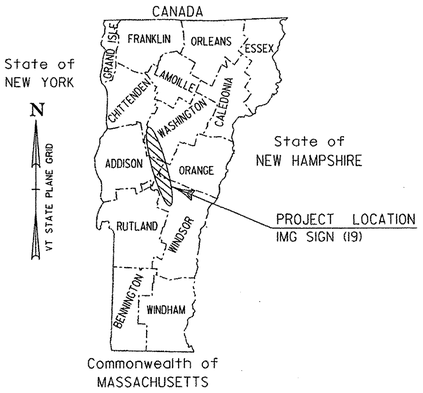
INDEX OF SHEETS
SEE SHEET 2

# STATE OF VERMONT
# AGENCY OF TRANSPORTATION




# PROPOSED IMPROVEMENT
# TOWNS OF ROYALTON, BETHEL, RANDOLPH, BROOKFIELD, WILLIAMSTOWN, BERLIN, MONTPELIER & MIDDLESEX
# COUNTIES OF WINDSOR, ORANGE & WASHINGTON

## VERMONT INTERSTATE ROUTE 89

BEGINNING AT THE ROYALTON EXIT 3 INTERCHANGE ON INTERSTATE 89 AT MILE MARKER 22.000 AND EXTENDING NORTHERLY FOR BOTH THE NORTHBOUND AND SOUTHBOUND LANES A DISTANCE OF 38.880 MILES AND ENDING AT THE MIDDLESEX-WATERBURY TOWN LINE AT MILE MARKER 60.880.

LENGTH OF ROADWAY = 38.880 MILES
LENGTH OF PROJECT = 38.880 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REMOVAL OF EXISTING SIGNS AND POSTS AND THE INSTALLATION OF NEW SIGNS AND SIGN POSTS AND ASSOCIATED ELEMENTS ALONG THE PROJECT LENGTH, RAMPS, INTERCHANGES AND INCIDENTAL ITEMS.

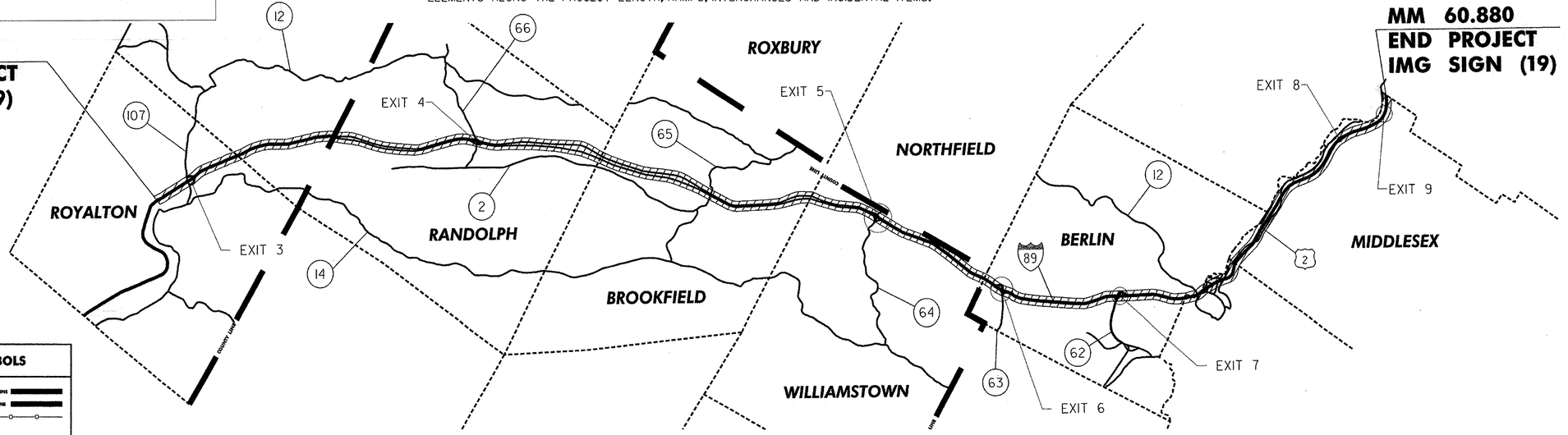
RECORD PLANS

CONTRACTOR: CCS CONSTRUCTORS LLC– MORRISVILLE, VT
RESIDENT ENGINEER: AL JONES
CONSTRUCTION BEGAN: APRIL 6, 2010
CONSTRUCTION COMPLETE: MAY 23, 2011
RECORD PLANS BY: AL JONES & JENNA HYDE

I HEREBY CERTIFY THAT ALL THE CONSTUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY Al Jones RESIDENT ENGINEER
DATE 3/29/13

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.




## CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS (SR SR SR)
TOP OF CUT
TOE OF SLOPE

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

CONSULTING ENGINEERS Inc.
540 Commercial Street Manchester, NH 03101
(603) 668-8223 • Fax: (603) 668-8802
email: cid@cidengineers.com • www.cidengineers.com
Maine • New Hampshire • Vermont

STATE OF VERMONT CHRISTOPHER R. BEAM No. 5529 REGISTERED PROFESSIONAL ENGINEER

SCALE IN MILES 2 0 2

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Penny Stevens DATE 8-19-09

PROJECT MANAGER : AMY GAMBLE

PROJECT NAME : ROYALTON - MIDDLESEX
PROJECT NUMBER : IMG SIGN (19)

SHEET 1 OF 163 SHEETS

MODEL: Cover z09a020cov.dgn

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# INDEX OF SHEETS

## INDEX OF STANDARD PLANS

| STD | DATE | DESCRIPTION |
|---|---|---|
| E-100 | 1/2/2004 | CONSTRUCTION APPROACH SIGNS |
| E-100A | 1/2/2004 | SIDE ROAD CONSTRUCTION APPROACH SIGNS |
| E-101 | 5/30/2003 | CONSTRUCTION SIGN DETAILS |
| E-102 | 6/30/2003 | CONSTRUCTION SIGN DETAILS |
| E-102A | 5/1/2004 | CONSTRUCTION SIGN DETAILS |
| E-103 | 3/1/2004 | MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED |
| E-106 | 3/1/2004 | TRAFFIC CONTROL MISCELLANEOUS DETAILS |
| E-107 | 6/30/2003 | DELINEATION, BARRICADES AND DETOURS FOR U-TURNS ON DIVIDED HIGHWAY |
| E-107A | 6/8/2009 | BREAKAWAY BARRICADE DETAILS |
| E-110 | 8/8/1995 | MAJOR MAINTENANCE OPERATION LANE CLOSURE |
| E-120 | 8/8/1995 | STANDARD SIGN PLACEMENT - EXPRESSWAY AND FREEWAY |
| E-121 | 8/8/1995 | STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD |
| E-123 | 3/16/2004 | GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS |
| E-126 | 2/1/2000 | TYPICAL FREEWAY INTERCHANGE SIGNING |
| E-127 | 8/8/1995 | ROUTE MARKINGS AT RURAL INTERSECTIONS |
| E-130 | 8/8/1995 | TYPE "B" GUIDE SIGN ATTACHMENT DETAILS |
| E-131 | 8/8/1995 | GUIDE SIGN DETAILS |
| E-132 | 8/18/1995 | GENERAL MOTORIST SERVICE SIGN DETAILS |
| E-133 | 8/8/1995 | SERVICE SIGN DETAILS |
| E-135 | 8/18/1995 | INTERSTATE ROUTE MARKER SIGN DETAIL |
| E-136A | 8/8/1995 | U.S. ROUTE MARKER SIGN DETAILS |
| E-136B | 8/8/1995 | STATE ROUTE MARKER SIGN DETAILS |
| E-139 | 5/1/2004 | MILEMARKER DETAILS - INTERSTATE |
| E-141 | 9/20/1995 | REGULATORY SIGN DETAILS |
| E-142 | 9/20/1995 | REGULATORY SIGN DETAILS |
| E-143 | 6/15/2004 | REGULATORY SIGN DETAILS |
| E-144 | 3/29/1999 | REGULATORY SIGN DETAILS |
| E-145A | 12/23/1994 | REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS (TWO AND FOUR LANE APPROACHES) |
| E-145B | 12/23/1994 | REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS (THREE LANE APPROACHES) |
| E-146 | 9/20/1995 | REGULATORY SIGN DETAILS |
| E-150 | 5/1/2004 | WARNING SIGN DETAILS |
| E-151 | 5/1/2004 | WARNING SIGN DETAILS |
| E-152 | 5/1/2004 | WARNING SIGN DETAILS |
| E-153 | 5/1/2004 | WARNING SIGN DETAILS |
| E-154 | 5/1/2004 | WARNING SIGN DETAILS |
| E-155 | 5/1/2004 | WARNING SIGN DETAILS |
| E-161 | 8/18/1995 | W-SHAPED STEEL SIGN POST |
| E-162 | 5/20/1999 | TUBULAR ALUMINUM SIGN POST |
| E-163 | 5/20/1999 | TUBULAR STEEL SIGN POST |
| E-164 | 6/8/2009 | SQUARE STEEL SIGN POST |
| E-197 | 4/1/2005 | DELINEATOR PLACEMENT TYPICAL |
| E-199 | 4/1/2005 | FREEWAY-EXPRESSWAY DELINEATOR AND MILEPOST MOUNTING ON BRIDGE RAIL |
| G-1 | 1/3/2000 | STEEL BEAM GUARDRAIL WITH STEEL POSTS, STEEL BEAM GUARDRAIL WITH WOOD POSTS |
| G-1d | 1/3/2000 | STEEL BEAM GUARDRAIL APPROACH AND TRAILING END TERMINAL, ANCHOR FOR STEEL BEAM RAIL, STEEL BEAM MEDIAN BARRIER |
| G-19 | 11/15/2002 | GENERIC PLANS FOR GUARDRAIL END TERMINALS |

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| 1 | TITLE SHEET |
| 2 | INDEX OF SHEETS |
| 3 | GENERAL NOTES AND MISCELLANEOUS DETAILS |
| 4 | DELINEATOR AND MILEPOST DETAILS |
| 5 | QUANTITY SHEET |
| 6 | INTENTIONALLY LEFT BLANK |
| 7-14 | EXISTING SIGNS - MAINLINE |
| 15-24 | EXISTING SIGNS - INTERCHANGE/REST AREA |
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| 43-52 | DELINEATOR LAYOUTS |
| 53-130 | TRAFFIC SIGN SUMMARY SHEETS |
| 131 | INTENTIONALLY LEFT BLANK |
| 132-146 | SIGN DETAIL SHEETS |
| 147-153 | CROSS SECTIONS |
| 154 | OVERHEAD SIGN SUPPORT NOTES |
| 155-157 | OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEETS |
| 158-163 | TRAFFIC CONTROL DETAILS |


PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020index.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
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MODEL: Index

## GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION (VTRANS) STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2006, AND ITS LATEST REVISIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2003, AND ITS LATEST REVISIONS AND THE STANDARD HIGHWAY SIGNS BOOK, DATED 2004, AND ITS LATEST REVISIONS.

2. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER. ALL NEW SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS, MUTCD, APPLICABLE VTRANS E-SERIES STANDARDS OR AS DIRECTED BY THE ENGINEER.

3. REFER TO SIGN DETAIL SHEETS FOR GUIDE SIGN CLEARVIEW FONT AND RETROREFLECTIVE SHEETING REQUIREMENTS.

4. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THESE PLANS, APPLICABLE VTRANS E-SERIES STANDARDS AND PART 6 OF THE MUTCD OR AS DIRECTED BY THE ENGINEER.

5. TEXT LAYOUT DIMENSIONS AND DESIGN OF SYMBOLS FOR STANDARD SIGNS NOT DETAILED ON THESE PLANS OR IN THE E-SERIES STANDARDS CAN BE FOUND IN THE LATEST PUBLICATION OF THE MUTCD STANDARD HIGHWAY SIGNS.

6. THE CONTRACTOR SHALL REVIEW AND UNDERSTAND ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION AND ENSURE THAT ALL CONSTRUCTION CONDITIONS ARE MET.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT THE SOLE COST OF THE CONTRACTOR.

8. THINNING AND TRIMMING MAY BE REQUIRED AT VARIOUS SIGN LOCATIONS THROUGHOUT THE PROJECT. THIS WORK SHALL INCLUDE REMOVAL OF ANY TREES, SHRUBS OR OVERGROWTH NECESSARY FOR PLACEMENT OF SIGNS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID UNDER ITEM 201.31, "THINNING AND TRIMMING FOR SIGNS".

9. ALL NEW 2-INCH SQUARE STEEL SIGN POST SHALL BE 12-GUAGE.

10. THE CONTRACTOR SHALL ERECT NEW POSTS AND MOUNT NEW SIGNS BEHIND EXISTING SIGNS PRIOR TO REMOVING THE OLD SIGN AND POSTS, WHERE APPLICABLE, OR AS DIRECTED BY THE ENGINEER.

11. THE ABBREVIATIONS "OUT" AND "MED" REFER TO LOCATIONS OUTSIDE OF THE NORTHBOUND OR SOUTHBOUND INTERSTATE BARREL OR IN THE MEDIAN, RESPECTIVELY. ANY REFERENCE TO "LEFT" AND/OR "RIGHT" REFERS TO THE DIRECTION OF STATIONING AND NOT THE DIRECTION OF TRAFFIC.

12. DELINEATORS: NEW MAINLINE DELINEATORS WITH OR WITHOUT MILEPOST PLAQUES ARE NOT SHOWN ON THE PLANS. REFER TO STANDARD E-197 AND DETAILS ON NEXT SHEET FOR GENERAL PLACEMENT AND SPACING CRITERIA. AN ESTIMATED QUANTITY OF DELINEATORS W/STEEL POSTS AND REMOVAL OF EXISTING DELINEATORS HAS BEEN INCLUDED. POSTS FOR DELINEATORS TO BE REMOVED SHALL NOT BE CUT BUT SHALL BE COMPLETELY REMOVED FROM THE GROUND.

13. PROPOSED RAMP MILE MARKER PLAQUES ARE NOT DEPICTED ON THE PLANS. REFER TO THE SIGN DETAIL SHEETS FOR THE PLAQUE DETAIL AND A LIST OF PROPOSED LOCATIONS. EXISTING MILEMARKERS ON NON-INTERSTATE HIGHWAYS ARE TO BE SALVAGED AND INSTALLED ON POSTS FOR NEW SIGNS OR RETAINED IF ON SEPARATE POSTS OR AS DIRECTED BY THE ENGINEER. NOT ALL EXISTING MILEMARKER LOCATIONS ARE DEPICTED ON THE PLANS. PAYMENT FOR ATTACHING TO NEW POSTS WILL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE SIGN POST PAY ITEM IN THE CONTRACT.

14. ALL STATIONING ALONG RAMPS AND STATE/TOWN HIGHWAYS IN MILES ARE APPROXIMATE ONLY. REFER TO STANDARD SHEETS FOR APPROPRIATE SIGN PLACEMENT GUIDELINES.

15. PROPOSED BRIDGE PLAQUES ARE NOT DEPICTED ON THE PLANS. REFER TO THE SIGN DETAIL SHEETS FOR THE BRIDGE PLAQUE DETAIL AND A LIST OF PROPOSED LOCATIONS.

## SEEDING FORMULA - RURAL AREAS

| % WT. | LBS./A. | NAME | PUR % | GERM % |
|---|---|---|---|---|
| 37.5 | 22.5 | CREEPING RED FESCUE | 98 | 85 |
| 37.5 | 22.5 | TALL FESCUE | 95 | 90 |
| 5.0 | 3.0 | RED TOP | 95 | 90 |
| 15.0 | 9.0 | BIRDSFOOT TREFOIL | 98 | 85 |
| 5.0 | 3.0 | ANNUAL RYEGRASS | 95 | 85 |
| 100.0 | 60.0 | | | |

## SEEDING NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

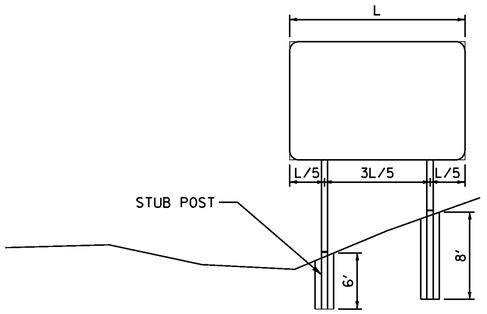
SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH: TO BE PLACED ON THE EARTH SLPOES AT THE RATE OF 2 TONS/ACRE, OR AS DIREDTED BY THE RESIDENT ENGINEER.

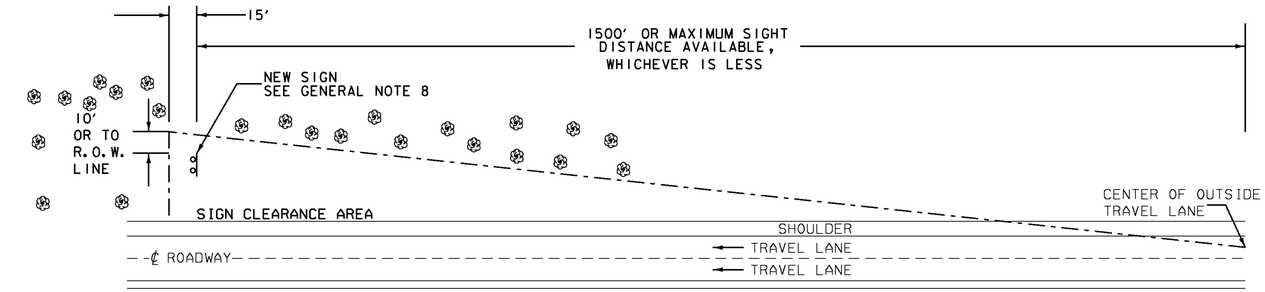
TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.




### W-SHAPE FOOTING DETAIL

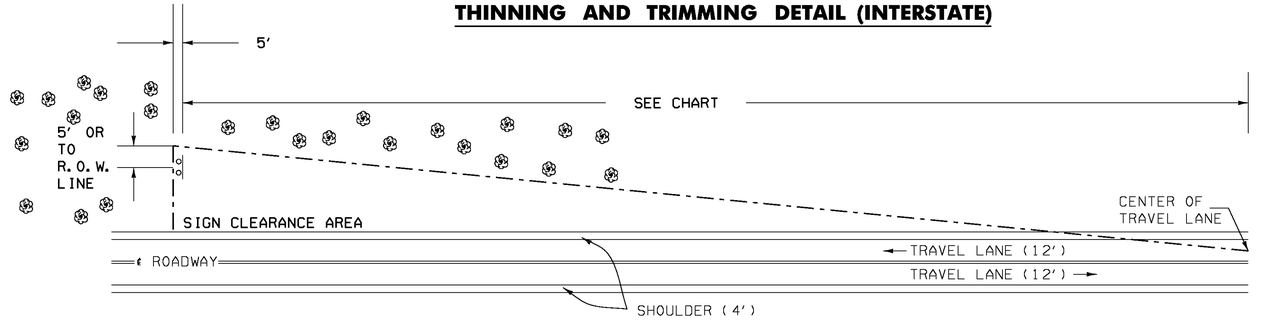
## NOTES

1. THE LONGER CONCRETE FOOTINGS SHALL BE USED AT POST LOCATIONS ON STEEP SIDE SLOPES AS IDENTIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. FORMS/TUBES FOR THE LONGER CONCRETE FOOTINGS SHALL BE SMOOTH. CORRUGATED PIPE SHALL NOT BE USED.
3. REFER TO VTRANS STANDARD E-161 FOR ADDITIONAL NOTES AND DETAILS REGARDING CONCRETE FOOTINGS.
4. PAYMENT FOR THE LONGER CONCRETE FOOTINGS SHALL BE PAID FOR UNDER ITEM 900.620 SPECIAL PROVISION (FOUNDATION FOR W-SHAPE STEEL POST, 24 INCH DIAMETER.)




THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS, TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL OR AT LEAST 10'-0" BELOW THE BOTTOM OF THE SIGN, WHICH EVER IS LESS. PAYMENT WILL BE FOR ITEM 201.31 THINNING AND TRIMMING FOR SIGNS AND PAID FOR PER EACH SIGN ASSEMBLY LOCATION.

### THINNING AND TRIMMING DETAIL (INTERSTATE)




MINIMUM SIGN SIGHT DISTANCE CHART

| APPROACH SPEED (mph) | SIGHT DISTANCE (feet) |
|---|---|
| 30 OR LESS | 300 |
| 35 | 350 |
| 40 | 400 |
| 45 | 450 |
| 50 | 500 |
| 55 | 550 |

### THINNING AND TRIMMING DETAIL

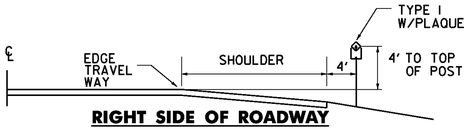
### (CONVENTIONAL ROADS)

**GENERAL NOTES & MISCELLANEOUS DETAILS**

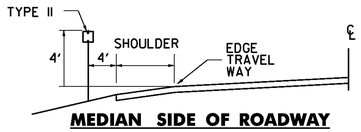
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020miscdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 3 OF 163

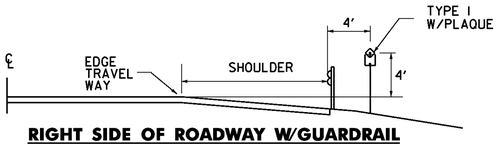
MODEL: GeneralNotes




**RIGHT SIDE OF ROADWAY**




**MEDIAN SIDE OF ROADWAY**




**RIGHT SIDE OF ROADWAY W/GUARDRAIL**

## TYPICAL PLACEMENT OF DELINEATORS AND MILEPOSTS ON DIVIDED HIGHWAY

TYPE I DELINEATORS WITH WHITE REFLECTOR UNITS AND APPROPRIATE MILEPOST PLAQUES SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE IN THE DIRECTION OF TRAVEL OF THE DIVIDED HIGHWAY BETWEEN MILE MARKERS AT 0.05 MILE INTERVALS.

TYPE I DELINEATORS WITH OR WITHOUT MILEPOST PLAQUES SHALL BE OMITTED ALONG DECELERATION AND ACCELERATION LANES, BUT THE SUCCEEDING SPACING SHALL BE AS IF THE DELINEATORS HAD BEEN ERECTED CONTINUOUSLY.

THE LOCATION OF TYPE I DELINEATORS AND MILEPOSTS ARE TO BE COMPUTED AND MARKED IN THE FIELD BY THE ENGINEER IN ACCORDANCE WITH THE LATEST REVISION OF THE AGENCY'S ''POLICY ON LOCATION MARKING FOR VERMONT DIVIDED HIGHWAYS.''

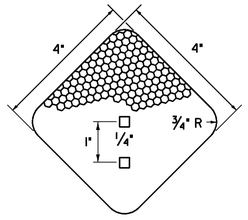
YELLOW TYPE II DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE LEFT (MEDIAN) SIDE OF THE DIVIDED HIGHWAY AT 0.10 MILE INTERVALS AND CONTINUED AT APPROXIMATELY THE SAME SPACING THROUGH INTERCHANGES AND REST AREAS WHERE THERE MAY NOT BE ANY TYPE I DELINEATORS ON THE RIGHT SIDE. PLACEMENT OF TYPE II DELINEATORS SHALL BE FOLLOWED ON THE LEFT AS ON THE RIGHT.

TYPE I DELINEATORS WITHOUT PLAQUE SHALL BE ERECTED AT THE BEGINNING (BLUE) AND AT THE END (GREEN) OF EACH GUARDRAIL RUN.

## TYPE III DELINEATORS

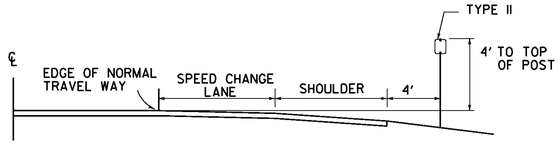
TYPE III DELINEATORS WILL BE TYPE I DELINEATORS WITH AN ADDITIONAL RED REFLECTIVE UNIT MOUNTED ON THE REVERSE SIDE. THEY SHALL BE ERECTED ON THE RIGHT AND LEFT SIDE OF THE RAMPS AS SHOWN ON THE PLANS.

TYPE III DELINEATORS SHALL BEGIN 50'-0" FROM THE WRONG WAY SIGNS AND EXTEND EVERY 50'-0" TO A POINT NOT LESS THAN 25'-0" FROM THE INTERSECTING ROAD. SEE STANDARD E-197.




**DELINEATOR REFLECTIVE SHEETING UNIT**

MATERIAL FOR DELINEATORS:
- 1/16" ALUMINUM BACKING.
- WHITE/BLUE/GREEN: ASTM TYPE III RETROREFLECTIVE SHEETING.
- RED/YELLOW: ASTM TYPE VII, VIII, OR IX RETROREFLECTIVE SHEETING.

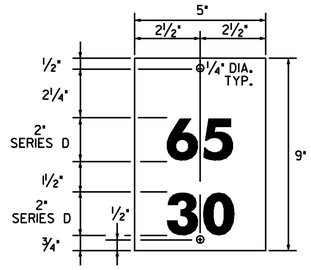



## TYPICAL PLACEMENT OF TYPE II DELINEATORS ON SPEED CHANGE LANES

TYPE II DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE OF THE DECELERATION AND ACCELERATION LANES AT 100' INTERVALS INCLUDING GUARDRAIL SECTIONS. THE DELINEATORS SHALL START AT THE BEGINNING OF THE TAPER AND END AT THE NOSE OF THE EXIT OR ENTRANCE GORE. THEY SHALL HAVE WHITE REFLECTOR UNITS.

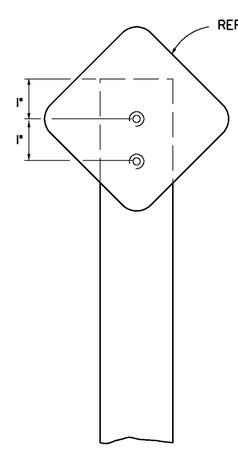
## NOTES

1. REFER TO STANDARD E-197 FOR DELINEATOR PLACEMENT DETAILS. WHERE DISCREPANCIES EXIST BETWEEN E-197 AND THIS SHEET, THE DETAILS ON THIS SHEET SHALL GOVERN.
2. FOR MOUNTING DELINEATORS AND MILEPOSTS ON BRIDGES, SEE STANDARD E-199
3. DELINEATOR POSTS SHALL BE 1.75" I.88 LB/FT SQUARE STEEL, AND A MINIMUM OF 8 FEET LONG.
4. DELINEATOR POSTS SHALL HAVE A MINIMUM EMBEDMENT OF 2'-6" IN THE GROUND.
5. WHEN USING DELINEATORS AND MILEPOSTS ON STEEP SLOPES (1 ON 2 OR STEEPER) OR ERODED SOILS ADD ONE FOOT FOR GREATER STABILITY.



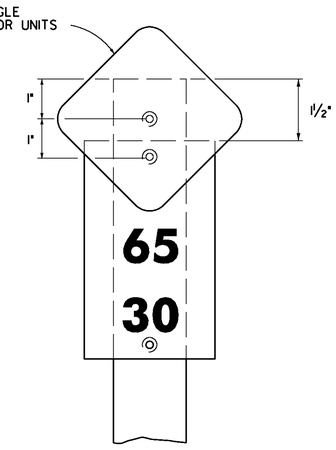

**MILEPOST PLAQUE**

MATERIAL FOR RETROREFLECTIVE SHEETING FOR DELINEATORS SHALL BE A 0.063" ALUMINUM BACKING WITH ASTM TYPE III RETROREFLECTIVE SHEETING GREEN LEGEND ON A WHITE BACKGROUND.



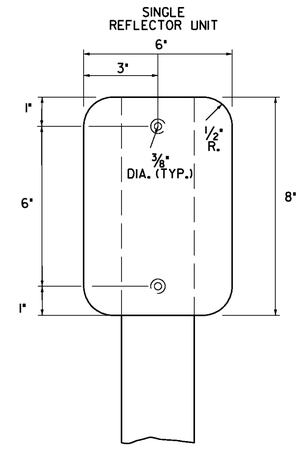

**TYPE I WITHOUT PLAQUE**

TO BE USED ALONG RAMPS




**TYPE I WITH PLAQUE**

TO BE USED ALONG MAINLINE




**TYPE II**

TO BE USED ALONG MAINLINE

**DELINEATORS WITH RETROREFLECTIVE SHEETING**

# DELINEATOR AND MILEPOST DETAILS

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020miscdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 4 OF 163

MODEL: Delin and Mile Details

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# QUANTITY SHEET 1

| SUMMARY OF ESTIMATED QUANTITIES | | TOTALS | | DESCRIPTIONS | | | | DETAILED SUMMARY OF QUANTITIES | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ROADWAY | EROSION CONTROL | GRAND TOTAL | FINAL | UNIT | ITEMS | ITEM NUMBER | ROUND | QUANTITIES | UNIT | ITEMS |
| 41 | | 41 | | EACH | THINNING AND TRIMMING FOR SIGNS | 201.31 | EST. | | | |
| 1 | | 1 | | CY | TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.) | 204.22 | EST. | | | |
| 875 | | 875 | | HR | UNIFORMED TRAFFIC OFFICERS | 630.10 | 8 | | | |
| 175 | | 175 | | HR | FLAGGERS | 630.15 | 2 | | | |
| 1 | | 1 | | LS | TESTING EQUIPMENT, CONCRETE | 631.16 | - | | | |
| 1 | | 1 | | LS | MOBILIZATION/DEMOBILIZATION | 635.11 | - | | | |
| 1 | | 1 | | LS | TRAFFIC CONTROL | 641.10 | - | | | |
| 4 | | 4 | | EACH | PORTABLE CHANGEABLE MESSAGE SIGN | 641.15 | - | | | |
| 2 | | 2 | | EACH | PORTABLE ARROW BOARD | 641.16 | - | | | |
| | 8 | 8 | | LB | SEED | 651.15 | - | | | |
| | 80 | 80 | | LB | FERTILIZER | 651.18 | - | | | |
| | 1 | 1 | | TON | AGRICULTURAL LIMESTONE | 651.20 | 0.7 | | | |
| | 1 | 1 | | TON | HAY MULCH | 651.25 | 0.7 | | | |
| | 80 | 80 | | CY | TOPSOIL | 651.35 | 4 | | | |
| 8100 | | 8100 | | SF | TRAFFIC SIGNS, TYPE A | 675.20 | 0.66 | | | |
| 12444 | | 12444 | | SF | TRAFFIC SIGNS, TYPE B | 675.21 | 0.75 | | | |
| 52305 | | 52305 | | LB | W-SHAPE STEEL SIGN POST | 675.31 | - | | | |
| 4556 | | 4556 | | LB | TUBULAR ALUMINUM SIGN POST | 675.32 | 0.2 | | | |
| 36147 | | 36147 | | LB | TUBULAR STEEL SIGN POST | 675.33 | 0.8 | | | |
| 9810 | | 9810 | | LF | SQUARE TUBE SIGN POST AND ANCHOR | 675.341 | 0.2 | | | |
| 114 | | 114 | | EACH | FOUNDATION FOR W-SHAPE STEEL POST, 24 INCH DIAMETER | 675.41 | - | | | |
| 316 | | 316 | | EACH | FOUNDATION FOR TUBULAR STEEL POST | 675.43 | - | | | |
| 1286 | | 1286 | | EACH | REMOVING SIGNS (TYPE A) | 675.50 | - | | | |
| 127 | | 127 | | EACH | REMOVING SIGNS (TYPE B) | 675.50 | - | | | |
| 36 | | 36 | | EACH | ERECTING SALVAGED SIGNS | 675.60 | - | | | |
| 3375 | | 3375 | | EACH | DELINEATOR WITH STEEL POST | 676.10 | EST. | | | |
| 2975 | | 2975 | | EACH | REMOVAL OF EXISTING DELINEATOR | 676.12 | EST. | | | |
| 3 | | 3 | | EACH | OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT | 677.13 | - | | | |
| 10 | | 10 | | EACH | SPECIAL PROVISION (FOUNDATION FOR W-SHAPE STEEL POST, 24 INCH DIAMETER) | 900.620 | - | | | |

**QUANTITY SHEET**

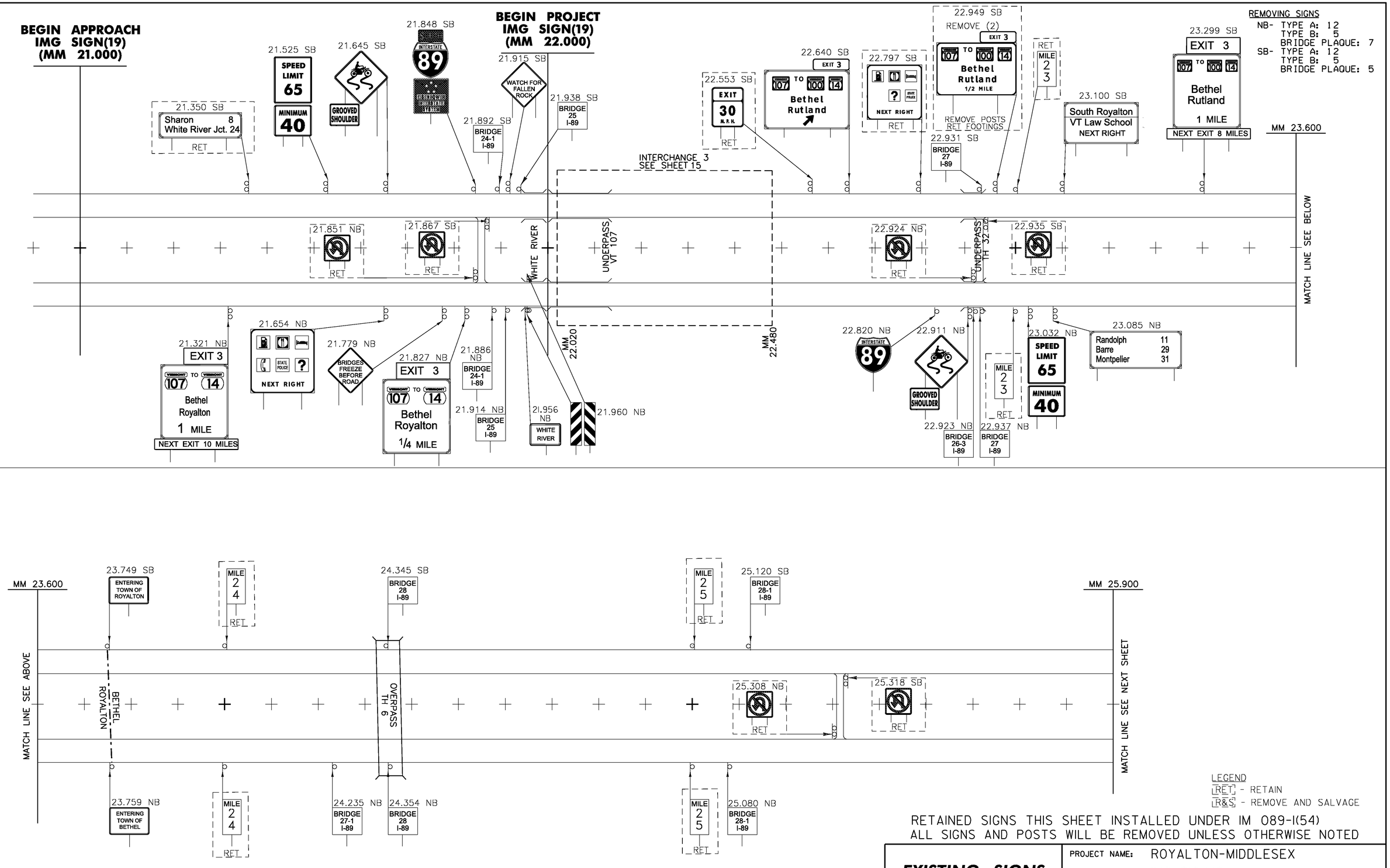
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020quantity sheet.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106

PLOT DATE: 8/26/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 5 OF 163

MODEL: Default

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LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

RETAINED SIGNS THIS SHEET INSTALLED UNDER IM 089-1(54)
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

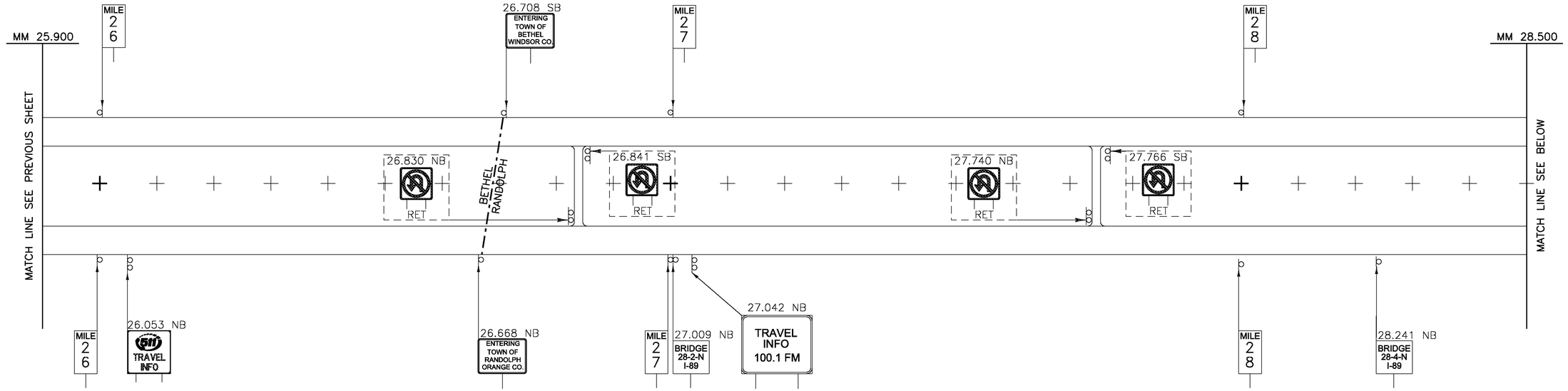
**EXISTING SIGNS MAINLINE (1) 22.000 – 25.900**

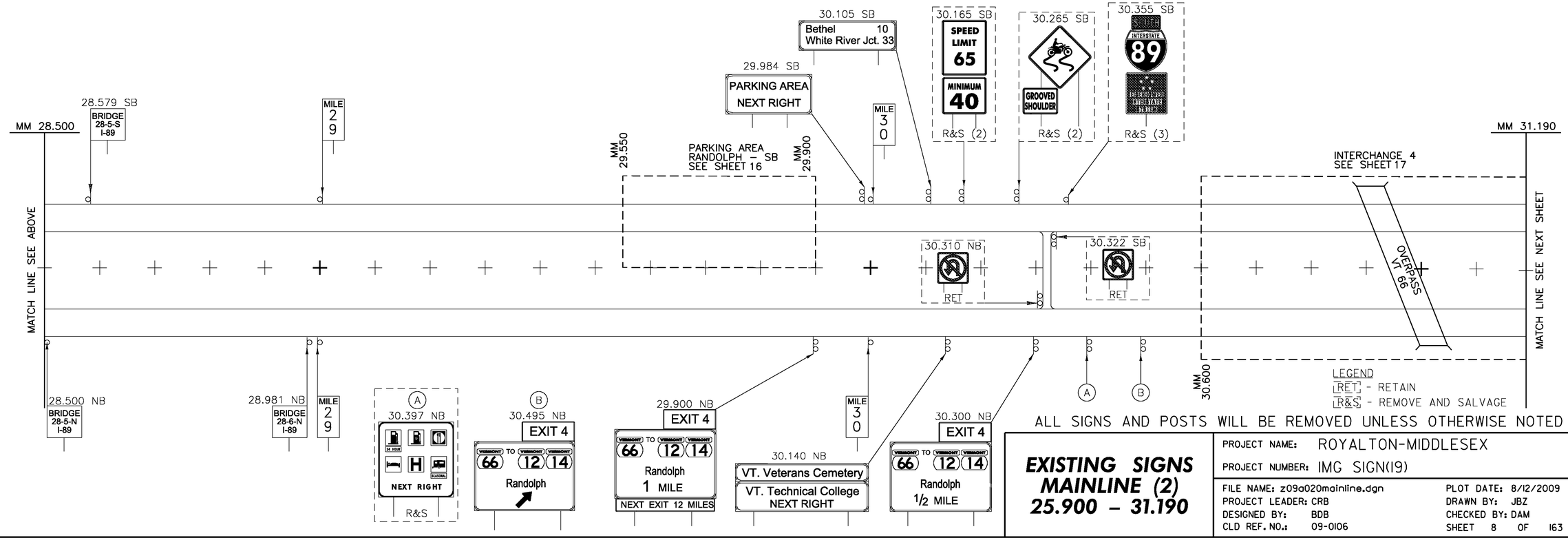
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 7 OF 163

MODEL: 01-Exist

REMOVING SIGNS
NB- TYPE A: 9
TYPE B: 8
BRIDGE PLAQUE: 4
SB- TYPE A: 13
TYPE B: 2
BRIDGE PLAQUE: 1




ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

# EXISTING SIGNS MAINLINE (2) 25.900 – 31.190

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 8 OF 163

MODEL: 02-Exist

REMOVING SIGNS
NB- TYPE A: 11
TYPE B: 2
BRIDGE PLAQUE: 4
SB- TYPE A: 7
TYPE B: 6
BRIDGE PLAQUE: 3

MM 31.190
MATCH LINE SEE PREVIOUS SHEET
31.320 SB — NEXT RIGHT — R&S
31.442 SB — BRIDGE 29-2 I-89
31.450 SB — EXIT 4 — VERMONT TO VERMONT 66 TO 12 — Randolph 1/2 MILE
31.549 SB — BRIDGE 29-3 I-89
31.643 SB — VT. Veterans Cemetery — VT. Technical College NEXT RIGHT
31.950 SB — EXIT 4 — VERMONT TO VERMONT 66 TO 12 — Randolph 1 MILE — NEXT EXIT 10 MILES
31.198 SB — EXIT 4 — VERMONT TO VERMONT 66 TO 12 — Randolph
MILE 3 2
31.495 NB — RET
31.512 SB — RET
32.891 NB — RET
32.901 SB — RET
MILE 3 3
33.203 SB — BRIDGE 30-S I-89
OVERPASS TH-26
REST AREA RANDOLPH-SB SEE SHEET 18
MM 33.450
MM 33.750
MM 33.800
MATCH LINE SEE BELOW
31.441 NB — BRIDGE 29-2 I-89
31.562 NB — BRIDGE 29-3 I-89
31.500 NB — NORTH INTERSTATE 89 — BEGIN ROUTE 89 MILE MARKERS
31.567 NB — GROOVED SHOULDER
31.671 NB — SPEED LIMIT 65 — MINIMUM 40
31.746 NB — Northfield 15 — Barre 22
31.869 NB — MOOSE CROSSING — NEXT 10 MILES — RET
MILE 3 2
MILE 3 3
33.165 NB — BRIDGE 30-N I-89
33.546 NB — WEIGH STATION 3/4 MILE — CLOSED
33.780 NB — ALL TRUCKS NEXT RIGHT — RET

33.906 SB — REST AREA NEXT RIGHT — WEIGH STATION NEXT RIGHT — WiFi — RET
MILE 3 4
34.190 SB — ALL TRUCKS NEXT RIGHT — RET
34.436 SB — WEIGH STATION 3/4 MILE — CLOSED — RET
34.620 SB — ENTERING TOWN OF RANDOLPH ORANGE CO. — RET
34.825 SB — REST AREA 1 MILE — OPEN 7AM-11PM — RET
MILE 3 5
35.500 SB — MOOSE CROSSING — NEXT 5 MILES — RET
MM 33.800
MATCH LINE SEE ABOVE
MM 35.900
MATCH LINE SEE NEXT SHEET
RANDOLPH
BROOKFIELD
35.033 SB — RET
35.100 NB — RET
35.119 SB — RET
35.769 NB — BRIDGE 30-2-N I-89
MM 34.250
REST AREA RANDOLPH-NB SEE SHEET 19
MM 34.600
34.048 NB — WEIGH STATION NEXT RIGHT — RET
34.595 NB — ENTERING TOWN OF BROOKFIELD ORANGE CO.
MILE 3 5
35.014 NB — RET

LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

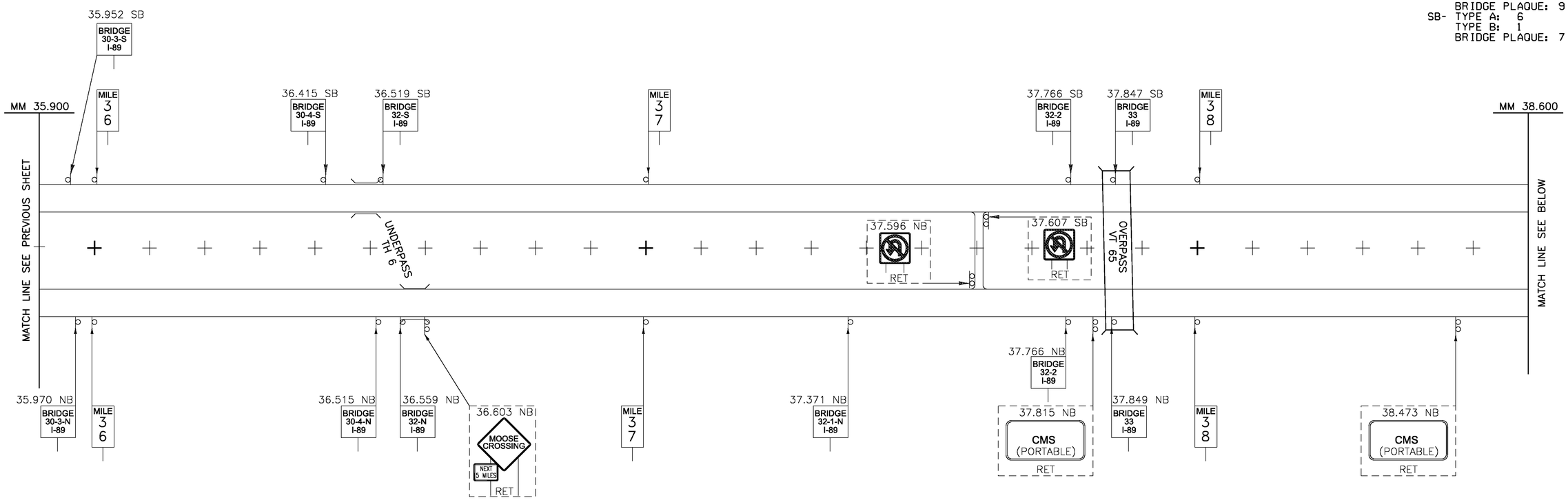
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

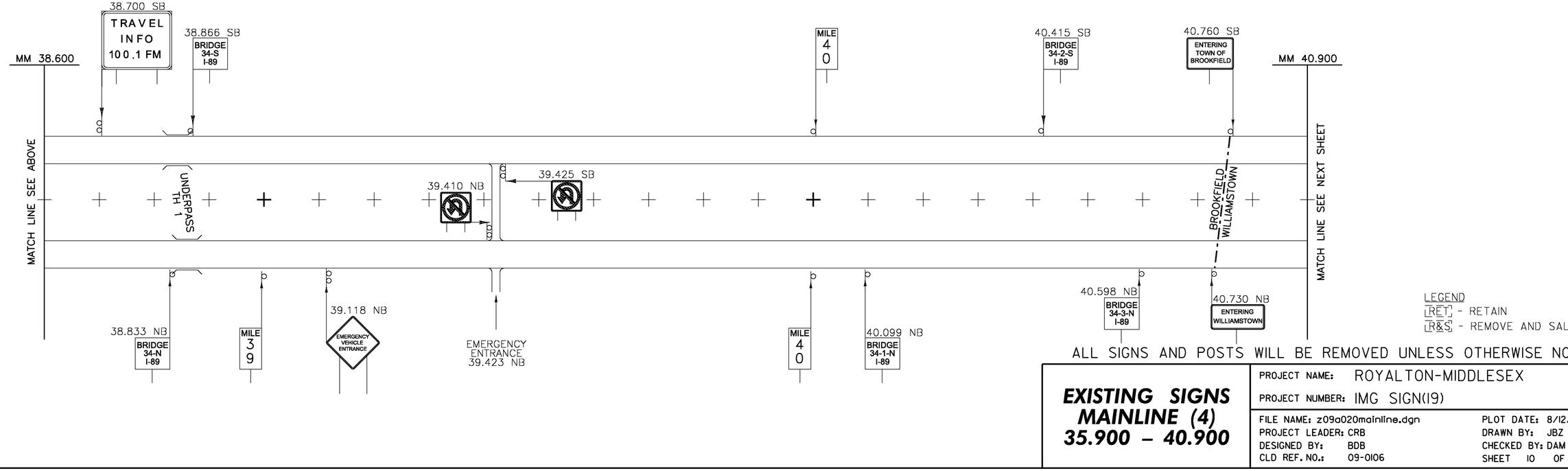
# EXISTING SIGNS MAINLINE (3) 31.190 – 35.900

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)
FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 9 OF 163

MODEL: 03-Exist

REMOVING SIGNS
NB- TYPE A: 8
TYPE B: 0
BRIDGE PLAQUE: 9
SB- TYPE A: 6
TYPE B: 1
BRIDGE PLAQUE: 7




LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

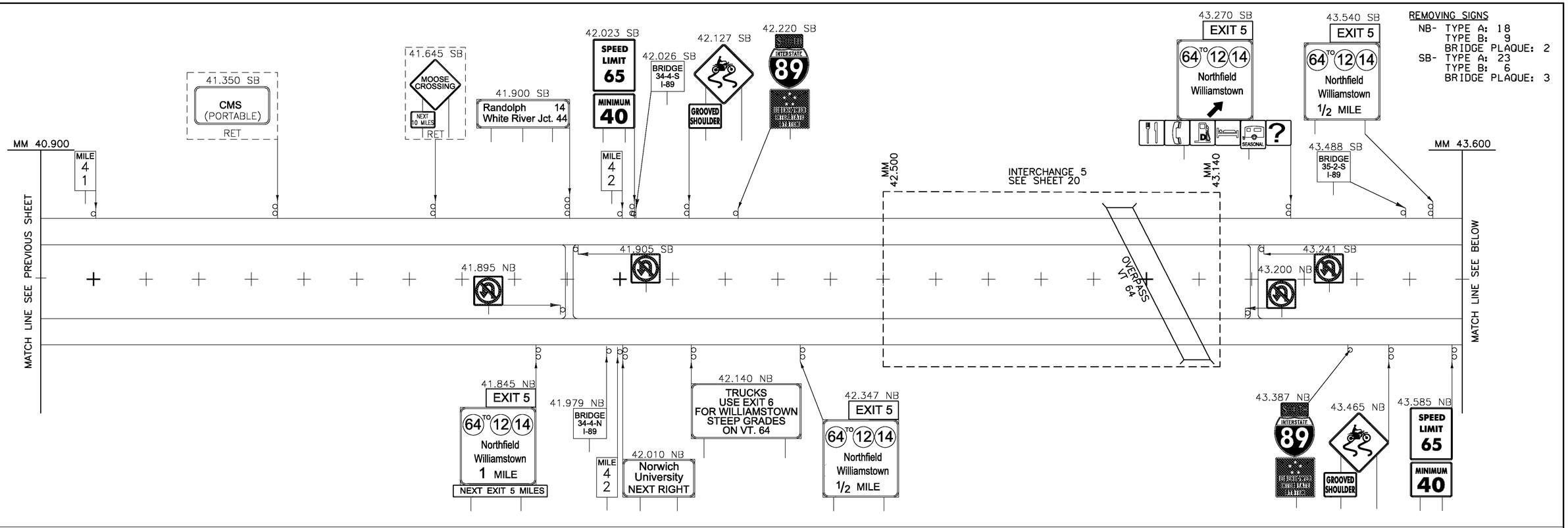
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

**EXISTING SIGNS MAINLINE (4) 35.900 – 40.900**

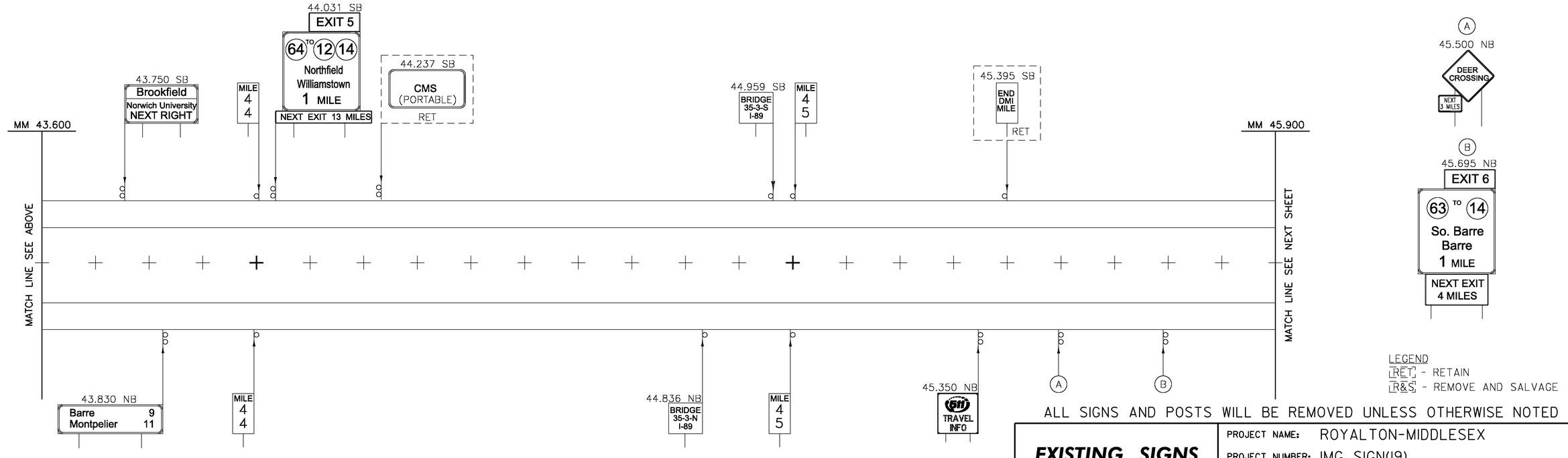
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 10 OF 163

MODEL: 04-Exist




REMOVING SIGNS
NB- TYPE A: 18
TYPE B: 9
BRIDGE PLAQUE: 2
SB- TYPE A: 23
TYPE B: 6
BRIDGE PLAQUE: 3




LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

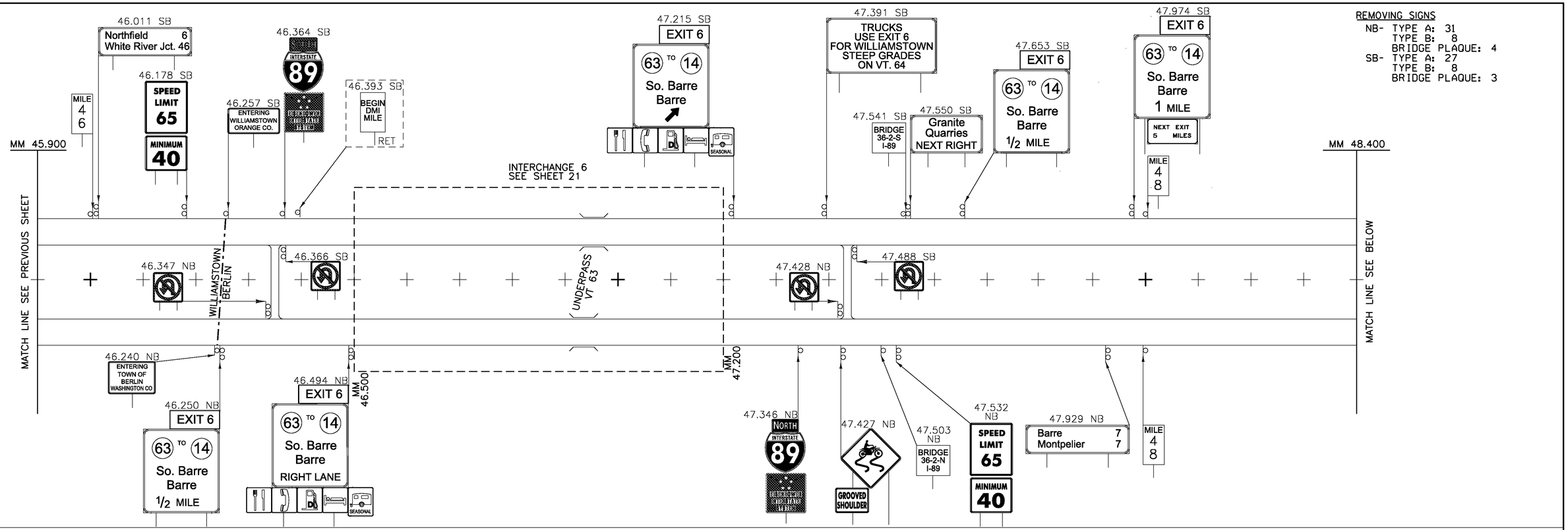
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

**EXISTING SIGNS MAINLINE (5) 40.900 – 45.900**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 11 OF 163

MODEL: 05-Exist


REMOVING SIGNS
NB- TYPE A: 31
TYPE B: 8
BRIDGE PLAQUE: 4
SB- TYPE A: 27
TYPE B: 8
BRIDGE PLAQUE: 3
MM 45.900
MATCH LINE SEE PREVIOUS SHEET
46.011 SB
Northfield 6
White River Jct. 46
46.178 SB
SPEED LIMIT 65
MINIMUM 40
MILE 4 6
46.257 SB
ENTERING WILLIAMSTOWN ORANGE CO.
46.364 SB
INTERSTATE 89
46.393 SB
BEGIN DMI MILE
RET
INTERCHANGE 6
SEE SHEET 21
47.215 SB
EXIT 6
63 TO 14
So. Barre
Barre
SEASONAL
47.391 SB
TRUCKS USE EXIT 6 FOR WILLIAMSTOWN STEEP GRADES ON VT. 64
47.541 SB
BRIDGE 36-2-S I-89
47.550 SB
Granite Quarries NEXT RIGHT
47.653 SB
EXIT 6
63 TO 14
So. Barre
Barre
1/2 MILE
47.974 SB
EXIT 6
63 TO 14
So. Barre
Barre
1 MILE
NEXT EXIT 5 MILES
MILE 4 8
MM 48.400
MATCH LINE SEE BELOW
46.347 NB
WILLIAMSTOWN
BERLIN
46.366 SB
UNDERPASS VT 63
47.428 NB
47.488 SB
46.240 NB
ENTERING TOWN OF BERLIN WASHINGTON CO
46.250 NB
EXIT 6
63 TO 14
So. Barre
Barre
1/2 MILE
46.494 NB
EXIT 6
63 TO 14
So. Barre
Barre
RIGHT LANE
SEASONAL
MM 46.500
MM 47.200
47.346 NB
NORTH INTERSTATE 89
47.427 NB
GROOVED SHOULDER
47.503 NB
BRIDGE 36-2-N I-89
47.532 NB
SPEED LIMIT 65
MINIMUM 40
47.929 NB
Barre 7
Montpelier 7
MILE 4 8
MM 48.400
MATCH LINE SEE ABOVE
48.969 SB
DEER CROSSING
NEXT 3 MILES
MILE 4 9
49.316 SB
So. Barre 6
White River Jct. 49
49.814 SB
BRIDGE 36-4 I-89
49.805 SB
BRIDGE 36-3 I-89
49.864 SB
SPEED LIMIT 65
MINIMUM 40
49.966 SB
GROOVED SHOULDER
INTERCHANGE 7
SEE SHEET 22
MM 50.680
MATCH LINE SEE NEXT SHEET
49.820 SB
49.810 NB
UNDERPASS TH 40
UNDERPASS VT 62
48.951 NB
EXIT 7
62 TO 302
Berlin
Barre
1 MILE
NEXT EXIT 4 MILES
49.198 NB
Goddard College NEXT RIGHT
MILE 4 9
49.406 NB
EXIT 7
62 TO 302
Berlin
Barre
1/2 MILE
49.810 NB
BRIDGE 36-3 I-89
49.825 NB
BRIDGE 36-4 I-89
49.916 NB
EXIT 7
62 TO 302
Berlin
Barre
24 HOURS
H?
MM 50.020
49.970 NB
BRIDGE NO-37N I-89
LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED
EXISTING SIGNS MAINLINE (6) 45.900 – 50.680
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)
FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 12 OF 163
MODEL: 06-Exist

REMOVING SIGNS
NB- TYPE A: 54
TYPE B: 9
BRIDGE PLAQUE: 5
SB- TYPE A: 55
TYPE B: 13
BRIDGE PLAQUE: 4

MM 50.680
MATCH LINE SEE PREVIOUS SHEET
50.778 SB BRIDGE 39 I-89
50.732 NB 50.741 SB 50.848 NB
50.849 SB EMERGENCY STOPPING ONLY
50.930 SB EXIT 7 62 TO 302 Berlin Barre
24 HOURS
MILE 5 1
51.255 SB Goddard College NEXT RIGHT
51.393 SB EXIT 7 62 TO 302 Berlin Barre 1 MILE NEXT EXIT 4 MILES
51.550 SB KEEP RIGHT EXCEPT TO PASS
51.770 SB Barre 6 White River Jct. 52
MILE 5 2
52.179 SB ENTERING TOWN OF BERLIN
52.214 SB Barre NEXT 2 EXITS
52.315 SB BRIDGE 39-1 I-89
52.589 SB SPEED LIMIT 65 MINIMUM 40
52.667 SB GROOVED SHOULDER
52.725 SB INTERSTATE 89
52.778 SB BRIDGES FREEZE BEFORE ROAD
INTERCHANGE 8 SEE SHEET 23
MM 53.250
MATCH LINE SEE BELOW
OVERPASS TH 18
50.856 SB
UNDERPASS MONTPELIER S.H.
BERLIN MONTPELIER
52.381 NB
52.389 SB
MONTPELIER BERLIN UNDERPASS VT 12
50.755 NB CMS (PORTABLE) RET
50.791 NB BRIDGE 39 I-89
50.898 NB SPEED LIMIT 65 MINIMUM 40
MILE 5 1
51.010 NB Montpelier 3 Burlington 38
51.540 NB Welcome to Montpelier Capital of Vermont / Bienvenue a' Montpelier Capitale du Vermont
51.740 NB EXIT 8 2 Montpelier 1 MILE NEXT EXIT 6 MILES
51.960 NB RET
MILE 5 2
52.092 NB GROOVED BRIDGE AHEAD
52.232 NB EXIT 8 2 Montpelier 1/2 MILE VISITOR CENTER
52.252 NB BRIDGE ICES BEFORE ROAD
52.319 NB BRIDGE 39-1 I-89
52.484 NB BRIDGE 40-N I-89
52.597 NB EXIT 8 2 Montpelier
52.755 NB
MM 52.780
52.270 – 52.555 NB (7)
52.683 NB EXIT 40 M.P.H.
50.760 NB NORTH INTERSTATE 89
50.824 NB 5% NEXT 2 MILES FLASHING BEACON RET
50.824 NB 5% NEXT 2 MILES RET

MM 53.250
MATCH LINE SEE ABOVE
53.315 SB EXIT 8 2 TO 12 Montpelier St. Johnsbury
24 HOURS
53.540 SB
53.830 SB BRIDGES FREEZE BEFORE ROAD
53.850 SB EXIT 8 2 TO 12 Montpelier St. Johnsbury 1/2 MILE VISITOR CENTER
MILE 5 4
54.049 SB
54.142 SB EXIT 8 2 TO 12 Montpelier St. Johnsbury 1 MILE NEXT EXIT 3 MILES
54.255 SB BRIDGE 42-2 I-89
54.304 SB Welcome to Montpelier Capital of Vermont / Bienvenue a' Montpelier Capitale du Vermont
54.435 SB CMS (PORTABLE) RET
54.807 SB
54.925 SB BRIDGES FREEZE BEFORE ROAD
54.949 SB BRIDGE 43-1 I-89
MILE 5 5
55.049 SB BUMP (ORANGE) RET
55.259 SB 511 TRAVEL INFO
53.320 NB
53.340 NB 53.540 SB 54.785 NB
53.620–53.863 SB (8)
MM 55.900
MATCH LINE SEE NEXT SHEET
UNDERPASS US 2
53.350 SB
MONTPELIER MIDDLESEX
54.807 SB
54.897 NB
54.906 SB
53.340 NB
53.300 NB NORTH INTERSTATE 89
53.545 NB SPEED LIMIT 65 MINIMUM 40
53.640 NB GROOVED SHOULDER
53.890 NB BUCKLE UP IT'S THE LAW
MILE 5 4
53.950 NB MOOSE CROSSING NEXT 4 MILES
54.102 NB ENTERING TOWN OF MIDDLESEX
54.052 NB Middlesex 5 Burlington 35
54.273 NB BRIDGE 42-2 I-89
54.468 NB KEEP RIGHT EXCEPT TO PASS
54.690 NB BRIDGES FREEZE BEFORE ROAD
54.785 NB
54.937 NB BRIDGE 43-1 I-89
54.967 NB NEXT 1/2 MILE
MILE 5 5
54.967 NB
55.550 NB BEGIN DMI MILE RET

LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

MODEL: 07-Exist

**EXISTING SIGNS MAINLINE (7) 50.680 – 55.900**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)
FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 13 OF 163

REMOVING SIGNS
NB- TYPE A: 23
TYPE B: 7
BRIDGE PLAQUE: 9
SB- TYPE A: 26
TYPE B: 5
BRIDGE PLAQUE: 8

MM 55.900

MILE 56

56.129 SB BRIDGE 43-2 I-89

56.510 SB BRIDGE 44-1 I-89

MILE 57

57.653 SB BRIDGE 44-3 I-89

57.869 SB BRIDGE 44-4 I-89

57.900 SB MOOSE CROSSING NEXT 4 MILES

57.992 SB Montpelier 5 Barre 12

MILE 58

58.126 SB SPEED LIMIT 65 MINIMUM SPEED 40

58.241 SB GROOVED SHOULDER

MM 58.300

MATCH LINE SEE PREVIOUS SHEET

MATCH LINE SEE BELOW

56.040 NB

56.048 SB

OVERPASS US 2

57.738 NB

57.752 SB

MILE 56

56.144 NB BRIDGE 43-2 I-89

56.187 NB BRIDGE 44-N I-89

56.450 NB

56.509 NB BRIDGE 44-1 I-89

56.550 NB END DMI MILE RET

MILE 57

57.159 NB BRIDGE 44-2 I-89

57.310 NB EXIT 9 2 TO 100B Middlesex Moretown EXIT 1 MILE NEXT EXIT 6 MILES

57.560 NB Waitsfield Warren NEXT RIGHT

57.648 NB BRIDGE 44-3 I-89

57.956 NB EXIT 9 2 TO 100B Middlesex Moretown 1/2 MILE

MILE 58

58.110 NB CAR POOL INFO 1-800-685-RIDE

58.350 SB INTERSTATE 89

58.985 SB EXIT 9 2 TO 100B Middlesex Moretown STATE POLICE 24 HOURS

59.300 SB EXIT 9 2 TO 100B Middlesex Moretown 1/2 MILE

59.962 SB EXIT 9 2 TO 100B Middlesex Moretown 1 MILE NEXT EXIT 7 MILES

MM 58.300

58.483 SB BRIDGE 44-5 I-89

INTERCHANGE 9 SEE SHEET 24

MILE 59

59.090 SB BRIDGE 45-1 I-89

59.415 SB BRIDGE 45-2 I-89

MILE 60

60.010 SB BRIDGE 45-3 I-89

END PROJECT
IMG SIGN(19)
(MM 60.880 NB)

60.880 SB Entering Town of Middlesex

MATCH LINE SEE ABOVE

UNDERPASS MIDDLESEX S.H.

58.339 SB

59.490 NB

59.507 SB

MIDDLESEX

WATERBURY

58.330 NB

58.470 NB EXIT 9 2 TO 100B Middlesex Moretown SEASONAL STATE POLICE

MM 58.500

MM 58.900

58.500 NB BRIDGE 44-5 I-89

MILE 59

59.084 NB BRIDGE 45-1 I-89

59.110 NB GROOVED SHOULDER

59.280 NB SPEED LIMIT 65 MINIMUM SPEED 40

59.448 NB Waterbury 8 KM Burlington 50 KM

59.431 NB BRIDGE 45-2 I-89

MILE 60

60.010 NB BRIDGE 45-3 I-89

60.880 NB ENTERING TOWN OF WATERBURY

LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

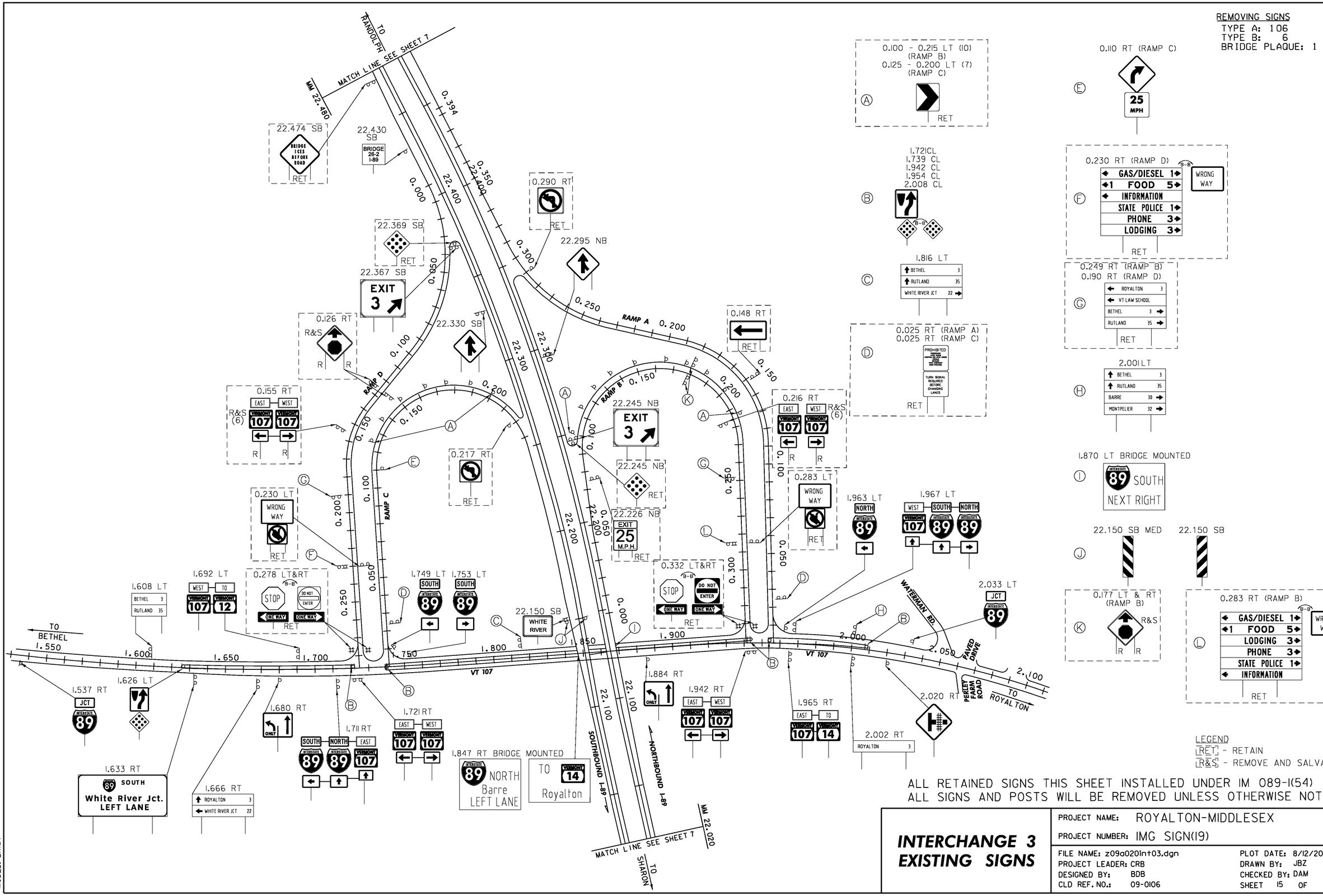
**EXISTING SIGNS MAINLINE (8) 55.900 – 60.880**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 14 OF 163

MODEL: 08-Exist

REMOVING SIGNS
TYPE A: 106
TYPE B: 6
BRIDGE PLAQUE: 1




LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL RETAINED SIGNS THIS SHEET INSTALLED UNDER IM 089-1(54)
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

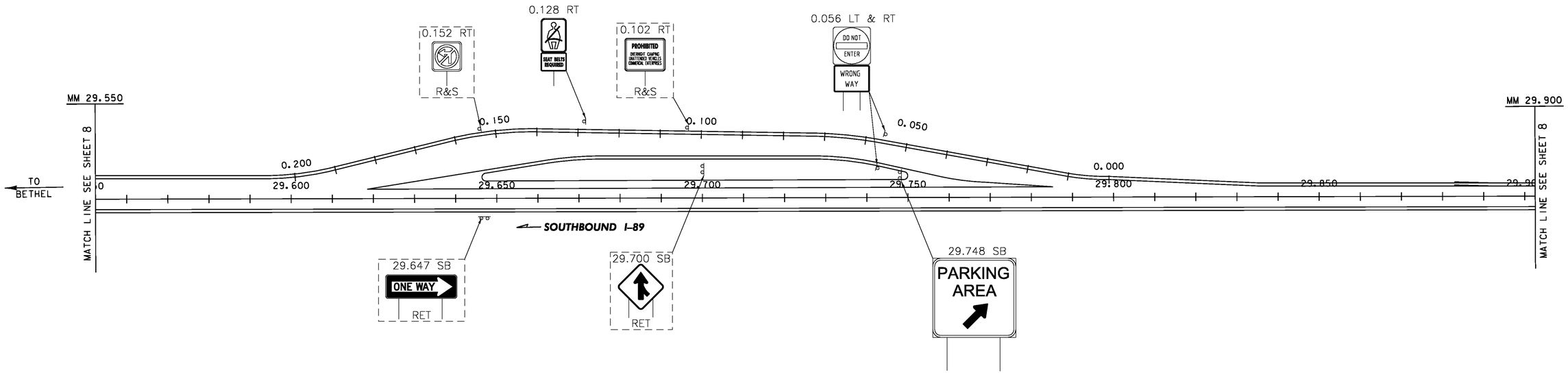
# INTERCHANGE 3 EXISTING SIGNS

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a0201nt03.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 15 OF 163

MODEL: Exist

REMOVING SIGNS
TYPE A: 8
TYPE B: 1
BRIDGE PLAQUE: 0




LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

**PARKING AREA**
**RANDOLPH – SB**
**EXISTING SIGNS**
**MM 29.675**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-SB(29_70).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 16 OF 163

MODEL: Exist

REMOVING SIGNS
TYPE A: 167
TYPE B: 2
BRIDGE PLAQUE: 4

MM 30.600
MM 31.190
MATCH LINE SEE SHEET 8
TO BETHEL
TO NORTHFIELD
SOUTHBOUND I-89
NORTHBOUND I-89
RAMP A
RAMP B
RAMP C
RAMP D
HARVEY ROAD
BETTIS ROAD
VT 66
VT 14
FIELD DRIVE
PAVED DRIVE
TO RANDOLPH
TO BROOKFIELD
JCT INTERSTATE 89
END
BEGIN
ONE WAY
STOP
SPEED LIMIT 40
TRUCKS USE LOWER GEAR
WRONG WAY
DO NOT ENTER
NO OUTLET
MILE 3 1
EXIT 4
BRIDGE 29-1 I-89
TURN SIGNAL REQUIRED BEFORE CHANGING LANES
PROHIBITED
PARK & RIDE 1-800-685-RIDE
RET
R&S (1)

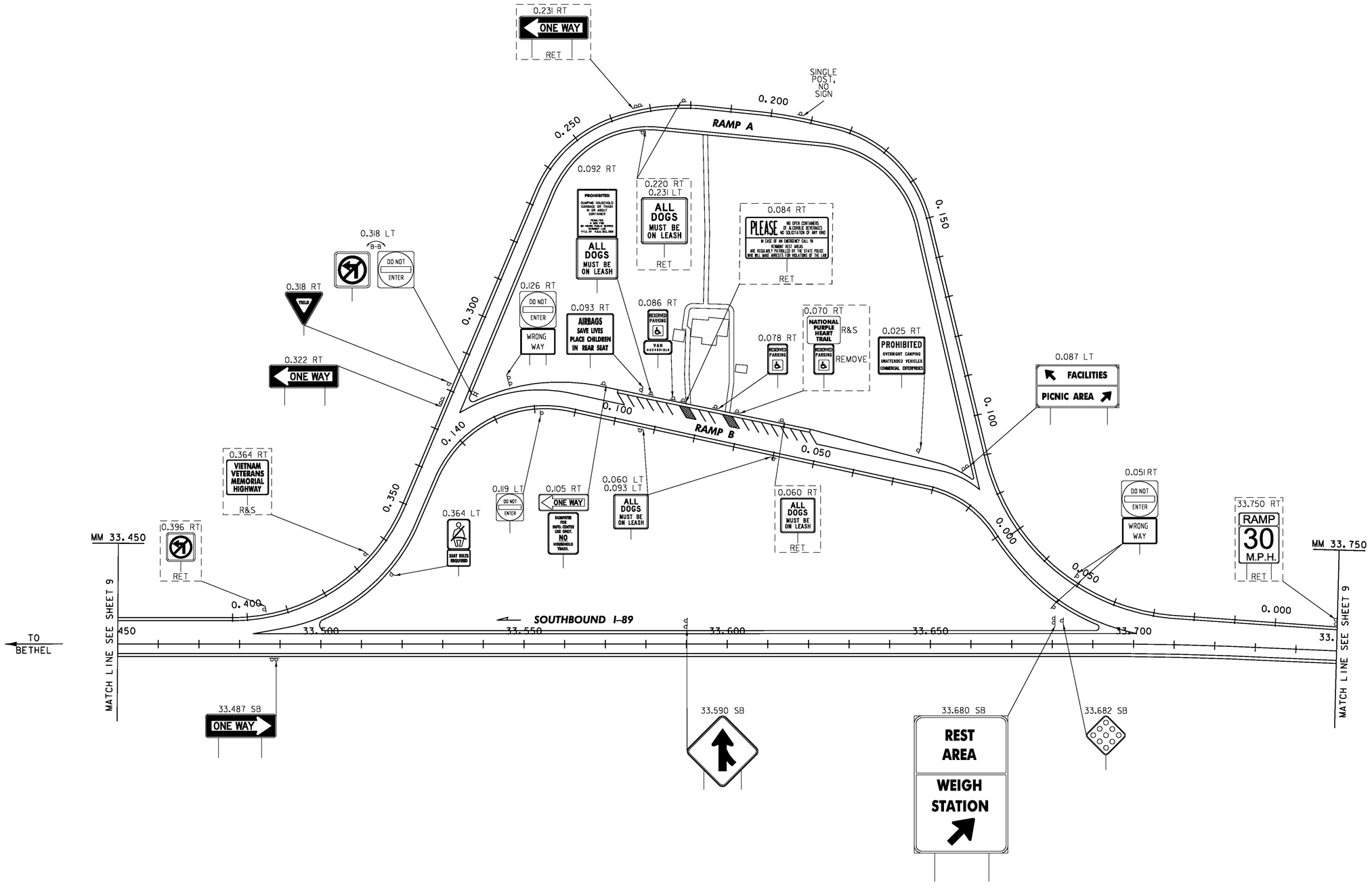
LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

MODEL: Exist

| | |
|---|---|
| **INTERCHANGE 4 EXISTING SIGNS** | PROJECT NAME: ROYALTON-MIDDLESEX |
| | PROJECT NUMBER: IMG SIGN(19) |
| FILE NAME: z09a020in+04.dgn | PLOT DATE: 8/12/2009 |
| PROJECT LEADER: CRB | DRAWN BY: JBZ |
| DESIGNED BY: BDB | CHECKED BY: DAM |
| CLD REF. NO.: 09-0106 | SHEET 17 OF 163 |

REMOVING SIGNS
TYPE A: 30
TYPE B: 2
BRIDGE PLAQUE: 0




LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

**REST AREA**
**RANDOLPH – SB**
**EXISTING SIGNS**
**MM 33.600**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-SB(34).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 18 OF 163

MODEL: Exist

REMOVING SIGNS
TYPE A: 11
TYPE B: 0
BRIDGE PLAQUE: 0

MM 34.250
MATCH LINE SEE SHEET 9
NORTHBOUND I-89
MM 34.600
MATCH LINE SEE SHEET 9
TO NORTHFIELD
RAMP B
RAMP A
34.300
34.350
34.400
34.450
34.500
34.550
0.000
0.050
0.100
0.150
0.200
0.250
0.300
34.260 NB
RAMP
30
M.P.H.
RET
34.310 NB
ONE WAY
34.320 NB
RET
34.322 NB
WEIGH STATION
RET
34.436 NB
RET
0.027 LT & RT
DO NOT ENTER
WRONG WAY
0.051 LT
TRUCKS AND TRAILERS
PASSENGER CARS
RET
0.125 RT
ALL DOGS MUST BE ON LEASH
RET
0.150 LT
B-B
PROHIBITED
OVERNIGHT CAMPING
UNATTENDED VEHICLES
COMMERCIAL ENTERPRISES
DO NOT ENTER
RET
0.155 RT
DO NOT ENTER
RET
0.159 RT
ONE WAY
RET
0.175 LT
NATIONAL PURPLE HEART TRAIL
RET
0.178 LT
RESERVED PARKING
RET
0.183 LT
PLEASE
NO OPEN CONTAINERS OF ALCOHOLIC BEVERAGES NO SOLICITATION OF ANY KIND
IN CASE OF AN EMERGENCY CALL 911
VERMONT STATE TROOPERS ARE REGULARLY PATROLLED BY THE VERMONT STATE POLICE AND WILL MAKE ARRESTS FOR VIOLATIONS OF THE LAW
RESERVED PARKING
RET
0.183 RT
ALL DOGS MUST BE ON LEASH
WALK DOGS HERE
RET
0.208 LT
PROHIBITED
DUMPING HOUSEHOLD GARBAGE OR TRASH IN OR ABOUT CONTAINER
RET
0.212 LT & RT
DO NOT ENTER
WRONG WAY
0.215 RT
ONE WAY
RET
0.230 LT
ONE WAY
RET
0.283 LT & RT
DO NOT ENTER
RET
0.299 RT
THRU
RET
0.305 RT
ONE WAY
RET
34.596 NB
ONE WAY
RET
0.322 LT
SEAT BELTS REQUIRED
0.322 RT
RET

LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

**REST AREA**
**RANDOLPH - NB**
**EXISTING SIGNS**
**MM 34.450**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-NB(34).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 19 OF 163

MODEL: Exist

REMOVING SIGNS
TYPE A: 162
TYPE B: 8
BRIDGE PLAQUE: 3

0.041 RT JCT INTERSTATE 89 TO NORTHFIELD
0.088 LT SPEED LIMIT 50
0.119 LT PARK & RIDE
0.176 LT WEST TO VERMONT 64 VERMONT 12
0.071 RT FIELD DRIVE
B COMMUTER LOT ENTRANCE
0.149 LT NORTHFIELD 5
0.096 RT COMMUTER PARKING VT 64
0.120 RT B-B WILLIAMSTOWN 4 BROOKFIELD 12 NORTHFIELD 5 WRONG WAY
0.130 RT SOUTH INTERSTATE 89
0.090 RT TURN SIGNAL REQUIRED BEFORE CHANGING LANES PROHIBITED
0.165 RT WILLIAMSTOWN 4 SOUTH BARRE 8 BARRE 10 RANDOLPH 15 WHITE RIVER JCT. 43
0.155 LT
0.054 RT
0.120 LT WRONG WAY
43.076 SB EXIT 5
43.079 SB
0.380 RT
42.740 SB
MM 42.500
0.450 0.400 0.350 0.300 0.250 0.200 0.150 0.100 0.050
RAMP C
RAMP D
0.000
MATCH LINE SEE SHEET 11
42.600 42.700 42.800 42.900 43.000 43.100
SOUTHBOUND I-89
TO MONTPELIER
TO WHITE RIVER JCT.
42.593 SB ONE WAY
0.260 RT (FOLDING/HINGED)
43.055 ONE WAY
NORTHBOUND I-89
0.186
43.090 0.155 RT BRIDGE 35-1 I-89
MM 43.140
0.176 CL
0.210 CL
0.226 CL
0.355 CL
0.370 CL
0.432 CL
0.167 RT (RAMP A)
0.179 RT (RAMP D)
42.715 NB EXIT 5 64 12 14 Northfield Williamstown SEASONAL
42.753 NB EXIT 35 M.P.H.
42.867 NB
42.934 BRIDGE 35-N I-89
EXIT 5 42.870 NB
0.056 RT
WRONG WAY 0.102 LT
RAMP A
RAMP B
0.300
0.400
0.350
0.050
0.150
0.200
0.450
0.100
MILE 4 3
43.015 NB
0.073 RT TURN SIGNAL REQUIRED BEFORE CHANGING LANES PROHIBITED
0.362 LT NORTH INTERSTATE 89
0.040 LT YIELD
0.382 LT WEST SOUTH NORTH VERMONT 64 INTERSTATE 89 INTERSTATE 89
0.427 LT NORTHFIELD 5 RANDOLPH 15 WHITE RIVER JCT 43 SOUTH BARRE 8 BARRE 10
0.102 RT NORTHFIELD 5 NORWICH UNIV. 4 WILLIAMSTOWN 4 WRONG WAY
0.150 LT 4 FOOD 4 3 PHONE 4 3 GAS/DIESEL 4 5 LODGING CAMPING 6 4 INFORMATION
0.432 RT EAST TO VERMONT 64 VERMONT 14
0.463 RT WILLIAMSTOWN 4 BROOKFIELD 12
0.495 RT VT 64 EAST STEEP GRADE 6 MI NOT RECOMMENDED FOR TRUCKS
0.530 RT SPEED LIMIT 50
TO WILLIAMSTOWN
FERNO ROAD
DRIVEWAY
VT 64

A 0.176 CL 0.210 CL 0.226 CL 0.355 CL 0.370 CL 0.432 CL
B 0.103 LT 0.497 LT STOP
C 0.145 RT (RAMP A) 0.145 RT (RAMP D) VT 64 EAST STEEP GRADE NOT RECOMMENDED FOR TRUCKS
D 0.282 LT BRIDGE MOUNTED 89 SOUTH NORTHFIELD
E 0.271 LT 0.306 RT ONLY
F 0.240 RT BRIDGE MOUNTED 89 NORTH NEXT LEFT
G 0.078 RT (RAMP A) WEST 64 TO 12 EAST 64 TO 14
H 0.084 RT (RAMP D) EAST 64 TO 14 WEST 64 TO 12
I 0.160 LT (RAMP D) 4 FOOD 4 4 PHONE 3 4 GAS/DIESEL 3 LODGING 5 6 CAMPING INFORMATION 4
J 0.211 LT 0.217 LT 0.364 RT 0.370 RT STOP DO NOT ENTER ONE WAY ONE WAY
K 42.992 SB BRIDGE 35-S I-89
L 0.200 RT SOUTH INTERSTATE 89 SOUTH INTERSTATE 89
M 0.370 LT 0.390 LT
N

LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

# INTERCHANGE 5 EXISTING SIGNS

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)
FILE NAME: z09a020int05.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 20 OF 163

MODEL: Exist

REMOVING SIGNS
TYPE A: 85
TYPE B: 4
BRIDGE PLAQUE: 3

0.287 RT
DEER CROSSING
NEXT 2 MILES

0.373 RT

MM 46.500

TO WILLIAMSTOWN

SEE SHEET 12

MATCH LINE

46.690 SB
ONE WAY

SOUTHBOUND I-89

NORTHBOUND I-89

46.815 SB
CURVE 30 M.P.H.

46.820 SB

46.936 SB
EXIT 30 M.P.H.

46.984 SB
BRIDGE 36-S I-89

MILE 47

47.120 NB
ONE WAY

47.120 SB
BRIDGE 36-1-S I-89

MM 47.200

TO MONTPELIER

SEE SHEET 12

MATCH LINE

46.903 NB
BRIDGE 36-N I-89

0.040 - 0.254 LT (13)
(RAMP D)

46.831 NB

0.149 RT
0.388 LT
TRUCKS ENTERING

0.061 RT

0.079 RT
0.128 LT & RT
WRONG WAY

0.123 LT

0.108 RT
DEER CROSSING
NEXT 2 MILES

0.161 RT

0.138 OH

SOUTH
89
White River

NORTH
89
Montpelier
Burlington

0.100 - 0.240 RT (7)
(RAMP C)

0.155 RT
(RAMP A)
YIELD
DO NOT ENTER

0.247 RT
LEGAL LOAD AS FOR STATE HIGHWAYS
R&S

0.090 LT
13'-9"

0.165 LT
RIGHT LANE MUST TURN RIGHT

0.155 CL

0.184 LT
RAMP 40 M.P.H.

0.234 LT
TURN SIGNAL REQUIRED BEFORE CHANGING LANES
PROHIBITED

0.187 RT
TIS
TIS
RET

0.204 LT
ONLY

0.055 LT
40 MPH

0.266 RT
SOUTH BARRE 4
BARRE 6

0.027 LT
END
VERMONT 63

0.232 RT
SPEED LIMIT 55

0.242 LT
STOP

0.242 LT
R&S (2)
EAST RD TH57
EAST RD TH57

WILLIAMS ROAD

EAST ROAD

0.363 RT
4 FOOD
4 PHONE
4 GAS
4 DIESEL
5 LODGING
5 CAMPING

0.247RT
WILLIAMS RD TH66
WILLIAMS RD TH66
R&S (3)
NO DUMPING $500 FINE

0.260 RT
STOP

0.312 LT
TIS
TIS
RET

46.836 NB
46.813 SB
EXIT 6

0.319 RT
EAST TO
VERMONT 63
VERMONT 14

46.760 SB
46.954 NB

0.031RT (VT 63)

0.093 RT
0.142 RT (RAMP A)
DO NOT ENTER

VT 63 0.400 BARRE TO

LEGEND
"RET" - RETAIN
"R&S" - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

# INTERCHANGE 6 EXISTING SIGNS

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a0201nt06.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 21 OF 163

MODEL: Exist

REMOVING SIGNS
TYPE A: 81
TYPE B: 4
BRIDGE PLAQUE: 1

50.020
MATCH LINE SEE SHEET 12
TO WILLIAMSTOWN
SOUTHBOUND I-89
50.023 SB
BRIDGE 37-S I-89
50.062 SB
SOUTH INTERSTATE 89
50.060 NB
EXIT 35 M.P.H.
50.123 NB
50.126 NB
EXIT 7
50.214
0.170 RT
0.080 RT
0.115 LT OVERHEAD
SOUTH INTERSTATE 89 White River
NORTH INTERSTATE 89 Montpelier Burlington
0.097 LT
SOUTH INTERSTATE 89
NORTH INTERSTATE 89
0.220 RT
0.166 RT
EAST TO VERMONT 62 302
0.200 RT
BARRE 5
AIRPORT 3
PARK AND RIDE
BERLIN CORNERS
0.233 RT
3 FOOD
PHONE
24 HR. GAS/DIESEL
1 LODGING
1 HOSPITAL
1 INFORMATION
0.178 LT
ONLY
0.213 LT
TURN SIGNAL REQUIRED BEFORE CHANGING LANES
PROHIBITED
0.268 LT & RT
0.304 RT
SPEED LIMIT 50
0.310
MATCH LINE SEE THIS SHEET
VT 62
RAMP A
RAMP B
RAMP C
RAMP D
0.022 RT
CURVE 35 M.P.H.
END 0.000
VERMONT 62
0.255 RT
0.282
0.233 RT
0.310
MATCH LINE SEE THIS SHEET
0.370 RT
0.400 RT
EAST TO VERMONT 62 302
0.415 RT
ONLY ONLY
0.478 RT
B-B
PAINE TRPK N 141 PAINE TRPK N 141
RET
0.489 RT
ONLY
RET
0.494 RT
PROHIBITED
0.492 LT
B-B
PAINE TRPK N 141 PAINE TRPK N 141
RET
TO BARRE
PAINE TURNPIKE
0.500
0.450
0.400
VT 62
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
0.160 RT
40 MPH
50.500 SB
50.405 SB
ONE WAY
50.405 NB
ONE WAY
50.504 NB
5%
RET
50.605 SB
EXIT 7
50.606 SB
MM 50.680
MATCH LINE SEE SHEET 12
TO MONTPELIER
NORTHBOUND I-89
0.400 LT
MONTPELIER 4
BURLINGTON 39
WHITE RIVER JCT 50
0.429 LT
SPEED LIMIT 50
0.459 LT
PROHIBITED
0.470 LT
TO INTERSTATE 89
0.477 LT
EAST TO VERMONT 62 INTERSTATE 89
0.491 LT
0.468 CL
0.484 CL
A
B-B
0.140 – 0.245 LT (7)
(RAMP D)
B

LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

MODEL: Exist

**INTERCHANGE 7 EXISTING SIGNS**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a0201nt07.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 22 OF 163

REMOVING SIGNS
TYPE A: 76
TYPE B: 4
BRIDGE PLAQUE: 2

REMOVAL OF 2 SIGNS NOT SHOWN ON PLANS.
REPLACED WITH NEW: SEE SHEET 41L 2.0 EACH

52.840 SB
GROOVED BRIDGE AHEAD
RET

52.930 NB
52.970 SB
BRIDGE NO-41S I-89
52.930 NB
BRIDGE NO-41N I-89
52.850 NB
52.855 NB
EXIT 8
52.930 NB

SOUTHBOUND I-89
NORTHBOUND I-89
RAMP A
RAMP B
RAMP C
RAMP D
EXIT 25 N.B.
MILE 53
MILE 53
0.127 RT
25 MPH
0.311 RT
0.305 RT
YIELD
0.021 LT
0.107 RT
0.096 LT
0.115 LT
RIGHT LANE MUST TURN RIGHT
0.115 RT
SPEED LIMIT 45
0.157 LT
ONLY
0.197 LT
WHITE RIVER JCT 57
BURLINGTON 37
0.196 RT
MONTPELIER 1
ST JOHNSBURY 38
RAILROAD STATION 1
MONTPELIER JCT 1
PARK & RIDE LEFT LANE
0.231 RT
1 FOOD
1 PHONE
1 24 HR. GAS/DIESEL
1 LODGING
6 CAMPING
VISITOR CENTER
0.241 LT
SOUTH INTERSTATE 89
NORTH INTERSTATE 89
0.294 LT
YIELD
0.308 LT
0.323 LT
TO INTERSTATE 89
0.335 LT
STOP
0.278 RT
ONLY
0.339 RT
RAILROAD STATION 1
MONTPELIER JCT 1
0.341 RT
DIVIDED HIGHWAY
0.377 RT
SPEED LIMIT 45
0.377 LT
0.325 CL
0.341 LT
0.348 CL
B-B
MONTPELIER ST. HWY.
MONTPELIER JCT. ST. HWY.
MONTPELIER

53.178 SB
EXIT 8
53.179 SB
MM 53.250
MATCH LINE SEE SHEET 13
TO MIDDLESEX
53.100
53.200
0.000
53.190 NB
SPEED LIMIT 65
53.230 NB
BRIDGES FREEZE BEFORE ROAD
0.102 LT OVERHEAD
INTERSTATE 89 SOUTH
White River Junction
INTERSTATE 89 NORTH
Burlington
RAMP 25 N.B.

