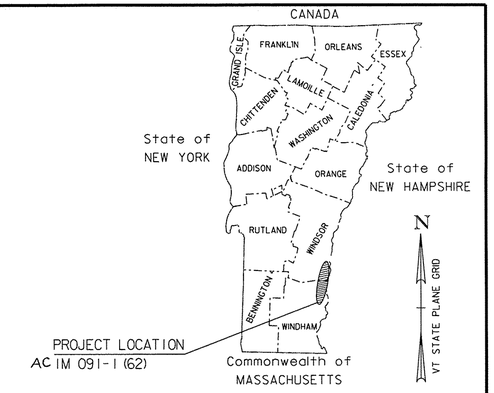
INDEX OF SHEETS

SEE SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC DATA

LOCATION	AADT			DHV		ESALS	
	2008	2018	2028	2008	2018	20108-2018	2008-2018
US 5							
BEGIN PROJECT TO EXIT 6	6800	8100	9300	1100	1300	3,337,000	9,106,000
EXIT 6 TO EXIT 7	7000	8100	9400	1100	1300	6,380,000	17,124,000
EXIT 7 TO END OF PROJECT	6000	7000	8000	960	1100	3,766,000	10,358,000



PROPOSED IMPROVEMENT

TOWNS OF WESTMINSTER, ROCKINGHAM & SPRINGFIELD
COUNTIES OF WINDHAM & WINDSOR
INTERSTATE ROUTE 91 NB

BEGINNING ON INTERSTATE 91NB IN WESTMINSTER AT STATION 1583+74.00 (MM 29.995) AND EXTENDING NORTHERLY ALONG INTERSTATE 91NB A DISTANCE OF 78,724.40 FEET (14.910 MILES) TO STATION 2370+98.40 (MM 44.905) IN SPRINGFIELD.

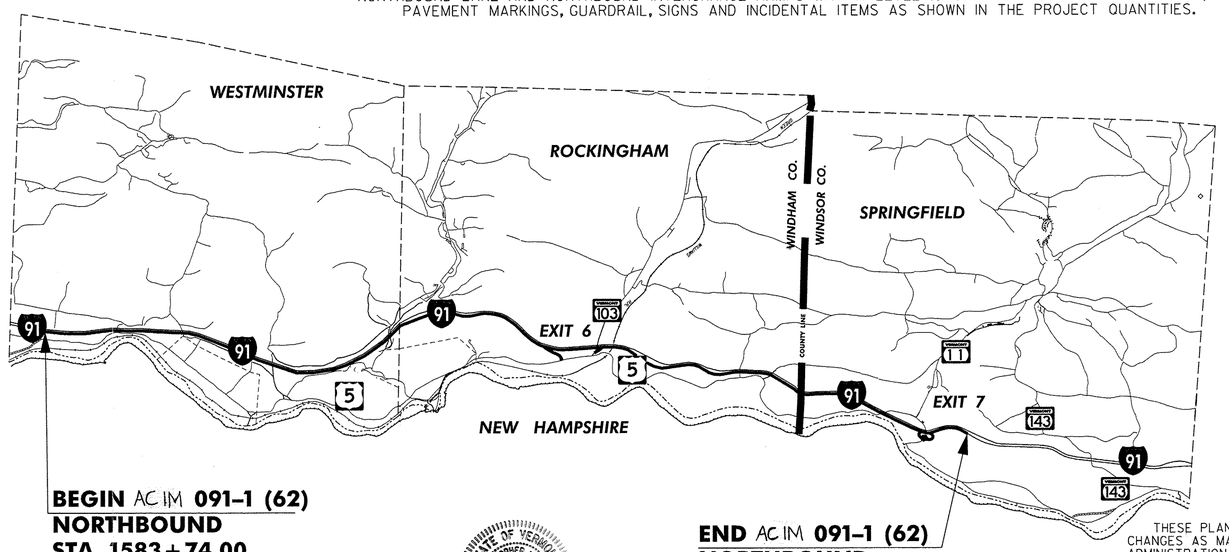
BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
	I-91 NB
DESIGN LANE/DESIGN LIFE ESAL	17,124,000
DESIGN NUMBER OF GYRATIONS	80
PERFORMANCE GRADED ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS

PROJECT DATA

FROM	TO
1583+74.00 (MM 29.995)	2370+98.40 (MM 44.905)

LENGTH OF ROADWAY = 14.910 MILES (78,724.40 FEET)
LENGTH OF PROJECT = 14.910 MILES (78,724.40 FEET)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE NORTHBOUND LANE AND NORTHBOUND INTERCHANGE RAMPS WITH A LEVELING COURSE AND A WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND INCIDENTAL ITEMS AS SHOWN IN THE PROJECT QUANTITIES.