52.780
MATCH LINE SEE SHEET 13
TO BARRE
TOWN OF BERLIN
CITY OF MONTPELIER

0.021 RT
0.136 RT RAMP A
Ⓐ

0.052 LT
0.360 RT RAMP D
Ⓑ
14'-0"

52.787 – 52.901 NB (4)
Ⓒ

0.155 RT (RAMP D)
0.290 RT (RAMP D)
Ⓓ
30 MPH

53.063 NB
53.011 SB
Ⓔ
ONE WAY

52.925 NB
53.089 SB
Ⓕ

LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

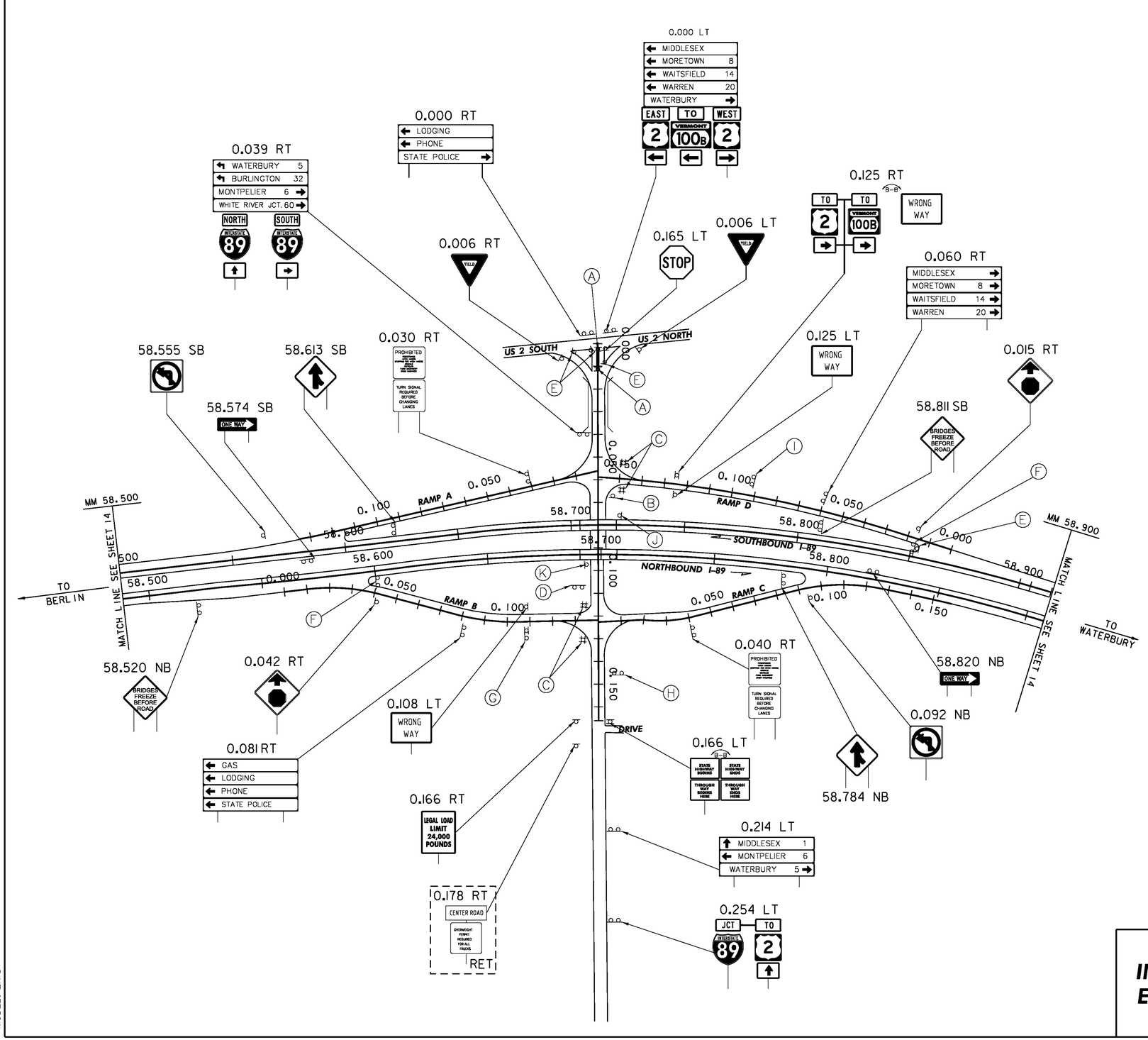
# INTERCHANGE 8 EXISTING SIGNS

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

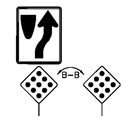
FILE NAME: z09a0201in108.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 23 OF 163

MODEL: Exist

REMOVING SIGNS
TYPE A: 131
TYPE B: 2
BRIDGE PLAQUE: 2




A — 0.006 CL, 0.013 CL



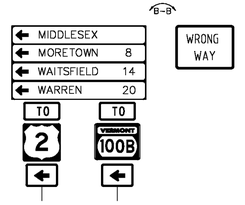
F — 58.600 NB, 58.847 SB



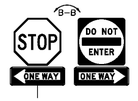

B — 0.064 LT



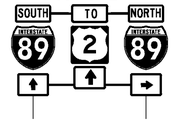

G — 0.108 RT (RAMP B)



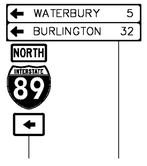

C — 0.135 LT & RT (RAMP B), 0.150 LT & RT (RAMP D)



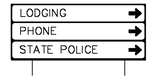

H — 0.146 LT




D — 0.106 RT




I — 0.093 RT (RAMP D)




E — 0.006 RT, 0.007 RT, 0.011 LT



J — 58.713 SB




K — 58.697 NB




LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

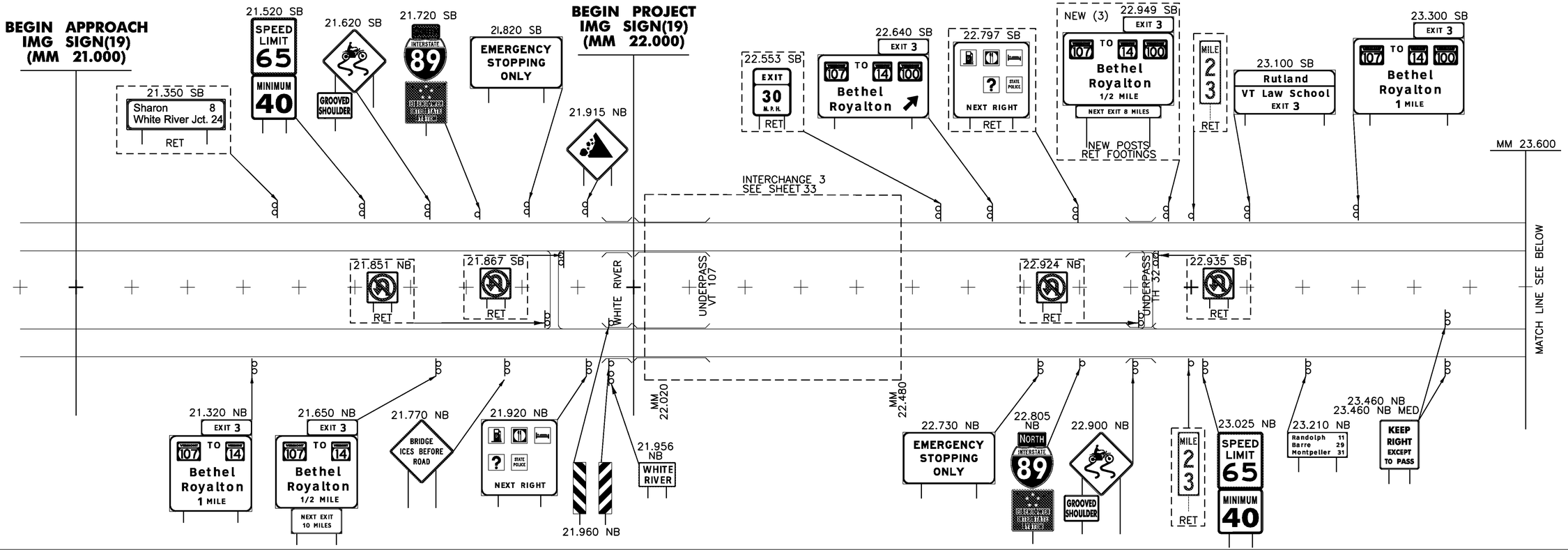
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

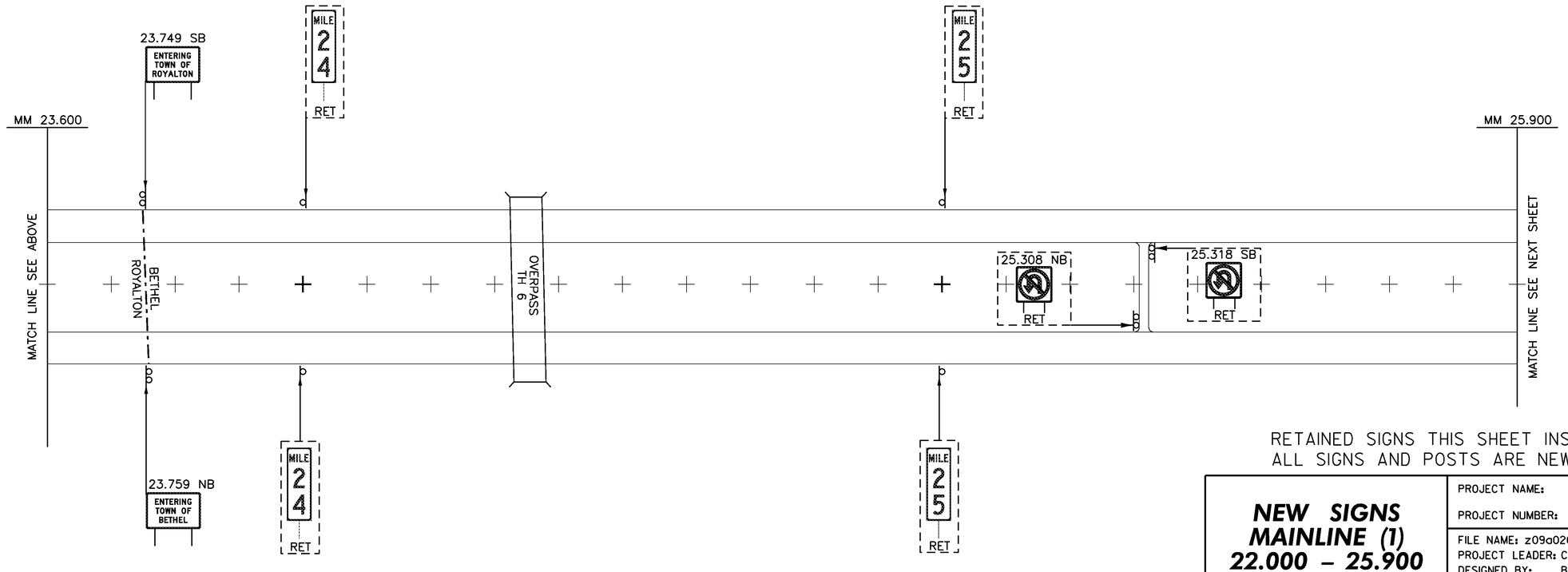
**INTERCHANGE 9**
**EXISTING SIGNS**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int09.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 24 OF 163

MODEL: Exist




LEGEND
RET - RETAIN
SALV - SALVAGE

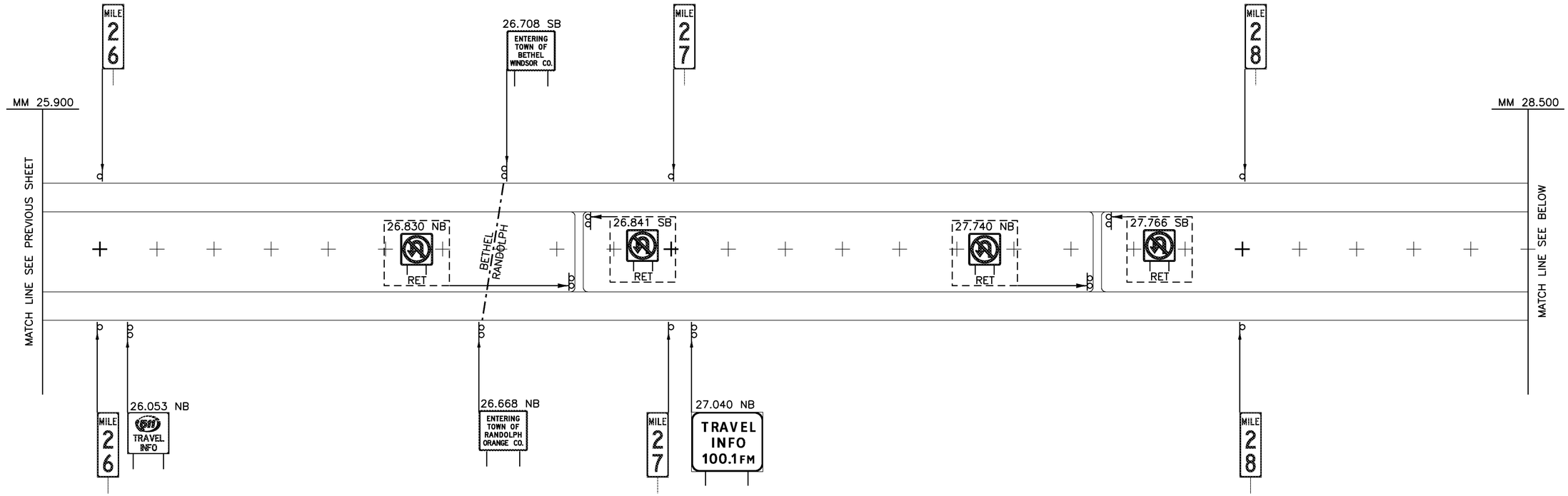
RETAINED SIGNS THIS SHEET INSTALLED UNDER IM 089-1(54)
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

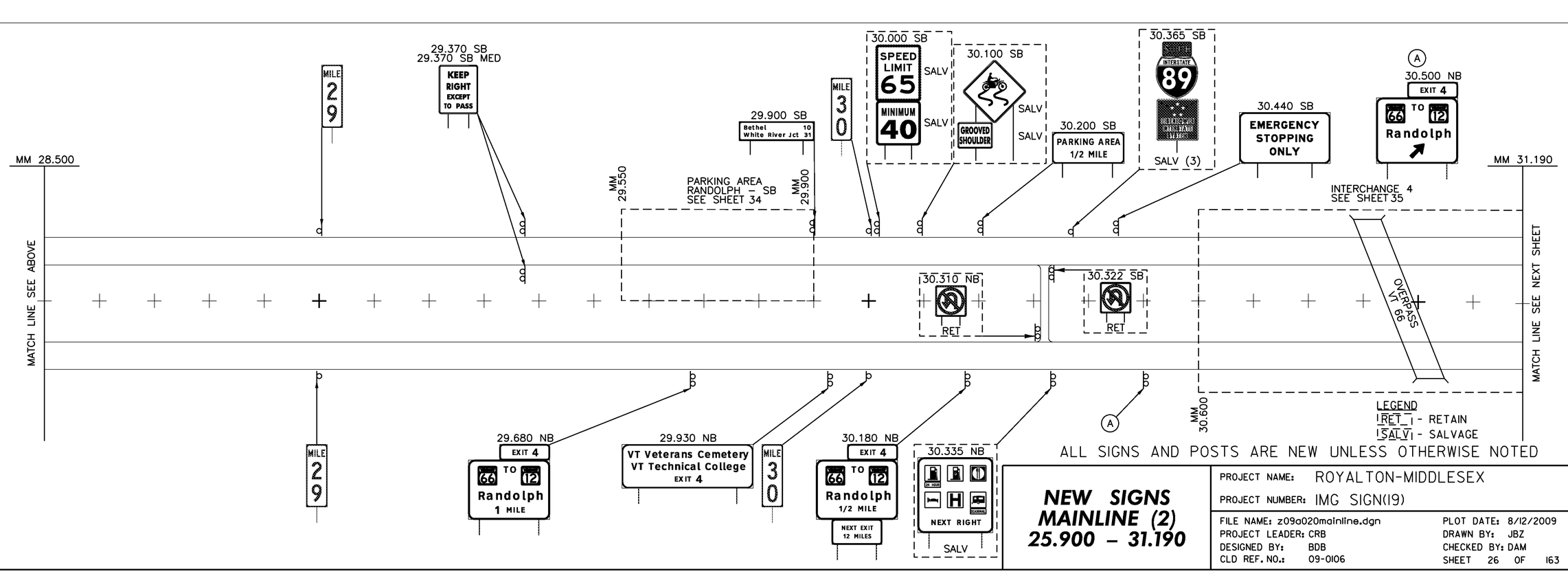
**NEW SIGNS MAINLINE (1) 22.000 – 25.900**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 25 OF 163

MODEL: 01-New



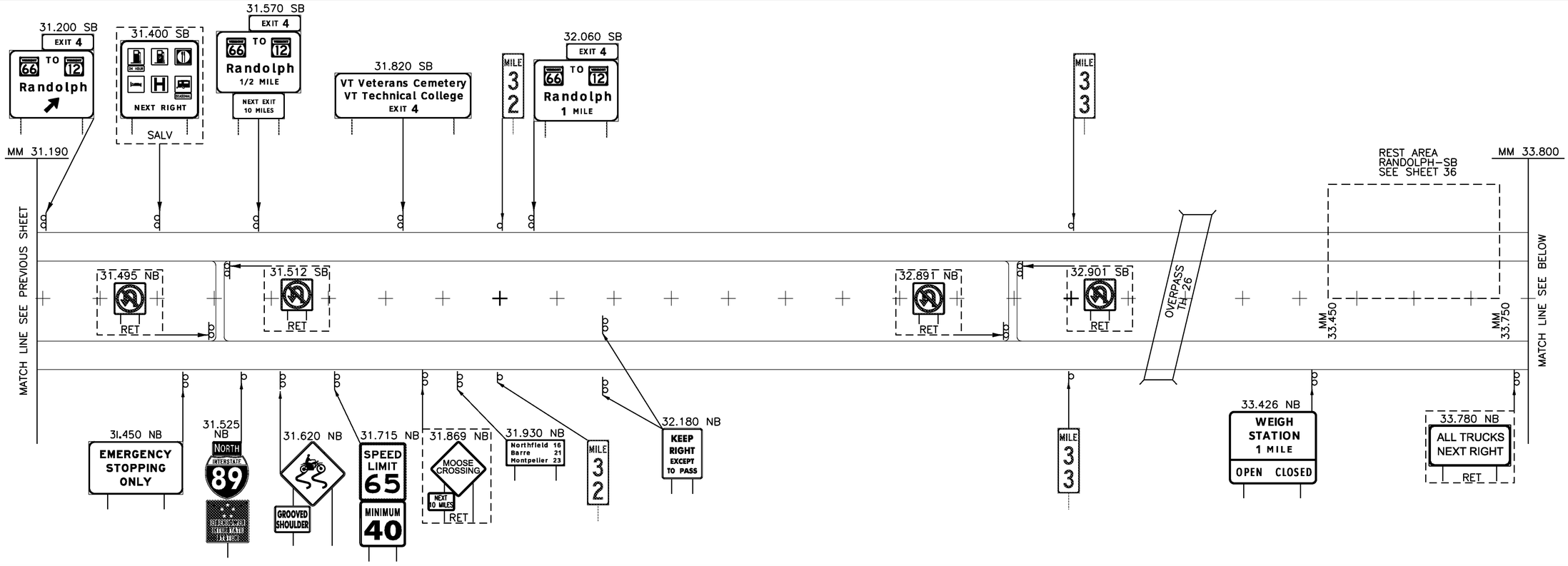

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

**NEW SIGNS MAINLINE (2) 25.900 – 31.190**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 26 OF 163

MODEL: 02-New

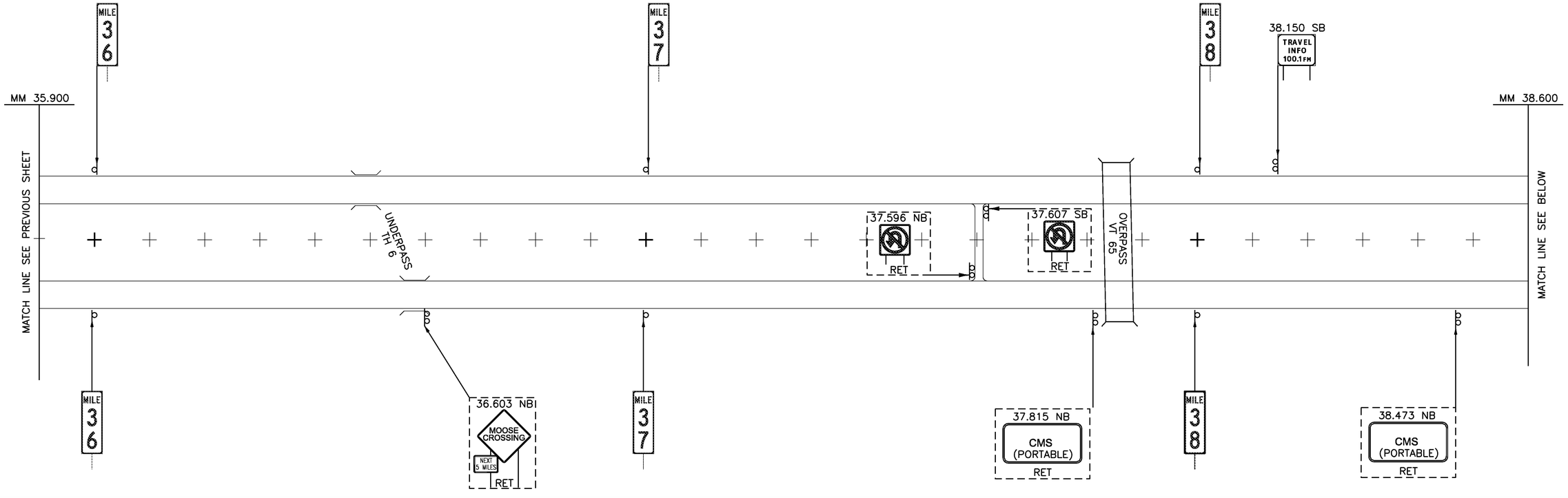


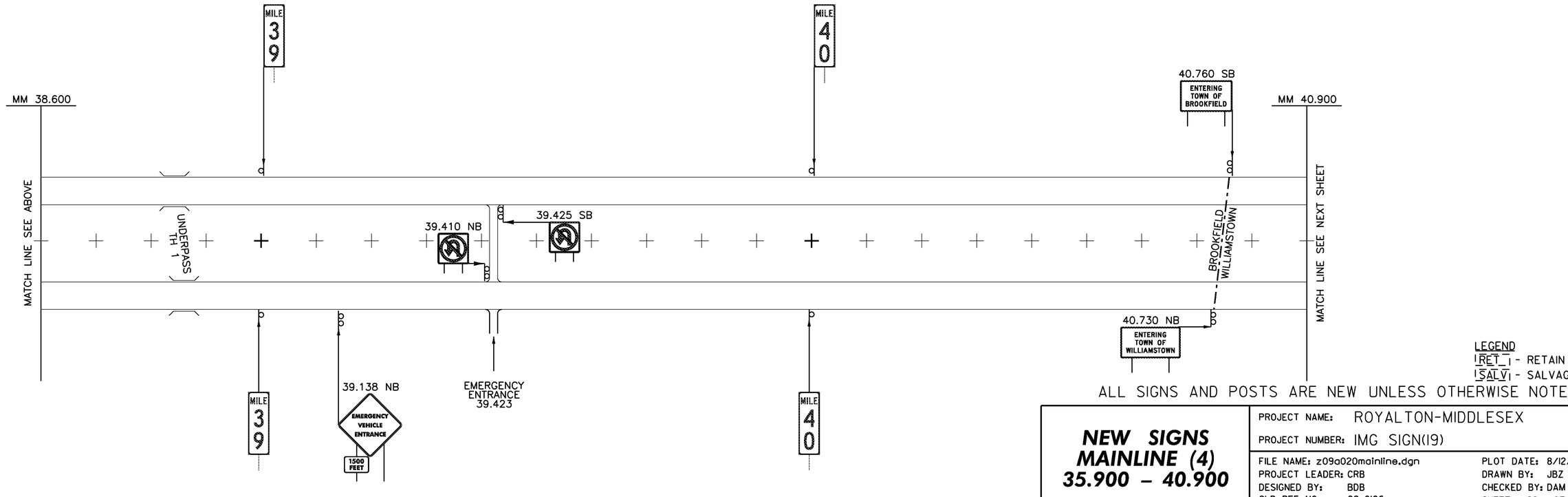

**NEW SIGNS MAINLINE (3)**
**31.190 – 35.900**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 27 OF 163

MODEL: 03-New




LEGEND
RET - RETAIN
SALV - SALVAGE

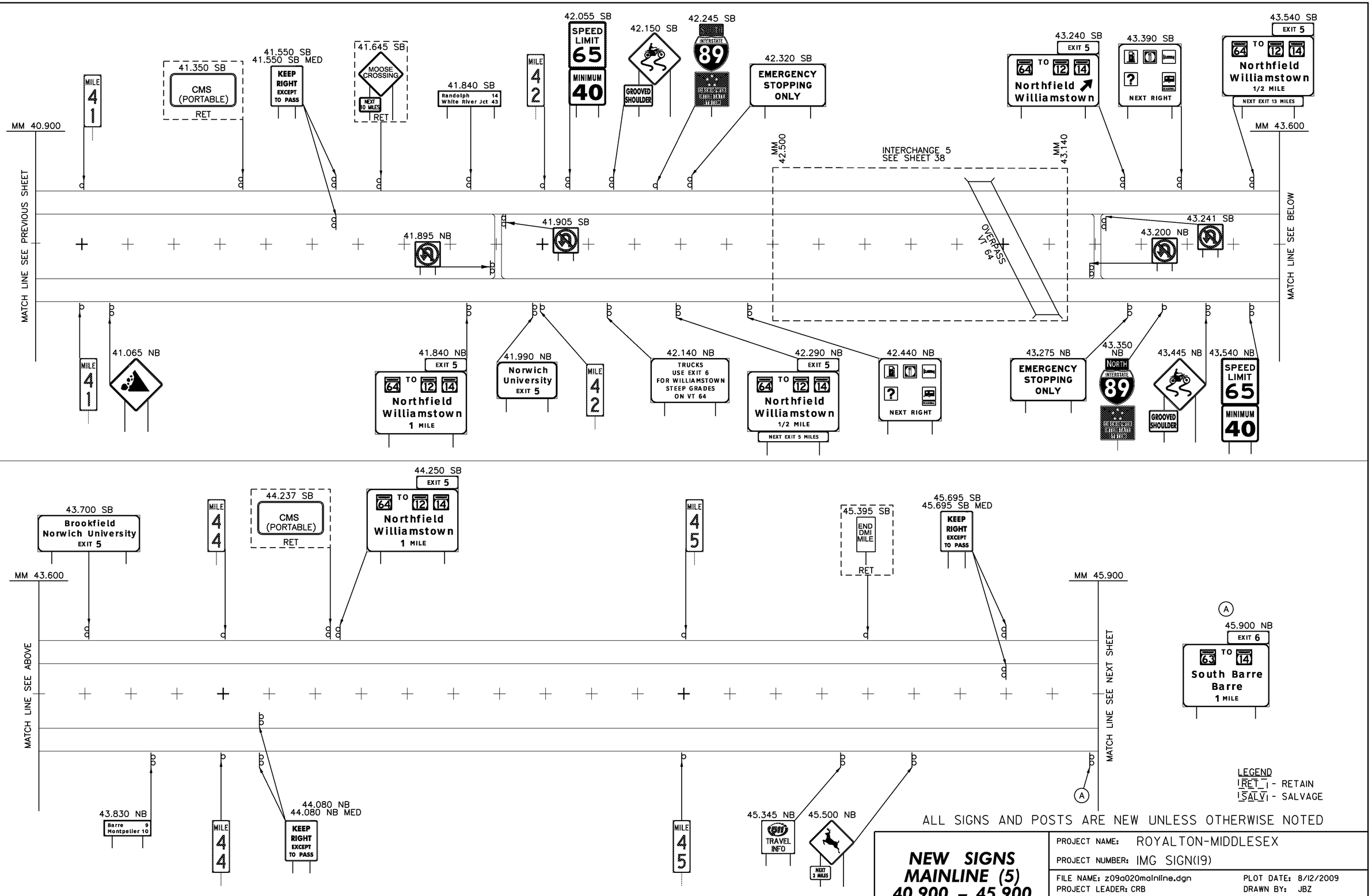
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

**NEW SIGNS MAINLINE (4) 35.900 – 40.900**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 28 OF 163

MODEL: 04-New

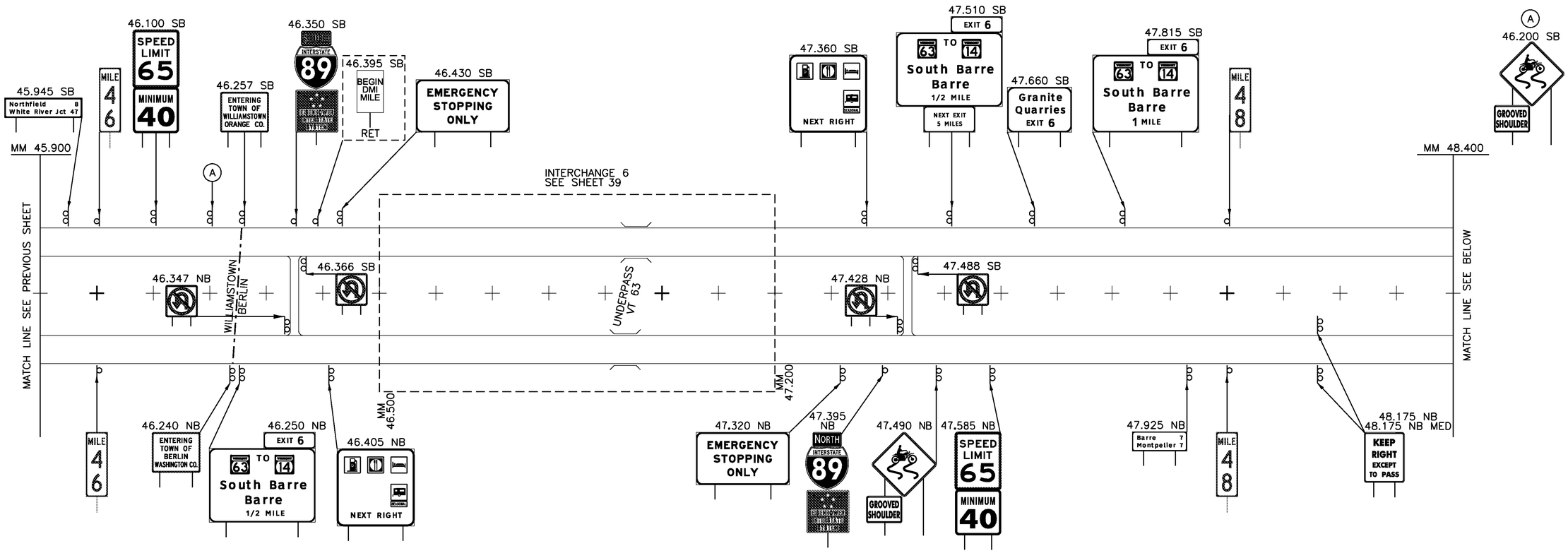


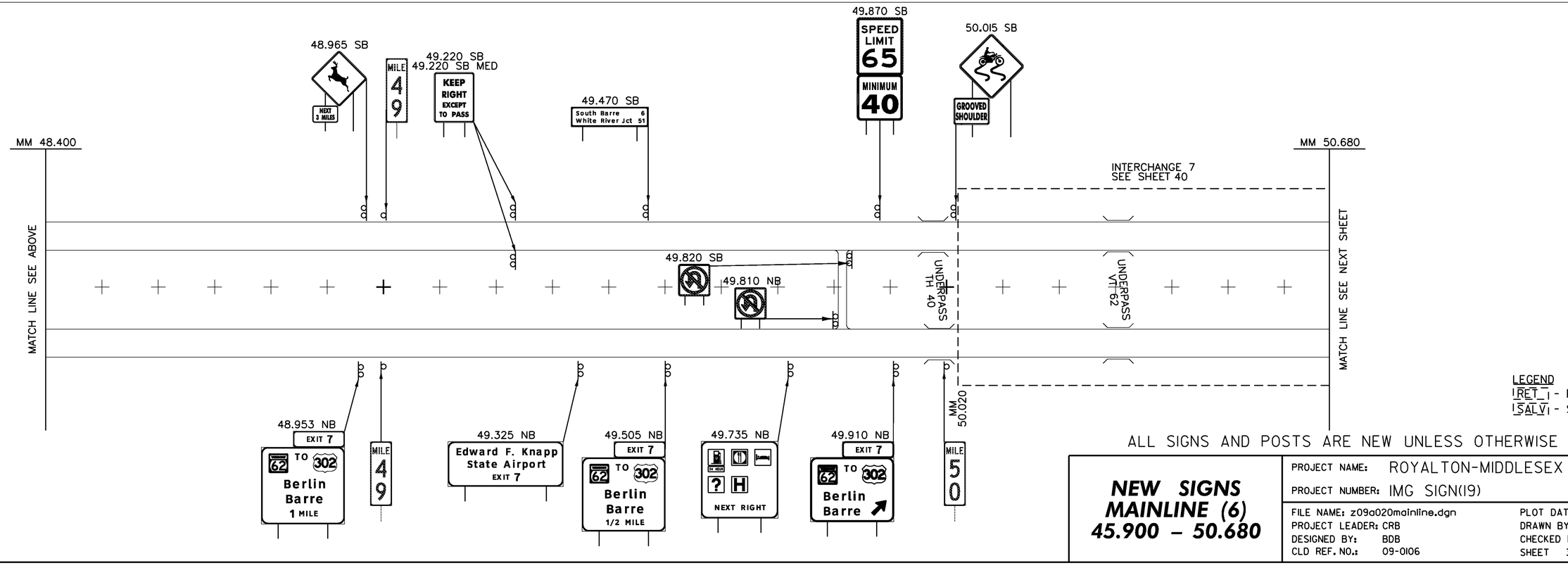

**NEW SIGNS MAINLINE (5) 40.900 – 45.900**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 29 OF 163

MODEL: 05-New




**NEW SIGNS MAINLINE (6)**
**45.900 – 50.680**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 30 OF 163

MODEL: 06-New

MM 50.680

MATCH LINE SEE PREVIOUS SHEET

OVERPASS TH 18

50.730 NB
NORTH INTERSTATE 89
SUPERELEVATION TRANSITIONS BEGIN

50.775 NB
CMS (PORTABLE)

50.856 SB

50.910 NB
GROOVED SHOULDER

50.930 SB
EXIT 7
62 TO 302
Berlin
Barre
NEXT RIGHT

50.990 NB
SPEED LIMIT 65
MINIMUM 40

MILE 5 1

51.075 NB
Montpelier 3
Burlington 39

51.080 SB
NEXT RIGHT

51.230 SB
EXIT 7
62 TO 302
Berlin
Barre
1/2 MILE

51.325 NB
51.325 NB MED
KEEP RIGHT EXCEPT TO PASS

51.380 SB
Edward F. Knapp
State Airport
EXIT 7

51.615 SB
EXIT 7
62 TO 302
Berlin
Barre
1 MILE

51.720 NB
EXIT 8
2
Montpelier
1 MILE
VISITOR CENTER

51.860 NB

51.960 NB
51.960 NB MED
RET

MILE 5 2

52.105 SB
52.105 SB MED
KEEP RIGHT EXCEPT TO PASS

52.140 NB
GROOVED BRIDGE AHEAD

52.179 SB
ENTERING TOWN OF BERLIN

52.179 NB
ENTERING CITY OF MONTPELIER

52.220 SB
Barre
NEXT 2 EXITS

52.340 NB
BRIDGE ICES BEFORE ROAD

52.355 SB
Barre 6
White River Jct 54

52.381 NB

52.389 SB

BERLIN
MONTPELIER

MONTPELIER
BERLIN
UNDERPASS
VT 12

52.440 NB
NEXT RIGHT

52.500 SB
SPEED LIMIT 65
MINIMUM 40

52.590 SB
GROOVED SHOULDER

52.595 NB
EXIT 8
2
Montpelier

52.673 SB
INTERSTATE 89
BEGIN INTERSTATE SIGNING

52.690 NB
EXIT
40
M.P.H.

52.756 SB
BRIDGE ICES BEFORE ROAD

MM 52.780

MM 53.250

INTERCHANGE 8
SEE SHEET 41

UNDERPASS
MONTPELIER S.H.

BERLIN
MONTPELIER

MATCH LINE SEE BELOW

50.732 NB
50.741 SB
50.848 NB
53.350 SB
A

51.540 NB
54.304 SB
Welcome to
Montpelier
Capital of
Vermont

52.235 NB
EXIT 8
2
Montpelier
1/2 MILE
NEXT EXIT 6 MILES
C

52.288 NB
52.390 NB
52.470 NB
52.500 NB
52.555 NB
D

52.755 NB
53.620 SB
53.647 SB
53.682 SB
53.710 SB
53.745 SB
53.787 SB
53.834 SB
53.863 SB
E

MM 53.250

MATCH LINE SEE ABOVE

53.340 NB

53.350 SB
EXIT 8
2 TO 12
Montpelier
St. Johnsbury

53.525 NB
EMERGENCY STOPPING ONLY

53.540 SB

53.550 SB
NEXT RIGHT

53.600 NB
NORTH INTERSTATE 89
SUPERELEVATION TRANSITIONS END

53.695 NB
GROOVED SHOULDER

53.695 SB
BRIDGE ICES BEFORE ROAD

53.790 NB
SPEED LIMIT 65
MINIMUM 40

53.850 SB
EXIT 8
2 TO 12
Montpelier
St. Johnsbury
1/2 MILE
VISITOR CENTER

53.880 NB
Middlesex 5
Burlington 36

53.960 NB
NEXT 1 MILE

MILE 5 4

54.049 SB
54.049 SB MED

54.102 NB
ENTERING TOWN OF MIDDLESEX

54.102 SB
ENTERING CITY OF MONTPELIER

54.130 NB
54.130 NB MED
KEEP RIGHT EXCEPT TO PASS

54.150 SB
EXIT 8
2 TO 12
Montpelier
St. Johnsbury
1 MILE

54.320 NB

54.435 SB
CMS (PORTABLE)

54.690 NB
BRIDGE ICES BEFORE ROAD

54.785 NB

54.807 SB

54.897 NB

54.906 SB

54.925 SB
BRIDGE ICES BEFORE ROAD

54.965 NB

MILE 5 5

55.049 SB
55.049 SB MED
BUMP
RET

55.259 SB
TRAVEL INFO

55.550 NB
BEGIN DMI MILE
RET

53.340 NB
53.540 SB
54.785 NB
54.807 SB
F

54.375 NB
MOOSE
NEXT 4 MILES
G

MM 55.900

MATCH LINE SEE NEXT SHEET

50.824 NB
5%
NEXT 2 MILES
RET
H

50.824 NB
(FLASHING BEACON)
5%
NEXT 2 MILES
RET
I

LEGEND
RET - RETAIN
SALV - SALVAGE

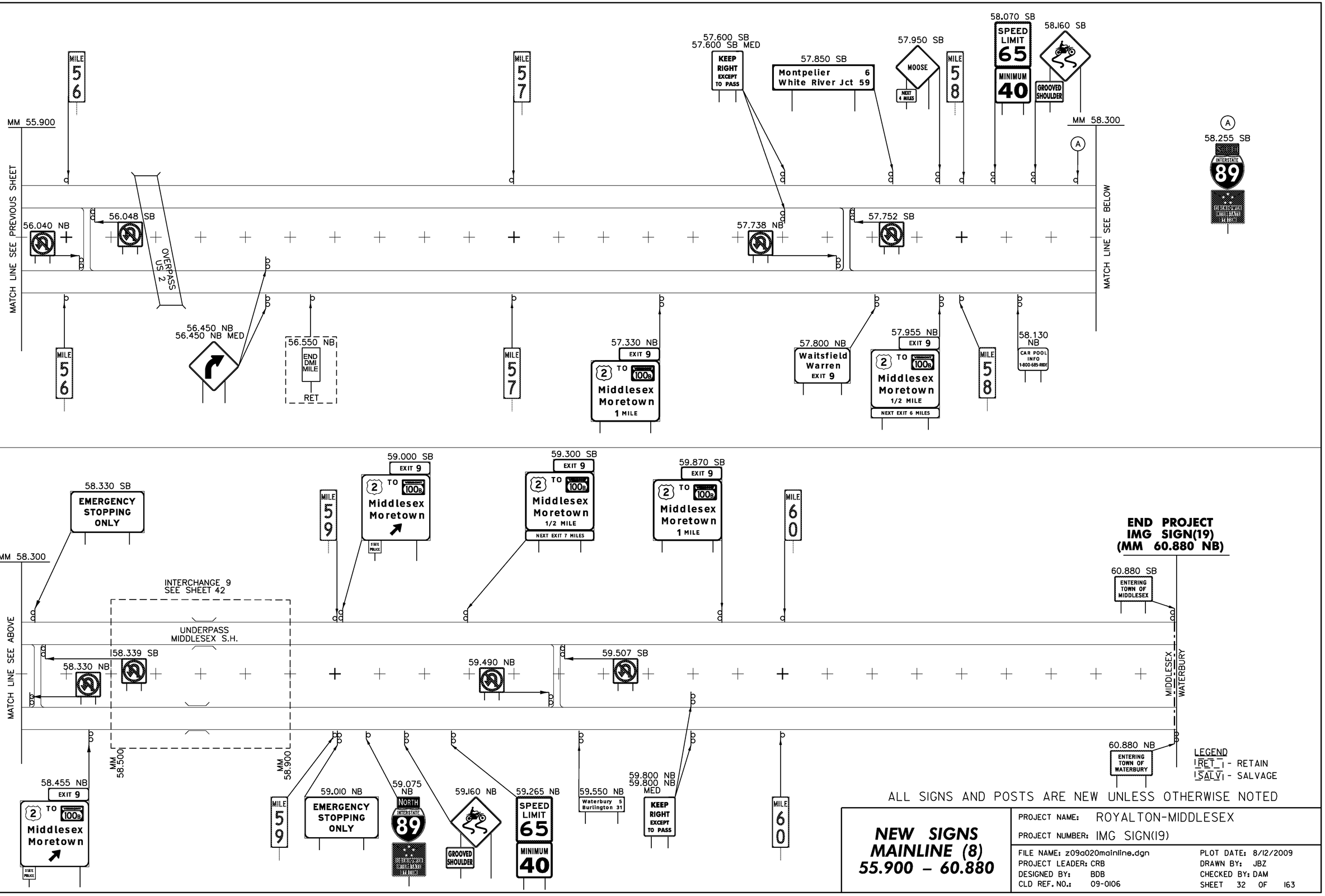
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

**NEW SIGNS MAINLINE (7)**
**50.680 – 55.900**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 31 OF 163

MODEL: 07-New

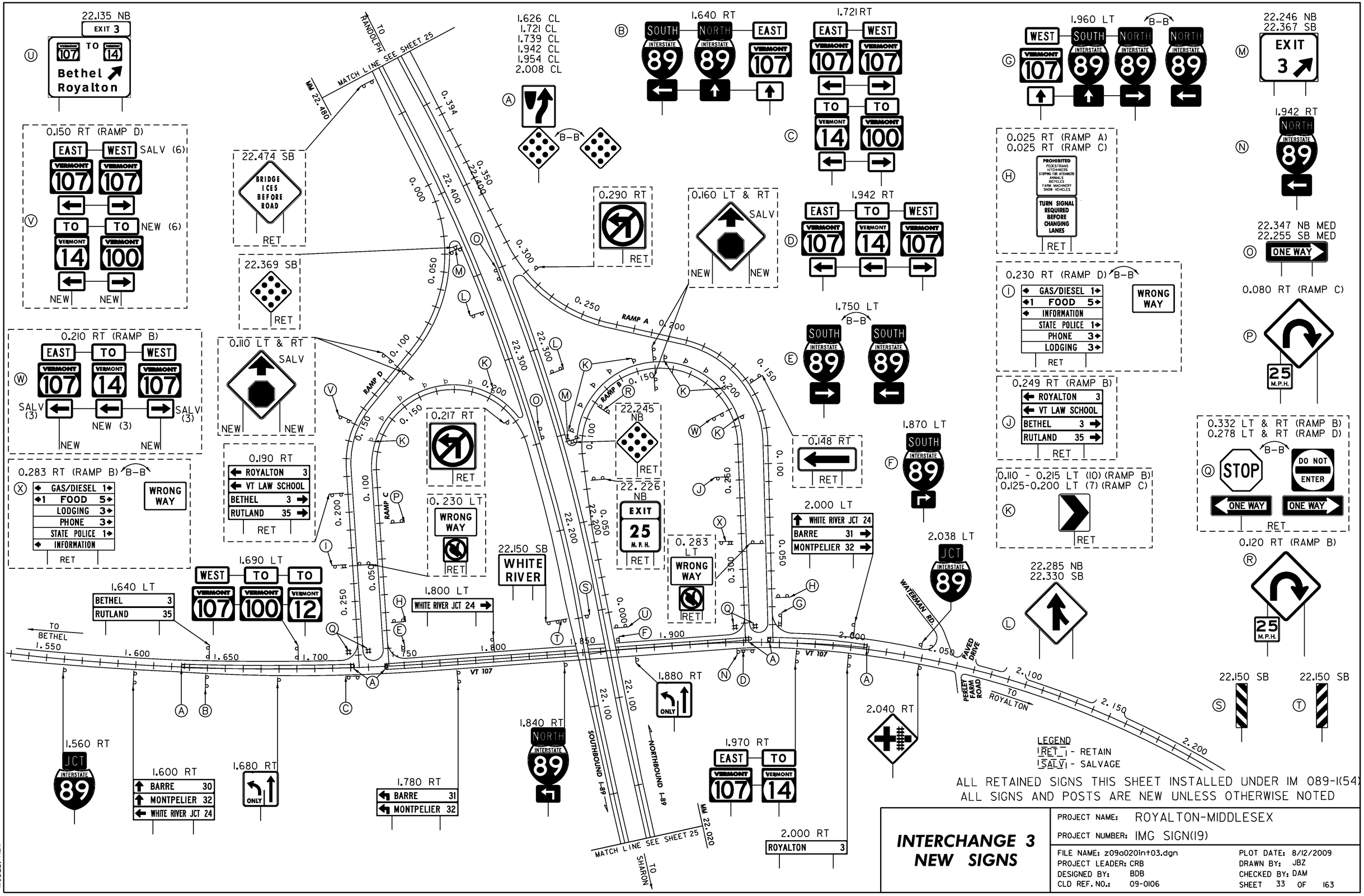


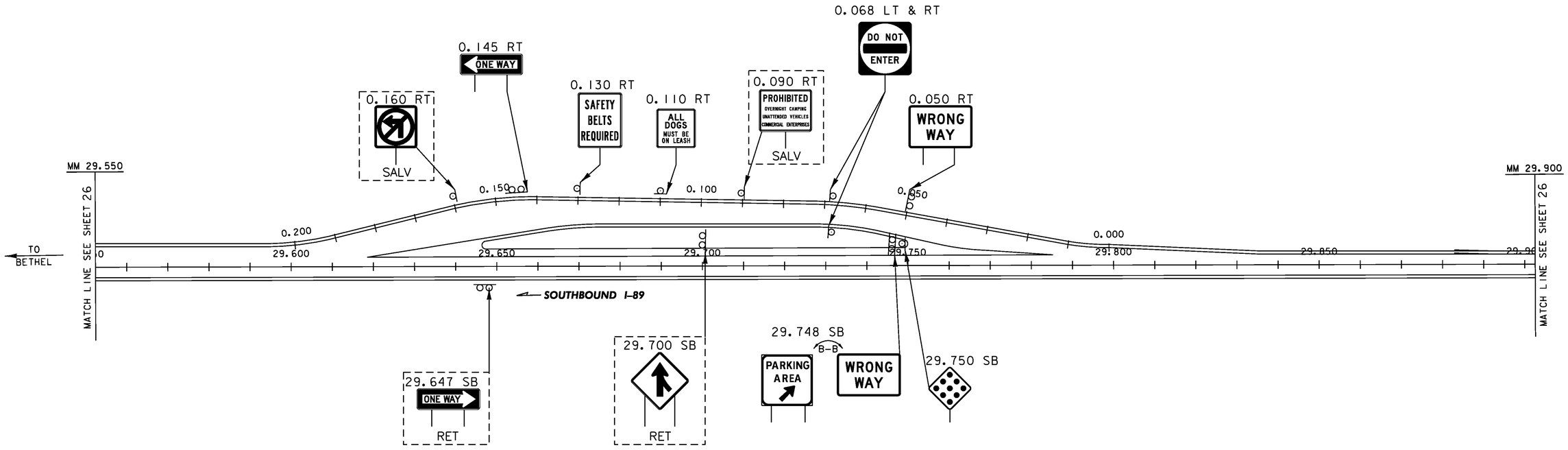

**NEW SIGNS MAINLINE (8) 55.900 – 60.880**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 32 OF 163

MODEL: 08-New


22.135 NB
EXIT 3
TO
VERMONT 107
VERMONT 14
Bethel
Royalton
U
0.150 RT (RAMP D)
EAST
WEST
SALV (6)
VERMONT 107
VERMONT 107
V
TO
TO
NEW (6)
VERMONT 14
VERMONT 100
NEW
NEW
0.210 RT (RAMP B)
EAST
TO
WEST
VERMONT 107
VERMONT 14
VERMONT 107
W
SALV (3)
NEW (3)
SALV (3)
NEW
NEW
0.283 RT (RAMP B) B–B
X
GAS/DIESEL 1
FOOD 5
LODGING 3
PHONE 3
STATE POLICE 1
INFORMATION
WRONG WAY
RET
1.560 RT
JCT
INTERSTATE 89
1.640 LT
BETHEL 3
RUTLAND 35
1.600 RT
BARRE 30
MONTPELIER 32
WHITE RIVER JCT 24
1.690 LT
WEST
TO
TO
VERMONT 107
VERMONT 100
VERMONT 12
TO BETHEL
1.550
1.600
1.650
1.700
1.680 RT
ONLY
1.750
1.800
1.780 RT
BARRE 31
MONTPELIER 32
1.800 LT
WHITE RIVER JCT 24
1.840 RT
NORTH
INTERSTATE 89
SOUTHBOUND I-89
NORTHBOUND I-89
22.150 SB
WHITE RIVER
22.100
22.200
22.300
22.400
22.369 SB
RET
22.474 SB
BRIDGE ICES BEFORE ROAD
RET
MM 22.480
MATCH LINE SEE SHEET 25
TO RANDOLPH
0.394
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
RAMP A
RAMP B
RAMP C
RAMP D
0.110 LT & RT
SALV
NEW
NEW
0.190 RT
ROYALTON 3
VT LAW SCHOOL
BETHEL 3
RUTLAND 35
RET
0.217 RT
RET
0.230 LT
WRONG WAY
RET
22.245 NB
RET
22.226 NB
EXIT 25 M.P.H.
RET
1.626 CL
1.721 CL
1.739 CL
1.942 CL
1.954 CL
2.008 CL
A
B–B
1.640 RT
SOUTH
NORTH
EAST
INTERSTATE 89
INTERSTATE 89
VERMONT 107
B
1.721 RT
EAST
WEST
VERMONT 107
VERMONT 107
TO
TO
VERMONT 14
VERMONT 100
C
0.290 RT
RET
0.160 LT & RT
SALV
NEW
NEW
1.942 RT
EAST
TO
WEST
VERMONT 107
VERMONT 14
VERMONT 107
D
1.750 LT
B–B
SOUTH
SOUTH
INTERSTATE 89
INTERSTATE 89
E
0.148 RT
RET
0.283 LT
WRONG WAY
RET
2.000 LT
WHITE RIVER JCT 24
BARRE 31
MONTPELIER 32
1.870 LT
SOUTH
INTERSTATE 89
F
2.000 RT
ROYALTON 3
1.900
1.880 RT
ONLY
1.970 RT
EAST
TO
VERMONT 107
VERMONT 14
2.038 LT
JCT
INTERSTATE 89
WATERMAN RD.
2.000
2.050
2.040 RT
FAVED DRIVE
PERLEY FARM ROAD
2.100
TO ROYALTON
2.150
2.200
VT 107
1.960 LT
B–B
WEST
SOUTH
NORTH
NORTH
VERMONT 107
INTERSTATE 89
INTERSTATE 89
INTERSTATE 89
G
0.025 RT (RAMP A)
0.025 RT (RAMP C)
H
PROHIBITED
PEDESTRIANS
HITCHHIKERS
STOPPING FOR HITCHHIKERS
ANIMALS
BICYCLES
FARM MACHINERY
SNOW VEHICLES
TURN SIGNAL REQUIRED BEFORE CHANGING LANES
RET
0.230 RT (RAMP D) B–B
I
GAS/DIESEL 1
FOOD 5
INFORMATION
STATE POLICE 1
PHONE 3
LODGING 3
WRONG WAY
RET
0.249 RT (RAMP B)
J
ROYALTON 3
VT LAW SCHOOL
BETHEL 3
RUTLAND 35
RET
0.110 - 0.215 LT (10) (RAMP B)
0.125-0.200 LT (7) (RAMP C)
K
RET
22.285 NB
22.330 SB
L
22.246 NB
22.367 SB
M
EXIT 3
1.942 RT
NORTH
INTERSTATE 89
N
22.347 NB MED
22.255 SB MED
O
ONE WAY
0.080 RT (RAMP C)
P
25 M.P.H.
0.332 LT & RT (RAMP B)
0.278 LT & RT (RAMP D)
B–B
Q
STOP
DO NOT ENTER
ONE WAY
ONE WAY
RET
0.120 RT (RAMP B)
R
25 M.P.H.
22.150 SB
S
22.150 SB
T
LEGEND
RET - RETAIN
SALV - SALVAGE
ALL RETAINED SIGNS THIS SHEET INSTALLED UNDER IM 089-1(54)
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED
INTERCHANGE 3
NEW SIGNS
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)
FILE NAME: z09a020int03.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 33 OF 163
MODEL: NEW




LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

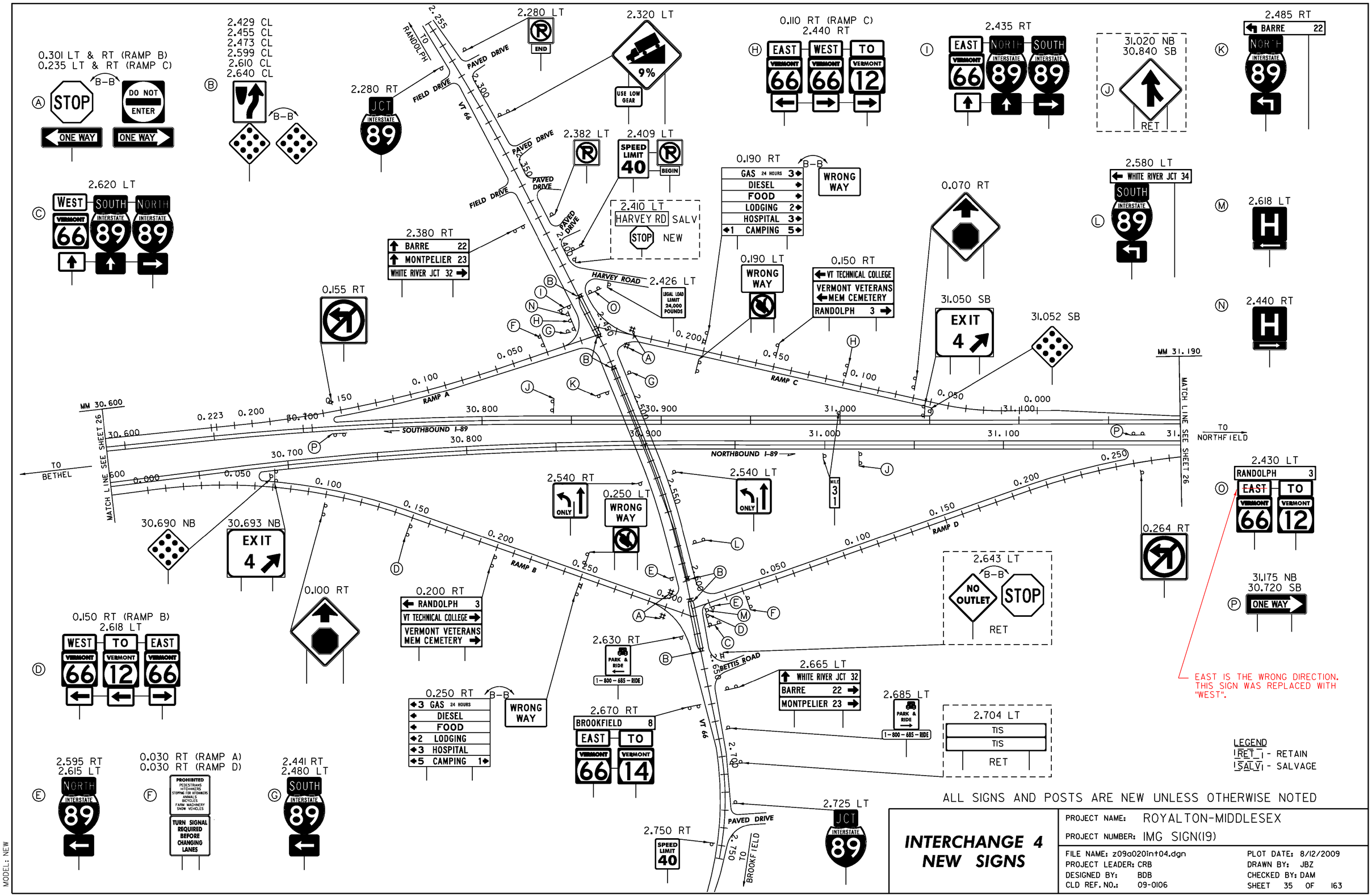
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

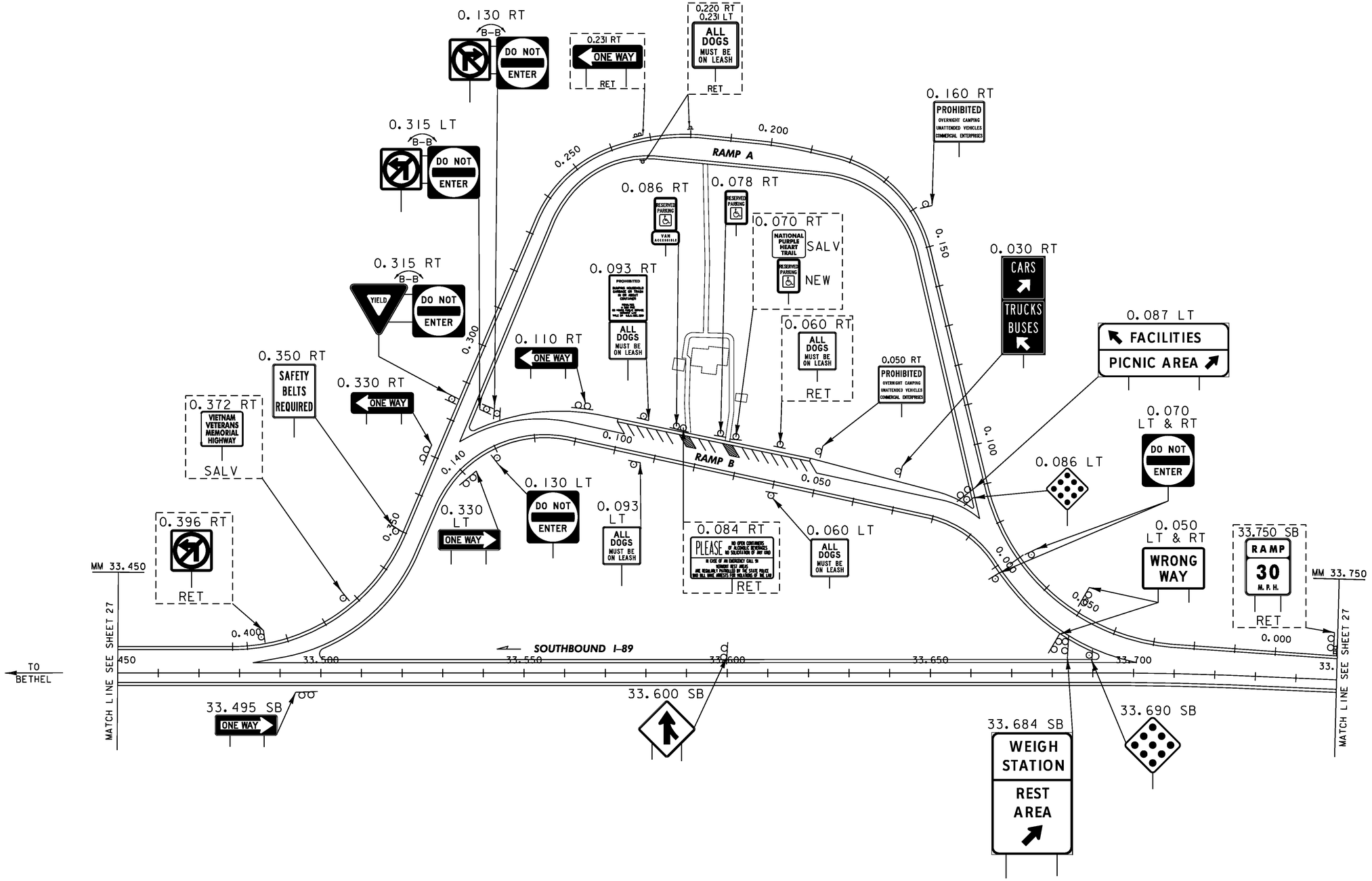
**PARKING AREA**
**RANDOLPH – SB**
**NEW SIGNS**
**MM 29.675**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-SB(29_70).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 34 OF 163

MODEL: NEW


0.301 LT & RT (RAMP B)
0.235 LT & RT (RAMP C)
A
B-B
STOP
ONE WAY
DO NOT ENTER
ONE WAY
2.429 CL
2.455 CL
2.473 CL
2.599 CL
2.610 CL
2.640 CL
B
B-B
2.620 LT
C
WEST VERMONT 66
SOUTH INTERSTATE 89
NORTH INTERSTATE 89
2.255 TO RANDOLPH
2.280 LT
END
2.280 RT
JCT INTERSTATE 89
PAVED DRIVE
FIELD DRIVE
VT 66
0.300
2.320 LT
9%
USE LOW GEAR
2.350
PAVED DRIVE
2.382 LT
2.409 LT
SPEED LIMIT 40
BEGIN
FIELD DRIVE
PAVED DRIVE
2.400
2.410 LT
HARVEY RD SALV
STOP NEW
2.380 RT
BARRE 22
MONTPELIER 23
WHITE RIVER JCT 32
HARVEY ROAD
2.426 LT
LEGAL LOAD LIMIT 24,000 POUNDS
0.155 RT
2.450
0.200
0.050
0.100
RAMP A
0.150
0.100
0.950
RAMP C
0.100
0.050
0.000
0.110 RT (RAMP C)
2.440 RT
H
EAST VERMONT 66
WEST VERMONT 66
TO VERMONT 12
0.190 RT
B-B
WRONG WAY
GAS 24 HOURS 3
DIESEL
FOOD
LODGING 2
HOSPITAL 3
1 CAMPING 5
0.190 LT
WRONG WAY
0.150 RT
VT TECHNICAL COLLEGE
VERMONT VETERANS MEM CEMETERY
RANDOLPH 3
0.070 RT
31.050 SB
EXIT 4
31.052 SB
I
EAST VERMONT 66
NORTH INTERSTATE 89
SOUTH INTERSTATE 89
31.020 NB
30.840 SB
J
RET
2.435 RT
K
BARRE 22
NORTH INTERSTATE 89
2.485 RT
2.580 LT
WHITE RIVER JCT 34
L
SOUTH INTERSTATE 89
M
2.618 LT
H
N
2.440 RT
H
MM 30.600
MM 31.190
MATCH LINE SEE SHEET 26
MATCH LINE SEE SHEET 32
SOUTHBOUND I-89
NORTHBOUND I-89
30.600
30.700
30.800
30.900
31.000
31.100
TO BETHEL
TO NORTHFIELD
0.223
0.200
80.100
0.000
0.050
0.100
0.150
0.200
0.250
0.100
0.150
0.200
RAMP B
0.250
0.300
0.050
0.100
RAMP D
0.150
0.200
2.500
2.550
2.600
2.650
2.700
2.750
30.690 NB
30.693 NB
EXIT 4
0.100 RT
0.200 RT
RANDOLPH 3
VT TECHNICAL COLLEGE
VERMONT VETERANS MEM CEMETERY
2.540 RT
ONLY
0.250 LT
WRONG WAY
2.540 LT
ONLY
MILE 31
0.264 RT
2.643 LT
B-B
NO OUTLET
STOP
RET
2.430 LT
O
RANDOLPH 3
EAST VERMONT 66
TO VERMONT 12
31.175 NB
30.720 SB
P
ONE WAY
EAST IS THE WRONG DIRECTION. THIS SIGN WAS REPLACED WITH "WEST".
0.150 RT (RAMP B)
2.618 LT
D
WEST VERMONT 66
TO VERMONT 12
EAST VERMONT 66
0.250 RT
B-B
3 GAS 24 HOURS
DIESEL
FOOD
2 LODGING
3 HOSPITAL
5 CAMPING 1
WRONG WAY
2.630 RT
PARK & RIDE
1-800-685-RIDE
2.670 RT
BROOKFIELD 8
EAST VERMONT 66
TO VERMONT 14
GIBBETTS ROAD
2.665 LT
WHITE RIVER JCT 32
BARRE 22
MONTPELIER 23
2.685 LT
PARK & RIDE
1-800-685-RIDE
2.704 LT
TIS
TIS
RET
2.595 RT
2.615 LT
E
NORTH INTERSTATE 89
0.030 RT (RAMP A)
0.030 RT (RAMP D)
F
PROHIBITED
PEDESTRIANS
HITCHHIKERS
STOPPING FOR HITCHIKERS
ANIMALS
BICYCLES
FARM MACHINERY
SNOW VEHICLES
TURN SIGNAL REQUIRED BEFORE CHANGING LANES
2.441 RT
2.480 LT
G
SOUTH INTERSTATE 89
2.750 RT
SPEED LIMIT 40
PAVED DRIVE
2.750
TO BROOKFIELD
2.725 LT
JCT INTERSTATE 89
LEGEND
RET - RETAIN
SALV - SALVAGE
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED
INTERCHANGE 4
NEW SIGNS
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)
FILE NAME: z09a0201nt04.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 35 OF 163
MODEL: NEW




LEGEND
[RET ] - RETAIN
[SALV] - SALVAGE

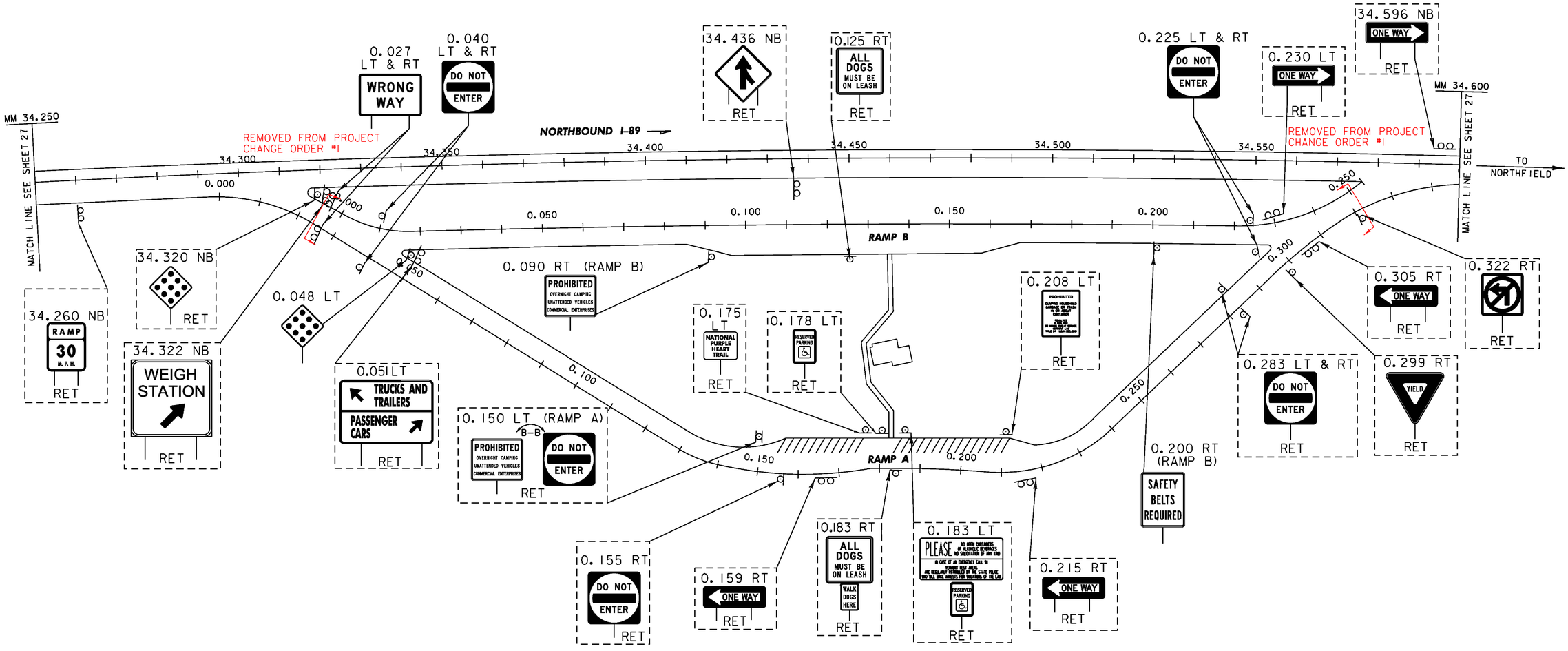
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

**REST AREA**
**RANDOLPH – SB**
**NEW SIGNS**
**MM 33.600**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-SB(34).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 36 OF 163

MODEL: NEW




LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

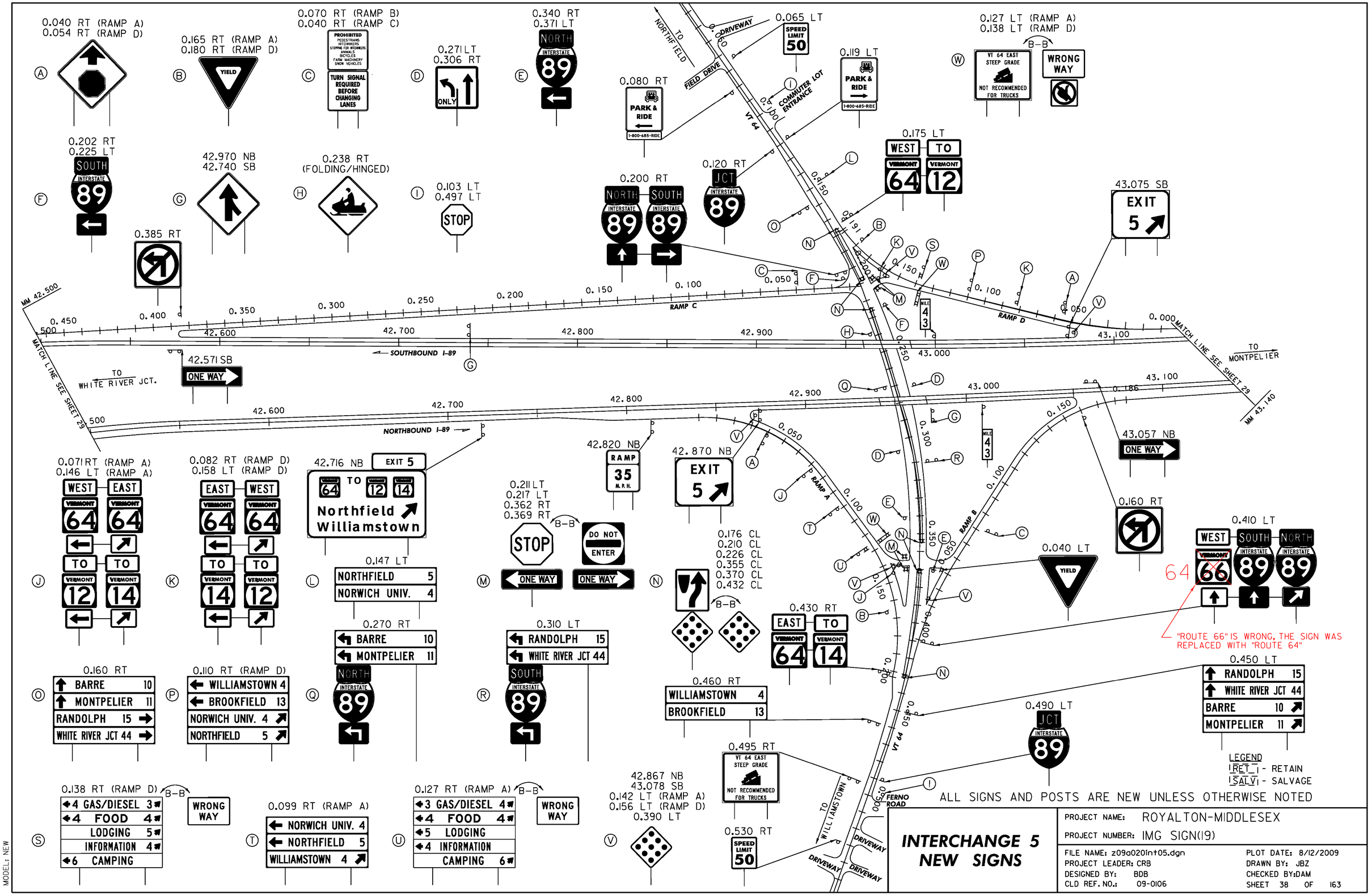
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

**REST AREA**
**RANDOLPH – NB**
**NEW SIGNS**
**MM 34.450**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-NB(34).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 37 OF 163

MODEL: NEW

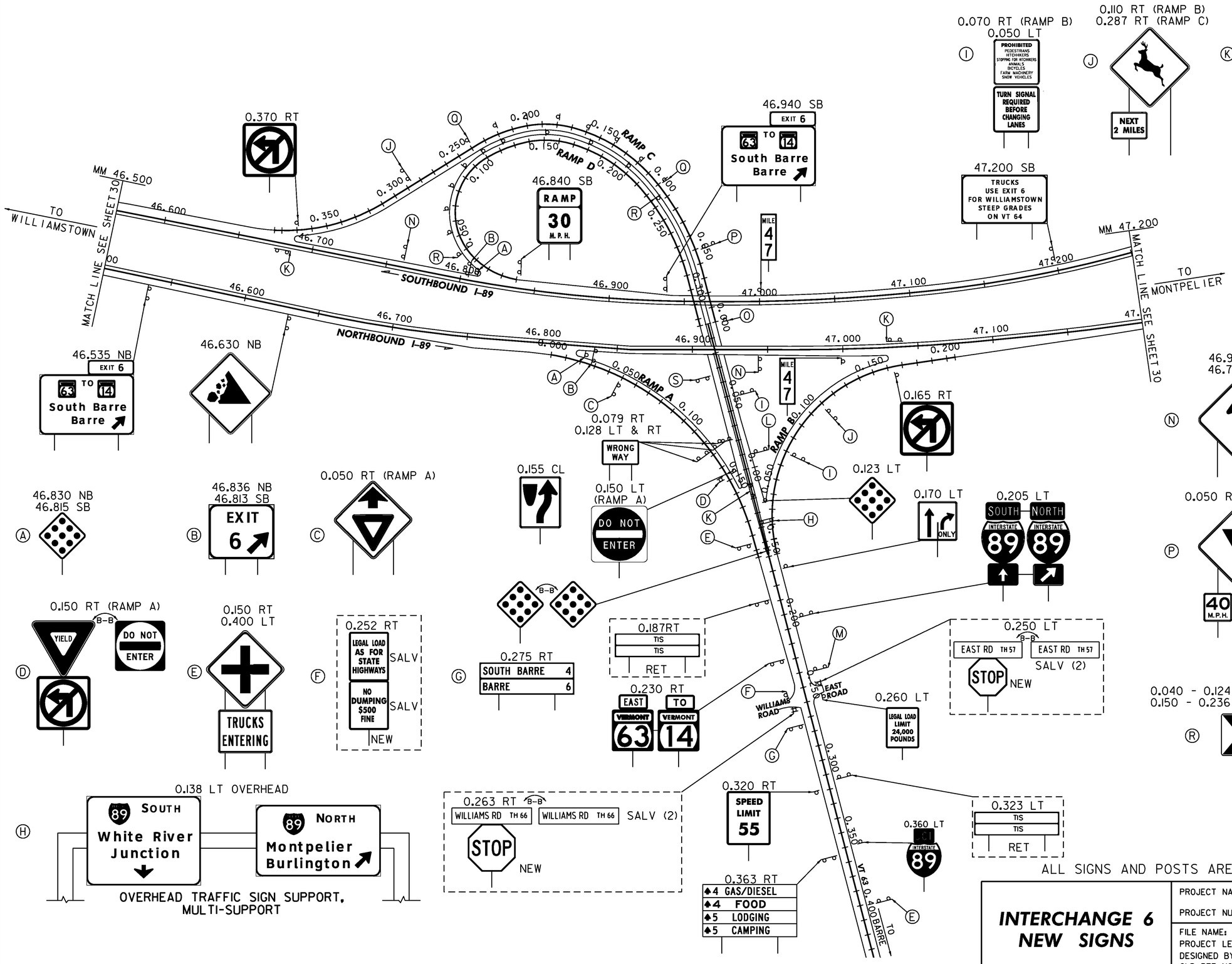



**INTERCHANGE 5 NEW SIGNS**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int05.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 38 OF 163

MODEL: NEW




# INTERCHANGE 6 NEW SIGNS

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a0201nt06.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 39 OF 163

MODEL: NEW

0.468 CL
0.484 CL

Ⓐ

Ⓑ 0.478 RT
0.492 LT B–B
PAINE TRPK N TH1 | PAINE TRPK N TH1
RET

Ⓒ 0.475 LT
TO INTERSTATE 89

Ⓓ 0.230 LT
SOUTH INTERSTATE 89 | NORTH INTERSTATE 89

Ⓔ 0.260 RT
GAS/DIESEL 24 HOURS
3 FOOD
1 LODGING
1 INFORMATION
1 HOSPITAL
H

Ⓕ 0.220 RT
AIRPORT 3
BARRE 5
BERLIN CORNERS
PARK & RIDE

Ⓖ 0.115 LT OVERHEAD
SOUTH 89 White River Junction
NORTH 89 Montpelier Burlington
OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT

0.150 RT
40 M.P.H.

50.110 SB
SOUTH INTERSTATE 89
EISENHOWER INTERSTATE SYSTEM

50.185 SB
EMERGENCY STOPPING ONLY

50.605 SB
EXIT 7

50.606 SB

MM 50.680

50.020

SOUTHBOUND I-89

RAMP D
RAMP C

TO WILLIAMSTOWN

MATCH LINE SEE SHEET 30

TO MONTPELIER

NORTHBOUND I-89

50.123 NB

50.060 NB
RAMP 35 M.P.H.

50.126 NB
EXIT 7

0.050 RT

RAMP A
RAMP B

50.504 NB
5%
RET

50.650 NB
EMERGENCY STOPPING ONLY

0.170 RT

0.320 RT
SPEED LIMIT 50

0.350 RT

0.100 LT

0.220 RT

0.350 LT
JCT INTERSTATE 89

0.380 RT
EAST TO VERMONT 62 302

0.180 RT
EAST TO VERMONT 62 302

0.410 RT
ONLY ONLY

0.140 LT
PROHIBITED
PEDESTRIANS
HITCHHIKERS
STOPPING FOR HITCHHIKERS
ANIMALS
BICYCLES
FARM MACHINERY
SNOW VEHICLES
TURN SIGNAL REQUIRED BEFORE CHANGING LANES

0.178 LT
ONLY

0.489 RT
ONLY
RET

PAINE TURNPIKE

0.477 LT
EAST TO VERMONT 62 INTERSTATE 89

0.290 RT & CL

0.270 LT
WHITE RIVER JCT 52
MONTPELIER 4
BURLINGTON 40

VT 62

MATCH LINE SEE THIS SHEET

TO BARRE

0.030 RT (RAMP D)
35 M.P.H.

0.000 LT
END VERMONT 62

0.104 - 0.230 LT (10) (RAMP D)

0.230 RT (RAMP B)
0.255 RT (RAMP D)

50.405 NB
50.400 SB
0.145 CL
ONE WAY

50.310 NB
50.500 SB

LEGEND
RET - RETAIN
SALV - SALVAGE

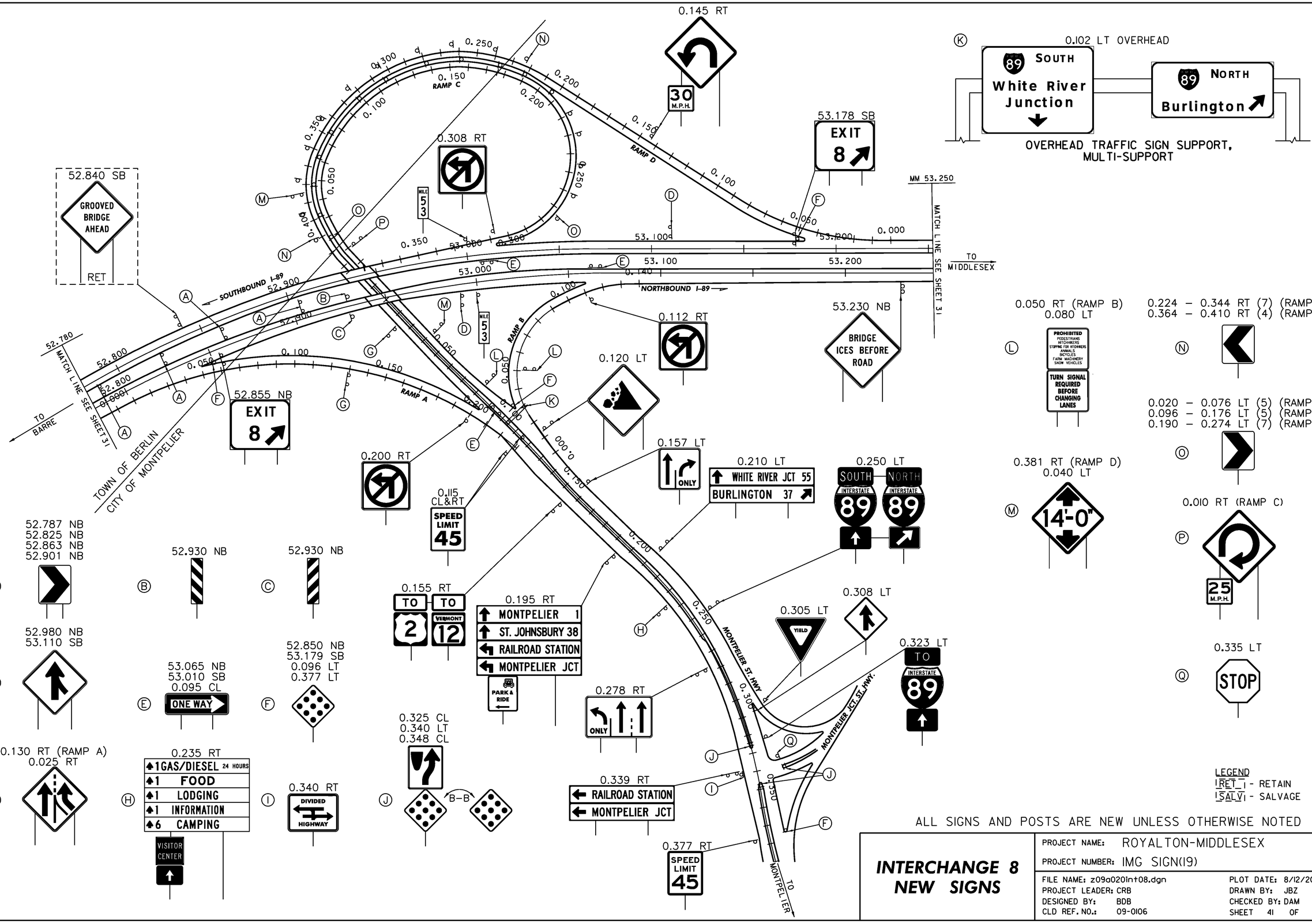
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

MODEL: NEW

**INTERCHANGE 7 NEW SIGNS**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int07.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 40 OF 163




LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

**INTERCHANGE 8 NEW SIGNS**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int08.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 41 OF 163

MODEL: NEW

Ⓐ 58.598 NB
58.850 SB
0.004 RT
0.007 LT

Ⓑ 58.604 NB
58.846 SB
EXIT 9

Ⓒ 0.075 RT (RAMP B)
0.125 LT
TO 2 TO VERMONT 100B

Ⓓ 0.105 LT (RAMP B)
0.110 LT (RAMP D)
WRONG WAY

Ⓔ 0.135 LT & RT (RAMP B)
0.150 LT & RT (RAMP D)
B–B
STOP
ONE WAY
DO NOT ENTER
ONE WAY

Ⓕ 0.030 RT (RAMP A)
0.030 RT (RAMP C)
PROHIBITED
PEDESTRIANS
HITCHHIKERS
STOPPING FOR WORKERS
ANIMALS
BICYCLES
FARM MACHINERY
SNOW VEHICLES
TURN SIGNAL REQUIRED BEFORE CHANGING LANES

Ⓖ 0.072 RT (RAMP D)
0.050 RT
TO 2 TO VERMONT 100B

Ⓗ 0.178 RT
CENTER ROAD
OVERWEIGHT PERMIT REQUIRED FOR ALL TRUCKS
RET

Ⓘ 0.166 RT
LEGAL LOAD LIMIT 24,000 POUNDS

0.040 RT
WATERBURY 6
BURLINGTON 32
MONTPELIER 7
WHITE RIVER JCT 60
NORTH INTERSTATE 89
SOUTH INTERSTATE 89

0.000 RT
MIDDLESEX 1
MORETOWN 8
WAITSFIELD 14
WARREN 20
EAST TO WEST
VERMONT 100B
2 2

0.000 LT
WATERBURY 6
STATE POLICE

0.040 LT
EAST TO WEST
VERMONT 100B
2 2

0.110 RT
B–B
MIDDLESEX 1
MORETOWN 8
STATE POLICE
WRONG WAY

Ⓙ 0.125 LT
SOUTH INTERSTATE 89
TO 2
NORTH INTERSTATE 89

Ⓚ 0.106 RT
WATERBURY 6
BURLINGTON 32
NORTH INTERSTATE 89

Ⓛ 0.100 LT
MONTPELIER 7
WHITE RIVER JCT 60
SOUTH INTERSTATE 89

0.050 RT
SOUTH INTERSTATE 89

0.115 RT

0.034 RT

Ⓜ 0.003 LT
0.014 RT
YIELD

Ⓝ 0.003 LT
STOP

Ⓞ 58.795 NB
58.585 SB
ONE WAY

Ⓟ 58.715 NB
58.690 SB

Ⓠ 58.810 SB
BRIDGE ICES BEFORE ROAD

58.530 NB
BRIDGE ICES BEFORE ROAD

0.045 RT

0.125 LT
NORTH INTERSTATE 89

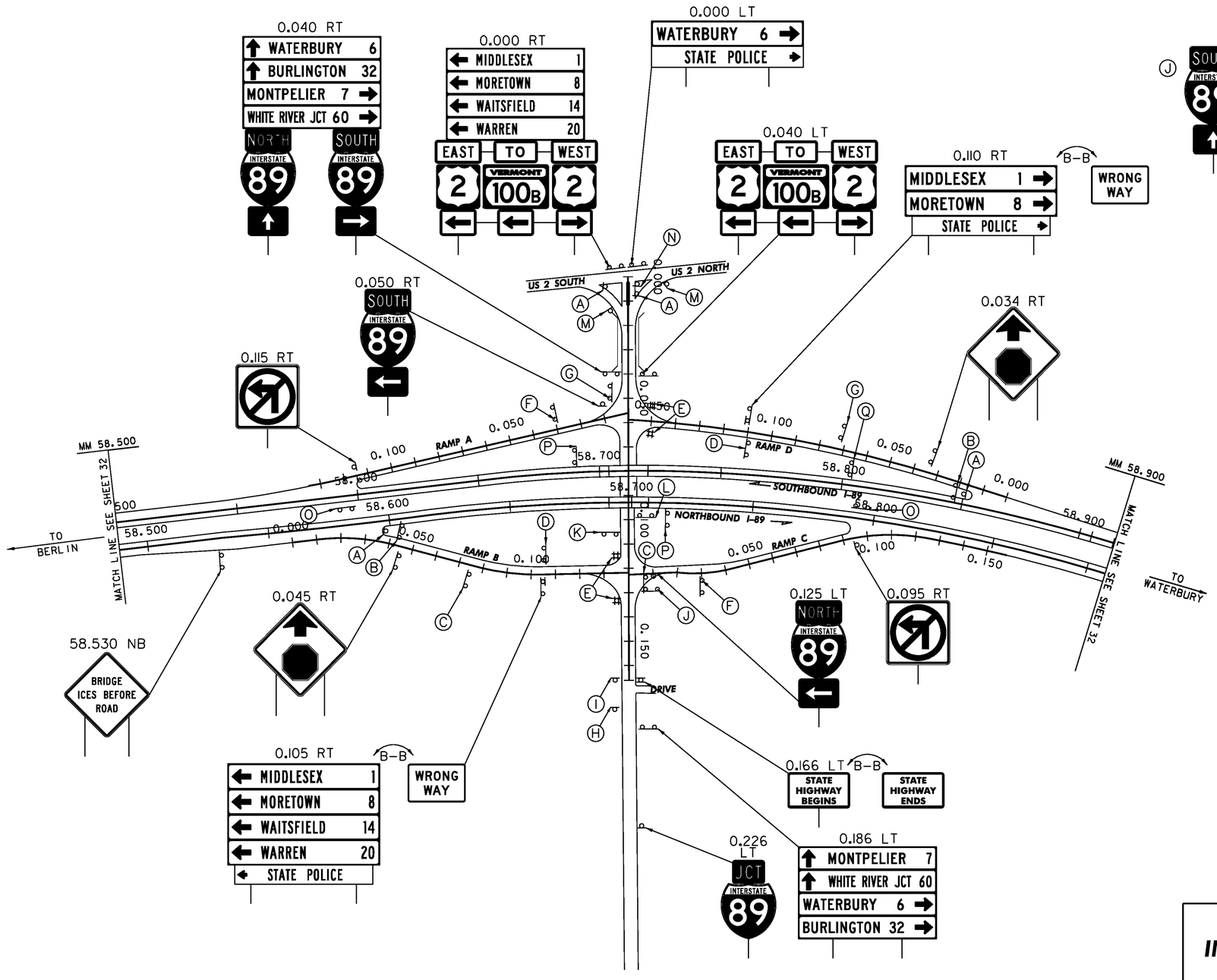
0.095 RT

0.105 RT
B–B
MIDDLESEX 1
MORETOWN 8
WAITSFIELD 14
WARREN 20
STATE POLICE
WRONG WAY

0.166 LT
B–B
STATE HIGHWAY BEGINS
STATE HIGHWAY ENDS

0.226 LT
JCT INTERSTATE 89

0.186 LT
MONTPELIER 7
WHITE RIVER JCT 60
WATERBURY 6
BURLINGTON 32




LEGEND
RET - RETAIN
SALV - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

**INTERCHANGE 9 NEW SIGNS**

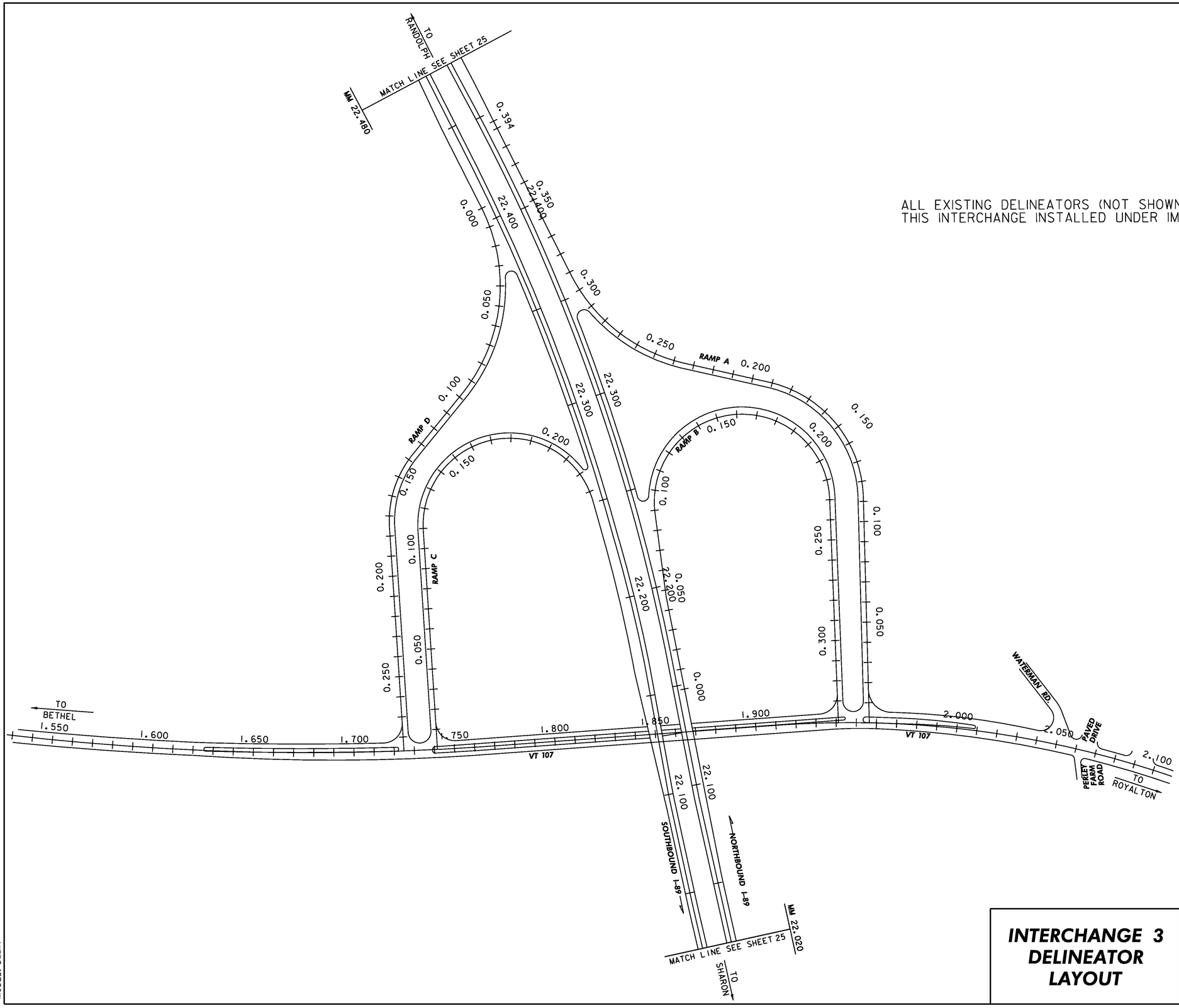
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int09.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 42 OF 163

MODEL: NEW

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.

ALL EXISTING DELINEATORS (NOT SHOWN) ON THE INTERCHANGE RAMPS AT THIS INTERCHANGE INSTALLED UNDER IM 089-1(54) ARE TO BE RETAINED.



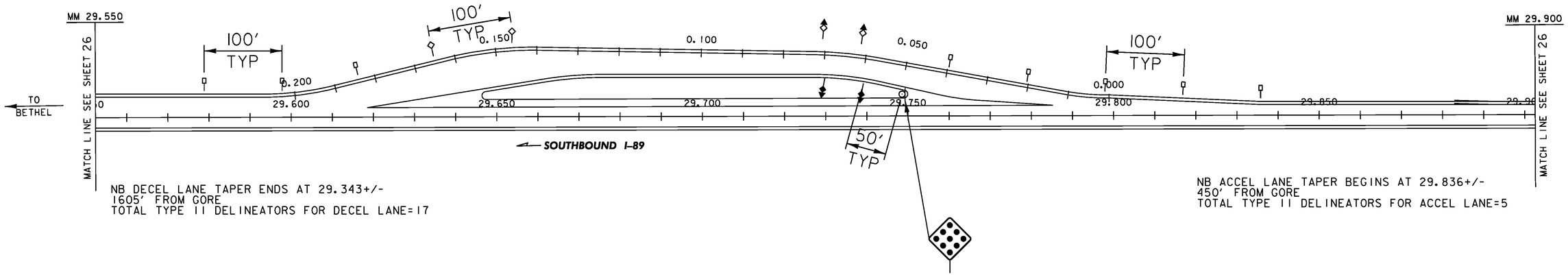

MODEL: DELIN

**INTERCHANGE 3 DELINEATOR LAYOUT**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int03.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 43 OF 163

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.




LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

**REST AREA**
**RANDOLPH – SB**
**DELINEATOR**
**LAYOUT**
**MM 29.675**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-SB(29_70).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 44 OF 163

MODEL: DELIN

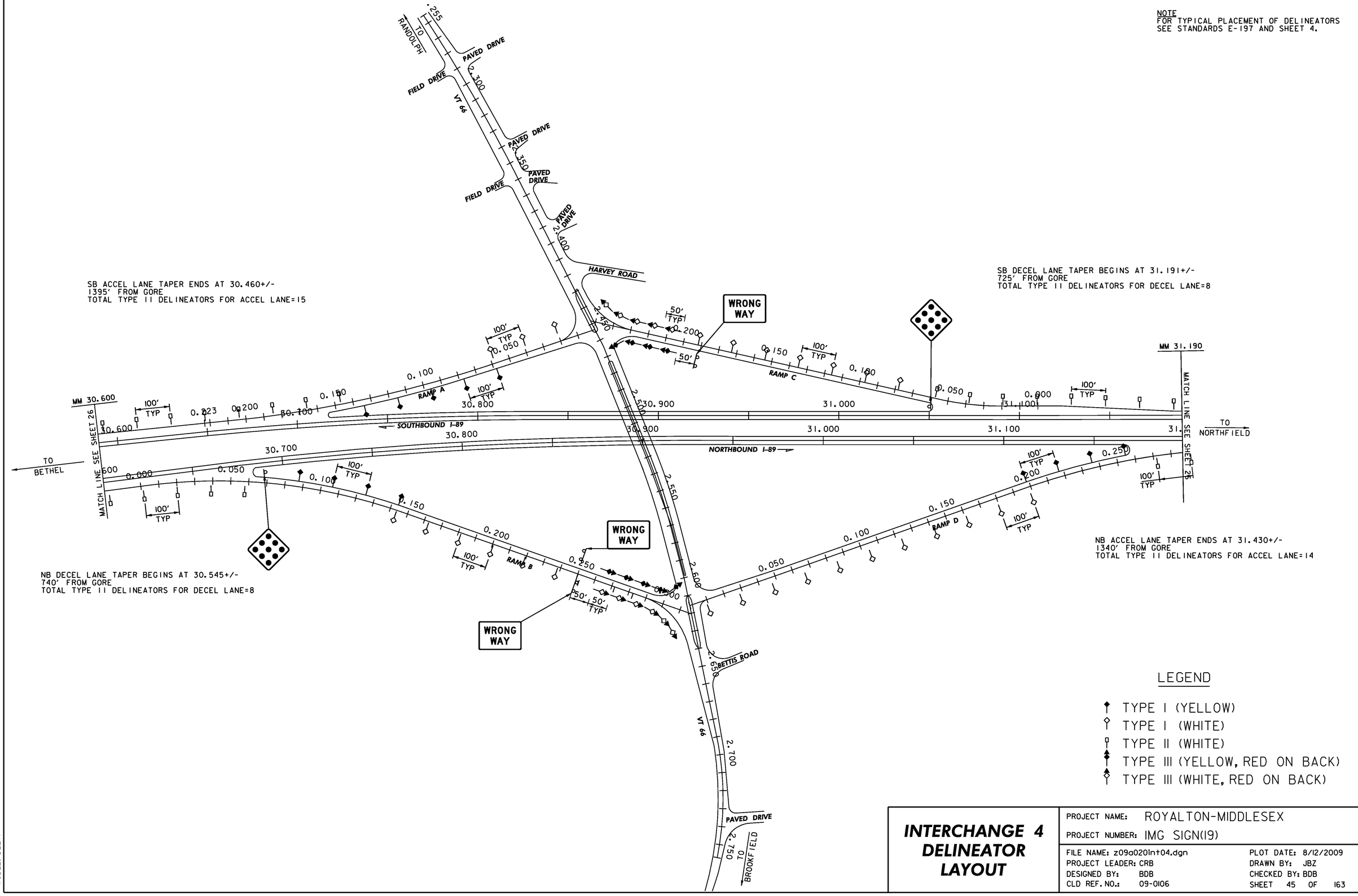
NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.

SB ACCEL LANE TAPER ENDS AT 30.460+/-
1395' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=15

SB DECEL LANE TAPER BEGINS AT 31.191+/-
725' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=8

NB DECEL LANE TAPER BEGINS AT 30.545+/-
740' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=8

NB ACCEL LANE TAPER ENDS AT 31.430+/-
1340' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=14




LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

**INTERCHANGE 4 DELINEATOR LAYOUT**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

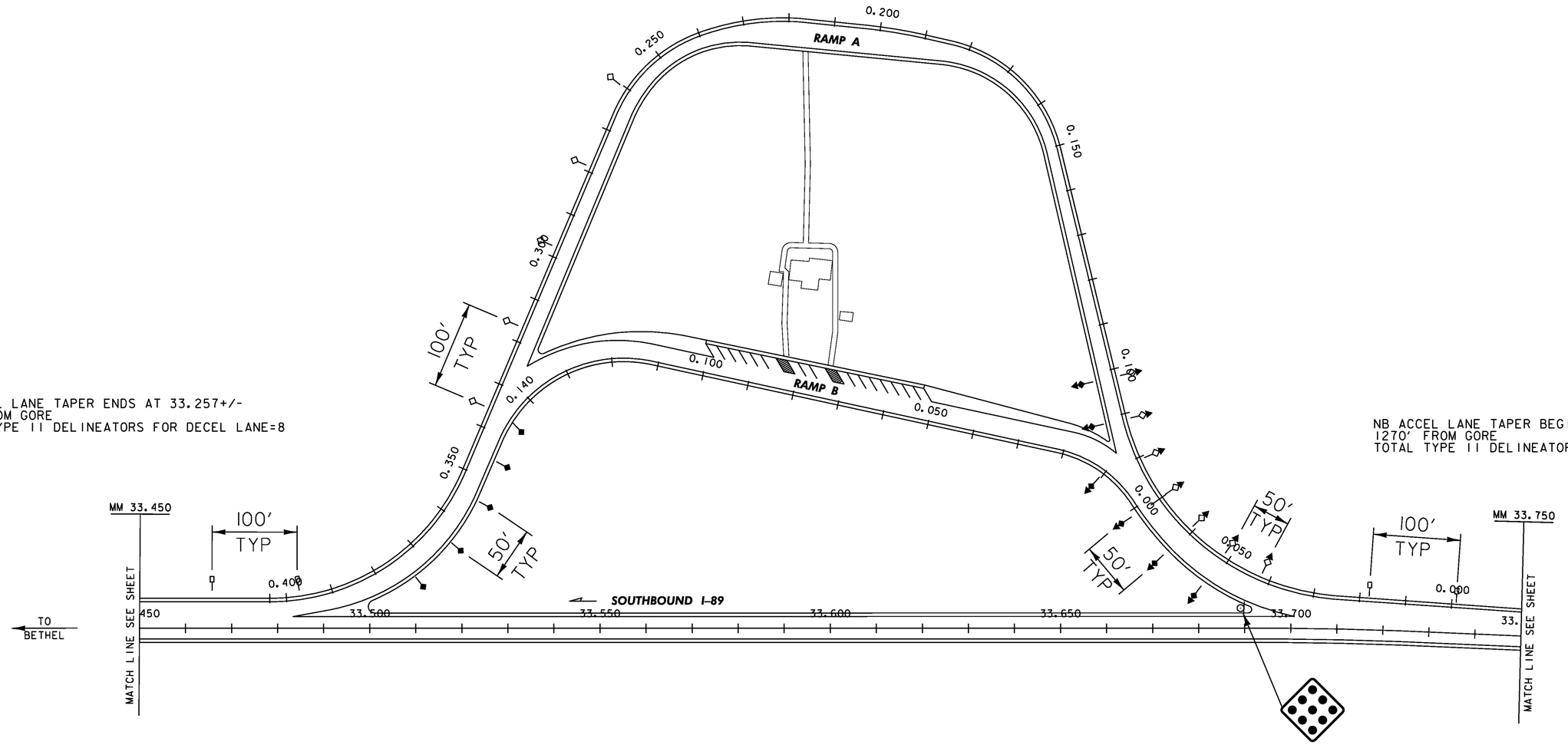
FILE NAME: z09a020int04.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 45 OF 163

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.

NB DECEL LANE TAPER ENDS AT 33.257+/-
740' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=8

NB ACCEL LANE TAPER BEGINS AT 33.830+/-
1270' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=13




LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

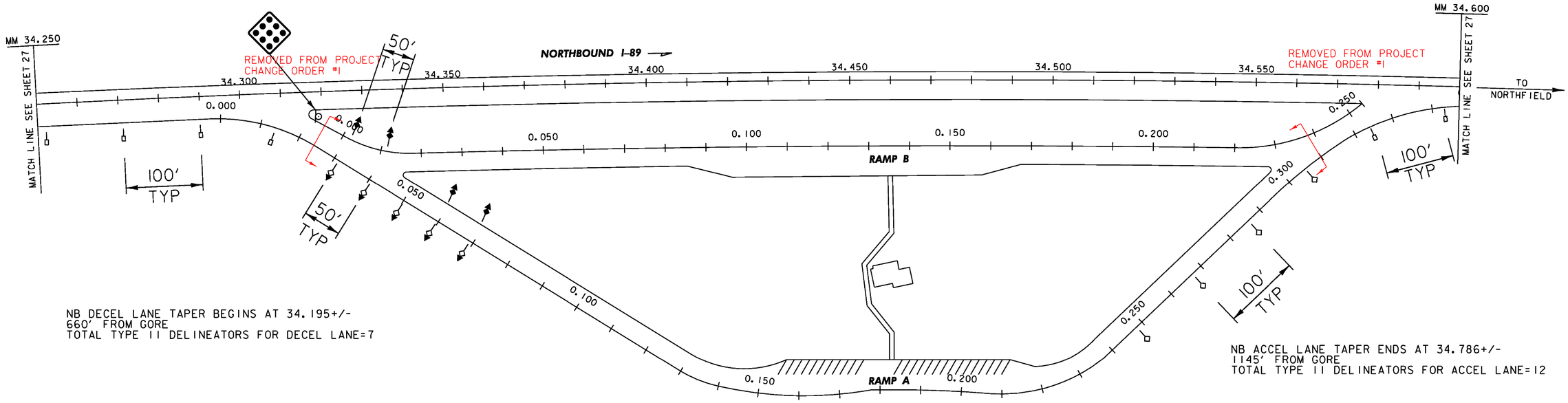
**REST AREA**
**RANDOLPH – SB**
**DELINEATOR**
**LAYOUT**
**MM 33.600**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-SB(34).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 46 OF 163

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.




NB DECEL LANE TAPER BEGINS AT 34.195+/-
660' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=7

NB ACCEL LANE TAPER ENDS AT 34.786+/-
1145' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=12

LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

**REST AREA**
**RANDOLPH – NB**
**DELINEATOR**
**LAYOUT**
**MM 34.450**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020rest-NB(34).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 47 OF 163

MODEL: DELIN

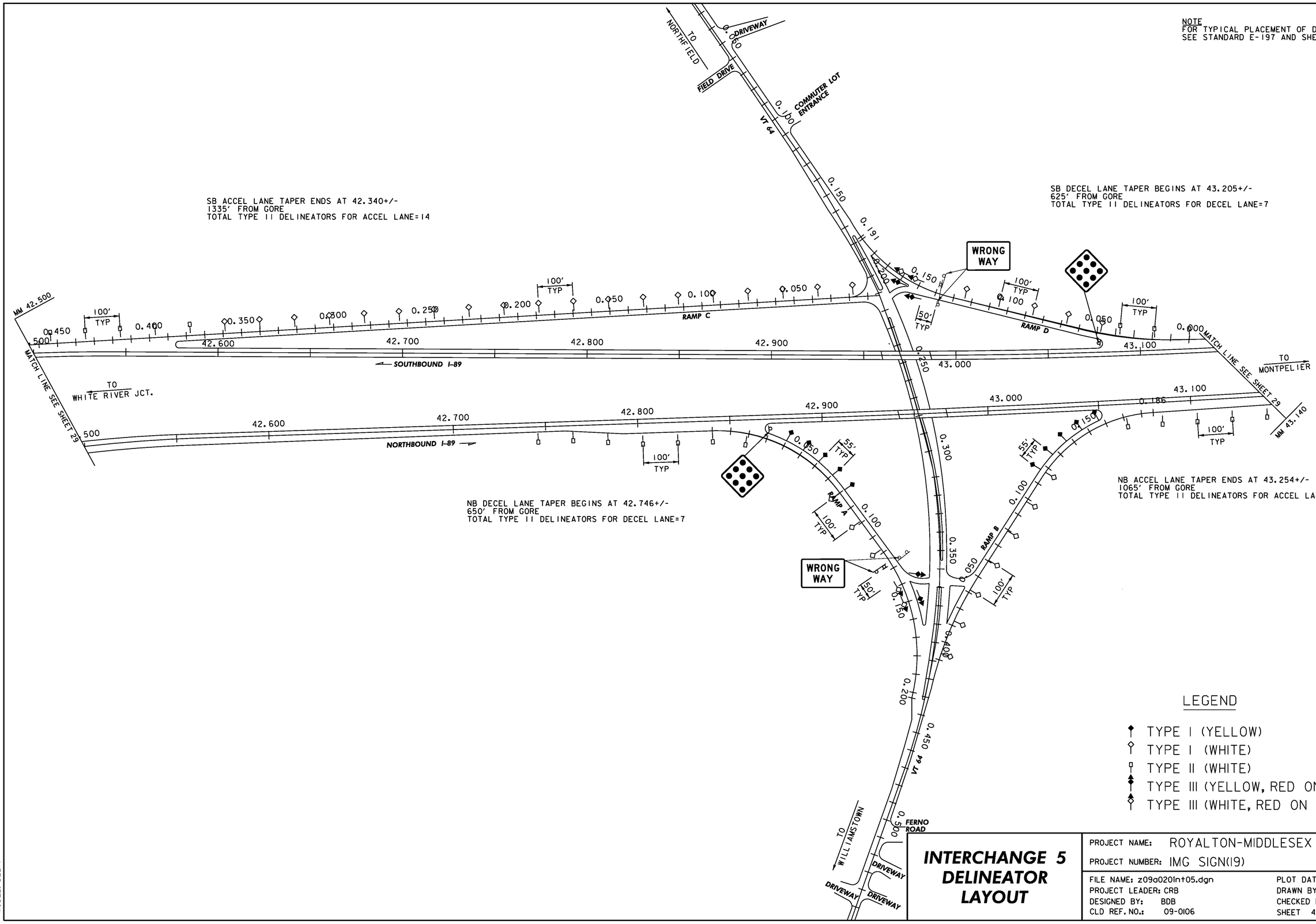
NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARD E-197 AND SHEET 4.

SB ACCEL LANE TAPER ENDS AT 42.340+/-
1335' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=14

SB DECEL LANE TAPER BEGINS AT 43.205+/-
625' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=7

NB DECEL LANE TAPER BEGINS AT 42.746+/-
650' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=7

NB ACCEL LANE TAPER ENDS AT 43.254+/-
1065' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=11




LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

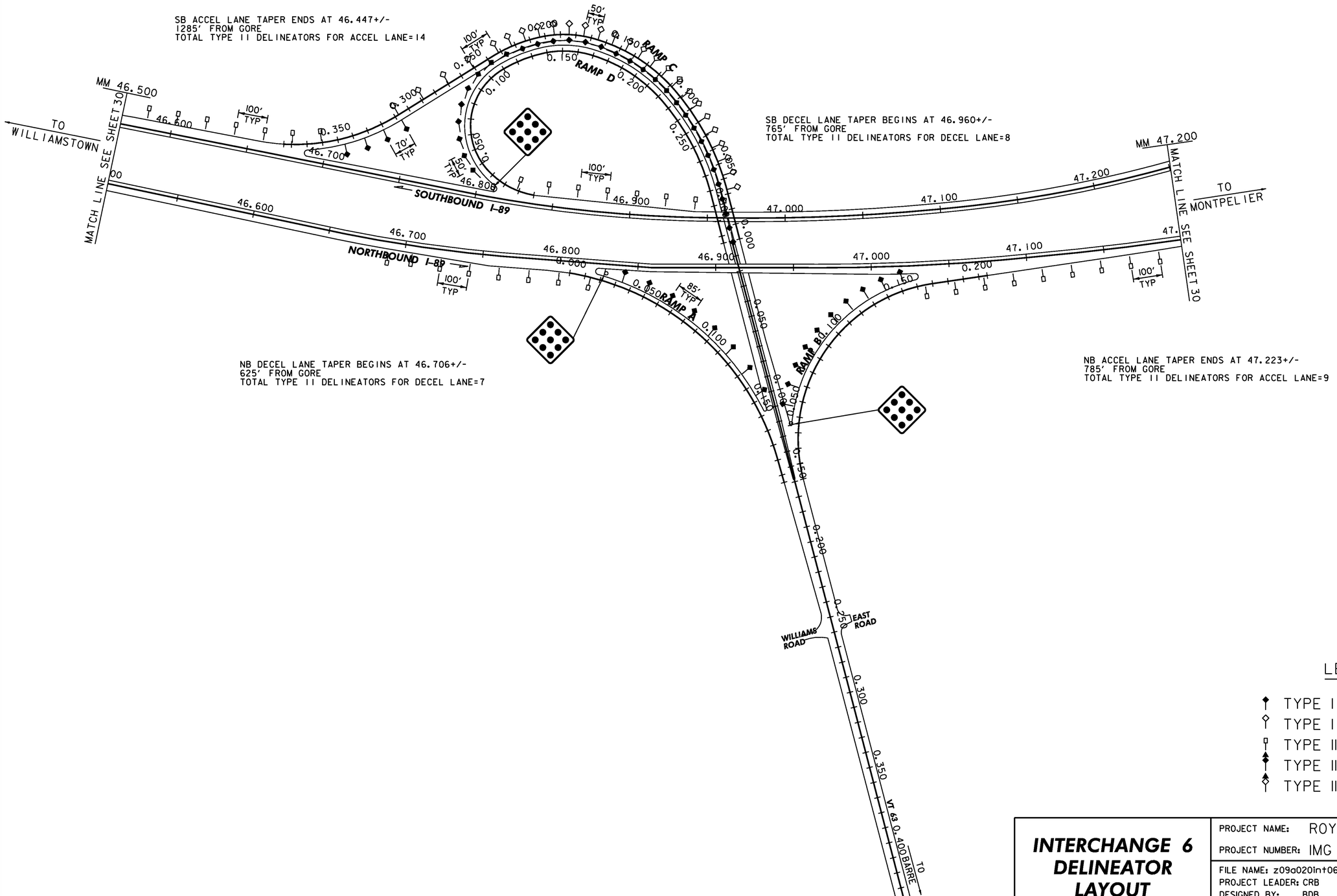
# INTERCHANGE 5 DELINEATOR LAYOUT

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a0201nt05.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 48 OF 163

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARD E-197 AND SHEET 4.




LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

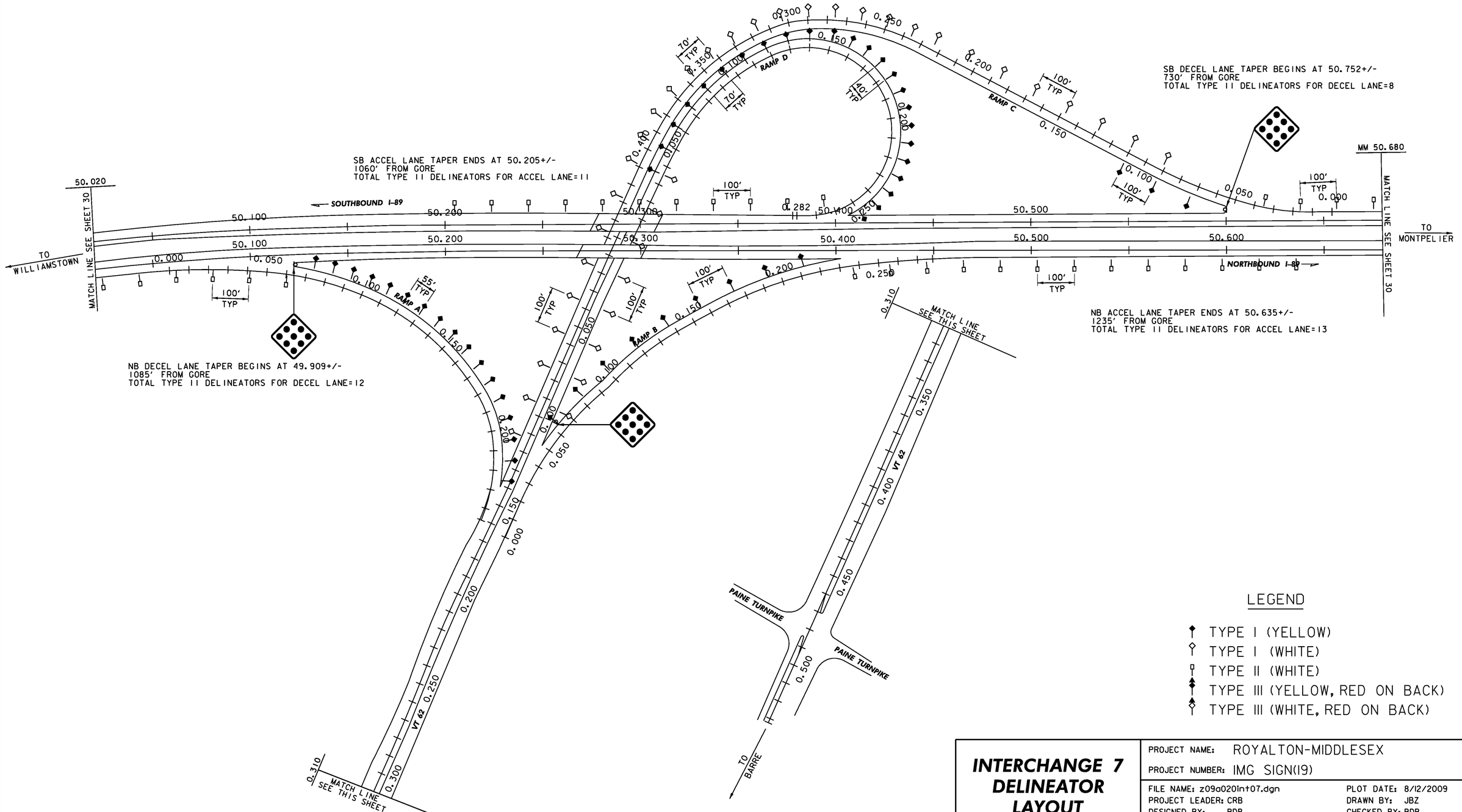
**INTERCHANGE 6**
**DELINEATOR LAYOUT**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a0201nt06.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 49 OF 163

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARD E-197 AND SHEET 4.




LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

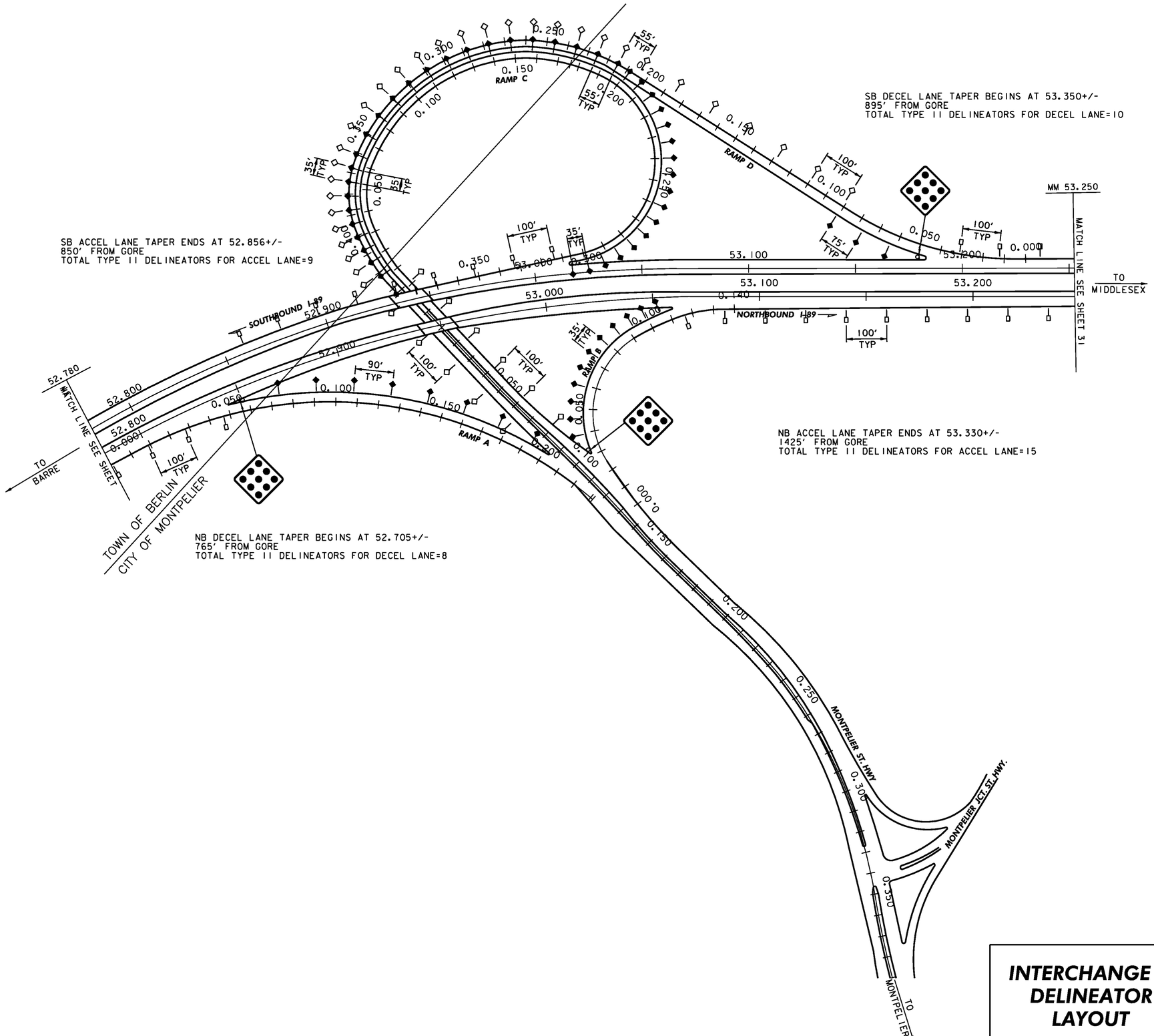
**INTERCHANGE 7 DELINEATOR LAYOUT**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int07.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 50 OF 163

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARD E-197 AND SHEET 4.




## LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

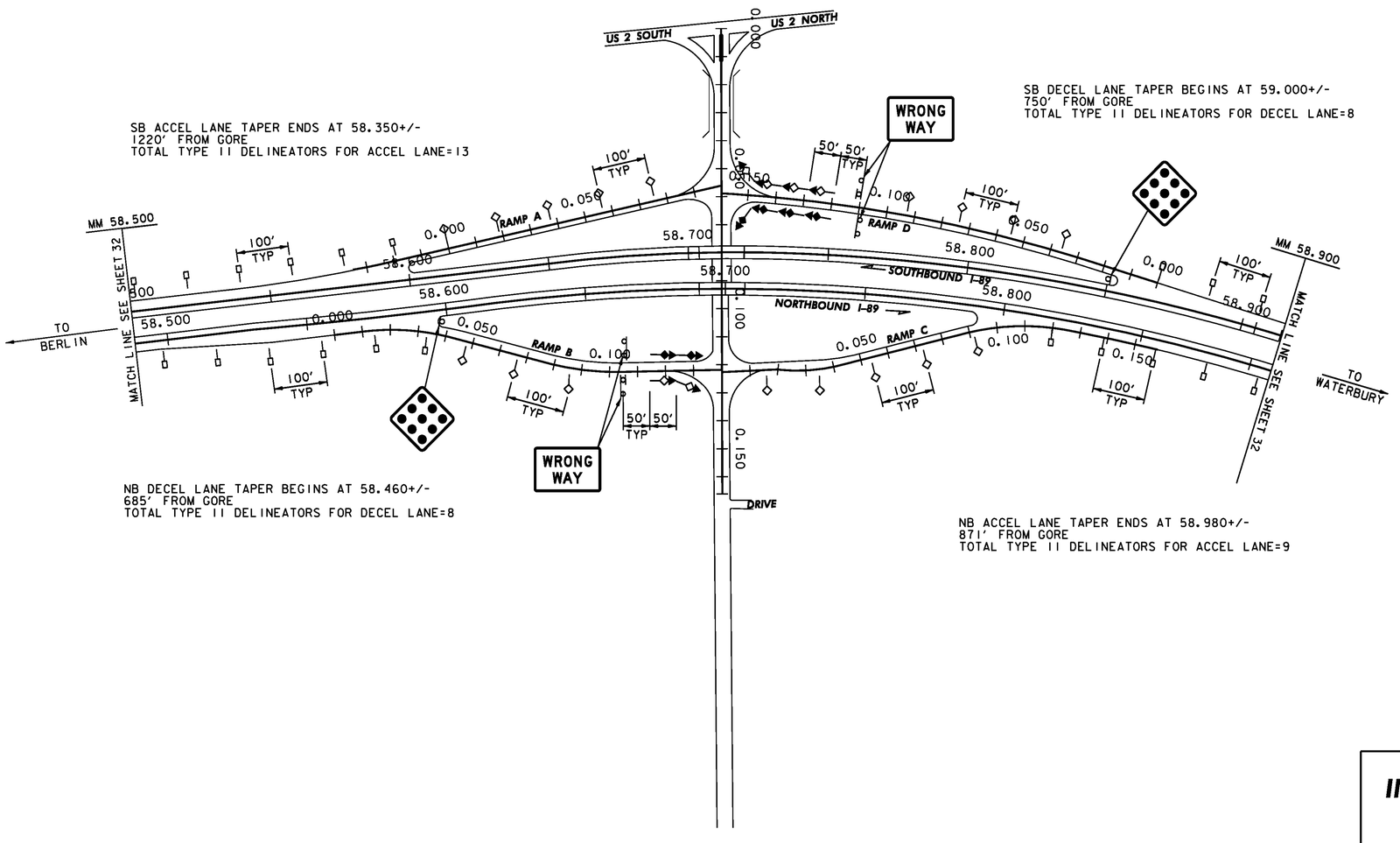
# INTERCHANGE 8 DELINEATOR LAYOUT

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int08.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 51 OF 163

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARD E-197 AND SHEET 4.




LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

**INTERCHANGE 9 DELINEATOR LAYOUT**

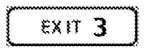
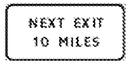
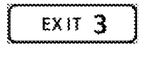
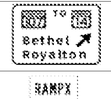
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020int09.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 52 OF 163

MODEL: DELIN

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 1

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.320 NB |   | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |   | 1 | 156 | 144 | | 156.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 929 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 132 | |
| 21.650 NB |   | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |   | 1 | 156 | 138 | | 149.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 132 | |
| |   | 1 | 96 | 48 | | 32.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 906 | W8X21 | | Fuse-Plate Bolt Tension 31.2 kips | 145 | |
| 21.770 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | W8-13 | | |
| 21.886 - 59.417 NB |   | 33 | 6 | 10 | 13.86 | | | | | | 33 | | | | X | | | 33 | | | | | | | | | | | | | | | | VD-701 NOT SHOWN ON PLANS | 146 | |
| 21.920 NB |  | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 882 | W8X18 | | Fuse-Plate Bolt Tension 20.8 kips<br>SEE FOOTING DETAIL ON SHEET 3 | 132 | |
| 21.956 NB |   | 1 | 42 | 38 | 11.08 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | | 144 | |
| 21.960 NB |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM-3R | | |
| 21.960 NB MED |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM-3L | | |
| 22.135 NB |   | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |   | 1 | 162 | 120 | | 135.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 908 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips<br>SEE FOOTING DETAIL ON SHEET 3 | 132 | |
| 22.150 - 58.845 NB |   | 14 | 6 | 8 | 4.62 | | | | | | 14 | | | | X | | | 14 | | | | | | | | | | | | | | | | VD-700M NOT SHOWN ON PLANS | 146 | |
| 22.246 NB |   | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | | 145 | |
| 22.285 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | W4-1R | | |
| 22.347 NB MED |   | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R6-1R | | |
| | | | | | | | | | | | | FT | FT | FT | FT 410.6 | FT 63.4 | FT | | EA. | LB 49.6 | LB | LB | | LB 387.6 | LB | LB | LB | | | | | | | | |
| SUBTOTALS SHEET 1 | | SF 130.56 | SF 646.50 | EA. | SF | | | | | | | FT | | | FT 474.0 | | | | | LB 49.6 | | | EA. 4 | LB 387.6 | | | | EA. 8 | EA. | LB 3625 | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 1

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 2

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.730 NB | EMERGENCY STOPPING ONLY | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | R8-7 | | |
| 22.805 NB | NORTH | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | 89 | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | BIKE ROUTE INTERSTATE SYSTEM | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | M1-10 | | |
| 22.900 NB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| | GROOVED SHOULDER | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VP-396 | 144 | |
| 23.025 NB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| 23.210 NB | Randolph 11<br>Barre 29<br>Montpelier 31 | 1 | 114 | 48 | | 38.00 | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | 132 | |
| 23.460 NB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VR-132 | 144 | |
| 23.460 NB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 23.759 NB | ENTERING TOWN OF BETHEL | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 26.000 NB | MILE 2 6 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 26.053 NB | TRAVEL INFO | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | 145 | |
| 26.668 NB | ENTERING TOWN OF RANDOLPH ORANGE CO. | 1 | 36 | 30 | 7.50 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 27.000 NB | MILE 2 7 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 27.040 NB | TRAVEL INFO 100.1FM | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | | 132 | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 86.1 | FT | | EA. | LB | LB 212.6 | LB | | LB 719.0 | LB 613.8 | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 2** | | SF ~~163.63~~ 157.63 | SF 68.00 | EA. | SF | | FT | | FT 86.1 | | LB 212.6 | EA. 11 | LB 1332.8 | | | EA. | EA. | LB | | | | | | | | | | | | | | | | | | |

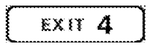
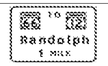
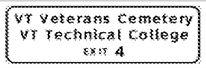
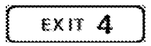
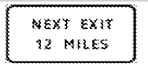
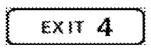
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 2
SHEET 54 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 3

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS | | | NEW & SALVAGED SIGNS | | | | EXIST POST | | NEW SIGN POSTS | | | | | | | | | | | | | | | | | | REMARKS | SIGN DETAIL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EA | WIDTH (in) | HEIGHT (in) | "A" | "B" | SALV SIGN | SALV TIS | RETAIN | SALVAGE | NO. OF POSTS | FLANGED CHANNEL lb/ft | | | SQUARE STEEL (in) lb/ft | | | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft | | | FND-ATION | TUBULAR STEEL DIA (in) lb/ft | | | | W-SHAPE STEEL FTG. SIZE | | | | SIGN | FRAME | | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
| | | | | | | | | | | | | 1.12 | 2.0 | 3.0 | 1.75 | 2.0 | 2.5 | | | 3.0 | 4.0 | 4.0Mod | | 3.0 | 3.5 | 4.0 | 5.0 | 24" | 30" | WEIGHT | POST SIZE | | | | | |
| | | | | | | | | | | | | | | | 1.88 | 2.42 | 3.35 | | | 1.3 | 1.7 | 1.7 | | 7.6 | 9.0 | 10.8 | 14.6 | | | | | | | | | |
| 28.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 29.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 29.680 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 156 | 114 | | 123.50 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 783 | W8X18 | | Fuse-Plate Bolt Tension 19.2 kips | 133 | |
| 29.930 NB |  | 1 | 252 | 84 | | 147.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 519 | W6X15 | | Fuse-Plate Bolt Tension 19.2 kips | 133 | |
| 30.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 30.180 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 156 | 114 | | 123.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 133 | |
| |  | 1 | 96 | 48 | | 32.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 738 | W8X18 | | Fuse-Plate Bolt Tension 23.3 kips | 145 | |
| 30.335 NB |  | | | | | | 1 | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 771 | W8X18 | | Fuse-Plate Bolt Tension 19.8 kips | | |
| 30.500 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 156 | 126 | | 136.50 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 710 | W8X18 | | Fuse-Plate Bolt Tension 21.8 kips | 133 | |
| 30.690 NB |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM1-1 | | |
| 30.693 NB |  | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | 145 | |
| 31.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 31.175 NB MED |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R6-1R | | |
| 31.450 NB |  | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| | | | | | | | | | | | | | | | 9.5 | 70.0 | | | | | | | | | 372.4 | | | | | | | | | | | | |
| | SUBTOTALS SHEET 3 | SF ~~89.25~~ 77.25 | SF 592.50 | EA. 1 | SF | | FT | | FT 79.5 | | LB | EA. 4 | LB 372.4 | | EA. 10 | EA. | LB 3521 | | | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 3

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 4

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31.525 NB | NORTH | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | 89 | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | BIKE ROUTE BICYCLE ROUTE SYMBOL | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | M1-10 | | |
| 31.620 NB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| | GROOVED SHOULDER | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VP-396 | 144 | |
| 31.715 NB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| 31.930 NB | Northfield 16<br>Barre 21<br>Montpelier 23 | 1 | 108 | 48 | | 36.00 | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | 133 | |
| 32.000 NB | MILE 32 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 32.180 NB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 | 144 | |
| 32.180 NB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 | 144 | |
| 33.000 NB | MILE 33 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 33.426 NB | WEIGH STATION 1 MILE OPEN CLOSED | 1 | 102 | 84 | | 59.50 | | | | | 2 | | | | | | | | | | | | 2 | | | X | | | | | | | | 133 | |
| 34.000 NB | MILE 34 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | NB 34.320 PLACED NEW OMI-1 2.25 SF AND POST @ 10.25' (SEE NOTES 8-27-10) | | E-139 |
| 34.595 NB | ENTERING TOWN OF BROOKFIELD | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 35.000 | MILE 35 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 36.000 NB | MILE 36 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 86.6 | FT | | EA. | LB | LB 69.9 | LB | | LB 547.2 | LB 590.4 | LB 344.6 | LB | | | | | | | |
| **SUBTOTALS SHEET 4** | | | | | SF ~~137.13~~ 122.13 | SF 95.50 | EA. | SF | | | FT | | | | FT 86.6 | | | | | LB 69.9 | | | EA. 11 | LB 1482.2 | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

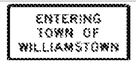
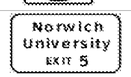
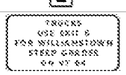
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 4

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 56 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 5

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 38.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 39.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 39.138 NB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-544 | 144 | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | W16-2 | | |
| 39.410 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 40.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 40.730 NB |  | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 41.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 41.065 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VW-285 | 144 | |
| 41.840 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 210 | 144 | | 210.00 | | | | | 2 | | | | | | | | | | | | | | | | X | 2 | | 901 | W8X21 | | Fuse-Plate Bolt Tension 35 kips | 134 | |
| 41.895 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 41.990 NB |  | 1 | 138 | 84 | | 80.50 | | | | | 2 | | | | | | | | | | | | 2 | | | | X | | | | | | | 134 | |
| 42.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 42.140 NB |  | 1 | 180 | 102 | | 127.50 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 503 | W6X15 | | Fuse-Plate Bolt Tension 19.2 kips | 135 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | | FT 161.9 | FT | | EA. | | LB | LB | LB | | LB 418.0 | LB | LB | LB 436.6 | | | | | | | | |
| | SUBTOTALS SHEET 5 | | SF ~~97.00~~ 79.00 | SF 418.00 | EA. | SF | | | FT | | FT 161.9 | | | | LB | | | EA. 6 | | LB 854.6 | | | EA. 4 | EA. | LB 1404 | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 5

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 57 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 6

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | FLANGED CHANNEL lb/ft 2.0 | FLANGED CHANNEL lb/ft 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | SQUARE STEEL (in) 2.0 lb/ft 2.42 | SQUARE STEEL (in) 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | TUBULAR ALUMINUM DIA (in) 4.0 lb/ft 1.7 | TUBULAR ALUMINUM DIA (in) 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | TUBULAR STEEL DIA (in) 3.0 lb/ft 7.6 | TUBULAR STEEL DIA (in) 3.5 lb/ft 9.0 | TUBULAR STEEL DIA (in) 4.0 lb/ft 10.8 | TUBULAR STEEL DIA (in) 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | W-SHAPE STEEL FTG. SIZE 30" | W-SHAPE STEEL WEIGHT | W-SHAPE STEEL POST SIZE | SIGN | FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | SIGN DETAIL STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42.290 NB | EXIT 5 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | TO Northfield Williamstown | 1 | 210 | 138 | | 201.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 135 | |
| | NEXT EXIT 5 MILES | 1 | 162 | 24 | | 27.00 | | | | | 2 | | | | | | | | | | | | | | | | | | | 2 | | 1085 | W10X22 | | Fuse-Plate Bolt Tension 31 kips | 145 | |
| 42.440 NB | | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | | | 2 | | 715 | W8X18 | | Fuse-Plate Bolt Tension 19.8 kips | 135 | |
| 42.716 NB | EXIT 5 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | TO Northfield Williamstown | 1 | 210 | 120 | | 175.00 | | | | | 2 | | | | | | | | | | | | | | | | | | | 2 | | 803 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 135 | |
| 42.820 NB | RAMP 35 MPH | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | W13-3 | | |
| 42.867 NB | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM1-1 | | |
| 42.870 NB | EXIT 5 | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | | 145 | |
| 42.970 NB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | W4-1R | | |
| 43.000 NB | 43 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 43.057 NB MED | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R6-1R | | |
| 43.200 NB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R3-4 | | |
| 43.275 NB | EMERGENCY STOPPING ONLY | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | R8-7 | | |
| 43.350 NB | NORTH | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | INTERSTATE 89 | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | BIKE ROUTES BIKEWAY BYWAY | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | | 1 | X | | | | | | | | | M1-10 | | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 70.7 | FT | | EA. | LB 49.6 | LB | LB | | LB 691.6 | LB | LB | LB | | | | | | | | |
| | SUBTOTALS SHEET 6 | SF ~~126.38~~ 122.38 | SF 577.25 | EA. | SF | | | | FT | | | FT 80.2 | | | | | | | | LB 49.6 | | | EA. 7 | LB 691.6 | | | | EA. 6 | EA. | LB 2603 | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 6

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 7

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43.445 NB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VP-396 | 144 | |
| 43.540 NB |  | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | VR-141 | | E-142 |
| 43.830 NB |  | 1 | 108 | 36 | | 27.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | 135 | |
| 44.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| ~~44.080~~ NB 44.086 |  | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 | 144 | |
| 44.080 NB MED |  | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 | 144 | |
| 45.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| 45.345 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | 145 | |
| 45.500 NB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W11-3 | | |
| |  | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | 144 | |
| 45.900 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 198 | 144 | | 198.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 855 | W8X21 | | Fuse-Plate Bolt Tension 33.3 kips | 135 | |
| 46.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| 46.240 NB |  | 1 | 36 | 30 | 7.50 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | I-2 | | E-131 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 63.7 | FT | | EA. | LB 49.6 | LB 71.6 | LB | | LB 819.3 | LB 315.0 | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 7** | | SF ~~168.50~~ 159.5 | SF 225.00 | EA. | SF | | | FT | | | FT 63.7 | | | | LB 121.2 | | | EA. 10 | | LB 1134.3 | | | | EA. 2 | EA. | LB 855 | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 7

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 59 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 8

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46.250 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 198 | 138 | | 189.75 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 872 | W8X21 | | Fuse-Plate Bolt Tension 31 kips | 136 | |
| 46.347 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R3-4 | | |
| 46.405 NB |  | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 798 | W8X18 | | Fuse-Plate Bolt Tension 20.5 kips | 136 | |
| 46.535 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 198 | 126 | | 173.25 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 798 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 136 | |
| 46.630 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | VW-285 | 144 | |
| 46.830 NB |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM1-1 | | |
| 46.836 NB |  | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | | 145 | |
| 46.945 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | W4-1R | | |
| 47.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 47.035 NB MED |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R6-1R | | |
| 47.320 NB |  | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | R8-7 | | |
| 47.395 NB |  | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | | M1-10 | | |
| 47.428 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R3-4 | | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 104.6 | FT | | EA. | LB 49.6 | LB | LB | | LB 684.0 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 8** | | SF ~~131.38~~ 128.38 | SF 537.00 | EA. | SF | | FT | | FT 114.1 | | | LB 49.6 | | | EA. 7 | | LB 684.0 | | | | EA. 6 | EA. | LB 2468 | | | | | | | | | | | |

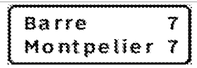
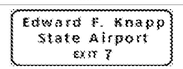
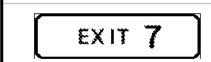
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 8
SHEET 60 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 9

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47.490 NB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VP-396 | 144 | |
| 47.585 NB |  | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| 47.925 NB |  | 1 | 102 | 36 | | 25.50 | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | | 136 | |
| 48.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 48.175 NB |  | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 48.175 NB MED |  | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 48.953 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 156 | 144 | | 156.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 868 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 136 | |
| 49.000 NB |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 49.325 NB |  | 1 | 216 | 84 | | 126.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 370 | W6X12 | | Fuse-Plate Bolt Tension 14.5 kips | 136 | |
| 49.505 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 156 | 138 | | 149.50 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 817 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 136 | |
| 49.735 NB |  | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 762 | W8X18 | | Fuse-Plate Bolt Tension 19.8 kips | 137 | |
| 49.810 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 48.5 NB | MOVE OVER SIGN | | | | | 60.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | POST REPLACED 9-22-10 TOO LOW | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 54.0 | FT | | EA. | LB | LB 129.4 | LB | | LB 440.8 | LB 324.9 | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 9** | | | | | SF ~~144.00~~ ~~150.00~~ | SF 601.00 | EA. | SF | | | | FT | | | FT | 54.0 | | | | LB | 129.4 | | EA. 6 | LB | 765.7 | | | EA. 8 | EA. | LB 2817 | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 9

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 61 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 10

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49.910 NB | EXIT 7 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | VT 302 Berlin Barre | 1 | 156 | 120 | | 130.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 805 | W8X18 | | Fuse-Plate Bolt Tension 20.7 kips | 137 | |
| 50.000 NB | M 5 0 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 50.060 NB | RAMP 35 MPH | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | W13-3 | | |
| 50.123 NB | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 50.126 NB | EXIT 7 | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | 145 | |
| 50.310 NB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W4-1R | | |
| 50.405 NB MED | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 50.650 NB | EMERGENCY STOPPING ONLY | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | R8-7 | | |
| 50.730 NB | NORTH | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | 89 | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | BIKE ROUTE 5 CROSSROADS OF NEW ENGLAND | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | M1-10 | | |
| 50.732 NB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 50.848 NB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 50.910 NB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| | GROOVED SHOULDER | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VP-396 | 144 | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | 9.5 | 103.1 | | | | 96.6 | 68.2 | | | 501.6 | | | | | | | | | | | |
| | SUBTOTALS SHEET 10 | SF | ~~134.38~~ 131.38 | SF | 160.00 | EA. | SF | | | FT | | FT | 112.6 | | LB | 164.8 | EA. | 5 | LB | 501.6 | | EA. | 2 | EA. | | LB | 805 | | | | | | | |

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PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 10
SHEET 62 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 11

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.990 NB<br>51.004 | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 HIT UNDER DRAIN - REPAIRED. | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| 51.000 NB | 5 1 | 1 | 12 | 36 | ~~3.00~~<br>4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 51.075 NB | Montpelier 3<br>Burlington 39 | 1 | 108 | 36 | | 27.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | 137 | |
| 51.325 NB<br>51.375 | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 51.325 NB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | VR-132 | 144 | |
| 51.540 NB | Welcome to Montpelier Capital of Vermont | 1 | 156 | 108 | | 117.00<br>+ 39.0 FRENCH "WELCOME" SIGN ADDED | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 510 | W6X15 | | Fuse-Plate Bolt Tension 19.2 kips | 137 | |
| 51.720 NB | EXIT 8 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | 2 Montpelier 1 MILE | 1 | 174 | 114 | | 137.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 137 | |
| | VISITOR CENTER | 1 | 114 | 24 | 19.00 | | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 627 | W8X18 | | Fuse-Plate Bolt Tension 22.3 kips | 145 | |
| 51.860 NB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VW-285 | 144 | |
| 52.000 NB | 5 2 | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 52.140 NB | CROSSROAD WARNING AHEAD | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | 144 | |
| 52.179 NB | ENTERING CITY OF MONTPELIER | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 52.235 NB | EXIT 8 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | 2 Montpelier VT MILE | 1 | 174 | 114 | | 137.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 137 | |
| | NEXT EXIT 8 MILES | 1 | 162 | 24 | | 27.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 683 | W8X18 | | Fuse-Plate Bolt Tension 23.4 kips | 145 | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 54.5 | FT | | EA. | LB 49.6 | LB 71.6 | LB | | LB 591.3 | LB 315.0 | LB | LB | | | | | | | | |
| | **SUBTOTALS SHEET 11** | SF ~~179.00~~ 173.00 | | | SF ~~446.50~~ 485.5 | | EA. | SF | | | FT | | | | FT 54.5 | | | | LB 121.2 | | | EA. 8 | | LB 906.3 | | | EA. 6 | EA. | LB 1820 | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 11

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 63 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 12

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS | | | NEW & SALVAGED SIGNS | | | | EXIST POST | | NEW SIGN POSTS | | | | | | | | | | | | | | | | | | REMARKS | SIGN DETAIL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | E A | WIDTH (in) | HEIGHT (in) | "A" | "B" | SALV SIGN | SALV TIS | RETAIN | SALVAGE | NO. OF POSTS | FLANGED CHANNEL lb/ft | | | SQUARE STEEL (in) lb/ft | | | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft | | | FND-ATION | TUBULAR STEEL DIA (in) lb/ft | | | | W-SHAPE STEEL FTG. SIZE | | WEIGHT | POST SIZE | SIGN | FRAME | | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
| | | | | | | | | | | | | 1.12 | 2.0 | 3.0 | 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | | | 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | | 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | 24" | 30" | | | | | | | |
| 52.288 NB |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.340 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W8-13 | | |
| 52.381 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 52.390 NB |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.440 NB |  | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 755 | W8X18 | | | Fuse-Plate Bolt Tension 19.8 kips | 137 | |
| 52.470 NB |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.500 NB |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | SIGNS FALL ON BRIDGE, EXISTING POSTS WERE USED. | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.555 NB |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.595 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 174 | 132 | | 159.50 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 798 | W8X21 | | | Fuse-Plate Bolt Tension 28.4 kips | 138 | |
| 52.690 NB |  | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | | W13-2 | | |
| 52.755 NB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.787 NB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.825 NB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.850 NB |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 52.855 NB |  | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | | | 145 | |
| 52.863 NB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 682.4 | FT | | EA. | LB 49.6 | LB | LB | | LB 395.2 | LB | LB | LB | | | | | | | |
| SUBTOTALS SHEET 12 | | SF 175.25 | SF 333.50 | EA. | SF | | | | | | | FT | | | FT 691.9 | | | | | LB 49.6 | | | EA. 4 | LB 395.2 | | | | EA. 4 | EA. | LB 1553 | | | | | | |

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PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
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TRAFFIC SIGN SUMMARY SHEET # 12

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 64 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 13

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | FND-ATION | TUBULAR STEEL DIA (in) 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52.901 NB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 52.930 NB |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3R | | |
| 52.930 NB MED |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3L | | |
| 52.980 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W4-1R | | |
| 53.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 53.065 NB MED |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 53.230 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W8-13 | | |
| 53.320 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 53.340 NB |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3R | | |
| 53.340 NB MED |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3L | | |
| 53.525 NB |  | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | R8-7 | | |
| 53.600 NB |  | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | M1-10 | | |
| 53.695 NB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VP-396 | 144 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | EA. | | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | 50.4 | 141.2 | | | | 146.2 | | | | 319.2 | | | | | | | | | | | |
| SUBTOTALS SHEET 13 | | SF ~~123.13~~ 120.13 | SF | EA. | SF | | FT | | FT 191.6 | | | LB 146.2 | | | EA. 3 | | LB 319.2 | | | EA. | EA. | LB | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 13

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 65 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 14

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53.790 NB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | VR-141 | | E-142 |
| 53.880 NB | Middlesex 5 Burlington 36 | 1 | 108 | 36 | | 27.00 | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | 138 | |
| 53.960 NB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-285 | 144 | |
| | NEXT 1 MILE | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | 144 | |
| 54.000 NB | NO 5 4 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 54.102 NB | ENTERING TOWN OF MIDDLESEX | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 54.130 NB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 54.130 NB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VR-132 | 144 | |
| 54.375 NB | MOOSE | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-001 | 144 | |
| | NEXT 4 MILES | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | 144 | |
| 54.690 NB | CROSS ROAD SIGN AHEAD | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W8-13 | | |
| 54.785 NB | | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3R | | |
| 54.785 NB MED | | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3L | | |
| 54.897 NB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 54.965 NB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VW-285 | 144 | |
| 55.000 NB | NO 5 5 | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| | | | | | | | | | | | | FT | FT | FT | FT 25.2 | FT 84.4 | FT | | EA. | LB 49.6 | LB 195.1 | LB | | LB 646.0 | LB 324.9 | LB | LB | | | | | | | | |
| | SUBTOTALS SHEET 14 | | | | SF ~~177.00~~ 171.00 | SF 27.00 | EA. | SF | | | | FT | | | FT 109.6 | | | | | LB 244.7 | | | EA. 8 | LB 970.9 | | | | EA. | EA. | LB | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

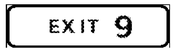
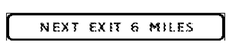
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 14

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 66 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 15

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 56.040 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 56.450 NB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | 2 | X | | | | | | | | | | | | |
| 56.450 NB MED |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | 2 | X | | | | | | | | | | W1-2R | | |
| 57.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 57.330 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 162 | 144 | | 162.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 853 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 138 | |
| 57.738 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 57.800 NB |  | 1 | 132 | 84 | | 77.00 | | | | | 2 | | | | | | | | | | | 2 | | | | X | | | | | | | | 138 | |
| 57.955 NB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 162 | 138 | | 155.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 138 | |
| |  | 1 | 162 | 24 | | 27.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 832 | W8X21 | | Fuse-Plate Bolt Tension 30 kips | 145 | |
| 58.000 NB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 58.130 NB |  | 1 | 72 | 54 | | 27.00 | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | 138 | |
| 58.330 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FT | FT | FT | FT | FT 129.7 | FT | | EA. | LB | LB 62.8 | LB | | LB 410.4 | LB | LB | LB 474.5 | | | | | | | | |
| **SUBTOTALS SHEET 15** | | SF ~~99.00~~ ~~108.00~~ | SF 448.25 | EA. | SF | | FT | | FT 129.7 | | LB 62.8 | EA. 6 | LB 884.9 | | | EA. 4 | EA. | LB 1685 | | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 15
SHEET 67 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 16

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN | FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58.455 NB | EXIT 9 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | Middlesex Recreation | 1 | 162 | 156 | | 175.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 138 | |
| | STATE POLICE | 1 | 30 | 30 | 6.25 | | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 889 | W8X21 | | | Fuse-Plate Bolt Tension 32.4 kips | | E-132 |
| 58.530 NB | Middlesex Recreation | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | W8-13 | | |
| 58.598 NB | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM1-1 | | |
| 58.604 NB | EXIT 9 | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | 145 | |
| 58.715 NB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | W4-1R | | |
| 58.795 NB MED | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R6-1R | | |
| 59.000 NB | 5 9 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 59.010 NB | EMERGENCY STOPPING ONLY | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | R8-7 | | |
| 59.075 NB | NORTH | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | INTERSTATE 89 | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | BUCK HOWES MEMORIAL INTERSTATE SYSTEM | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | | M1-10 | | |
| 59.160 NB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| | GROOVED SHOULDER | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | VP-396 | 144 | |
| 59.265 NB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | VR-141 | | E-142 |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 37.9 | FT | | EA. | LB 146.2 | LB | LB | | LB 501.6 | LB 315.0 | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 16** | | SF ~~154.63~~ 151.63 | | SF 205.50 | EA. | SF | | | FT | | | | | | FT 47.4 | | | | | LB 146.2 | | | EA. 7 | LB 816.6 | | | | EA. 2 | EA. | LB 889 | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

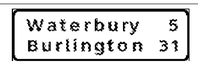
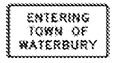
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 16

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 68 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 17

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN | FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59.490 NB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R3-4 | | |
| 59.550 NB |   | 1 | 108 | 36 | | 27.00 | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | | | 138 | |
| 59.800 NB |   | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | | 144 | |
| 59.800 NB MED |   | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | | 144 | |
| 60.000 NB |   | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | | E-139 |
| 60.880 NB |   | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | | E-131 |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | | | | | | | FT | FT | FT | FT | FT | FT | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 73.7 | | | | 54.4 | | | | 440.8 | | | | | | | |
| **SHEET TOTALS** | SF ~~58.00~~ 55.00 | SF 27.00 | EA. | SF | | FT | FT 73.7 | | LB 54.4 | EA. 4 | LB 440.8 | | | EA. | EA. | LB |

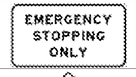
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 17

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 69 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 18

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.520 SB |   | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| |   | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| 21.620 SB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| |   | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VP-396 | 144 | |
| 21.720 SB |   | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |   | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |   | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | | 1 | X | | | | | | | | M1-10 | | |
| 21.820 SB |   | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | R8-7 | | |
| 21.915 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | VW-285 | 144 | |
| 21.892 - 52.528 SB |   | 15 | 6 | 10 | 6.30 | | | | | | 15 | | | | X | | | 15 | | | | | | | | | | | | | | | VD-701 NOT SHOWN ON PLANS | 146 | |
| 22.150 SB |   | 1 | 42 | 28 | 8.17 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | 144 | |
| 22.150 SB |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3R | | |
| 22.150 SB MED |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM-3L | | |
| 22.245 - 58.940 SB |   | 14 | 6 | 8 | 4.62 | | | | | | 14 | | | | X | | | 14 | | | | | | | | | | | | | | | VD-700M NOT SHOWN ON PLANS | 146 | |
| 22.255 SB MED |   | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 22.330 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | W4-1R | | |
| 22.367 SB |   | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | 145 | |
| | | | | | | | | | | | | FT | FT | FT | FT 263.0 | FT 63.4 | FT | | EA. | LB 96.6 | LB 69.9 | LB | | LB 494.0 | LB 324.9 | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 18** | | SF 148.22 | SF 30.00 | EA. | SF | | | | | | | FT | | | FT 326.4 | | | | | LB 166.5 | | | EA. 7 | LB 818.9 | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 18

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 19

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.640 SB | EXIT 3 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | TO Bethel Royalton | 1 | 210 | 120 | | 175.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 780 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 139 | |
| 22.949 SB | EXIT 3 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | TO Bethel Royalton VT 107 | 1 | 210 | 138 | | 201.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 139 | |
| | NEXT EXIT 8 MILES | 1 | 162 | 24 | | 27.00 | | | | | 2 | | | | | | | | | | | | | | | | | | | 977 | W10X22 | | Fuse-Plate Bolt Tension 30.6 kips<br>RETAIN EXISTING FOUNDATIONS | 145 | |
| ~~23.100~~ SB 22.098 | Rutland VT Law School EXIT 3 | 1 | 192 | 84 | | 112.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 372 | W6X12 | | Fuse-Plate Bolt Tension 12.9 kips | 139 | |
| ~~23.300~~ SB 23.295 | EXIT 3 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | TO Bethel Royalton 1 MILE | 1 | 210 | 144 | | 210.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 872 | W8X21 | | Fuse-Plate Bolt Tension 35.1 kips | 139 | |
| 23.749 SB | ENTERING TOWN OF ROYALTON | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 26.000 SB | MILE 26 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 26.708 SB | ENTERING TOWN OF BETHEL WINDSOR CO | 1 | 36 | 30 | 7.50 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 27.000 SB | MILE 27 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 28.000 SB | MILE 28 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 29.000 SB | MILE 29 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 29.370 SB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 | 144 | |
| 29.370 SB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 NEW POSTS (14.17 + 14.75 | 144 | |
| 29.748 SB | PARKING AREA / WRONG WAY | 1<br>1 | 78<br>36 | 78<br>24 | ~~6.00~~ 6.00 | 42.25<br>~~+42.25~~ | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | BACK TO BACK R5-1a ORIGINAL SIGN DAMAGED BY CRASH, RESET NEW SIGN. | 145 | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 104.8 | FT | | EA. | LB | LB | LB | | LB 646.0 | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | **SUBTOTALS SHEET 19** | | | SF ~~131.50~~ 125.50 | SF ~~767.50~~ 809.75 | EA. | SF | | | FT | | | | FT 104.8 | | | | | LB | | | EA. 6 | | LB 646.0 | | | | EA. 6 | EA. | LB 3001 | | | | | |

DAMAGED BY VEHICLE

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 19

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 71 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 20

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29.750 SB | DAMAGED | 1 | 18 | 18 | 2.25 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 SIGN DAMAGED IN TRAFFIC ACCIDENT. | | |
| 29.900 SB | Bethel 10 White River Jct 31 | 1 | 144 | 36 | | 36.00 | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | 140 | |
| 30.000 SB | EXIT 30 | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 30.000 SB | SPEED LIMIT 65 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MINIMUM 40 | | | | | | 1 | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | | |
| 30.100 SB | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GROOVED SHOULDER | | | | | | 1 | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | | |
| 30.200 SB | PARKING AREA 1/2 MILE | 1 | 138 | 60 | | 57.50 | | | | | 2 | | | | | | | | | | | | 2 | | | | X | | | | | | 140 | |
| 30.365 SB | SOUTH | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 89 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DISCHARGES TO GROUNDWATER SYSTEM | | | | | | 1 | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | | | |
| 30.440 SB | EMERGENCY STOPPING ONLY | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | R8-7 | | |
| 30.720 SB MED | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 31.000 SB | EXIT 31 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 31.050 SB | EXIT 4 | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | 145 | |
| 31.052 SB | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT 19.0 | FT 48.8 | FT | | EA. | LB | LB | LB | | LB 691.6 | LB 596.7 | LB | LB 502.3 | | | | | | | | |
| | SUBTOTALS SHEET 20 | | | | SF ~~25.50~~ 21.25 | SF 123.50 | EA. 7 | SF | | | | FT | | | FT 67.8 | | | | | LB | | | EA. 13 | LB 1790.6 | | | | EA. | EA. | LB | | | | | |

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PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 20

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 72 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 21

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31.200 SB | EXIT 4 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | TO Randolph | 1 | 156 | 126 | | 136.50 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 1082 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 133 | |
| 31.400 SB | H | | | | | | 1 | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 882 | W8X18 | | Fuse-Plate Bolt Tension 20.5 kips | | |
| 31.570 SB | EXIT 4 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | TO 12 Randolph VT RTE 66 | 1 | 156 | 114 | | 123.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 133 | |
| | NEXT EXIT 10 MILES | 1 | 96 | 48 | | 32.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 832 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 145 | |
| 31.820 SB | VT Veterans Cemetery VT Technical College EXIT 4 | 1 | 252 | 84 | | 147.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 545 | W6X15 | | Fuse-Plate Bolt Tension 19.2 kips | 133 | |
| 32.000 SB | M1-6 32 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 32.060 SB | EXIT 4 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | NEW POSTS 9-22-10 | 145 | |
| | TO Randolph 1 mile | 1 | 156 | 114 | | 123.50 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 630 | W8X18 | | Fuse-Plate Bolt Tension 19.2 kips | 133 | |
| 33.000 SB | M1-6 33 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 33.495 SB MED | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 33.600 SB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | W4-1R | | |
| 33.684 SB | REST AREA | 1 | 90 | 136 | | 85.00 | | | | | 2 | | | | | | | | | | | | 2 | | | | X | | | | | | | 134 | |
| 33.690 SB | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 34.000 SB | M1-6 34 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 35.000 SB | M1-6 35 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 70.2 | FT | | EA. | LB | LB | LB | | LB 205.2 | LB | LB | LB 535.9 | | | | | | | |
| | SUBTOTALS SHEET 21 | | | | SF ~~93.25~~ 81.25 | SF 647.50 | EA. 1 | SF | | | | FT | | | | FT 79.7 | | | | | LB | | | EA. 4 | | LB 741.1 | | | EA. 10 | EA. | LB 3971 | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

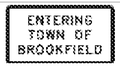
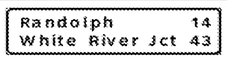
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 21

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 73 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 22

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 37.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 38.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 38.150 SB |  | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | 132 | |
| 39.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 39.425 SB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 40.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 40.760 SB |  | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 41.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 41.550 SB |  | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 41.550 SB MED |  | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 41.840 SB |  | 1 | 144 | 36 | | 36.00 | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | 140 | |
| 41.905 SB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 42.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 42.055 SB |  | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | | FT | FT 170.1 | FT | | EA. | LB | LB | LB | | LB 440.8 | LB 938.7 | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 22** | | SF ~~121.00~~ 100.00 | SF 66.00 | EA. | SF | | FT | | FT 170.1 | | LB | EA. 10 | LB 1379.5 | | EA. | EA. | LB | | | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

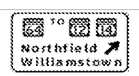
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 22

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 74 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 23

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42.150 SB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | VP-396 | 144 | |
| 42.245 SB |  | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | M1-10 | | |
| 42.320 SB |  | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | R8-7 | | |
| 42.571 SB MED |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R6-1R | | |
| 42.740 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | W4-1R | | |
| 43.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| 43.075 SB |  | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | 145 | |
| 43.078 SB |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM1-1 | | |
| 43.240 SB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 210 | 120 | | 175.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 1067 | W10X22 | | Fuse-Plate Bolt Tension 28.4 kips<br>SEE FOOTING DETAIL ON SHEET 3 | 135 | |
| 43.241 SB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R3-4 | | |
| 43.390 SB |  | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 843 | W8X18 | | Fuse-Plate Bolt Tension 20.4 kips | 135 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | 9.5 | 70.5 | | | | 49.6 | 69.9 | | | 478.8 | | | | | | | | | | | |
| **SUBTOTALS SHEET 23** | | SF ~~105.38~~ 102.38 | SF 349.00 | EA. | SF | | FT | | FT 80.0 | | | LB 119.5 | | EA. 5 | | LB 478.8 | | | | EA. 4 | EA. | LB 1910 | | | | | | | | | | | | |

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 23

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 75 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 24

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | FND-ATION | TUBULAR STEEL DIA (in) lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43.540 SB | EXIT 5 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | 91 North Field Williamstown 1 MILE | 1 | 210 | 138 | | 201.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 135 | |
| | NEXT EXIT 13 MILES | 1 | 162 | 24 | | 27.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 1225 | W10X26 | | Fuse-Plate Bolt Tension 30.5 kips | 145 | |
| ~~43.700~~ SB 43.712 | Brookfield Norwich University EXIT 5 | 1 | 234 | 84 | | 136.50 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 498 | W6X15 | | Fuse-Plate Bolt Tension 19.2 kips | 140 | |
| 44.000 SB | 4 4 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 44.250 SB | EXIT 5 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | 91 Northfield Williamstown 1 MILE | 1 | 210 | 144 | | 210.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 1056 | W10X22 | | Fuse-Plate Bolt Tension 29 kips | 134 | |
| 45.000 SB | 4 5 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| ~~45.695~~ 7 SB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | | VR-132 | 144 | |
| ~~45.695~~ 7 SB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 45.945 SB | Northfield 8 White River Jct 47 | 1 | 144 | 36 | | 36.00 | | | | | 2 | | | | | | | | | | | | | 2 | | X | | | | | | | | | 140 | |
| 46.000 SB | 4 6 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 46.100 SB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | | 2 | | X | | | | | | | | | VR-141 | | E-142 |
| ~~46.200~~ SB 46.166 | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | LEDGE ROCK IN AREA. MOVED SIGN SOUTH 182' AND STILL HAD TO PIN. | 144 | |
| | GROOVED SHOULDER | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | | | | 2 | X | | | | | | | | | VP-396 | 144 | |
| 46.257 SB | ENTERING TOWN OF WILLIAMSTOWN ORANGE CO. | 1 | 36 | 30 | 7.50 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | I-2 | | E-131 |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 63.1 | FT | | EA. | LB | LB 71.6 | LB | | LB 433.2 | LB 578.7 | LB | LB | | | | | | | | |
| | **SUBTOTALS SHEET 24** | | | | SF ~~151.50~~ 142.50 | SF 610.75 | EA. | SF | | | | FT | | | FT 63.1 | | | | | LB 71.6 | | | EA. 8 | LB 1011.9 | | | | EA. 6 | EA. | LB 2779 | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 24

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 76 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 25

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46.350 SB | SOUTH | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | 89 | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | BIKE ROUTE 7 BICENTENNIAL BYWAY | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | M1-10 | | |
| 46.366 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R3-4 | | |
| 46.430 SB | EMERGENCY STOPPING ONLY | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | R8-7 | | |
| 46.680 SB MED | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R6-1R | | |
| 46.760 SB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | W4-1R | | |
| 46.813 SB | EXIT 6 | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | 145 | | |
| 46.815 SB | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM1-1 | | |
| 46.840 SB | RAMP 30 XXX | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | W13-3 | | |
| 46.940 SB | EXIT 6 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | | |
| | 10 South Barre Barre | 1 | 198 | 126 | | 173.25 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 899 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 136 | |
| 47.000 SB | MILE 4 7 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| 47.200 SB | TRUCKS USE EXIT 6 TO WILLIAMSTOWN STEEP GRADES ON RT 64 | 1 | 180 | 102 | | 127.50 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 798 | W8X18 | | Fuse-Plate Bolt Tension 19.2 kips<br>SEE FOOTING DETAIL ON SHEET 3 | 135 | |
| ~~47.360~~ SB 47.382 | MOVED | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 720 | W8X18 | | Fuse-Plate Bolt Tension 19.8 kips | 136 | |
| 47.488 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R3-4 | | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 103.1 | FT | | EA. | LB | LB 68.2 | LB | | LB 684.0 | LB | LB | LB | | | | | | | | |
| | SUBTOTALS SHEET 25 | SF ~~115.38~~ 112.38 | SF 474.75 | EA. | SF | | FT | | FT 112.6 | | | LB 68.2 | EA. 7 | | LB 684.0 | | | | EA. 6 | EA. | LB 2417 | | | | | | | | | | | | | |

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PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 25

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 77 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 26

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47.510 SB | EXIT 6 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | I 91 South Barre Barre EXIT XXX | 1 | 198 | 138 | | 189.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 136 | |
| | NEXT EXIT 5 MILES | 1 | 96 | 48 | | 32.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 1217 | W10X26 | | Fuse-Plate Bolt Tension 30.1 kips | 145 | |
| 47.660 SB | Granite Quarries EXIT 6 | 1 | 120 | 84 | | 70.00 | | | | | 2 | | | | | | | | | | | | 2 | | | | X | | | | | | 141 | |
| 47.815 SB | EXIT 6 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | I 91 South Barre Barre EXIT XXX | 1 | 198 | 144 | | 198.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 920 | W8X21 | | Fuse-Plate Bolt Tension 33.4 kips | 135 | |
| 48.000 SB | ROUTE 4 8 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| 48.965 SB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | W11-3 | | |
| | NEXT 3 MILES | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | 144 | |
| 49.000 SB | ROUTE 4 9 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| 49.220 SB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 | 144 | |
| 49.220 SB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-132 | 144 | |
| 49.470 SB | South Barre 6 White River Jct 51 | 1 | 144 | 36 | | 36.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | 141 | |
| 49.820 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R3-4 | | |
| 49.870 SB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | VR-141 | | E-142 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 53.8 | FT | | EA. | LB | LB 71.6 | LB | | LB 630.8 | LB 315.0 | LB | LB 547.5 | | | | | | | | |
| | SUBTOTALS SHEET 26 | SF ~~152.00~~ 146.00 | SF 525.75 | EA. | SF | | | | FT | | FT 53.8 | | | | LB 71.6 | | | EA. 10 | LB 1493.3 | | | | EA. 4 | EA. | LB 2137 | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

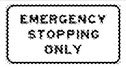
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 26

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 78 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 27

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.015 SB |  | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VP-396 | 144 | |
| 50.110 SB |  | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | M1-10 | | |
| 50.185 SB |  | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | R8-7 | | |
| 50.400 SB MED |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 50.500 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | W4-1R | | |
| 50.605 SB |  | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | 145 | |
| 50.606 SB |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 50.741 SB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 50.856 SB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 50.930 SB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 156 | 138 | | 149.50 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 1055 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 141 | |
| 51.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 51.080 SB |  | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 845 | W8X18 | | Fuse-Plate Bolt Tension 20.5 kips | 137 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 103.3 | FT | | EA. | LB | LB 69.9 | LB | | LB 684.0 | LB | LB | LB | | | | | | | | |
| | SUBTOTALS SHEET 27 | SF ~~114.38~~ 111.38 | SF 323.50 | EA. | SF | | | | FT | | | FT 112.8 | | | | | | | | LB 69.9 | | | EA. 7 | LB 684.0 | | | | EA. 4 | EA. | LB 1900 | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 27

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 79 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 28

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51.230 SB | EXIT 7 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | US 302 Berlin Barre VT 62 | 1 | 156 | 138 | | 149.50 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 830 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 136 | |
| 51.380 SB | Edward F. Knapp State Airport EXIT 7 | 1 | 216 | 84 | | 126.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 516 | W6X15 | | Fuse-Plate Bolt Tension 19.2 kips | 136 | |
| 51.615 SB | EXIT 7 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | US 302 Berlin Barre VT 62 | 1 | 156 | 144 | | 156.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 1015 | W8X21 | | Fuse-Plate Bolt Tension 28.6 kips | 136 | |
| 52.000 SB | 52 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 52.105 SB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 52.105 SB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-132 | 144 | |
| 52.179 SB | ENTERING TOWN OF BERLIN | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 52.220 SB | Barre NEXT 2 EXITS | 1 | 132 | 54 | | 49.50 | | | | | 2 | | | | | | | | | | | | 2 | | | X | | | | | | | | 141 | |
| 52.355 SB | Barre 6 White River Jct 54 | 1 | 144 | 36 | | 36.00 | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | 141 | |
| 52.389 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 52.500 SB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| 52.590 SB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| | GROOVED SHOULDER | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VP-396 | 144 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 73.9 | FT | | EA. | LB | LB 69.9 | LB | | LB 440.8 | LB 606.6 | LB 306.8 | LB | | | | | | | | |
| | SUBTOTALS SHEET 28 | SF ~~153.00~~ 150.00 | SF 517.00 | EA. | SF | | | | FT | | | FT 73.9 | | | LB 69.9 | | EA. 10 | | LB 1354.2 | | | EA. 6 | EA. | LB 2361 | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

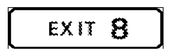
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 28

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 80 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 29

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52.673 SB |  | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | M1-10 | | |
| 52.756 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | W8-13 | | |
| 53.000 SB |  | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | D10-2 | | E-139 |
| 53.010 SB MED |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R6-1R | | |
| 53.110 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | W4-1R | | |
| 53.178 SB |  | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | 145 | |
| 53.179 SB |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM1-1 | | |
| 53.350 SB |  | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 216 | 120 | | 180.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 893 | W8X21 | | Fuse-Plate Bolt Tension 28.4 kips | 141 | |
| 53.350 SB MED |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R3-4 | | |
| 53.540 SB |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM-3L | | |
| 53.540 SB MED |  | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM-3R | | |
| 53.550 SB |  | 1 | 144 | 144 | | 144.00 | | | | | 2 | | | | | | | | | | | | | | | | | 2 | | 1258 | W8X21 | | MOVED TO 6.0' OFF RAIL<br>Fuse-Plate Bolt Tension 28.4 kips | 137 | |
| 53.620 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 53.647 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| | | | | | | | | | | | | FT | FT | FT | FT 34.7 | FT 146.6 | FT | | EA. | LB | LB | LB | | LB 699.2 | LB | LB | LB | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SUBTOTALS SHEET 29 | SF ~~120.38~~ 117.38 | SF 354.00 | EA. | SF | | | | FT | | | FT 181.3 | | | | | | | | LB | | | EA. 7 | LB 699.2 | | | | EA. 4 | EA. | LB 2151 | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

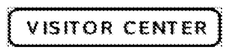
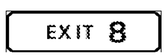
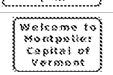
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 29

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 81 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 30

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | FND-ATION | TUBULAR STEEL DIA (in) lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53.682 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 53.695 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W8-13 | | |
| 53.710 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 53.745 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 53.787 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 53.834 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 53.850 SB |   | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |   | 1 | 216 | 138 | | 207.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 141 | |
| |   | 1 | 114 | 24 | 19.00 | | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 1019 | W10X22 | | Fuse-Plate Bolt Tension 30.3 kips | 145 | |
| 53.863 SB MED |  | 1 | 36 | 48 | 12.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 54.000 SB |   | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 54.049 SB |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W1-2R | | |
| 54.049 SB MED |  | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | W1-2R | | |
| 54.102 SB |   | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| 54.150 SB |   | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | MOVED TO 6.0' OFF RAIL | 145 | |
| |   | 1 | 216 | 144 | | 216.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 935 | W10X22 | | Fuse-Plate Bolt Tension 29.5 kips | 141 | |
| 54.304 SB |   | 1 | 156 | 108 | | 117.00 +39 | NEW | FRENCH | "WELCOME" SIGN | | 2 | | | | | | | | | | | | | | | | | | 2 | | 620 | W6X15 | | Fuse-Plate Bolt Tension 19.2 kips | 137 | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 267.6 | FT | | EA. | LB 99.2 | LB | LB | | LB 205.2 | LB | LB | LB | | | | | | | | |
| SUBTOTALS SHEET 30 | | | | | SF ~~188.00~~ 185.00 | SF ~~540.00~~ 579.00 | EA. | SF | | | | FT | | | | FT 267.6 | | | | LB 99.2 | | | EA. 2 | LB 205.2 | | | | EA. 6 | EA. | | LB 2574 | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 30

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 82 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 31

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54.807 SB | | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM-3R | | |
| 54.807 SB MED | | 1 | 12 | 36 | 3.00 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | | OM-3L | | |
| 54.906 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R3-4 | | |
| 54.925 SB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | W8-13 | | |
| 55.000 SB | | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 55.259 SB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | | 145 | |
| 56.000 SB | | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 56.048 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R3-4 | | |
| 57.000 SB | | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 57.600 SB | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | | VR-132 | 144 | |
| 57.600 SB MED | KEEP RIGHT EXCEPT TO PASS | 1 | 48 | 60 | 20.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | VR-132 | 144 | |
| 57.752 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R3-4 | | |
| 57.850 SB | Montpelier 6 White River Jct 59 | 1 | 144 | 36 | | 36.00 | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | | | 141 | |
| 57.950 SB | MOOSE | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-001 | 144 | |
| | NEXT 4 MILES | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | | | 144 | |
| 58.000 SB | | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 54.500 | MOVE OVER SIGN | | | | | 60.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| | | | | | | | | | | | | | | | 25.2 | 140.0 | | | | 49.6 | 143.2 | | | 422.6 | 289.8 | | | | | | | | | | | |
| | SUBTOTALS SHEET 31 | | | | SF ~~126.00~~ ~~138.00~~ | SF ~~96.50~~ ~~36.00~~ | EA. | SF | | | | FT | | | FT 165.2 | | | | | LB 192.8 | | | EA. 6 | LB 712.4 | | | | EA. | EA. | LB | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 31

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 83 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 32

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58.070 SB | SPEED LIMIT 65 | 1 | 48 | 60 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1 | | |
| | MINIMUM 40 | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | | | VR-141 | | E-142 |
| 58.160 SB | | 1 | 48 | 48 | 16.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VW-397 | 144 | |
| | GROOVED SHOULDER | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VP-396 | 144 | |
| 58.255 SB | SOUTH | 1 | 30 | 15 | 3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | INTERSTATE 89 | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | REST AREA 1 MILE | 1 | 36 | 36 | 9.00 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | M1-10 | | |
| 58.330 SB | EMERGENCY STOPPING ONLY | 1 | 48 | 36 | 12.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | R8-7 | | |
| 58.339 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 58.585 SB MED | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 58.690 SB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W4-1R | | |
| 58.810 SB | | 1 | 48 | 48 | 16.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | W8-13 | | |
| 58.846 SB | EXIT 9 | 1 | 72 | 60 | | 30.00 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | 145 | |
| 58.850 SB | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 59.000 SB | 59 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | 9.5 | 70.5 | | | | 99.2 | 69.9 | | | 478.8 | 315.0 | | | | | | | | | | |
| | SUBTOTALS SHEET 32 | SF | ~~137.38~~ 134.38 | SF | 30.00 | EA. | SF | | | FT | | | | FT | 80.0 | | | LB | 169.1 | | EA. | 7 | LB | 793.8 | | EA. | EA. | LB | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_main_SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 32

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 84 OF 163

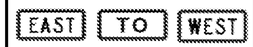
STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 33

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | FND-ATION | TUBULAR STEEL DIA (in) 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59.000 SB | EXIT 9 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | 2 TO Middlesex Montpelier | 1 | 162 | 156 | | 175.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 138 | |
| | STATE POLICE | 1 | 30 | 30 | 6.25 | | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 1103 | W10X22 | | Fuse-Plate Bolt Tension 28.4 kips<br>SEE FOOTING DETAIL ON SHEET 3 | | E-132 |
| 59.300 SB | EXIT 9 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | 2 TO Middlesex Montpelier | 1 | 162 | 138 | | 155.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 138 | |
| | NEXT EXIT 7 MILES | 1 | 162 | 24 | | 27.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 954 | W8X21 | | Fuse-Plate Bolt Tension 31.1 kips | 145 | |
| 59.507 SB MED | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | | 2 | | | | | | | | | | | | | | | R3-4 | | |
| 59.870 SB | EXIT 9 | 1 | 96 | 30 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| | 2 TO Middlesex Montpelier | 1 | 162 | 144 | | 162.00 | | | | | 2 | | | | | | | | | | | | | | | | | | 2 | | 1002 | W8X21 | | Fuse-Plate Bolt Tension 29.4 kips | 138 | |
| 60.000 SB | ROUTE 60 | 1 | 12 | 36 | ~~3.00~~ 4.00 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | | | | D10-2 | | E-139 |
| 60.880 SB | ENTERING TOWN OF MIDDLESEX | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | | 2 | | | | | | | | | | | | | | | I-2 | | E-131 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 34

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #3 0.120 RAMP B RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W1-11R | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W13-1 | | |
| 0.160 RAMP B LT |  | | | | | | 1 | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | | |
| 0.160 RAMP B RT |  | | | | | | 1 | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | | |
| 0.210 RAMP B RT |  | 1 | 24 | 12 | 2.00 | | 1<br>1 | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |  | 1 | 24 | 24 | 4.00 | | 1<br>1 | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | 1<br>1 | | | | 2 | | | | | | | | | | X | | | | | | | | | | | #3B | M6-1L GREEN ON WHITE | | |
| | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #3 0.080 RAMP C RT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W1-11R | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W13-1 | | |
| INT #3 0.110 RAMP D LT |  | | | | | | 1 | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | | |
| 0.110 RAMP D RT |  | | | | | | 1 | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 180.4 | FT | | EA. | LB | LB 62.4 | LB | | LB | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 34** | | | | | SF 29.69 | SF | EA. 10 | SF | | | | FT | | | FT 180.4 | | | | | LB 62.4 | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int3.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 34

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 86 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 35

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FNDATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.150 RAMP D RT | EAST WEST | | | | | | 1<br>1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | VERMONT 107 VERMONT 107 | | | | | | 1<br>1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 1<br>1 | | | | | | | | | | | | | | | | | | | | | | | | | | #2B | | | |
| | TO TO | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE<br>M4-5 GREEN ON WHITE | | |
| | VERMONT 14 VERMONT 100 | 1<br>1 | 24<br>30 | 24<br>24 | 4.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-5 | | E-136B<br>E-136B |
| | | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #2A | M6-1L GREEN ON WHITE<br>M6-1R GREEN ON WHITE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #3<br>1.560 VT 107 RT | JCT | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| | 89 | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | X | | 1 | | | | | | | | | | | | | | | M1-1 | | |
| 1.600 VT 107 RT | BARRE 30<br>MONTPELIER 32<br>WHITE RIVER JCT 24 | 1<br>1<br>1 | 72<br>72<br>72 | 12<br>12<br>12 | 6.00<br>6.00<br>6.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | D1-1a<br>D1-1a<br>D1-1a | | E-123<br>E-123<br>E-123 |
| 1.626 VT 107 CL | | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| | | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | X | | 1 | 1 | | | | | | | | | | | | | OM1-1<br>BACK TO BACK<br>OM1-1 | | |
| 1.640 VT 107 LT | BETHEL 3<br>RUTLAND 35 | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | 2 | | | | X | | 2 | | | | | | | | | | | | | | | D2-1<br>D2-1 | | E-123<br>E-123 |
| 1.640 VT 107 RT | SOUTH NORTH EAST | 1<br>1<br>1 | 24<br>24<br>24 | 12<br>12<br>12 | 2.00<br>2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE<br>M3-1 WHITE ON BLUE<br>M3-2 GREEN ON WHITE | | |
| | 89 89 VERMONT 107 | 1<br>1<br>1 | 24<br>24<br>30 | 24<br>24<br>24 | 4.00<br>4.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1<br>M1-1<br>M1-5 | | <br><br>E-136B |
| | | 1<br>1<br>1 | 21<br>21<br>21 | 15<br>15<br>15 | 2.19<br>2.19<br>2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | M6-1L WHITE ON BLUE<br>M6-3 WHITE ON BLUE<br>M6-3 GREEN ON WHITE | #3A | |
| 1.680 VT 107 RT | ONLY | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | X | | 1 | | | | | | | | | | | | | | | VR-921L | | E-145A |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 73.9 | FT | | EA. 1 | LB 45.9 | LB 65.8 | LB | | LB 234.9 | LB | LB | LB | | | | | | | |
| **SUBTOTALS SHEET 35** | | SF 94.89 | SF | EA. 6 | SF | | | FT | | | | FT 73.9 | | | | | | | | LB 111.7 | | | EA. 2 | LB 234.9 | | | | EA. | EA. | LB | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

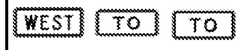
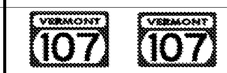
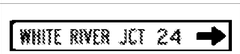
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int3.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 35

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 87 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 36

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.690 VT 107 LT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |   | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #3C | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| 1.721 VT 107 RT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| |   | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | #2B | M6-1R GREEN ON WHITE | | |
| |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #2A | M6-1R GREEN ON WHITE | | |
| 1.721 VT 107 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK OM1-1 | | |
| 1.739 VT 107 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK OM1-1 | | |
| 1.750 VT 107 LT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK M3-3 WHITE ON BLUE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1R WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK M6-1L WHITE ON BLUE | | |
| 1.780 VT 107 RT |   | 1 | 72 | 12 | 6.00 6.00 | OOC #1 | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | D1-1a | | E-123 |
| 1.800 VT 107 LT |   | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 102.7 | FT | | EA. 2 | LB | LB | LB | | LB 418.9 | LB | LB | LB | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | SF | SF | EA. | SF | | FT | FT | LB | EA. | LB | EA. | EA. | LB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUBTOTALS SHEET 36 | 109.14 ~~103.14~~ | | | | | | 102.7 | | 4 | 418.9 | | | |

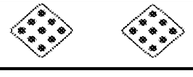
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int3.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 36

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 88 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 37

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.840 VT 107 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M5-1L WHITE ON BLUE | | |
| 1.870 VT 107 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M5-1R WHITE ON BLUE | | |
| 1.880 VT 107 RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-921L | | E-145A |
| 1.942 VT 107 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1<br>BACK TO BACK<br>OM1-1 | | |
| 1.942 VT 107 RT |  | 1<br>1<br>1 | 24<br>24<br>24 | 12<br>12<br>12 | 2.00<br>2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE<br>M4-5 GREEN ON WHITE<br>M3-4 GREEN ON WHITE | | |
| |  | 1<br>1<br>1 | 30<br>24<br>30 | 24<br>24<br>24 | 5.00<br>4.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-5<br>M1-5 | | E-136B<br>E-136B<br>E-136B |
| |  | 1<br>1<br>1 | 21<br>21<br>21 | 15<br>15<br>15 | 2.19<br>2.19<br>2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | #3B | M6-1L GREEN ON WHITE<br>M6-1L GREEN ON WHITE<br>M6-1R GREEN ON WHITE | | |
| 1.942 VT 107 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 1.954 VT 107 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1<br>BACK TO BACK<br>OM1-1 | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 88.4 | FT | | EA. 2 | LB | LB 65.8 | LB | | LB | LB | LB | LB | | | | | | | |
| | **SUBTOTALS SHEET 37** | SF | | | 76.39 | SF | EA. | SF | | | | FT | | | FT | 88.4 | | | | LB | 65.8 | | EA. | LB | | | | EA. | EA. | LB | | | | | |

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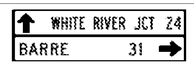
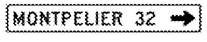
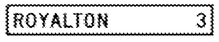
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int3.xls
PROJECT LEADER: CRB
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TRAFFIC SIGN SUMMARY SHEET # 37

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 38

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.960 VT 107 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-3 GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | #3A | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R WHITE ON BLUE | | |
| |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE BACK TO BACK | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 BACK TO BACK | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | M6-1L WHITE ON BLUE BACK TO BACK | | |
| 1.970 VT 107 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |  | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | #1A | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| 2.000 VT 107 LT |  | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| |  | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | D1-1a | | E-123 |
| 2.000 VT 107 RT |  | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | D2-1 | | E-123 |
| 2.008 VT 107 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK OM1-1 | | |
| 2.038 VT 107 LT |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M1-1 | | |
| 2.040 VT 107 RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | W10-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 108.5 | FT | | EA. 1 | LB | LB | LB | | LB 363.4 | LB | LB | LB | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SUBTOTALS SHEET 38 | SF 92.70 | SF | EA. | SF | | FT | | | | FT 108.5 | | | | LB | | | EA. 4 | LB 363.4 | | | | EA. | EA. | LB | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

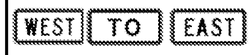
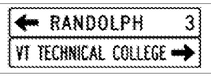
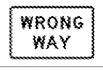
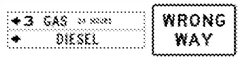
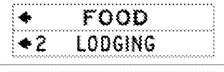
PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int3.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 38

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 90 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 39

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #4 0.030 RAMP A RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-002 | | E-142 |
| 0.155 RAMP A RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #4 0.100 RAMP B RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W3-1 | | |
| 0.150 RAMP B RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #3 | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R GREEN ON WHITE | | |
| 0.200 RAMP B RT |  | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1 | | E-123 |
| |  | 1 | 72 | 20 | 10.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | D1-2 | | E-123 |
| 0.250 RAMP B LT |  | 1 | 36 | 24 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1a | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R9-4a | | |
| 0.250 RAMP B RT |  | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G | | E-133 |
| | | 1 | 36 | 24 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1a BACK TO BACK | | |
| |  | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502F | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502L | | E-133 |
| |  | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VD-502H | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502C | | E-133 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | FT | FT | FT | FT | FT 72.3 | FT | | EA. | LB | LB | LB | | LB 755.7 | LB | LB | LB | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUBTOTALS SHEET 39 | SF 125.82 | SF | EA. | SF | | FT | | FT 72.3 | | LB | EA. 8 | LB 755.7 | | EA. | EA. | LB |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

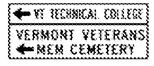
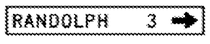
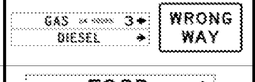
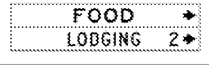
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int4.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 39

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 91 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 40

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.301 RAMP B LT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1 | | |
| | | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1 | | |
| |  | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 36 | 12 | 3.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R6-1R | | |
| 0.301 RAMP B RT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1 | | |
| | | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1 | | |
| |  | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 36 | 12 | 3.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R6-1R | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #4<br>0.070 RAMP C RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W3-1 | | |
| 0.110 RAMP C RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | #3 | M6-1R GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R GREEN ON WHITE | | |
| 0.150 RAMP C RT |  | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1 | | E-123 |
| | | 1 | 72 | 20 | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-2 | | E-123 |
| |  | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | D1-1a | | E-123 |
| 0.190 RAMP C LT |  | 1 | 36 | 24 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1a | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R9-4a | | |
| 0.190 RAMP C RT |  | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G | | E-133 |
| | | 1 | 36 | 24 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1a BACK TO BACK | | |
| |  | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502F | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502L | | E-133 |
| |  | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | VD-502H | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502C | | E-133 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 89.6 | FT | | EA. | LB | LB 192.8 | LB | | LB | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 40** | | SF 138.57 | SF | EA. | SF | | | | FT | | | FT 89.6 | | | LB 192.8 | | EA. | LB | | EA. | EA. | LB | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

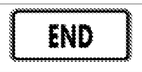
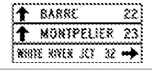
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int4.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 40

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 92 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 41

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.235 RAMP C LT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1 | | |
| | | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1 | | |
| |  | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 36 | 12 | 3.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R6-1R | | |
| 0.235 RAMP C RT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1 | | |
| | | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1 | | |
| |  | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | | | | | X | | | | | | | | | | | | | R6-1L | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 36 | 12 | 3.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R6-1R | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #4 0.030 RAMP D RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | VR-002 | | E-142 |
| 0.264 RAMP D RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #4 2.280 VT 66 LT |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R8-3a | | |
| |  | 1 | 24 | 12 | 2.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M4-6 BLACK ON WHITE | | |
| 2.280 VT 66 RT |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M1-1 | | |
| 2.320 VT 66 LT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W7-1b "9%" | | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W7-2 | | |
| 2.380 VT 66 RT |  | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 87.7 | FT | | EA. | LB 66.5 | LB | LB | | LB 177.9 | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBTOTALS SHEET 41 | | SF 100.69 | SF | EA. | SF | | | FT | | | FT 87.7 | | | LB 66.5 | | EA. 2 | | LB 177.9 | | EA. | EA. | LB | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

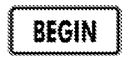
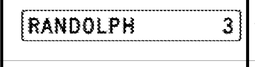
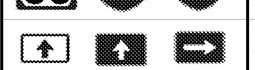
PROJECT NAME: ROYALTON-MIDDLESEX
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TRAFFIC SIGN SUMMARY SHEET # 41

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 93 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 42

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.382 VT 66 LT |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R8-3a | | |
| 2.409 VT 66 LT |  | 1<br>1 | 24<br>24 | 30<br>24 | 5.00<br>4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R2-1<br>R8-3a | | |
| |  | 1 | 24 | 12 | 2.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | #1 | M4-11 BLACK ON WHITE | | E-140 |
| 2.410 VT 66 LT |  | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R1-1 | | |
| 2.426 VT 66 LT |  | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-017 | | E-141 |
| 2.429 VT 66 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1<br>BACK TO BACK<br>OM1-1 | | |
| 2.430 VT 66 LT |  | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D2-1 | | E-123 |
| WEST |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE<br>M4-5 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #1 | M1-5<br>M1-5 | | E-136B<br>E-136B |
| 2.435 VT 66 RT |  | 1<br>1<br>1 | 24<br>24<br>24 | 12<br>12<br>12 | 2.00<br>2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE<br>M3-1 WHITE ON BLUE<br>M3-3 WHITE ON BLUE | | |
| |  | 1<br>1<br>1 | 24<br>24<br>24 | 24<br>24<br>24 | 4.00<br>4.00<br>4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-1<br>M1-1 | | E-136B |
| |  | 1<br>1<br>1 | 21<br>21<br>21 | 15<br>15<br>15 | 2.19<br>2.19<br>2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #3 | M6-3 GREEN ON WHITE<br>M6-3 WHITE ON BLUE<br>M6-1R WHITE ON BLUE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | SF | SF | EA. | SF | | FT | FT | FT | FT | FT | FT | EA. | LB | LB | LB | LB | LB | LB | LB | EA. | EA. | LB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUBTOTALS SHEET 42 | ~~78.32~~ 80.32 | | 1 | | | | | | | 85.6 | | 1 | | | | | 378.6 | | | 4 | | |

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int4.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 42

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 94 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 43

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FNDATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN | FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.440 VT 66 RT |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D9-2 | | E-132 |
| |  | 1 | 24 | 6 | 1.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | D9-2aR | | E-132 |
| 2.440 VT 66 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #3 | M6-1R GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R GREEN ON WHITE | | |
| 2.441 VT 66 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 2.455 VT 66 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | | OM1-1 BACK TO BACK OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.473 VT 66 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | | OM1-1 BACK TO BACK OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.480 VT 66 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | FT | FT 71.3 | FT | | EA. 2 | LB | LB | LB | | LB 185.5 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 43** | | SF 64.95 | SF | EA. | SF | | | | FT | | | | | FT 71.3 | | | | | LB | | | EA. 2 | LB 185.5 | | | | EA. | EA. | LB | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

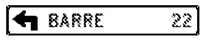
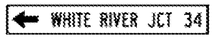
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int4.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 43

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 44

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.485 VT 66 RT |   | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | | |
| 2.540 VT 66 LT |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-921L | | E-145A |
| 2.540 VT 66 RT |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-921L | | E-145A |
| 2.580 VT 66 LT |   | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | | |
| 2.595 VT 66 RT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FT | FT | FT | FT | FT 46.8 | FT | | EA. | LB 98.4 | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| **SUBTOTALS SHEET 44** | SF 49.07 | SF | EA. | SF | | FT | | FT 46.8 | | LB 98.4 | | EA. | | LB | | | EA. | EA. | LB | | | | | | | | | | | | | | | | | |

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int4.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 44

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 96 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 45

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.599 VT 66 CL | | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | OM1-1 | | |
| 2.610 VT 66 CL | | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | OM1-1 | | |
| 2.615 VT 66 LT | NORTH | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | VERMONT 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 2.618 VT 66 LT | H | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D9-2 | | E-132 |
| | | 1 | 24 | 6 | 1.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | D9-2aL | | E-132 |
| 2.618 VT 66 LT | WEST TO EAST | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | VERMONT 66 VERMONT 12 VERMONT 66 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | #3 | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R GREEN ON WHITE | | |
| 2.620 VT 66 LT | WEST SOUTH NORTH | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | VERMONT 66 VERMONT 89 VERMONT 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-3 GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | #3 | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R WHITE ON BLUE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | | FT | FT 57.3 | FT | | EA. 2 | LB | LB 131.6 | LB | | LB | LB | LB | LB | | | | | | | | |
| SUBTOTALS SHEET 45 | | SF 81.33 | SF | EA. | SF | | | | | | FT | | | | FT 57.3 | | | | | LB 131.6 | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int4.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 45