BEGIN AC IM **091-1 (62)**
NORTHBOUND
STA 1583+74.00
(MM 29.995)

END AC IM **091-1 (62)**
NORTHBOUND
STA 2370+98.40
(MM 44.905)

SCALE IN MILES 1 0 1 2

RECORD PLANS

CONTRACTOR: KUBRICKY CONSTURCTION CORP.- GLENS FALLS, NY
RESIDENT ENGINEER: GERALD (BUTCH) COLBY
CONSTRUCTION BEGAN: JULY 27, 2010
CONSTRUCTION COMPLETE: AUGUST 19, 2011
RECORD PLANS BY: GERALD COLBY & JENNA HYDE

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

BY _____ RESIDENT ENGINEER

DATE 4/4/13

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.

CONSULTING ENGINEERS
540 Commercial Street
Manchester, NH 03101
Tel: (603) 668-8223
Fax: (603) 668-8802
email: cld@cldengineers.com
Maine • New Hampshire • Vermont

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

MODEL: Default
CLD 09-0176 z01A014.dgn

RECEIVED
Aug 3 5 2010

STATE OF VERMONT CHRISTOPHER R. KILEY No. 6526 REGISTERED PROFESSIONAL ENGINEER

UNLESS OTHERWISE NOTED, ALL DRAWING AND DETAILS ON THE PLANS ARE DRAWN 'NOT TO SCALE'.

RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY OTHER PURPOSES.

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.

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED Mark D Rektenwald DATE 5-4-10

DIRECTOR OF PROJECT DEVELOPMENT
APPROVED Richard Hustead DATE 3/21/10

PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: ACIM091-1(62)