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 97 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 46

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.630 VT 66 RT | PARK & RIDE ← | 1 | 30 | 36 | 7.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D4-2L "LEFT ARROW" | | |
| | 1 – 800 – 685 – RIDE | 1 | 36 | 9 | 2.25 | | | | | | 1 | | | | | | | | | X | | | | | | | | | | | | | 144 | |
| 2.640 VT 66 CL | | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 BACK TO BACK | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | OM1-1 | | |
| 2.665 VT 66 LT | WHITE RIVER JCT 32 / BARRE 22 → / MONTPELIER 23 → | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | D1-1a PER WRITTEN ORDER #1 SALVAGE BARRE SIGN | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| 2.670 VT 66 RT | BROOKFIELD 8 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D2-1 | | E-123 |
| | EAST TO | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | VERMONT 66 / VERMONT 14 | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #1 | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| 2.685 VT 66 LT | PARK & RIDE → | 1 | 30 | 36 | 7.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D4-2R "RIGHT ARROW" | | |
| | 1 – 800 – 685 – RIDE | 1 | 39 | 9 | 2.44 | | | | | | 1 | | | | | | | | | X | | | | | | | | | | | | | 144 | |
| 2.725 VT 66 LT | JCT | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| | VERMONT 89 | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M1-1 | | |
| 2.750 VT 66 RT | SPEED LIMIT 40 | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R2-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | 42.4 | | | 1 | 38.0 | | | | 371.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHEET TOTALS | | SF ~~70.38~~ 76.38 | SF | EA. | SF | | FT | | FT 42.4 | | LB 38.0 | | EA. 4 | | LB 371.0 | | | EA. | EA. | LB | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

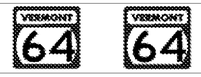
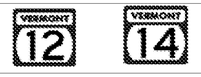
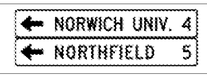
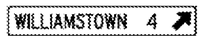
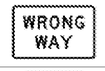
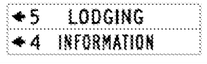
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int4.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 46

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 98 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 47

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #5<br>0.040 RAMP A RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W3-1 | | |
| 0.071 RAMP A RT |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE<br>M3-2 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-5 | | E-136B<br>E-136B |
| |  | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | #2 | | M6-1L GREEN ON WHITE<br>M6-2R GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE<br>M4-5 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-5 | | E-136B<br>E-136B |
| |  | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #2 | | M6-1L GREEN ON WHITE<br>M6-2R GREEN ON WHITE | | |
| 0.099 RAMP A RT |  | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a | | E-123<br>E-123 |
| |  | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | D1-1a | | E-123 |
| 0.127 RAMP A LT |   | 1<br>1 | 54<br>36 | 48<br>24 | 18.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK<br>R5-1a | 145 | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | | | 2 | | | | | | X | | | | | | | | | R9-4a | | |
| 0.127 RAMP A RT |  | 1<br>1<br>1 | 72<br>72<br>36 | 10<br>10<br>24 | 5.00<br>5.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G<br>VD-502F<br>R5-1a BACK TO BACK | | E-133<br>E-133 |
| |  | 1<br>1 | 72<br>72 | 10<br>10 | 5.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502L<br>VD-502I | | E-133<br>E-133 |
| |  | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VD-502C | | E-133 |
| 0.142 RAMP A LT |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 29.2 | FT | | EA. | LB | LB | LB | | LB 785.3 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 47** | | SF 121.01 | SF | EA. | SF | | | FT | | | FT 38.7 | | | LB | EA. 6 | | LB 785.3 | | | EA. | EA. | LB | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 47

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 99 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 48

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS | | | NEW & SALVAGED SIGNS | | | | EXIST POST | | NEW SIGN POSTS | | | | | | | | | | | | | | | | | | REMARKS | SIGN DETAIL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EA | WIDTH (in) | HEIGHT (in) | "A" | "B" | SALV SIGN | SALV TIS | RETAIN | SALVAGE | NO. OF POSTS | FLANGED CHANNEL lb/ft | | | SQUARE STEEL (in) lb/ft | | | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft | | | TUBULAR STEEL DIA (in) lb/ft | | | | | W-SHAPE STEEL FTG. SIZE | | WEIGHT | POST SIZE | SIGN | FRAME | | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
| | | | | | | | | | | | | 1.12 | 2.0 | 3.0 | 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | | | 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | FNDATION | 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | 24" | 30" | | | | | | | |
| 0.146 RAMP A LT | WEST EAST | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | VERMONT 64 VERMONT 64 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | #2 | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R GREEN ON WHITE | | |
| | TO TO | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | VERMONT 12 VERMONT 14 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | #2 | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R GREEN ON WHITE | | |
| 0.165 RAMP A RT | | 1 | | | 3.90 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | R1-2 36" X 36" X 36" | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #5 0.040 RAMP B LT | | 1 | | | 3.90 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | R1-2 36" X 36" X 36" | | |
| 0.070 RAMP B RT | | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| | TURN SIGNAL REQUIRED BEFORE CHANGING LANES | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | VR-002 | | E-142 |
| 0.160 RAMP B RT | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #5 0.040 RAMP C RT | | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| | TURN SIGNAL REQUIRED BEFORE CHANGING LANES | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | VR-002 | | E-142 |
| 0.385 RAMP C RT | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 60.5 | FT | | EA. | LB | LB 45.4 | LB | | LB 426.5 | LB | LB | LB | | | | | | | |
| | SUBTOTALS SHEET 48 | SF | | | 89.06 | SF | EA. | SF | | | FT | | | | FT 60.5 | | | | LB 45.4 | | | EA. 4 | LB 426.5 | | | | EA. | EA. | LB | | | | |

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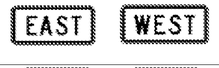
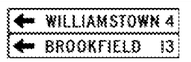
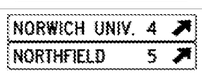
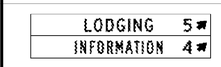
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 48

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 100 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 49

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #5<br>0.054 RAMP D RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W3-1 | | |
| 0.082 RAMP D RT |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE<br>M3-4 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-5 | | E-136B<br>E-136B |
| |  | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | #2 | M6-1L GREEN ON WHITE<br>M6-2R GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE<br>M4-5 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-5 | | E-136B<br>E-136B |
| |  | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | #2 | M6-1L GREEN ON WHITE<br>M6-2R GREEN ON WHITE | | |
| 0.110 RAMP D RT |  | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a | | E-123<br>E-123 |
| |  | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | D1-1a<br>D1-1a | | E-123<br>E-123 |
| 0.138 RAMP D LT |  | 1<br>1 | 54<br>36 | 48<br>24 | ~~18.00~~<br>6.00 | | I | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | BACK TO BACK *SIGN WAS SALAGED<br>R5-1a | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | | | 2 | | | | | | X | | | | | | | | | R9-4a | | |
| 0.138 RAMP D RT |  | 1<br>1<br>1 | 72<br>72<br>36 | 10<br>10<br>24 | 5.00<br>5.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G<br>VD-502F<br>R5-1a BACK TO BACK | | E-133<br>E-133 |
| |  | 1<br>1 | 72<br>72 | 10<br>10 | 5.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502L<br>VD-502I | | E-133<br>E-133 |
| |  | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VD-502C | | E-133 |
| 0.156 RAMP D LT |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | 9.5 | 30.9 | | | | | 137.0 | | | 380.1 | | | | | | | | | | | |
| SUBTOTALS SHEET 49 | | SF ~~127.01~~ 109.01 | SF | EA. | SF | | | FT | | FT 40.4 | | | LB 137.0 | | EA. 2 | | LB 380.1 | | | EA. | EA. | LB | | | | | | | | | | | | | |

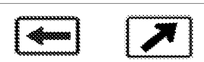
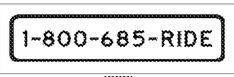
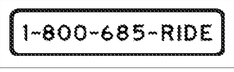
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 49

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 101 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 50

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.158 RAMP D LT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | #2 | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R GREEN ON WHITE | | |
| |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #2 | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R GREEN ON WHITE | | |
| 0.180 RAMP D RT |   | 1 | | | 3.90 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | | | R1-2 36" X 36" X 36" | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #5 0.065 VT 64 LT |   | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | | | R2-1 | | |
| 0.080 VT 64 RT |   | 1 | 30 | 36 | 7.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D4-2L "LEFT ARROW" | | |
| |   | 1 | 36 | 9 | 2.25 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | | | | | 144 | |
| 0.103 VT 64 LT |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | | | R1-1 | | |
| 0.119 VT 64 LT |   | 1 | 30 | 36 | 7.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D4-2R "RIGHT ARROW" | | |
| |   | 1 | 36 | 9 | 2.25 | | | | | | 1 | | | | | X | | | 1 | | | | | | | | | | | | | | | | 144 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FT | FT | FT | FT | FT 71.2 | FT | | EA. | LB | LB | LB | | LB 234.9 | LB | LB | LB | | | | | | | | | |
| SUBTOTALS SHEET 50 | SF 67.41 | SF | EA. | SF | | FT | | | FT 71.2 | | | LB | | EA. 2 | LB 234.9 | | | EA. | EA. | LB | | | | | | | | | | | | | | | | |

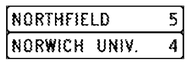
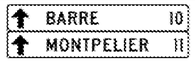
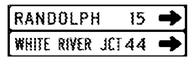
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 50

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 102 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 51

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.120 VT 64 RT |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M1-1 | | |
| 0.147 VT 64 LT |  | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | D2-1 | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D2-1 | | E-123 |
| 0.160 VT 64 RT |  | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| |  | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| 0.175 VT 64 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | #1 | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| 0.176 VT 64 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | OM1-1 | | |
| 0.200 VT 64 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #2 | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R WHITE ON BLUE | | |
| 0.202 VT 64 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FT | FT | FT | FT | FT 103.7 | FT | | EA. 1 | LB | LB | LB | | LB 370.2 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 51** | | SF 88.26 | SF | EA. | SF | | | FT | | | FT 103.7 | | | LB | | EA. 4 | | LB 370.2 | | | | EA. | EA. | LB | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

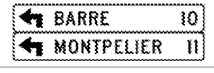
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 51

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 103 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 52

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.210 VT 64 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1<br>BACK TO BACK<br>OM1-1 | | |
| 0.211 VT 64 LT |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1<br>BACK TO BACK<br>R5-1 | | |
| |  | 1<br>1 | 36<br>36 | 12<br>12 | 3.00<br>3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L<br>BACK TO BACK<br>R6-1R | | |
| 0.217 VT 64 LT |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1<br>BACK TO BACK<br>R5-1 | | |
| |  | 1<br>1 | 36<br>36 | 12<br>12 | 3.00<br>3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L<br>BACK TO BACK<br>R6-1R | | |
| 0.225 VT 64 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 0.226 VT 64 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1<br>BACK TO BACK<br>OM1-1 | | |
| 0.238 VT 64 RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | W11-6H FOLDING/HINGED | | |
| 0.270 VT 64 RT |  | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a | | E-123<br>E-123 |
| |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | M5-1L WHITE ON BLUE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 83.3 | FT | | EA. 2 | LB | LB | LB | | LB 212.1 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 52** | | SF 90.63 | SF | EA. | SF | | | | | | | FT | | | | FT 83.3 | | | | LB | | | EA. 2 | LB 212.1 | | | | EA. | EA. | LB | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 52

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 104 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 53

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.271 VT 64 LT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-921L | | E-145A |
| 0.306 VT 64 RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-921L | | E-145A |
| 0.310 VT 64 LT |  | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | M5-1L WHITE ON BLUE | | |
| 0.340 VT 64 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 0.355 VT 64 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 BACK TO BACK OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.362 VT 64 RT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1 BACK TO BACK R5-1 | | |
| | | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L BACK TO BACK R6-1R | | |
| | | 1 | 36 | 12 | 3.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FT | FT | FT | FT | FT 69.8 | FT | | EA. 1 | LB | LB | LB | | LB 212.1 | LB | LB | LB | | | | | | | | | |
| SUBTOTALS SHEET 53 | SF 68.88 | SF | EA. | SF | | FT | | | FT 69.8 | | | LB | | | EA. 2 | LB 212.1 | | | | | EA. | EA. | LB | | | | | | | | | | | | |

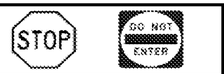
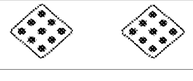
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 53

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 105 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 54

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FNDATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.369 VT 64 RT |  | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1 | | |
| | | 1 | 30 | 30 | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1 | | |
| |  | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R6-1L | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 36 | 12 | 3.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R6-1R | | |
| 0.370 VT 64 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | OM1-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | OM1-1 | | |
| 0.371 VT 64 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM1-1 | | |
| 0.390 VT 64 LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.410 VT 64 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-3 GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | #3 | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R WHITE ON BLUE | | |
| 0.430 VT 64 RT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | #1 | M1-5 | | E-136B |
| 0.432 VT 64 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | OM1-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | OM1-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | | FT 9.5 | FT 87.1 | FT | | EA. 2 | LB | LB 65.8 | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | **SUBTOTALS SHEET 54** | | | SF 84.51 | SF | EA. | SF | | | FT | | | | FT 96.6 | | | | | LB 65.8 | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 54

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 106 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 55

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.450 VT 64 LT | RANDOLPH 15 / WHITE RIVER JCT 44 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | BARRE 10 / MONTPELIER 11 | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| 0.460 VT 64 RT | WILLIAMSTOWN 4 / BROCKFIELD 13 | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | D2-1 | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D2-1 | | E-123 |
| 0.490 VT 64 LT | JCT | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| | 89 | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M1-1 | | |
| 0.495 VT 64 RT | | 1 | 54 | 48 | 18.00 | | I | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | RETAINED OLD SIGN | 145 | |
| 0.497 VT 64 LT | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R1-1 | | |
| 0.530 VT 64 RT | SPEED LIMIT 50 | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R2-1 | | |
| | FT | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | | 78.6 | | | | | 66.9 | | | 184.0 | | | | | | | | | | | |
| **SHEET TOTALS** | | SF ~~71.44~~ 109.01 | SF | EA. I | SF | | FT | | FT 78.6 | | LB 66.9 | EA. 2 | | LB 184.0 | | EA. | EA. | LB | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

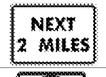
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int5.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 55

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 107 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 56

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #6 0.050 RAMP A RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W3-2 | | |
| 0.128 RAMP A LT |  | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R5-1a | | |
| 0.128 RAMP A RT |  | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R5-1a | | |
| 0.150 RAMP A LT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 | | |
| 0.150 RAMP A RT |  | 1<br>1 | | | 3.90<br>6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-2 36" X 36" X 36"<br>R5-1 | | |
| |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #6 0.070 RAMP B RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | VR-002 | | E-142 |
| 0.110 RAMP B RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W11-3 | | |
| |  | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W7-3a | | |
| 0.165 RAMP B RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #6 0.050 RAMP C RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W1-2L | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W13-1 | | |
| 0.100 - 0.240 RT RAMP C |  | 8 | 18 | 24 | 24.00 | | | | | | 8 | | | | | X | | 8 | | | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 285.0 | FT | | EA. | LB | LB 45.4 | LB | | LB | LB 72.2 | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **SUBTOTALS SHEET 56** | | SF 116.90 | SF | EA. | SF | | | | | | FT | | | | FT 285.0 | | | | | LB 45.4 | | | EA. 1 | | LB 72.2 | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

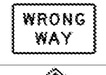
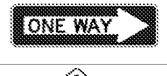
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int6.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 56

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 108 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 57

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.287 RAMP C RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W11-3 | | |
| |   | 1 | 24 | 18 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | W7-3a | | |
| 0.370 RAMP C RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #6 0.040 - 0.124 LT RAMP D |  | 7 | 18 | 24 | 21.00 | | | | | | 7 | | | | | X | | 7 | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 0.150 - 0.236 LT RAMP D |  | 4 | 18 | 24 | 12.00 | | | | | | 4 | | | | | X | | 4 | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #6 0.000 VT 63 LT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-6 GREEN ON WHITE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | M1-5 | | E-136B |
| 0.035 VT63 RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | W4-1R | | |
| 0.050 VT 63 LT |   | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| |   | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-002 | | E-142 |
| 0.079 VT 63 RT |   | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R5-1a | | |
| 0.090 VT 63 LT |   | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | W12-2 | | |
| 0.115 VT 63 CL |   | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R6-1R | | |
| 0.123 VT 63 LT |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM1-1 | | |
| 0.138 VT 63 LT O/H |   | 1<br>1 | 192<br>210 | 150<br>120 | | 200.00<br>175.00 | | | | | | | | | | | | | | | | | | | | | | | | | | OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT | 142<br>142 | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 319.7 | FT | | EA. | LB | LB | LB | | LB 199.2 | LB | LB | LB | | | | | | | |
| **SUBTOTALS SHEET 57** | | | | | SF 104.50 | SF 375.00 | EA. | SF | | | | FT | | | FT 329.2 | | | | | LB | | | EA. 2 | | LB 199.2 | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

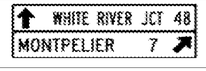
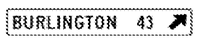
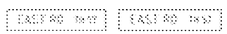
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int6.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 57

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 109 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 58

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.150 VT 63 RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W2-1 | | |
| |   | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | 144 | |
| 0.155 VT 63 CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1<br>BACK-TO-BACK<br>OM1-1 | | |
| 0.170 VT 63 LT |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-921R | | E-145A |
| 0.205 VT 63 LT |   | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE<br>M3-1 WHITE ON BLUE | | |
| |   | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1<br>M1-1 | | |
| |  | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #2 | M6-3 WHITE ON BLUE<br>M6-2R WHITE ON BLUE | | |
| 0.230 VT 63 RT |   | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE<br>M4-5 GREEN ON WHITE | | |
| |   | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | #1 | M1-5<br>M1-5 | | E-136B<br>E-136B |
| 0.240 VT 63 LT |   | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a | | E-123<br>E-123 |
| |   | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | D1-1a | | E-123 |
| 0.250 VT 63 LT |  | | | | | | 1<br>1 | | | | | | | | | | | | | | | | | | | | | | | | | | BACK-TO-BACK | | |
| |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R1-1 | | |
| 0.252 VT 63 RT |   | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |   | | | | | | 1 | | | | 1 | | | | | | | | | | | | 1 | X | | | | | | | | | | |
| 0.260 VT 63 LT |   | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-017 | | E-141 |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 120.0 | FT | | EA. 1 | LB | LB | LB | | LB 440.9 | LB | LB | LB | | | | | | | |
| **SUBTOTALS SHEET 58** | | | SF 87.38 | SF | EA. 4 | SF | | | | | | FT | | | FT 120.0 | | | | | LB | | | EA. 5 | LB 440.9 | | | | EA. | EA. | LB | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int6.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 58

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 110 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 59

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.263 VT 63 RT | [illegible] [illegible] | | | | | | 1<br>1 | | | | | | | | | | | | | | | | | | | | | | | | | | BACK-TO-BACK | | |
| | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | R1-1 | | |
| 0.275 VT 63 RT | SOUTH BARRE 4<br>BARRE 6 | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | D2-1<br>D2-1 | | E-123<br>E-123 |
| 0.320 VT 63 RT | SPEED LIMIT 55 | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | R2-1 | | |
| 0.360 VT 63 LT | JCT | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| | 89 | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | M1-1 | | |
| 0.363 VT 63 RT | ◆4 GAS/DIESEL<br>◆4 FOOD | 1<br>1 | 72<br>72 | 10<br>10 | 5.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G<br>VD-502F | | E-133<br>E-133 |
| | ◆5 LODGING<br>◆5 CAMPING | 1<br>1 | 72<br>72 | 10<br>10 | 5.00<br>5.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | VD-502L<br>VD-502C | | E-133<br>E-133 |
| 0.400 VT 63 LT | | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | W2-1 | | |
| | TRUCKS ENTERING | 1 | 30 | 24 | 5.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | | 144 | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 134.0 | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SHEET TOTALS | | SF 63.44 | SF | EA. 2 | SF | | | | | | FT | | | FT 134.0 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int6.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 59

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 111 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 60

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #7<br>0.170 RAMP A RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W4-3R | | |
| 0.220 RAMP A RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #7<br>0.230 RAMP B RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #7<br>0.150 RAMP C RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W1-2L | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W13-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #7<br>0.030 RAMP D RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W1-15R | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W13-1 | | |
| 0.104 - 0.230 LT<br>RAMP D |  | 10 | 18 | 24 | 30.00 | | | | | | 10 | | | | | X | | 10 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 0.255 RAMP D RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #7<br>0.000 VT 62 LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-6 GREEN ON WHITE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M1-5 | | E-136B |
| 0.050 VT 62 RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 1 | | | | | | | | | | | | | | | W4-3R | | |
| 0.100 VT 62 LT |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 318.9 | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 60** | | SF 101.00 | SF | EA. | SF | | | | FT | | | | | | FT 328.4 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int7.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 60

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 112 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 61

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.115 VT 62 LT O/H | South White River Junction / North Montpelier Burlington | 1 | 192 | 150 | | 200.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT | 142 | |
| | | 1 | 210 | 120 | | 175.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 142 | |
| 0.140 VT 62 LT | PROHIBITED | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| | TURN SIGNAL REQUIRED BEFORE CHANGING LANES | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | VR-002 | | E-142 |
| 0.145 VT 62 CL | ONE WAY | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R6-1R | | |
| 0.178 VT 62 LT | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | VR-921R | | E-145A |
| 0.180 VT 62 RT | EAST TO | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 BLACK ON WHITE | | |
| | VERMONT 62 / 302 | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | #1A | M1-5 | | E-136B |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| 0.220 VT 62 RT | AIRPORT 3 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | BARRE 5 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | BERLIN CORNERS | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1 | | E-123 |
| | PARK & RIDE | 1 | 30 | 36 | 7.50 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | D4-2L "LEFT ARROW" | | |
| 0.230 VT 62 LT | SOUTH NORTH | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | 89 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | #2 | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R WHITE ON BLUE | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBTOTALS SHEET 61 | | SF | | | SF | 82.13 | EA. | | SF | 375.00 | | FT | | | FT | | | | | LB | | | EA. | | LB | | | | EA. | EA. | LB | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | | | |
|---|---|---|---|
| PROJECT NAME: | ROYALTON-MIDDLESEX | | |
| PROJECT NUMBER: | IMG SIGN(19) | | |
| FILE NAME: | 090106_tss_int7.xls | PLOT DATE: | 8/12/2009 |
| PROJECT LEADER: | CRB | DRAWN BY: | JH |
| DESIGNED BY: | BDB | CHECKED BY: | DAM |
| TRAFFIC SIGN SUMMARY SHEET # 61 | | SHEET | 113 OF 163 |

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 62

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN | FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.260 VT 62 RT | GAS/DIESEL 24 HOURS<br>3 FOOD | 1<br>1 | 72<br>72 | 10<br>10 | 5.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G<br>VD-502F | | E-133<br>E-133 |
| | 1 LODGING<br>1 INFORMATION | 1<br>1 | 72<br>72 | 10<br>10 | 5.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502L<br>VD-502I | | E-133<br>E-133 |
| | 1 HOSPITAL | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502H | | E-133 |
| | H | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D9-2 | | E-132 |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | M6-3 WHITE ON BLUE | | |
| 0.270 VT 62 LT | WHITE RIVER JCT 52<br>MONTPELIER 4 | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a | | E-123<br>E-123 |
| | BURLINGTON 40 | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | D1-1a | | E-123 |
| 0.290 VT 62 RT | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | W3-3 | | |
| 0.290 VT 62 CL | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | W3-3 | | |
| 0.320 VT 62 RT | SPEED LIMIT 50 | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | R2-1 | | |
| 0.350 VT 62 RT | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | W11-8 | | |
| 0.380 VT 62 RT | EAST TO | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE<br>REPLACED WITH BLACK ON WHITE<br>~~M4-5 GREEN ON WHITE~~ | | |
| | VERMONT 62 302 | 1<br>1 | 24<br>30 | 24<br>24 | 4.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5<br>M1-4 | | E-136B |
| | | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #2A | M6-3 GREEN ON WHITE<br>REPLACED WITH BLACK ON WHITE<br>~~M6-3 GREEN ON WHITE~~ | | |
| 0.350 VT 62 LT | JCT | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| | INTERSTATE 89 | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | M1-1 | | |
| 0.410 VT 62 RT | ONLY ONLY | 1 | 60 | 30 | 12.50 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | VR-941 | | E-145A |
| | | | | | | | | | | | | FT | FT | FT | FT | FT<br>150.0 | FT | EA. | LB<br>45.9 | LB<br>67.4 | LB | | LB<br>177.1 | LB | LB | LB | | | | | | | | |
| | SUBTOTALS SHEET 62 | SF ~~109.01~~ 117.26 | | | SF | EA. | SF | | | | FT | | | | FT<br>150.0 | | | | | LB<br>113.3 | | | EA.<br>2 | LB<br>177.1 | | | | EA. | EA. | LB | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int7.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 62

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 114 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 63

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS E A | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.468 VT 62 CL | | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK<br>OM1-1 | | |
| 0.475 VT 62 LT | TO | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 WHITE ON BLUE | | |
| | VERMONT 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 0.477 VT 62 LT | EAST TO | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 WHITE ON BLUE | | |
| | VERMONT 62 VERMONT 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #2 | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R WHITE ON BLUE | | |
| 0.484 VT 62 CL | | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | | OM1-1 | | |
| | | 1 | 18 | 18 | 2.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK<br>OM1-1 | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 41.0 | FT | | EA. 2 | LB | LB | LB | | LB 177.1 | LB | LB | LB | | | | | | | | |
| **SHEET TOTALS** | | | | | SF 43.57 | SF | EA. | SF | | | | FT | | | | FT 41.0 | | | | LB | | | EA. 2 | | LB 177.1 | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int7.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 63

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 115 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 64

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #8 0.130 RAMP A RT | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W4-3R | | |
| 0.200 RAMP A RT | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #8 0.050 RAMP B RT | PROHIBITED SIGNS ATTACHED ABOVE AND BELOW | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| | FERM SIGNAL REQUIRED BEFORE CHANGING LANES | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | VR-002 | | E-142 |
| 0.112 RAMP B RT | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #8 0.010 RAMP C RT | | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W1-15R | | |
| | 25 M.P.H. | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W13-1 | | |
| 0.020 -0.076 LT RAMP C | | 5 | 18 | 24 | 15.00 | | | | | | 5 | | | | | X | | 5 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 0.096 - 0.176 LT RAMP C | | 5 | 18 | 24 | 15.00 | | | | | | 5 | | | | | X | | 5 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 0.190 - 0.274 LT RAMP C | | 7 | 18 | 24 | 21.00 | | | | | | 7 | | | | | X | | 7 | | | | | | | | | | | | | | | W1-8R FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 0.308 RAMP C RT | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #8 0.145 RAMP D RT | | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W1-11L | | |
| | 30 M.P.H. | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W13-1 | | |
| 0.224 - 0.344 RT RAMP D | | 7 | 18 | 24 | 21.00 | | | | | | 7 | | | | | X | | 7 | | | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 454.6 | FT | | EA. | LB | LB | LB | | LB 191.6 | LB | LB | LB | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **SUBTOTALS SHEET 64** | SF 143.75 | SF | EA. | SF | | | | | | | FT | | | FT 454.6 | | | LB | | EA. 2 | | | | LB 191.6 | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int8.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 64

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 116 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 65

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FNDATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.364 - 0.410 RT RAMP D |  | 4 | 18 | 24 | 12.00 | | | | | | 4 | | | | | X | | 4 | | | | | | | | | | | | | | | W1-8L FLUORESCENT YELLOW TYPE IX SHEETING | | |
| 0.381 RAMP D RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W12-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #8 0.025 MSH RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W4-3R | | |
| 0.040 MSH LT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W12-2 | | |
| 0.080 MSH LT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-002 | | E-142 |
| 0.095 MSH CL |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1R | | |
| 0.096 MSH LT |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 0.102 MSH LT O/H |  | 1<br>1 | 192<br>210 | 150<br>96 | | 200.00<br>140.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT | 143<br>143 | |
| 0.115 MSH CL |  | 1 | 30 | 36 | 7.50 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | 144 | |
| 0.115 MSH RT |  | 1 | 30 | 36 | 7.50 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | 144 | |
| 0.120 MSH LT |  | 1 | 30 | 30 | 6.25 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | VW-285 | 144 | |
| 0.155 MSH RT |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 BLACK ON WHITE<br>M4-5 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>24 | 24<br>24 | 4.00<br>4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | #1 | M1-4<br>M1-5 | | E-136B |
| 0.157 MSH LT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-921R | | E-145A |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 282.5 | FT | | EA. | LB | LB | LB | | LB 199.1 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 65** | | SF 101.75 | SF 340.00 | EA. | SF | | | | | | | FT | | | FT 292.0 | | | | | LB | | | EA. 2 | LB 199.1 | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int8.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 65

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 117 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 66

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.195 MSH RT | MONTPELIER 1<br>ST. JOHNSBURY 38 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | RAILROAD STATION<br>MONTPELIER JCT | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | PARK & RIDE | 1 | 30 | 36 | 7.50 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | D4-2L "LEFT ARROW" | | |
| 0.210 MSH LT | WHITE RIVER JCT 55<br>BURLINGTON 37 | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| 0.235 MSH RT | 1 GAS/DIESEL 24 HOURS<br>1 FOOD | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502G | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502F | | E-133 |
| | 1 LODGING<br>1 INFORMATION | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502L | | E-133 |
| | | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502I | | E-133 |
| | 6 CAMPING | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-502C | | E-133 |
| | VISITOR CENTER | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 144 | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | M6-3 WHITE ON BLUE | 144 | |
| 0.250 MSH LT | SOUTH NORTH | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | 89 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #2 | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R WHITE ON BLUE | | |
| 0.278 MSH RT | ONLY | 1 | 48 | 30 | 10.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | VR-935L | | E-145B |
| 0.305 MSH LT | YIELD | 1 | | | 3.90 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R1-2 36" X 36" X 36" | | |
| 0.308 MSH LT | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W4-1R | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | FT | FT 104.8 | FT | | EA. | LB | LB 134.3 | LB | | LB 177.1 | LB | LB | LB | | | | | | | | |
| | SUBTOTALS SHEET 66 | SF 113.97 | SF | EA. | SF | | | | FT | | FT 104.8 | | | | LB 134.3 | | | EA. 2 | LB 177.1 | | | | EA. | EA. | LB | | | | | | | | |

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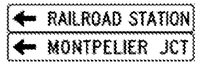
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int8.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 66

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 118 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 67

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FNDATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.323 MSH LT |  | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 WHITE ON BLUE | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | M6-3 WHITE ON BLUE | | |
| 0.325 MSH CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | OM1-1<br>BACK-TO-BACK<br>OM1-1 | | |
| 0.335 MSH LT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R1-1 | | |
| 0.339 MSH RT |  | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | D1-1<br>D1-1 | | E-123<br>E-123 |
| 0.340 MSH LT |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | OM1-1<br>BACK-TO-BACK<br>OM1-1 | | |
| 0.340 MSH RT |  | 1 | 24 | 18 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R6-3a | | |
| 0.348 MSH CL |  | 1 | 24 | 30 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | R4-7 | | |
| |  | 1<br>1 | 18<br>18 | 18<br>18 | 2.25<br>2.25 | | | | | | 1 | | | | | X | | 1 | 1 | | | | | | | | | | | | | OM1-1<br>BACK-TO-BACK<br>OM1-1 | | |
| 0.377 MSH LT |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM1-1 | | |
| 0.377 MSH RT |  | 1 | 30 | 36 | 7.50 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | 144 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | 9.5 | 132.4 | | | 3 | | | | | | | | | | | | | | | | |
| **SHEET TOTALS** | | SF | SF | EA. | SF | | | FT | | | FT | | | LB | | EA. | | LB | | | | EA. | EA. | LB | | | | | | | | | | |
| | | 67.69 | | | | | | | | | 141.9 | | | | | | | | | | | | | | | | | | | | | | | | |

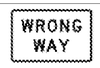
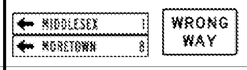
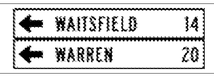
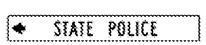
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int8.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 67

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 119 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 68

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #9<br>0.030 RAMP A RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | X | | | | | | | | | | | | | | VR-002 | | E-142 |
| 0.115 RAMP A RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #9<br>0.045 RAMP B RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | W3-1 | | |
| 0.075 RAMP B RT |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 BLACK ON WHITE<br>M4-5 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>30 | 24<br>24 | 4.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4<br>M1-5 | | E-136B |
| |  | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | #2A | M6-1L BLACK ON WHITE<br>M6-1L GREEN ON WHITE | | |
| 0.105 RAMP B LT |  | 1 | 36 | 24 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1a | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | R9-4a | | |
| 0.105 RAMP B RT |  | 1<br>1<br>1 | 72<br>72<br>36 | 12<br>12<br>24 | 6.00<br>6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a<br>R5-1a BACK TO BACK | | E-123<br>E-123 |
| |  | 1<br>1 | 72<br>72 | 12<br>12 | 6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a | | E-123<br>E-123 |
| |  | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | | VD-502SP | | E-133 |
| 0.135 RAMP B LT |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1<br>BACK TO BACK<br>R5-1 | | |
| |  | 1<br>1 | 36<br>36 | 12<br>12 | 3.00<br>3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | R6-1L<br>BACK TO BACK<br>R6-1R | | |
| 0.135 RAMP B RT |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1<br>BACK TO BACK<br>R5-1 | | |
| |  | 1<br>1 | 36<br>36 | 12<br>12 | 3.00<br>3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | R6-1L<br>BACK TO BACK<br>R6-1R | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 102.4 | FT | | EA. | LB | LB | LB | | LB 370.2 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 68** | | SF 132.63 | | | SF | | EA. | | SF | | | FT | | | FT 102.4 | | | | | LB 45.4 | | | EA. 4 | LB 370.2 | | | | EA. | EA. | LB | | | | | |

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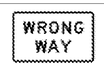
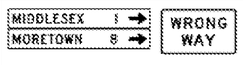
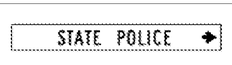
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int9.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 68

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 120 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 69

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #9<br>0.030 RAMP C RT |  | 1 | 36 | 36 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-046 | | E-142 |
| |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VR-002 | | E-142 |
| 0.095 RAMP C RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INT #9<br>0.034 RAMP D RT |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | W3-1 | | |
| 0.072 RAMP D RT |  | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 BLACK ON WHITE<br>M4-5 GREEN ON WHITE | | |
| |  | 1<br>1 | 24<br>30 | 24<br>24 | 4.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4<br>M1-5 | | E-136B |
| |  | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | #2A | M6-1R BLACK ON WHITE<br>M6-1R GREEN ON WHITE | | |
| 0.110 RAMP D LT |  | 1 | 36 | 24 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R5-1a | | |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R9-4a | | |
| 0.110 RAMP D RT |  | 1<br>1<br>1 | 72<br>72<br>36 | 12<br>12<br>24 | 6.00<br>6.00<br>6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a<br>D1-1a<br>R5-1a BACK TO BACK | | E-123<br>E-123 |
| |  | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | | VD-502SP | | E-133 |
| 0.150 RAMP D LT |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1<br>BACK TO BACK<br>R5-1 | | |
| |  | 1<br>1 | 36<br>36 | 12<br>12 | 3.00<br>3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L<br>BACK TO BACK<br>R6-1R | | |
| 0.150 RAMP D RT |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | R1-1<br>BACK TO BACK<br>R5-1 | | |
| |  | 1<br>1 | 36<br>36 | 12<br>12 | 3.00<br>3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R6-1L<br>BACK TO BACK<br>R6-1R | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 101.8 | FT | | EA. | LB | LB | LB | | LB 531.4 | LB | LB | LB | | | | | | | | |
| **SUBTOTALS SHEET 69** | | SF 120.63 | SF | EA. | SF | | | | FT | | | FT 101.8 | | | LB | | | EA. 6 | | LB 531.4 | | | EA. | EA. | LB | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int9.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 69

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 121 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 70

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INT #9 | WATERBURY 6 / STATE POLICE | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| 0.000 MSH LT | | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | VD-502SP | | E-133 |
| 0.000 MSH RT | MIDDLESEX 1 / MORETOWN 8 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | WAITSFIELD 14 / WARREN 20 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | EAST TO WEST | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 BLACK ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 BLACK ON WHITE | | |
| | 2 VERMONT 100B 2 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L BLACK ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | #3B | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R BLACK ON WHITE | | |
| 0.003 MSH LT | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R1-1 | | |
| 0.003 MSH LT | YIELD | 1 | | | 3.90 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R1-2 36" X 36" X 36" | | |
| 0.004 MSH RT | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 0.007 MSH LT | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 0.014 MSH RT | YIELD | 1 | | | 3.90 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R1-2 36" X 36" X 36" | | |
| 0.040 MSH RT | WATERBURY 6 / BURLINGTON 32 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | MONTPELIER 7 / WHITE RIVER JCT 60 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | NORTH SOUTH | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | 89 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | | X | | | | | | #2 | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R WHITE ON BLUE | | |
| | | | | | | | | | | | | FT | FT | FT | FT 19.0 | FT 75.4 | FT | | EA. | LB | LB | LB | | LB | LB 608.4 | LB | LB | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SUBTOTALS SHEET 70 | | SF 119.50 | | SF | EA. | SF | | | | | FT | | | FT 94.4 | | | | | LB | | | EA. 4 | | LB 608.4 | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

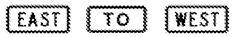
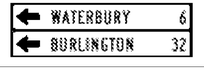
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int9.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 70

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 122 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 71

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.040 MSH LT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 BLACK ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-4 BLACK ON WHITE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L BLACK ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | #3B | M6-1L GREEN ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R BLACK ON WHITE | | |
| 0.050 MSH RT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 BLACK ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1R BLACK ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #2A | M6-1R GREEN ON WHITE | | |
| 0.050 MSH RT |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 0.100 MSH LT |   | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 0.106 MSH RT |   | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| |   | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| |   | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | X | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 16.0 | FT | | EA. | LB | LB 208.0 | LB | | LB 177.1 | LB | LB | LB | | | | | | | |
| SUBTOTALS SHEET 71 | | SF 91.52 | SF | EA. | SF | | | | | | FT | | | | FT 16.0 | | | | | LB 208.0 | | | EA. 2 | LB 177.1 | | | | EA. | EA. | LB | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int9.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 71

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 123 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 72

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 1.7 | 4.0Mod 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.125 MSH LT | NORTH | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 0.125 MSH LT | SOUTH TO NORTH | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-3 WHITE ON BLUE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 BLACK ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-1 WHITE ON BLUE | | |
| | 89 2 89 | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| | | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-1 | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-3 WHITE ON BLUE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #3 | M6-3 BLACK ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L WHITE ON BLUE | | |
| 0.125 MSH LT | TO TO | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 BLACK ON WHITE | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M4-5 GREEN ON WHITE | | |
| | 2 VERMONT 100B | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-4 | | |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 | | E-136B |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-1L BLACK ON WHITE | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | #2A | M6-1L GREEN ON WHITE | | |
| 0.166 MSH LT | STATE HIGHWAY BEGINS | 1 | 24 | 18 | 3.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-039 | | E-141 |
| | STATE HIGHWAY ENDS | 1 | 24 | 18 | 3.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | BACK TO BACK VR-038 | | E-141 |
| 0.166 MSH RT | HIGH GVW LIMIT 24,000 POUNDS | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-017 | | E-141 |
| 0.186 MSH LT | MONTPELIER 7 / WHITE RIVER JCT 60 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| | WATERBURY 6 / BURLINGTON 32 | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | D1-1a | | E-123 |
| | | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | D1-1a | | E-123 |
| 0.226 MSH LT | JCT | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | M2-1 WHITE ON BLUE | | |
| | 89 | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | M1-1 | | |
| 0.178 MSH RT | SALVAGED SIGNS | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | RESET EXISTING SIGN ON NEW POST | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT 58.7 | FT | | EA. | LB | LB | LB | | LB 555.7 | LB | LB | LB | | | | | | | | |
| | SUBTOTALS SHEET 72 | SF 91.33 | SF | EA. | SF | | | | FT | | | FT 58.7 | | | LB | | | EA. 6 | LB 555.7 | | | EA. | EA. | LB | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_int9.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 72

PLOT DATE: 8/12/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 124 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 73

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARKING AREA RANDOLPH-SB MM 29.675 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.050 RT |  | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R5-1a | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.068 LT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 | | |
| 0.068 RT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 REPLACEMENT FOR SIGN DAMAGED IN TRAFFIC ACCIDENT. | | |
| 0.090 RT |  | | | | | | 1 | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.110 RT |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-648 | | E-144 |
| 0.130 RT |  | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-602 | 145 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.145 RT |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1L | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.160 RT |  | | | | | | 1 | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FT | FT | FT | FT | FT 122.5 | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | | | |
| SUBTOTALS SHEET 73 | SF 30.50 | SF | EA. 2 | SF | | FT | | | FT 122.5 | | | | | LB | | EA. | | LB | | | EA. | EA. | LB | | | | | | | | | | | | |

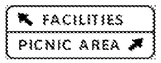
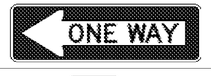
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_restareas.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 73

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 125 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 74

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | SIGN DIMENSIONS WIDTH (in) | SIGN DIMENSIONS HEIGHT (in) | NEW & SALVAGED SIGNS "A" | NEW & SALVAGED SIGNS "B" | NEW & SALVAGED SIGNS SALV SIGN | NEW & SALVAGED SIGNS SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | FLANGED CHANNEL lb/ft 2.0 | FLANGED CHANNEL lb/ft 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | SQUARE STEEL (in) 2.0 lb/ft 2.42 | SQUARE STEEL (in) 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | TUBULAR ALUMINUM DIA (in) 4.0 lb/ft 1.7 | TUBULAR ALUMINUM DIA (in) 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | TUBULAR STEEL DIA (in) 3.0 lb/ft 7.6 | TUBULAR STEEL DIA (in) 3.5 lb/ft 9.0 | TUBULAR STEEL DIA (in) 4.0 lb/ft 10.8 | TUBULAR STEEL DIA (in) 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | W-SHAPE STEEL FTG. SIZE 30" | W-SHAPE STEEL WEIGHT | W-SHAPE STEEL POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | SIGN DETAIL STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REST AREA RANDOLPH-SB MM 33.600 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.050 RAMP A LT |   | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R5-1a | | |
| 0.050 RAMP A RT |   | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R5-1a | | |
| 0.070 RAMP A LT |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R5-1 | | |
| 0.070 RAMP A RT |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R5-1 | | |
| 0.086 RAMP A LT |  | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | OM1-1 | | |
| 0.087 RAMP A LT |   | 1 | 102 | 42 | | 29.75 | | | | | 2 | | | | | | | | | | | | 2 | X | | | | | | | | 145 | |
| 0.160 RAMP A RT |   | 1 | 30 | 24 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | VR-032 | | E-144 |
| 0.315 RAMP A LT |   | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R3-2<br>BACK TO BACK<br>R5-1 | | |
| 0.315 RAMP A RT |   | 1<br>1 | <br>30 | <br>30 | 3.90<br>6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | R1-2 36" X 36" X 36"<br>BACK TO BACK<br>R5-1 | | |
| 0.330 RAMP A LT |   | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R6-1R | | |
| 0.330 RAMP A RT |   | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | R6-1L | | |
| 0.350 RAMP A RT |   | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | VR-602 | 145 | |
| 0.372 RAMP A RT |   | | | | | | 1 | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 205.2 | FT | | EA. | LB | LB | LB | | LB 144.4 | LB | LB | LB | | | | | | | |
| SUBTOTALS SHEET 74 | | | SF 65.40 | SF 29.75 | EA. 1 | SF | | | | | FT | | | FT 214.7 | | | | | LB | | | EA. 2 | LB 144.4 | | | | EA. | EA. | LB | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_restareas.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 74

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 75

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.030 RAMP B RT |  | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-10R | 145 | |
| |  | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VD-239L | 145 | |
| 0.050 RAMP B RT |  | 1 | 30 | 24 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-032 | | E-144 |
| 0.060 RAMP B LT |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-648 | | E-144 |
| 0.070 RAMP B RT |  | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | 1 | 12 | 18 | 1.50 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | 145 | |
| 0.078 RAMP B RT |  | 1 | 12 | 18 | 1.50 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | | 145 | |
| 0.086 RAMP B RT |  | 1 | 12 | 18 | 1.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | |
| |  | 1 | 12 | 6 | 0.50 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R7-8b | | |
| 0.093 RAMP B LT |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-648 | | E-144 |
| 0.093 RAMP B RT |  | 1 | 24 | 36 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VR-278 | | E-144 |
| |  | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | | | | | X | | | | | | | | | | | | | VR-648 | | E-144 |
| 0.110 RAMP B RT |  | 1 | 36 | 12 | 3.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R6-1L | | |
| 0.130 RAMP B LT |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 | | |
| 0.130 RAMP B RT |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R3-2<br>BACK TO BACK<br>R5-1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | FT | FT | FT | FT | FT 135.0 | FT | | EA. | | LB | LB 18.2 | LB | | LB | | LB | LB | LB | | | | | | | | | | | | | | | | |
| | SUBTOTALS SHEET 75 | SF 58.75 | SF | EA. 1 | SF | | FT | | FT 135.0 | | LB 18.2 | | | EA. | LB | | | | | EA. | EA. | LB | | | | | | | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_restareas.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 75

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 76

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | 2.0 lb/ft 2.42 | 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | 4.0 lb/ft 1.7 | 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 lb/ft 7.6 | 3.5 lb/ft 9.0 | 4.0 lb/ft 10.8 | 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REST AREA RANDOLPH-NB MM 34.450 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.027 RAMP A LT | WRONG WAY | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R5-1a | | |
| 0.027 RAMP A RT | WRONG WAY | 1 | 36 | 24 | 6.00 | | | | | | 2 | | | | | X | | 2 | | | | | | | | | | | | | | | R5-1a | | |
| 0.040 RAMP A LT | DO NOT ENTER | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 | | |
| 0.040 RAMP A RT | DO NOT ENTER | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 | | |
| 0.048 RAMP A LT | | 1 | 18 | 18 | 2.25 | | | | | | 1 | | | | X | | | 1 | | | | | | | | | | | | | | | OM1-1 | | |
| 0.090 RAMP B RT | PROHIBITED | 1 | 30 | 24 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-032 | | E-144 |
| 0.200 RAMP B RT | SAFETY BELTS REQUIRED | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | VR-602 | 145 | |
| 0.225 RAMP B LT | DO NOT ENTER | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 | | |
| 0.225 RAMP B RT | DO NOT ENTER | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | 1 | | | | | | | | | | | | | | | R5-1 | | |

OMIT PER OOC 1

THESE WERE OMITTED AT PRE CONSTRUCTION WRITTEN ORDER #1

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | FT | FT | FT | FT 9.5 | FT 123.5 | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| SHEET TOTALS | | SF 49.25 | SF | EA. | SF | | FT | | FT 133.0 | | | | | | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_restareas.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 76

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 128 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 77

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | SIGN DIMENSIONS WIDTH (in) | SIGN DIMENSIONS HEIGHT (in) | NEW & SALVAGED SIGNS "A" | NEW & SALVAGED SIGNS "B" | NEW & SALVAGED SIGNS SALV SIGN | NEW & SALVAGED SIGNS SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | FLANGED CHANNEL lb/ft 2.0 | FLANGED CHANNEL lb/ft 3.0 | SQUARE STEEL (in) 1.75 lb/ft 1.88 | SQUARE STEEL (in) 2.0 lb/ft 2.42 | SQUARE STEEL (in) 2.5 lb/ft 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3 | TUBULAR ALUMINUM DIA (in) 4.0 lb/ft 1.7 | TUBULAR ALUMINUM DIA (in) 4.0Mod lb/ft 1.7 | TUBULAR STEEL DIA (in) FNDATION | TUBULAR STEEL DIA (in) 3.0 lb/ft 7.6 | TUBULAR STEEL DIA (in) 3.5 lb/ft 9.0 | TUBULAR STEEL DIA (in) 4.0 lb/ft 10.8 | TUBULAR STEEL DIA (in) 5.0 lb/ft 14.6 | W-SHAPE STEEL FTG. SIZE 24" | W-SHAPE STEEL FTG. SIZE 30" | W-SHAPE STEEL WEIGHT | W-SHAPE STEEL POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | SIGN DETAIL STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SUBTOTALS SHEET 1 | | | | 130.56 | 646.50 | 0 | 0.00 | | | | | 0.0 | | | 474.0 | | | | 49.6 | | 4 | | 387.6 | | | 8 | 0 | 3625 | | | | | | |
| | SUBTOTALS SHEET 2 | | | | 163.63 | 68.00 | 0 | 0.00 | | | | | 0.0 | | | 86.1 | | | | 212.6 | | 11 | | 1332.8 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 3 | | | | 89.25 | 592.50 | 1 | 0.00 | | | | | 0.0 | | | 79.5 | | | | 0.0 | | 4 | | 372.4 | | | 10 | 0 | 3521 | | | | | | |
| | SUBTOTALS SHEET 4 | | | | 137.13 | 95.50 | 0 | 0.00 | | | | | 0.0 | | | 86.6 | | | | 69.9 | | 11 | | 1482.2 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 5 | | | | 97.00 | 418.00 | 0 | 0.00 | | | | | 0.0 | | | 161.9 | | | | 0.0 | | 6 | | 854.6 | | | 4 | 0 | 1404 | | | | | | |
| | SUBTOTALS SHEET 6 | | | | 126.38 | 577.25 | 0 | 0.00 | | | | | 0.0 | | | 80.2 | | | | 49.6 | | 7 | | 691.6 | | | 6 | 0 | 2603 | | | | | | |
| | SUBTOTALS SHEET 7 | | | | 168.50 | 225.00 | 0 | 0.00 | | | | | 0.0 | | | 63.7 | | | | 121.2 | | 10 | | 1134.3 | | | 2 | 0 | 855 | | | | | | |
| | SUBTOTALS SHEET 8 | | | | 131.38 | 537.00 | 0 | 0.00 | | | | | 0.0 | | | 114.1 | | | | 49.6 | | 7 | | 684.0 | | | 6 | 0 | 2468 | | | | | | |
| | SUBTOTALS SHEET 9 | | | | 150.00 | 601.00 | 0 | 0.00 | | | | | 0.0 | | | 54.0 | | | | 129.4 | | 6 | | 765.7 | | | 8 | 0 | 2817 | | | | | | |
| | SUBTOTALS SHEET 10 | | | | 134.38 | 160.00 | 0 | 0.00 | | | | | 0.0 | | | 112.6 | | | | 164.8 | | 5 | | 501.6 | | | 2 | 0 | 805 | | | | | | |
| | SUBTOTALS SHEET 11 | | | | 179.00 | 446.50 | 0 | 0.00 | | | | | 0.0 | | | 54.5 | | | | 121.2 | | 8 | | 906.3 | | | 6 | 0 | 1820 | | | | | | |
| | SUBTOTALS SHEET 12 | | | | 175.25 | 333.50 | 0 | 0.00 | | | | | 0.0 | | | 691.9 | | | | 49.6 | | 4 | | 395.2 | | | 4 | 0 | 1553 | | | | | | |
| | SUBTOTALS SHEET 13 | | | | 123.13 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 191.6 | | | | 146.2 | | 3 | | 319.2 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 14 | | | | 177.00 | 27.00 | 0 | 0.00 | | | | | 0.0 | | | 109.6 | | | | 244.7 | | 8 | | 970.9 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 15 | | | | 108.00 | 448.25 | 0 | 0.00 | | | | | 0.0 | | | 129.7 | | | | 62.8 | | 6 | | 884.9 | | | 4 | 0 | 1685 | | | | | | |
| | SUBTOTALS SHEET 16 | | | | 154.63 | 205.50 | 0 | 0.00 | | | | | 0.0 | | | 47.4 | | | | 146.2 | | 7 | | 816.6 | | | 2 | 0 | 889 | | | | | | |
| | SUBTOTALS SHEET 17 | | | | 58.00 | 27.00 | 0 | 0.00 | | | | | 0.0 | | | 73.7 | | | | 54.4 | | 4 | | 440.8 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 18 | | | | 148.22 | 30.00 | 0 | 0.00 | | | | | 0.0 | | | 326.4 | | | | 166.5 | | 7 | | 818.9 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 19 | | | | 131.50 | 767.50 | 0 | 0.00 | | | | | 0.0 | | | 104.8 | | | | 0.0 | | 6 | | 646.0 | | | 6 | 0 | 3001 | | | | | | |
| | SUBTOTALS SHEET 20 | | | | 25.50 | 123.50 | 7 | 0.00 | | | | | 0.0 | | | 67.8 | | | | 0.0 | | 13 | | 1790.6 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 21 | | | | 93.25 | 647.50 | 1 | 0.00 | | | | | 0.0 | | | 79.7 | | | | 0.0 | | 4 | | 741.1 | | | 10 | 0 | 3971 | | | | | | |
| | SUBTOTALS SHEET 22 | | | | 121.00 | 66.00 | 0 | 0.00 | | | | | 0.0 | | | 170.1 | | | | 0.0 | | 10 | | 1379.5 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 23 | | | | 105.38 | 349.00 | 0 | 0.00 | | | | | 0.0 | | | 80.0 | | | | 119.5 | | 5 | | 478.8 | | | 4 | 0 | 1910 | | | | | | |
| | SUBTOTALS SHEET 24 | | | | 151.50 | 610.75 | 0 | 0.00 | | | | | 0.0 | | | 63.1 | | | | 71.6 | | 8 | | 1011.9 | | | 6 | 0 | 2779 | | | | | | |
| | SUBTOTALS SHEET 25 | | | | 115.38 | 474.75 | 0 | 0.00 | | | | | 0.0 | | | 112.6 | | | | 68.2 | | 7 | | 684.0 | | | 6 | 0 | 2417 | | | | | | |
| | SUBTOTALS SHEET 26 | | | | 152.00 | 525.75 | 0 | 0.00 | | | | | 0.0 | | | 53.8 | | | | 71.6 | | 10 | | 1493.3 | | | 4 | 0 | 2137 | | | | | | |
| | SUBTOTALS SHEET 27 | | | | 114.38 | 323.50 | 0 | 0.00 | | | | | 0.0 | | | 112.8 | | | | 69.9 | | 7 | | 684.0 | | | 4 | 0 | 1900 | | | | | | |
| | SUBTOTALS SHEET 28 | | | | 153.00 | 517.00 | 0 | 0.00 | | | | | 0.0 | | | 73.9 | | | | 69.9 | | 10 | | 1354.2 | | | 6 | 0 | 2361 | | | | | | |
| | SUBTOTALS SHEET 29 | | | | 120.38 | 354.00 | 0 | 0.00 | | | | | 0.0 | | | 181.3 | | | | 0.0 | | 7 | | 699.2 | | | 4 | 0 | 2151 | | | | | | |
| | SUBTOTALS SHEET 30 | | | | 188.00 | 540.00 | 0 | 0.00 | | | | | 0.0 | | | 267.6 | | | | 99.2 | | 2 | | 205.2 | | | 6 | 0 | 2574 | | | | | | |
| | SUBTOTALS SHEET 31 | | | | 138.00 | 36.00 | 0 | 0.00 | | | | | 0.0 | | | 165.2 | | | | 192.8 | | 6 | | 712.4 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 32 | | | | 137.38 | 30.00 | 0 | 0.00 | | | | | 0.0 | | | 80.0 | | | | 169.1 | | 7 | | 793.8 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 33 | | | | 84.25 | 519.75 | 0 | 0.00 | | | | | 0.0 | | | 76.4 | | | | 0.0 | | 0 | | 0.0 | | | 6 | 0 | 3059 | | | | | | |
| | SUBTOTALS SHEET 34 | | | | 29.69 | 0.00 | 10 | 0.00 | | | | | 0.0 | | | 180.4 | | | | 62.4 | | 0 | | 0.0 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 35 | | | | 94.89 | 0.00 | 6 | 0.00 | | | | | 0.0 | | | 73.9 | | | | 111.7 | | 2 | | 234.9 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 36 | | | | 103.14 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 102.7 | | | | 0.0 | | 4 | | 418.9 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 37 | | | | 76.39 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 88.4 | | | | 65.8 | | 0 | | 0.0 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 38 | | | | 92.70 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 108.5 | | | | 0.0 | | 4 | | 363.4 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 39 | | | | 125.82 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 72.3 | | | | 0.0 | | 8 | | 755.7 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 40 | | | | 138.57 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 89.6 | | | | 192.8 | | 0 | | 0.0 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 41 | | | | 100.69 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 87.7 | | | | 66.5 | | 2 | | 177.9 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 42 | | | | 78.32 | 0.00 | 1 | 0.00 | | | | | 0.0 | | | 85.6 | | | | 0.0 | | 4 | | 378.6 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 43 | | | | 64.95 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 71.3 | | | | 0.0 | | 2 | | 185.5 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 44 | | | | 49.07 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 46.8 | | | | 98.4 | | 0 | | 0.0 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 45 | | | | 81.33 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 57.3 | | | | 131.6 | | 0 | | 0.0 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 46 | | | | 70.38 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 42.4 | | | | 38.0 | | 4 | | 371.0 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 47 | | | | 121.01 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 38.7 | | | | 0.0 | | 6 | | 785.3 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 48 | | | | 89.06 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 60.5 | | | | 45.4 | | 4 | | 426.5 | | | 0 | 0 | 0 | | | | | | |
| | SUBTOTALS SHEET 49 | | | | 127.01 | 0.00 | 0 | 0.00 | | | | | 0.0 | | | 40.4 | | | | 137.0 | | 2 | | 380.1 | | | 0 | 0 | 0 | | | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | **SUBTOTALS SHEET 77** | | | | SF 5725.36 | SF 11323.50 | EA. 26 | SF 0.00 | | | | FT 0.0 | | | FT 5,873.1 | | | | | LB 3719.7 | | EA. 262 | | LB 30911.4 | | | EA. 124 | EA. 0 | LB 52305 | | | | | | |

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_totals.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 77

PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 129 OF 163

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 78

| MILE MARKER, STATION OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 1.75 2.0 2.5 lb/ft 1.88 2.42 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM DIA (in) 3.0 4.0 4.0Mod lb/ft 1.3 1.7 1.7 | TUBULAR STEEL DIA (in) FND-ATION | 3.0 3.5 4.0 5.0 lb/ft 7.6 9.0 10.8 14.6 | W-SHAPE STEEL FTG. SIZE 24" 30" WEIGHT POST SIZE | SIGN FRAME | REMARKS | SIGN DETAIL DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SUBTOTALS SHEET 50 | | | | 67.41 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 71.2 | | | 0.0 | 2 | 234.9 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 51 | | | | 88.26 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 103.7 | | | 0.0 | 4 | 370.2 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 52 | | | | 90.63 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 83.3 | | | 0.0 | 2 | 212.1 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 53 | | | | 68.88 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 69.8 | | | 0.0 | 2 | 212.1 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 54 | | | | 84.51 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 96.6 | | | 65.8 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 55 | | | | 71.44 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 78.6 | | | 66.9 | 2 | 184.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 56 | | | | 116.90 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 285.0 | | | 45.4 | 1 | 72.2 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 57 | | | | 104.50 | 375.00 | 0 | 0.00 | | | | | 0.0 | | 329.2 | | | 0.0 | 2 | 199.2 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 58 | | | | 87.38 | 0.00 | 4 | 0.00 | | | | | 0.0 | | 120.0 | | | 0.0 | 5 | 440.9 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 59 | | | | 63.44 | 0.00 | 2 | 0.00 | | | | | 0.0 | | 134.0 | | | 0.0 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 60 | | | | 101.00 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 328.4 | | | 0.0 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 61 | | | | 82.13 | 375.00 | 0 | 0.00 | | | | | 0.0 | | 74.1 | | | 138.8 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 62 | | | | 117.26 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 150.0 | | | 113.3 | 2 | 177.1 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 63 | | | | 43.57 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 41.0 | | | 0.0 | 2 | 177.1 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 64 | | | | 143.75 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 454.6 | | | 0.0 | 2 | 191.6 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 65 | | | | 101.75 | 340.00 | 0 | 0.00 | | | | | 0.0 | | 292.0 | | | 0.0 | 2 | 199.1 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 66 | | | | 113.97 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 104.8 | | | 134.3 | 2 | 177.1 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 67 | | | | 67.69 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 141.9 | | | 0.0 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 68 | | | | 132.63 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 102.4 | | | 45.4 | 4 | 370.2 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 69 | | | | 120.63 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 101.8 | | | 0.0 | 6 | 531.4 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 70 | | | | 119.50 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 94.4 | | | 0.0 | 4 | 608.4 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 71 | | | | 91.52 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 16.0 | | | 208.0 | 2 | 177.1 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 72 | | | | 91.33 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 58.7 | | | 0.0 | 6 | 555.7 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 73 | | | | 30.50 | 0.00 | 2 | 0.00 | | | | | 0.0 | | 122.5 | | | 0.0 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 74 | | | | 65.40 | 29.75 | 1 | 0.00 | | | | | 0.0 | | 214.7 | | | 0.0 | 2 | 144.4 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 75 | | | | 58.75 | 0.00 | 1 | 0.00 | | | | | 0.0 | | 135.0 | | | 18.2 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 76 | | | | 49.25 | 0.00 | 0 | 0.00 | | | | | 0.0 | | 133.0 | | | 0.0 | 0 | 0.0 | 0 0 0 | | | | |
| | SUBTOTALS SHEET 77 | | | | 5725.36 | 11323.50 | 26 | 0.00 | | | | | 0.0 | | 5873.1 | | | 3719.7 | 262 | 30911.4 | 124 0 52305 | | | | |
| | SUBTOTAL | | | | 8099.34 | 12443.25 | 36 | 0.00 | | | | | 0.0 | | 9809.8 | | | 4555.8 | 316 | 36146.2 | 124 0 52305 | | | | |
| | ROUNDING | | | | 0.66 | 0.75 | 0 | 0.00 | | | | | 0.0 | | 0.2 | | | 0.2 | 0 | 0.8 | 0 0 0 | | | | |
| | | | | | | | | | | | | FT | FT | FT | FT | FT | FT | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | |
| | PROJECT TOTALS | | | | SF 8983.69 ~~8100.00~~ | SF 12684.50 ~~12443.00~~ | EA. 36 | SF 0.00 | | | | FT 0.0 | | | FT 9,810.0 | | | LB 4556.0 | EA. 316 | LB 36147.0 | EA. 124 | EA. 0 | LB 52305 | | | |

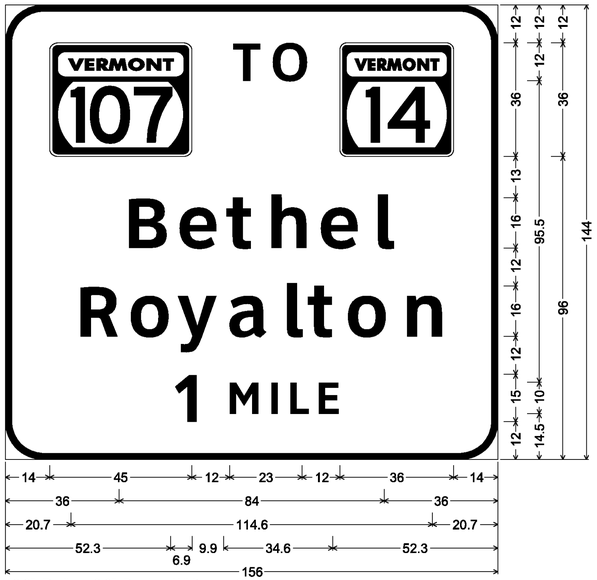
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: ROYALTON - MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: 090106_tss_totals.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 8/12/2009
DRAWN BY: JH
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 78
SHEET 130 OF 163

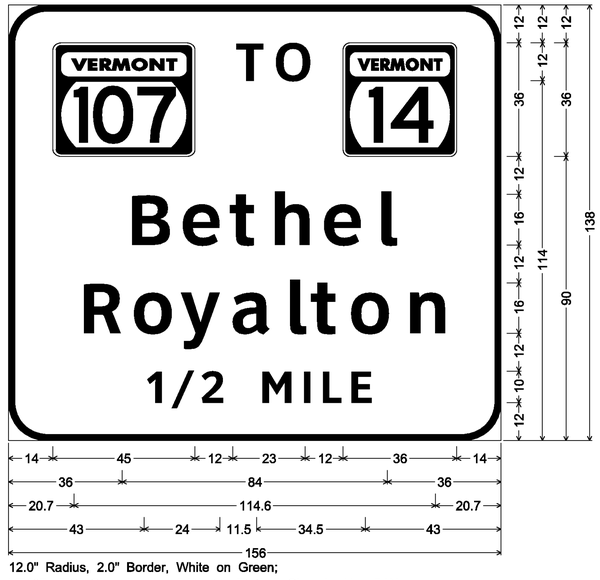
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## MM 21.320 NB



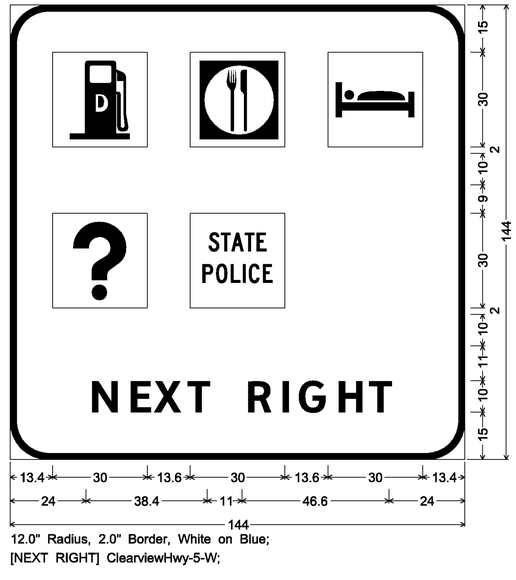

12.0" Radius, 2.0" Border, White on Green;
VT107; [TO] ClearviewHwy-5-W; 14; [Bethel] ClearviewHwy-5-W;
[Royalton] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

## MM 21.650 NB




12.0" Radius, 2.0" Border, White on Green;
VT107; [TO] ClearviewHwy-5-W; 14; [Bethel] ClearviewHwy-5-W;
[Royalton] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

## MM 21.920 NB




12.0" Radius, 2.0" Border, White on Blue;
[NEXT RIGHT] ClearviewHwy-5-W;

GENERAL SIGN DETAIL NOTES

1. THE NOTE BELOW EACH SIGN DETAIL INCLUDES THE CORNER RADII, BORDER WIDTH, TEXT COLOR, BACKGROUND COLOR AND TEXT SERIES TO BE USED.

2. COLORS: UNLESS NOTED OTHERWISE, WHITE ON GREEN AND WHITE ON BLUE SIGNIFIES WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN OR BLUE ASTM TYPE III RETROFREFLECTIVE BACKGROUND. BLACK ON YELLOW AND BLACK ON WHITE SIGNIFIES BLACK LEGEND AND BORDER ON YELLOW OR WHITE ASTM TYPE III (MINIMUM) RETROREFLECTIVE BACKGROUND. ALL COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY AASHTO AND APPROVED BY FHWA.

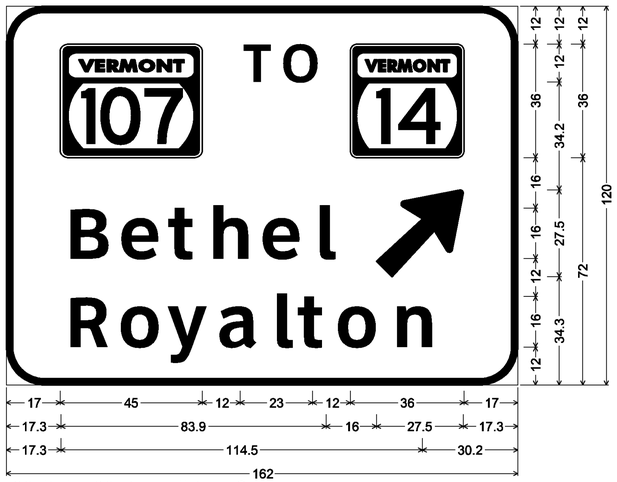
3. TEXT LAYOUT DIMENSIONS ARE BASED ON THE CLEARVIEW FONT OR THE STANDARD ALPHABETS SPACING CHARTS FOUND IN THE MUTCD "STANDARD HIGHWAY SIGNS" PUBLICATION. MINOR VARIATIONS IN TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES WHICH AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE ATTENTION OF THE VTRANS' TRAFFIC AND SAFETY SECTION BEFORE FABRICATION.

4. UNLESS NOTED OTHERWISE, THE DESIGN/DIMENSIONS FOR SYMBOLS SHOWN ON THESE SIGNS CAN BE FOUND IN VTRANS' STANDARDS OR IN THE STANDARD HIGHWAY SIGNS PUBLICATION.

5. FOR GUIDE SIGN ROUTE MARKER DETAILS SEE STD'S E-135, E-136A AND E-136B.

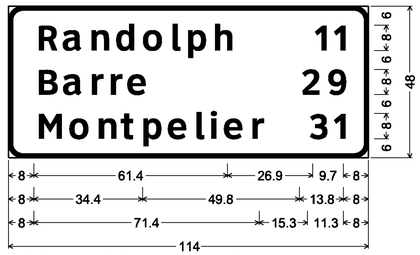
6. THE NOTE BELOW EACH GUIDE SIGN DETAIL SPECIFIES APPROPRIATE ARROW LENGTHS WHEN APPLICABLE. FOR ARROW DIMENSIONS REFER TO GUIDE SIGN ARROW DETAILS IN THE STANDARD HIGHWAY SIGNS PUBLICATION.

## MM 22.135 NB



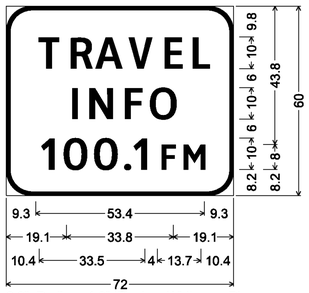

12.0" Radius, 2.0" Border, White on Green;
VT107; [TO] ClearviewHwy-5-W; 14; [Bethel] ClearviewHwy-5-W;
Arrow 160 - 35.0" 45°; [Royalton] ClearviewHwy-5-W;

## MM 23.210 NB




4.5" Radius, 1.3" Border, White on Green;
[Randolph] ClearviewHwy-5-W;
[Barre] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W;
[11] ClearviewHwy-5-W; [29] ClearviewHwy-5-W;
[31] ClearviewHwy-5-W;

## MM 27.040 NB
## MM 38.150 SB



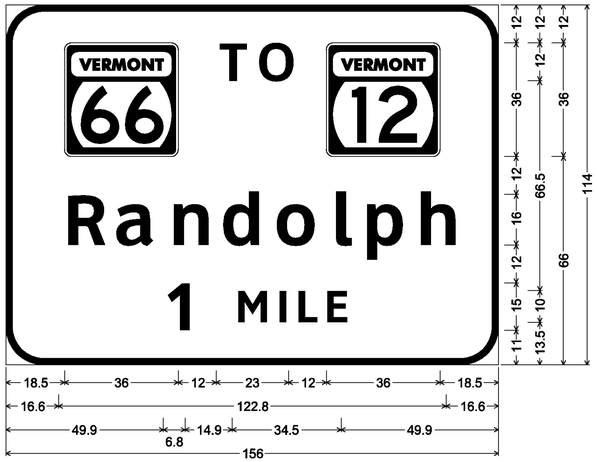

8.0" Radius, 1.3" Border, White on Blue;
[TRAVEL] ClearviewHwy-4-W;
[INFO] ClearviewHwy-4-W;
[100.1] ClearviewHwy-4-W 70% spacing;
[FM] ClearviewHwy-4-W;

**SIGN DETAIL SHEET 1**

| | |
|---|---|
| PROJECT NAME: ROYALTON-MIDDLESEX | |
| PROJECT NUMBER: IMG SIGN(19) | |
| FILE NAME: z09a020signdet.dgn | PLOT DATE: 8/12/2009 |
| PROJECT LEADER: CRB | DRAWN BY: JBZ |
| DESIGNED BY: JBZ | CHECKED BY: BDB |
| CLD REF. NO.: 09-0106 | SHEET 132 OF 163 |

MODEL: 01

**MM 29.680 NB**
**MM 32.060 SB**



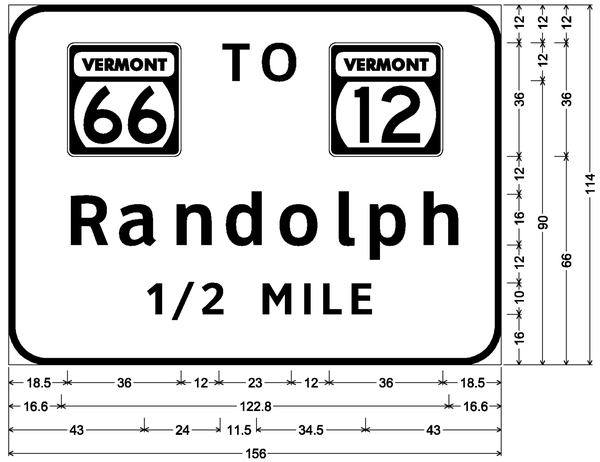

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [Randolph] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

**MM 29.930 NB**
**MM 31.820 SB**



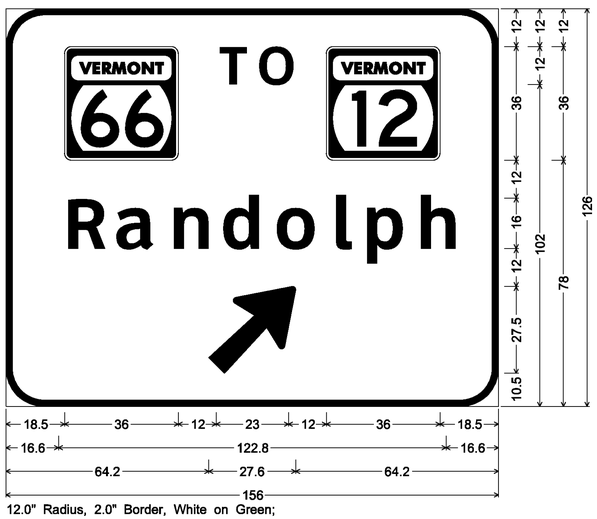

12.0" Radius, 2.0" Border, White on Green;
[VT Veterans Cemetery] ClearviewHwy-5-W 75% spacing; [VT Technical College] ClearviewHwy-5-W 75% spacing;
[EXIT 4] ClearviewHwy-5-W;

**MM 30.180 NB**
**MM 31.570 SB**



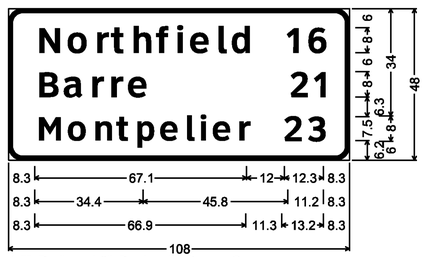

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [Randolph] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

**MM 30.500 NB**
**MM 31.200 SB**



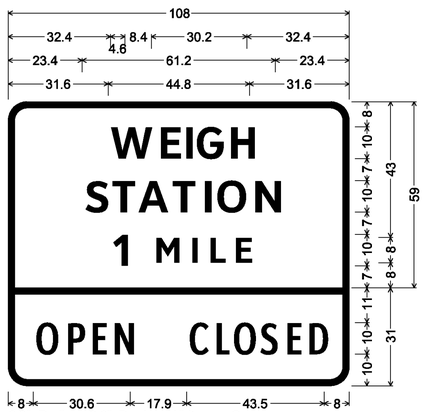

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [Randolph] ClearviewHwy-5-W;
Arrow 160 - 35.0" 45°;

**MM 31.930 NB**

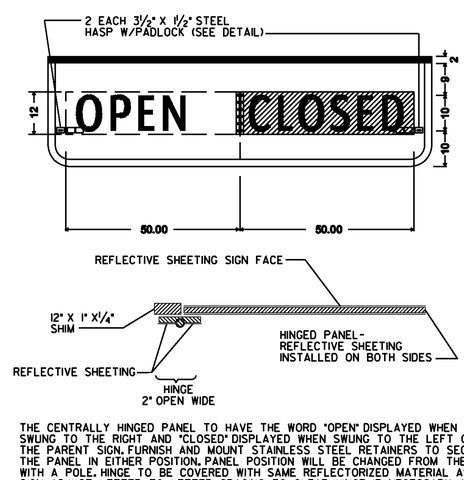



4.5" Radius, 1.3" Border, White on Green;
[Northfield] ClearviewHwy-5-W;
[Barre] ClearviewHwy-5-W; [16] ClearviewHwy-5-W;
[21] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W;
[23] ClearviewHwy-5-W;

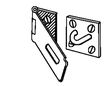
**MM 33.426 NB**

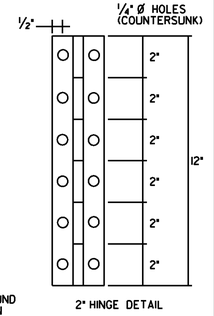



6.0" Radius, 2.0" Border, White on Green;
[WEIGH] ClearviewHwy-5-W specified length;
[STATION] ClearviewHwy-5-W specified length;
[1 MILE] ClearviewHwy-5-W specified length;
6.0" Radius, 2.0" Border, White on Green;
[OPEN] ClearviewHwy-2-W;
[CLOSED] ClearviewHwy-2-W;




THE CENTRALLY HINGED PANEL TO HAVE THE WORD "OPEN" DISPLAYED WHEN SWUNG TO THE RIGHT AND "CLOSED" DISPLAYED WHEN SWUNG TO THE LEFT ON THE PARENT SIGN. FURNISH AND MOUNT STAINLESS STEEL RETAINERS TO SECURE THE PANEL IN EITHER POSITION. PANEL POSITION WILL BE CHANGED FROM THE GROUND WITH A POLE. HINGE TO BE COVERED WITH SAME REFLECTORIZED MATERIAL AS MAIN SIGN. ADJUST LETTER TO LETTER SPACING TO CLEAR HINGE IF NECESSARY AND OTHER LETTERS ACCORDINGLY.



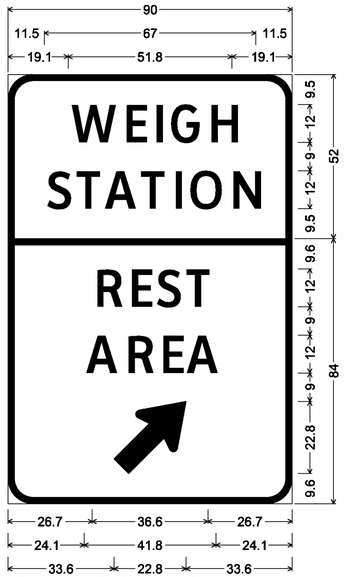

**SIGN DETAIL**
**SHEET 2**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 133 OF 163

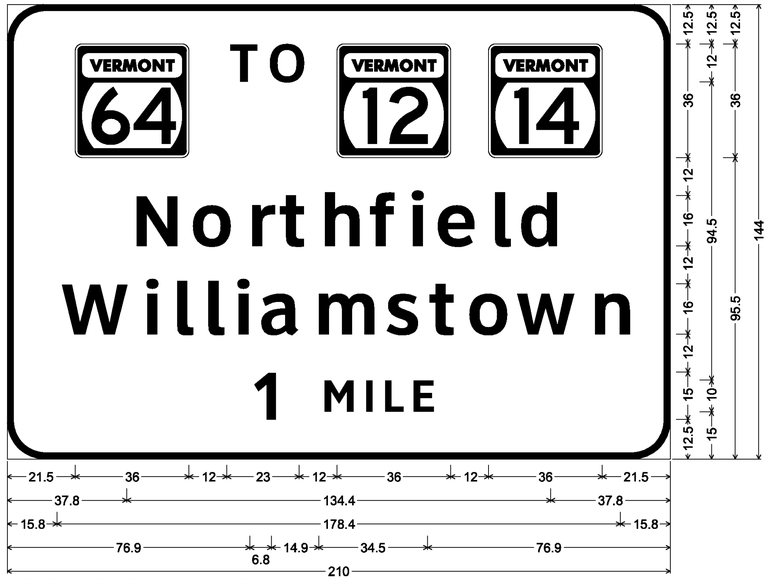
MODEL: 02

**MM 33.684 SB**



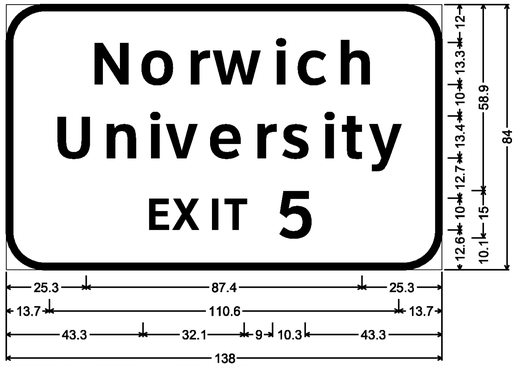

8.0" Radius, 2.0" Border, White on Green;
[WEIGH] ClearviewHwy-3-W;
[STATION] ClearviewHwy-3-W;
8.0" Radius, 2.0" Border, White on Blue;
[REST] ClearviewHwy-3-W;
[AREA] ClearviewHwy-3-W;
Standard Arrow Custom 29.0" X 17.6" 45°;

**MM 41.840 NB**
**MM 44.250 SB**




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; 14; [Northfield] ClearviewHwy-5-W; [Williamstown] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

**MM 41.990 NB**




12.0" Radius, 2.0" Border, White on Green;
[Norwich] ClearviewHwy-5-W; [University] ClearviewHwy-5-W;
[EXIT 5] ClearviewHwy-5-W;

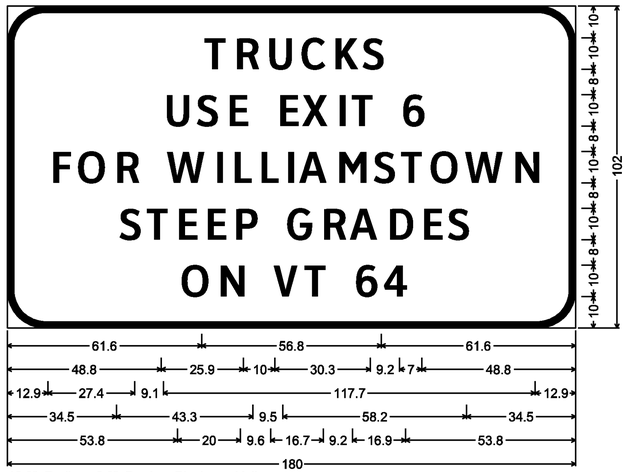
***SIGN DETAIL SHEET 3***

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 134 OF 163

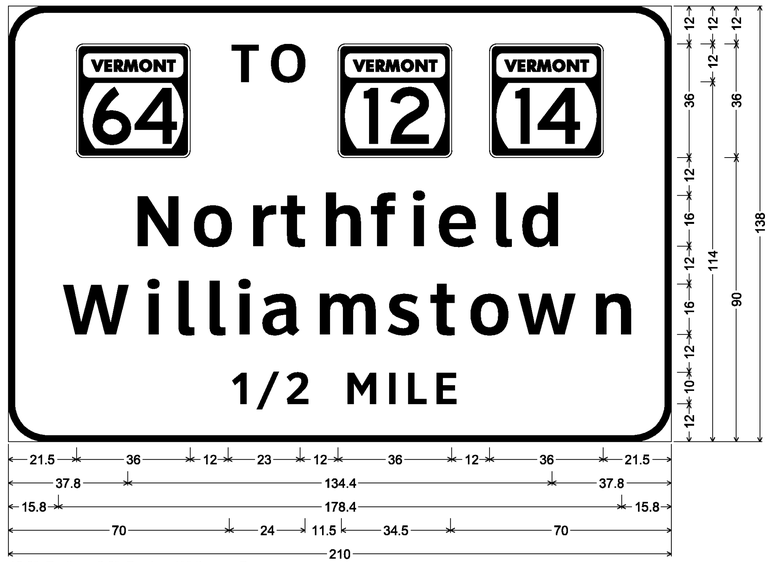
MODEL: 03

**MM 42.140 NB**
**MM 47.200 SB**



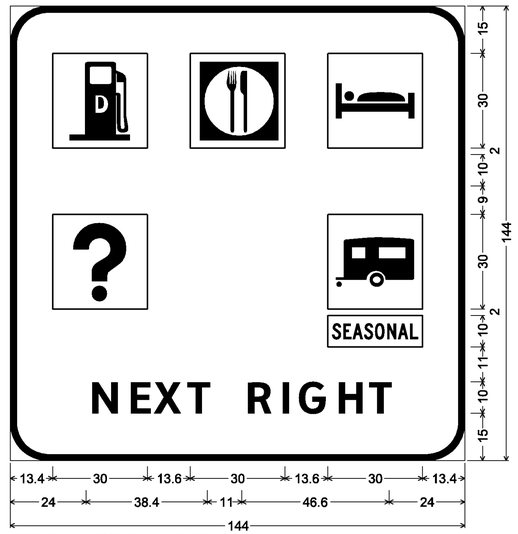

12.0" Radius, 2.0" Border, Black on Yellow;
[TRUCKS] ClearviewHwy-4-B; [USE EXIT 6] ClearviewHwy-4-B;
[FOR WILLIAMSTOWN] ClearviewHwy-4-B; [STEEP GRADES] ClearviewHwy-4-B;
[ON VT 64] ClearviewHwy-4-B;

**MM 42.290 NB**
**MM 43.540 SB**



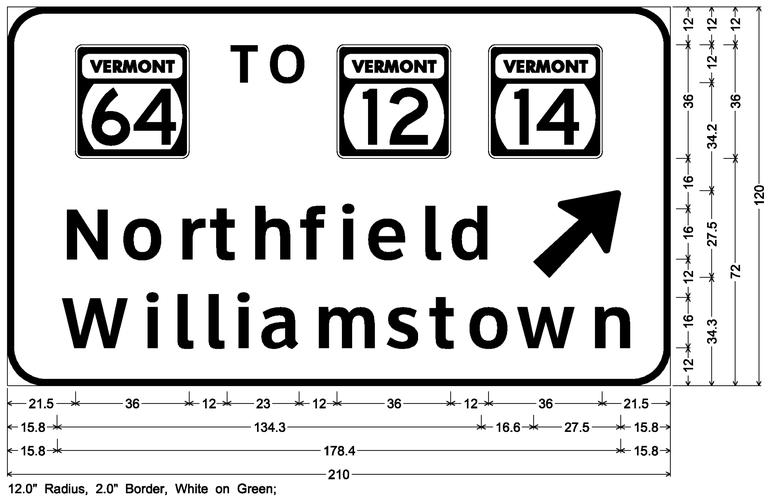

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; 14; [Northfield] ClearviewHwy-5-W; [Williamstown] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

**MM 42.440 NB**
**MM 43.390 SB**



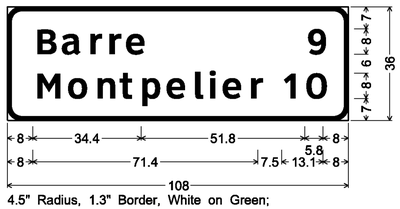

12.0" Radius, 2.0" Border, White on Blue;
[NEXT RIGHT] ClearviewHwy-5-W;

**MM 42.716 NB**
**MM 43.240 SB**



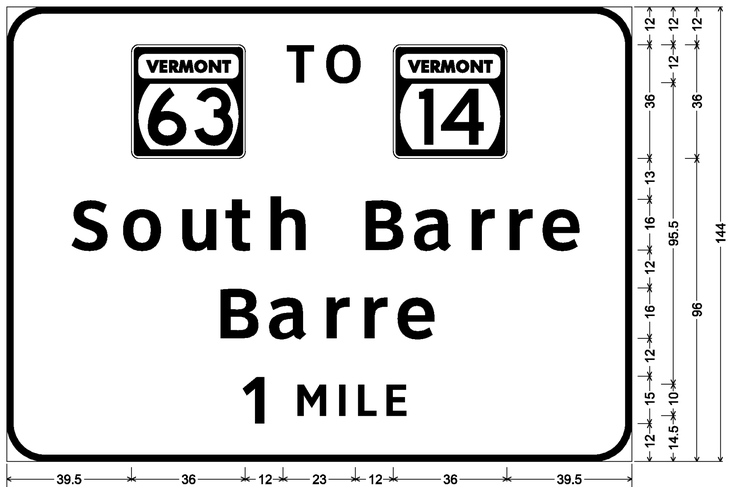

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; 14; [Northfield] ClearviewHwy-5-W; Arrow 160 - 35.0" 45°;
[Williamstown] ClearviewHwy-5-W;

**MM 43.830 NB**




4.5" Radius, 1.3" Border, White on Green;
[Barre] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W;
[9] ClearviewHwy-5-W; [10] ClearviewHwy-5-W;

**MM 45.900 NB**
**MM 47.815 SB**




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [South Barre] ClearviewHwy-5-W; [Barre] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

**SIGN DETAIL SHEET 4**

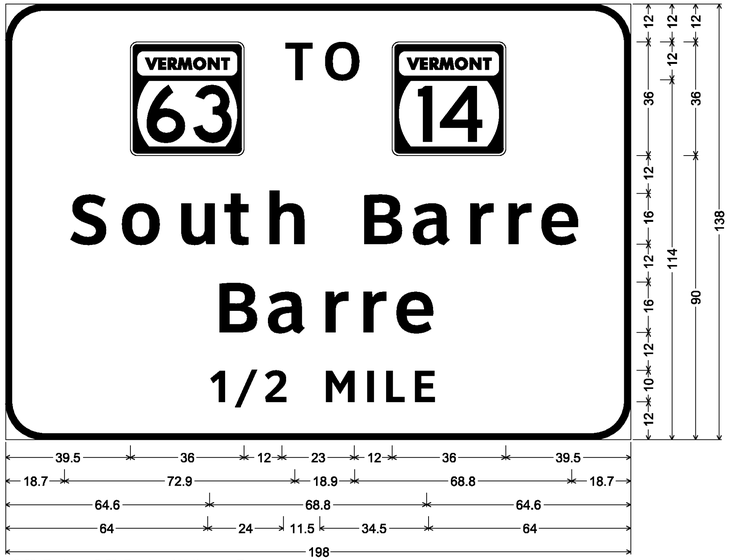
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 135 OF 163

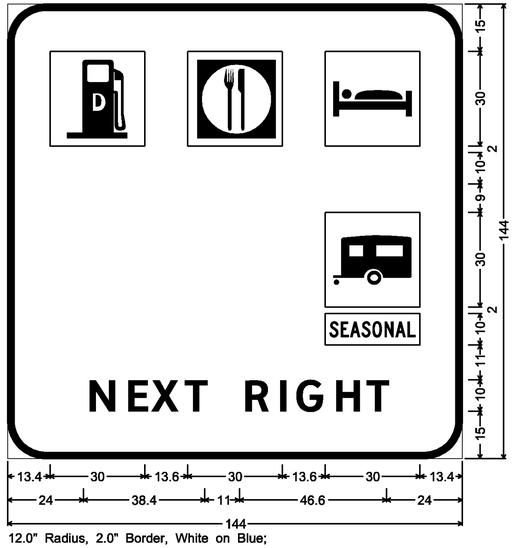
MODEL: 04

**MM 46.250 NB**
**MM 47.510 SB**



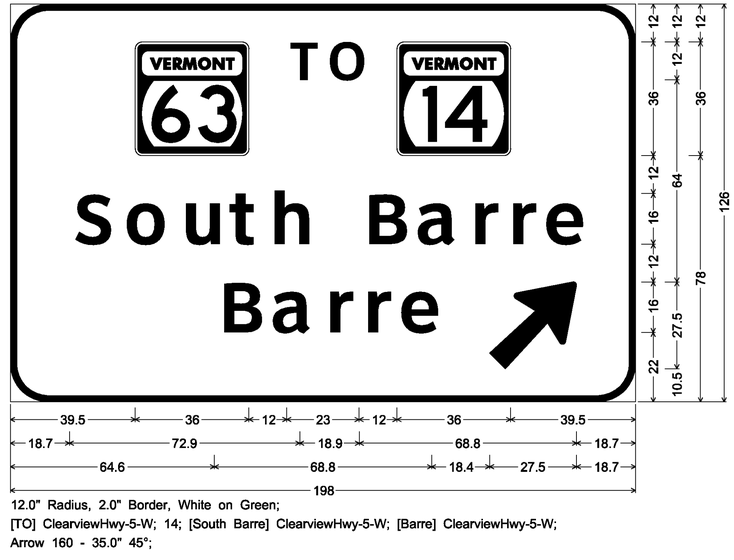

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [South Barre] ClearviewHwy-5-W; [Barre] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

**MM 46.405 NB**
**MM 47.360 SB**



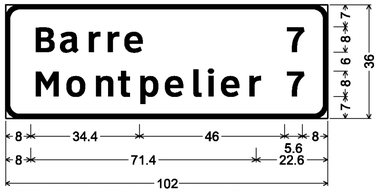

12.0" Radius, 2.0" Border, White on Blue;
[NEXT RIGHT] ClearviewHwy-5-W;

**MM 46.535 NB**
**MM 46.940 SB**




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [South Barre] ClearviewHwy-5-W; [Barre] ClearviewHwy-5-W;
Arrow 160 - 35.0" 45°;

**MM 47.925 NB**



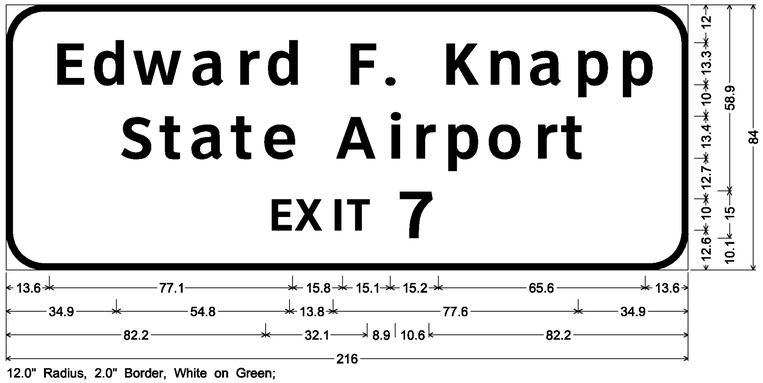

4.5" Radius, 1.3" Border, White on Green;
[Barre] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W;
[7] ClearviewHwy-5-W; [7] ClearviewHwy-5-W;

**MM 48.953 NB**
**MM 51.615 SB**



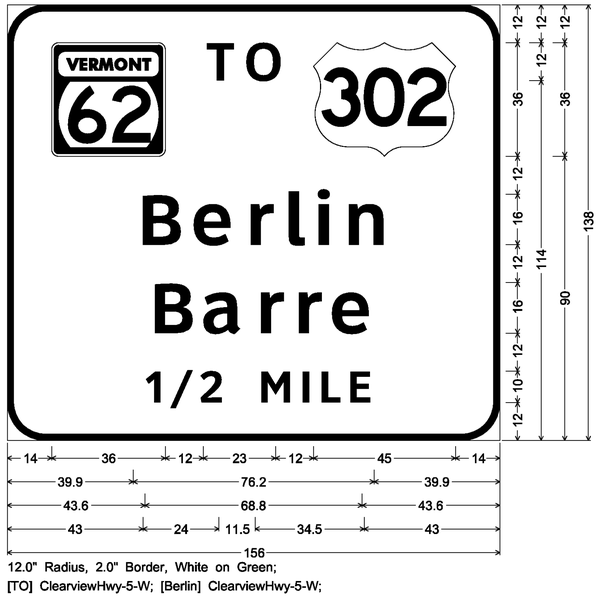

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Berlin] ClearviewHwy-5-W;
[Barre] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

**MM 49.325 NB**
**MM 51.380 SB**




12.0" Radius, 2.0" Border, White on Green;
[Edward F. Knapp] ClearviewHwy-5-W; [State Airport] ClearviewHwy-5-W; [EXIT 7] ClearviewHwy-5-W;

**MM 49.505 NB**
**MM 51.230 SB**




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Berlin] ClearviewHwy-5-W;
[Barre] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

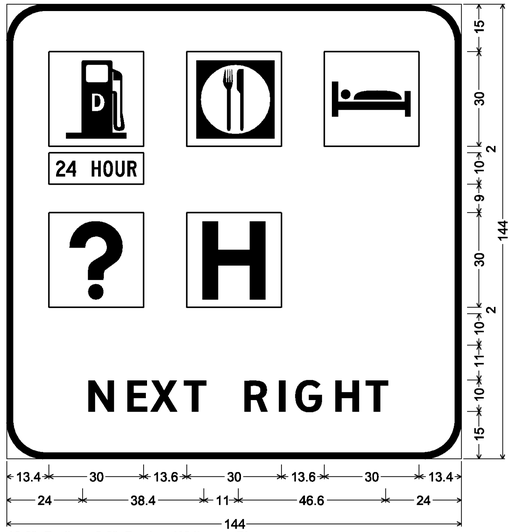
**SIGN DETAIL SHEET 5**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 136 OF 163