SHEET 1 OF 43 SHEETS

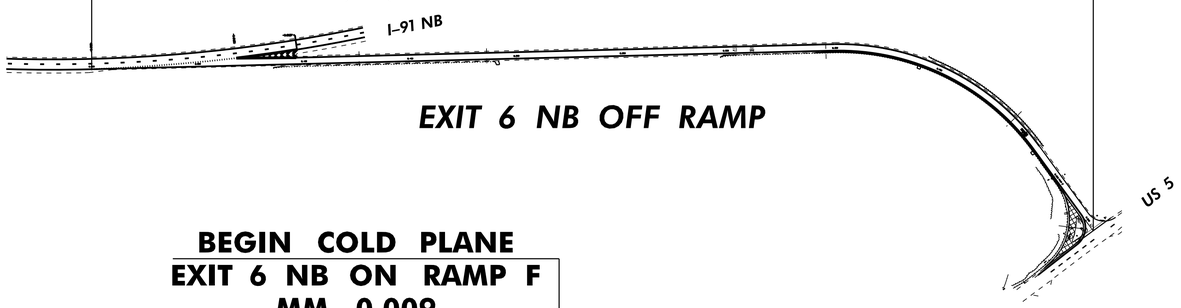
INDEX OF STANDARD PLANS

STD	DATE	DESCRIPTION
C-10	2/11/2008	CURBING
D-9	6/1/1994	REINFORCED CONCRETE DROP INLET TOPS - VERTICAL CURB & THROAT ADAPTER
D-15	6/1/1994	PRECAST REINF. CONC. CATCH BASIN W/CAST IRON GRATE, PRECAST REINF. CONC. MANHOLE W/ CAST IRON COVER, CAST IRON GRATE WITH FRAME, TYPE D - CAST IRON GRATE WITH FRAME, TYPE E
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-105	5/1/2004	TRAFFIC CONTROL FOR CONSTRUCTION VEHICLE U-TURNS ON DIVIDED HIGHWAY
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-108	6/8/2009	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS
E-110	8/8/1995	MAJOR MAINTENANCE OPERATION LANE CLOSURE
E-111	3/11/1997	MINOR MAINTENANCE OPERATION
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-139	5/1/2004	MILEMARKER DETAILS - INTERSTATE
E-142	9/20/1995	REGULATORY SIGN DETAILS
E-143	6/15/2004	REGULATORY SIGN DETAILS
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-155	5/1/2004	WARNING SIGN DETAILS
E-164	6/8/2009	SQUARE STEEL SIGN POST
E-191	2/1/1999	PAVEMENT MARKING DETAILS
E-192	10/12/2000	PAVEMENT MARKING DETAILS
E-193	8/18/1995	PAVEMENT MARKING DETAILS
E-197	4/1/2005	DELINEATOR PLACEMENT TYPICAL
E-198	4/1/2005	FREEWAY-EXPRESSWAY DELINEATORS AND MILEPOSTS
E-199	4/1/2005	FREEWAY-EXPRESSWAY DELINEATOR AND MILEPOST MOUNTING ON BRIDGE RAIL
F-2	6/1/1994	CHAIN LINK FENCE, TYPE I - DRIVE GATE FOR CHAIN LINK FENCE, TYPE I - WALK GATE FOR CHAIN LINK FENCE, TYPE I
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-16	6/1/1994	STEEL BEAM GUARDRAIL ATTACHMENTS TO EXISTING BRIDGE, TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL
G-19	11/15/2002	GENERIC PLANS FOR GUARDRAIL END TERMINALS
SB-R4B-82	3/30/1988	GUARD RAIL APPROACH SECTION, TYPE I & II
ESFM	7/10/1997	PERMANENT SNOW FENCE

INDEX OF SHEETS

BEGIN COLD PLANE
EXIT 6 NB OFF RAMP A
MM 0.000
IM 091–1 (62)

END COLD PLANE
EXIT 6 NB OFF RAMP A
MM 0.506
IM 091–1 (62)

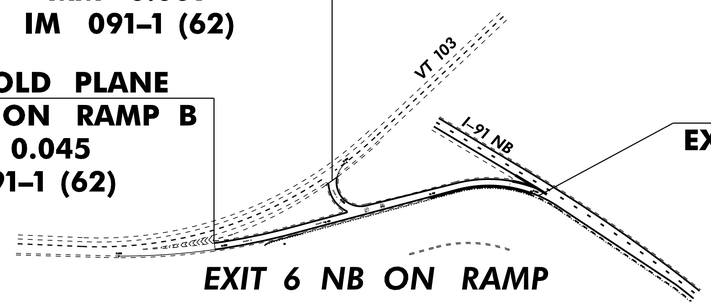


EXIT 6 NB OFF RAMP

BEGIN COLD PLANE
EXIT 6 NB ON RAMP F
MM 0.009
IM 091–1 (62)

BEGIN COLD PLANE
EXIT 6 NB ON RAMP B
MM 0.045
IM 091–1 (62)

END COLD PLANE
EXIT 6 NB ON RAMP B
MM 0.211
IM 091–1 (62)



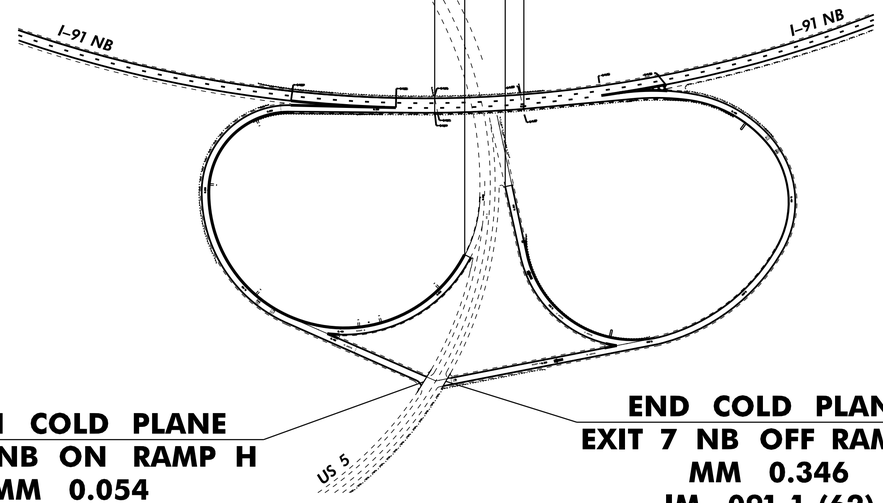
EXIT 6 NB ON RAMP

BEGIN COLD PLANE
EXIT 7 NB ON RAMP D
MM 0.028
IM 091–1 (62)

END COLD PLANE
EXIT 7 NB ON RAMP D
MM 0.327
IM 091–1 (62)

END COLD PLANE
EXIT 7 NB OFF RAMP C
MM 0.360
IM 091–1 (62)

BEGIN COLD PLANE
EXIT 7 NB OFF RAMP C
MM 0.000
IM 091–1 (62)



BEGIN COLD PLANE
EXIT 7 NB ON RAMP H
MM 0.054
IM 091–1 (62)

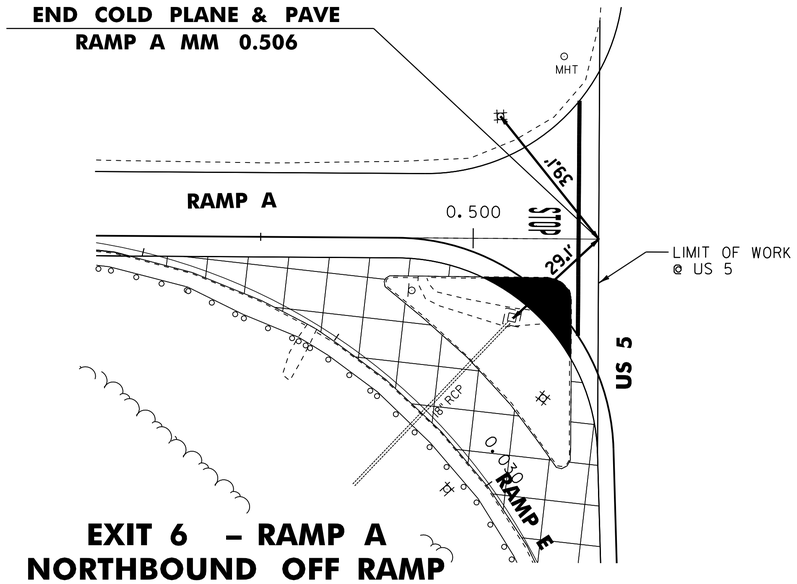
END COLD PLANE
EXIT 7 NB OFF RAMP G
MM 0.346
IM 091–1 (62)

EXIT 7 NB ON/OFF RAMPS

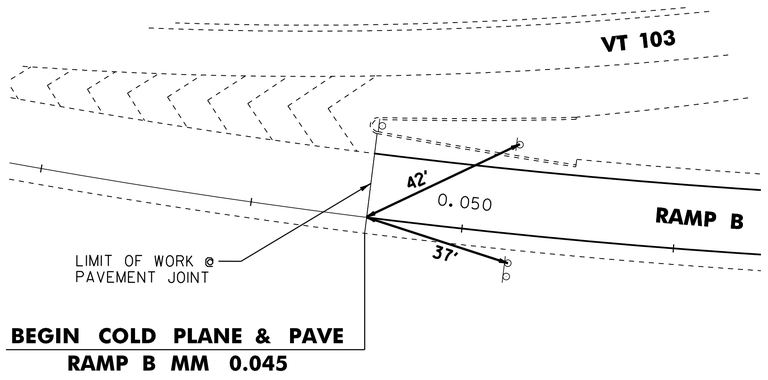
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_02

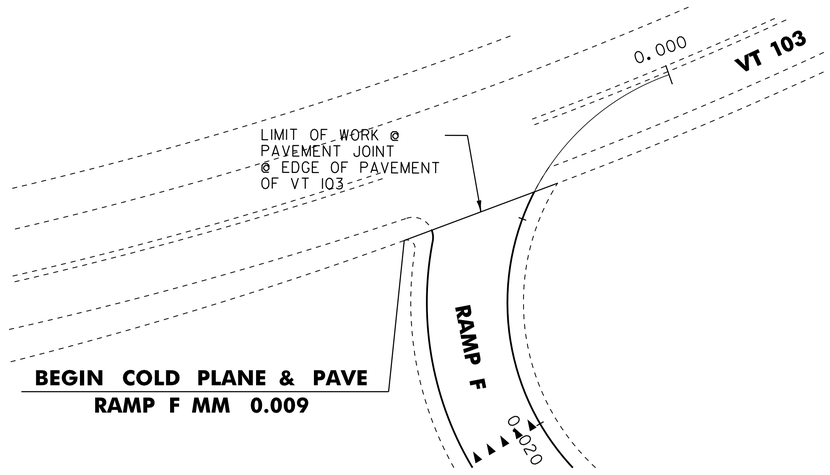
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 2 OF 43