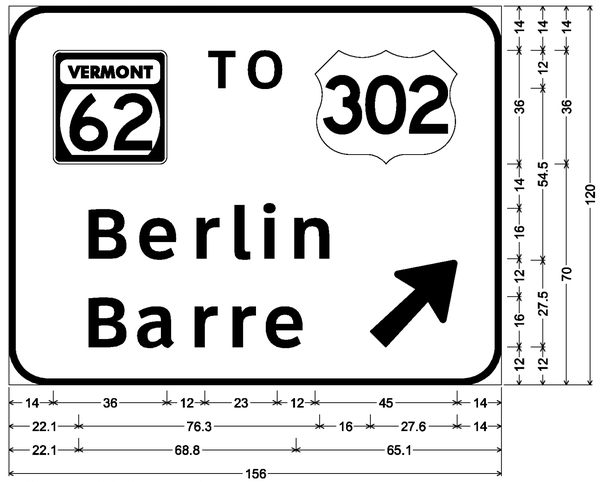
MODEL: 05

**MM 49.735 NB**
**MM 51.080 SB**



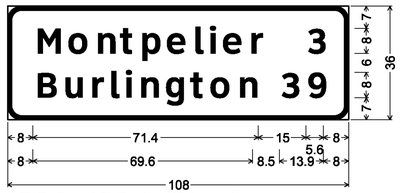

12.0" Radius, 2.0" Border, White on Blue;
[NEXT RIGHT] ClearviewHwy-5-W;

**MM 49.910 NB**



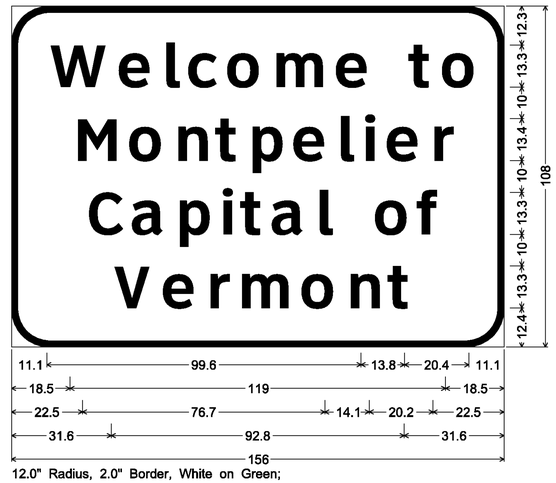

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Berlin] ClearviewHwy-5-W;
[Barre] ClearviewHwy-5-W; Arrow 160 - 35.0" 45°;

**MM 51.075 NB**



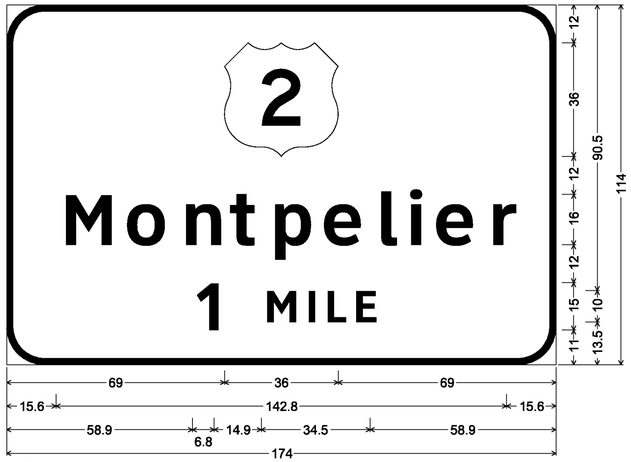

4.5" Radius, 1.3" Border, White on Green;
[Montpelier] ClearviewHwy-5-W;
[Burlington] ClearviewHwy-5-W;
[3] ClearviewHwy-5-W; [39] ClearviewHwy-5-W;

**MM 51.540 NB**
**MM 54.304 SB**



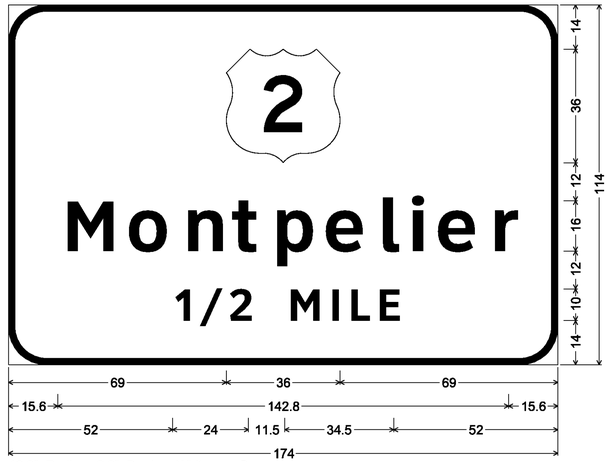

12.0" Radius, 2.0" Border, White on Green;
[Welcome to] ClearviewHwy-5-W; [Montpelier] ClearviewHwy-5-W;
[Capital of] ClearviewHwy-5-W; [Vermont] ClearviewHwy-5-W;

**MM 51.720 NB**



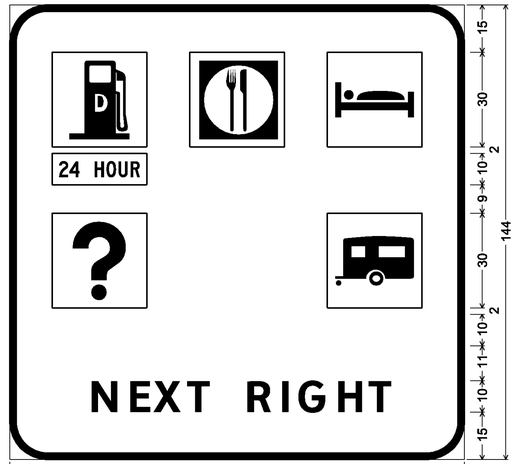

12.0" Radius, 2.0" Border, White on Green;
[Montpelier] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

**MM 52.235 NB**




12.0" Radius, 2.0" Border, White on Green;
[Montpelier] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

**MM 52.440 NB**
**MM 53.550 SB**




12.0" Radius, 2.0" Border, White on Blue;
[NEXT RIGHT] ClearviewHwy-5-W;

***SIGN DETAIL***
***SHEET 6***

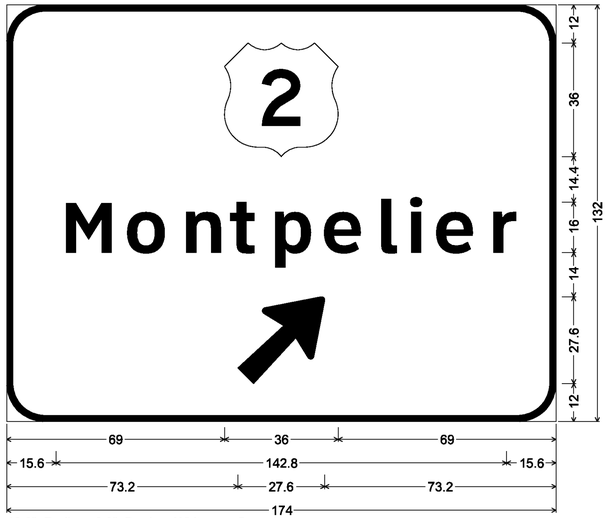
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 137 OF 163

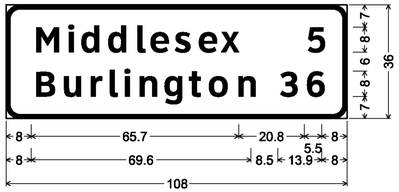
MODEL: 06

**MM 52.595 NB**



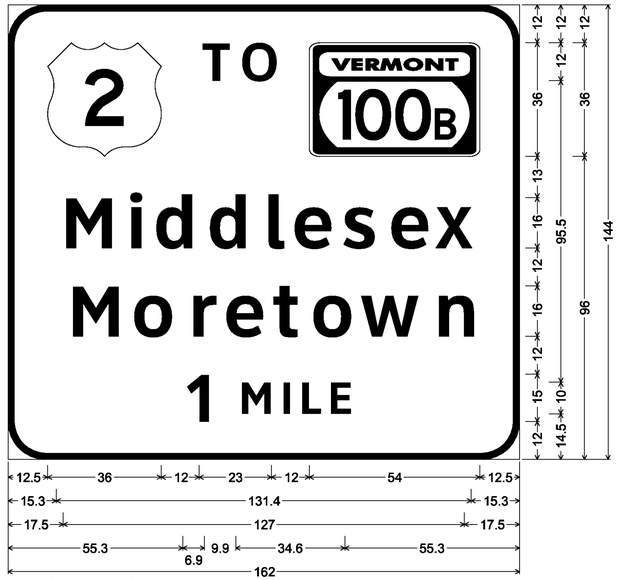

12.0" Radius, 2.0" Border, White on Green;
[Montpelier] ClearviewHwy-5-W; Arrow 160 - 35.0" 45°;

**MM 53.880 NB**



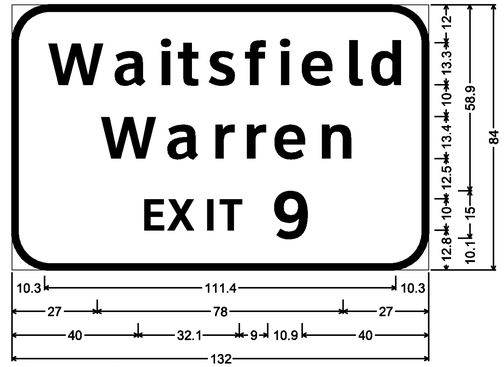

4.5" Radius, 1.3" Border, White on Green;
[Middlesex] ClearviewHwy-5-W;
[Burlington] ClearviewHwy-5-W;
[5] ClearviewHwy-5-W; [36] ClearviewHwy-5-W;

**MM 57.330 NB**
**MM 59.870 SB**



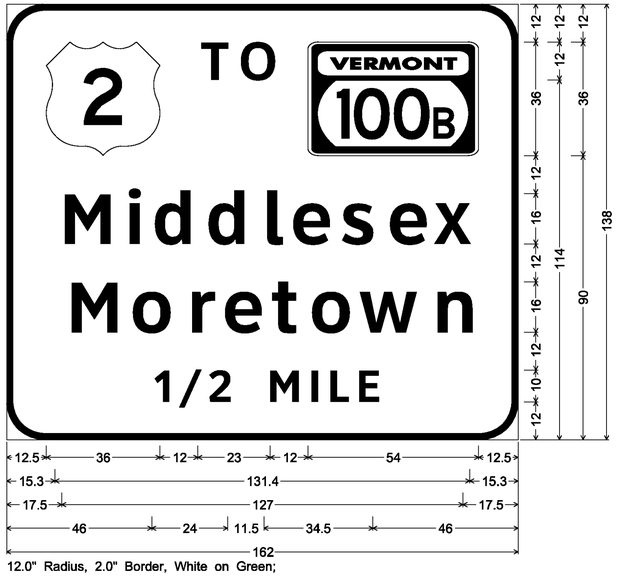

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT100B; [Middlesex] ClearviewHwy-5-W;
[Moretown] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

**MM 57.800 NB**



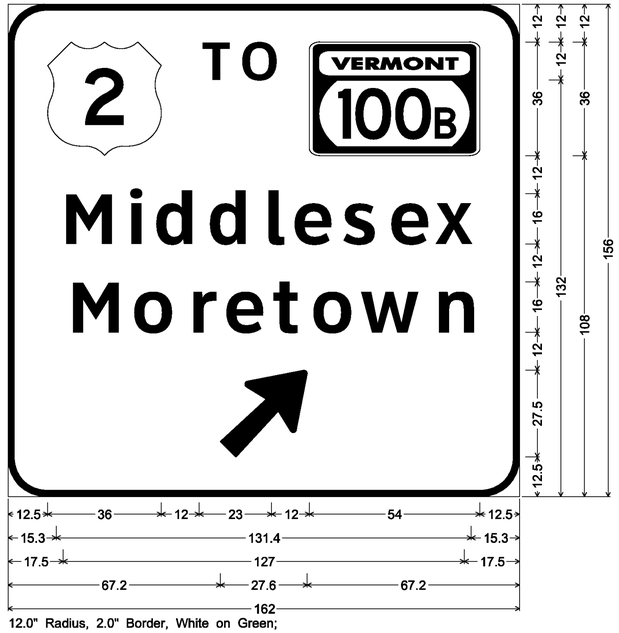

12.0" Radius, 2.0" Border, White on Green;
[Waitsfield] ClearviewHwy-5-W; [Warren] ClearviewHwy-5-W;
[EXIT 9] ClearviewHwy-5-W;

**MM 57.955 NB**
**MM 59.300 SB**




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT100B; [Middlesex] ClearviewHwy-5-W;
[Moretown] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

**MM 58.455 NB**
**MM 59.000 SB**




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT100B; [Middlesex] ClearviewHwy-5-W;
[Moretown] ClearviewHwy-5-W; Arrow 160 - 35.0" 45°;

**MM 59.550 NB**




4.5" Radius, 1.3" Border, White on Green;
[Waterbury] ClearviewHwy-5-W;
[Burlington] ClearviewHwy-5-W;
[5] ClearviewHwy-5-W; [31] ClearviewHwy-5-W;

**MM 58.130 NB**




7.0" Radius, 1.3" Border, White on Blue;
[CAR POOL] ClearviewHwy-4-W;
[INFO] ClearviewHwy-4-W;
[1-800-685-RIDE] ClearviewHwy-2-W specified length;

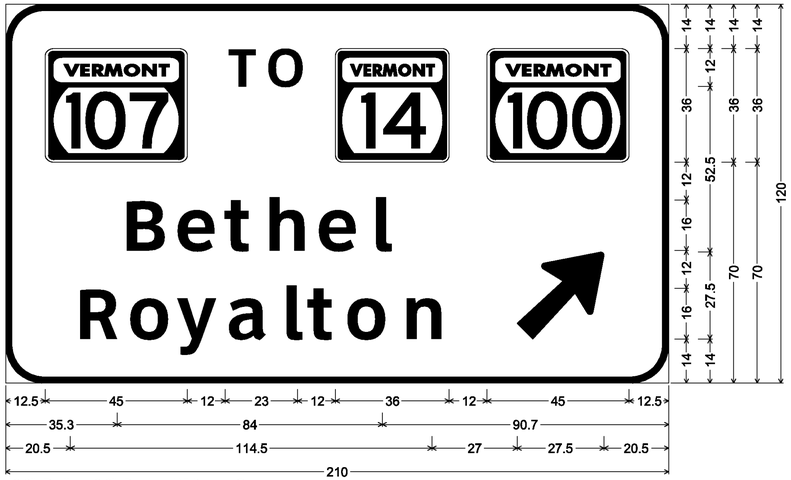
**SIGN DETAIL SHEET 7**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 138 OF 163

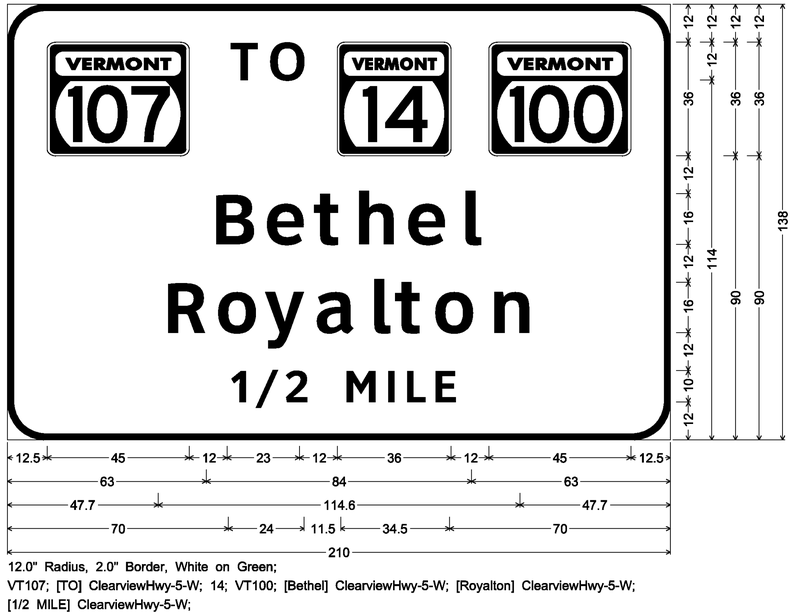
MODEL: 07

## MM 22.640 SB



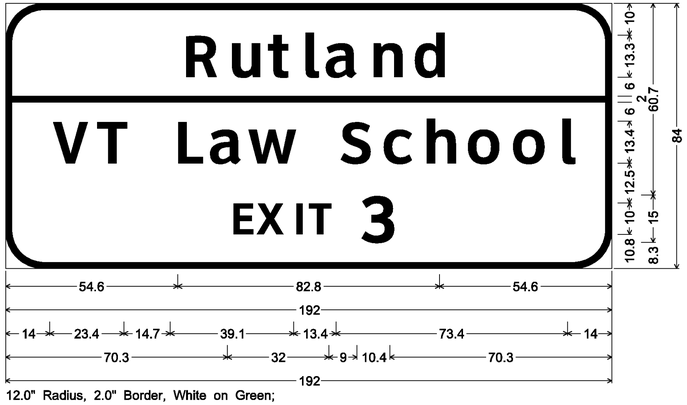

12.0" Radius, 2.0" Border, White on Green;
VT107; [TO] ClearviewHwy-5-W; 14; VT100; [Bethel ] ClearviewHwy-5-W;
[Royalton] ClearviewHwy-5-W; Arrow 160 - 35.0" 45°;

## MM 22.949 SB



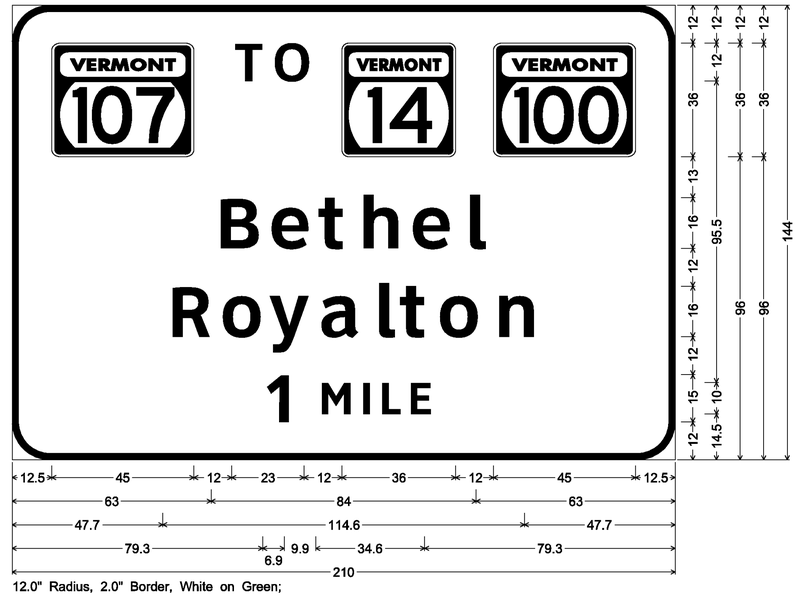

12.0" Radius, 2.0" Border, White on Green;
VT107; [TO] ClearviewHwy-5-W; 14; VT100; [Bethel] ClearviewHwy-5-W; [Royalton] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

## MM 23.100 SB




12.0" Radius, 2.0" Border, White on Green;
[Rutland] ClearviewHwy-5-W; [VT Law School] ClearviewHwy-5-W;
[EXIT 3] ClearviewHwy-5-W;

## MM 23.300 SB




12.0" Radius, 2.0" Border, White on Green;
VT107; [TO] ClearviewHwy-5-W; 14; VT100; [Bethel] ClearviewHwy-5-W; [Royalton] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

**SIGN DETAIL**
**SHEET 8**

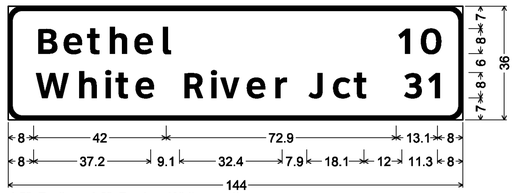
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 139 OF 163

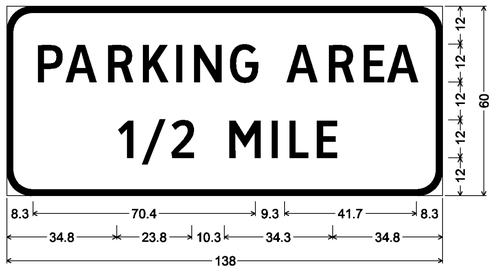
MODEL: 08

## MM 29.900 SB



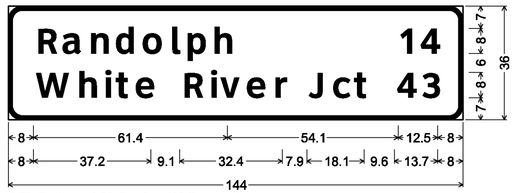

4.5" Radius, 1.3" Border, White on Green;
[Bethel] ClearviewHwy-5-W; [White River Jct] ClearviewHwy-5-W;
[10] ClearviewHwy-5-W; [31] ClearviewHwy-5-W;

## MM 30.200 SB



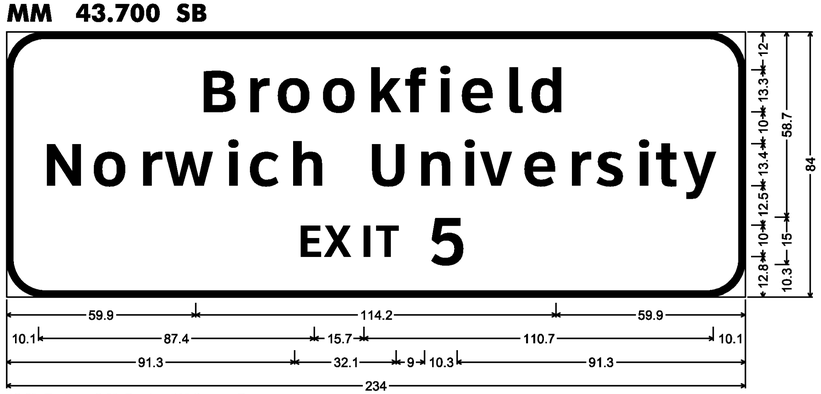

8.0" Radius, 2.0" Border, White on Blue;
[PARKING AREA] ClearviewHwy-3-W;
[1/2 MILE] ClearviewHwy-3-W;

## MM 41.840 SB



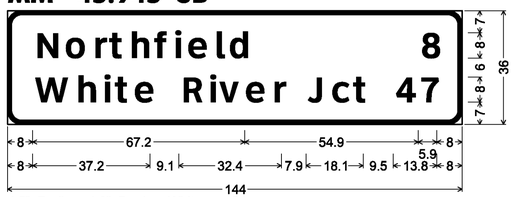

4.5" Radius, 1.3" Border, White on Green;
[Randolph] ClearviewHwy-5-W; [White River Jct] ClearviewHwy-5-W;
[14] ClearviewHwy-5-W; [43] ClearviewHwy-5-W;

## MM 43.700 SB




12.0" Radius, 2.0" Border, White on Green;
[Brookfield] ClearviewHwy-5-W; [Norwich University] ClearviewHwy-5-W; [EXIT 5] ClearviewHwy-5-W;

## MM 45.945 SB




4.5" Radius, 1.3" Border, White on Green;
[Northfield] ClearviewHwy-5-W; [White River Jct] ClearviewHwy-5-W;
[8] ClearviewHwy-5-W; [47] ClearviewHwy-5-W;

**SIGN DETAIL SHEET 9**

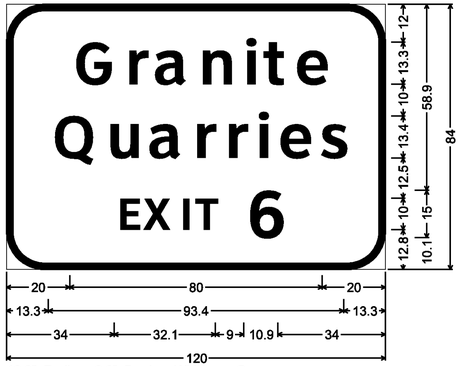
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 140 OF 163

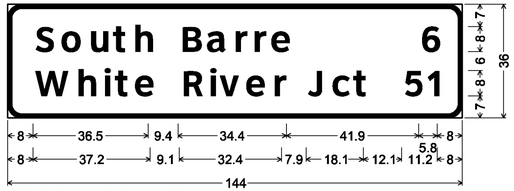
MODEL: 09

## MM 47.660 SB



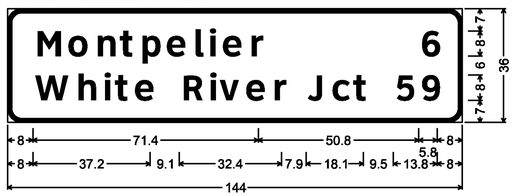

12.0" Radius, 2.0" Border, White on Green;
[Granite] ClearviewHwy-5-W;
[Quarries] ClearviewHwy-5-W;
[EXIT 6] ClearviewHwy-5-W;

## MM 49.470 SB




4.5" Radius, 1.3" Border, White on Green;
[South Barre] ClearviewHwy-5-W;
[White River Jct] ClearviewHwy-5-W; [6] ClearviewHwy-5-W;
[51] ClearviewHwy-5-W;

## MM 57.850 SB



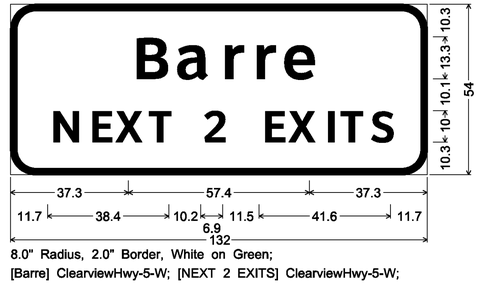

4.5" Radius, 1.3" Border, White on Green;
[Montpelier] ClearviewHwy-5-W; [White River Jct] ClearviewHwy-5-W;
[6] ClearviewHwy-5-W; [59] ClearviewHwy-5-W;

## MM 50.930 SB



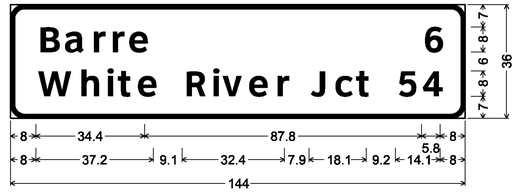

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Berlin] ClearviewHwy-5-W;
[Barre] ClearviewHwy-5-W; [NEXT RIGHT] ClearviewHwy-5-W;

## MM 52.220 SB



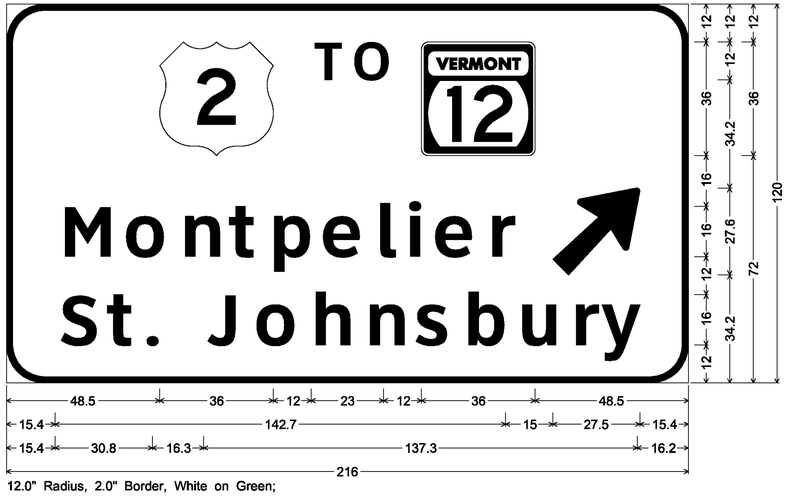

8.0" Radius, 2.0" Border, White on Green;
[Barre] ClearviewHwy-5-W; [NEXT 2 EXITS] ClearviewHwy-5-W;

## MM 52.355 SB



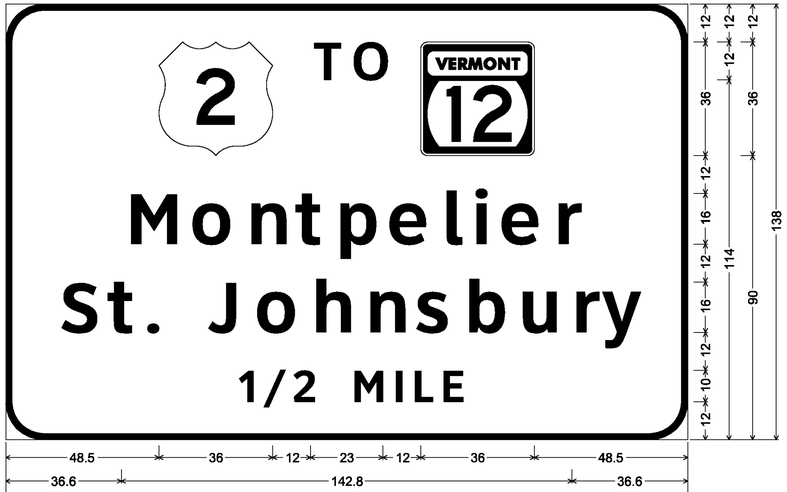

4.5" Radius, 1.3" Border, White on Green;
[Barre] ClearviewHwy-5-W; [White River Jct] ClearviewHwy-5-W;
[6] ClearviewHwy-5-W; [54] ClearviewHwy-5-W;

## MM 53.350 SB



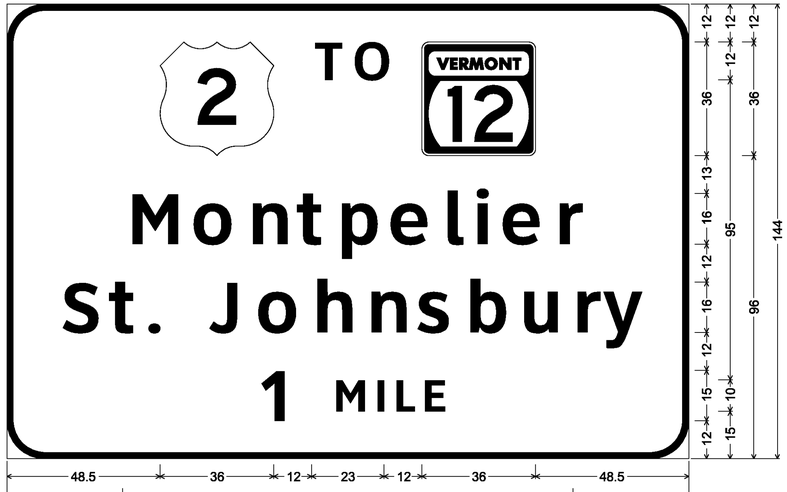

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [Montpelier] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;
[St. Johnsbury] ClearviewHwy-5-W;

## MM 53.850 SB




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [Montpelier] ClearviewHwy-5-W; [St. Johnsbury] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

## MM 54.150 SB




12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; 14; [Montpelier] ClearviewHwy-5-W; [St. Johnsbury] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

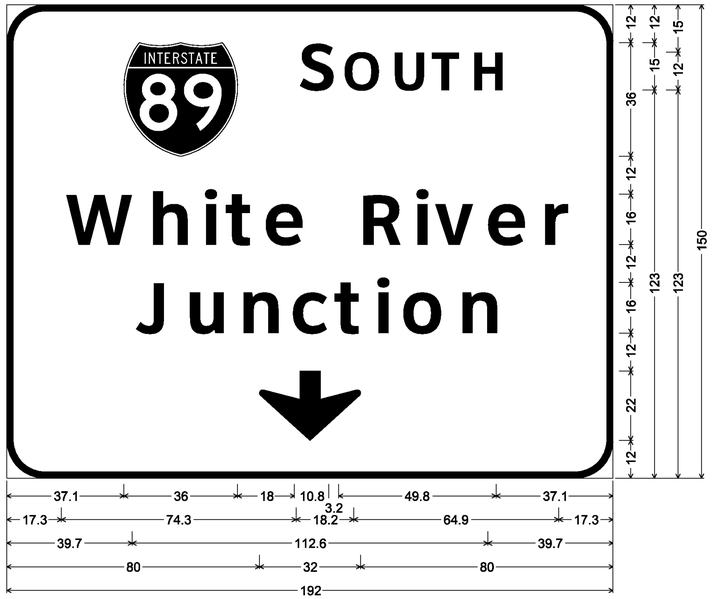
**SIGN DETAIL SHEET 10**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 141 OF 163

MODEL: 10

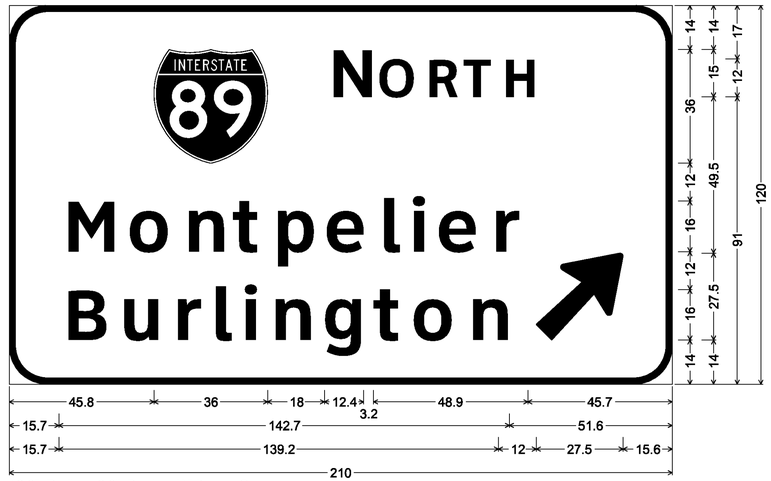
**INT. 6 VT 63**
**0.138 LT OVERHEAD**
**INT. 7 VT 62**
**0.115 LT OVERHEAD**




12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; [White River] ClearviewHwy-5-W; [Junction] ClearviewHwy-5-W;
Down Arrow 22.0" 270°;

WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER
ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND

**INT. 6 VT 63**
**0.138 LT OVERHEAD**
**INT. 7 VT 62**
**0.115 LT OVERHEAD**




12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Montpelier] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W;
Arrow 160 - 35.0" 45°;

WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER
ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND

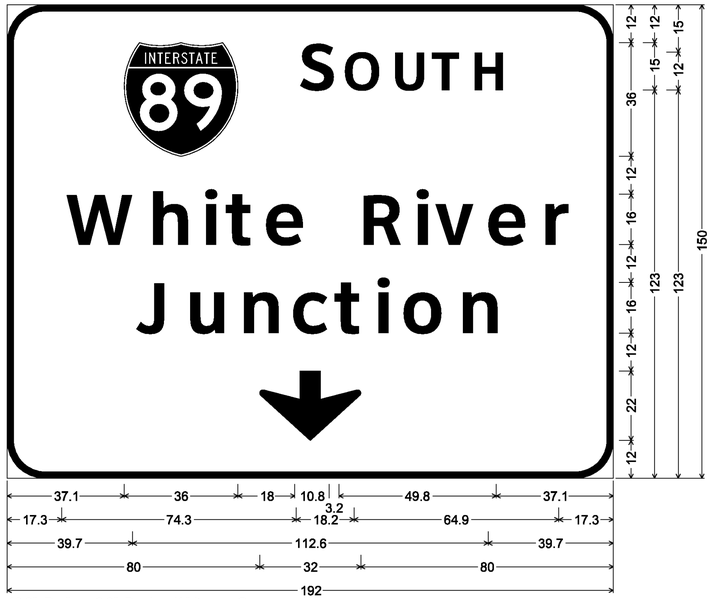
**SIGN DETAIL**
**SHEET 11**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 142 OF 163

MODEL: II

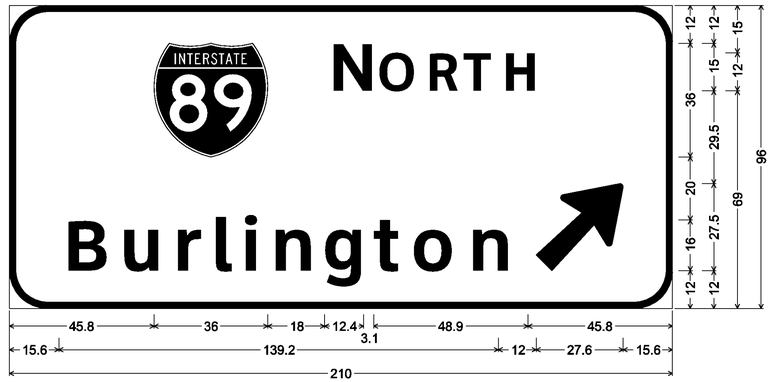
**INT. 8 MSH**
**0.102 LT OVERHEAD**




12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; [White River] ClearviewHwy-5-W; [Junction] ClearviewHwy-5-W;
Down Arrow 22.0" 270°;

WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER
ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND

**INT. 8 MSH**
**0.102 LT OVERHEAD**




12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W; Arrow 160 - 35.0" 45°;

WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER
ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND

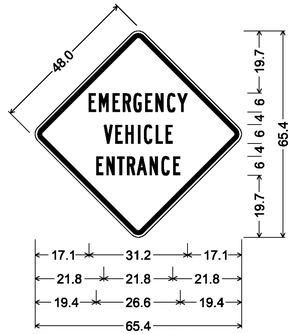
**SIGN DETAIL**
**SHEET 12**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

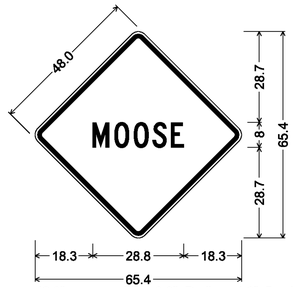
FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 143 OF 163

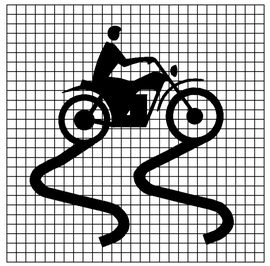
MODEL: 12

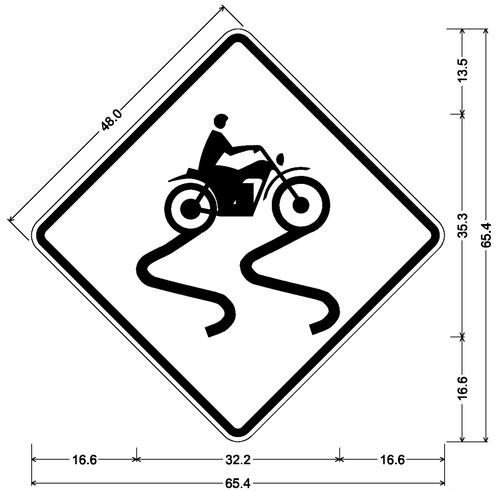



48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[EMERGENCY] B 2K;
[VEHICLE] B 2K;
[ENTRANCE] B 2K;

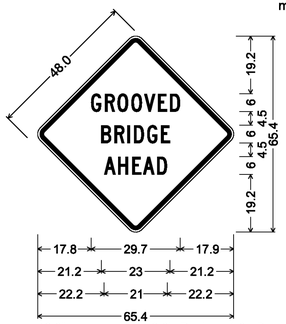



48.0" across sides 3.0" Radius, 1.2" Border, 0.8" Indent, Black on Yellow;
[MOOSE] C 2K;

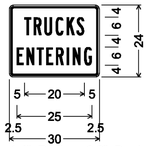




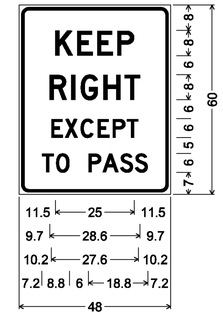

48.0" across sides 3.0" Radius, 1.2" Border, 0.8" Indent, Black on Yellow;
motorcycle;



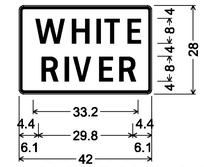

48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[GROOVED] C 2K;
[BRIDGE] C 2K;
[AHEAD] C 2K;



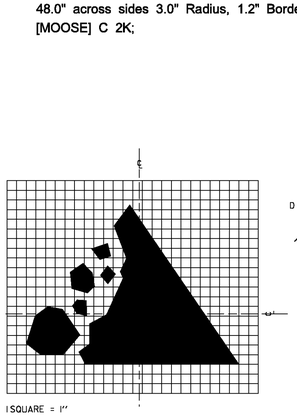

1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[TRUCKS] B 2K;
[ENTERING] B 2K;




3.0" Radius, 0.9" Border, 0.8" Indent, Black on White;
[KEEP] D 2K;
[RIGHT] D 2K;
[EXCEPT] D 2K;
[TO PASS] D 2K;




1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;
[WHITE] ClearviewHwy-3-W;
[RIVER] ClearviewHwy-3-W;




R2-1 STD;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
[SPEED] E;
[LIMIT] E;
[45] E;




VW-285
COLORS
TEXT AND BORDER - BLACK (NON-REFL.)
BACKGROUND - YELLOW (REFL.)

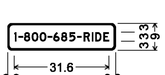
| SIGN | DIMENSIONS (INCHES) | | | | | | |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |
| STD. | 30 | 1/2 | 3/4 | 1/2 | 11/4 | 5 1/4 | 10 3/8 |
| SPECIAL | 48 | 3/4 | 1 1/4 | 3 | 18 | 8 3/8 | 16 1/2 |



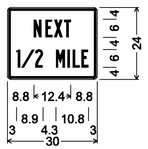

1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[NEXT] B 2K;
[10 MILES] B 2K specified length;




1.5" Radius, 0.5" Border, White on Blue;
[VISITOR] C;
[CENTER] C;



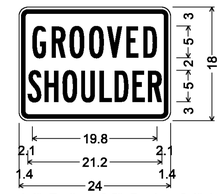

1.5" Radius, 0.6" Border, White on Green;
[1-800-685-RIDE] D;



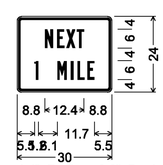

1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[NEXT] B 2K;
[1/2 MILE] B 2K specified length;




1.5" Radius, 0.5" Border, White on Blue;
[WiFi] C specified length;




1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[GROOVED] B 2K;
[SHOULDER] B 2K 70% spacing;




1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[NEXT] B 2K;
[1 MILE] B 2K;

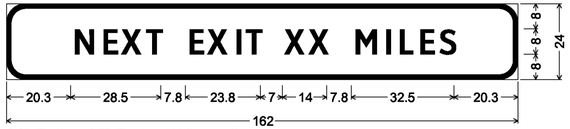
**SIGN DETAIL SHEET 13**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

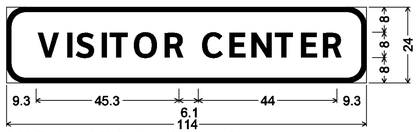
FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 144 OF 163

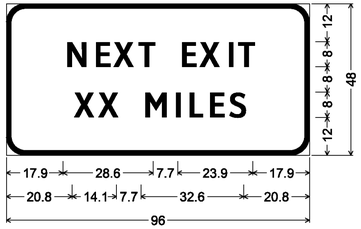
MODEL: 13



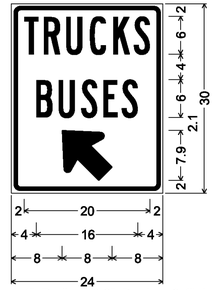

6.0" Radius, 1.5" Border, White on Green;
[NEXT EXIT XX MILES] ClearviewHwy-4-W;



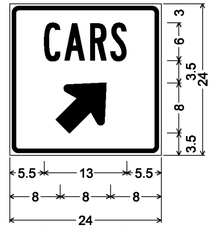

6.0" Radius, 1.5" Border, White on Blue;
[VISITOR CENTER] ClearviewHwy-5-W 70% spacing;



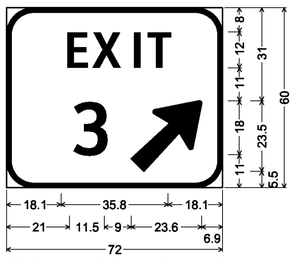

6.0" Radius, 1.5" Border, White on Green;
[NEXT EXIT] ClearviewHwy-4-W;
[XX MILES] ClearviewHwy-4-W;



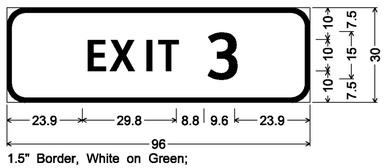

1.4" Radius, 0.6" Border, 0.4" Indent, White on Blue;
[TRUCKS] B 2K;
[BUSES] B 2K;
Standard Arrow Custom 9.7" X 8.6" 135°;



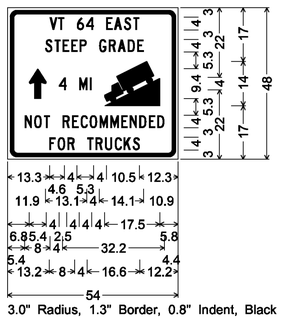

1.4" Radius, 0.6" Border, 0.4" Indent, White on Blue;
[CARS] B 2K;
Standard Arrow Custom 9.7" X 8.6" 135°;



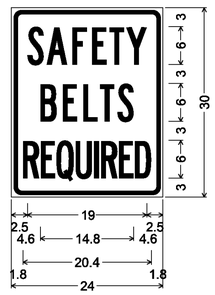

9.0" Radius, 1.5" Border, White on Green;
[EXIT] ClearviewHwy-4-W;
[ 3] ClearviewHwy-4-W;
Arrow 133 - 30.0" 45°;



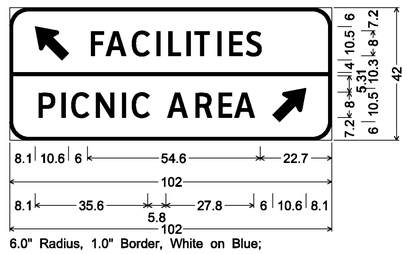

1.5" Border, White on Green;
[EXIT 3] ClearviewHwy-4-W;




3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[VT 64 EAST] C;
[STEEP GRADE] C;
Standard Arrow Custom 9.4" X 5.4" 90°;
[4 MI] C;
[NOT RECOMMENDED] C;
[FOR TRUCKS] C;




1.6" Radius, 0.6" Border, 0.4" Indent, Black on White;
[SAFETY] B 2K;
[BELTS] B 2K;
[REQUIRED] B 2K 26% spacing;



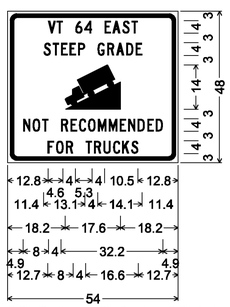

6.0" Radius, 1.0" Border, White on Blue;
Standard Arrow Custom 13.4" X 8.1" 135°;
[FACILITIES] ClearviewHwy-3-W;
[PICNIC AREA] ClearviewHwy-3-W;
Standard Arrow Custom 13.4" X 8.1" 45°;



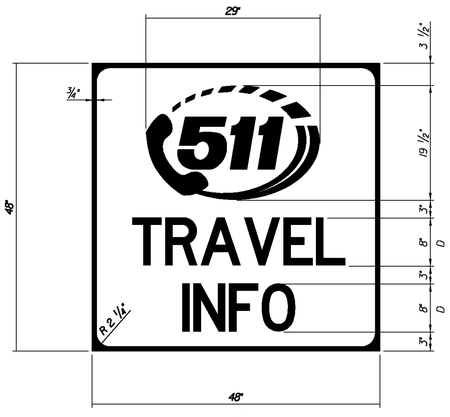

10.0" Radius, 2.0" Border, White on Blue;
[PARKING] ClearviewHwy-3-W 75% spacing;
[AREA] ClearviewHwy-3-W;
Arrow 133 - 30.0" 45°;




10.0" Radius, 2.0" Border, 1.0" Indent, White on Blue;
[REST] ClearviewHwy-3-W;
[AREA] ClearviewHwy-3-W;
Arrow 133 - 30.0" 45°;

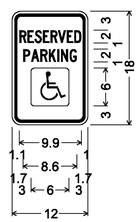



3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[VT 64 EAST] C;
[STEEP GRADE] C;
[NOT RECOMMENDED] C;
[FOR TRUCKS] C;




LEGEND: WHITE (RETROREFLECTIVE)

BACKGROUND: BLUE (RETROREFLECTIVE)




1.4" Radius, 0.4" Border, 0.4" Indent, Green on White;
[RESERVED] C 2K 51% spacing;
[PARKING] C 2K 66% spacing;
Rounded Rectangle 0.5" Radius Blue;

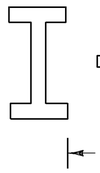
**SIGN DETAIL**
**SHEET 14**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

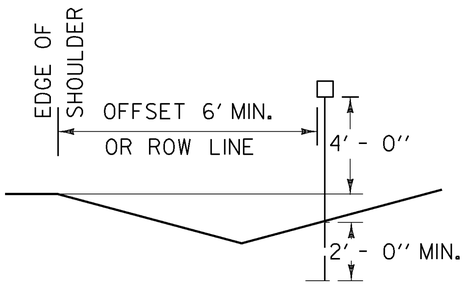
FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

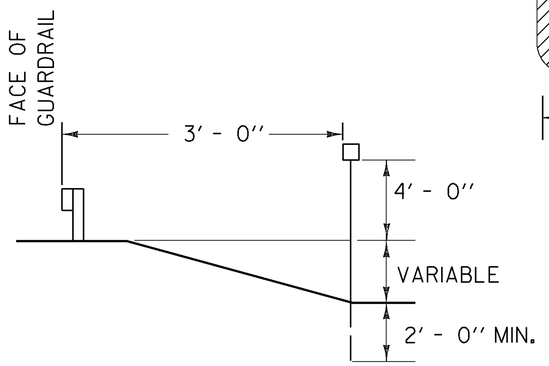
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 145 OF 163

MODEL: 14

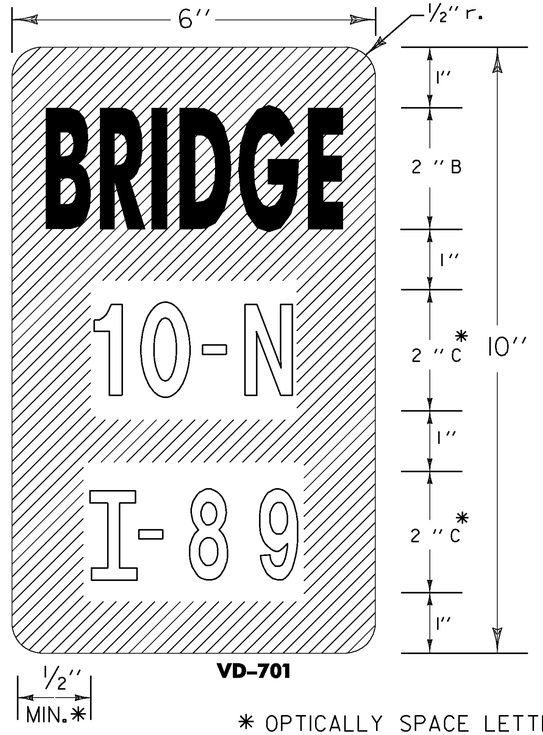



**HYPHEN DETAIL**




FOR EXAMPLE, ROUTE NUMBERS SHALL APPEAR AS: I-91, US5, VT22




**VD-701**

* OPTICALLY SPACE LETTERS AND NUMERALS AS NEEDED. SERIES B LETTERS MAY BE USED TO MAINTAIN VISUAL INTEGRITY.

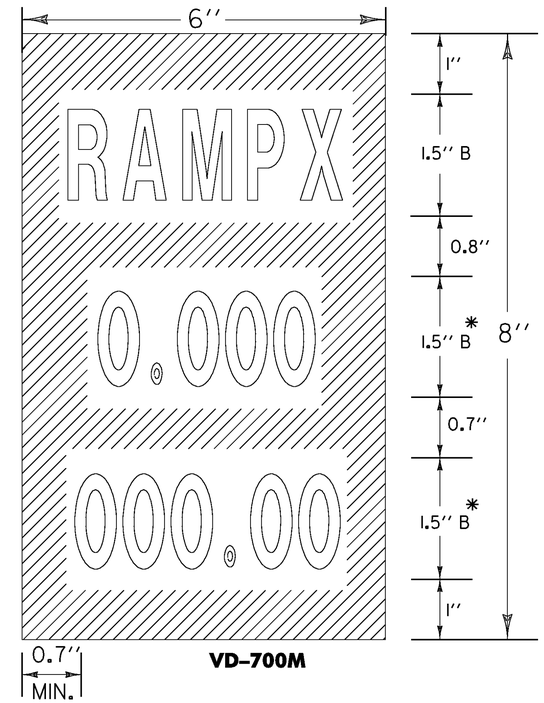
## THE FOLLOWING BRIDGES REQUIRE BRIDGE PLAQUES.

| MILE MARKER | ROUTE | PLAQUE | CROSSING FEATURE |
|---|---|---|---|
| **NORTHBOUND** | | | |
| 21.886 | I-89-N | 24-1 | BROOK |
| 21.914 | I-89-N | 25 | BROOK |
| 22.050 | I-89-N | 26N | I 89 OVER WR&NECR&107 |
| 22.287 | I-89-N | 26-1 | BROOK |
| 22.393 | I-89-N | 26-2 | BROOK |
| 30.898 | I-89-N | 29 | I 89 UNDER VT 66 |
| 31.088 | I-89-N | 29-1 | BROOK |
| 31.559 | I-89-N | 29-3 | BROOK |
| 33.182 | I-89-N | 30N | I 89 UNDER TH NO 26 |
| 36.545 | I-89-N | 32N | I 89 OVER TH NO 6 |
| 37.775 | I-89-N | 32-2 | BROOK |
| 38.844 | I-89-N | 34N | I 89 OVER TH NO 1 |
| 40.441 | I-89-N | 34-2S | BROOK |
| 42.952 | I-89-N | 35N | I 89 OVER VT 64 |
| 43.097 | I-89-N | 35-1 | BROOK |
| 46.920 | I-89-N | 36N | I 89 OVER VT 63 |
| 49.814 | I-89-N | 36-3 | BERLIN POND OUTLET |
| 49.821 | I-89-N | 36-4 | WATER MAIN SLEEVE |
| 50.000 | I-89-N | 37N | I 89 OVER TH NO 40 |
| 50.290 | I-89-N | 38N | I 89 OVER VT 62 |
| 52.528 | I-89-N | 40N | I 89 OVER VT 12 |
| 52.945 | I-89-N | 41N | I 89 OVER MONT. S.H. |
| 53.436 | I-89-N | 42N | I 89 OVER US2 WR WCRR |
| 53.996 | I-89-N | 42-1 | BROOK |
| 54.809 | I-89-N | 43N | I 89 OVER US 2 |
| 54.955 | I-89-N | 43-1 | BROOK |
| 56.147 | I-89-N | 43-2 | BROOK |
| 56.212 | I-89-N | 44 | I 89 UNDER US 2 |
| 57.166 | I-89-N | 44-2 | BROOK |
| 57.866 | I-89-N | 44-4 | GREAT BROOK |
| 58.710 | I-89-N | 45N | I 89 OVER MDLSX S.H. |
| 59.086 | I-89-N | 45-1 | BROOK |
| 59.417 | I-89-N | 45-2 | BROOK |
| | | | |
| **MILE MARKER** | **ROUTE** | **PLAQUE** | **CROSSING FEATURE** |
| **SOUTHBOUND** | | | |
| 21.892 | I-89-S | 24-1 | BROOK |
| 21.938 | I-89-S | 25 | BROOK |
| 22.050 | I-89-S | 26S | I 89 OVER WR&NECR&107 |
| 22.930 | I-89-S | 27 | I 89 OVER TH NO 32 |
| 24.348 | I-89-S | 28 | I 89 UNDER TH NO 6 |
| 33.182 | I-89-S | 30S | I 89 UNDER TH NO 26 |
| 36.545 | I-89-S | 31S | I 89 UNDER TH NO 6 |
| 37.845 | I-89-S | 33 | I 89 UNDER VT 65 |
| 38.844 | I-89-S | 34S | I 89 OVER TH NO 1 |
| 42.952 | I-89-S | 35S | I 89 OVER VT 64 |
| 46.920 | I-89-S | 36S | I 89 OVER VT 63 |
| 50.000 | I-89-S | 37S | I 89 OVER TH NO 40 |
| 50.290 | I-89-S | 38S | I 89 OVER VT 62 |
| 50.782 | I-89-S | 39 | I 89 UNDER TH NO 18 |
| 52.528 | I-89-S | 40S | I 89 OVER VT 12 |

## THE FOLLOWING RAMPS REQUIRE MILE MARKER PLAQUES.

| I-89 Ramp Milemarker Information | | | |
|---|---|---|---|
| **EXIT** | **RAMP** | **Mainline MM** | **RAMP Length** |
| **3** | A | 22.437 | 0.395 |
| | B | 22.150 | 0.341 |
| | C | 22.245 | 0.241 |
| | D | 22.399 | 0.289 |
| **4** | A | 30.657 | 0.223 |
| | B | 30.619 | 0.317 |
| | C | 31.112 | 0.246 |
| | D | 31.213 | 0.315 |
| **5** | A | 42.837 | 0.203 |
| | B | 43.082 | 0.186 |
| | C | 42.494 | 0.473 |
| | D | 43.130 | 0.192 |
| **6** | A | 46.804 | 0.205 |
| | B | 47.174 | 0.301 |
| | C | 46.627 | 0.387 |
| | D | 46.811 | 0.325 |
| **7** | A | 50.063 | 0.246 |
| | B | 50.446 | 0.278 |
| | C | 50.656 | 0.450 |
| | D | 50.637 | 0.282 |
| **8** | A | 52.789 | 0.231 |
| | B | 53.088 | 0.140 |
| | C | 52.951 | 0.380 |
| | D | 53.221 | 0.434 |
| **9** | A | 58.542 | 0.134 |
| | B | 58.571 | 0.140 |
| | C | 58.845 | 0.158 |
| | D | 58.940 | 0.159 |

FOR EXAMPLE, RAMP IDENTIFICATION SHALL APPEAR AS: RAMPA, RAMPB




**VD-700M**

**NOTES:**

GENERAL:
OUTLINED LETTERS AND NUMERALS INDICATE TEXT THAT VARIES.

MATERIAL:
THE SIGN BASE MATERIAL SHALL BE 0.040 INCH FLAT SHEET ALUMINUM.

COLORS:
THE SIGN SHALL HAVE A RETROREFLECTORIZED WHITE TEXT ON RETROREFLECTORIZED GREEN BACKROUND. THE COLORS SHALL CONFORM WITH THOSE FOUND IN STANDARD COLOR TOLERANCE CHARTS AS APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

RETROREFLECTVITY WILL BE EQUAL TO OR EXCEEDING ASTM TYPE III.

LETTERING:
LETTERS AND DIGITS SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AS PRINTED BY THE FEDERAL HIGHWAY ADMINISTRATION.

POSTS:
1 3/4 INCH SQUARE STEEL POST WITH 2 INCH ANCHOR SHALL BE USED.
POST SHALL BE A MINIUM OF 8 FEET.

NOT TO SCALE

**SIGN DETAIL SHEET 15**

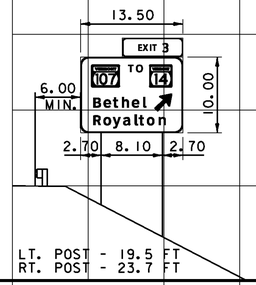
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 146 OF 163

MODEL: 15

**M.M. 22.135 NB**

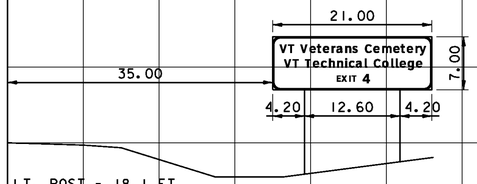
STEEL BEAM GUARDRAIL




LT. POST - 19.5 FT
RT. POST - 23.7 FT

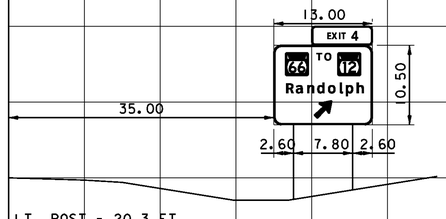
SEE FOOTING DETAIL ON SHEET 3

**M.M. 29.930 NB**




LT. POST - 18.1 FT
MID POST -
MID POST -
RT. POST - 16.5 FT

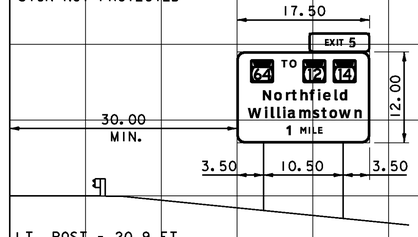
**M.M. 30.500 NB**




LT. POST - 20.3 FT
MID POST -
MID POST -
RT. POST - 19.1 FT

**M.M. 41.840 NB**

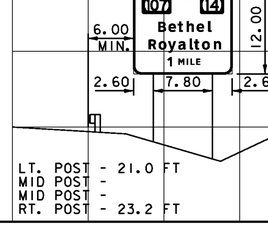
STEEL BEAM GUARDRAIL
SIGN NOT PROTECTED




LT. POST - 20.9 FT
MID POST -
MID POST -
RT. POST - 22.0 FT

**M.M. 21.920 NB**

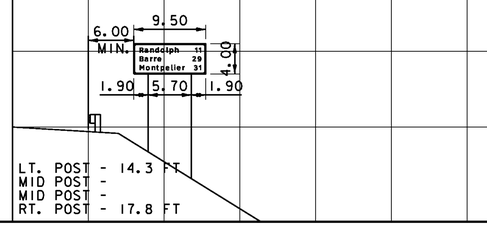
STEEL BEAM GUARDRAIL




LT. POST - 22.4 FT
MID POST -
MID POST -
RT. POST - 26.6 FT

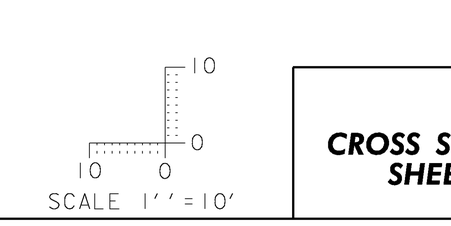
SEE FOOTING DETAIL ON SHEET 3

**M.M. 29.680 NB**



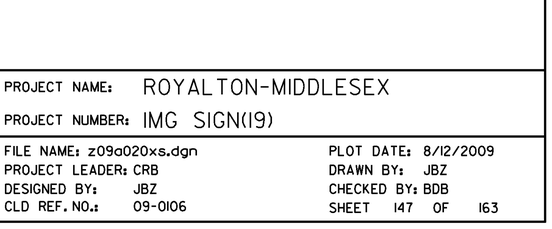

LT. POST - 21.8 FT
MID POST -
MID POST -
RT. POST - 21.7 FT

**M.M. 30.335 NB**




LT. POST - 21.7 FT
MID POST -
MID POST -
RT. POST - 21.1 FT

**M.M. 33.426 NB**




LT. POST - 16.3 FT
MID POST -
MID POST -
RT. POST - 15.6 FT

**M.M. 21.650 NB**

STEEL BEAM GUARDRAIL




LT. POST - 21.2 FT
MID POST -
MID POST -
RT. POST - 21.9 FT

**M.M. 27.040 NB**

STEEL BEAM GUARDRAIL




LT. POST - 14.2 FT
MID POST -
MID POST -
RT. POST - 15.6 FT

**M.M. 30.180 NB**




LT. POST - 20.5 FT
MID POST -
MID POST -
RT. POST - 20.5 FT

**M.M. 31.930 NB**




LT. POST - 14.3 FT
MID POST -
MID POST -
RT. POST - 15.2 FT

**M.M. 21.320 NB**

STEEL BEAM GUARDRAIL




LT. POST - 21.0 FT
MID POST -
MID POST -
RT. POST - 23.2 FT

**M.M. 23.210 NB**

STEEL BEAM GUARDRAIL




LT. POST - 14.3 FT
MID POST -
MID POST -
RT. POST - 17.8 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.




## CROSS SECTION SHEET 1

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

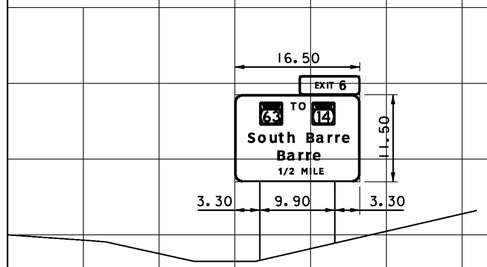
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 147 OF 163

**M.M. 42.440 NB**



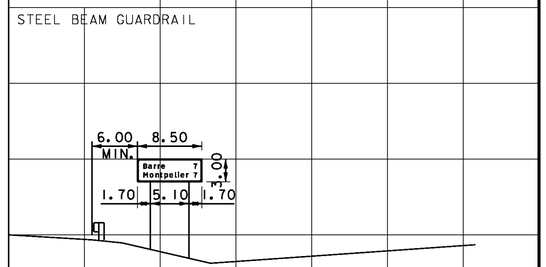

LT. POST - 20.7 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

**M.M. 46.250 NB**



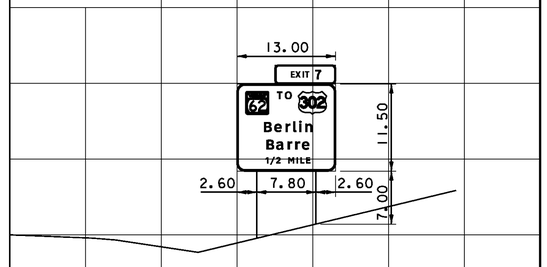

LT. POST - 21.9 FT
MID POST -
MID POST -
RT. POST - 19.6 FT

**M.M. 47.925 NB**



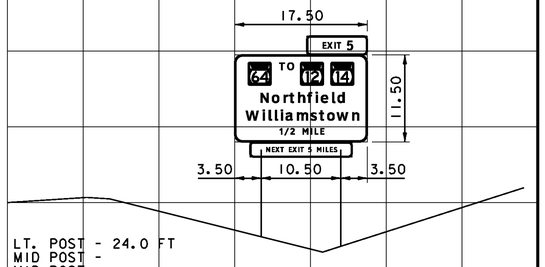

LT. POST - 11.9 FT
MID POST -
MID POST -
RT. POST - 13.1 FT

**M.M. 49.505 NB**



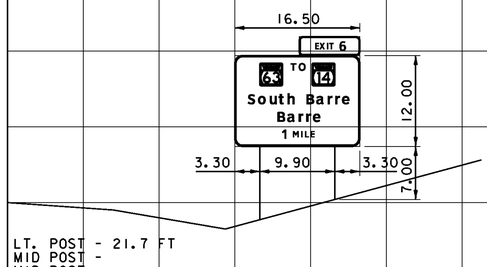

LT. POST - 20.4 FT
MID POST -
MID POST -
RT. POST - 18.5 FT

**M.M. 42.290 NB**



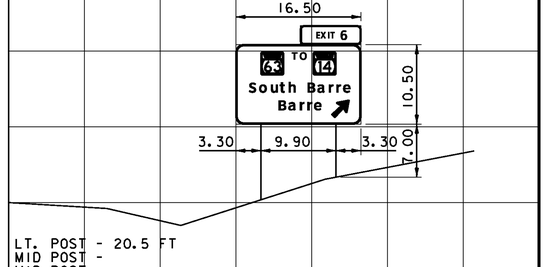

LT. POST - 24.0 FT
MID POST -
MID POST -
RT. POST - 25.3 FT

**M.M. 45.900 NB**



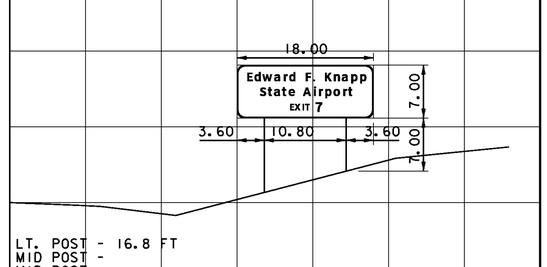

LT. POST - 21.7 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

**M.M. 46.535 NB**



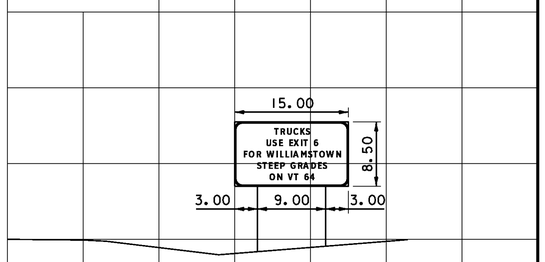

LT. POST - 20.5 FT
MID POST -
MID POST -
RT. POST - 17.5 FT

**M.M. 49.325 NB**



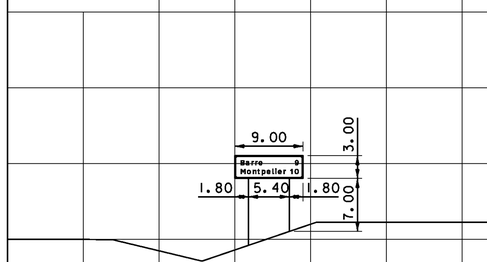

LT. POST - 16.8 FT
MID POST -
MID POST -
RT. POST - 14.0 FT

**M.M. 42.140 NB**



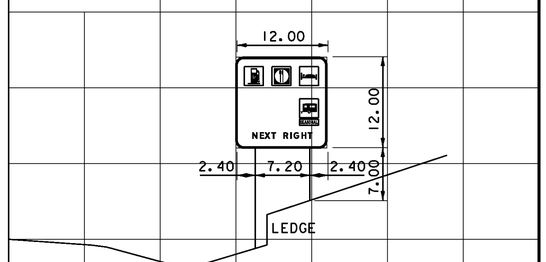

LT. POST - 17.1 FT
MID POST -
MID POST -
RT. POST - 16.4 FT

**M.M. 43.830 NB**



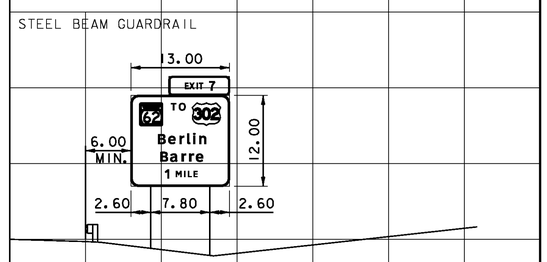

LT. POST - 11.8 FT
MID POST -
MID POST -
RT. POST - 10.0 FT

**M.M. 46.405 NB**



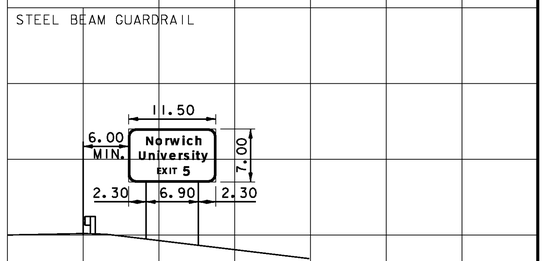

LT. POST - 25.3 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

**M.M. 48.953 NB**



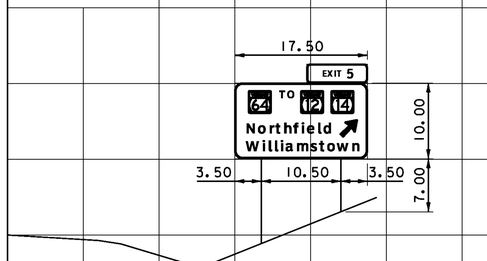

LT. POST - 20.2 FT
MID POST -
MID POST -
RT. POST - 21.1 FT

**M.M. 41.990 NB**



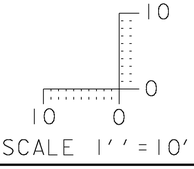

LT. POST - 14.5 FT
MID POST -
MID POST -
RT. POST - 15.4 FT

**M.M. 42.716 NB**




LT. POST - 21.2 FT
MID POST -
MID POST -
RT. POST - 17.0 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.




## CROSS SECTION SHEET 2

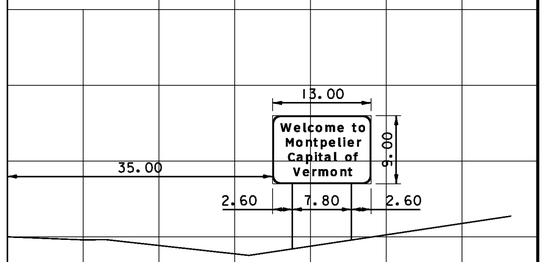
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 148 OF 163

**M.M. 51.540 NB**

EDGELINE

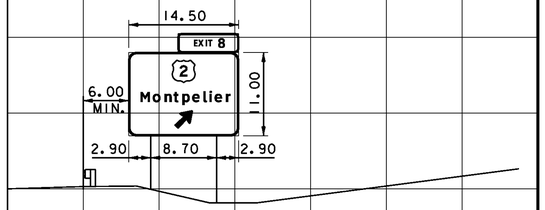



LT. POST - 17.6 FT
MID POST -
MID POST -
RT. POST - 16.4 FT

**M.M. 52.595**

STEEL BEAM GUARDRAIL

EDGELINE

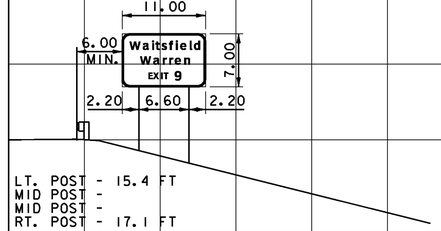



LT. POST - 18.1 FT
MID POST -
MID POST -
RT. POST - 19.9 FT

**M.M. 57.800 NB**

STEEL BEAM GUARDRAIL

EDGELINE

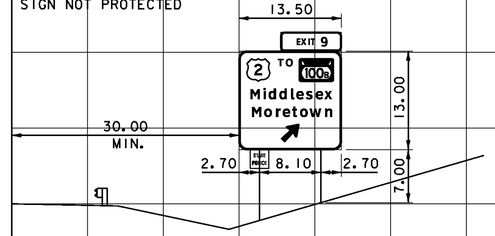



LT. POST - 15.4 FT
MID POST -
MID POST -
RT. POST - 17.1 FT

**M.M. 58.455 NB**

STEEL BEAM GUARDRAIL
SIGN NOT PROTECTED

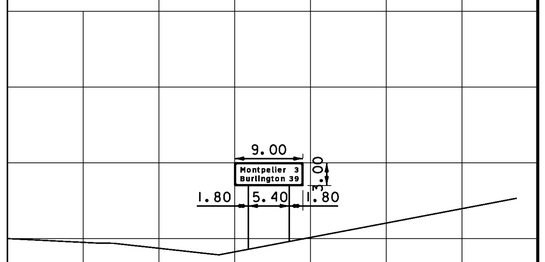
EDGELINE




LT. POST - 22.3 FT
MID POST -
MID POST -
RT. POST - 20.0 FT

**M.M. 51.075 NB**

EDGELINE

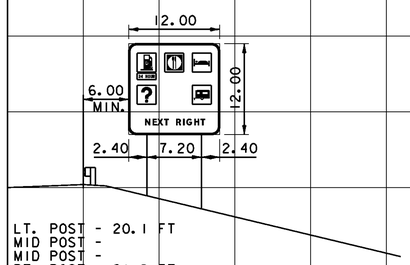



LT. POST - 11.4 FT
MID POST -
MID POST -
RT. POST - 10.4 FT

**M.M. 52.440 NB**

STEEL BEAM GUARDRAIL

EDGELINE

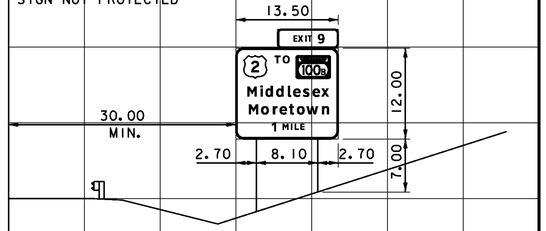



LT. POST - 20.1 FT
MID POST -
MID POST -
RT. POST - 21.8 FT

**M.M. 57.330 NB**

STEEL BEAM GUARDRAIL
SIGN NOT PROTECTED

EDGELINE

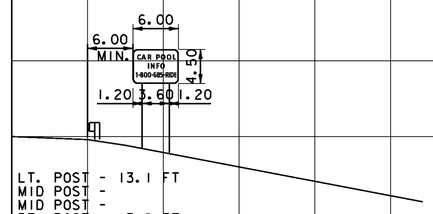



LT. POST - 21.6 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

**M.M. 58.130 NB**

STEEL BEAM GUARDRAIL

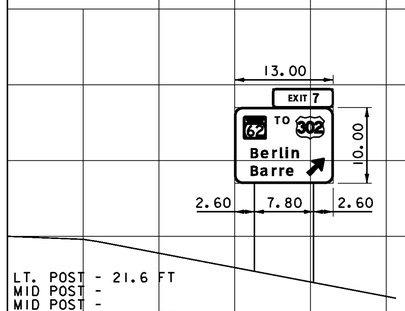
EDGELINE




LT. POST - 13.1 FT
MID POST -
MID POST -
RT. POST - 13.8 FT

**M.M. 49.910 NB**

EDGELINE

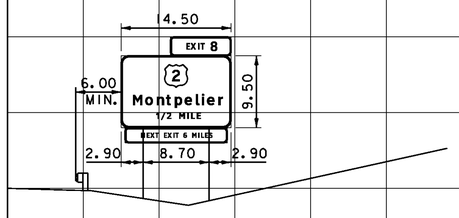



LT. POST - 21.6 FT
MID POST -
MID POST -
RT. POST - 23.1 FT

**M.M. 52.235 NB**

STEEL BEAM GUARDRAIL

EDGELINE

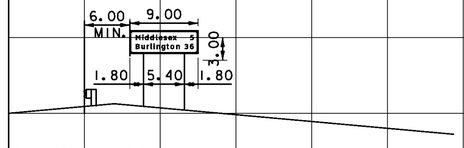



LT. POST - 18.8 FT
MID POST -
MID POST -
RT. POST - 19.1 FT

**M.M. 53.880 NB**

STEEL BEAM GUARDRAIL

EDGELINE

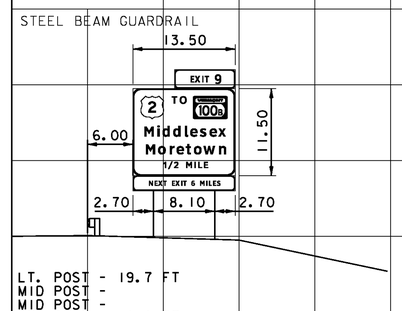



LT. POST - 10.0 FT
MID POST -
MID POST -
RT. POST - 10.5 FT

**M.M. 57.955 NB**

STEEL BEAM GUARDRAIL

EDGELINE

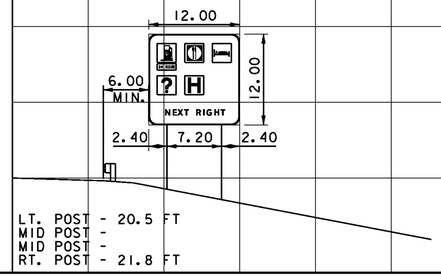



LT. POST - 19.7 FT
MID POST -
MID POST -
RT. POST - 19.9 FT

**M.M. 49.735 NB**

STEEL BEAM GUARDRAIL

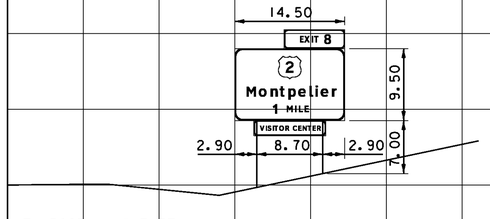
EDGELINE




LT. POST - 20.5 FT
MID POST -
MID POST -
RT. POST - 21.8 FT

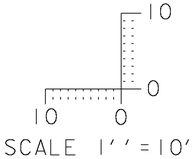
**M.M. 51.720 NB**

EDGELINE




LT. POST - 18.3 FT
MID POST -
MID POST -
RT. POST - 16.5 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.




## CROSS SECTION SHEET 3

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 149 OF 163

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

EDGELINE

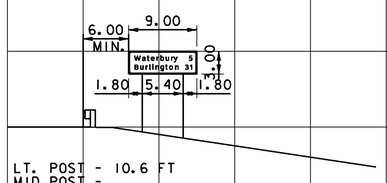
EDGELINE

EDGELINE

EDGELINE

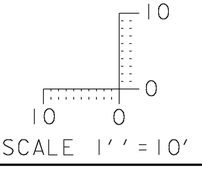
**M.M. 59.550 NB**

STEEL BEAM GUARDRAIL




LT. POST - 10.6 FT
MID POST -
MID POST -
RT. POST - 11.4 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.




SCALE 1'' = 10'

## CROSS SECTION SHEET 4

PROJECT NAME: ROYALTON-MIDDLESEX

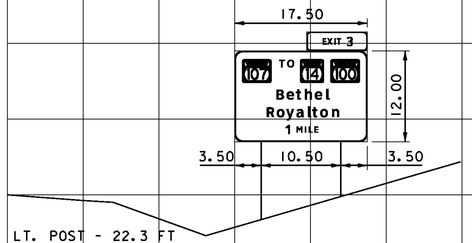
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 150 OF 163

**M.M. 23.300 SB**

EDGELINE




LT. POST - 22.3 FT
MID POST -
MID POST -
RT. POST - 19.2 FT

**M.M. 31.400 SB**

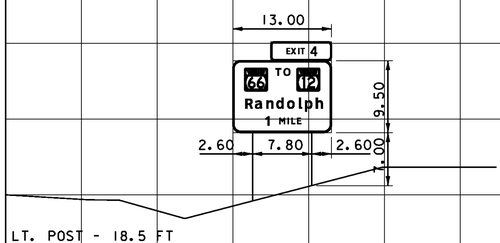
EDGELINE




LT. POST - 23.7 FT
MID POST -
MID POST -
RT. POST - 25.3 FT

**M.M. 32.060 SB**

EDGELINE

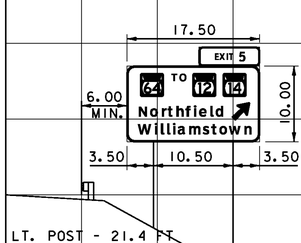



LT. POST - 18.5 FT
MID POST -
MID POST -
RT. POST - 16.5 FT

**M.M. 43.240 SB**

STEEL BEAM GUARDRAIL

EDGELINE

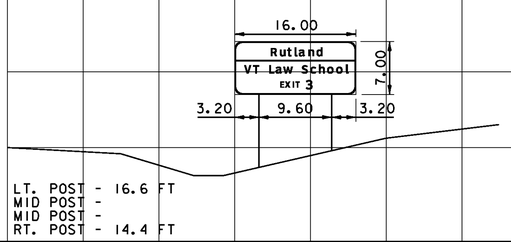



LT. POST - 21.4 FT
MID POST -
MID POST -
RT. POST - 27.1 FT

SEE FOOTING DETAIL ON SHEET 3

**M.M. 23.100 SB**

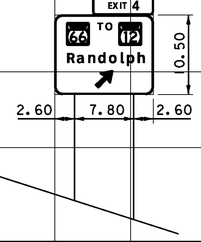
EDGELINE




LT. POST - 16.6 FT
MID POST -
MID POST -
RT. POST - 14.4 FT

**M.M. 31.200 SB**

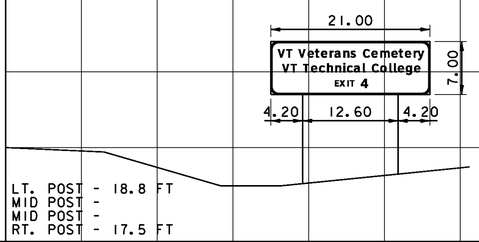
EDGELINE




LT. POST - 24.5 FT
MID POST -
MID POST -
RT. POST - 27.0 FT

**M.M. 31.820 SB**

EDGELINE

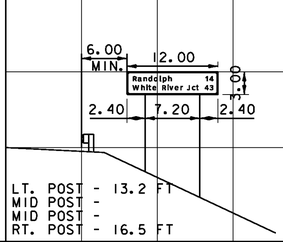



LT. POST - 18.8 FT
MID POST -
MID POST -
RT. POST - 17.5 FT

**M.M. 41.840 SB**

STEEL BEAM GUARDRAIL

EDGELINE

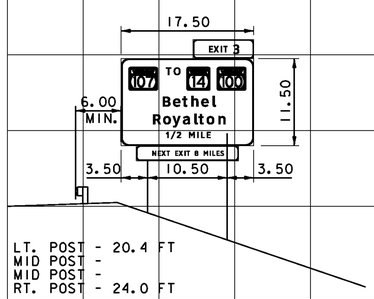



LT. POST - 13.2 FT
MID POST -
MID POST -
RT. POST - 16.5 FT

**M.M. 22.949 SB**

STEEL BEAM GUARDRAIL

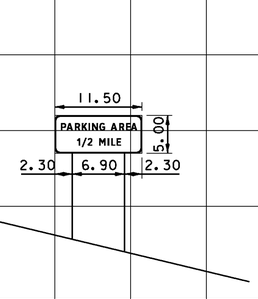
EDGELINE




LT. POST - 20.4 FT
MID POST -
MID POST -
RT. POST - 24.0 FT

**M.M. 30.200 SB**

EDGELINE

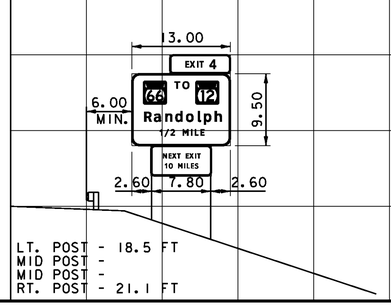



LT. POST - 16.4 FT
MID POST -
MID POST -
RT. POST - 18.0 FT

**M.M. 31.570 SB**

STEEL BEAM GUARDRAIL

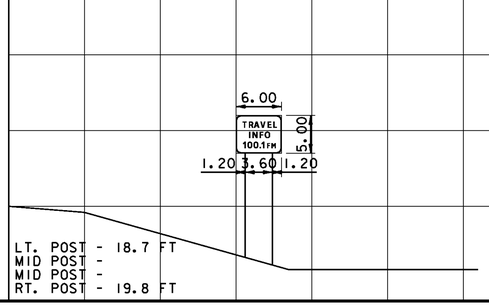
EDGELINE




LT. POST - 18.5 FT
MID POST -
MID POST -
RT. POST - 21.1 FT

**M.M. 38.150 SB**

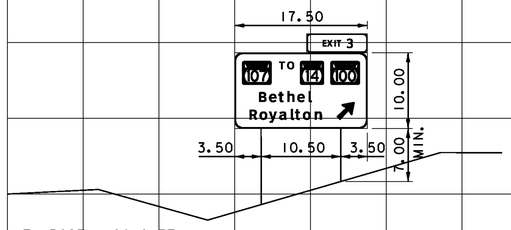
EDGELINE




LT. POST - 18.7 FT
MID POST -
MID POST -
RT. POST - 19.8 FT

**M.M. 22.640 SB**

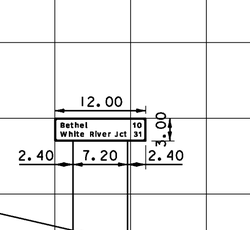
EDGELINE




LT. POST - 20.0 FT
MID POST -
MID POST -
RT. POST - 17.1 FT

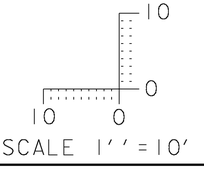
**M.M. 29.900 SB**

EDGELINE




LT. POST - 14.8 FT
MID POST -
MID POST -
RT. POST - 16.5 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.




## CROSS SECTION SHEET 5

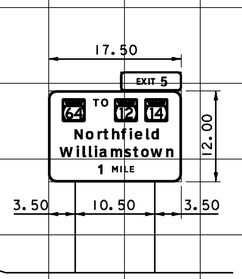
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 151 OF 163

EDGELINE

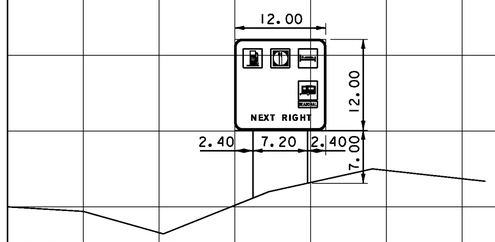
**M.M. 44.250 SB**




LT. POST - 24.0 FT
MID POST -
MID POST -
RT. POST - 24.0 FT

EDGELINE

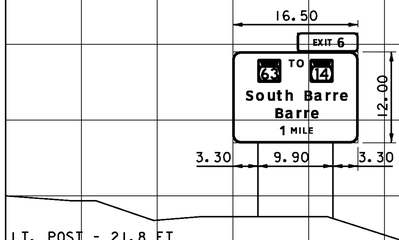
**M.M. 47.360 SB**




LT. POST - 21.0 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

EDGELINE

**M.M. 47.815 SB**

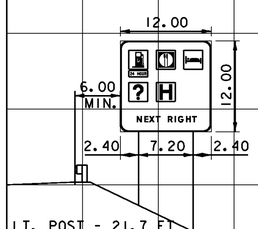



LT. POST - 21.8 FT
MID POST -
MID POST -
RT. POST - 22.0 FT

EDGELINE

**M.M. 51.080 SB**

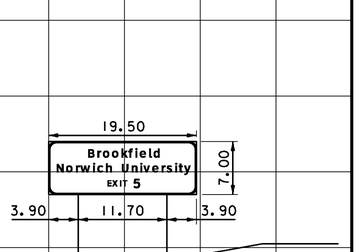
STEEL BEAM GUARDRAIL




LT. POST - 21.7 FT
MID POST -
MID POST -
RT. POST - 25.2 FT

EDGELINE

**M.M. 43.700 SB**

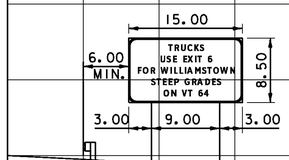



LT. POST - 17.4 FT
MID POST -
MID POST -
RT. POST - 15.8 FT

EDGELINE

**M.M. 47.200 SB**

STEEL BEAM GUARDRAIL



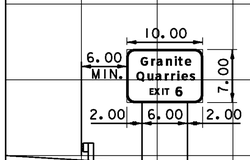

LT. POST - 19.6 FT
MID POST -
MID POST -
RT. POST - 24.7 FT

SEE FOOTING DETAIL ON SHEET 3

EDGELINE

**M.M. 47.660 SB**

STEEL BEAM GUARDRAIL




LT. POST - 17.1 FT
MID POST -
MID POST -
RT. POST - 20.4 FT

EDGELINE

**M.M. 50.930 SB**

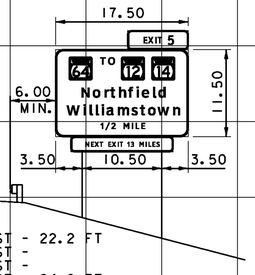



LT. POST - 24.2 FT
MID POST -
MID POST -
RT. POST - 26.0 FT

EDGELINE

**M.M. 43.540 SB**

STEEL BEAM GUARDRAIL

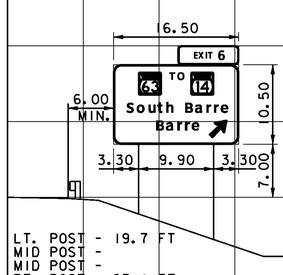



LT. POST - 22.2 FT
MID POST -
MID POST -
RT. POST - 24.9 FT

EDGELINE

**M.M. 46.940 SB**

STEEL BEAM GUARDRAIL

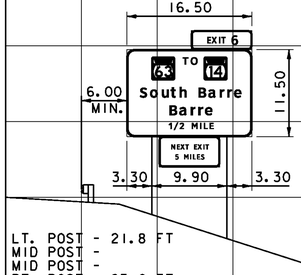



LT. POST - 19.7 FT
MID POST -
MID POST -
RT. POST - 23.1 FT

EDGELINE

**M.M. 47.510 SB**

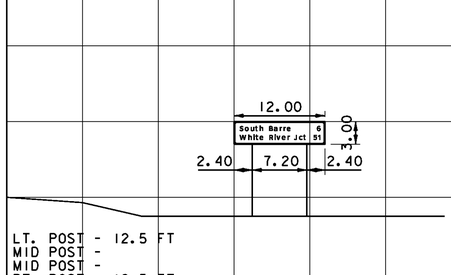
STEEL BEAM GUARDRAIL




LT. POST - 21.8 FT
MID POST -
MID POST -
RT. POST - 25.0 FT

EDGELINE

**M.M. 49.470 SB**

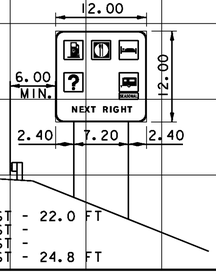



LT. POST - 12.5 FT
MID POST -
MID POST -
RT. POST - 12.5 FT

EDGELINE

**M.M. 43.390 SB**

STEEL BEAM GUARDRAIL

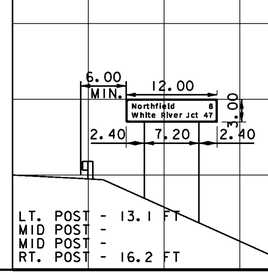



LT. POST - 22.0 FT
MID POST -
MID POST -
RT. POST - 24.8 FT

EDGELINE

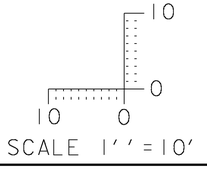
**M.M. 45.945 SB**

STEEL BEAM GUARDRAIL




LT. POST - 13.1 FT
MID POST -
MID POST -
RT. POST - 16.2 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.




# CROSS SECTION SHEET 6

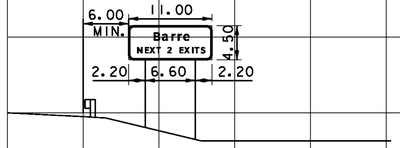
PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 152 OF 163

**M.M. 52.220 SB**

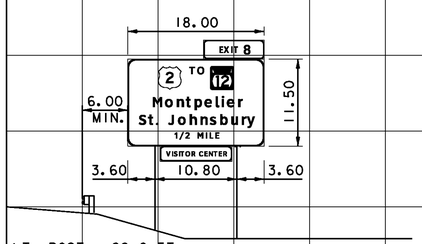
STEEL BEAM GUARDRAIL




LT. POST - 13.4 FT
MID POST -
MID POST -
RT. POST - 15.0 FT

**M.M. 53.850 SB**

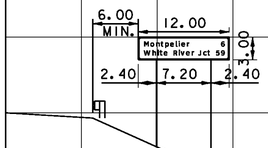
STEEL BEAM GUARDRAIL




LT. POST - 22.6 FT
MID POST -
MID POST -
RT. POST - 23.7 FT

**M.M. 57.850 SB**

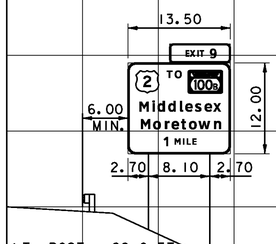
STEEL BEAM GUARDRAIL




LT. POST - 14.5 FT
MID POST -
MID POST -
RT. POST - 17.7 FT

**M.M. 59.870 SB**

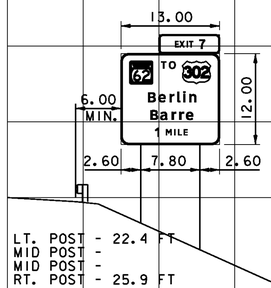
STEEL BEAM GUARDRAIL




LT. POST - 22.0 FT
MID POST -
MID POST -
RT. POST - 25.7 FT

**M.M. 51.615 SB**

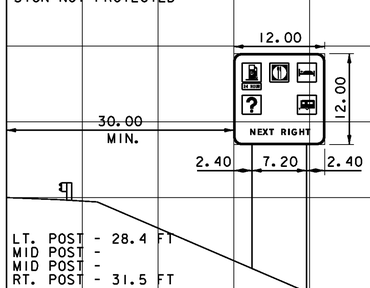
STEEL BEAM GUARDRAIL




LT. POST - 22.4 FT
MID POST -
MID POST -
RT. POST - 25.9 FT

**M.M. 53.550 SB**

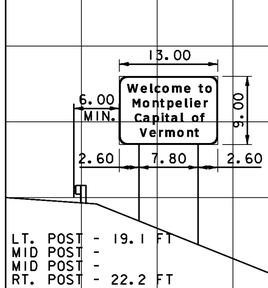
STEEL BEAM GUARDRAIL
SIGN NOT PROTECTED




LT. POST - 28.4 FT
MID POST -
MID POST -
RT. POST - 31.5 FT

**M.M. 54.304 SB**

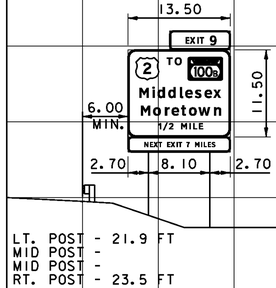
STEEL BEAM GUARDRAIL




LT. POST - 19.1 FT
MID POST -
MID POST -
RT. POST - 22.2 FT

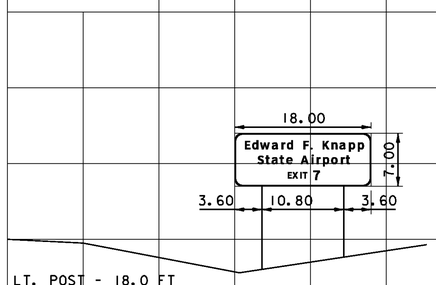
**M.M. 59.300 SB**

STEEL BEAM GUARDRAIL




LT. POST - 21.9 FT
MID POST -
MID POST -
RT. POST - 23.5 FT

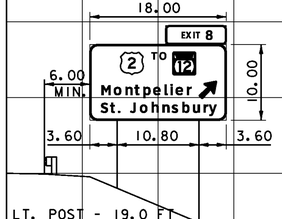
**M.M. 51.380 SB**




LT. POST - 18.0 FT
MID POST -
MID POST -
RT. POST - 16.4 FT

**M.M. 53.350 SB**

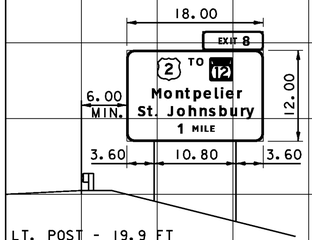
STEEL BEAM GUARDRAIL




LT. POST - 19.0 FT
MID POST -
MID POST -
RT. POST - 23.5 FT

**M.M. 54.150 SB**

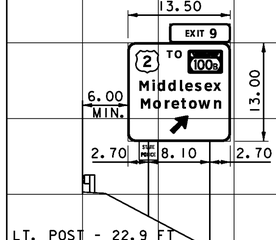
STEEL BEAM GUARDRAIL




LT. POST - 19.9 FT
MID POST -
MID POST -
RT. POST - 22.6 FT

**M.M. 59.000 SB**

STEEL BEAM GUARDRAIL

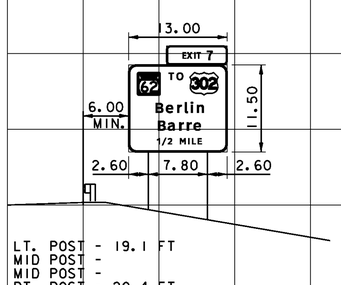



LT. POST - 22.9 FT
MID POST -
MID POST -
RT. POST - 27.2 FT

SEE FOOTING DETAIL ON SHEET 3

**M.M. 51.230 SB**

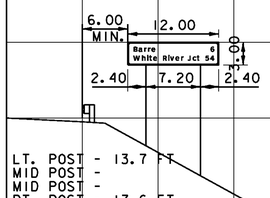
STEEL BEAM GUARDRAIL




LT. POST - 19.1 FT
MID POST -
MID POST -
RT. POST - 20.4 FT

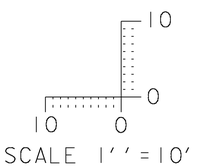
**M.M. 52.355 SB**

STEEL BEAM GUARDRAIL




LT. POST - 13.7 FT
MID POST -
MID POST -
RT. POST - 17.6 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.




# CROSS SECTION SHEET 7

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 153 OF 163

# GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION'S ''STANDARD SPECIFICATIONS FOR CONSTRUCTION'', DATED 2006, WITH CURRENT MODIFICATIONS.

2. OVERHEAD SIGN/SIGNAL SUPPORTS SHALL CONFORM TO AASHTO'S PUBLICATION ENTITLED ''STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS'', DATED 2006 OR ITS LATEST REVISION.

3. ADDITIONAL DESIGN CRITERIA ARE AS FOLLOWS:

   CONCRETE $f_c$ = 1400 PSI $f'_c$ = 3500 PSI
   REINFORCING $f_s$ = 24000 PSI (GRADE 60)
   FOOTING SOIL PRESSURE : 3000 PSF (MAXIMUM)

   WIND LOAD AND ICE LOAD PER AASHTO ''STANDARD SPECIFICATIONS''

4. ANCHOR BOLTS

   FOUR STAINLESS STEEL ANCHOR BOLTS WITH TWO HEXAGON NUTS, ONE WASHER AND ONE LOCK WASHER PER BOLT SHALL BE FURNISHED WITH EACH POLE. ANCHOR BOLT PLATES, WHEN USED, SHALL ALSO BE STAINLESS STEEL. SEE SUB-SECTION 714.09.

5. FLANGE BOLTS

   ALL FLANGE BOLTS AND HEX NUTS SHALL BE HIGH STRENGTH STEEL AND SHALL CONFORM TO ASTM A325. THE FLANGE BOLTS SHALL BE CAPABLE OF RESISTING 133% OF THE FULL DESIGN STRESS OF THE TUBE AT ITS YIELD STRENGTH STRESS.

6. HORIZONTAL AND VERTICAL MEMBERS

   STEEL TUBES SHALL BE FORMED AND WELDED WITH ONE CONTINUOUS LONGITUDINAL WELD ONLY. AFTER FORMING AND WELDING THEY SHALL BE COLD ROLLED TO ENSURE UNIFORMITY OF SIZE AND SMOOTHNESS OF WELD. THEY SHALL HAVE A MINIMUM YIELD STRENGTH OF 48,000 PSI. THERE SHALL BE NO TRANSVERSE WELDING EXCEPT AT THE FLANGE CONNECTIONS AND POLE BASE PLATES, WHERE THE TUBES SHALL TELESCOPE THE FLANGES AND PLATES AND BE CONTINUOUSLY WELDED BOTH SIDES INSIDE AND OUT TO WITHSTAND THE FULL TRANSFER OF THE BENDING STRENGTH TO THE BOLTS

7. GALVANIZING

   ALL STEEL COMPONENTS, EXCEPT CONCRETE REINFORCING AND STAINLESS STEEL HARDWARE, ARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. THE ASSEMBLIES SHALL BE DESIGNED AND FABRICATED TO PERMIT GALVANIZING ON ALL INTERIOR AND EXTERIOR SURFACES AND SHALL BE FREE OF POCKETS AND OTHER STRUCTURAL OBSTRUCTIONS THAT WILL NOT PERMIT PROPER DEPOSITION OF ZINC COATING. GALVANIZING SHALL BE IN ACCORDANCE WITH ASTM A123 AND A153.

8. WELDING

   A. ALL DESIGN DETAILS, WORKMANSHIP, PROCEDURES AND INSPECTION SHALL CONFORM WITH SUB-SECTION 506.10.

   B. ALL WELDS SHALL BE AT LEAST AS STRONG AS THE MATERIAL(S) BEING WELDED.

9. FOOTINGS

   A. FOOTINGS SHALL BE DESIGNED TO RESIST LOADS EQUAL TO, OR GREATER THAN, THE MAXIMUM LOADS THAT THE POLE IS DESIGNED FOR.

   B. THREE TYPES OF FOUNDATIONS, AS OUTLINED IN AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2) SECTION 1.8.2 (C) SHALL BE ALLOWED.

      1. DRILLED SHAFTS
      2. SPREAD FOOTINGS AND
      3. PILES.

   C. DRILLED SHAFT FOOTINGS SHALL BE POURED IN DRILLED SHAFTS AGAINST UNDISTURBED MATERIAL. THE TOP TWO FEET OF SOIL SHALL BE NEGLECTED FOR DESIGN PURPOSES.

   D. THE FOLLOWING DESIGN CRITERIA SHALL BE USED:

      1. ASSUME FRICTION ANGLE OF 30 DEGREES FOR ALL SOILS.
      2. DESIGN EMBEDMENT DEPTH IN ACCORDANCE WITH BROM'S METHOD (SECTION 13.6.1.1 AASHTO 'STANDARD SPECIFICATIONS') WITH 0.7 FOR UNDER CAPACITY FACTOR AND 2.5 FOR OVERLOAD FACTOR (OVERALL FACTOR OF SAFETY OF 3.5).

   E. AS AN ALTERNATIVE TO THE DRILLED HOLES, FOOTINGS MAY BE POURED IN EXCAVATED HOLES USING THE PROPER FORMS, WHICH MUST BE REMOVED. THE EXCAVATED HOLES SHALL BE AT LEAST TWO FEET CLEAR OF THE FOOTING SIDES AND ONE FOOT DEEPER THAN THE FOOTING. CARE SHALL BE TAKEN TO AVOID EXCAVATING AROUND THE TOP OF THE FOOTING. THE BACKFILL MATERIAL SHALL BE COMPACTED AS DESCRIBED IN SUB-SECTION 204.08. DESIGN LIMITS AS FOR AUGERED FOOTING APPLY.

   F. WHEN THE DESIGN DEPTH OF A FOOTING CANNOT BE OBTAINED DUE TO UNFORSEEN FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN A REVISED FOOTING DETAIL FROM THE ENGINEER.

   G. ANY BACKFILL PLACED ADJACENT TO THE FOOTING SHALL BE GRANULAR MATERIAL MEETING THE REQUIREMENTS FOR GRANULAR BACKFILL FOR STRUCTURES, SUB-SECTION 704.08. CONCRETE FOR FOOTING SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE, CLASS B, SECTION 501, STRUCTURAL CONCRETE. GROUT MATERIAL SHALL BE NON-SHRINKING MORTAR CONFORMING TO SUB-SECTION 707.03 (MORTAR TYPE IV).

   H. SIGNALS/SIGNS SHALL BE INSTALLED AND LEVELED AND POLES SHALL BE PLUMB PRIOR TO PLACING GROUT UNDER POLE BASE.

10. SHOP DRAWINGS (6 COPIES OF EACH) SHALL BE SUBMITTED TO THE STATE OF VERMONT, AGENCY OF TRANSPORTATION, STRUCTURES DIVISION FOR APPROVAL PRIOR TO FABRICATION. THE SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING INFORMATION:

    A. DETAILED DRAWING OF EACH COMPONENT OF THE STRUCTURE.

    B. MATERIAL SPECIFICATION FOR EACH COMPONENT OF THE STRUCTURE, EITHER BY COMPLETE SPECIFICATION OR REFERENCE TO APPLICABLE ASTM STANDARDS.

    C. NOTATION OF PROJECT NAME, PROJECT NUMBER, ROUTE NUMBER, AND STRUCTURE STATIONING (TO BE INCLUDED ON EACH SHEET).

    D. DETAILS FOR LOCATION OF SIGNS/SIGNALS AND ATTACHMENT HARDWARE FOR THE SUPPORT STRUCTURE.

    E. ALL ELEVATIONS AND DIMENSIONS NECESSARY TO PROVIDE A COMPLETE SET OF RECORD PLANS.

    F. DEAD LOAD DEFLECTION AND CAMBER INFORMATION.

    G. WELDING DETAILS AND PROCEDURES ARE REQUIRED FOR ALL WELDS. PROCEDURES SHALL BE SUBMITTED FOR APPROVAL WITH REFERENCE TO EACH WELD IDENTIFIED ON THE SHOP DRAWINGS. (SEE SUB-SECTION 506.10)

11. EACH OVERHEAD TRAFFIC SIGN SUPPORT SHALL BE GROUNDED.
    THE GROUND SHALL CONSIST OF:
    A) AN INTERNAL GROUND LUG OPPOSITE THE HAND HOLE.
    B) A #6 (MIN.) SOFT DRAWN COPPER GROUNDING ELECTRODE CONDUCTOR.
    C) A 5/8'' X 8' (MIN.) COPPER CLAD GROUNDING ELECTRODE.
    THE RESISTANCE TO GROUND SHALL BE 25 OHMS OR LESS. ADDITIONAL GROUNDING ELECTRODES MAY BE REQUIRED (MINIMUM SPACING SHALL BE 6').
    WHEN A POWER SERVICE, METER AND DISCONNECT ARE ATTACHED TO A POLE, THERE SHALL BE A CONTINUOUS GROUNDING ELECTRODE CONDUCTOR FROM THE METER AND DISCONNECT WHICH MAY RUN INTERNAL TO THE UPRIGHT, THROUGH THE 1/2'' FLEXIBLE TUBING IN THE CONCRETE BASE TO THE REQUIRED GROUNDING ELECTRODE(S). THE GROUNDING ELECTRODE CONDUCTOR FROM THE POLE GROUNDING LUG, CONTROLLER CABINET AND/OR LUMINAIRE MAY ATTACH TO THIS CONTINUOUS GROUNDING ELECTRODE CONDUCTOR FROM THE SERVICE METER AND DISCONNECT. THE CONTRACTOR SHALL PERFORM A RESISTANCE TO GROUND TEST ON THE CONTINUOUS GROUNDING ELECTRODE CONDUCTOR FROM THE SERVICE METER AND DISCONNECT AND PROVIDE A WRITTEN STATEMENT TO THE AREA ELECTRICAL INSPECTOR THAT THE GROUNDING ELECTRODE CONDUCTOR IS CONTINUOUS FROM THE SERVICE METER AND DISCONNECT AND THE RESISTANCE TO GROUND IS 25 OHMS OR LESS.

12. THE COST OF SIGN SUPPORTS, INCLUDING ALL HARDWARE, SIGN BRACKETS, FOOTINGS AND LUMINAIRE ARMS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 677.13, THESE COMPONENTS SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF SECTION 677.

13. HORIZONTAL MEMBERS SHALL BE CAMBERED AND THE VERTICAL POLES BACK-RAKED (WHERE APPLICABLE) TO THE ANTICIPATED DEAD LOAD DEFLECTION PLUS THE CAMBER, IF ANY, SPECIFIED ON THE PLANS.

14. AN EQUIVALENT ALTERNATE DESIGN MAY BE SUBSTITUTED FOR THE DETAILS AND MATERIALS SHOWN.

15. THE DETAILS OF DESIGN FOR THE STRUCTURE AND FOOTINGS ARE TO BE SUPPLIED BY THE CONTRACTOR AND/OR BY THE MANUFACTURER. THE STRUCTURE SHALL BE DESIGNED TO RESIST THE MAXIMUM LOADING AS OUTLINED IN THE AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2). ALL DETAILS OF THE STRUCTURE AND THE FOOTING SHALL BE CHECKED AND STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF VERMONT PRIOR TO SUBMITTAL OF THE SHOP DRAWINGS TO THE VERMONT AGENCY OF TRANSPORTATION.

16. IN ADDITION TO THE SHOP DRAWINGS OUTLINED IN NOTE 10, THE CONTRACTOR SHALL SUBMIT ALL DESIGN CALCULATIONS TO THE VERMONT AGENCY OF TRANSPORTATION, STRUCTURES DIVISION, SHOWING THE FOLLOWING INFORMATION FOR EACH OF THE VERTICAL AND HORIZONTAL COMPONENTS OF THE STRUCTURE AND FOOTING:

    A. THE DESIGN AXIAL AND SHEAR FORCES AND BENDING AND TORSIONAL MOMENTS.

    B. THE DESIGN AXIAL, BENDING AND SHEAR STRESSES AND THE COMBINED STRESS RATIO.

    C. VIBRATION AND FATIGUE CALCULATIONS AS SET FORTH IN SECTION 9 OF THE AASHTO PUBLICATION REFERENCED IN NOTE 2.

    D. THE ALLOWABLE AXIAL, BENDING, AND SHEAR STRESSES.

    E. ITEMS A, B, D - SHALL BE SHOWN FOR EACH OF THE GROUP LOADINGS (I, II, III) AND FOR THE BASIC WIND LOAD APPLIED TO THE TWO CASES OUTLINED IN THE AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2) SECTION 1.2.5 (D)(4).

    F. FAILURE TO SUPPLY THE PROPER DESIGN INFORMATION SHALL BE CAUSE FOR REJECTION OF THE STRUCTURE.

    G. A MINIMUM OF FOUR (4) WEEKS SHALL BE REQUIRED FOR REVIEW BY THE VERMONT AGENCY OF TRANSPORTATION, STRUCTURES DIVISION.

17. THE CONTRACTOR/MANUFACTURER SHALL BE RESPONSIBLE FOR COMPLETION OF THE STRUCTURE AND FOOTING DATA ON THE DETAIL SHEET(S).

18. FOR INSTALLATIONS WHERE BOTH ''EXISTING'' AND ''FUTURE'' CONDITIONS ARE SHOWN, THE SUPPORTS SHALL BE DESIGNED FOR THE MORE SEVERE OF THE TWO LOADING CONDITIONS. THE INFORMATION OUTLINED IN NOTE 16 ABOVE SHALL BE PROVIDED FOR BOTH THE LOADING CONDITIONS.

19. NOT USED.

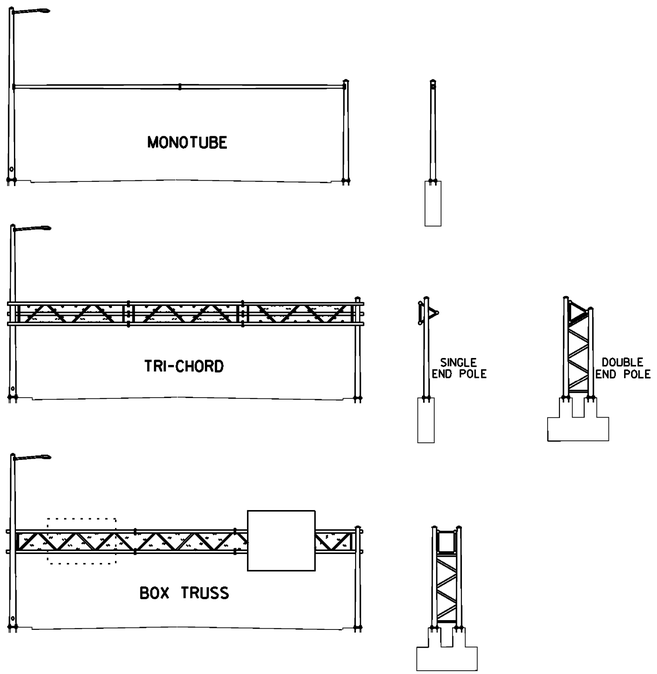
20. BASE PLATES SHALL BE STAMPED WITH THE VERTICAL POLE DIAMETER, HEIGHT, YIELD STRENGTH, GAUGE AND THE HORZONTAL MEMBER DIAMETER, LENGTH, YIELD STRENGTH, GAUGE. ALTERNATELY, THE INFORMATION MAY BE STAMPED ON A METAL TAG RIVETED TO THE POLE NEAR THE HANDHOLE.

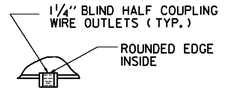
**OVERHEAD SIGN SUPPORT NOTES**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

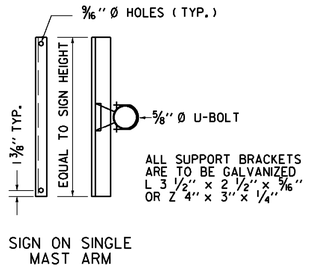
FILE NAME: z09a020overhead.dgn PLOT DATE: 8/12/2009
PROJECT LEADER: CRB DRAWN BY: JBZ
DESIGNED BY: JBZ CHECKED BY: BDB
CLD REF. NO.: 09-0106 SHEET 154 OF 163

MODEL:gen notes



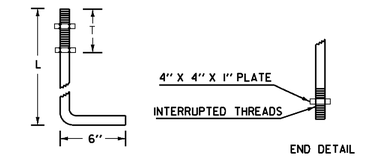

**DETAIL A**



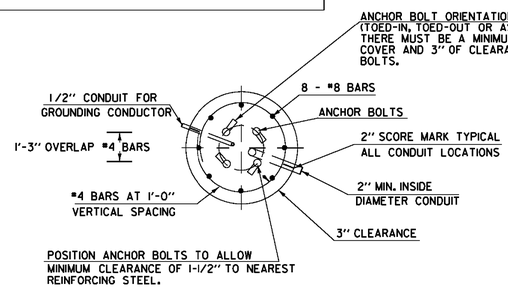

SIGN ON SINGLE MAST ARM

**SIGN BRACKET DETAILS**

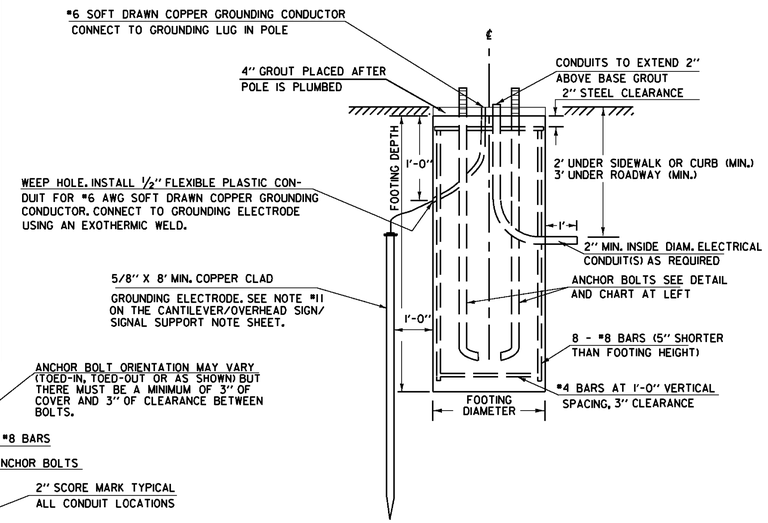
| ANCHOR BOLT DETAIL | | |
|---|---|---|
| SIZE | L (IN) | T (IN) |
| 1- 1/4" X 48" | 42 | 8 |
| 1- 1/2" X 60" | 54 | 9 |
| 1- 3/4" X 90" | 84 | 9 |
| 2" X 96" | 96 | 9 |




**ANCHOR BOLT DETAIL**



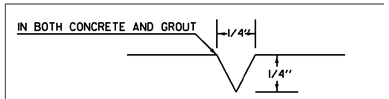

**SECTION**




**ELEVATION**

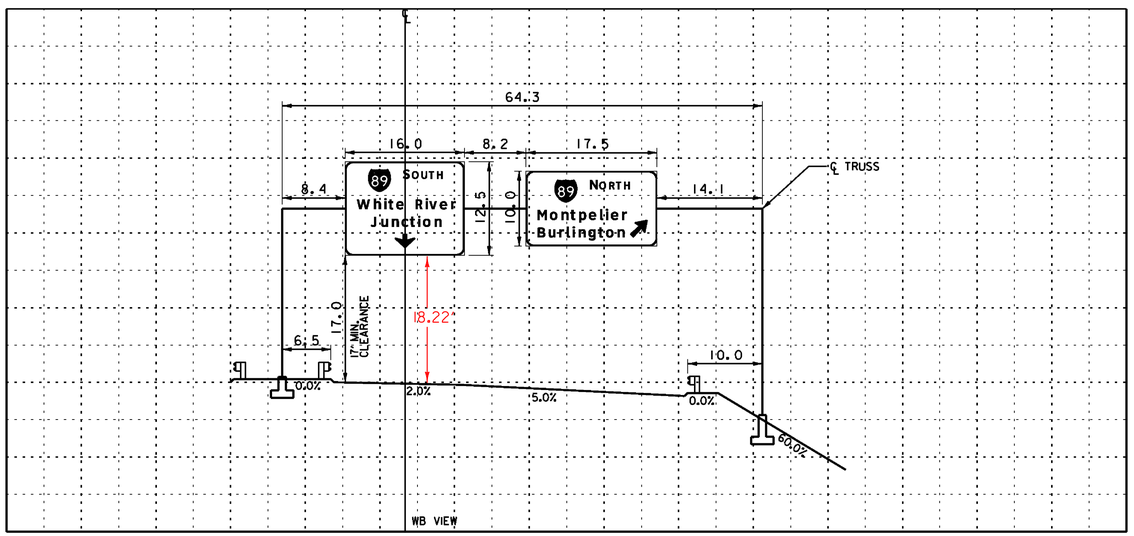
# OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

( SPREAD FOOTINGS OR PILES ARE OPTIONAL )




USED FOR CONDUIT LOCATION, SEE SECTION DETAIL AT LEFT

**2" SCORE MARK DETAIL**



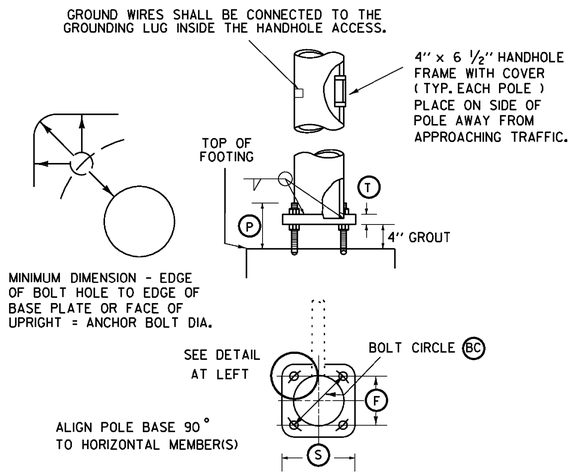

(SEE SHEET 39 FOR LOCATION PLAN)

**OVERHEAD SIGN BRIDGE CROSS SECTION**

SCALE 1"=10'

## NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.




**POLE BASE AND BASE PLATE DETAIL**

NOTE:
DETAILS
NTS

LAST REVISED 8/15/95

# OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

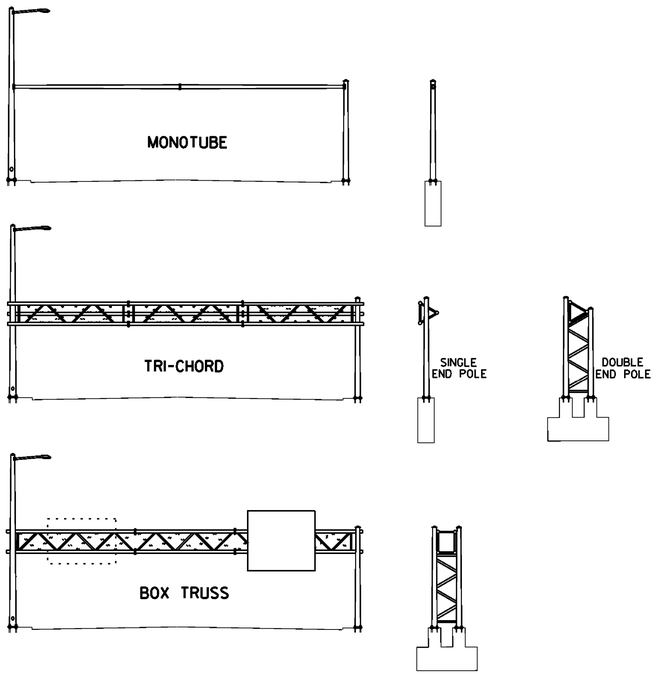
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***VT 63***
***M.M. 0.138 LT***

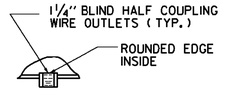
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PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

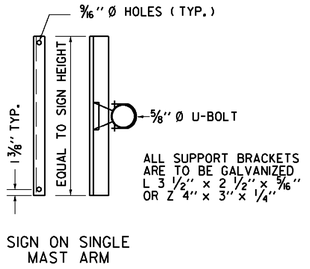
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 155 OF 163

MODEL: detail



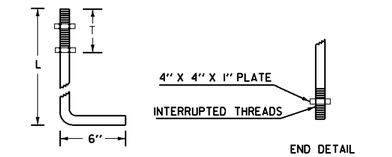

**DETAIL A**



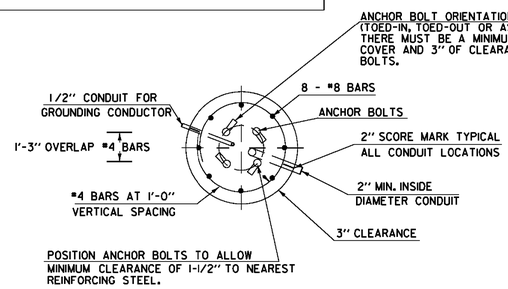

SIGN ON SINGLE MAST ARM

**SIGN BRACKET DETAILS**

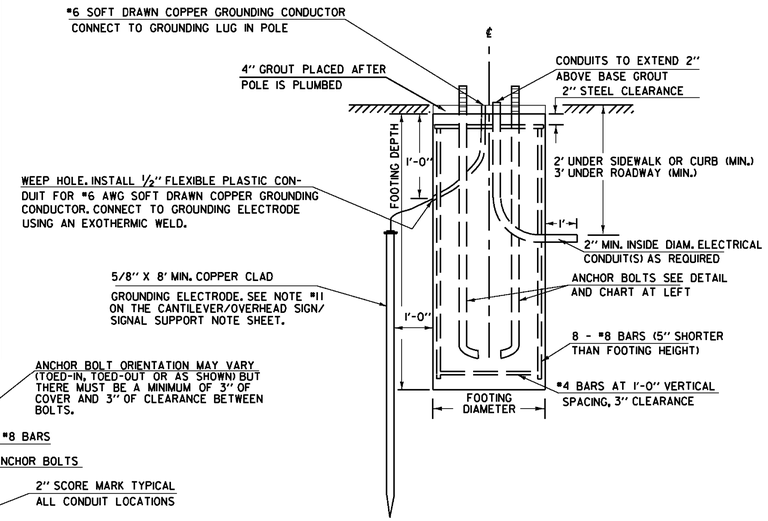
| ANCHOR BOLT DETAIL | | |
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**ANCHOR BOLT DETAIL**



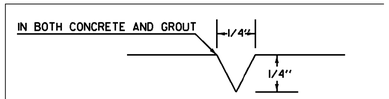

**SECTION**




**ELEVATION**

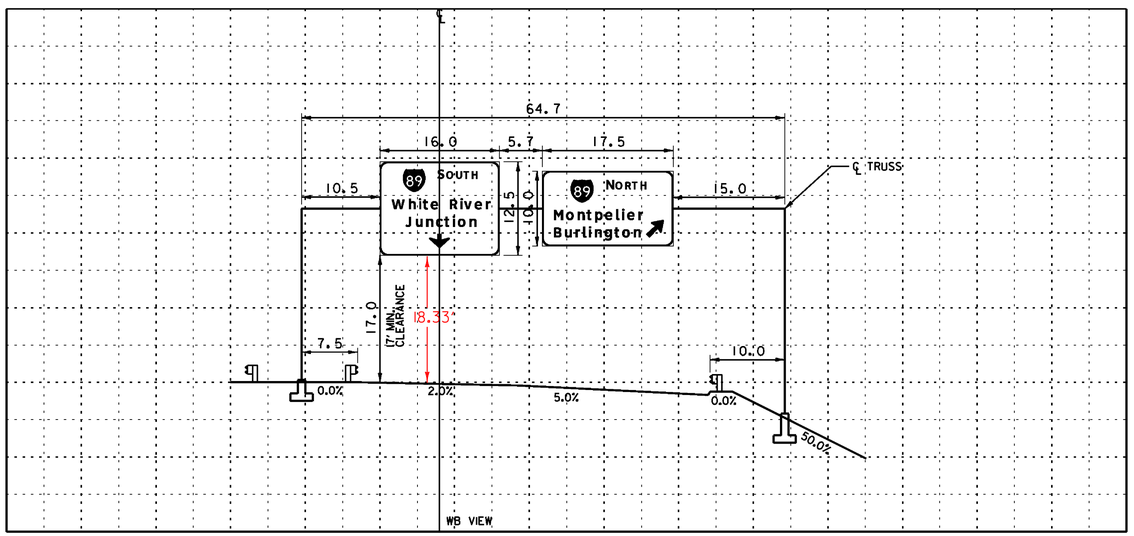
# OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

( SPREAD FOOTINGS OR PILES ARE OPTIONAL )




USED FOR CONDUIT LOCATION, SEE SECTION DETAIL AT LEFT

**2" SCORE MARK DETAIL**



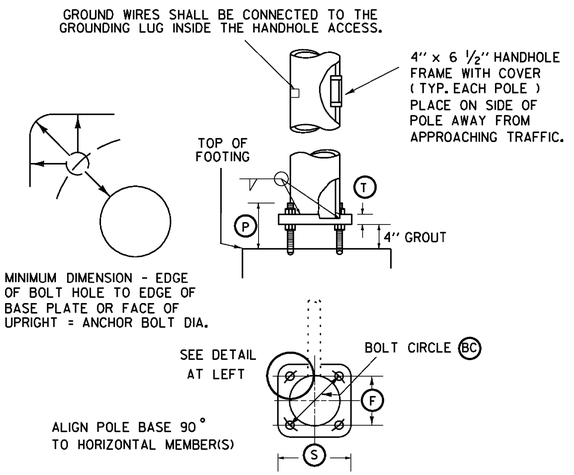

(SEE SHEET 40 FOR LOCATION PLAN)

**OVERHEAD SIGN BRIDGE CROSS SECTION**

SCALE 1'' =10'

## NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.




**POLE BASE AND BASE PLATE DETAIL**

NOTE:
DETAILS
NTS

LAST REVISED 8/15/95

MODEL: detail2

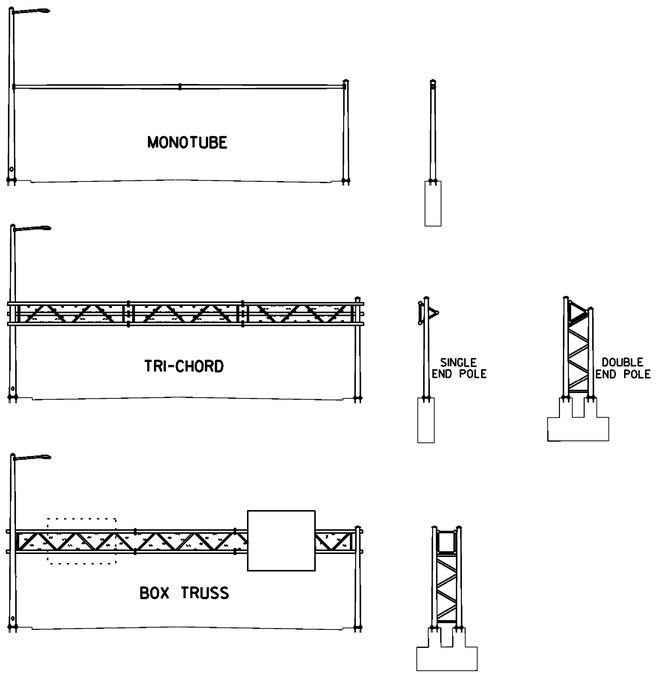
# OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

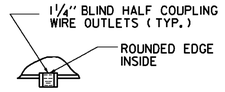
***INTERCHANGE #7***
***VT 62***
***M.M. 0.115 LT***

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

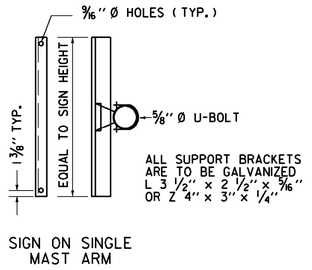
FILE NAME: z09a020overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106

PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 156 OF 163



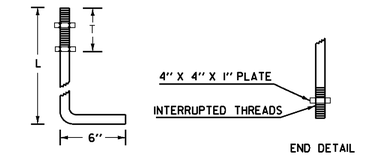

**DETAIL A**



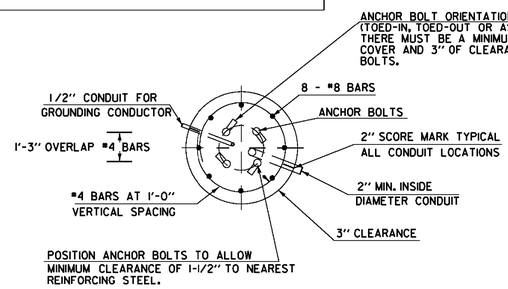

SIGN ON SINGLE MAST ARM

**SIGN BRACKET DETAILS**

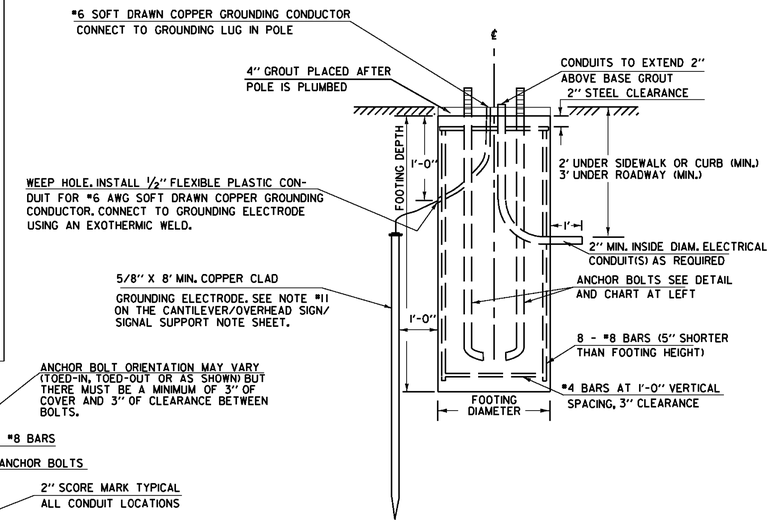
| ANCHOR BOLT DETAIL | | |
|---|---|---|
| SIZE | L (IN) | T (IN) |
| 1- 1/4" X 48" | 42 | 8 |
| 1- 1/2" X 60" | 54 | 9 |
| 1- 3/4" X 90" | 84 | 9 |
| 2" X 96" | 96 | 9 |




**ANCHOR BOLT DETAIL**



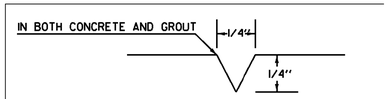

**SECTION**




**ELEVATION**

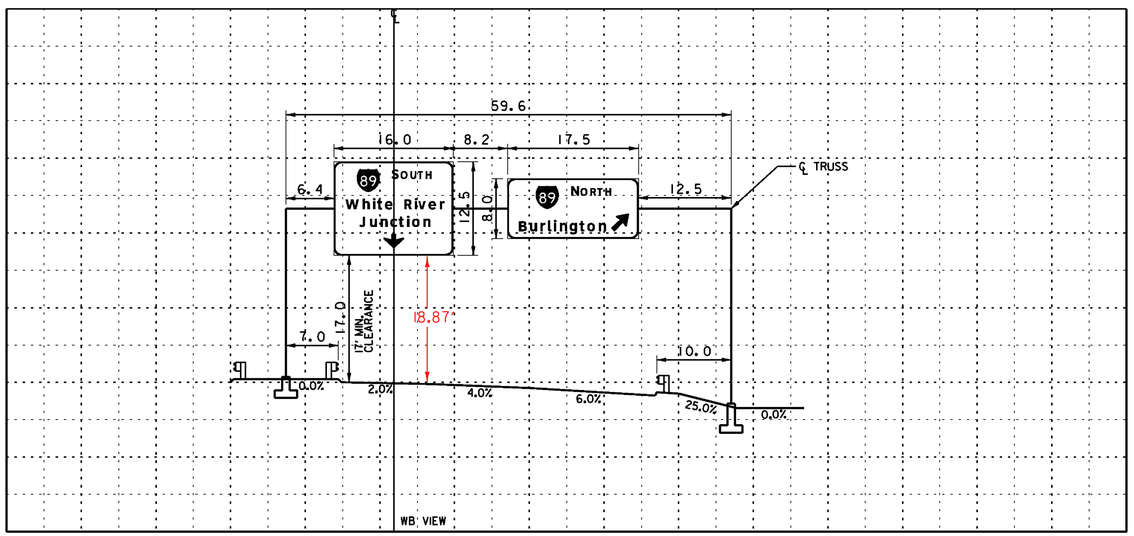
# OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

( SPREAD FOOTINGS OR PILES ARE OPTIONAL )




USED FOR CONDUIT LOCATION, SEE SECTION DETAIL AT LEFT

**2" SCORE MARK DETAIL**



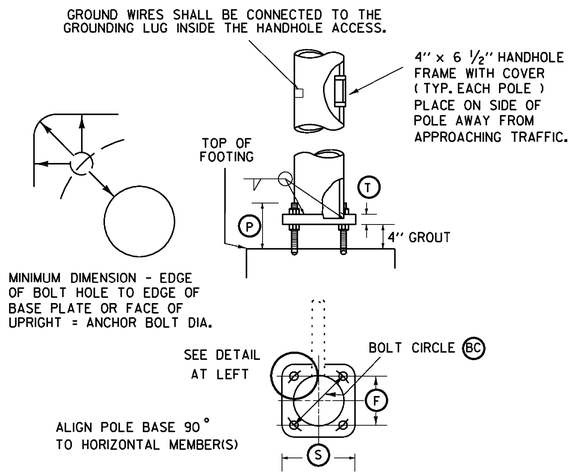

(SEE SHEET 41 FOR LOCATION PLAN)

**OVERHEAD SIGN BRIDGE CROSS SECTION**

SCALE 1"=10'

## NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.




**POLE BASE AND BASE PLATE DETAIL**

MODEL: detail3

NOTE: DETAILS NTS

LAST REVISED 8/15/95

# OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

***INTERCHANGE #8***
***MONTPELIER S.H.***
***M.M. 0.102 LT***

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 157 OF 163

*Table 6H-2. Meaning of Symbols on Typical Application Diagrams*

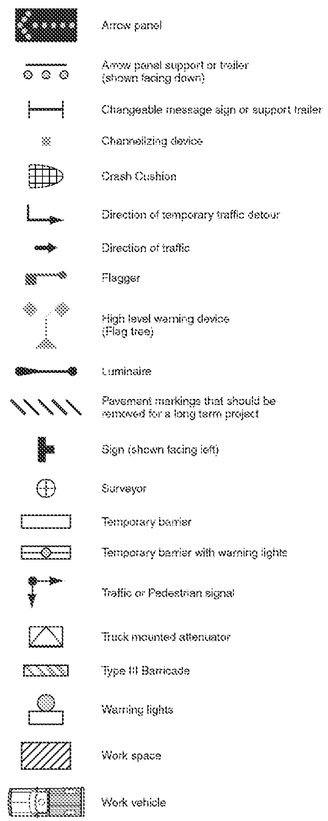



*Figure 6E-1. Use of Hand-Signaling Devices by Flaggers*

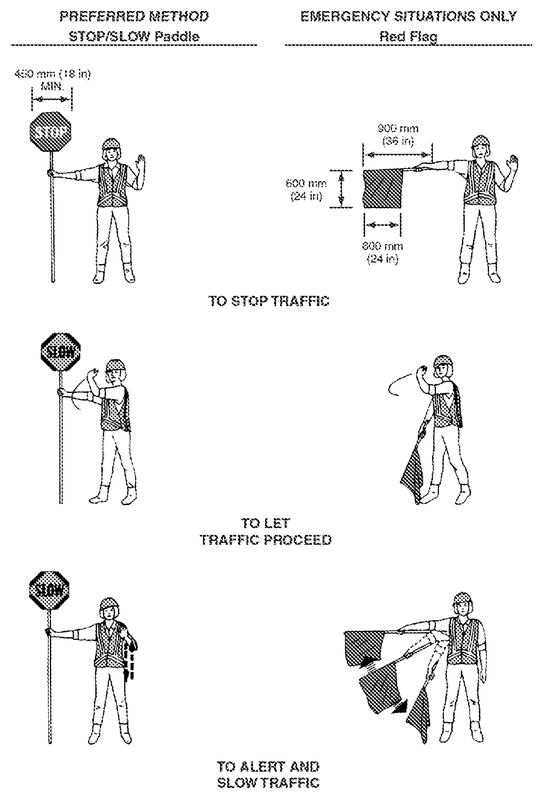



*Figure 6C-2. Types of Tapers and Buffer Spaces*

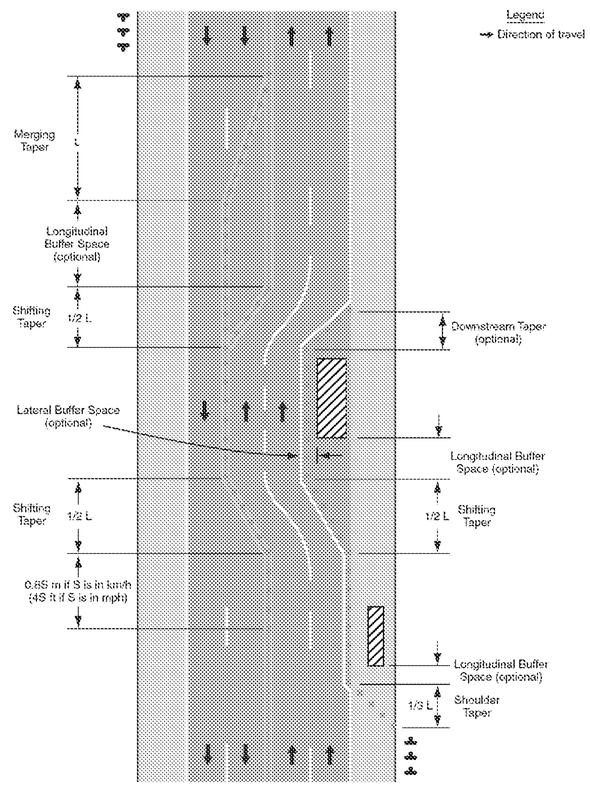
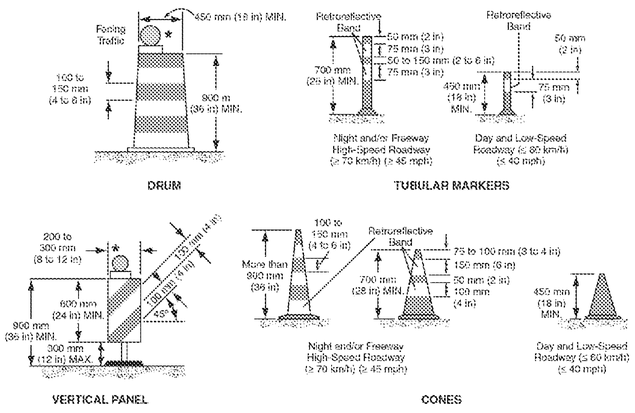



*Figure 6F-7. Channelizing Devices (Sheet 1 of 2)*




* Warning lights (optional)

Note: If drums, cones, or tubular markers are used to channelize pedestrians, they shall be located such that there are no gaps between the bases of the devices, in order to create a continuous bottom, and the height of each individual drum, cone, or tubular marker shall be no less than 900 mm (36 in) to be detectable to users of long canes.

*Table 6C-3. Taper Length Criteria for Temporary Traffic Control Zones*

| Type of Taper | Taper Length (L)* |
|---|---|
| Merging Taper | at least L |
| Shifting Taper | at least 0.5L |
| Shoulder Taper | at least 0.33L |
| One-Lane, Two-Way Traffic Taper | 30 m (100 ft) maximum |
| Downstream Taper | 30 m (100 ft) per lane |

*Table 6C-4. Formulas for Determining Taper Lengths*

| Speed Limit (S) | Taper Length (L) Meters |
|---|---|
| 60 km/h or less | $L = \frac{WS^2}{155}$ |
| 70 km/h or more | $L = \frac{WS}{1.6}$ |

| Speed Limit (S) | Taper Length (L) Feet |
|---|---|
| 40 mph or less | $L = \frac{WS^2}{60}$ |
| 45 mph or more | $L = WS$ |

Where: L = taper length in meters (feet)
W = width of offset in meters (feet)
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in km/h (mph)

TEMPORARY TRAFFIC CONTROL NOTES

1. EMERGENCY RESPONSE UNITS SHALL BE GIVEN PRIORITY AND ACCESS SHALL BE PROVIDED AT ALL TIMES
2. ALL TEMPORARY PAVEMENT MARKINGS, TRAFFIC CONTROL DEVICES, AND SIGNING SHALL CONFORM TO MUTCD AND VERMONT AGENCY OF TRANSPORTATION STANDARDS.
3. TRAFFIC CONTROL SIGNING CONTRARY TO CONSTRUCTION SIGNING SHALL BE COVERED DURING CONSTRUCTION. TRAFFIC CONTROL SIGNING SHALL ONLY BE PRESENT WHEN ACTUAL SCENARIOS DEPICTED ARE PRESENT.
4. ALL WORK SHALL BE EXECUTED IN A MANNER TO PROVIDE THE LEAST AMOUNT OF IMPACT TO TRAFFIC.
5. ITEM 641.10 "TRAFFIC CONTROL" SHALL INCLUDE THE FOLLOWING: CONSTRUCTION SIGNING AND POSTS, CHANNELIZATION DEVICES AND ADJUSTING, RELOCATING AND REMOVAL OF THESE DEVICES. ITEM 630.10 "UNIFORMED TRAFFIC OFFICERS", ITEM 630.15 "FLAGGERS", ITEM 641.15 PORTABLE CHANGEABLE MESSAGE SIGNS, AND ITEM 641.16 PORTABLE ARROW BOARDS SHALL BE PAID SEPARATELY.
6. CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN FOR REMOVAL AND INSTALLATION OF OVERHEAD STRUCTURES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALLOW TWO WEEKS FOR APPROVAL OF THE TRAFFIC CONTROL PLAN. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL. TRAFFIC CONTROL FOR INSTALLATION OF THE OVERHEAD SIGN STRUCTURES AT INTERCHANGE 6, INTERCHANGE 7, AND INTERCHANGE 8 SHALL BE IN ACCORDANCE WITH THE DETAILS PROVIDED AND APPROPRIATE SECTIONS OF THE MUTCD. THESE OPERATIONS WILL REQUIRE SHORT TERM TRAFFIC STOPPAGES, WHICH SHALL NOT EXCEED 15 MINUTES IN DURATION. STOPPAGES SHALL BE PERFORMED ON A SUNDAY PRIOR TO 10:00 AM. THE CONTRACTOR SHALL INFORM THE PUBLIC VIA PORTABLE CHANGABLE MESSAGE SIGNS OF STOPPAGES AT LEAST ONE WEEK IN ADVANCE OF THE FIRST STOPPAGE.

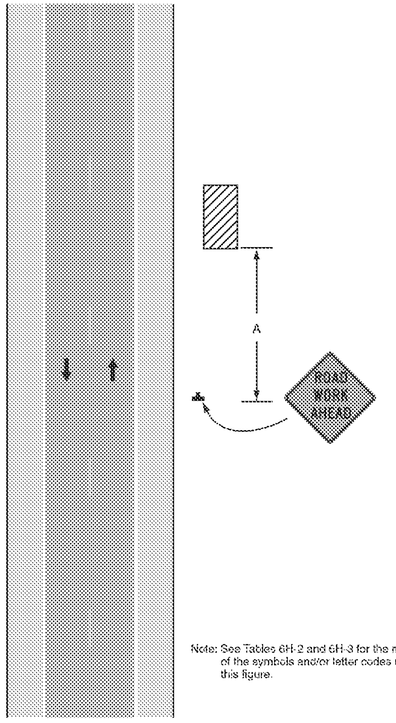
**TRAFFIC CONTROL DETAILS SHEET 1**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JJB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JJB
CHECKED BY: BDB
SHEET 158 OF 163

MODEL: 01

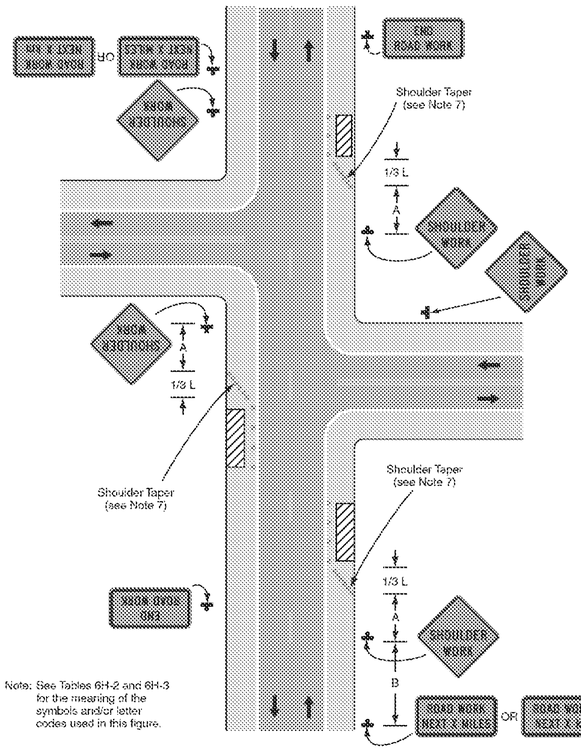
*Figure 6H-1. Work Beyond the Shoulder (TA-1)*




Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1

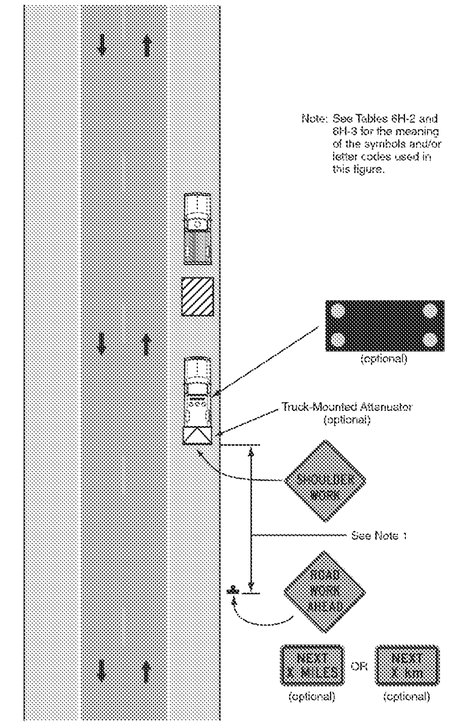
*Figure 6H-3. Work on Shoulders (TA-3)*




Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 3

*Figure 6H-4. Short-Duration or Mobile Operation on Shoulder (TA-4)*




Typical Application 4

*Table 6C-1. Suggested Advance Warning Sign Spacing*

| Road Type | Distance Between Signs** | | |
|---|---|---|---|
| | A | B | C |
| Urban (low speed)* | 30 (100) | 30 (100) | 30 (100) |
| Urban (high speed)* | 100 (350) | 100 (350) | 100 (350) |
| Rural | 150 (500) | 150 (500) | 150 (500) |
| Expressway / Freeway | 300 (1,000) | 450 (1,500) | 800 (2,640) |

* Speed category to be determined by highway agency

** Distances are shown in meters (feet). The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The third sign is the first one in a three-sign series encountered by a driver approaching a TTC zone.)

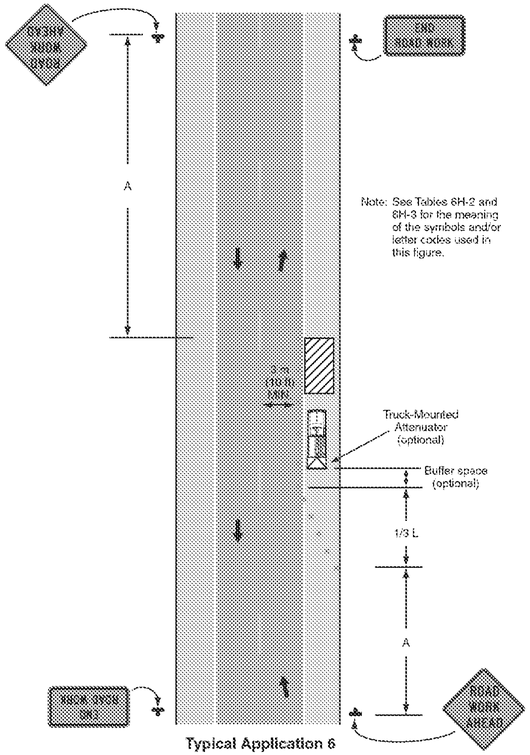
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PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JJB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JJB
CHECKED BY: BDB
SHEET 159 OF 163

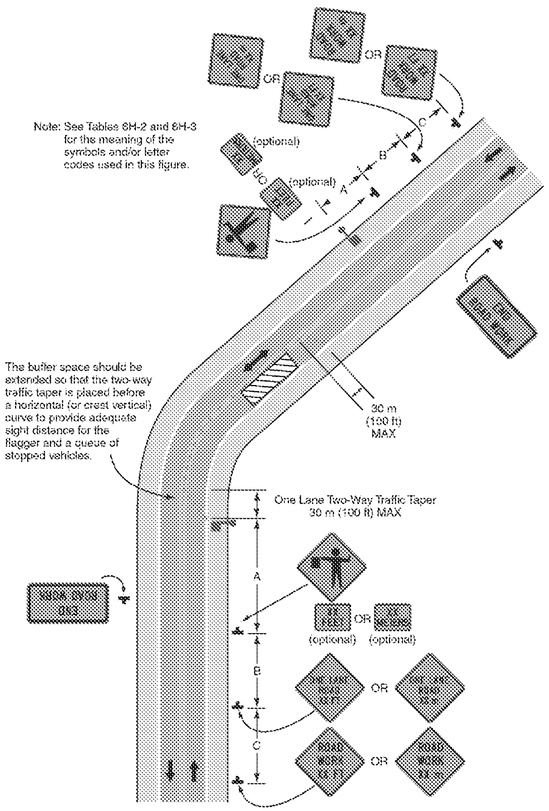
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*Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)*



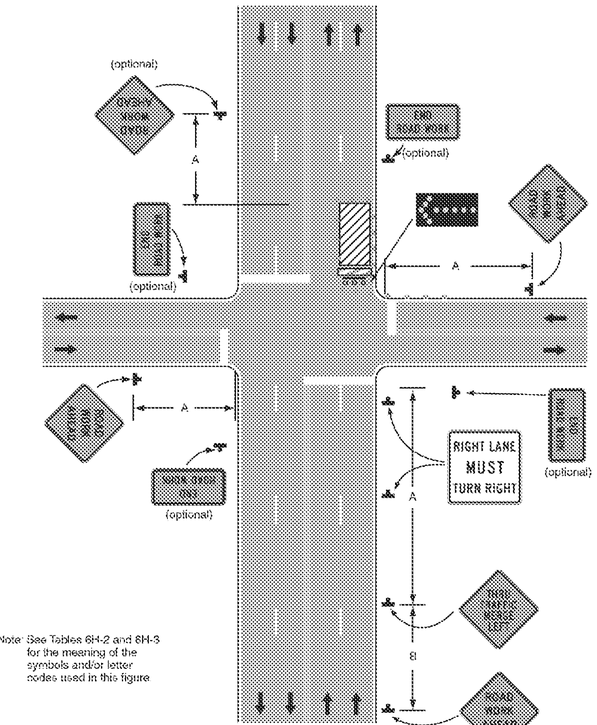

Typical Application 6

*Figure 6H-10. Lane Closure on Two-Lane Road Using Flaggers (TA-10)*




Typical Application 10

*Figure 6H-22. Right Lane Closure on Far Side of Intersection (TA-22)*




Typical Application 22

**Notes for Figure 6H-22---Typical Application 22**
**Right Lane Closure on Far Side of Intersection**

Guidance:

1. If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure 6H-29.

Option:

2. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a right lane having significant right turning movements, then the right lane may be restricted to right turns only, as shown. This procedure increases the through capacity by eliminating right turns from the open through lane.
3. For intersection approaches reduced to a single lane, left-turning movements may be prohibited to maintain capacity for through vehicular traffic.
4. Flashing warning lights and/or flags may be used to call attention to the advance warning signs.
5. Where the turning radius is large, it may be possible to create a right-turn island using channelizing devices or pavement markings.

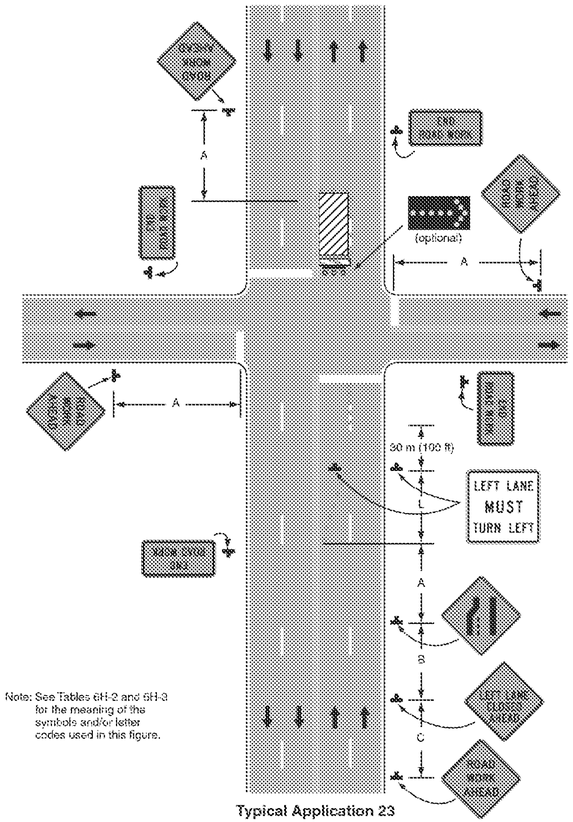
**TRAFFIC CONTROL DETAILS SHEET 3**

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PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JJB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JJB
CHECKED BY: BDB
SHEET 160 OF 163

MODEL: 03

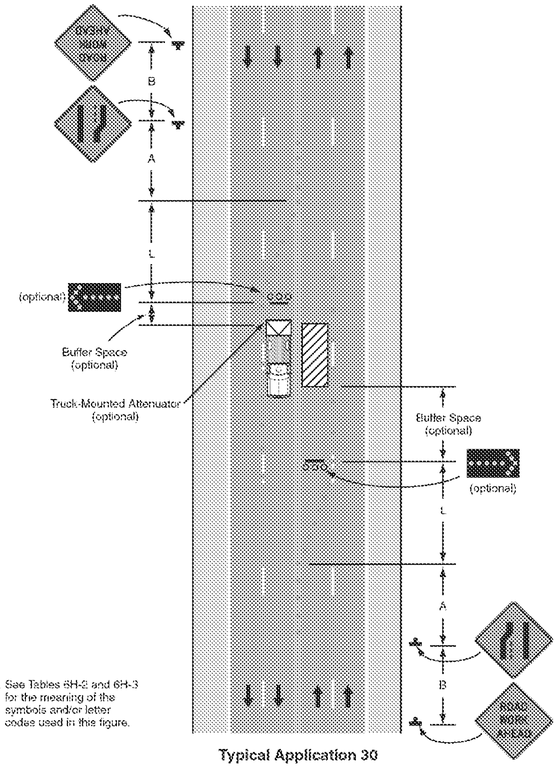
*Figure 6H-23. Left Lane Closure on Far Side of Intersection (TA-23)*




Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 23

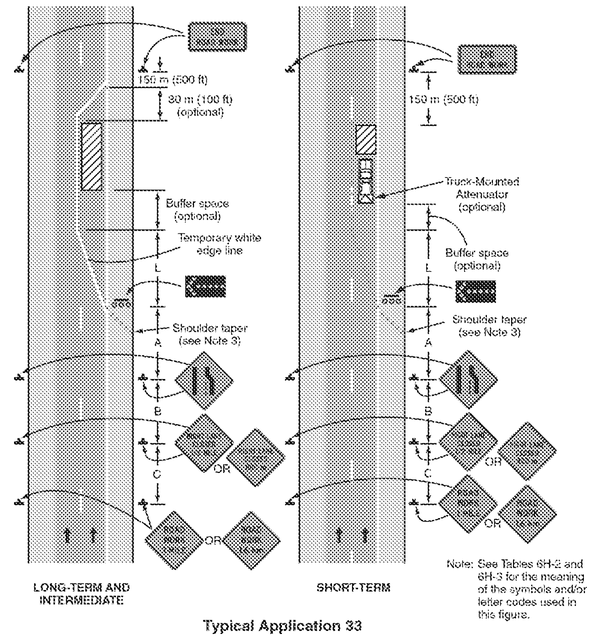
*Figure 6H-30. Interior Lane Closure on Multi-lane Street (TA-30)*




Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 30

*Figure 6H-33. Stationary Lane Closure on Divided Highway (TA-33)*




Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 33

**Notes for Figure 6H-23—Typical Application 23**
**Left Lane Closure on Far Side of Intersection**

Guidance:

1. If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure 6H-29.

Option:

2. Flashing warning lights and/or flags may be used to call attention to the advance warning signs.
3. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a left lane having significant left-turning movements, then the left lane may be reopened as a turn bay for left turns only, as shown.

Support:

4. By first closing off the left lane and then reopening it as a turn bay, an island is created with channelizing devices that allows the LEFT LANE MUST TURN LEFT sign to be repeated on the left adjacent to the lane that it controls.

**Notes for Figure 6H-30—Typical Application 30**
**Interior Lane Closure on Multi-lane Street**

Guidance:

1. This information applies to low-speed, low-volume urban streets. Where speed or volume is higher, additional signing such as LEFT LANE CLOSED XX m (FT) should be used between the signs shown.

Option:

2. The closure of the adjacent interior lane in the opposing direction may not be necessary, depending upon the activity being performed and the work space needed for the operation.
3. Shadow vehicles with a truck-mounted attenuator may be used.

Guidance:

4. When a highway-rail grade crossing exists within or upstream of the transition area and it is anticipated that backups resulting from the lane closure might extend through the highway-rail grade crossing, the TTC zone should be extended so that the transition area precedes the highway-rail grade crossing.
5. Early coordination with the railroad company should occur before work starts.

**Notes for Figure 6H-33—Typical Application 33**
**Stationary Lane Closure on Divided Highway**

**Standard:**

1. **This information also shall be used when work is being performed in the lane adjacent to the median on a divided highway. In this case, the LEFT LANE CLOSED signs and the corresponding Lane Ends signs shall be substituted.**
2. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Guidance:

3. When paved shoulders having a width of 2.4 m (8 ft) or more are closed, channelizing devices should be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.

Option:

4. A truck-mounted attenuator may be used on the work vehicle and/or shadow vehicle.

Support:

5. Where conditions permit, restricting all vehicles, equipment, workers, and their activities to one side of the roadway might be advantageous.

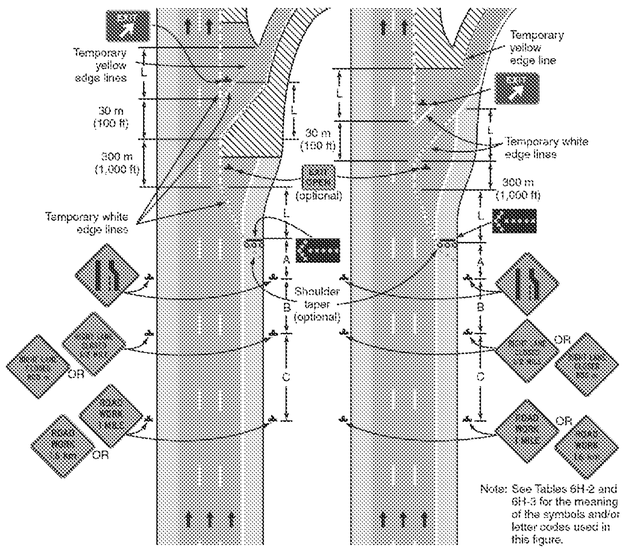
**TRAFFIC CONTROL DETAILS SHEET 4**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JJB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JJB
CHECKED BY: BDB
SHEET 161 OF 163

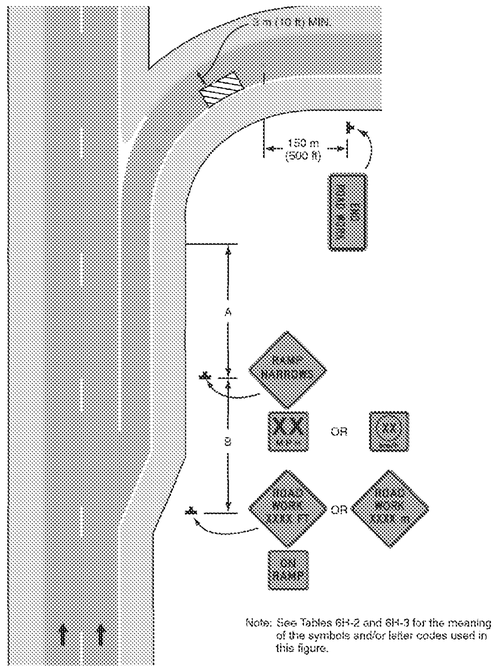
MODEL: 04

*Figure 6H-42. Work in Vicinity of Exit Ramp (TA-42)*



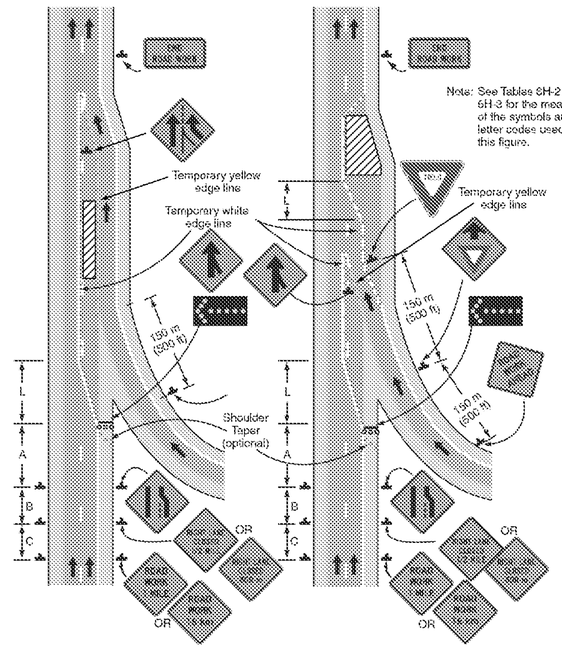

**Typical Application 42**

*Figure 6H-43. Partial Exit Ramp Closure (TA-43)*




**Typical Application 43**

*Figure 6H-44. Work in Vicinity of Entrance Ramp (TA-44)*




**Typical Application 44**

### Notes for Figure 6H-42—Typical Application 42
### Work in Vicinity of Exit Ramp

Guidance:

1. The guide signs should indicate that the ramp is open, and where the temporary ramp is located. However, if the ramp is closed, guide signs should indicate that the ramp is closed.
2. When the exit ramp is closed, a black on orange EXIT CLOSED panel should be placed diagonally across the interchange/intersection guide signs.
3. The design criteria contained in the AASHTO "Policy on the Geometric Design of Highways and Streets" should be used for determining the alignment (see Section 1A.10).

**Standard:**

**4. A temporary EXIT sign shall be located in the temporary gore. For better visibility, it shall be mounted a minimum of 2.1 m (7 ft) from the pavement surface to the bottom of the sign.**

Option:

5. An alternative procedure that may be used is to channelize exiting vehicular traffic onto the right shoulder and close the lane as necessary.

### Notes for Figure 6H-43—Typical Application 43
### Partial Exit Ramp Closure

Guidance:

1. Truck off-tracking should be considered when determining whether the minimum lane width of 3 m (10 ft) is adequate (see Section 6G.07).

### Notes for Figure 6H-44—Typical Application 44
### Work in Vicinity of Entrance Ramp

Guidance:

1. An acceleration lane of sufficient length should be provided whenever possible as shown on the left diagram.

**Standard:**

**2. For the information shown on the diagram on the right side of the typical application, where inadequate acceleration distance exists for the temporary entrance, the YIELD sign shall be replaced with STOP signs (one on each side of the approach).**

Guidance:

3. When used, the YIELD or STOP sign should be located so that ramp vehicular traffic has adequate sight distance of oncoming mainline vehicular traffic to select a reasonably safe gap in the mainline vehicular traffic flow. Also, a longer acceleration lane should be provided beyond the sign to reduce the gap size needed. If insufficient gaps are available, consideration should be given to closing the ramp.
4. Where STOP signs are used, a temporary stop line should be placed across the ramp at the desired stop location.
5. The mainline merging taper with the arrow panel at its starting point should be located sufficiently in advance so that the arrow panel is not confusing to drivers on the entrance ramp, and so that the mainline merging vehicular traffic from the lane closure has the opportunity to stabilize before encountering the vehicular traffic merging from the ramp.
6. If the ramp curves sharply to the right, warning signs with Advisory Speed Limits located in advance of the entrance terminal should be placed in pairs (one on each side of the ramp).

Option:

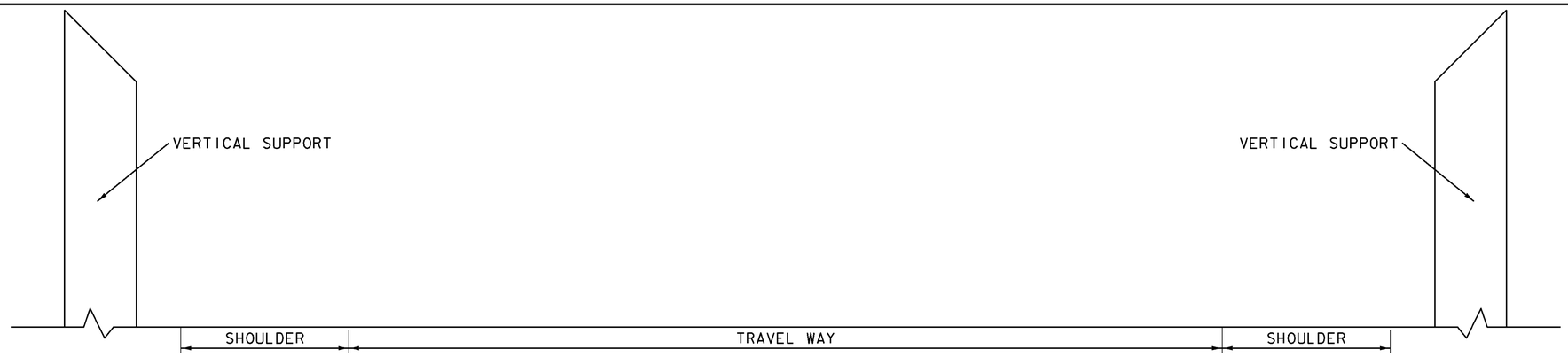
7. A Type B high-intensity warning flasher with a red lens may be placed above the STOP sign.
8. Where the acceleration distance is significantly reduced, a supplemental plaque may be placed below the YIELD AHEAD sign reading NO MERGE AREA.

**TRAFFIC CONTROL DETAILS SHEET 5**

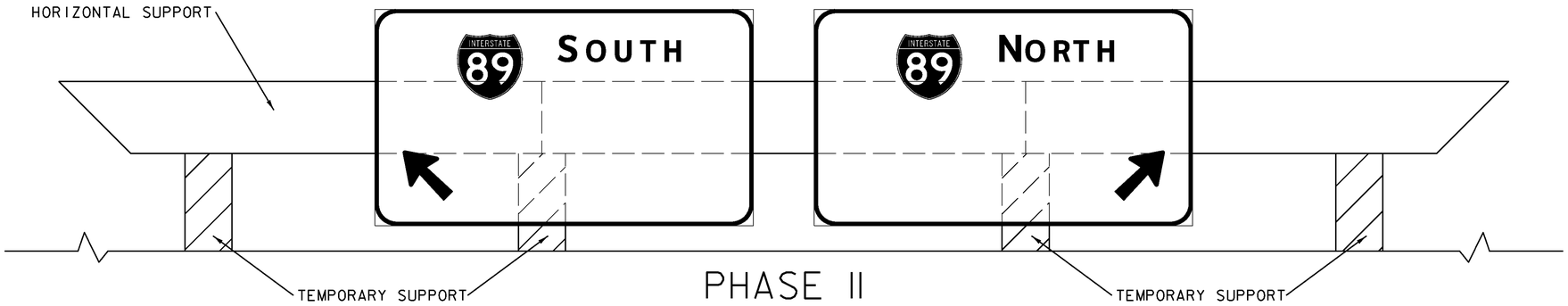
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PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JJB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JJB
CHECKED BY: BDB
SHEET 162 OF 163

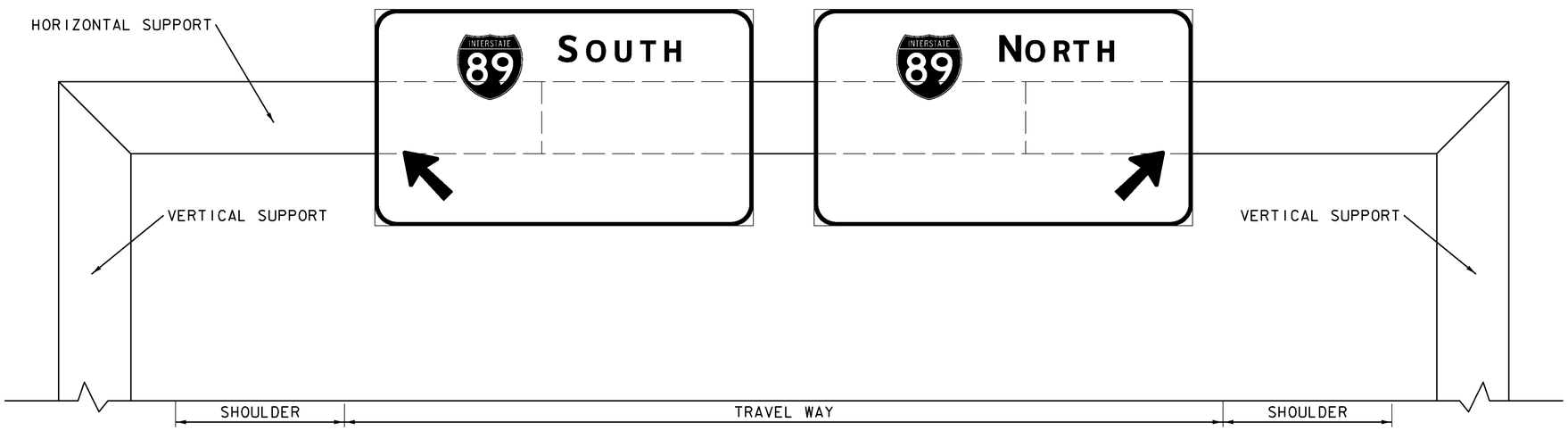
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PHASE I




PHASE II




PHASE III

OVERHEAD STRUCTURE TRAFFIC CONTROL NOTES

DETAIL IS TO BE USED FOR THE REPLACEMENT OF THE OVERHEAD SIGN STRUCTURES AT INTERCHANGES 6, 7, AND 8.

THIS SHEET IS INTENDED AS A SUGGESTED CONSTRUCTION PHASING AND DOES NOT CONSTITUTE A SITE SPECIFIC TRAFFIC CONTROL PLAN.

CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN FOR REMOVAL AND INSTALLATION OF OVERHEAD STRUCTURES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALLOW TWO WEEKS FOR APPROVAL OF THE TRAFFIC CONTROL PLAN. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL. TRAFFIC CONTROL FOR INSTALLATION OF THE OVERHEAD SIGN STRUCTURES AT INTERCHANGE 6, INTERCHANGE 7, AND INTERCHANGE 8 SHALL BE IN ACCORDANCE WITH THE DETAILS PROVIDED AND APPROPRIATE SECTIONS OF THE MUTCD. THESE OPERATIONS WILL REQUIRE SHORT TERM TRAFFIC STOPPAGES, WHICH SHALL NOT EXCEED 15 MINUTES IN DURATION. STOPPAGES SHALL BE PERFORMED ON A SUNDAY PRIOR TO 10:00 AM. THE CONTRACTOR SHALL INFORM THE PUBLIC VIA PORTABLE CHANGABLE MESSAGE SIGNS OF STOPPAGES AT LEAST ONE WEEK IN ADVANCE OF THE FIRST STOPPAGE.

PHASE I

OVERHEAD STRUCTURE FOUNDATIONS AND VERTICAL SUPPORTS WILL BE CONSTRUCTED USING SINGLE LANE CLOSURES. SEE TRAFFIC CONTROL DETAILS SHEET 4.

PHASE II

HORIZONTAL SUPPORT WILL BE ASSEMBLED WITHIN THE SINGLE LANE CLOSURE. ONCE ASSEMBLED, ALL SIGNING WILL BE ATTACHED.

TEMPORARY SUPPORTS WILL BE USED TO ATTAIN MINIMUM HEIGHT NEEDED TO ATTACH SIGNAGE WITHOUT DAMAGE.

PHASE III

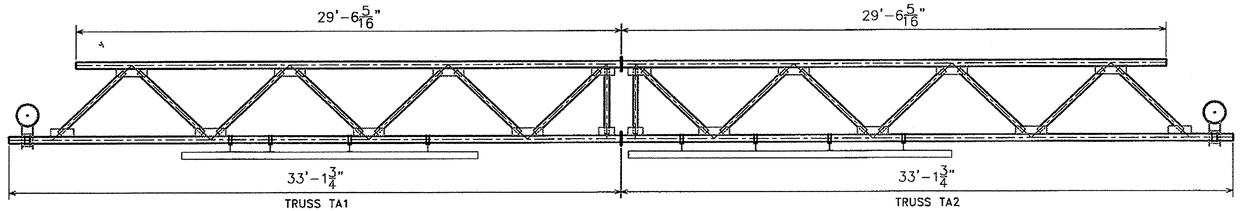
THE HORIZONTAL SUPPORT WITH SIGNAGE WILL BE ATTACHED TO THE VERTICAL SUPPORTS. TRAFFIC WILL BE STOPPED DURING THIS PROCESS BY THE USE OF A ROLLING ROAD BLOCK.

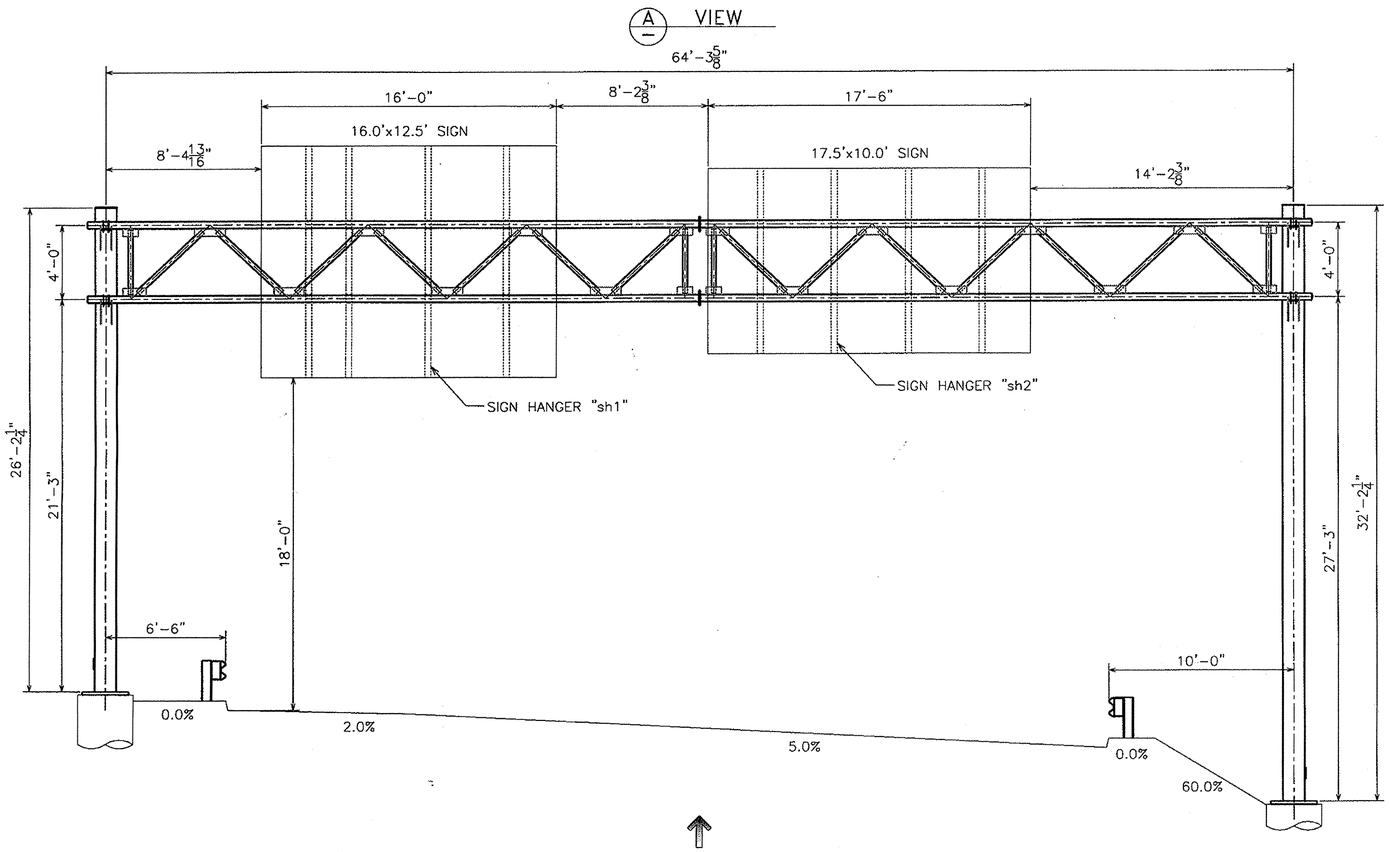
**TRAFFIC CONTROL DETAILS SHEET 6**

PROJECT NAME: ROYALTON-MIDDLESEX
PROJECT NUMBER: IMG SIGN(19)

FILE NAME: z09a020tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JJB
CLD REF. NO.: 09-0106
PLOT DATE: 8/12/2009
DRAWN BY: JJB
CHECKED BY: BDB
SHEET 163 OF 163

MODEL: 06



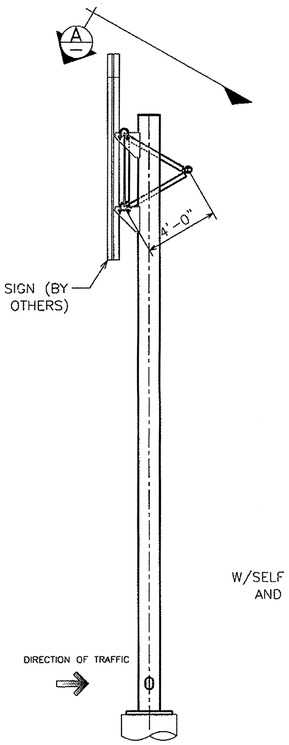




ELEVATION

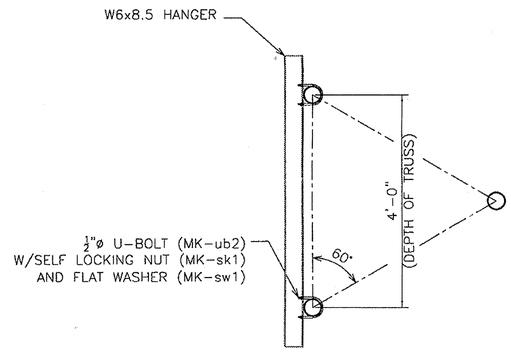
INTERCHANGE 6

LOOKING AT FACE OF SIGN
(OUT OF PLANE CHORDS NOT SHOWN FOR CLARITY)

So. Barre

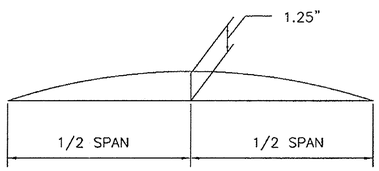



SIDE ELEVATION




SIGN MOUNTING DETAIL

VERTICAL HANGER BEAMS & U-BOLTS INCLUDED




CAMBER DIAGRAM

*NOTE:*

CAMBER WILL BE ACHIEVED BY SHORTENING LOWER CHORD PIPES BY AN AMOUNT SUCH THAT POSITIVE UPWARD DEFLECTION IS PRODUCED WHEN TRUSSES ARE BROUGHT TOGETHER AT SPLICES.

NOTE:
POST HEIGHT WAS SCALED OF THE CONTRACT DRAWINGS, CONTRACTOR TO VERIFY POST HEIGHT PRIOR TO FABRICATION.

| REVISIONS | | |
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| No. | Remarks | Date |
| 0 | Initial submittal | |

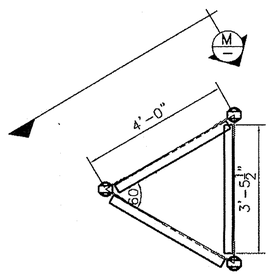
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.138 OH INTERCHANGE #6
PROJECT NUMBER IMG SIGN(19)
ROYALTON - MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

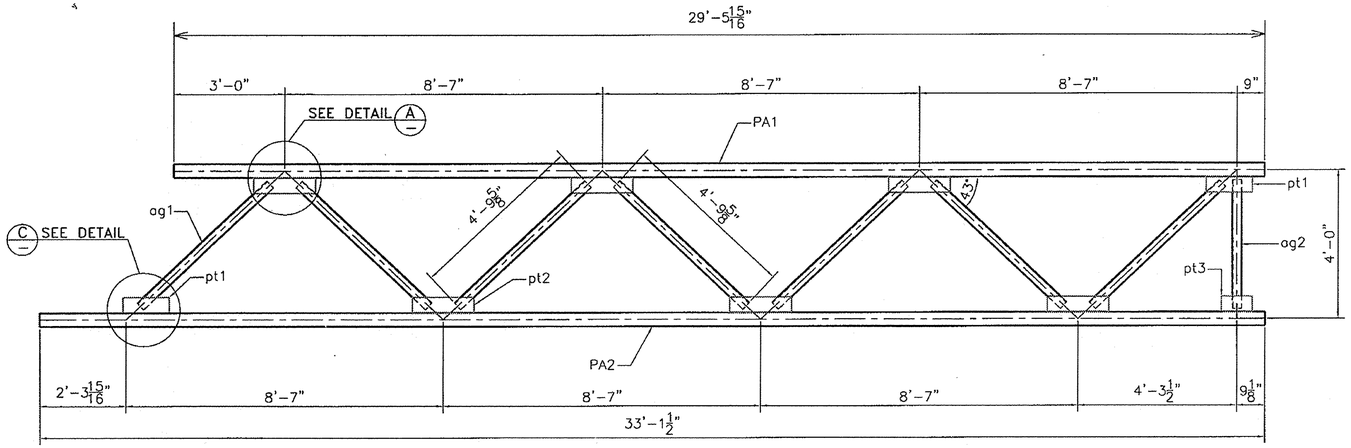
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

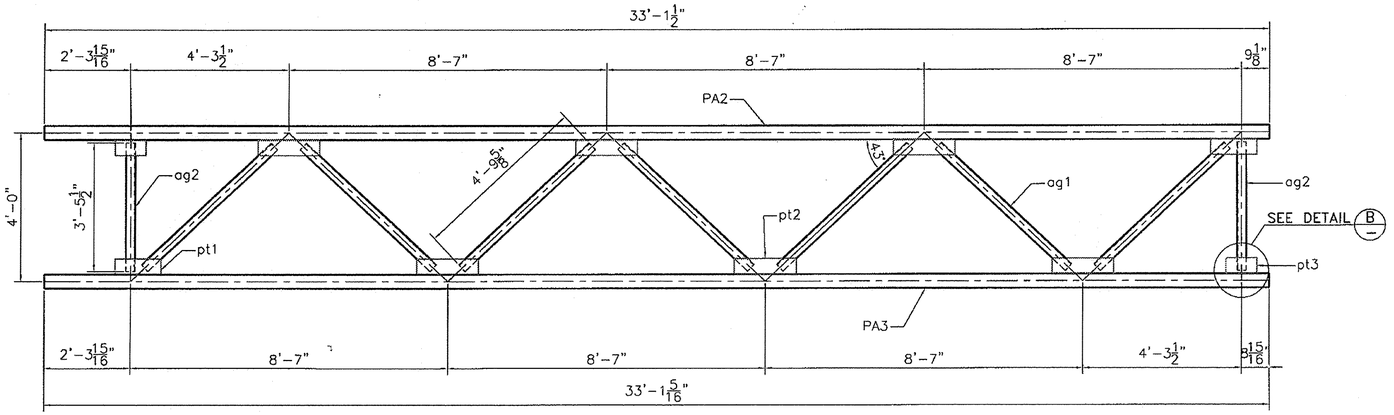
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| SCALE | N.T.S. |
| HSC REFERENCE NO. | 1729a |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 1 of 6 |




SIDE VIEW

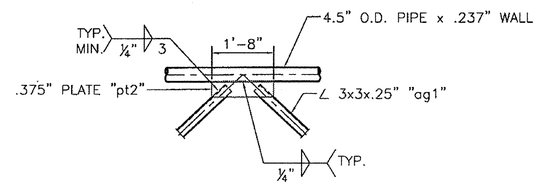



M VIEW

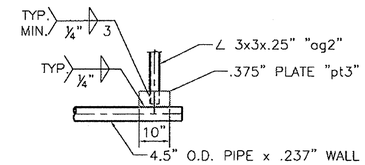



FRONT VIEW

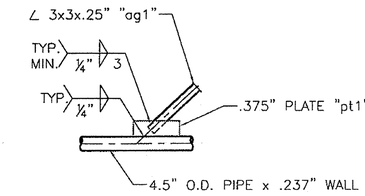
TRUSS TA1



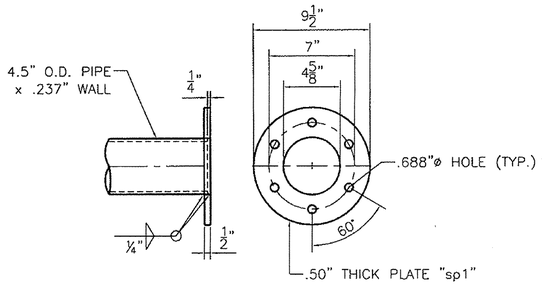

DETAIL "A"




DETAIL "B"




DETAIL "C"




SPLICE DETAIL

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| No. | Remarks | Date |
| 0 | Initial submittal | |
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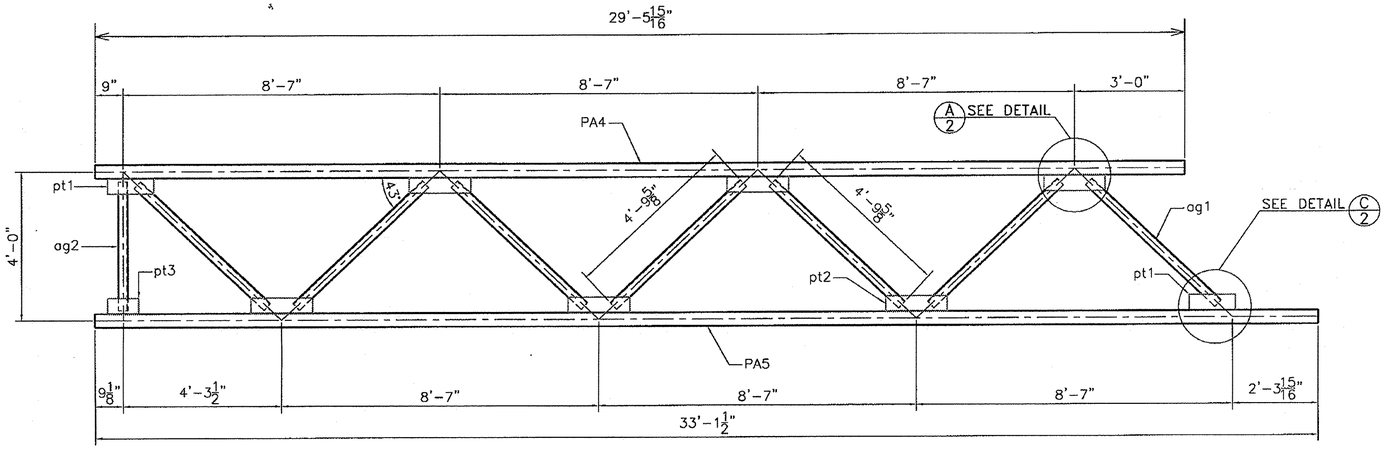
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.138 OH INTERCHANGE #6
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

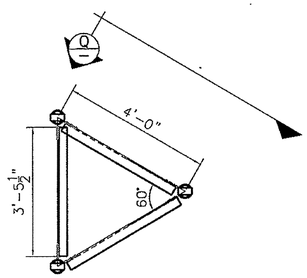
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

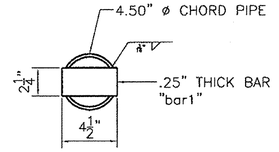
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| SHEET NO. | 2 of 6 |



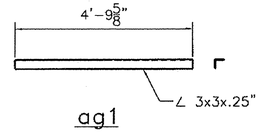

VIEW Q/—



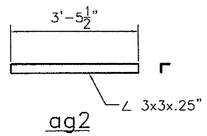

SIDE VIEW



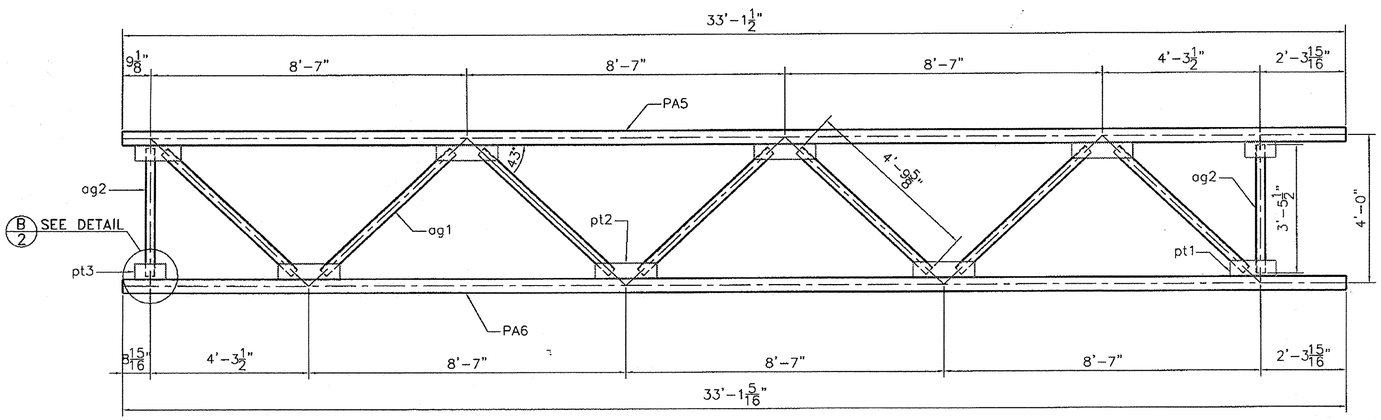

PIPE PLUG DETAIL
"EACH END OF TRUSS CHORD"




ag1




ag2




FRONT VIEW

TRUSS TA2

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| No. | Remarks | Date |
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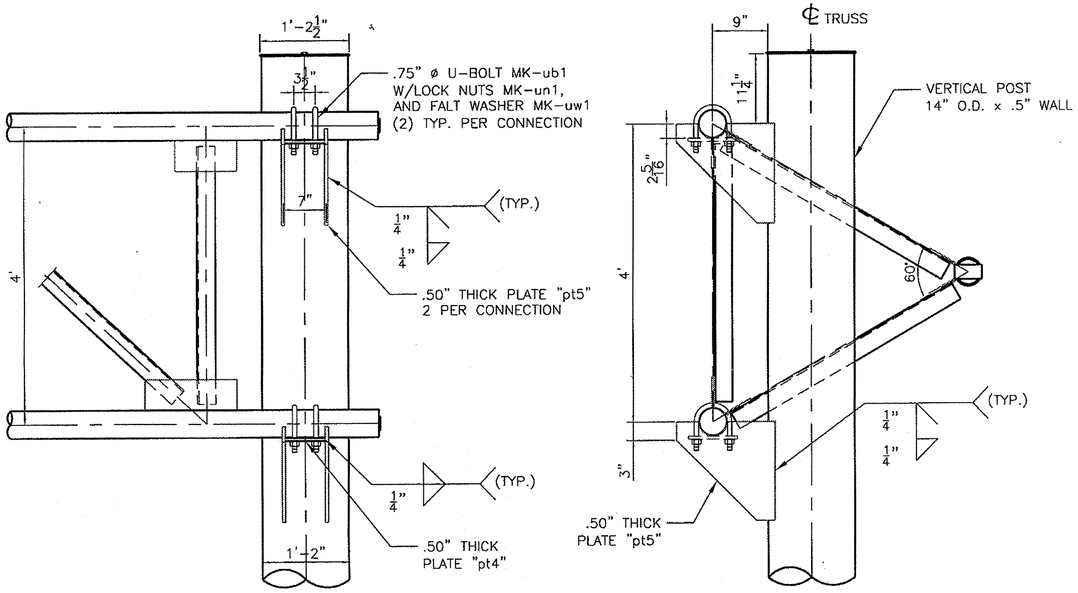
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.138 OH INTERCHANGE #6
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

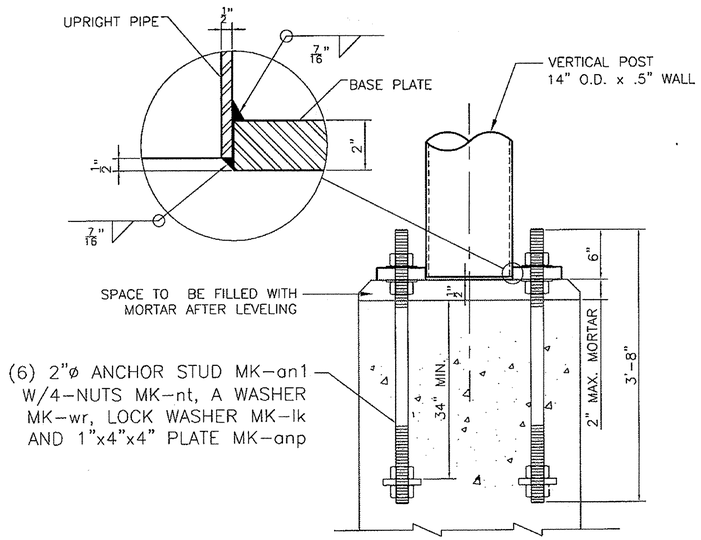
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

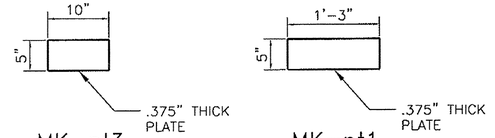
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| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 3 of 6 |




## TRUSS CONNECTION DETAIL



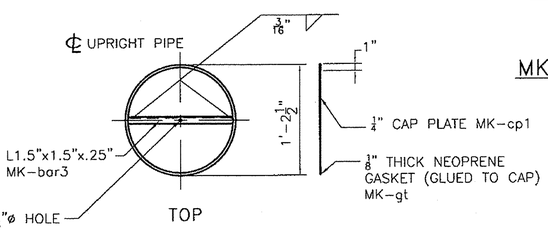

## ANCHORAGE ASSEMBLY

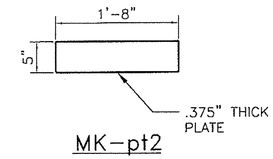



MK-pt3

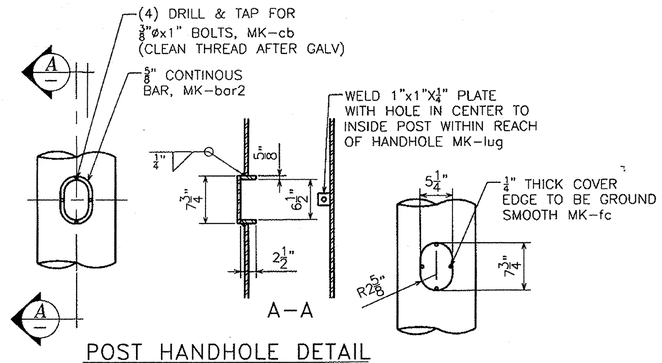



MK-pt1



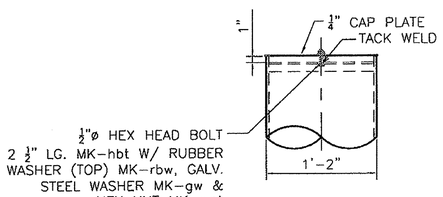




MK-pt2



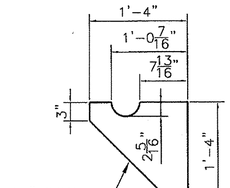

## POST HANDHOLE DETAIL

PLACE ON SIDE OF POLE
AWAY FROM APPROCHING TRAFFIC

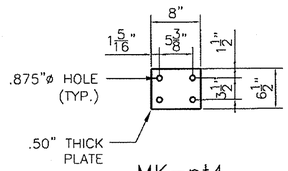



## UPRIGHT CAP DETAIL

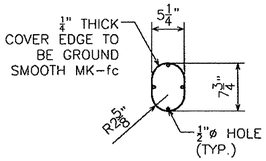
ASSEMBLE CAP TO POST PRIOR TO
SHIPPING.



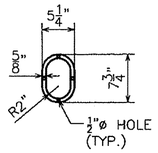

MK-pt5



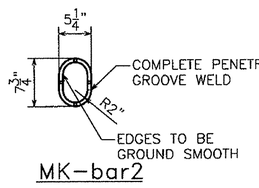

MK-pt4



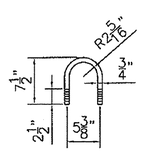

MK-fc



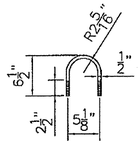

GASKET
MK-ga




MK-bar2




MK-ub1




MK-ub2

**NOTE:**

1. STRUCTURE DESIGNED IN ACCORDANCE WITH LATEST EDITION AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS.
2. ALL HOLES FOR HIGH STRENGTH FASTENERS SHALL BE DRILLED OR SUB-PUNCHED FULL SIZE. SLOTTED HOLES AND/OR VENT OR ACCESS HOLES MAY BE CUT WITH MECHANICALLY GUIDED PLASMA OR MECHANICALLY GUIDED FLAME TORCH.
3. GRIND SHARP CORNERS OF ALL PLATES TO A $\frac{1}{16}$" MIN. RADIUS PRIOR TO GALVANIZING.
4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS D1.1.
5. ALL STEEL PLATES FOR STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 50.
6. STEEL PLATES AND SHAPES FOR NON-STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 36.
7. STEEL PIPES FOR STRUCTURAL MEMBERS SHALL HAVE MINIMUM YIELD OF 42 ksi AND SHALL CONFORM TO ONE OF THE FOLLOWING GRADES: ASTM A500 GR. B, OR API 5LX42.
8. UNLESS OTHERWISE NOTED, ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE M164 TYPE 1 (A325).
9. GALVANIZED U-BOLTS FOR CONNECTION OF SIGN HANGER BEAMS TO TRUSS SHALL BE ASTM F-1554 GR. 36.
10. ALL STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111 (ASTM A123).
11. ALL HARDWARE, UNLESS OTHERWISE NOTED, SHALL BE HOT-DIPPED GALVANIZED PER AASHTO M232 (ASTM A153).
12. ANCHOR HARDWARE SHALL BE STAINLESS STEEL AND MEET REQUIREMENTS OF VAOT STANDARD SPECIFICATION 714.09.
13. CONCRETE AND REBAR SHOWN IN FOOTING DESIGN TO BE FURNISHED BY OTHERS.
14. FOUNDATION DESIGN BASED ON USE OF 3000 psi MINIMUM CONCRETE.
15. SPACE BETWEEN THE TOP OF CONCRETE AND THE BOTTOM OF STEEL BASE PLATE SHALL BE FILLED WITH TYPE IV MORTAR AFTER LEVELING.
16. BOLTS INSTALLED IN STRUCTURAL CONNECTIONS SHALL BE PROVIDED AND TENSIONED PER APPLICABLE PROVISIONS OF VAOT STANDARD SPECIFICATIONS SECTION 506.
17. SEAL WELD ALL CONNECTIONS WHEN POSSIBLE PRIOR TO GALVANIZING.

| REVISIONS | | |
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| No. | Remarks | Date |
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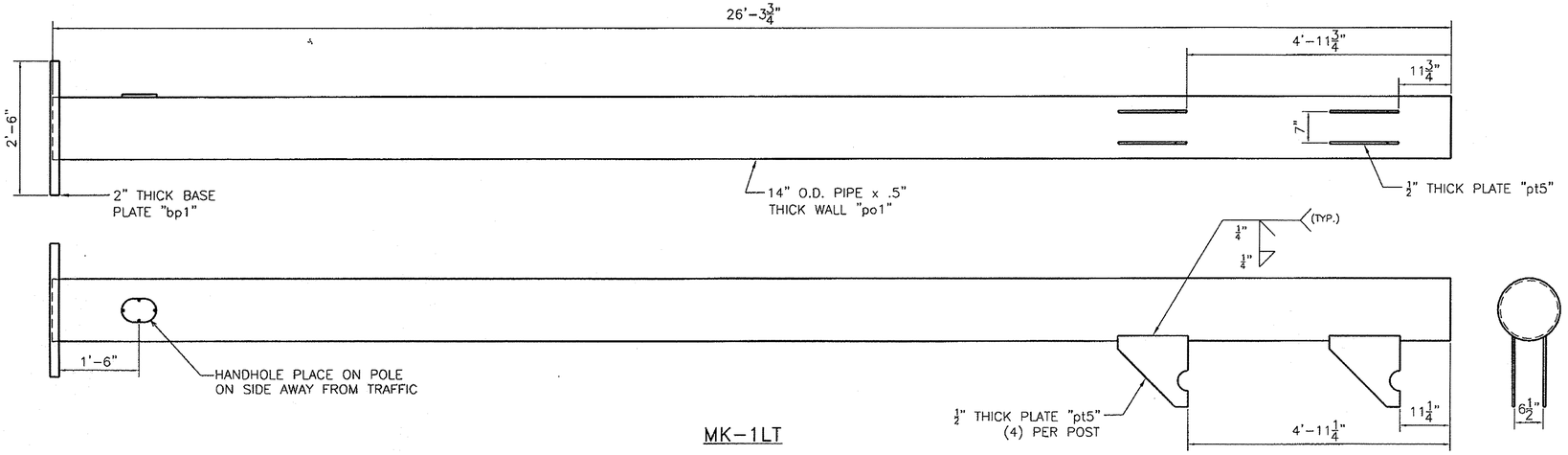
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.138 OH INTERCHANGE #6
PROJECT NUMBER IMG SIGN(19)
ROYALTON - MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

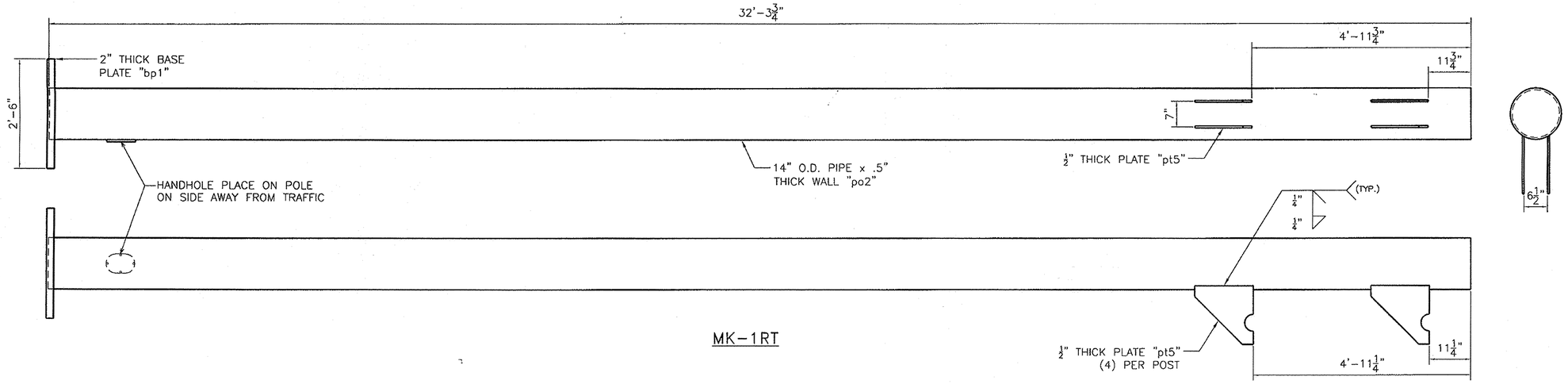
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

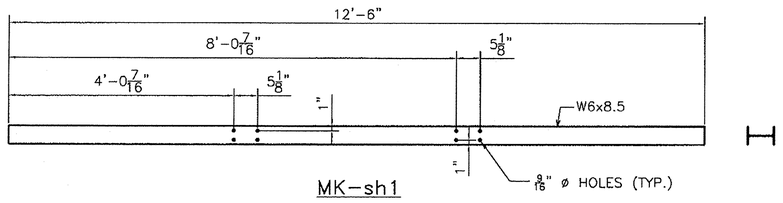
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| SHEET NO. | 4 of 6 |



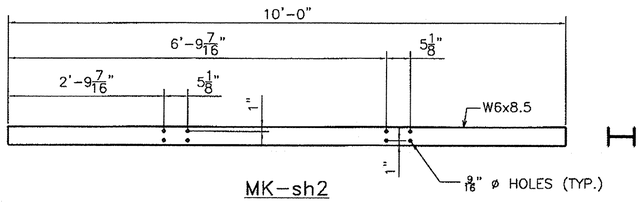

MK-1LT



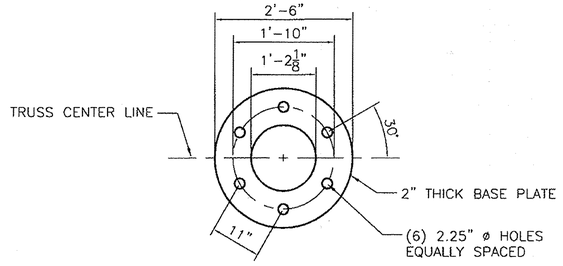

MK-1RT




MK-sh1




MK-sh2




MK-bp1

NOTE:
BASE PLATE SHALL BE STAMPED WITH THE VERTICAL POLE DIAMETER (VD.), HEIGHT (VHT.), YIELD STRENGTH (VYS.), GAUGE(VGE.), AND SAME FOR HORIZONTAL MEMBER (HD.), (HYS.), AND (HGE.).

| REVISIONS | | |
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| No. | Remarks | Date |
| 0 | Initial submittal | |
| | | |
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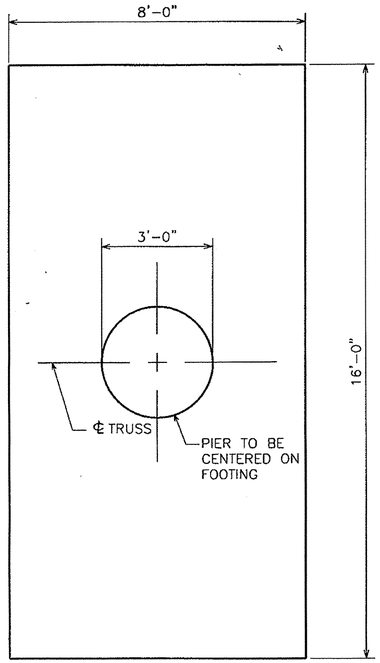
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.138 OH INTERCHANGE #6
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

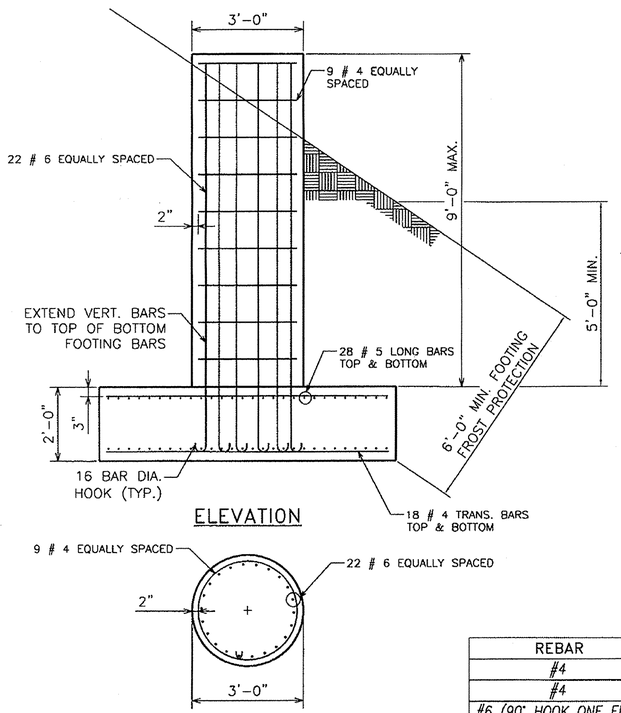
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

| | |
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| DRAWN | MHM |
| CHECKED | |
| DATE | 12/22/09 |
| SCALE | N.T.S. |
| HSC REFERENCE NO. | 1729a |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 5 of 6 |




PLAN




ELEVATION




PLAN (STEM)

| | | INTERCHANGE #6 0.138 LT | | |
|---|---|---|---|---|
| **MK** | **QTY** | **DESCRIPTION** | **LENGTH** | **SPEC.** |
| **TA1** | **1** | **TRUSS SECTION ASSEMBLY** | | |
| PA1 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 29'-5.937" | A500 gr B, API 5LX42 |
| PA2 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.500" | A500 gr B, API 5LX42 |
| PA3 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.313" | A500 gr B, API 5LX42 |
| ag1 | 21 | L 3x3x.25" | 4'-9.625" | A709 Gr 36 |
| ag2 | 4 | L 3x3x.25" | 3'-5.500" | A709 Gr 36 |
| pt1 | 6 | 0.375" THICK PLATE | 5"x1'-3" | A709 Gr 50 |
| pt2 | 18 | 0.375" THICK PLATE | 5"x1'-8" | A709 Gr 50 |
| pt3 | 4 | 0.375" THICK PLATE | 5"x10" | A709 Gr 50 |
| bar1 | 3 | 0.25" PLUG PLATE | 2.25"x4.500" | A709 Gr 36 |
| sp1 | 3 | 0.500" SPLICE PLATE | 9.500" O.D. | A709 Gr 50 |
| | | | | |
| **TA2** | **1** | **TRUSS SECTION ASSEMBLY** | | |
| PA4 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 29'-5.937" | A500 gr B, API 5LX42 |
| PA5 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.500" | A500 gr B, API 5LX42 |
| PA6 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.313" | A500 gr B, API 5LX42 |
| ag1 | 21 | L 3x3x.25" | 4'-9.625" | A709 Gr 36 |
| ag2 | 4 | L 3x3x.25" | 3'-5.500" | A709 Gr 36 |
| pt1 | 6 | 0.375" THICK PLATE | 5"x1'-3" | A709 Gr 50 |
| pt2 | 18 | 0.375" THICK PLATE | 5"x1'-8" | A709 Gr 50 |
| pt3 | 4 | 0.375" THICK PLATE | 5"x10" | A709 Gr 50 |
| bar1 | 3 | 0.25" PLUG PLATE | 2.25"x4.500" | A36 |
| sp1 | 3 | 0.500" SPLICE PLATE | 9.500" O.D. | A709 Gr 50 |
| | | | | |
| **1LT** | **1** | **LEFT POST ASSEMBLY** | | |
| po1 | 1 | 14" O.D. x .500" WALL PIPE | 26'-3.750" | A500 gr B, API 5LX42 |
| cp1 | 1 | 0.25" CAP PLATE | 1'-2.500" O.D. | A36 |
| gt | 1 | 0.125" GASKET | 14.5" O.D.-12.5" I.D. | 50 DURO. NEOPRENE |
| bar3 | 1 | L1.5x1.5x.25" | 1'-1" | A36 |
| hb1 | 1 | 0.500" DIA. HEX BOLT | 2.500" | A307 |
| wnt | 1 | 0.500" DIA. HEX NUT | | A563 |
| rbw | 1 | 0.500" DIA. RUBBER WASHER | | 50 DURO. NEOPRENE |
| gw | 1 | 0.500" DIA. WASHER | | F844 |
| pt4 | 2 | 0.500" PLATE | 8" x 6.500" | A709 Gr 50 |
| pt5 | 4 | 0.500" PLATE | 16" x 16" | A709 Gr 50 |
| bar2 | 1 | 0.625" x 2.500" BAR | 21.500" | A36 |
| ga | 1 | 0.125" GASKET | 7.750" x 5.250" | 50 DURO. NEOPRENE |
| fc | 1 | 0.25" COVER PLATE | 7.750" x 5.250" | A36 |
| cb | 4 | 0.375" DIA. HEX BOLT | 1" | A307 |
| lug | 1 | 0.25" PLATE | 1" x 1" | A36 |
| bp1 | 1 | 2" BASE PLATE | 2'-6" O.D. | A709 Gr 50 |

| | | | | |
|---|---|---|---|---|
| **1RT** | **1** | **RIGHT POST ASSEMBLY** | | |
| po2 | 1 | 14" O.D. x .500" WALL PIPE | 32'-3.750" | A500 gr B, API 5LX42 |
| cp1 | 1 | 0.25" CAP PLATE | 1'-2.500" O.D. | A36 |
| gt | 1 | 0.125" GASKET | 14.5" O.D.-12.5" I.D. | 50 DURO. NEOPRENE |
| bar3 | 1 | L1.5x1.5x.25" | 1'-1" | A36 |
| hb1 | 1 | 0.500" DIA. HEX BOLT | 2.500" | A307 |
| wnt | 1 | 0.500" DIA. HEX NUT | | A563 |
| rbw | 1 | 0.500" DIA. RUBBER WASHER | | 50 DURO. NEOPRENE |
| gw | 1 | 0.500" DIA. WASHER | | F844 |
| pt4 | 2 | 0.500" PLATE | 8" x 6.500" | A709 Gr 50 |
| pt5 | 4 | 0.500" PLATE | 16" x 16" | A709 Gr 50 |
| bar2 | 1 | 0.625" x 2.500" BAR | 21.500" | A36 |
| ga | 1 | 0.125" GASKET | 7.750" x 5.250" | 50 DURO. NEOPRENE |
| fc | 1 | 0.25" COVER PLATE | 7.750" x 5.250" | A36 |
| cb | 4 | 0.375" DIA. HEX BOLT | 1" | A307 |
| lug | 1 | 0.25" PLATE | 1" x 1" | A36 |
| bp1 | 1 | 2" BASE PLATE | 2'-6" O.D. | A709 Gr 50 |
| | | | | |
| | | **SIGN ASSEMBLY** | | |
| sh1 | 4 | W6x8.5 | 12'-6" | A36 |
| sh2 | 4 | W6x8.5 | 10'-0" | A36 |
| ub2 | 32 | 0.5" DIA. U-BOLT | 6.500" | F1554 Gr 36 |
| sk1 | 64 | 0.5" DIA. SELF LOCKING NUT | | A563 DH |
| sw1 | 64 | 0.5" DIA. FALT WASHER | | F436 |
| | | | | |
| | | **HARDWARE** | | |
| sbt1 | 24 | 0.625" DIA. SPLICE HEX BOLT | 2.250" | A325 |
| snt1 | 24 | 0.625" DIA. HEX NUT | | A563 DH |
| swr1 | 48 | 0.625" DIA. WASHER | | F436 |
| ub1 | 8 | 0.75" DIA. U-BOLT | 7.500" | F1554 Gr 36 |
| un1 | 16 | 0.75" DIA. LOCK NUT | | A563 DH |
| uw1 | 16 | 0.75" DIA. FALT WASHER | | F436 |
| | | | | |
| | | **ANCHOR BOLT** | | |
| an1 | 12 | 2" DIA. STUD | 3'-8" | S/S A276 TY304 |
| nt | 48 | 2" DIA. HEX NUT | | S/S A194B TY304 |
| wr | 12 | 2" DIA. WASHER | | S/S TY304 |
| lk | 12 | 2" DIA. LOCK WASHER | | S/S TY305 |
| anp | 12 | 1" PLATE WASHER | 4" x 4" | S/S TY305 |

REBAR LIST

| REBAR | PCS. REQRD. | LENGTH | SPEC. |
|---|---|---|---|
| #4 | 18 | 9'-0" | A615 Gr. 60 |
| #4 | 72 | 7'-6" | A615 Gr. 60 |
| #6 (90° HOOK ONE END) | 44 | 11'-6" | A615 Gr. 60 |
| #5 | 112 | 15'-6" | A615 Gr. 60 |

| REVISIONS | | |
|---|---|---|
| No. | Remarks | Date |
| 0 | Initial submittal | |
| | | |
| | | |

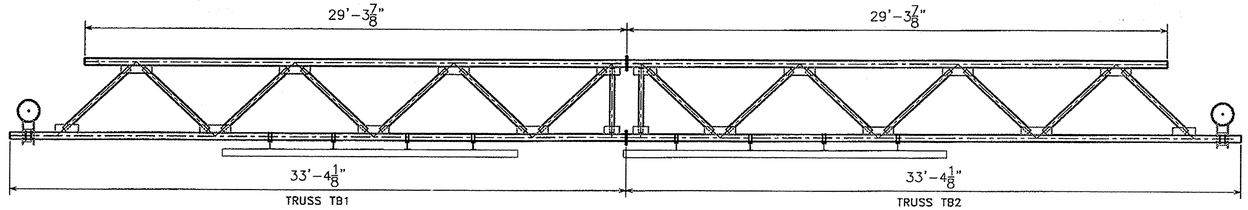
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.138 OH INTERCHANGE #6
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

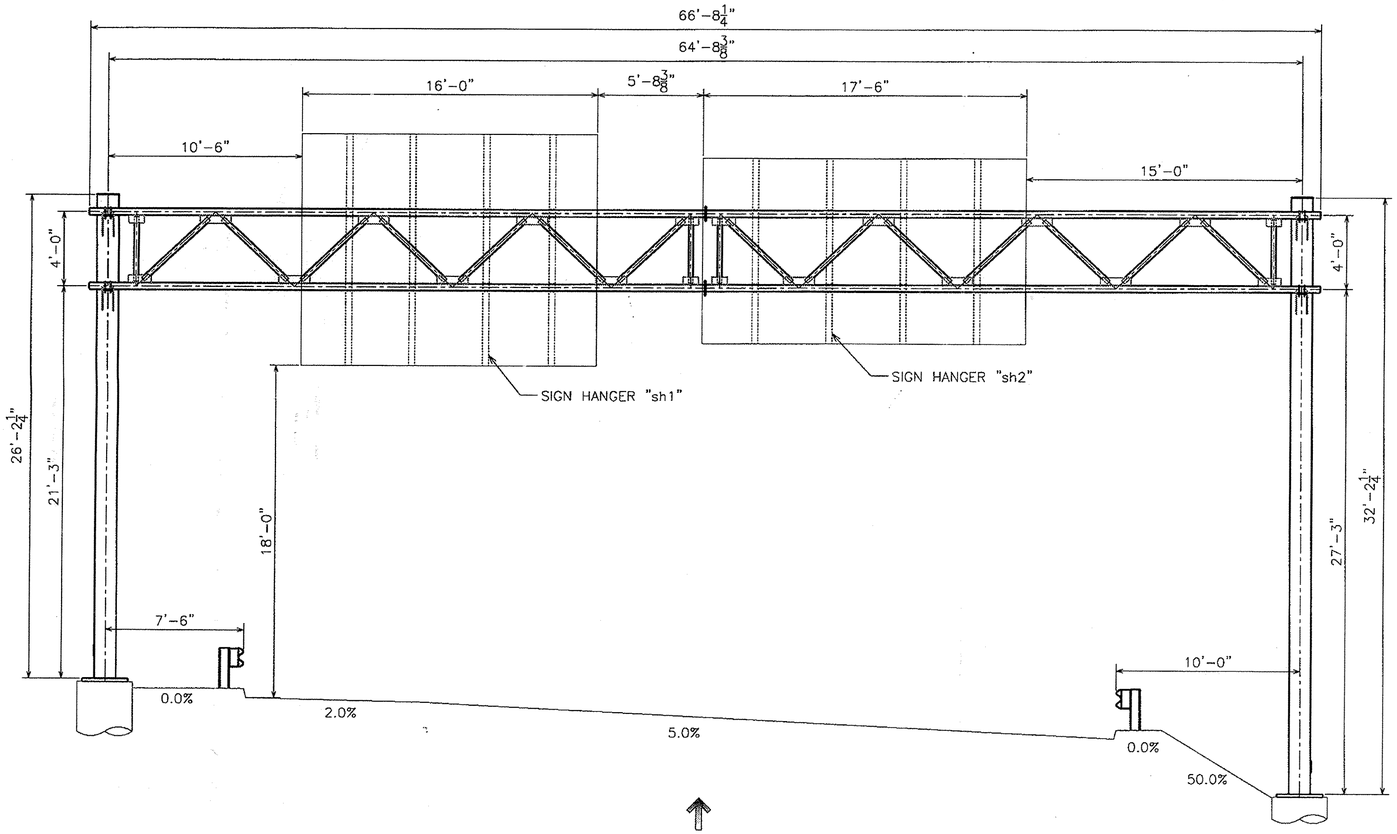
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| CHECKED | |
| DATE | 12/22/09 |
| SCALE | NTS |
| HSC REFERENCE NO. | 1729a |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 6 of 6 |

GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC



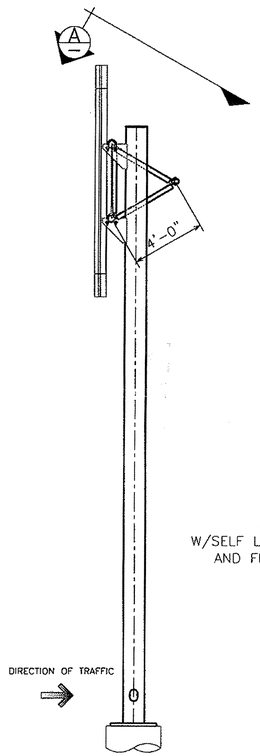

A VIEW




## ELEVATION
INTERCHANGE 7

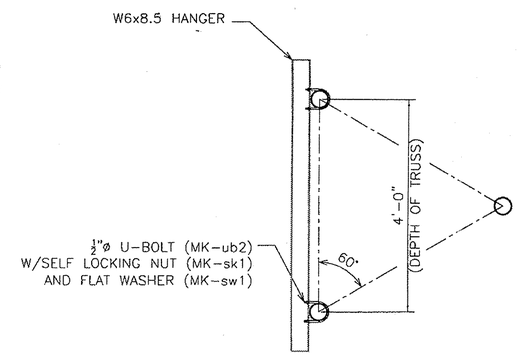
LOOKING AT FACE OF SIGN
(OUT OF PLANE CHORDS NOT SHOWN FOR CLARITY)

Berlin Exit 7

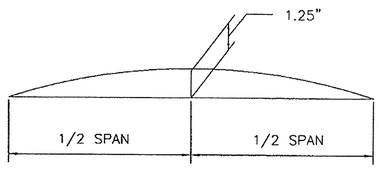



## SIDE ELEVATION

NOTE:
POST HEIGHT WAS SCALED OF THE CONTRACT DRAWINGS, CONTRACTOR TO VERIFY POST HEIGHT PRIOR TO FABRICATION.




## SIGN MOUNTING DETAIL
VERTICAL HANGER BEAMS & U-BOLTS INCLUDED




## CAMBER DIAGRAM

*NOTE:*

CAMBER WILL BE ACHIEVED BY SHORTENING LOWER CHORD PIPES BY AN AMOUNT SUCH THAT POSITIVE UPWARD DEFLECTION IS PRODUCED WHEN TRUSSES ARE BROUGHT TOGETHER AT SPLICES.

| REVISIONS | | |
|---|---|---|
| No. | Remarks | Date |
| 0 | Initial submittal | |
| | | |
| | | |

CCS Constructors LLC
136 Munson Avenue
Morrisville, VT 05661
Ph: 802-888-7701 F: 802-888-4746

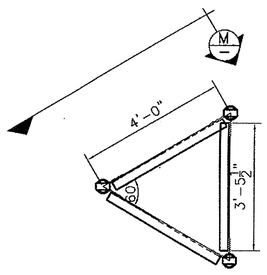
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.115 OH INTERCHANGE #7
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

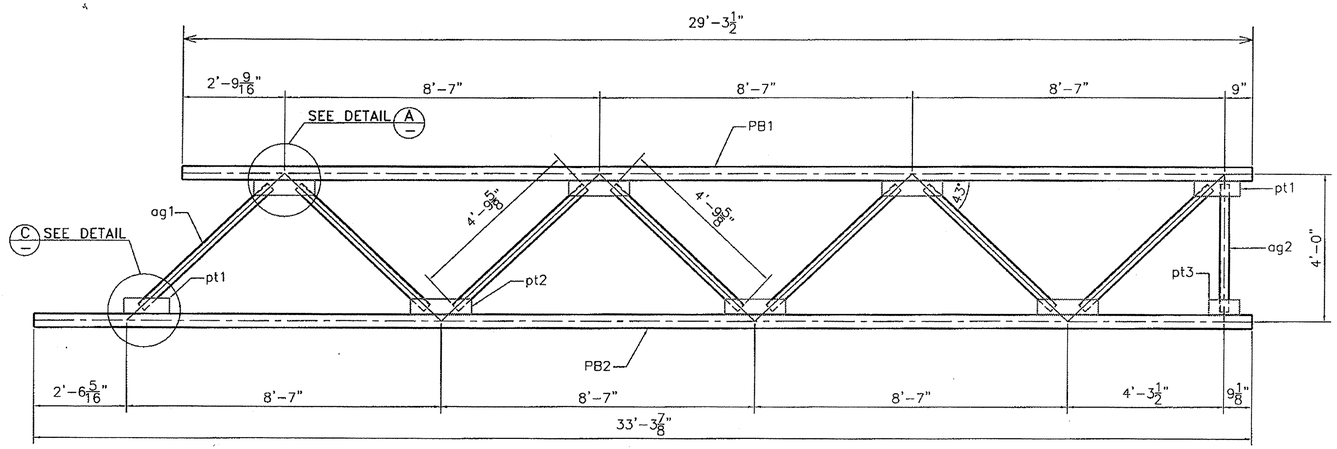
GENERAL CONTRACTOR

SUB CONTRACTOR: CCS Constructors LLC

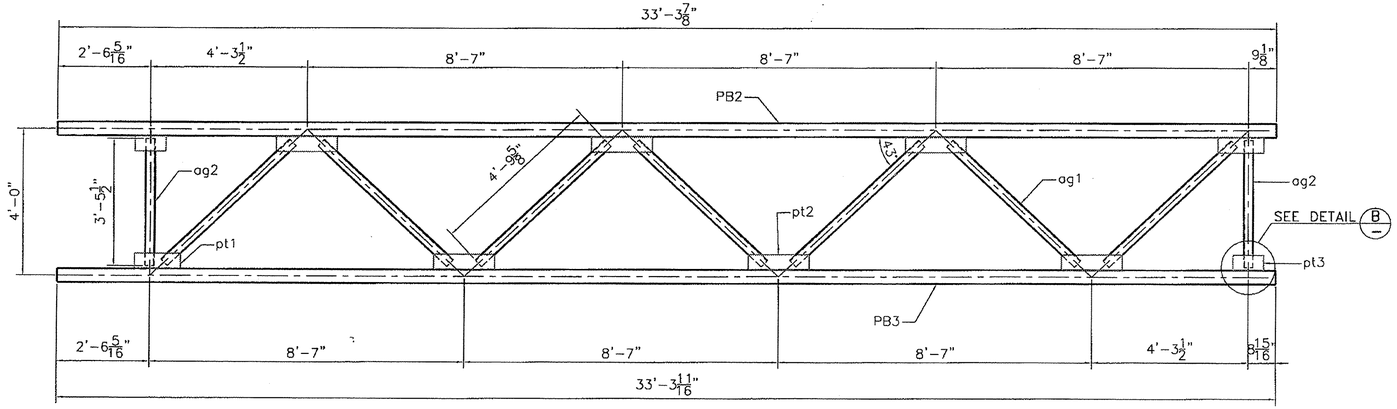
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| SCALE | N.T.S. |
| HSC REFERENCE NO. | 1729b |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 1 of 6 |




SIDE VIEW

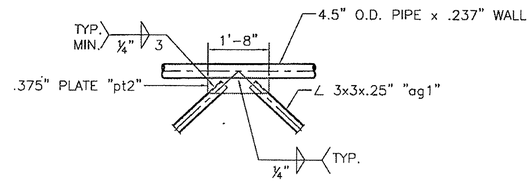



M VIEW

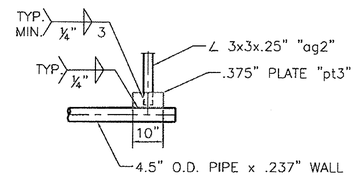



FRONT VIEW

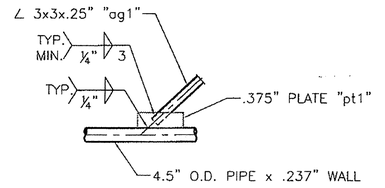
TRUSS TB1



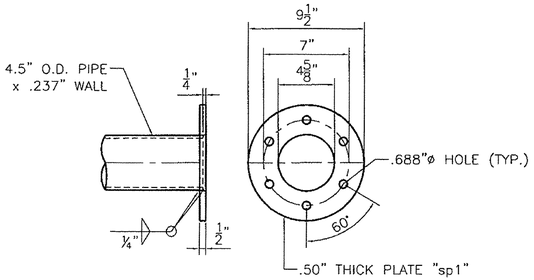

DETAIL "A"




DETAIL "B"




DETAIL "C"




SPLICE DETAIL

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| No. | Remarks | Date |
| 0 | Initial submittal | |
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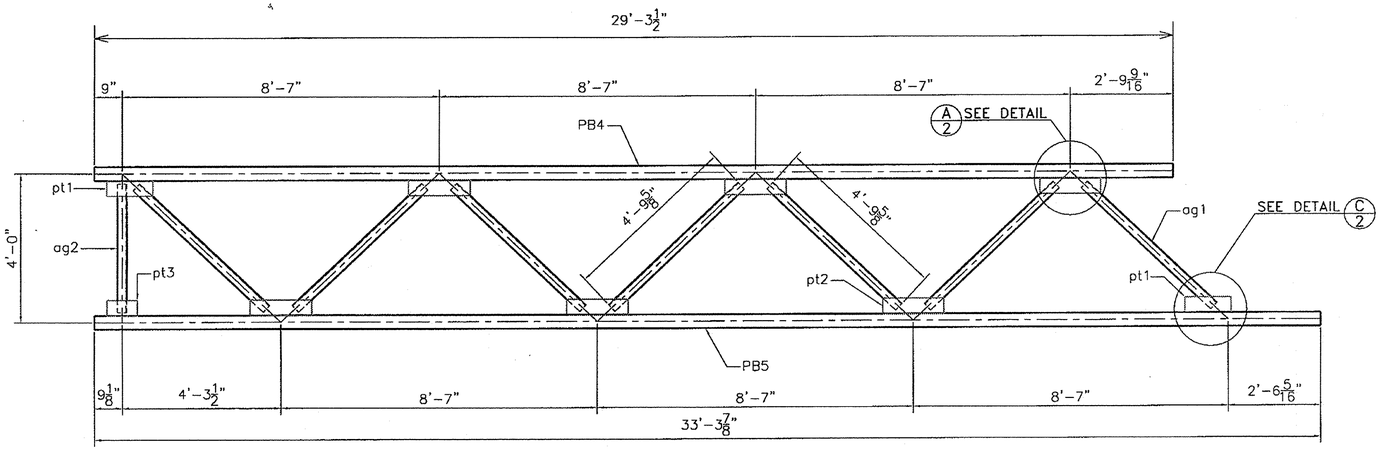
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.115 OH INTERCHANGE #7
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

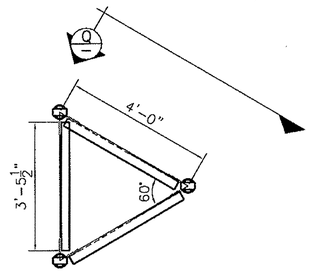
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

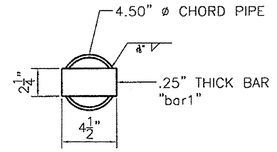
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| DRAWN | MHM |
| CHECKED | |
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| HSC REFERENCE NO. | 1729b |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 2 of 6 |



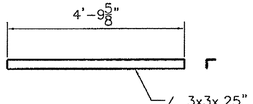

VIEW Q/—



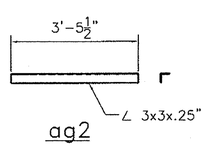

SIDE VIEW



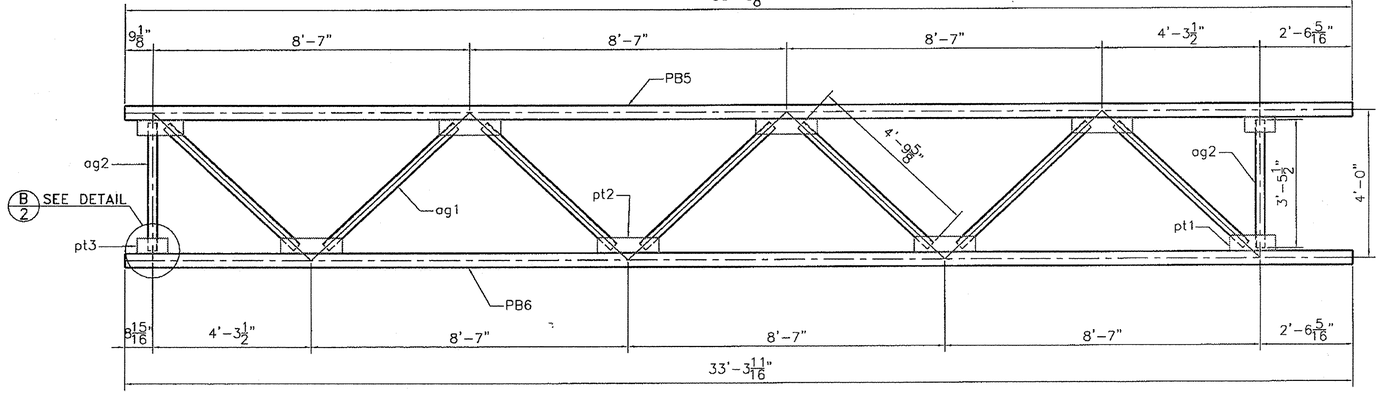

PIPE PLUG DETAIL
"EACH END OF TRUSS CHORD"




ag1




ag2




FRONT VIEW

# TRUSS TB2

| REVISIONS | | |
|---|---|---|
| No. | Remarks | Date |
| 0 | Initial submittal | |
| | | |
| | | |

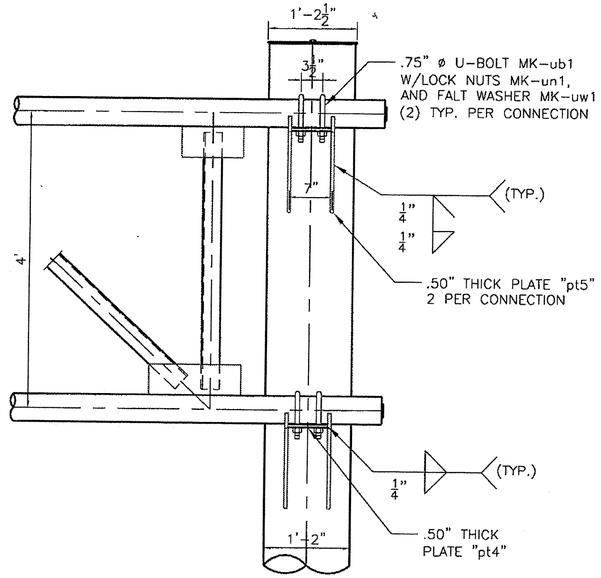
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

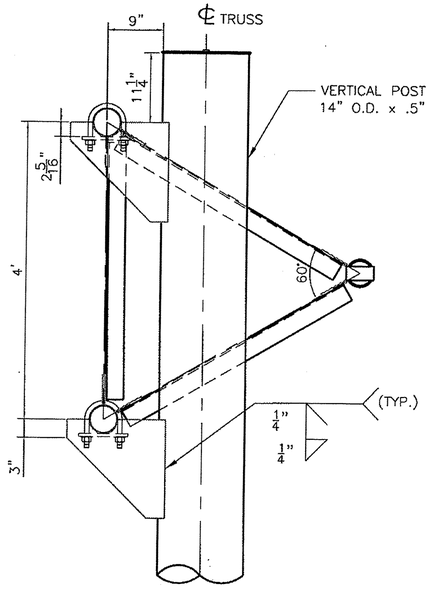
TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.115 OH INTERCHANGE #7
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

GENERAL CONTRACTOR

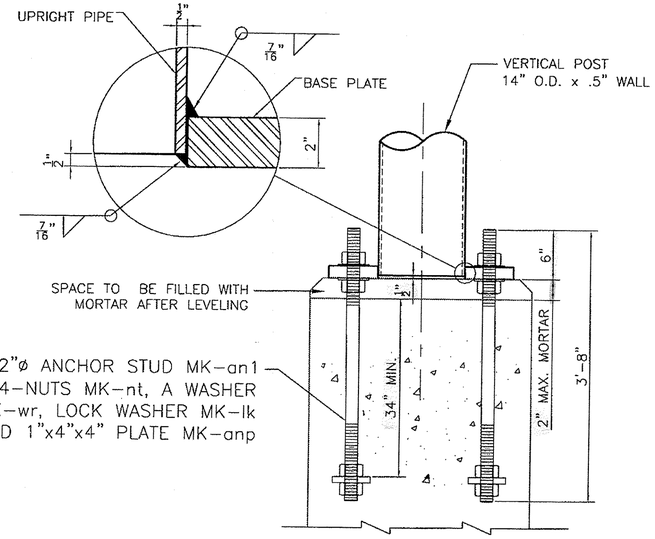
SUB CONTRACTOR CCS Constructors LLC

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| DRAWN | MHM |
| CHECKED | |
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| HSC REFERENCE NO. | 1729b |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 3 of 6 |

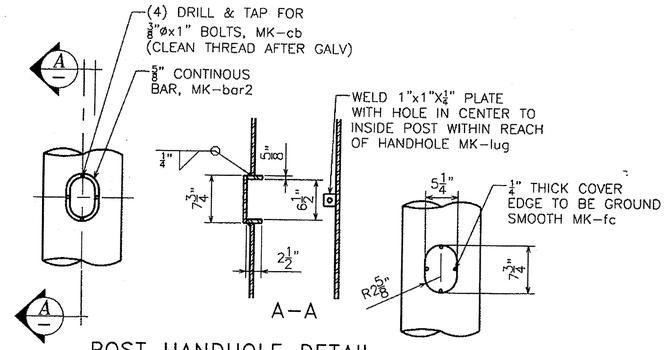



## TRUSS CONNECTION DETAIL

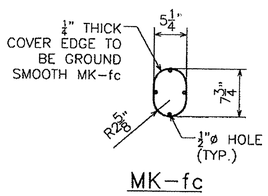



## ANCHORAGE ASSEMBLY

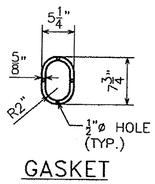



## POST HANDHOLE DETAIL

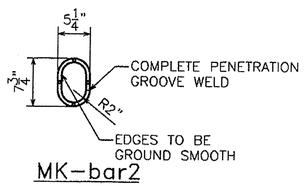
PLACE ON SIDE OF POLE
AWAY FROM APPROCHING TRAFFIC



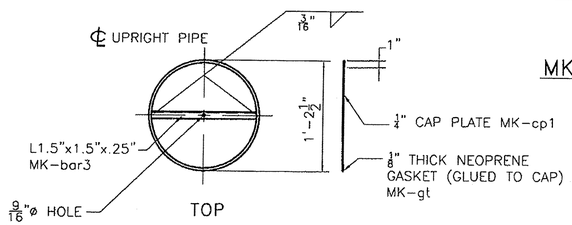

MK-fc



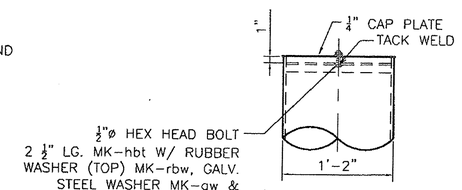

GASKET
MK-ga




MK-bar2

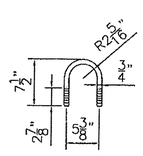



TOP

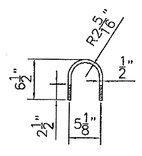



## UPRIGHT CAP DETAIL

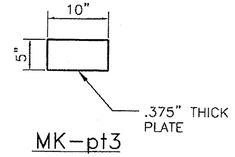
ASSEMBLE CAP TO POST PRIOR TO SHIPPING.



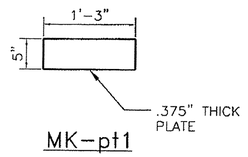

MK-ub1



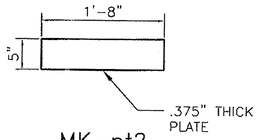

MK-ub2



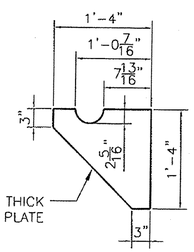

MK-pt3



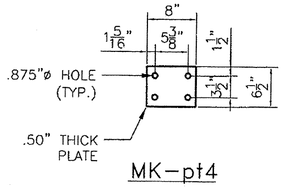

MK-pt1




MK-pt2




MK-pt5




MK-pt4

NOTE:

1. STRUCTURE DESIGNED IN ACCORDANCE WITH LATEST EDITION AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS. DATED 2006 OR ITS LATEST REVISION
2. ALL HOLES FOR HIGH STRENGTH FASTENERS SHALL BE DRILLED OR SUB-PUNCHED FULL SIZE. SLOTTED HOLES AND/OR VENT OR ACCESS HOLES MAY BE CUT WITH MECHANICALLY GUIDED PLASMA OR MECHANICALLY GUIDED FLAME TORCH.
3. GRIND SHARP CORNERS OF ALL PLATES TO A 1/16" MIN. RADIUS PRIOR TO GALVANIZING.
4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS D1.1.
5. ALL STEEL PLATES FOR STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 50.
6. STEEL PLATES AND SHAPES FOR NON-STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 36.
7. STEEL PIPES FOR STRUCTURAL MEMBERS SHALL HAVE MINIMUM YIELD OF 42 ksi AND SHALL CONFORM TO ONE OF THE FOLLOWING GRADES: ASTM A500 GR. B, OR API 5LX42.
8. UNLESS OTHERWISE NOTED, ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE M164 TYPE 1 (A325).
9. GALVANIZED U-BOLTS FOR CONNECTION OF SIGN HANGER BEAMS TO TRUSS SHALL BE ASTM F-1554 GR. 36.
10. ALL STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111 (ASTM A123).
11. ALL HARDWARE, UNLESS OTHERWISE NOTED, SHALL BE HOT-DIPPED GALVANIZED PER AASHTO M232 (ASTM A153).
12. ANCHOR HARDWARE SHALL BE STAINLESS STEEL AND MEET REQUIREMENTS OF VAOT STANDARD SPECIFICATION 714.09.
13. CONCRETE AND REBAR SHOWN IN FOOTING DESIGN TO BE FURNISHED BY OTHERS.
14. FOUNDATION DESIGN BASED ON USE OF 3000 psi MINIMUM CONCRETE.
15. SPACE BETWEEN THE TOP OF CONCRETE AND THE BOTTOM OF STEEL BASE PLATE SHALL BE FILLED WITH TYPE IV MORTAR AFTER LEVELING.
16. BOLTS INSTALLED IN STRUCTURAL CONNECTIONS SHALL BE PROVIDED AND TENSIONED PER APPLICABLE PROVISIONS OF VAOT STANDARD SPECIFICATIONS SECTION 506.
17. SEAL WELD ALL CONNECTIONS WHEN POSSIBLE PRIOR TO GALVANIZING.

| REVISIONS | | |
|---|---|---|
| No. | Remarks | Date |
| 0 | Initial submittal | |

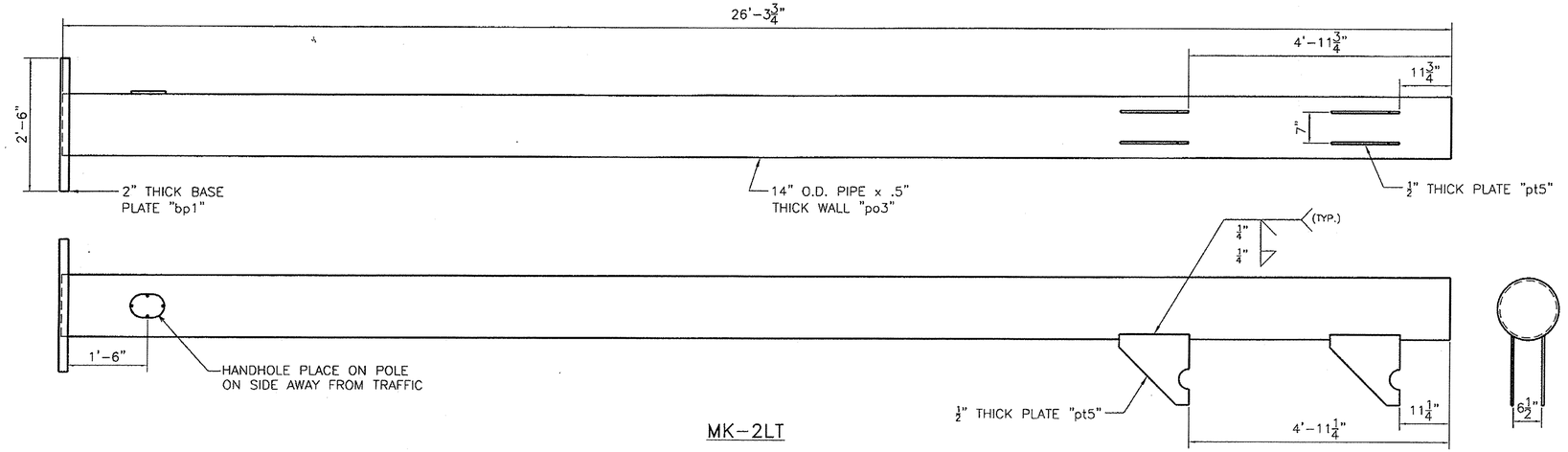
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.115 OH INTERCHANGE #7
PROJECT NUMBER IMG SIGN(19)
ROYALTON - MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

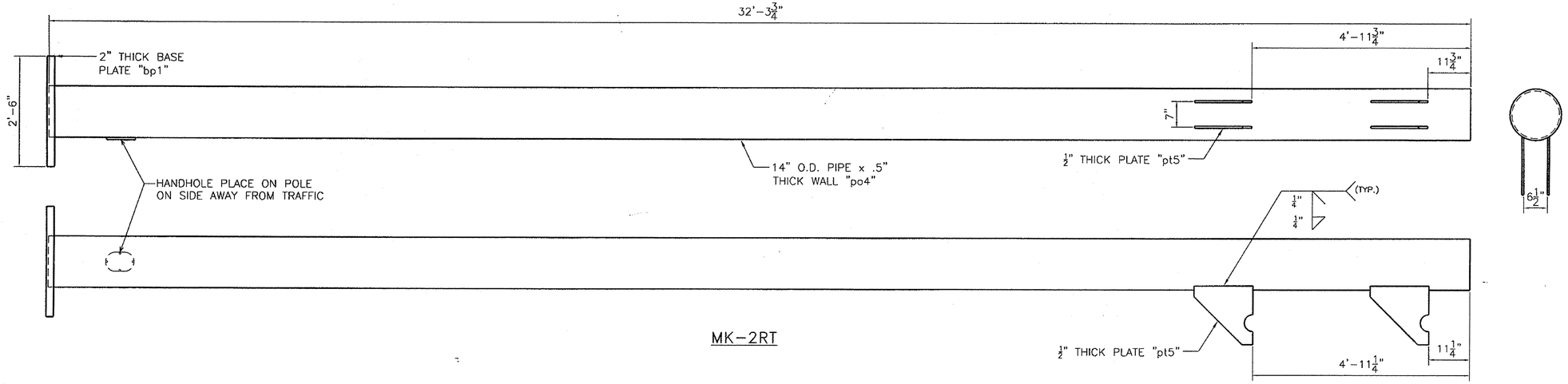
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

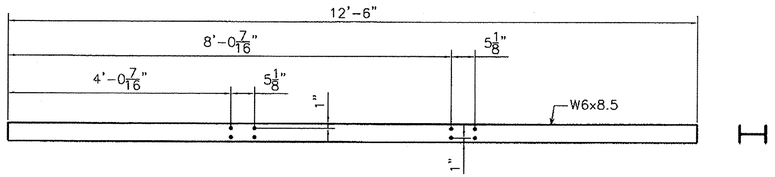
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| CHECKED | |
| DATE | 12/22/09 |
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| HSC REFERENCE NO. | 1729b |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 4 of 6 |



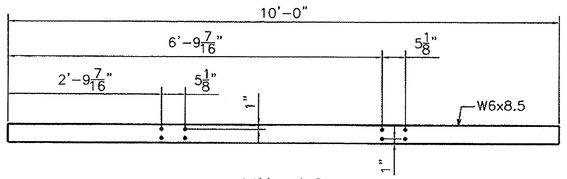

MK-2LT



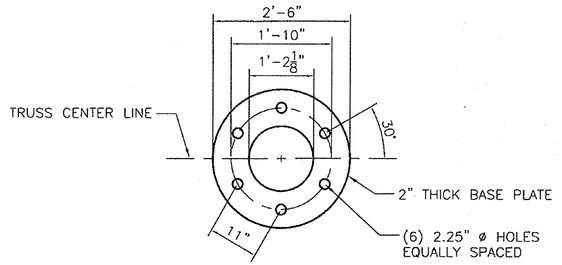

MK-2RT




MK-sh1




MK-sh2




MK-bp1

NOTE:
BASE PLATE SHALL BE STAMPED WITH THE VERTICAL POLE DIAMETER (VD.), HEIGHT (VHT.), YIELD STRENGTH (VYS.), GAUGE(VGE.), AND SAME FOR HORIZONTAL MEMBER (HD.), (HYS.), AND (HGE.).

| REVISIONS | | |
|---|---|---|
| No. | Remarks | Date |
| 0 | initial submittal | |
| | | |
| | | |

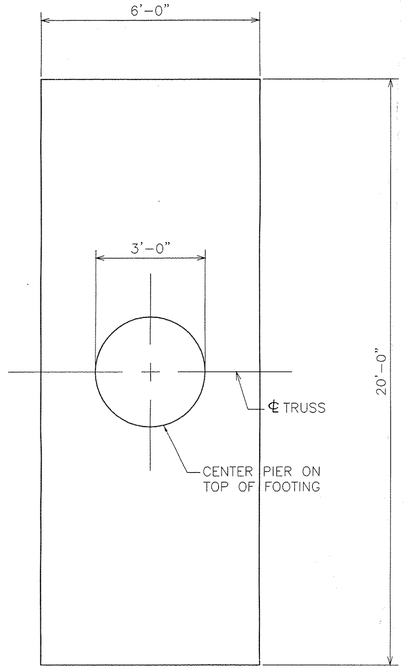
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.115 OH INTERCHANGE #7
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

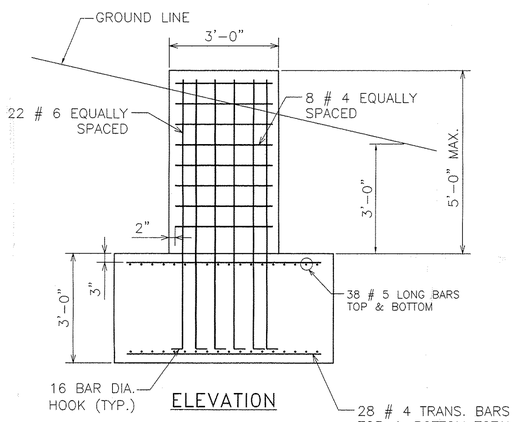
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

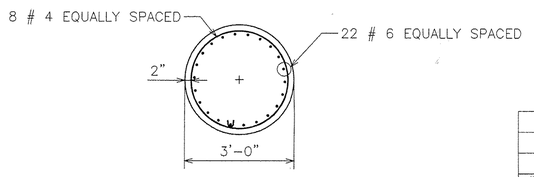
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| CHECKED | |
| DATE | 12/22/09 |
| SCALE | N.T.S. |
| HSC REFERENCE NO. | 1729b |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 5 of 6 |




PLAN




ELEVATION




PLAN (STEM)

| | | INTERCHANGE #7 0.115 LT | | |
|---|---|---|---|---|
| **MK** | **QTY** | **DESCRIPTION** | **LENGTH** | **SPEC.** |
| **TB1** | **1** | **TRUSS SECTION ASSEMBLY** | | |
| PB1 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 29'-3.500" | A500 gr B, API 5LX42 |
| PB2 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-3.875" | A500 gr B, API 5LX42 |
| PB3 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-3.688" | A500 gr B, API 5LX42 |
| ag1 | 21 | L 3x3x.25" | 4'-9.625" | A709 Gr 36 |
| ag2 | 4 | L 3x3x.25" | 3'-5.500" | A709 Gr 36 |
| pt1 | 6 | 0.375" THICK PLATE | 5"x1'-3" | A709 Gr 50 |
| pt2 | 18 | 0.375" THICK PLATE | 5"x1'-8" | A709 Gr 50 |
| pt3 | 4 | 0.375" THICK PLATE | 5"x10" | A709 Gr 50 |
| bar1 | 3 | 0.25" PLUG PLATE | 2.25"x4.500" | A709 Gr 36 |
| sp1 | 3 | 0.500" SPLICE PLATE | 9.500" O.D. | A709 Gr 50 |
| | | | | |
| **TB2** | **1** | **TRUSS SECTION ASSEMBLY** | | |
| PB4 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 29'-3.500" | A500 gr B, API 5LX42 |
| PB5 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-3.875" | A500 gr B, API 5LX42 |
| PB6 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-3.688" | A500 gr B, API 5LX42 |
| ag1 | 21 | L 3x3x.25" | 4'-9.625" | A709 Gr 36 |
| ag2 | 4 | L 3x3x.25" | 3'-5.500" | A709 Gr 36 |
| pt1 | 6 | 0.375" THICK PLATE | 5"x1'-3" | A709 Gr 50 |
| pt2 | 18 | 0.375" THICK PLATE | 5"x1'-8" | A709 Gr 50 |
| pt3 | 4 | 0.375" THICK PLATE | 5"x10" | A709 Gr 50 |
| bar1 | 3 | 0.25" PLUG PLATE | 2.25"x4.500" | A36 |
| sp1 | 3 | 0.500" SPLICE PLATE | 9.500" O.D. | A709 Gr 50 |
| | | | | |
| **2LT** | **1** | **LEFT POST ASSEMBLY** | | |
| po3 | 1 | 14" O.D. x .500" WALL PIPE | 26'-3.750" | A500 gr B, API 5LX42 |
| cp1 | 1 | 0.25" CAP PLATE | 1'-2.500" O.D. | A36 |
| gt | 1 | 0.125" GASKET | 14.5" O.D.-12.5" I.D. | 50 DURO. NEOPRENE |
| bar3 | 1 | L1.5x1.5x.25" | 1'-1" | A36 |
| hb1 | 1 | 0.500" DIA. HEX BOLT | 2.500" | A307 |
| wnt | 1 | 0.500" DIA. HEX NUT | | A563 |
| rbw | 1 | 0.500" DIA. RUBBER WASHER | | 50 DURO. NEOPRENE |
| gw | 1 | 0.500" DIA. WASHER | | F844 |
| pt4 | 2 | 0.500" PLATE | 8" x 6.500" | A709 Gr 50 |
| pt5 | 4 | 0.500" PLATE | 16" x 16" | A709 Gr 50 |
| bar2 | 1 | 0.625" x 2.500" BAR | 21.500" | A36 |
| ga | 1 | 0.125" GASKET | 7.750" x 5.250" | 50 DURO. NEOPRENE |
| fc | 1 | 0.25" COVER PLATE | 7.750" x 5.250" | A36 |
| cb | 4 | 0.375" DIA. HEX BOLT | 1" | A307 |
| lug | 1 | 0.25" PLATE | 1" x 1" | A36 |
| bp1 | 1 | 2" BASE PLATE | 2'-6" O.D. | A709 Gr 50 |

| | | | | |
|---|---|---|---|---|
| **2RT** | **1** | **RIGHT POST ASSEMBLY** | | |
| po4 | 1 | 14" O.D. x .500" WALL PIPE | 32'-3.750" | A500 gr B, API 5LX42 |
| cp1 | 1 | 0.25" CAP PLATE | 1'-2.500" O.D. | A36 |
| gt | 1 | 0.125" GASKET | 14.5" O.D.-12.5" I.D. | 50 DURO. NEOPRENE |
| bar3 | 1 | L1.5x1.5x.25" | 1'-1" | A36 |
| hb1 | 1 | 0.500" DIA. HEX BOLT | 2.500" | A307 |
| wnt | 1 | 0.500" DIA. HEX NUT | | A563 |
| rbw | 1 | 0.500" DIA. RUBBER WASHER | | 50 DURO. NEOPRENE |
| gw | 1 | 0.500" DIA. WASHER | | F844 |
| pt4 | 2 | 0.500" PLATE | 8" x 6.500" | A709 Gr 50 |
| pt5 | 4 | 0.500" PLATE | 16" x 16" | A709 Gr 50 |
| bar2 | 1 | 0.625" x 2.500" BAR | 21.500" | A36 |
| ga | 1 | 0.125" GASKET | 7.750" x 5.250" | 50 DURO. NEOPRENE |
| fc | 1 | 0.25" COVER PLATE | 7.750" x 5.250" | A36 |
| cb | 4 | 0.375" DIA. HEX BOLT | 1" | A307 |
| lug | 1 | 0.25" PLATE | 1" x 1" | A36 |
| bp1 | 1 | 2" BASE PLATE | 2'-6" O.D. | A709 Gr 50 |
| | | | | |
| | | **SIGN ASSEMBLY** | | |
| sh1 | 4 | W6x8.5 | 12'-6" | A36 |
| sh2 | 4 | W6x8.5 | 10'-0" | A36 |
| ub2 | 32 | 0.625" DIA. U-BOLT | 7" | F1554 Gr 36 |
| sk1 | 64 | 0.625" DIA. SELF LOCKING NUT | | A563 DH |
| sw1 | 64 | 0.625" DIA. FALT WASHER | | F436 |
| | | | | |
| | | **HARDWARE** | | |
| sbt1 | 24 | 0.625" DIA. SPLICE HEX BOLT | 2.250" | A325 |
| snt1 | 24 | 0.625" DIA. HEX NUT | | A563 DH |
| swr1 | 48 | 0.625" DIA. WASHER | | F436 |
| ub1 | 8 | 0.75" DIA. U-BOLT | 7.500" | F1554 Gr 36 |
| un1 | 16 | 0.75" DIA. LOCK NUT | | A563 DH |
| uw1 | 16 | 0.75" DIA. FALT WASHER | | F436 |
| | | | | |
| | | **ANCHOR BOLT** | | |
| an1 | 12 | 2" DIA. STUD | 3'-8" | S/S A276 TY304 |
| nt | 48 | 2" DIA. HEX NUT | | S/S A194B TY304 |
| wr | 12 | 2" DIA. WASHER | | S/S TY304 |
| lk | 12 | 2" DIA. LOCK WASHER | | S/S TY305 |
| anp | 12 | 1" PLATE WASHER | 4" x 4" | S/S TY305 |

REBAR LIST

| REBAR | PCS. REQRD. | LENGTH | SPEC. |
|---|---|---|---|
| #4 | 16 | 9'-0" | A615 Gr. 60 |
| #4 | 56 | 5'-6" | A615 Gr. 60 |
| #6 (90° HOOK ONE END) | 44 | 8'-6" | A615 Gr. 60 |
| #5 | 76 | 19'-6" | A615 Gr. 60 |

REVISIONS

| No. | Remarks | Date |
|---|---|---|
| 0 | Initial submittal | |
| 1 | MK-ub2 | 10/3/10 |
| 2 | Footing design | 5/26/10 |

ASD 6/9/10

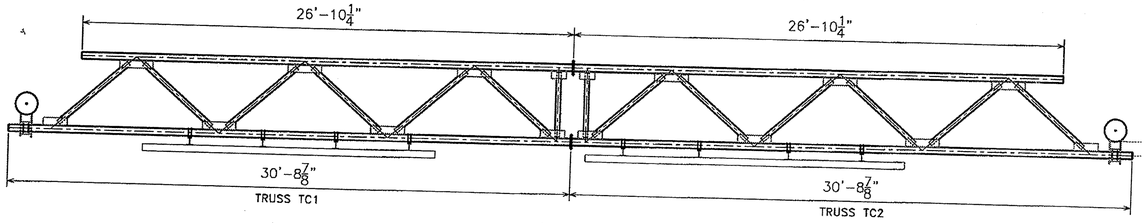
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.115 OH INTERCHANGE #7
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

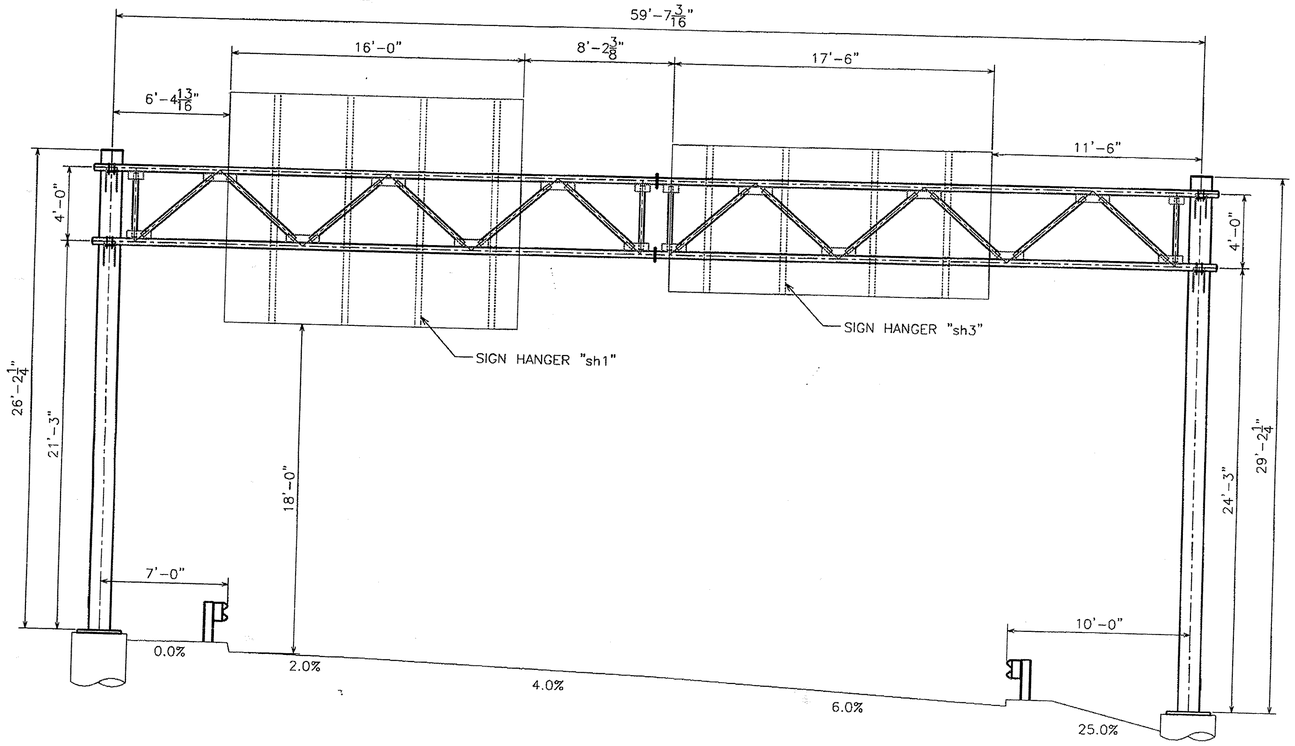
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

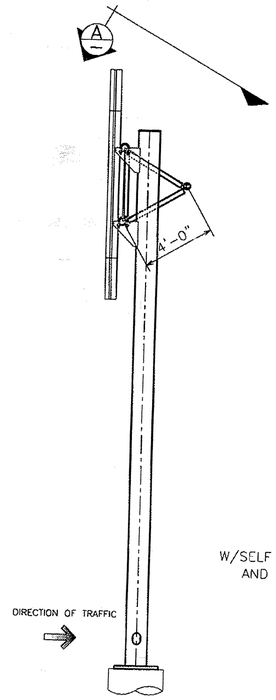
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CHECKED
DATE 12/22/09
SCALE NTS
HSC REFERENCE NO. 1729b
SIZE D REVISION 0
SHEET NO. 6 of 6



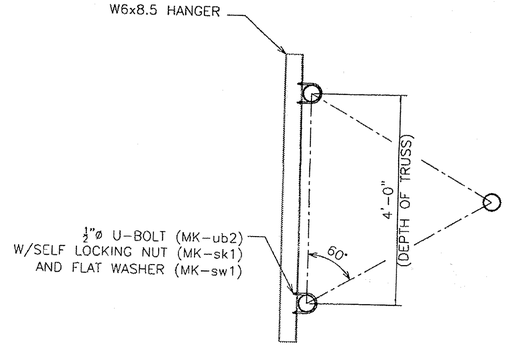

A VIEW



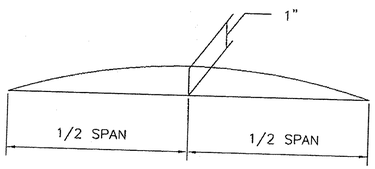

ELEVATION
INTERCHANGE 8
LOOKING AT FACE OF SIGN
(OUT OF PLANE CHORDS NOT SHOWN FOR CLARITY)
Montpelier Ex. I 8




SIDE ELEVATION




SIGN MOUNTING DETAIL
VERTICAL HANGER BEAMS & U-BOLTS INCLUDED




CAMBER DIAGRAM

*NOTE:*

CAMBER WILL BE ACHIEVED BY SHORTENING LOWER CHORD PIPES BY AN AMOUNT SUCH THAT POSITIVE UPWARD DEFLECTION IS PRODUCED WHEN TRUSSES ARE BROUGHT TOGETHER AT SPLICES.

NOTE:
POST HEIGHT WAS SCALED OF THE CONTRACT DRAWINGS, CONTRACTOR TO VERIFY POST HEIGHT PRIOR TO FABRICATION.

CCS Constructors LLC
138 Munson Avenue
Morrisville, VT 05661
Ph: 802-888-7701 f: 802-888-4746

| REVISIONS | | |
|---|---|---|
| No. | Remarks | Date |
| 0 | Initial submittal | |

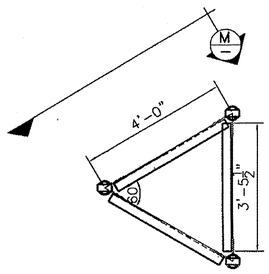
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
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PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

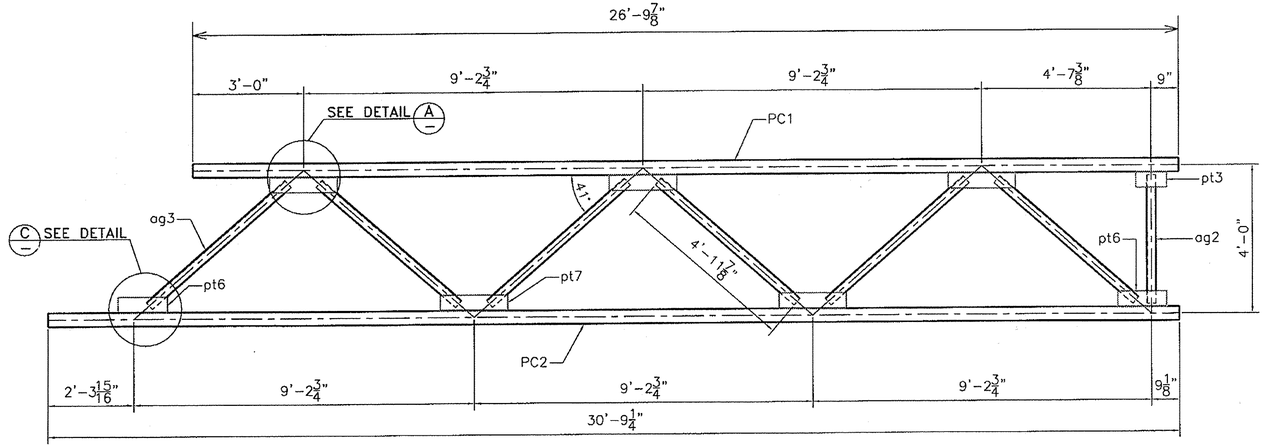
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

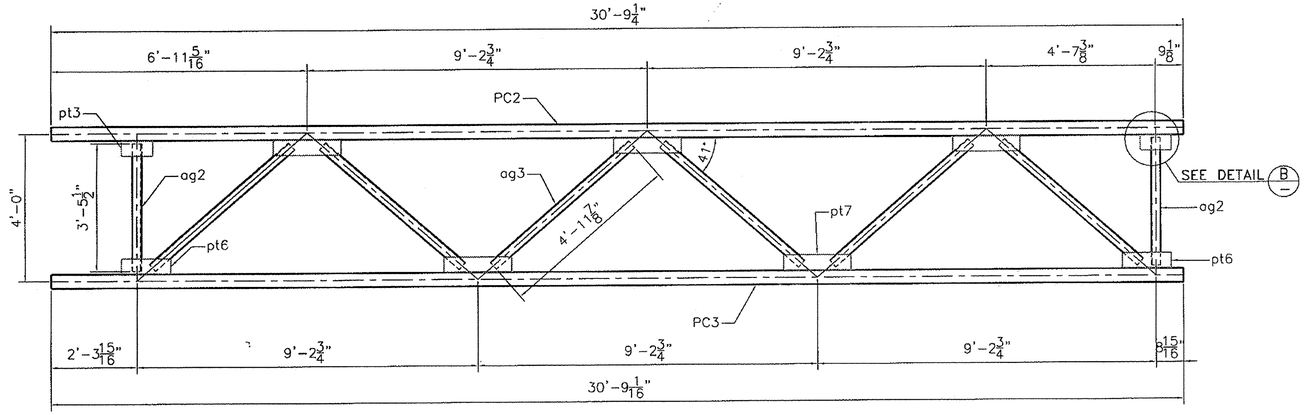
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| CHECKED | |
| DATE | 12/22/09 |
| SCALE | N.T.S. |
| HSC REFERENCE NO. | 1729c |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 1 of 6 |




SIDE VIEW

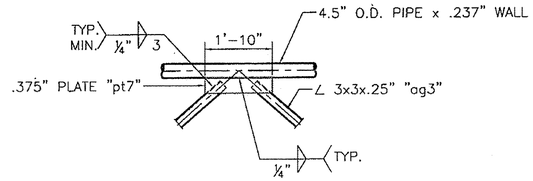



M VIEW

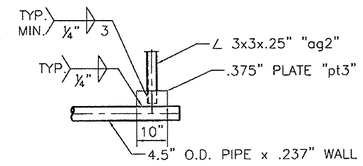



FRONT VIEW

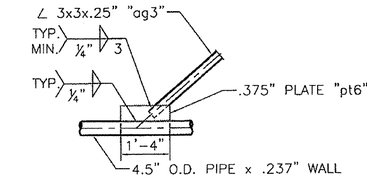
TRUSS TC1



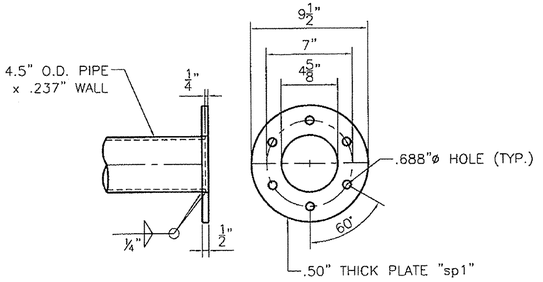

DETAIL "A"




DETAIL "B"




DETAIL "C"




SPLICE DETAIL

| REVISIONS | | |
|---|---|---|
| No. | Remarks | Date |
| 0 | Initial submittal | |
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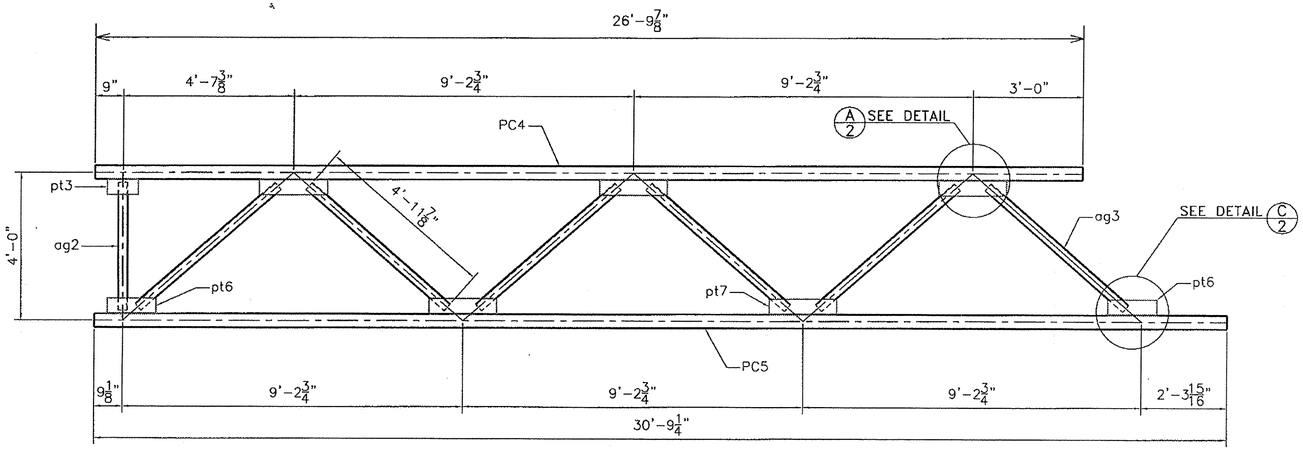
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.102 OH INTERCHANGE #8
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

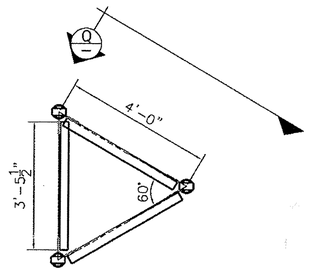
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SUB CONTRACTOR CCS Constructors LLC

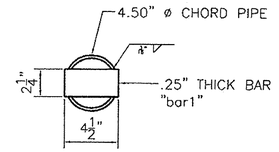
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| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 2 of 6 |



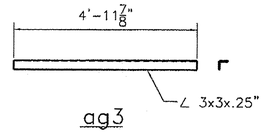

VIEW Q/–



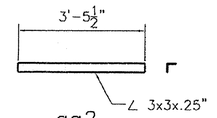

SIDE VIEW




PIPE PLUG DETAIL
"EACH END OF TRUSS CHORD"



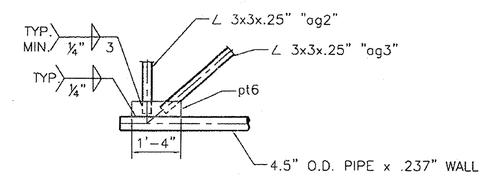

ag3




ag2




FRONT VIEW




DETAIL "D"

# TRUSS TC2

| REVISIONS | | |
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| No. | Remarks | Date |
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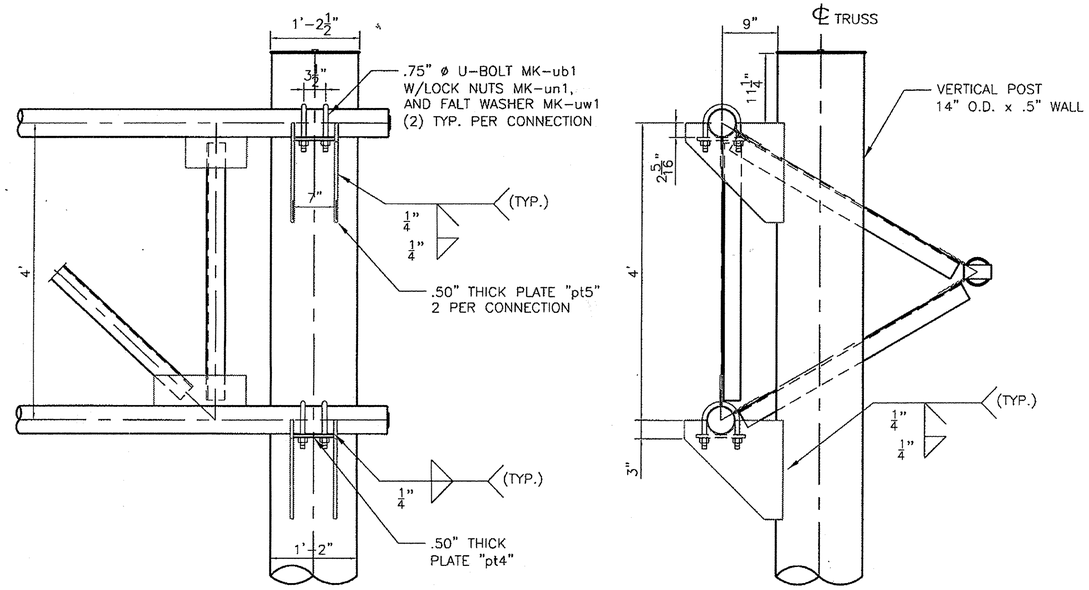
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.102 OH INTERCHANGE #8
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

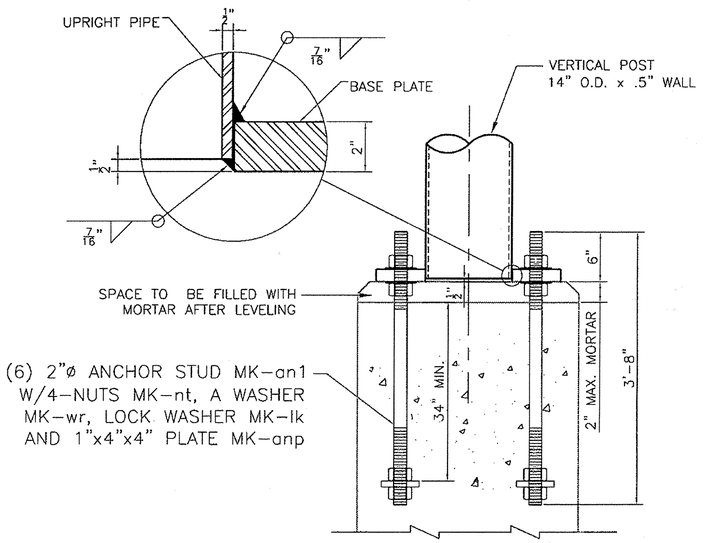
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

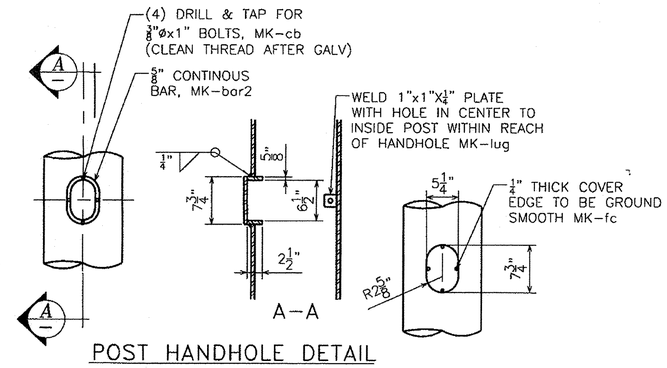
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| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 3 of 6 |




## TRUSS CONNECTION DETAIL

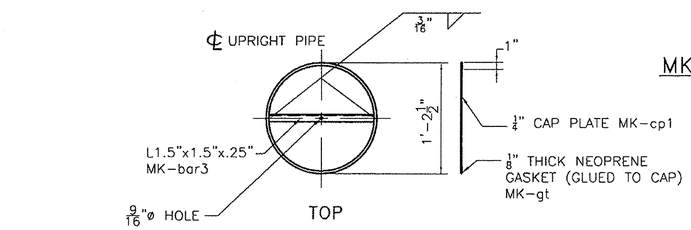


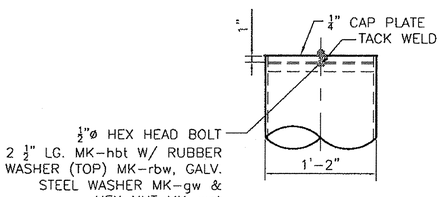

## ANCHORAGE ASSEMBLY




## POST HANDHOLE DETAIL

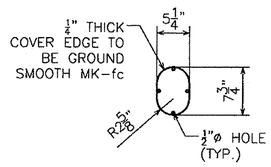
PLACE ON SIDE OF POLE
AWAY FROM APPROCHING TRAFFIC



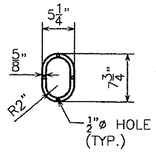




## UPRIGHT CAP DETAIL

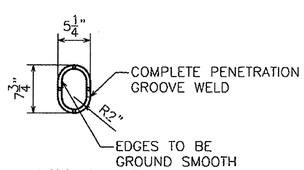
ASSEMBLE CAP TO POST PRIOR TO SHIPPING.



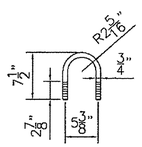

## MK-fc



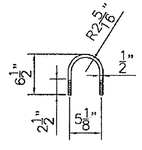

## GASKET MK-ga



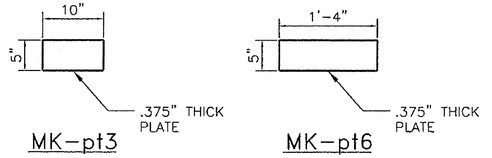

## MK-bar2




## MK-ub1

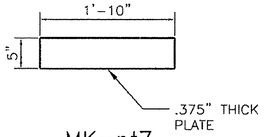



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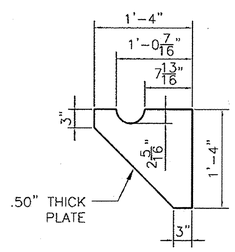



## MK-pt3

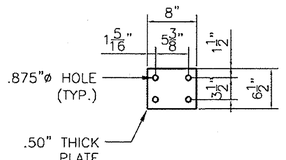
## MK-pt6




## MK-pt7




## MK-pt5




## MK-pt4

**NOTE:**

1. STRUCTURE DESIGNED IN ACCORDANCE WITH LATEST EDITION AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS.
2. ALL HOLES FOR HIGH STRENGTH FASTENERS SHALL BE DRILLED OR SUB-PUNCHED FULL SIZE. SLOTTED HOLES AND/OR VENT OR ACCESS HOLES MAY BE CUT WITH MECHANICALLY GUIDED PLASMA OR MECHANICALLY GUIDED FLAME TORCH.
3. GRIND SHARP CORNERS OF ALL PLATES TO A $\frac{1}{16}$" MIN. RADIUS PRIOR TO GALVANIZING.
4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS D1.1.
5. ALL STEEL PLATES FOR STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 50.
6. STEEL PLATES AND SHAPES FOR NON-STRUCTURAL COMPONENTS SHALL BE ASTM A709 GR. 36.
7. STEEL PIPES FOR STRUCTURAL MEMBERS SHALL HAVE MINIMUM YIELD OF 42 ksi AND SHALL CONFORM TO ONE OF THE FOLLOWING GRADES: ASTM A500 GR. B, OR API 5LX42.
8. UNLESS OTHERWISE NOTED, ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE M164 TYPE 1 (A325).
9. GALVANIZED U-BOLTS FOR CONNECTION OF SIGN HANGER BEAMS TO TRUSS SHALL BE ASTM F-1554 GR. 36.
10. ALL STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111 (ASTM A123).
11. ALL HARDWARE, UNLESS OTHERWISE NOTED, SHALL BE HOT-DIPPED GALVANIZED PER AASHTO M232 (ASTM A153).
12. ANCHOR HARDWARE SHALL BE STAINLESS STEEL AND MEET REQUIREMENTS OF VAOT STANDARD SPECIFICATION 714.09.
13. CONCRETE AND REBAR SHOWN IN FOOTING DESIGN TO BE FURNISHED BY OTHERS.
14. FOUNDATION DESIGN BASED ON USE OF 3000 psi MINIMUM CONCRETE.
15. SPACE BETWEEN THE TOP OF CONCRETE AND THE BOTTOM OF STEEL BASE PLATE SHALL BE FILLED WITH TYPE IV MORTAR AFTER LEVELING.
16. BOLTS INSTALLED IN STRUCTURAL CONNECTIONS SHALL BE PROVIDED AND TENSIONED PER APPLICABLE PROVISIONS OF VAOT STANDARD SPECIFICATIONS SECTION 506.
17. SEAL WELD ALL CONNECTIONS WHEN POSSIBLE PRIOR TO GALVANIZING.

| REVISIONS | | |
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| No. | Remarks | Date |
| 0 | Initial submittal | |
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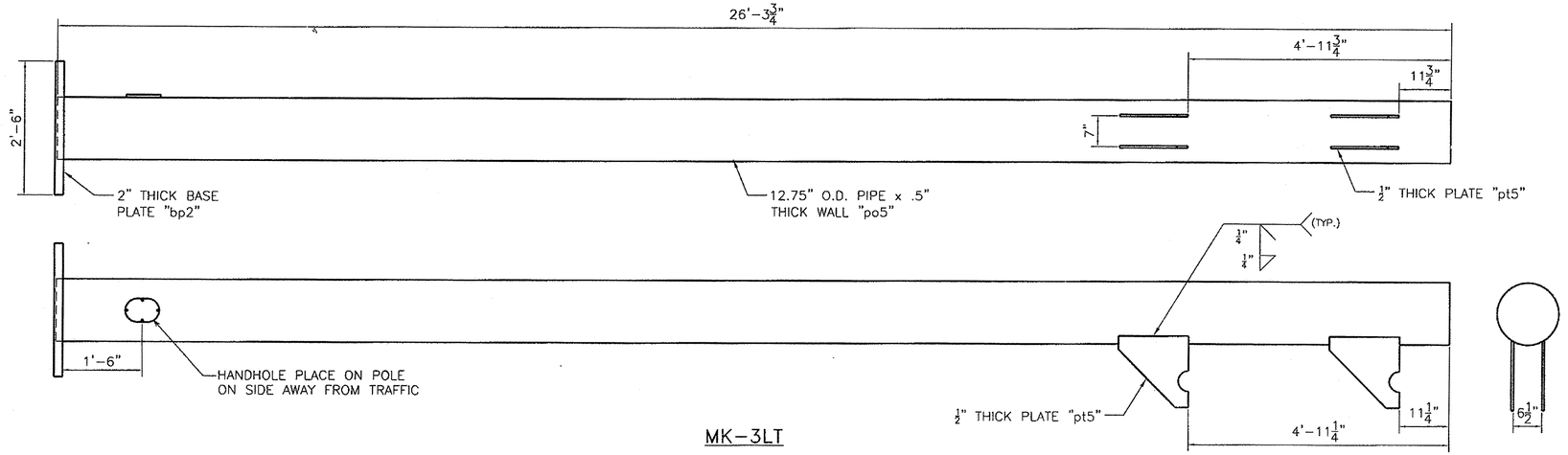
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.102 OH INTERCHANGE #8
PROJECT NUMBER IMG SIGN(19)
ROYALTON - MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

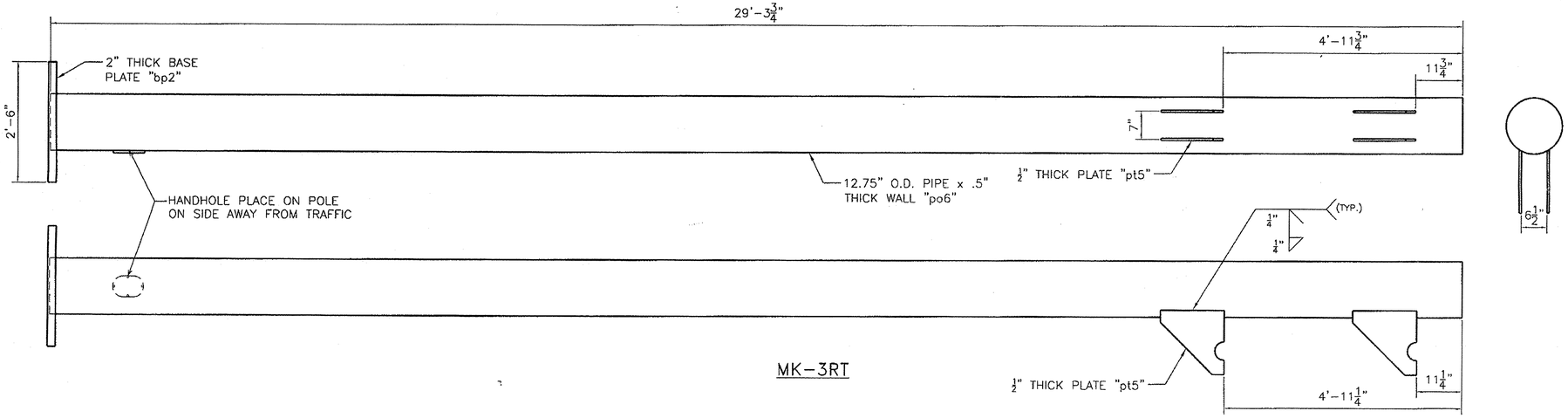
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

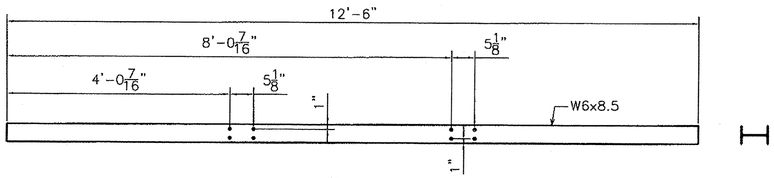
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| SIZE | D |
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| SHEET NO. | 4 of 6 |



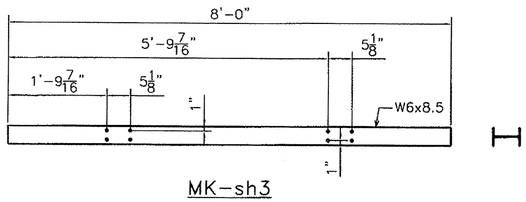

MK-3LT



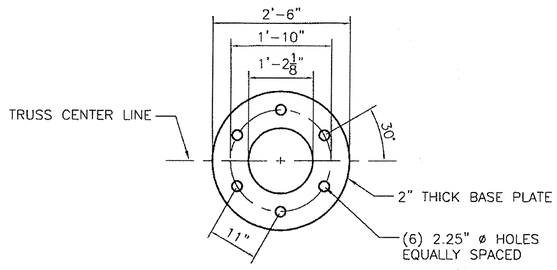

MK-3RT




MK-sh1




MK-sh3




MK-bp1

NOTE:
BASE PLATE SHALL BE STAMPED WITH THE VERTICAL POLE DIAMETER (VD.), HEIGHT (VHT.), YIELD STRENGTH (VYS.), GAUGE(VGE.), AND SAME FOR HORIZONTAL MEMBER (HD.), (HYS.), AND (HGE.).

| REVISIONS | | |
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| No. | Remarks | Date |
| 0 | Initial submittal | |
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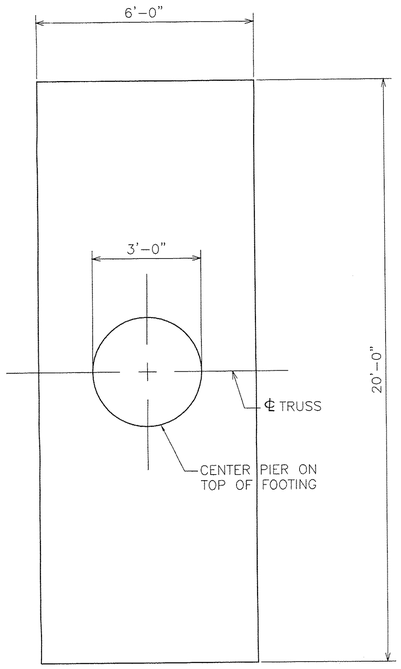
HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.102 OH INTERCHANGE #8
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
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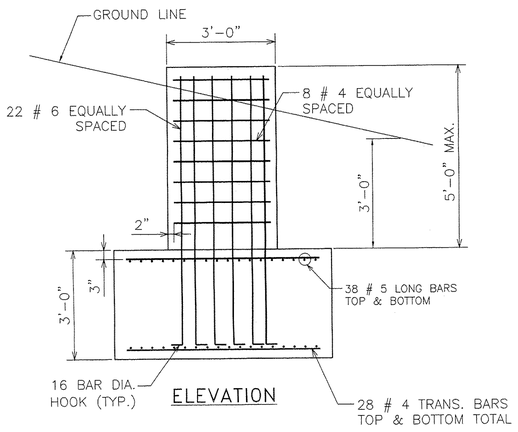
GENERAL CONTRACTOR

SUB CONTRACTOR
CCS Constructors LLC

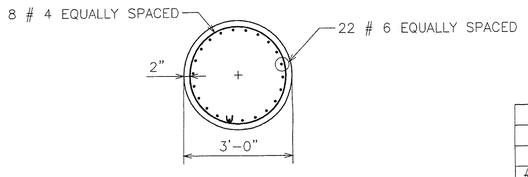
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| SCALE | N.T.S. |
| MSC REFERENCE NO. | 1729c |
| SIZE | D |
| REVISION | 0 |
| SHEET NO. | 5 of 6 |




PLAN




ELEVATION




PLAN (STEM)

| | | INTERCHANGE #6 0.138 LT | | |
|---|---|---|---|---|
| **MK** | **QTY** | **DESCRIPTION** | **LENGTH** | **SPEC.** |
| **TA1** | **1** | **TRUSS SECTION ASSEMBLY** | | |
| PA1 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 29'-5.937" | A500 gr B, API 5LX42 |
| PA2 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.500" | A500 gr B, API 5LX42 |
| PA3 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.313" | A500 gr B, API 5LX42 |
| ag1 | 21 | L 3x3x.25" | 4'-9.625" | A709 Gr 36 |
| ag2 | 4 | L 3x3x.25" | 3'-5.500" | A709 Gr 36 |
| pt1 | 6 | 0.375" THICK PLATE | 5"x1'-3" | A709 Gr 50 |
| pt2 | 18 | 0.375" THICK PLATE | 5"x1'-8" | A709 Gr 50 |
| pt3 | 4 | 0.375" THICK PLATE | 5"x10" | A709 Gr 50 |
| bar1 | 3 | 0.25" PLUG PLATE | 2.25"x4.500" | A709 Gr 36 |
| sp1 | 3 | 0.500" SPLICE PLATE | 9.500" O.D. | A709 Gr 50 |
| | | | | |
| **TA2** | **1** | **TRUSS SECTION ASSEMBLY** | | |
| PA4 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 29'-5.937" | A500 gr B, API 5LX42 |
| PA5 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.500" | A500 gr B, API 5LX42 |
| PA6 | 1 | 4.500" O.D. x .237" WALL CHORD PIPE | 33'-1.313" | A500 gr B, API 5LX42 |
| ag1 | 21 | L 3x3x.25" | 4'-9.625" | A709 Gr 36 |
| ag2 | 4 | L 3x3x.25" | 3'-5.500" | A709 Gr 36 |
| pt1 | 6 | 0.375" THICK PLATE | 5"x1'-3" | A709 Gr 50 |
| pt2 | 18 | 0.375" THICK PLATE | 5"x1'-8" | A709 Gr 50 |
| pt3 | 4 | 0.375" THICK PLATE | 5"x10" | A709 Gr 50 |
| bar1 | 3 | 0.25" PLUG PLATE | 2.25"x4.500" | A36 |
| sp1 | 3 | 0.500" SPLICE PLATE | 9.500" O.D. | A709 Gr 50 |
| | | | | |
| **1LT** | **1** | **LEFT POST ASSEMBLY** | | |
| po1 | 1 | 14" O.D. x .500" WALL PIPE | 26'-3.750" | A500 gr B, API 5LX42 |
| cp1 | 1 | 0.25" CAP PLATE | 1'-2.500" O.D. | A36 |
| gt | 1 | 0.125" GASKET | 14.5" O.D.-12.5" I.D. | 50 DURO. NEOPRENE |
| bar3 | 1 | L1.5x1.5x.25" | 1'-1" | A36 |
| hb1 | 1 | 0.500" DIA. HEX BOLT | 2.500" | A307 |
| wnt | 1 | 0.500" DIA. HEX NUT | | A563 |
| rbw | 1 | 0.500" DIA. RUBBER WASHER | | 50 DURO. NEOPRENE |
| gw | 1 | 0.500" DIA. WASHER | | F844 |
| pt4 | 2 | 0.500" PLATE | 8" x 6.500" | A709 Gr 50 |
| pt5 | 4 | 0.500" PLATE | 16" x 16" | A709 Gr 50 |
| bar2 | 1 | 0.625" x 2.500" BAR | 21.500" | A36 |
| ga | 1 | 0.125" GASKET | 7.750" x 5.250" | 50 DURO. NEOPRENE |
| fc | 1 | 0.25" COVER PLATE | 7.750" x 5.250" | A36 |
| cb | 4 | 0.375" DIA. HEX BOLT | 1" | A307 |
| lug | 1 | 0.25" PLATE | 1" x 1" | A36 |
| bp1 | 1 | 2" BASE PLATE | 2'-6" O.D. | A709 Gr 50 |

| | | | | |
|---|---|---|---|---|
| **1RT** | **1** | **RIGHT POST ASSEMBLY** | | |
| po2 | 1 | 14" O.D. x .500" WALL PIPE | 32'-3.750" | A500 gr B, API 5LX42 |
| cp1 | 1 | 0.25" CAP PLATE | 1'-2.500" O.D. | A36 |
| gt | 1 | 0.125" GASKET | 14.5" O.D.-12.5" I.D. | 50 DURO. NEOPRENE |
| bar3 | 1 | L1.5x1.5x.25" | 1'-1" | A36 |
| hb1 | 1 | 0.500" DIA. HEX BOLT | 2.500" | A307 |
| wnt | 1 | 0.500" DIA. HEX NUT | | A563 |
| rbw | 1 | 0.500" DIA. RUBBER WASHER | | 50 DURO. NEOPRENE |
| gw | 1 | 0.500" DIA. WASHER | | F844 |
| pt4 | 2 | 0.500" PLATE | 8" x 6.500" | A709 Gr 50 |
| pt5 | 4 | 0.500" PLATE | 16" x 16" | A709 Gr 50 |
| bar2 | 1 | 0.625" x 2.500" BAR | 21.500" | A36 |
| ga | 1 | 0.125" GASKET | 7.750" x 5.250" | 50 DURO. NEOPRENE |
| fc | 1 | 0.25" COVER PLATE | 7.750" x 5.250" | A36 |
| cb | 4 | 0.375" DIA. HEX BOLT | 1" | A307 |
| lug | 1 | 0.25" PLATE | 1" x 1" | A36 |
| bp1 | 1 | 2" BASE PLATE | 2'-6" O.D. | A709 Gr 50 |
| | | | | |
| | | **SIGN ASSEMBLY** | | |
| sh1 | 4 | W6x8.5 | 12'-6" | A36 |
| sh2 | 4 | W6x8.5 | 10'-0" | A36 |
| ub2 | 32 | 0.625" DIA. U-BOLT | 7" | F1554 Gr 36 |
| sk1 | 64 | 0.625" DIA. SELF LOCKING NUT | | A563 DH |
| sw1 | 64 | 0.625" DIA. FALT WASHER | | F436 |
| | | | | |
| | | **HARDWARE** | | |
| sbt1 | 24 | 0.625" DIA. SPLICE HEX BOLT | 2.250" | A325 |
| snt1 | 24 | 0.625" DIA. HEX NUT | | A563 DH |
| swr1 | 48 | 0.625" DIA. WASHER | | F436 |
| ub1 | 8 | 0.75" DIA. U-BOLT | 7.500" | F1554 Gr 36 |
| un1 | 16 | 0.75" DIA. LOCK NUT | | A563 DH |
| uw1 | 16 | 0.75" DIA. FALT WASHER | | F436 |
| | | | | |
| | | **ANCHOR BOLT** | | |
| an1 | 12 | 2" DIA. STUD | 3'-8" | S/S A276 TY304 |
| nt | 48 | 2" DIA. HEX NUT | | S/S A194B TY304 |
| wr | 12 | 2" DIA. WASHER | | S/S TY304 |
| lk | 12 | 2" DIA. LOCK WASHER | | S/S TY305 |
| anp | 12 | 1" PLATE WASHER | 4" x 4" | S/S TY305 |

## REBAR LIST

| REBAR | PCS. REQRD. | LENGTH | SPEC. |
|---|---|---|---|
| #4 | 16 | 9'-0" | A615 Gr. 60 |
| #4 | 56 | 5'-6" | A615 Gr. 60 |
| #6 (90° HOOK ONE END) | 44 | 8'-6" | A615 Gr. 60 |
| #5 | 76 | 19'-6" | A615 Gr. 60 |

REVISIONS

| No. | Remarks | Date |
|---|---|---|
| 0 | Initial submittal | |
| 1 | MK-ub2 | 3/10/10 |
| 2 | Footing design | 5/26/10 |

HIGHWAY SAFETY CORP.
GLASTONBURY, CT

TRI CHORD OVERHEAD SIGN STRUCTURE
SIGN 0.138 OH INTERCHANGE #6
PROJECT NUMBER IMG SIGN(19)
ROYALTON – MIDDLESEX
VERMONT AGENCY OF TRANSPORTATION

GENERAL CONTRACTOR

SUB CONTRACTOR CCS Constructors LLC

DRAWN MHM
CHECKED
DATE 12/22/09
SCALE NTS
HSC REFERENCE NO. 1729a
SIZE D REVISION 0
SHEET NO. 6 of 6

**CCS Constructors LLC**
138 Munson Avenue
Morrisville, Vermont 05661
(802) 888-7701 FAX: (802) 888-4746

# LETTER OF TRANSMITTAL

| | |
|---|---|
| DATE: 2/23/2010 | |
| ATTN: Al Jones | |
| RE: Royalton/ Middlesex IMG SIGN (19) | |

TO: **Attn. Al Jones, Resident Engineer**
**SE Regional Construction Office**
**837 Reservoir Rd.**
**Orange, VT 05641**

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☑ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

| COPIES | DATE | NO | DESCRIPTION | STATUS |
|---|---|---|---|---|
| 1 | 2/23/2010 | 2 | Steel post uppers shop drawings | |
| 1 | 2/23/2010 | 2 | Revised steel post base shop drawings | |
| 1 | | | GMAW Welding Procedures | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

THESE ARE TRANSMITTED as checked below:

☐ 1. For approval ☐ 5. Approved as submitted ☐ 9. Resubmit copies for approval

☑ 2. For your use ☐ 6. Approved as noted ☐ 10. Submit copies for distribution

☐ 3. As requested ☐ 7. Returned for corrections ☐ 11. Return corrected prints

☐ 4. For review and comment ☐ 8. Revise and resubmit ☐ 12. _____

☐ 13. FOR BID DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS: We added the S3 plates welded to PB10, added the 5" diameter hole on on PB4 of the 5" post uppers, and added the plate weight and total weight columns on the post upper tables.

COPY TO: 5 sets to Mike Hedges in Structures

SIGNED: Andrew White, P.E.

WELDING PROCEDURE SPECIFICATION (WPS)
PREQUALIFIED _ QUALIFIED BY TESTING X
or PROCEDURE QUALIFICATION RECORDS (PQR) Yes X
AASHTO/AWS D1.5 Qualification Type 5.12.1 _ 5.12.2 _ 5.13 _

Contractor
Organization CCS Constructors
Welding Process(es) GMAW-P
Type: Manual _ Semiautomatic X
Machine _ Automatic _
Tandem _ Parallel _

Identification CCS-WPS-GMAWP
Revision 1st Date 1/13/2010 BER
Authorized by Tim Prevost Date 1/13/2010
Supporting PQR No.(s) CCS-POR-GMAWP

**JOINT DESIGN USED**
Single X Double Weld _
Backing: Yes X No _ Material A36
Root Opening 5/8 Root Face Dimension
Groove Angle 20 Radius (J-U)
Backgouging: Yes _ No X Method
Root Treatment

**BASE METALS**
Material Spec. A572
Type or Grade 50
Thickness: Groove 1" Fillet
Diameter (Pipe)

**FILLER METALS**
AWS Specification A5.28
AWS Classification ER80S-NIL
Manufacturer Trade Name Lincoln

**SHIELDING**
Flux Mfg. Trade Name
Electrode-Flux (Class)
Gas Composition 84%Ar16%CO2
Flow Rate 40CFH Gas Cup Size 5/8

**POSITION**
Position of Groove 3G Fillet
Vertical Progression: Up X Down _

**ELECTRICAL CHARACTERISTICS**
Transfer Mode (GMAW): Globular _ Spray X
Current: AC _ DCEP X DCEN _ Pulsed X
Electrical Stick Out 3/8
Other

**TECHNIQUE**
Stringer or Weave Bead Stringer
Multi-pass or Single Pass (per side) Multi
Number of Electrodes one
Electrode Spacing: Longitudinal
Lateral Angle
Interpass Cleaning Chip & Wire Brush

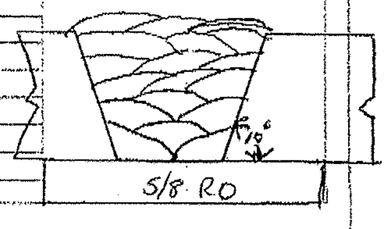
**PREHEAT**
Preheat Temp., Min. 70
Interpass Temp., Min. 70
Interpass Temp., Max. 400F

**POSTWELD HEAT TREATMENT**
Temp. N/A Hold Time N/A
Heating/Cooling Rate

**HEAT INPUT**
Calculated Heat Input Value: kJ/in _ kJ/mm _
Max. Heat Input Min. Heat Input

**WELDING PROCEDURE**

| Pass or Weld Layer(s) | Process | Filler Metals Diam. | Current Type & Polarity | Current Amps or Wire Feed Speed | Volts | Travel Speed | Joint Details |
|---|---|---|---|---|---|---|---|
| 1-5 | GMAW | .045 | DCEP | 111-115a | 21-22 | 3.5to7IPM | 20° |
| 5-17 | GMAW | .045 | DCEP | 110-130 | 21-23 | | |




Form L-2

Form L-2—Sample Welding Procedure Specification



adj 2/26/10

## WELDER OR WELDING OPERATOR QUALIFICATION TEST RECORD

Welder or welding operator's name: William Reen — I.D. no. 62008
Weld process: GMAW -P — Manual: — Semiautomatic: X — Machine:
Position: Tested in 3G Qualified 1G,2G,3G- 1F-2F-3F Upward
(Flat, horizontal, overhead or vertical - if vertical, state whether upward or downward)
In accordance with procedure specificaiton no.: CCS-WPS-GMAWP B-U2a-GF
Material specification: (ASTM-709), M270 (A572 G 50) 1 inch Thick
Thickness range this qualifies: 1/8" to unlimited

### FILLER METAL

Specification no.: A5.28 — Classification: ER80S-NIL — F no.:
Describe filler metal (if not covered by AWS specificaiton)
Is backing used? Yes
Filler metal diameter and trade name: .045 LA75 Lincoln
Flux for submerged arc or gas for gas metal arc or flux cored arc welding: n/a

### VISUAL INPECTION (9.21.1)

Appearance: ACCEPTABLE — Undercut: NONE — Piping porosity: NONE

### GUIDED BEND TEST RESULTS

| Type | Result | Type | Result |
|---|---|---|---|
| Side Bend | No Defects | Side Bend | No Defects |
| Side Bend | No Defects | Side Bend | Defects less than 1/8 |

Test conducted by: Lynn Anderson — Lab test no.: Auburn
per: AWS D1.5 — Test date: 1/13/2010

See attached paper work

### FILLET TEST RESULTS

Appearance — Fillet size
Fracture test root penetration — Macroetch
(Describe the location, nature and size of any crack or tearing of the specimen.)
Test conducted by — Lab test no.
per — Test date

### RADIOGRAPHIC TEST RESULTS

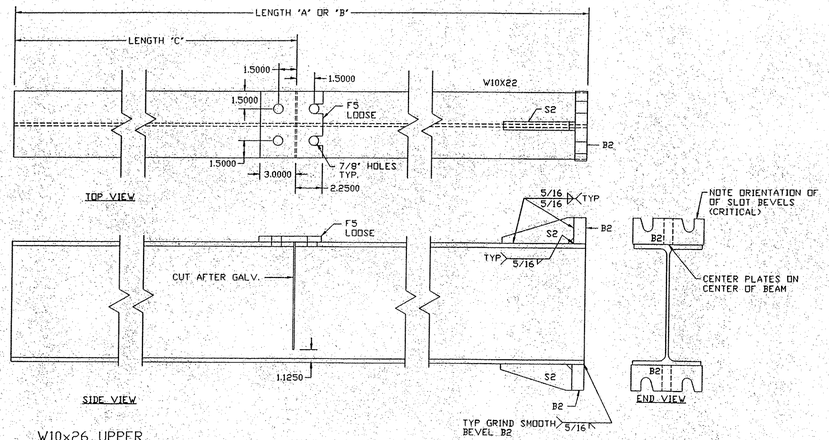
| Film I.D. | Results | Remarks | Film I.D. | Results | Remarks |
|---|---|---|---|---|---|
| CCS 1" | accept | view1-2 7x17 | | | |
| CCS 1" | Accept | view 2-3 7x17 | | | |

Test conducted by Waino Gustafson — Lab test no. Auburn
per Tim Prevost — Test date 12/30/2009

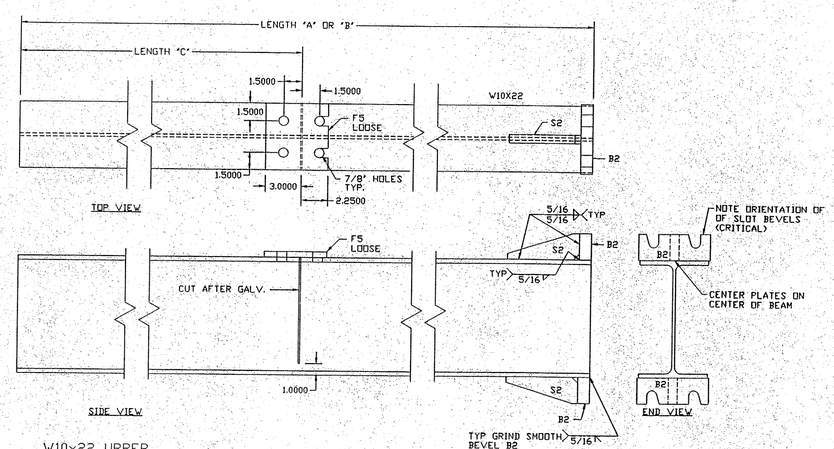
We, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in accordance with the requirements of ANSI/AASHTO/AWS D **D1.5 2008 Bridge welding Code**

Manufacturer of Contractor: CCS Constructors
Authorized by: Tim Prevost
Date: 1/21/2010

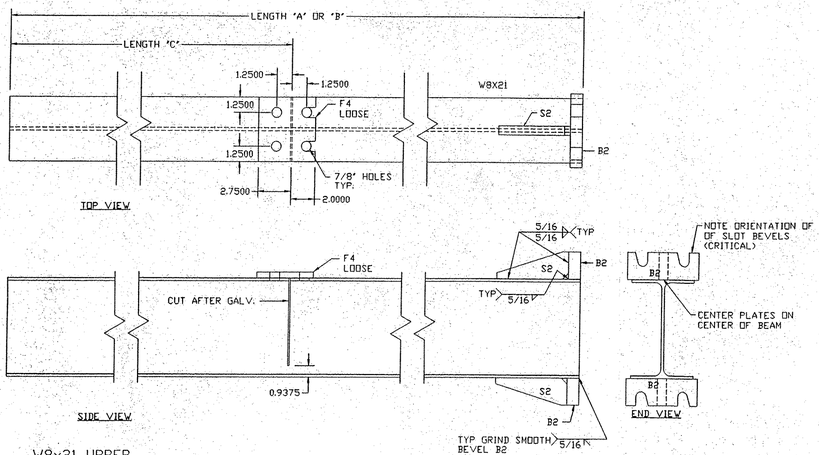
ass 2/26/10



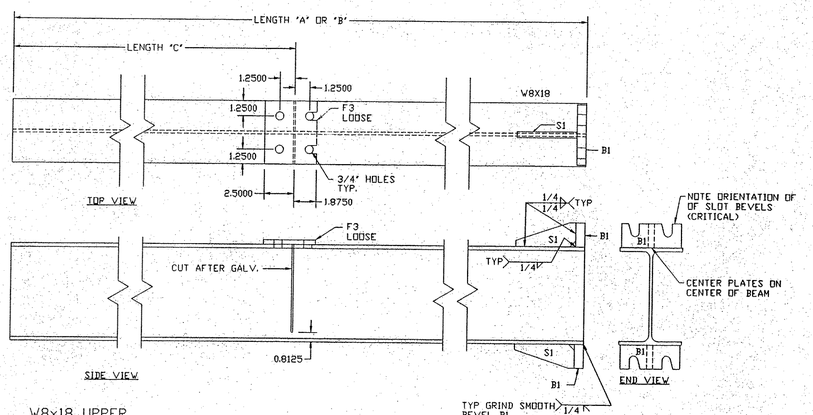

W10x26 UPPER
4 REQ'D




W10x22 UPPER
12 REQ'D




W8x21 UPPER
53 REQ'D




W8x18 UPPER
34 REQ'D

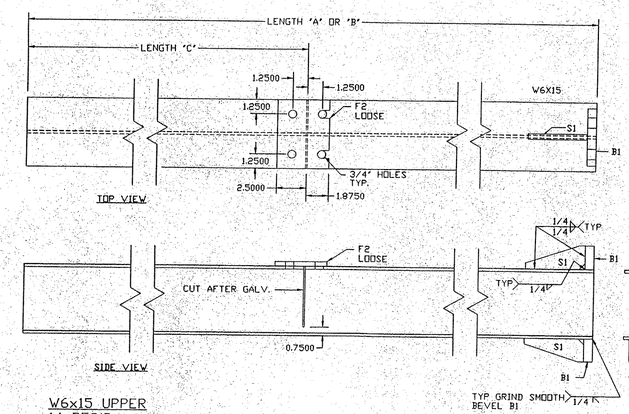
| Mile Marker | Sheet | sign ht (in) | ht above shoulder (in) | wt A stem (lbs) | wt B stem (lbs) | PL wt (lbs) | Total wt A (lbs) | Total wt B (lbs) | Size | delta A B | A length | B length | C length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.92NB | 53 | 144 | 84 | 368.3 | 370.5 | 5.42 | 373.7 | 375.9 | W8X18 | 0'-1 1/2" | 20'-5 1/2" | 20'-7" | 12'-4" |
| 29.680NB | 55 | 114 | 84 | 343.0 | 323.2 | 5.42 | 348.5 | 328.6 | W8X18 | 1'-1 1/4" | 19'-11/16" | 17'-11 7/16" | 9'-10" |
| 30.180NB | 55 | 114 | 84 | 341.2 | 315.2 | 5.42 | 346.6 | 320.6 | W8X18 | 1'-5 5/16" | 18'-11 7/16" | 17'-6 1/8" | 9'-10" |
| 30.335NB | 55 | 144 | 84 | 371.1 | 341.4 | 5.42 | 376.5 | 346.9 | W8X18 | 1'-7 3/4" | 20'-7 3/8" | 18'-11 5/8" | 12'-4" |
| 30.500NB | 55 | 126 | 84 | 393.8 | 368.1 | 5.42 | 399.2 | 373.5 | W8X18 | 1'-5 1/8" | 21'-10 1/2" | 20'-5 3/8" | 10'-10" |
| 31.400SB | 73 | 144 | 84 | 403.1 | 420.9 | 5.42 | 408.5 | 426.4 | W8X18 | 0'-11 7/8" | 22'-4 3/4" | 23'-4 5/8" | 12'-4" |
| 42.440NB | 58 | 144 | 84 | 260.4 | 290.8 | 5.42 | 265.9 | 296.2 | W8X18 | 1'-1 8 1/4" | 14'-5 5/8" | 16'-1 7/8" | 12'-4" |
| 46.405NB | 60 | 144 | 84 | 351.7 | 366.6 | 5.42 | 357.1 | 372.0 | W8X18 | 0'-9 15/16 | 19'-6 7/16" | 20'-4 3/8" | 12'-4" |
| 49.735NB | 61 | 144 | 84 | 364.7 | 400.3 | 5.42 | 370.1 | 405.7 | W8X18 | 1'-1 1/4" | 20'-3 1/8" | 22'-2 7/8" | 12'-4" |
| 49.910NB | 62 | 120 | 84 | 384.2 | 410.3 | 5.42 | 389.6 | 415.7 | W8X18 | 1'-5 3/8" | 21'-4 1/8" | 22'-9 1/2" | 10'-4" |
| 51.720NB | 63 | 114 | 96 | 277.7 | 222.8 | 5.42 | 283.1 | 228.2 | W8X18 | 3'-5/8" | 15'-5 1/8" | 12'-4 1/2" | 9'-10" |
| 52.235NB | 63 | 114 | 96 | 383.0 | 380.6 | 5.42 | 388.4 | 386.1 | W8X18 | 0'-11 3/4" | 20'-2" | 21'-1 3/4" | 9'-10" |
| 52.440NB | 64 | 144 | 84 | 382.6 | 386.0 | 5.42 | 388.0 | 391.4 | W8X18 | 0'-2 1/4" | 21'-3 1/16" | 21'-5 5/16" | 12'-4" |
| 32.060SB | 73 | 114 | 84 | 276.9 | 245.4 | 5.42 | 282.4 | 250.9 | W8X18 | 1'-9" | 15'-4 5/8" | 13'-7 5/8" | 9'-10" |
| 43.390SB | 75 | 144 | 84 | 349.3 | 370.5 | 5.42 | 354.7 | 375.9 | W8X18 | - 1'-2 1/8" | 19'-4 7/8" | 20'-7" | 12'-4" |
| 47.200 SB | 77 | 102 | 84 | 304.9 | 287.4 | 5.42 | 310.3 | 292.9 | W8X18 | 0'-11 5/8" | 16'-11 1/4" | 15'-11 5/8" | 8'-10" |
| 47.360 SB | 77 | 144 | 84 | 350.4 | 366.6 | 5.42 | 355.9 | 372.0 | W8X18 | - 0'-10 3/4" | 19'-5 5/8" | 20'-4 3/8" | 12'-4" |
| 51.080 SB | 79 | 144 | 84 | 354.3 | 382.8 | 5.42 | 359.7 | 388.2 | W8X18 | - 1'-7" | 19'-8 3/16" | 21'-3 3/16" | 12'-4" |
| 21.320NB | 53 | 144 | 84 | 434.8 | 369.7 | 10.22 | 445.0 | 379.9 | W8X21 | 3'-1 3/16" | 20'-8 7/16" | 17'-7 1/4" | 12'-4 1/4" |
| 21.650NB | 53 | 138 | 96 | 412.1 | 427.1 | 10.22 | 422.3 | 437.3 | W8X21 | - 0'-8 9/16" | 19'-7 1/2" | 20'-4 1/16" | 11'-10 1/4" |
| 22.135NB | 53 | 120 | 84 | 365.5 | 380.5 | 10.22 | 375.8 | 390.7 | W8X21 | - 0'-8 9/16" | 17'-4 7/8" | 18'-1 7/16" | 10'-4 1/4" |
| 41.840NB | 57 | 144 | 84 | 404.7 | 440.1 | 10.22 | 414.9 | 450.3 | W8X21 | - 1'-8 1/4" | 19'-3 1/4" | 20'-11 1/2" | 12'-4 1/4" |
| 42.716NB | 58 | 120 | 84 | 260.5 | 297.3 | 10.22 | 270.8 | 307.5 | W8X21 | - 1'-9" | 12'-4 7/8" | 14'-1 7/8" | 10'-4 1/4" |
| 45.900NB | 59 | 144 | 84 | 387.4 | 347.8 | 10.22 | 397.6 | 358.0 | W8X21 | 1'-10 5/8" | 18'-5 3/8" | 16'-6 3/4" | 12'-4 1/4" |
| 46.250NB | 60 | 138 | 84 | 416.8 | 390.3 | 10.22 | 426.1 | 400.5 | W8X21 | 1'-2 5/8" | 19'-9 5/8" | 18'-7" | 11'-10 1/4" |
| 46.535NB | 60 | 126 | 84 | 366.8 | 340.2 | 10.22 | 377.1 | 350.4 | W8X21 | 1'-3 1/4" | 17'-5 5/8" | 16'-2 3/8" | 10'-10 1/4" |
| 48.953NB | 61 | 144 | 84 | 423.0 | 402.3 | 10.22 | 433.2 | 412.5 | W8X21 | 0'-11 13/16 | 20'-1 11/16 | 19'-1 7/8" | 12'-4 1/4" |
| 49.505NB | 61 | 138 | 84 | 300.1 | 292.5 | 10.22 | 310.3 | 302.7 | W8X21 | 0'-4 3/8" | 14'-3 1/2" | 13'-11 1/8" | 11'-10 1/4" |
| 52.595NB | 64 | 132 | 84 | 428.3 | 420.9 | 10.22 | 438.5 | 431.1 | W8X21 | 0'-4 1/4" | 20'-4 3/4" | 20'-1/2" | 11'-4 1/4" |
| 57.330NB | 67 | 144 | 84 | 457.4 | 398.3 | 10.22 | 467.6 | 408.6 | W8X21 | 2'-9 3/4" | 21'-9 3/8" | 18'-11 5/8" | 12'-4 1/4" |
| 57.955NB | 67 | 138 | 96 | 425.9 | 458.5 | 10.22 | 436.1 | 468.7 | W8X21 | - 1'-6 5/8" | 20'-3 3/8" | 21'-10" | 11'-10 1/4" |
| 58.455NB | 68 | 156 | 96 | 437.9 | 374.3 | 10.22 | 448.2 | 384.5 | W8X21 | 3'-3/8" | 20'-10 1/4" | 17'-9 7/8" | 13'-4 1/4" |
| 22.640SB | 71 | 120 | 84 | 371.4 | 298.2 | 10.22 | 381.7 | 308.4 | W8X21 | 3'-5 7/8" | 17'-8 1/4" | 14'-2 3/8" | 10'-4 1/4" |
| 23.300SB | 71 | 144 | 84 | 402.8 | 332.9 | 10.22 | 413.0 | 343.2 | W8X21 | 3'-3 15/16" | 19'-2 3/16" | 15'-10 1/4" | 12'-4 1/4" |
| 31.200SB | 73 | 126 | 84 | 450.0 | 476.8 | 10.22 | 460.2 | 487.0 | W8X21 | - 1'-3 5/16" | 21'-5 1/8" | 22'-8 7/16" | 10'-10 1/4" |
| 31.570SB | 73 | 114 | 96 | 417.4 | 483.7 | 10.22 | 427.6 | 493.9 | W8X21 | - 3'-1 7/8" | 19'-10 1/2" | 23'-3/8" | 9'-10 1/4" |
| 46.940 SB | 77 | 126 | 84 | 435.1 | 464.0 | 10.22 | 445.3 | 474.2 | W8X21 | - 1'-4 1/2" | 20'-8 5/8" | 22'-1 1/8" | 10'-10 1/4" |
| 47.815 SB | 78 | 144 | 84 | 433.1 | 463.2 | 10.22 | 443.3 | 473.4 | W8X21 | - 1'-5 3/16" | 20'-7 1/2" | 22'-11/16" | 12'-4 1/4" |
| 50.930 SB | 79 | 138 | 84 | 445.8 | 470.8 | 10.22 | 456.0 | 481.0 | W8X21 | - 1'-2 1/4" | 21'-2 3/4" | 22'-5" | 11'-10 1/4" |
| 51.230 SB | 80 | 138 | 84 | 436.2 | 480.4 | 10.22 | 446.4 | 490.6 | W8X21 | - 2'-1 1/4" | 20'-9 1/4" | 22'-10 1/2" | 11'-10 1/4" |
| 51.615 SB | 80 | 144 | 84 | 439.5 | 420.5 | 10.22 | 449.7 | 430.8 | W8X21 | 0'-10 13/16 | 20'-11 1/8" | 20'-5/16" | 12'-4 1/4" |
| 53.350 SB | 81 | 120 | 84 | 350.0 | 347.8 | 10.22 | 360.2 | 358.0 | W8X21 | 0'-1 1/4" | 16'-8" | 16'-6 3/4" | 10'-4 1/4" |
| 53.550 SB | 81 | 144 | 84 | 436.8 | 453.5 | 10.22 | 447.1 | 463.7 | W8X21 | - 0'-9 1/2" | 20'-9 5/8" | 21'-7 1/8" | 12'-4 1/4" |
| 59.300 SB | 85 | 138 | 96 | 463.1 | 481.3 | 10.22 | 473.3 | 491.5 | W8X21 | - 0'-10 3/8" | 22'-5/8" | 22'-11" | 11'-10 1/4" |
| 59.870 SB | 85 | 144 | 84 | 507.5 | 536.9 | 10.22 | 517.7 | 547.1 | W8X21 | - 1'-4 13/16 | 24'-2" | 25'-6 13/16" | 12'-4 1/4" |
| 42.290NB | 58 | 138 | 96 | 421.7 | 359.9 | 10.22 | 431.9 | 370.1 | W10X22 | 2'-9 11/16" | 19'-2" | 16'-4 5/16" | 11'-10 1/2" |
| 22.949SB | 71 | 138 | 96 | 475.1 | 607.5 | 10.22 | 485.3 | 617.7 | W10X22 | - 6'-1/4" | 21'-7 1/8" | 27'-7 3/8" | 11'-10 1/2" |
| 43.240SB | 75 | 120 | 84 | 420.3 | 509.7 | 10.22 | 430.5 | 519.9 | W10X22 | - 4'-3/4" | 19'-1 1/4" | 23'-2" | 10'-4 1/2" |
| 44.250SB | 76 | 144 | 84 | 407.0 | 396.0 | 10.22 | 417.2 | 406.2 | W10X22 | 0'-6" | 18'-6" | 18'-0" | 12'-4 1/2" |
| 53.850 SB | 82 | 138 | 96 | 458.3 | 531.0 | 10.22 | 468.6 | 541.2 | W10X22 | - 3'-3 5/8" | 20'-10" | 24'-1 5/8" | 11'-10 1/2" |
| 54.150 SB | 82 | 144 | 84 | 443.7 | 514.0 | 10.22 | 453.9 | 524.2 | W10X22 | - 3'-2 3/8" | 20'-2" | 23'-4 3/8" | 12'-4 1/2" |
| 59.000 SB | 85 | 126 | 96 | 535.8 | 589.6 | 10.22 | 546.0 | 599.9 | W10X22 | - 2'-5 3/8" | 24'-4 1/4" | 26'-9 5/8" | 13'-4 1/2" |
| 43.540SB | 76 | 138 | 96 | 535.0 | 619.9 | 10.22 | 545.3 | 630.2 | W10X26 | - 3'-3 3/16" | 20'-6 15/16" | 23'-10 1/8" | 11'-10 1/2" |
| 47.510 SB | 78 | 138 | 96 | 541.0 | 620.8 | 10.22 | 551.2 | 631.0 | W10X26 | - 3'-13/16" | 20'-9 11/16" | 23'-10 1/2" | 11'-10 1/2" |

NOTE: ALL W-SHAPES AASHTO M270 GR. 36 OR 50
NOTE: ALL PLATES AASHTO M270 GR. 36 OR 50
NOTE: ALL ROUND HSS SHAPES ASTM A500 GR. B
NOTE: ALL PIPE SHAPES ASTM A53 GR. B

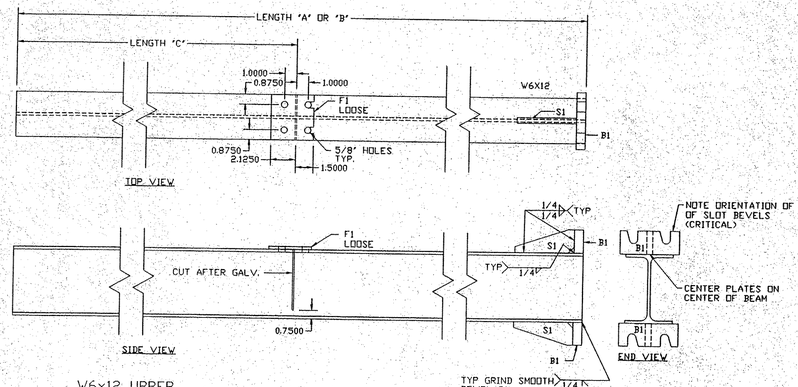
CCS CONSTRUCTORS, LLC
138 MUNSON AVE.
MORRISVILLE, VT 05661
PH. 802-888-7701
FX. 802-888-4746

FINISH:
GALVANIZE TO AASHTO M111

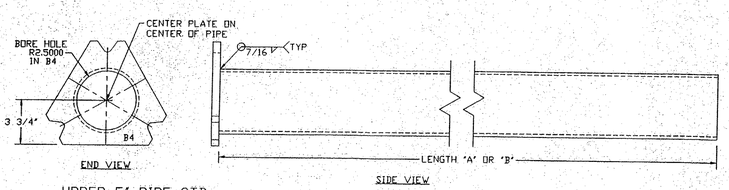
| | | |
|---|---|---|
| REVISION 1 | 2/23/10 | UPPER 5' |
| PROJECT NAME: ROYALTON-MIDDLESEX | | PROJECT NO.: IMG SIGN(19) |
| UPPERS | | DRAWING NO.: 1 of 2 |
| SCALE 1'=1' | DATE 2/23/10 | |
| DRAWN: EB | | SUPERVISOR: AW |
| TOWNS: ROYALTON, BETHEL, RANDOLF NORTHFIELD, BARRE, MONTPELIER, MIDDLESEX | | |



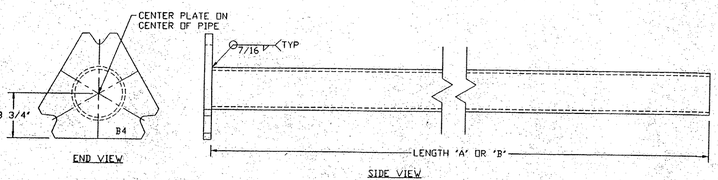

W6x15 UPPER
14 REQ'D



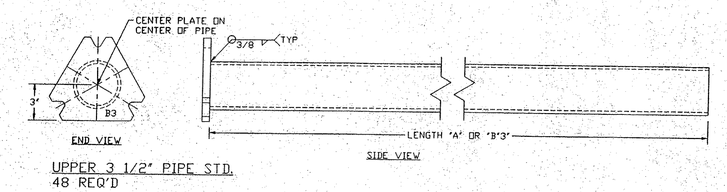

W6x12 UPPER
4 REQ'D



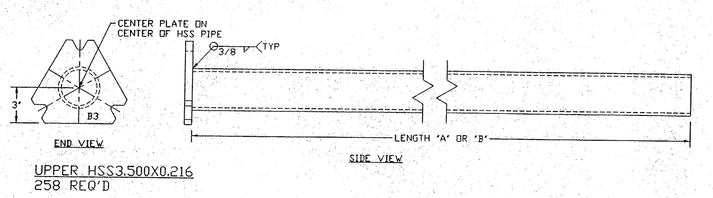

UPPER 5' PIPE STD.
48 REQ'D




UPPER 4' PIPE STD.
48 REQ'D



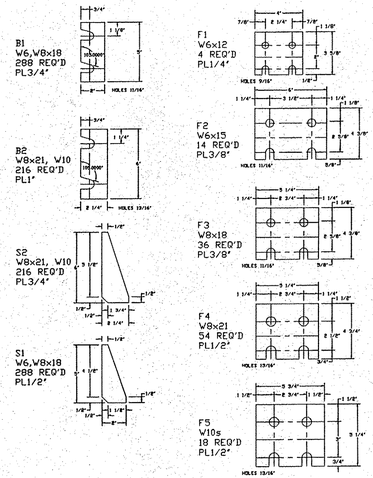

UPPER 3 1/2" PIPE STD.
48 REQ'D

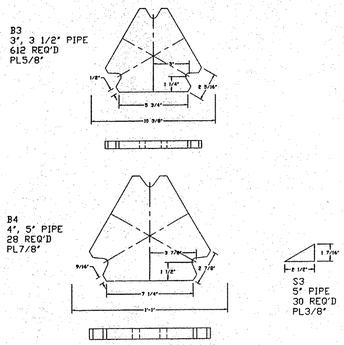



UPPER HSS3.500X0.216
258 REQ'D

| Mile Marker | Sheet | sign ht (in) | ht above shoulder (in) | wt A stem (lbs) | wt B stem (lbs) | PL wt (lbs) | Total wt A (lbs) | Total wt B (lbs) | Size | delta A B | A length | B length | C length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49.325NB | 61 | 84 | 84 | 151.6 | 118.1 | 5.42 | 157.0 | 123.5 | W6X12 | 2'-9 7/16" | 9'-10 1/8" | 7'-3 3/8" | |
| 23.100SB | 71 | 84 | 84 | 172.9 | 151.8 | 5.42 | 178.3 | 157.2 | W6X12 | 1'-9 1/8" | 14'-4 7/8" | 12'-7 3/4" | 7'-3 3/8" |
| 29.930NB | 55 | 84 | 84 | 215.9 | 189.1 | 5.42 | 221.4 | 194.6 | W6X15 | 1'-9 7/16" | 14'-4 3/4" | 12'-7 5/16" | 7'-4" |
| 42.140NB | 57 | 102 | 84 | 279.1 | 257.2 | 5.42 | 284.5 | 262.6 | W6X15 | 1'-5 1/2" | 18'-7 1/4" | 17'-1 3/4" | 8'-10" |
| 51.540NB | 63 | 108 | 84 | 264.7 | 246.4 | 5.42 | 270.1 | 251.8 | W6X15 | 1'-2 5/8" | 17'-7 3/4" | 16'-5 1/8" | 9'-4" |
| 31.820SB | 73 | 84 | 84 | 268.4 | 275.5 | 5.42 | 273.9 | 280.9 | W6X15 | - 0'-5 5/8" | 17'-10 3/4" | 18'-4 3/8" | 7'-4" |
| 43.700SB | 76 | 84 | 84 | 207.2 | 195.3 | 5.42 | 212.6 | 200.7 | W6X15 | 0'-9 1/2" | 13'-9 3/4" | 13'-1/4" | 7'-4" |
| 51.380 SB | 80 | 84 | 84 | 226.4 | 238.1 | 5.42 | 231.8 | 243.5 | W6X15 | - 0'-9 3/8" | 15'-1 1/8" | 15'-10 1/2" | 7'-4" |
| 54.304 SB | 82 | 108 | 84 | 276.6 | 301.6 | 5.42 | 282.0 | 307.0 | W6X15 | - 1'-8" | 18'-5 1/4" | 20'-1 1/4" | 9'-4" |
| 22.246NB | 53 | 60 | 84 | 96.1 | 99.9 | 6.79 | 102.9 | 106.7 | 3" DIA | - 0'-6" | 12'-8 1/8" | 13'-2 1/8" | |
| 22.285NB | 53 | 48 | 84 | 91.9 | 96.6 | 6.79 | 98.7 | 103.4 | 3" DIA | - 0'-7 7/16" | 12'-1 9/16" | 12'-9" | |
| 22.730NB | 54 | 36 | 84 | 79.5 | 81.5 | 6.79 | 86.3 | 88.3 | 3" DIA | - 0'-3 1/8" | 10'-5 7/8" | 10'-9" | |
| 22.805NB | 54 | 77 | 72 | 97.1 | NA | 6.79 | 103.9 | NA | 3" DIA | NA | 12'-9 3/4" | NA | |
| 23.460NB MED | 54 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 26.053NB | 54 | 48 | 84 | 94.1 | 99.8 | 6.79 | 100.9 | 106.6 | 3" DIA | - 0'-9" | 12'-5" | 13'-2" | |
| 30.693NB | 55 | 60 | 84 | 87.1 | 85.7 | 6.79 | 93.9 | 92.5 | 3" DIA | 0'-2 1/4" | 11'-5 7/8" | 11'-3 5/8" | |
| 31.450NB | 55 | 36 | 84 | 81.6 | 88.7 | 6.79 | 88.4 | 95.5 | 3" DIA | - 0'-11 5/16" | 10'-9 1/8" | 11'-8 7/16" | |
| 31.525NB | 56 | 87 | 72 | 105.8 | NA | 6.79 | 112.6 | NA | 3" DIA | NA | 13'-11 1/2" | NA | |
| 32.180NB-1 | 56 | 60 | 84 | 97.6 | 104.2 | 6.79 | 104.4 | 111.0 | 3" DIA | - 0'-10 1/2" | 12'-10 1/2" | 13'-9" | |
| 32.180NB-2 | 56 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 39.138NB | 57 | 68 | 84 | 104.0 | 110.0 | 6.79 | 110.8 | 116.8 | 3" DIA | - 0'-9 1/2" | 13'-8 11/16" | 14'-6 3/16" | |
| 41.065NB | 57 | 60 | 84 | 90.2 | 85.9 | 6.79 | 97.0 | 92.7 | 3" DIA | 0'-6 7/8" | 11'-10 7/8" | 11'-4" | |
| 42.820NB | 58 | 60 | 84 | 95.3 | 97.5 | 6.79 | 102.1 | 104.3 | 3" DIA | - 0'-3 1/2" | 12'-6 7/8" | 12'-10 3/8" | |
| 42.870NB | 58 | 60 | 84 | 91.4 | 95.2 | 6.79 | 98.1 | 102.0 | 3" DIA | - 0'-6 1/16" | 12'-5/8" | 12'-6 11/16" | |
| 43.275NB | 58 | 36 | 84 | 81.9 | 89.0 | 6.79 | 88.7 | 95.8 | 3" DIA | - 0'-11 1/4" | 10'-9 5/8" | 11'-8 7/8" | |
| 43.350NB | 58 | 87 | 72 | 115.8 | NA | 6.79 | 122.5 | NA | 3" DIA | NA | 15'-3 1/4" | NA | |
| 43.445NB | 59 | 68 | 84 | 104.3 | 110.9 | 6.79 | 111.1 | 117.7 | 3" DIA | - 0'-10 7/16" | 13'-9 1/8" | 14'-7 9/16" | |
| 43.830NB | 59 | 36 | 84 | 79.2 | 63.9 | 6.79 | 86.0 | 70.7 | 3" DIA | 2'-1/4" | 10'-5 3/8" | 8'-5 1/8" | |
| 44.080NB-1 | 59 | 60 | 84 | 96.0 | 103.1 | 6.79 | 102.8 | 109.9 | 3" DIA | - 0'-11 1/4" | 12'-8" | 13'-7 1/4" | |
| 44.080NB-2 | 59 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 46.630NB | 60 | 50 | 84 | 97.6 | 97.6 | 6.79 | 104.3 | 104.3 | 3" DIA | 0'-0" | 12'-10 7/16" | 12'-10 7/16" | |
| 46.836NB | 60 | 60 | 84 | 94.0 | 96.1 | 6.79 | 100.8 | 102.9 | 3" DIA | - 0'-3 1/4" | 12'-4 7/8" | 12'-8 1/8" | |
| 47.320NB | 60 | 36 | 84 | 81.1 | 87.2 | 6.79 | 87.8 | 94.0 | 3" DIA | - 0'-9 11/16" | 10'-6 5/16" | 11'-6" | |
| 47.395NB | 60 | 87 | 72 | 105.4 | NA | 6.79 | 112.2 | NA | 3" DIA | NA | 13'-10 7/8" | NA | |
| 48.175NB | 61 | 60 | 84 | 98.6 | 106.8 | 6.79 | 105.4 | 113.6 | 3" DIA | - 1'-15/16" | 13'-1/8" | 14'-1 1/16" | |
| 48.175NB | 61 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 50.125NB | 62 | 60 | 84 | 91.7 | 92.1 | 6.79 | 98.5 | 98.9 | 3" DIA | - 0'-11/16" | 12'-1 1/8" | 12'-1 13/16" | |
| 50.730NB | 62 | 87 | 72 | 103.5 | NA | 6.79 | 110.3 | NA | 3" DIA | NA | 13'-7 7/8" | NA | |
| 50.910NB | 62 | 18 | 84 | 64.8 | 68.1 | 6.79 | 71.6 | 74.9 | 3" DIA | - 0'-5 1/4" | 8'-6 5/8" | 8'-11 7/8" | |
| 51.075NB | 63 | 36 | 84 | 74.8 | 49.8 | 6.79 | 81.6 | 56.6 | 3" DIA | 3'-3 5/8" | 9'-10 7/16" | 6'-6 13/16" | |
| 51.325NB | 63 | 60 | 84 | 98.5 | 106.0 | 6.79 | 105.3 | 112.8 | 3" DIA | - 1'-0" | 12'-11 7/8" | 13'-11 7/8" | |
| 51.860NB | 63 | 50 | 84 | 86.2 | 88.3 | 6.79 | 93.0 | 95.1 | 3" DIA | - 0'-3 1/4" | 11'-4 1/2" | 11'-7 3/4" | |
| 52.690NB | 64 | 60 | 84 | 91.6 | 91.7 | 6.79 | 98.4 | 98.5 | 3" DIA | - 0'-1/4" | 12'-1" | 12'-1 1/4" | |
| 52.855NB | 64 | 60 | 84 | 90.9 | 96.9 | 6.79 | 97.7 | 103.7 | 3" DIA | - 0'-9 1/2" | 11'-11 7/8" | 12'-9 3/8" | |
| 53.600NB | 65 | 87 | 72 | 111.5 | NA | 6.79 | 118.3 | NA | 3" DIA | NA | 14'-8 9/16" | NA | |
| 53.695NB | 65 | 68 | 84 | 94.1 | 94.1 | 6.79 | 100.9 | 100.9 | 3" DIA | 0'-0" | 12'-5" | 12'-5" | |
| 54.130NB | 66 | 60 | 84 | 103.3 | 110.8 | 6.79 | 110.1 | 117.6 | 3" DIA | - 0'-11 7/8" | 13'-7 1/2" | 14'-7 3/8" | |
| 54.375NB | 66 | 74 | 84 | 112.1 | 119.6 | 6.79 | 118.9 | 126.4 | 3" DIA | - 0'-11 7/8" | 14'-9 1/2" | 15'-9 3/8" | |
| 54.965NB | 66 | 50 | 84 | 92.8 | 95.0 | 6.79 | 99.6 | 101.8 | 3" DIA | - 0'-3 1/2" | 12'-2 7/8" | 12'-6 3/8" | |
| 56.450NB | 67 | 50 | 84 | 89.9 | 96.8 | 6.79 | 96.7 | 103.6 | 3" DIA | - 0'-10 7/8" | 11'-10 3/8" | 12'-9 1/4" | |
| 56.450NB | 67 | 50 | 84 | 82.7 | 82.7 | 6.79 | 89.5 | 89.5 | 3" DIA | 0'-0" | 10'-11" | 10'-11" | |
| 58.604NB | 68 | 60 | 84 | 90.4 | 92.9 | 6.79 | 97.2 | 99.6 | 3" DIA | - 0'-3 7/8" | 11'-11 1/8" | 12'-3" | |
| 59.075NB | 68 | 87 | 72 | 100.5 | NA | 6.79 | 107.3 | NA | 3" DIA | NA | 13'-3 1/8" | NA | |
| 59.160NB | 68 | 18 | 84 | 64.8 | 72.7 | 6.79 | 71.6 | 79.5 | 3" DIA | - 1'-1/2" | 8'-6 5/8" | 9'-7 1/8" | |
| 59.800NB | 69 | 60 | 84 | 96.3 | 101.4 | 6.79 | 103.1 | 108.2 | 3" DIA | - 0'-8" | 12'-8 1/2" | 13'-4 1/2" | |
| 59.800NB MED | 69 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 21.720SB | 70 | 87 | 72 | 104.9 | NA | 6.79 | 111.7 | NA | 3" DIA | NA | 13'-10 1/8" | NA | |
| 21.915SB | 70 | 50 | 84 | 87.9 | 99.1 | 6.79 | 94.7 | 105.9 | 3" DIA | - 1'-5 3/4" | 11'-7 3/16" | 13'-15/16" | |
| 22.367SB | 70 | 60 | 84 | 85.6 | 86.2 | 6.79 | 92.4 | 93.0 | 3" DIA | - 0'-1" | 11'-3 1/2" | 11'-4 1/2" | |
| 29.370SB | 71 | 60 | 84 | 90.4 | 94.9 | 6.79 | 97.2 | 101.7 | 3" DIA | - 0'-7 1/8" | 11'-11 3/16" | 12'-6 5/16" | |
| 29.370SB MED | 71 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 29.748.SB | 71 | 78 | 84 | 104.5 | 107.0 | 6.79 | 111.3 | 113.8 | 3" DIA | - 0'-3 7/8" | 13'-9 1/2" | 14'-1 3/8" | |
| 30.100SB | 72 | 18 | 84 | 73.2 | 81.2 | 6.79 | 80.0 | 88.0 | 3" DIA | - 1'-5/8" | 9'-7 7/8" | 10'-8 1/2" | |
| 30.365SB | 72 | 87 | 72 | 103.2 | NA | 6.79 | 109.9 | NA | 3" DIA | NA | 13'-7 5/16" | NA | |
| 30.440SB | 72 | 36 | 84 | 80.0 | 88.7 | 6.79 | 86.8 | 95.5 | 3" DIA | - 1'-1 3/4" | 10'-6 5/8" | 11'-8 3/8" | |
| 31.050SB | 72 | 60 | 84 | 87.4 | 85.2 | 6.79 | 94.2 | 92.0 | 3" DIA | 0'-3 7/16" | 11'-6 5/16" | 11'-2 7/8" | |
| 33.600SB | 73 | 50 | 84 | 89.5 | 93.3 | 6.79 | 96.3 | 100.1 | 3" DIA | - 0'-6" | 11'-9 3/4" | 12'-3 3/4" | |
| 41.550SB | 74 | 60 | 84 | 96.4 | 103.1 | 6.79 | 103.2 | 109.9 | 3" DIA | - 0'-10 5/8" | 12'-8 5/8" | 13'-7 1/4" | |
| 41.550SB MED | 74 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 42.245SB | 75 | 87 | 72 | 113.0 | NA | 6.79 | 119.8 | NA | 3" DIA | NA | 14'-10 15/16 | NA | |
| 42.320SB | 75 | 36 | 84 | 79.1 | 84.8 | 6.79 | 85.9 | 91.6 | 3" DIA | - 0'-8 15/16 | 10'-5 1/4" | 11'-2 3/16" | |
| 43.075SB | 75 | 60 | 84 | 95.1 | 96.5 | 6.79 | 101.9 | 103.3 | 3" DIA | - 0'-2 1/8" | 12'-6 5/8" | 12'-8 3/4" | |
| 45.695SB | 76 | 60 | 84 | 94.2 | 101.2 | 6.79 | 100.9 | 108.0 | 3" DIA | - 0'-11 3/16" | 12'-5 1/16" | 13'-4 1/4" | |
| 46.200 SB | 76 | 18 | 84 | 69.7 | 75.0 | 6.79 | 76.5 | 81.8 | 3" DIA | - 0'-8 3/8" | 9'-2 3/8" | 9'-10 3/4" | |
| 46.350 SB | 77 | 87 | 72 | 106.6 | NA | 6.79 | 113.4 | NA | 3" DIA | NA | 14'-3/4" | NA | |
| 46.430 SB | 77 | 36 | 84 | 80.0 | 86.9 | 6.79 | 86.8 | 93.7 | 3" DIA | - 0'-11" | 10'-6 5/8" | 11'-5 5/8" | |
| 46.760 SB | 77 | 48 | 84 | 96.1 | 99.6 | 6.79 | 102.9 | 106.4 | 3" DIA | - 0'-5 5/8" | 12'-8 1/8" | 13'-1 3/4" | |
| 46.813 SB | 77 | 60 | 84 | 93.6 | 94.2 | 6.79 | 100.4 | 101.0 | 3" DIA | - 0'-7/8" | 12'-4 1/4" | 12'-5 1/8" | |
| 49.220 SB | 78 | 60 | 84 | 100.2 | 108.4 | 6.79 | 107.0 | 115.2 | 3" DIA | - 1'-7/8" | 13'-2 11/16" | 14'-3 9/16" | |
| 49.220SB MED | 78 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 49.470 SB | 78 | 36 | 84 | 83.2 | 55.7 | 6.79 | 90.0 | 62.5 | 3" DIA | 3'-7 9/16" | 10'-11 11/16 | 7'-4 1/8" | |

| Mile Marker | Sheet | sign ht (in) | ht above shoulder (in) | wt A stem (lbs) | wt B stem (lbs) | PL wt (lbs) | Total wt A (lbs) | Total wt B (lbs) | Size | delta A B | A length | B length | C length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.110 SB | 79 | 87 | 72 | 109.0 | NA | 6.79 | 115.8 | NA | 3" DIA | NA | 14'-4 9/16" | NA | |
| 50.185 SB | 79 | 36 | 84 | 82.1 | 88.9 | 6.79 | 88.9 | 95.7 | 3" DIA | - 0'-10 7/8" | 10'-9 15/16 | 11'-8 13/16" | |
| 50.500 SB | 79 | 50 | 84 | 91.2 | 95.1 | 6.79 | 98.0 | 101.9 | 3" DIA | - 0'-6 1/8" | 12'-3/8" | 12'-6 1/2" | |
| 50.605 SB | 79 | 60 | 84 | 88.6 | 89.7 | 6.79 | 95.4 | 96.5 | 3" DIA | - 0'-1 3/4" | 11'-8 1/4" | 11'-10" | |
| 52.105 SB | 80 | 60 | 84 | 94.1 | 98.9 | 6.79 | 100.9 | 105.7 | 3" DIA | - 0'-7 5/8" | 12'-5" | 13'-5/8" | |
| 52.105SB MED | 80 | 60 | 84 | 89.1 | 89.1 | 6.79 | 95.9 | 95.9 | 3" DIA | 0'-0" | 11'-9" | 11'-9" | |
| 52.673 SB | 81 | 87 | 72 | 104.9 | NA | 6.79 | 111.7 | NA | 3" DIA | NA | 13'-10 1/8" | NA | |
| 52.756 SB | 81 | 50 | 84 | 85.7 | 90.9 | 6.79 | 92.5 | 97.7 | 3" DIA | - 0'-8 3/16" | 11'-3 11/16 | 11'-11 7/8" | |
| 53.100 SB | 81 | 50 | 84 | 93.3 | 89.5 | 6.79 | 100.1 | 96.2 | 3" DIA | 0'-6 1/8" | 12'-3 3/4" | 11'-9 5/8" | |
| 53.178 SB | 81 | 60 | 84 | 100.4 | 108.3 | 6.79 | 107.1 | 115.0 | 3" DIA | - 1'-1/2" | 13'-2 7/8" | 14'-3 3/8" | |
| 54.049 SB | 82 | 50 | 84 | 88.7 | 94.4 | 6.79 | 95.5 | 101.1 | 3" DIA | - 0'-9" | 11'-8 3/8" | 12'-5 3/8" | |
| 55.259 SB | 83 | 48 | 84 | 86.3 | 96.4 | 6.79 | 93.1 | 103.2 | 3" DIA | - 1'-4" | 11'-4 5/8" | 12'-8 5/8" | |
| 57.600 SB | 83 | 60 | 84 | 95.7 | 108.4 | 6.79 | 102.4 | 115.2 | 3" DIA | - 1'-8 1/4" | 12'-7 7/16" | 14'-3 11/16" | |
| 58.255 SB | 84 | 87 | 72 | 93.1 | NA | 6.79 | 99.9 | NA | 3" DIA | NA | 12'-3 7/16" | NA | |
| 58.330 SB | 84 | 36 | 84 | 78.2 | 85.0 | 6.79 | 85.0 | 91.7 | 3" DIA | - 0'-10 5/8" | 10'-3 7/8" | 11'-2 1/2" | |
| 58.846 SB | 84 | 60 | 84 | 98.1 | 96.1 | 6.79 | 104.9 | 102.9 | 3" DIA | 0'-3 1/8" | 12'-11 5/16" | 12'-8 3/16" | |
| 0.150 RAMP D RT | 87 | 51 | 84 | 91.1 | 96.6 | 6.79 | 97.9 | 103.4 | 3" DIA | - 0'-8 3/4" | 12'-3/16" | 12'-8 15/16" | |
| 1.690VT107LT | 88 | 36 | 84 | 81.5 | 85.3 | 6.79 | 88.3 | 92.1 | 3" DIA | - 0'-6" | 10'-9" | 11'-3" | |
| 1.721VT107LT | 88 | 102 | 84 | 121.1 | 117.5 | 6.79 | 127.9 | 124.3 | 3" DIA | 0'-5 3/4" | 15'-11 3/4" | 15'-6" | |
| 1.960VT107 | 90 | 102 | 84 | 115.6 | 115.6 | 6.79 | 122.4 | 122.4 | 3" DIA | 0'-0" | 15'-3" | 15'-3" | |
| 200VT107LT | 90 | 36 | 84 | 86.4 | 91.7 | 6.79 | 93.2 | 98.5 | 3" DIA | - 0'-8 5/16" | 11'-4 13/16" | 12'-1 1/8" | |
| 0.030RAMP | 91 | 72 | 84 | 98.9 | 99.9 | 6.79 | 105.6 | 106.7 | 3" DIA | - 0'-1 11/16" | 13'-1/2" | 13'-2 3/16" | |
| 0.150RAMP | 91 | 51 | 84 | 84.6 | 85.7 | 6.79 | 91.4 | 92.5 | 3" DIA | - 0'-1 3/4" | 11'-2" | 11'-3 3/4" | |
| 0.200RAMP | 91 | 44 | 84 | 83.5 | 91.0 | 6.79 | 90.2 | 97.8 | 3" DIA | - 1'-0" | 11'-1/8" | 12'-1/8" | |
| 0.250 RAMP | 91 | 60 | 84 | 90.9 | 93.2 | 6.79 | 97.7 | 100.0 | 3" DIA | - 0'-3 3/4" | 11'-11 7/8" | 12'-3 5/8" | |
| 2.380VT166RT | 93 | 36 | 84 | 74.5 | 77.1 | 6.79 | 81.3 | 83.9 | 3" DIA | - 0'-4 1/8" | 9'-9 15/16" | 10'-2 1/16" | |
| 2.430VT166GL | 94 | 48 | 84 | 81.7 | 92.2 | 6.79 | 88.5 | 99.0 | 3" DIA | - 1'-4 5/8" | 10'-9 3/8" | 12'-2" | |
| 2.43VT66RT | 94 | 51 | 84 | 84.6 | 84.6 | 6.79 | 91.4 | 91.4 | 3" DIA | 0'-0" | 11'-2" | 11'-2" | |
| 2.440VT66RT | 95 | 51 | 84 | 92.2 | 101.5 | 6.79 | 99.0 | 108.3 | 3" DIA | - 1'-2 5/8" | 12'-2" | 13'-4 5/8" | |
| 2.665VT66LT | 98 | 36 | 84 | 76.5 | 79.9 | 6.79 | 83.3 | 86.7 | 3" DIA | - 0'-5 7/16" | 10'-1 1/8" | 10'-6 9/16" | |
| 2.670VT66RT | 98 | 48 | 84 | 78.6 | 81.2 | 6.79 | 85.4 | 88.0 | 3" DIA | - 0'-4 1/8" | 10'-4 1/2" | 10'-8 5/8" | |
| 0.071RAMP | 99 | 102 | 84 | 119.5 | 123.8 | 6.79 | 126.3 | 130.6 | 3" DIA | - 0'-6 3/4" | 15'-9 3/16" | 16'-3 15/16" | |
| 0.099RAMP | 99 | 36 | 84 | 78.7 | 88.2 | 6.79 | 85.5 | 95.0 | 3" DIA | - 1'-3 1/16" | 10'-4 5/8" | 11'-7 11/16" | |
| 0.127RAMP-1 | 99 | 72 | 84 | 101.5 | 109.1 | 6.79 | 108.3 | 115.9 | 3" DIA | - 1'-0" | 13'-4 3/4" | 14'-4 3/4" | |
| 0.127RAMP-2 | 99 | 50 | 84 | 91.0 | 95.8 | 6.79 | 97.8 | 102.6 | 3" DIA | - 0'-7 5/8" | 12'-0" | 12'-7 5/8" | |
| 0.146RAMP | 100 | 102 | 84 | 114.9 | 116.0 | 6.79 | 121.7 | 122.8 | 3" DIA | - 0'-1 3/4" | 15'-1 7/8" | 15'-3 5/8" | |
| INT5 0.040RAMP | 100 | 72 | 84 | 101.2 | 108.0 | 6.79 | 108.0 | 114.8 | 3" DIA | - 0'-10 3/4" | 13'-4 1/4" | 14'-3" | |
| 0.138RAMP-1 | 101 | 72 | 84 | 101.9 | 109.0 | 6.79 | 108.6 | 115.8 | 3" DIA | - 0'-11 3/8" | 13'-5 1/4" | 14'-4 5/8" | |
| 0.138RAMP-2 | 101 | 50 | 84 | 89.0 | 98.3 | 6.79 | 95.8 | 105.1 | 3" DIA | - 1'-2 3/4" | 11'-8 7/8" | 12'-11 5/8" | |
| 0.158RAMP | 102 | 102 | 84 | 122.6 | 134.0 | 6.79 | 129.4 | 140.8 | 3" DIA | - 1'-6 1/8" | 16'-2 1/16" | 17'-8 3/16" | |
| 0.160VT64RT | 103 | 48 | 84 | 91.4 | 92.9 | 6.79 | 98.2 | 99.6 | 3" DIA | - 0'-2 5/16" | 12'-11/16" | 12'-3" | |
| 0.200VT64RT | 103 | 51 | 84 | 85.6 | 89.4 | 6.79 | 92.4 | 96.2 | 3" DIA | - 0'-5 15/16" | 11'-3 9/16" | 11'-9 1/2" | |
| 0.270VT64RT | 104 | 51 | 84 | 88.2 | 95.4 | 6.79 | 95.0 | 102.2 | 3" DIA | - 0'-11 3/8" | 11'-7 5/8" | 12'-7" | |
| 0.310VT64RT | 105 | 51 | 84 | 89.0 | 91.7 | 6.79 | 95.8 | 98.5 | 3" DIA | - 0'-4 1/4" | 11'-8 7/8" | 12'-1 1/8" | |
| 0.495VT64RT | 107 | 48 | 84 | 94.0 | 105.6 | 6.79 | 100.8 | 112.4 | 3" DIA | - 1'-6 7/16" | 12'-4 3/4" | 13'-11 3/16" | |
| 0.150RAMP | 108 | 60 | 84 | 94.4 | NA | 6.79 | 101.2 | NA | 3" DIA | NA | 12'-5 1/2" | NA | |
| 0.050VT63LT | 109 | 72 | 84 | 101.0 | 105.1 | 6.79 | 107.8 | 111.9 | 3" DIA | - 0'-6 1/2" | 13'-3 15/16" | 13'-10 7/16" | |
| 0.205VT63LT | 110 | 51 | 84 | 91.9 | 99.6 | 6.79 | 98.7 | 106.4 | 3" DIA | - 1'-5/16" | 12'-1 7/16" | 13'-1 3/4" | |
| 0.240VT63LT | 110 | 36 | 84 | 75.9 | 81.9 | 6.79 | 82.7 | 88.7 | 3" DIA | - 0'-9 1/2" | 10'-1/8" | 10'-9 5/8" | |
| 0.252VT63RT | 110 | 60 | 84 | 94.5 | NA | 6.79 | 101.3 | NA | 3" DIA | NA | 12'-5 11/16" | NA | |
| 0.380VT62RT | 114 | 51 | 84 | 91.3 | 95.5 | 6.79 | 98.1 | 102.3 | 3" DIA | - 0'-6 3/4" | 12'-1/2" | 12'-7 1/4" | |
| 0.477VT62LT | 115 | 51 | 84 | 88.2 | 92.6 | 6.79 | 95.0 | 99.4 | 3" DIA | - 0'-5 7/8" | 11'-7 11/16" | 12'-2 9/16" | |
| INT80.050RAMP | 116 | 72 | 84 | 98.5 | 103.6 | 6.79 | 105.3 | 110.4 | 3" DIA | - 0'-8" | 13'-0" | 13'-6" | |
| 0.080MSHLT | 117 | 72 | 84 | 105.3 | 108.8 | 6.79 | 112.1 | 115.6 | 3" DIA | - 0'-5 1/2" | 13'-10 3/4" | 14'-4 1/4" | |
| 0.250MSHLT | 118 | 51 | 84 | 88.4 | 103.6 | 6.79 | 95.1 | 110.3 | 3" DIA | - 2'-1/16" | 11'-7 7/8" | 13'-7 15/16" | |
| 0.076RAMP | 120 | 51 | 84 | 91.0 | 95.1 | 6.79 | 97.8 | 101.9 | 3" DIA | - 0'-6 9/16" | 12'-1/16" | 12'-6 5/8" | |
| 0.105 RAMP | 120 | 58 | 84 | 97.8 | 98.2 | 6.79 | 104.5 | 105.0 | 3" DIA | - 0'-11/16" | 12'-10 3/4" | 12'-11 7/16" | |
| INT90.030RAMP | 121 | 72 | 84 | 96.3 | 102.1 | 6.79 | 103.0 | 108.8 | 3" DIA | - 0'-9 3/16" | 12'-8 3/8" | 13'-5 9/16" | |
| 0.072RAMP | 121 | 51 | 84 | 102.8 | 102.8 | 6.79 | 109.6 | 109.6 | 3" DIA | 0'-0" | 13'-6 11/16" | 13'-6 11/16" | |
| 0.110 RAMP | 121 | 34 | 84 | 92.0 | 97.9 | 6.79 | 98.8 | 104.7 | 3" DIA | - 0'-9 3/8" | 12'-1 11/16" | 12'-11 1/16" | |
| 0.050MSHRT | 123 | 51 | 84 | 86.8 | 90.9 | 6.79 | 93.6 | 97.7 | 3" DIA | - 0'-6 1/2" | 11'-5 3/8" | 11'-11 7/8" | |
| 0.125MSHLT-1 | 124 | 51 | 84 | 94.3 | 97.2 | 6.79 | 101.1 | 104.0 | 3" DIA | - 0'-4 5/8" | 12'-5 5/16" | 12'-9 15/16" | |
| 0.125MSHLT-2 | 124 | 51 | 84 | 85.9 | 89.7 | 6.79 | 92.7 | 96.5 | 3" DIA | - 0'-6" | 11'-4 1/16" | 11'-10 1/16" | |
| 0.185MSHLT | 124 | 48 | 84 | 83.4 | 84.2 | 6.79 | 90.2 | 91.0 | 3" DIA | - 0'-1 1/4" | 11'-0" | 11'-1 1/4" | |
| 0.87RAMP A LT | 126 | 42 | 84 | 79.8 | 83.4 | 6.79 | 86.6 | 90.2 | 3" DIA | - 0'-5 5/8" | 10'-6 3/8" | 11'-0" | |
| 23.025NB | 54 | 108 | 72 | 160.8 | 173.3 | 6.79 | 167.6 | 180.1 | 3.5" DIA | - 1'-4 7/16" | 17'-7 9/16" | 18'-0" | |
| 23.210NB | 54 | 48 | 84 | 136.6 | 172.2 | 6.79 | 143.4 | 179.0 | 3.5" DIA | - 3'-10 13/16 | 14'-11 3/4" | 16'-10 9/16" | |
| 31.715NB | 56 | 108 | 72 | 147.7 | 156.9 | 6.79 | 154.5 | 163.7 | 3.5" DIA | - 1'-1/8" | 16'-2 3/8" | 17'-2 1/2" | |
| 31.930NB | 56 | 48 | 84 | 112.7 | 125.9 | 6.79 | 119.5 | 132.7 | 3.5" DIA | - 1'-5 5/16" | 12'-4 5/16" | 13'-9 5/8" | |
| 43.540NB | 59 | 108 | 72 | 141.1 | 145.6 | 6.79 | 147.9 | 152.4 | 3.5" DIA | - 0'-6" | 15'-5 5/8" | 15'-11 5/8" | |
| 47.585NB | 61 | 108 | 72 | 144.9 | 162.3 | 6.79 | 151.7 | 169.1 | 3.5" DIA | - 1'-10 7/8" | 15'-10 11/16 | 17'-9 9/16" | |
| 50.990NB | 63 | 108 | 72 | 136.8 | 141.0 | 6.79 | 143.6 | 147.8 | 3.5" DIA | - 0'-5 1/2" | 15'-0" | 15'-5 1/2" | |
| 53.790NB | 66 | 108 | 72 | 136.8 | 141.0 | 6.79 | 143.6 | 147.8 | 3.5" DIA | - 0'-5 1/2" | 15'-0" | 15'-5 1/2" | |
| 59.265NB | 68 | 108 | 72 | 146.4 | 150.5 | 6.79 | 153.2 | 157.3 | 3.5" DIA | - 0'-5 3/8" | 16'-5/8" | 16'-6" | |
| 21.520SB | 70 | 108 | 72 | 138.2 | 147.3 | 6.79 | 145.0 | 154.1 | 3.5" DIA | - 1'-0" | 15'-1 7/8" | 16'-1 7/8" | |
| 29.900SB | 72 | 36 | 84 | 97.2 | 104.6 | 6.79 | 104.0 | 111.4 | 3.5" DIA | - 0'-9 3/4" | 10'-7 7/8" | 11'-5 5/8" | |
| 30.000SB | 72 | 108 | 72 | 146.0 | 151.0 | 6.79 | 152.8 | 157.8 | 3.5" DIA | - 0'-6 9/16" | 16'-1/8" | 16'-6 11/16" | |
| 38.150SB | 74 | 60 | 84 | 113.5 | 112.5 | 6.79 | 120.3 | 119.3 | 3.5" DIA | 0'-1 3/8" | 12'-5 3/8" | 12'-4" | |
| 41.840SB | 74 | 36 | 84 | 106.9 | 138.9 | 6.79 | 113.7 | 145.7 | 3.5" DIA | - 3'-6 1/8" | 11'-8 5/8" | 15'-2 3/4" | |
| 42.055SB | 74 | 108 | 72 | 144.9 | 163.5 | 6.79 | 151.7 | 170.3 | 3.5" DIA | - 2'-1/2" | 15'-10 11/16 | 17'-11 3/16" | |
| 45.945SB | 76 | 36 | 84 | 104.6 | 124.6 | 6.79 | 111.4 | 131.4 | 3.

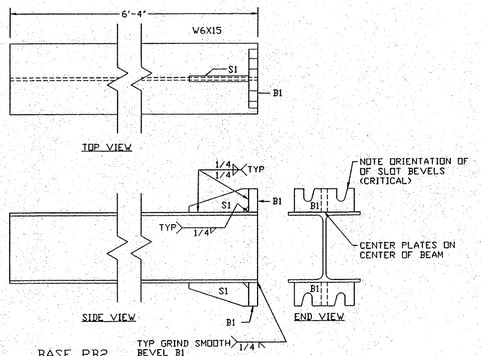


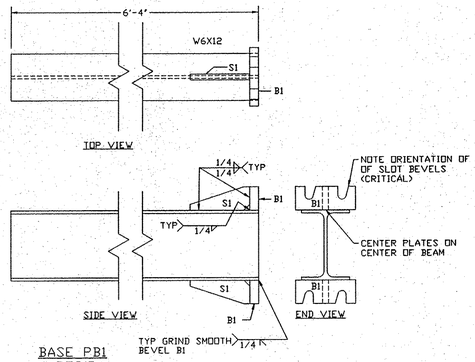

## PARTS

| PIECE | QUANTITY | ITEM | WEIGHT EA. |
|---|---|---|---|
| B1 | 288 | PL3/4" | 1.79 LBS |
| B2 | 216 | PL1" | 3.29 LBS |
| S1 | 288 | PL1/2" | 0.92 LBS |
| S2 | 216 | PL3/4" | 1.82 LBS |
| F1 | 4 | PL1/4" | 0.94 LBS |
| F2 | 14 | PL3/8" | 2.58 LBS |
| F3 | 36 | PL3/8" | 2.23 LBS |
| F4 | 54 | PL1/2" | 3.14 LBS |
| F5 | 18 | PL1/2" | 3.89 LBS |
| B3 | 612 | PL5/8" | 6.79 LBS |
| B4 | 28 | PL7/8" | 14.79 LBS |
| S3 | 30 | PL3/8" | 0.20 LBS |
| W6X12 | 4 | 6'-4" | 76 LBS |
| W6X15 | 14 | 6'-4" | 95 LBS |
| W8X18 | 34 | 6'-4" | 114 LBS |
| W8X18 | 2 | 8'-4" | 150 LBS |
| W8X21 | 53 | 6'-4" | 133 LBS |
| W8X21 | 1 | 8'-4" | 175 LBS |
| W10X22 | 12 | 6'-4" | 139.33 LBS |
| W10X22 | 2 | 8'-4" | 183.33 LBS |
| W10X26 | 4 | 6'-4" | 164.66 LBS |
| HSS 3.500X0.216 | 258 | 6'-3" | 47.38 LBS |
| PIPE 3 1/2" STD | 48 | 6'-3" | 57 LBS |
| PIPE 4" STD | 4 | 6'-3" | 67.5 LBS |
| PIPE 5" STD | 10 | 6'-3" | 91.25 LBS |

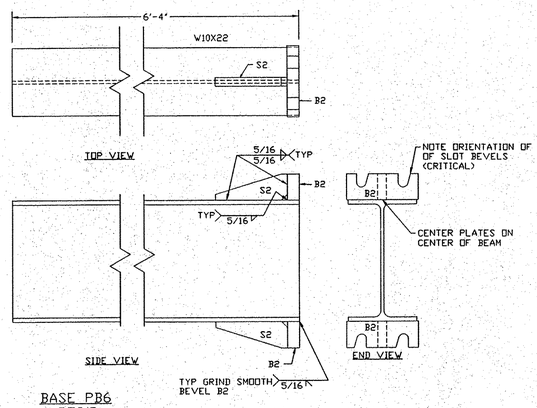
NOTE: ALL W-SHAPES AASHTO M270 GR. 36 OR 50
NOTE: ALL PLATES AASHTO M270 GR. 36 OR 50
NOTE: ALL ROUND HSS SHAPES ASTM A500 GR. B
NOTE: ALL PIPE SHAPES ASTM A53 GR. B



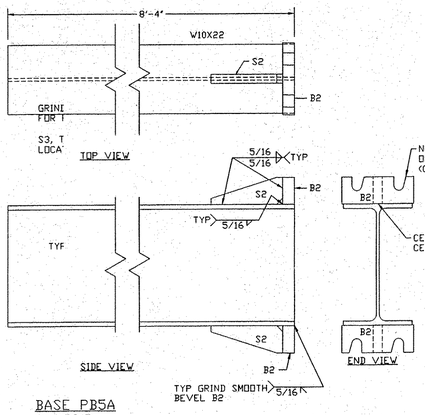

BASE PB2
14 REQ'D
W6x15



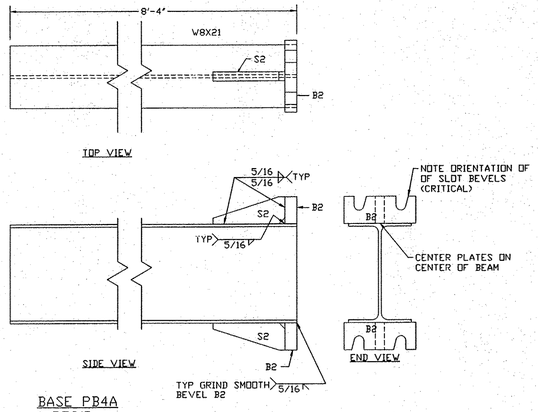

BASE PB1
4 REQ'D
W6x12



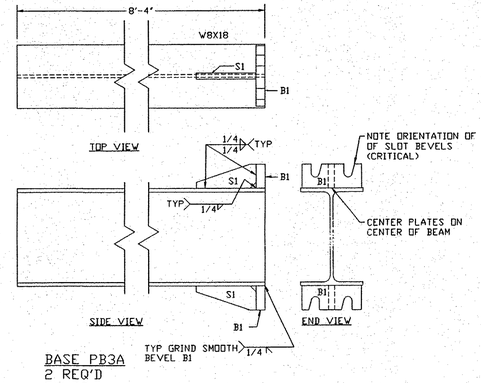

BASE PB6
4 REQ'D
W10x26



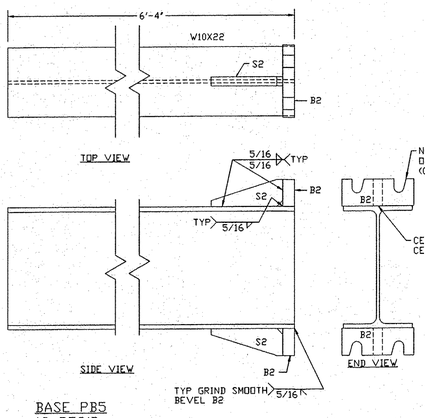

BASE PB5A
2 REQ'D
W10x22



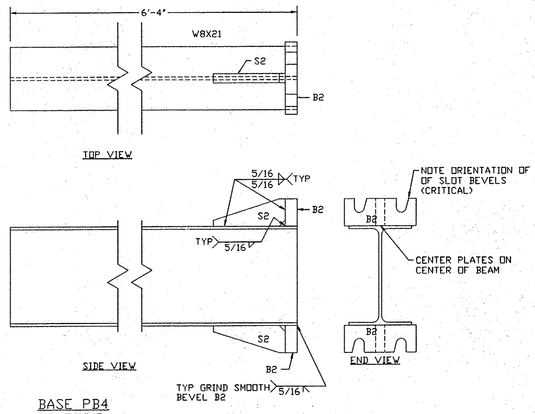

BASE PB4A
1 REQ'D
W8x21



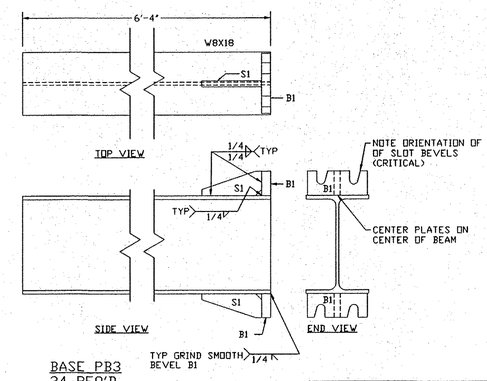

BASE PB3A
2 REQ'D
W8x18




BASE PB5
12 REQ'D
W10x22




BASE PB4
53 REQ'D
W8x21




BASE PB3
34 REQ'D
W8x18

PB1: 4 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B1 | 2 | PL3/4" | 1.79 LBS | 3.58 LBS |
| S1 | 2 | PL1/2" | 0.92 LBS | 1.84 LBS |
| W6x12 | 1 | W6x12 | 76 LBS | 76 LBS |
| | | | | 81.42 LBS EA. |

BOLTS:
4- 5/8"X 3 1/2" A325 MG BOLTS

PB2: 14 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B1 | 2 | PL3/4" | 1.79 LBS | 3.58 LBS |
| S1 | 2 | PL1/2" | 0.92 LBS | 1.84 LBS |
| W6x15 | 1 | W6x15 | 95 LBS | 95 LBS |
| | | | | 100.42 LBS EA. |

BOLTS:
4- 5/8"X 3 1/2" A325 MG BOLTS

PB3: 34 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B1 | 2 | PL3/4" | 1.79 LBS | 3.58 LBS |
| S1 | 2 | PL1/2" | 0.92 LBS | 1.84 LBS |
| W8x18 | 1 | W8x18 | 114 LBS | 114 LBS |
| | | | | 119.42 LBS EA. |

BOLTS:
4- 5/8"X 3 1/2" A325 MG BOLTS

PB3A: 2 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B1 | 2 | PL3/4" | 1.79 LBS | 3.58 LBS |
| S1 | 2 | PL1/2" | 0.92 LBS | 1.84 LBS |
| W8x18 | 1 | W8x18 | 150 LBS | 150 LBS |
| | | | | 155.42 LBS EA. |

BOLTS:
4- 5/8"X 3 1/2" A325 MG BOLTS

PB4: 53 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B2 | 2 | PL1" | 3.29 LBS | 6.58 LBS |
| S2 | 2 | PL3/4" | 1.82 LBS | 3.64 LBS |
| W8x21 | 1 | W8x21 | 133 LBS | 133 LBS |
| | | | | 143.22 LBS EA. |

BOLTS:
4- 3/4"X 4 1/2" A325 MG BOLTS

PB4A: 1 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B2 | 2 | PL1" | 3.29 LBS | 6.58 LBS |
| S2 | 2 | PL3/4" | 1.82 LBS | 3.64 LBS |
| W8x21 | 1 | W8x21 | 175 LBS | 175 LBS |
| | | | | 185.22 LBS EA. |

BOLTS:
4- 3/4"X 4 1/2" A325 MG BOLTS

PB5: 12 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B2 | 2 | PL1" | 3.29 LBS | 6.58 LBS |
| S2 | 2 | PL3/4" | 1.82 LBS | 3.64 LBS |
| W10x22 | 1 | W10x22 | 139.33 LBS | 139.33 LBS |
| | | | | 149.55 LBS EA. |

BOLTS:
4- 3/4"X 4 1/2" A325 MG BOLTS

PB5A: 2 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B2 | 2 | PL1" | 3.29 LBS | 6.58 LBS |
| S2 | 2 | PL3/4" | 1.82 LBS | 3.64 LBS |
| W10x22 | 1 | W10x22 | 183.33 LBS | 183.33 LBS |
| | | | | 193.55 LBS EA. |

BOLTS:
4- 3/4"X 4 1/2" A325 MG BOLTS

PB6: 4 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B2 | 2 | PL1" | 3.29 LBS | 6.58 LBS |
| S2 | 2 | PL3/4" | 1.82 LBS | 3.64 LBS |
| W10x26 | 1 | W10x26 | 164.66 LBS | 164.66 LBS |
| | | | | 174.88 LBS EA. |

BOLTS:
4- 3/4"X 4 1/2" A325 MG BOLTS

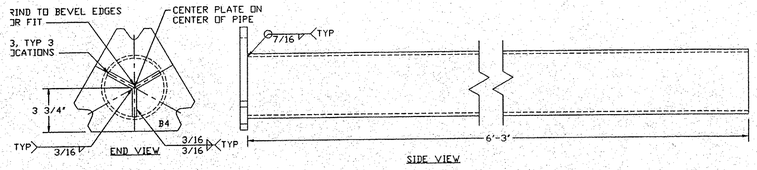
| REVISION 1 | 2/23/10 | PB10 |
|---|---|---|

CCS CONSTRUCTORS, LLC
138 MUNSON AVE.
MORRISVILLE, VT 05661
PH. 802-888-7701
FX. 802-888-4746

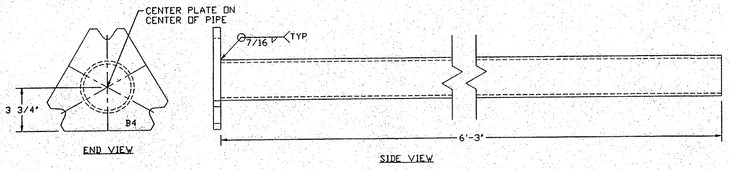
| PROJECT NAME | PROJECT NO. |
|---|---|
| ROYALTON-MIDDLESEX | IMG SIGN(19) |
| PARTS, W BASES | DRAWING NO. 1 of 2 |
| SCALE 1"=1" / DATE 2/23/10 | |
| DRAWN: EB | SUPERVISOR: AW |

FINISH:
GALVANIZE TO AASHTO M111

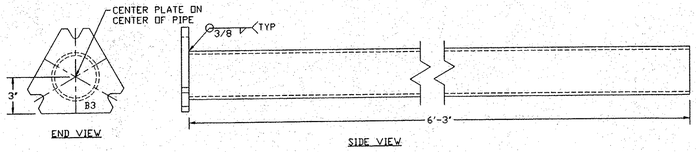
TOWNS: ROYALTON, BETHEL, RANDOLF
NORTHFIELD, BARRE, MONTPELIER, MIDDLESEX



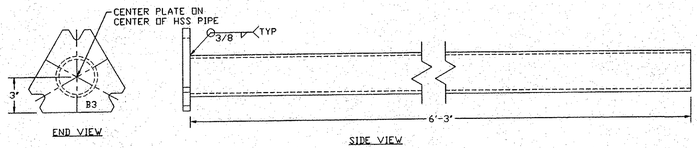

BASE PB10
48 REQ'D
PIPE5" STD.




BASE PB9
48 REQ'D
PIPE4" STD.




BASE PB8
48 REQ'D
PIPE3 1/2" STD.




BASE PB7
258 REQ'D
HSS3.500X0.216

PB7: 258 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B3 | 1 | PL5/8" | 6.79 LBS | 6.79 LBS |
| HSS 3.500X0.216 | 1 | - | 47.38 LBS | 47.38 LBS |
| | | | | 54.17 LBS |

BOLTS:
3- 5/8"X 3 1/4" A325 MG BOLTS

PB8: 48 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B3 | 1 | PL5/8" | 6.79 LBS | 6.79 LBS |
| PIPE 3 1/2" STD | 1 | - | 57 LBS | 57 LBS |
| | | | | 63.79 LBS |

BOLTS:
3- 5/8"X 3 1/4" A325 MG BOLTS

PB9: 4 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| B4 | 1 | PL7/8" | 1.79 LBS | 14.79 LBS |
| PIPE 4" STD | 1 | - | 67.5 LBS | 67.5 LBS |
| | | | | 82.29 LBS |

BOLTS:
3- 3/4"X 3 3/4" A325 MG BOLTS

PB10: 10 REQ'D

| PIECE | QUANTITY | ITEM | WEIGHT EA. | TOTAL WT. |
|---|---|---|---|---|
| S3 | 3 | PL3/8" | 0.20 LBS | 0.60 LBS |
| B4 | 1 | PL7/8" | 1.79 LBS | 14.79 LBS |
| PIPE 5" STD | 1 | - | 91.25 LBS | 91.25 LBS |
| | | | | 106.64 LBS |

BOLTS:
3- 3/4"X 3 3/4" A325 MG BOLTS

Received
2/26/10

| | | | |
|---|---|---|---|
| | REVISION 1 | 2/23/10 | PB10 |
| CCS CONSTRUCTORS, LLC<br>138 MUNSON AVE.<br>MORRISVILLE, VT 05661<br>PH. 802-888-7701<br>FX. 802-888-4746 | PROJECT NAME<br>ROYALTON-MIDDLESEX | | PROJECT NO.<br>IMG SIGN(19) |
| | HSS AND PIPE BASES | | DRAWING NO.<br>2 of 2 |
| | SCALE 1"=1' | DATE 2/23/10 | |
| FINISH:<br>GALVANIZE TO AASHTO M111 | DRAWN: EB | | SUPERVISOR: AW |
| | TOWNS: ROYALTON, BETHEL, RANDOLF<br>NORTHFIELD, BARRE, MONTPELIER, MIDDLESEX | | |