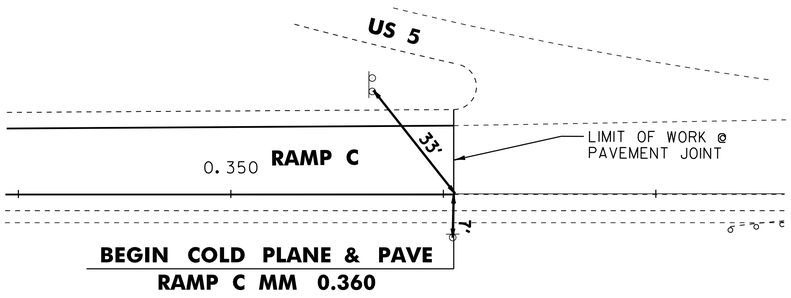
EXIT 6 – RAMP A
NORTHBOUND OFF RAMP



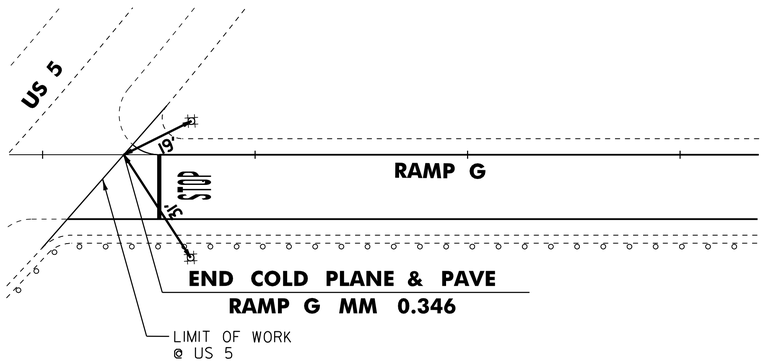
EXIT 6 – RAMP B
NORTHBOUND ON RAMP



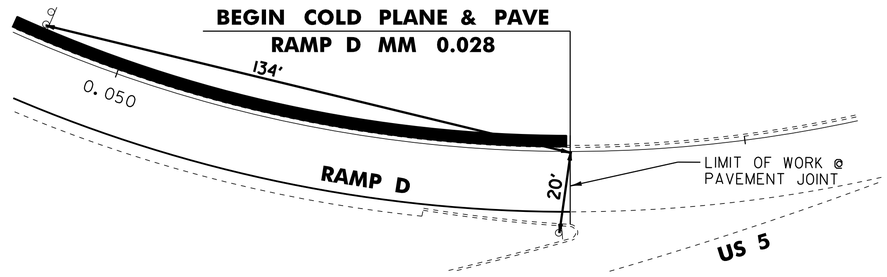
EXIT 6 – RAMP F
NORTHBOUND ON RAMP



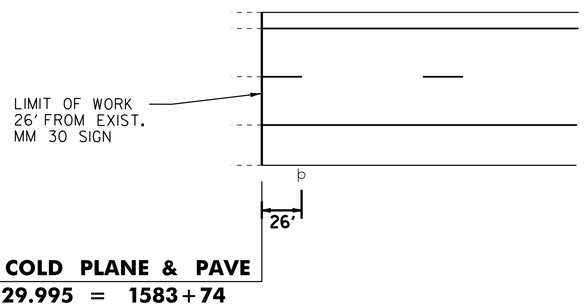
EXIT 7 – RAMP C
NORTHBOUND OFF RAMP



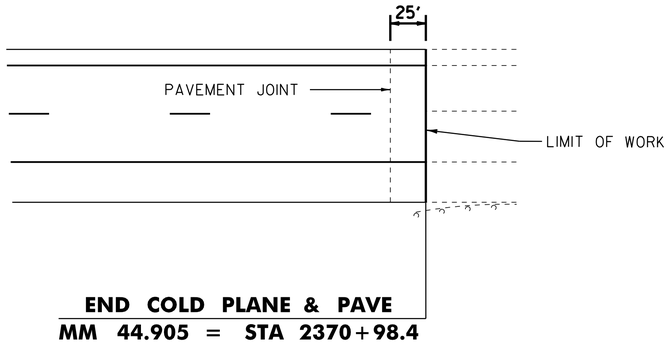
EXIT 7 – RAMP G
NORTHBOUND OFF RAMP



EXIT 7 – RAMP D
NORTHBOUND ON RAMP

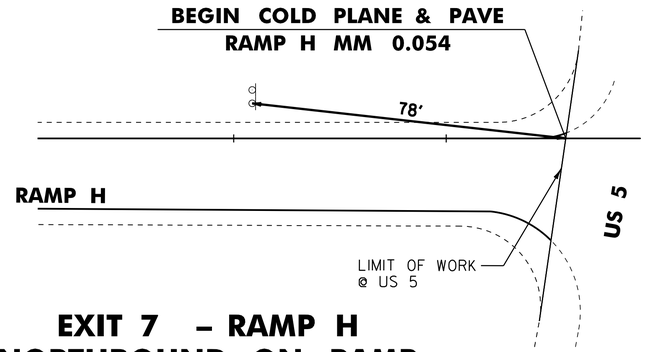


INTERSTATE 91
BEGIN IM 091–1(62)



INTERSTATE 91
END IM 091–1(62)

NOT TO SCALE



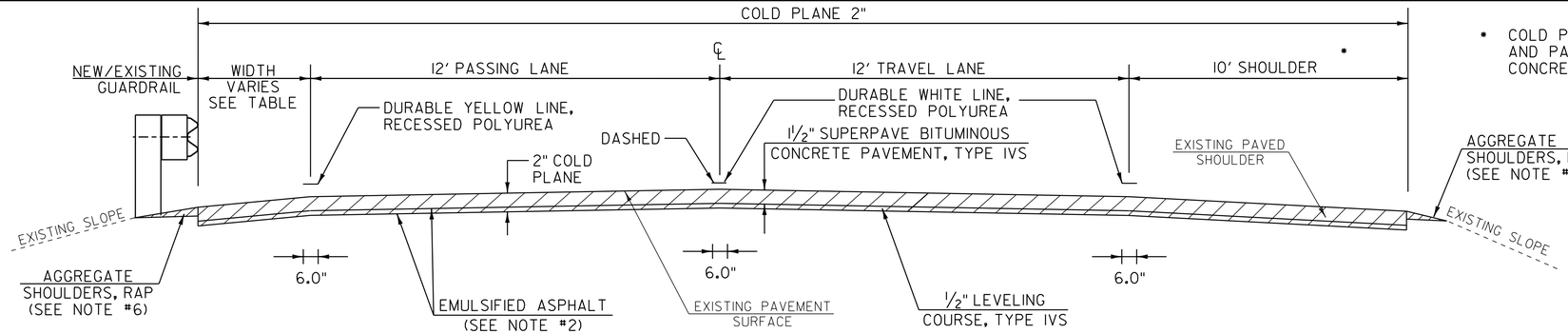
EXIT 7 – RAMP H
NORTHBOUND ON RAMP

TIE SHEET

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT LEADER: PTS	DRAWN BY: JBZ
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 01a014_03	SHEET 3 OF 43



* COLD PLANE 2" LEVEL WITH 1/2 ", TYPE IVS, AND PAVE WITH 1 1/2 " SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVS.

MAINLINE TYPICAL SECTION – NB

LOCATIONS

WESTMINSTER: 29.995 TO 31.000, 31.105 TO 31.291

ROCKINGHAM: 31.291 TO 33.641, 33.671 TO 35.196, 35.231 TO 35.425, 35.592 TO 39.188

SPRINGFIELD: 39.188 TO 40.911, 40.954 TO 41.232, 41.296 TO 41.542, 41.558 TO 41.676, 41.720 TO 44.905

PROJECT PAVING LIMITS

TOWN	BEGIN STATION	END STATION	LEFT SHOULDER	LANE TYPICAL	RIGHT SHOULDER	WEARING DEPTH	LEVELING	NOTES
I-91 NB								
WESTMINSTER	29.995	31.000	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	31.000	31.105	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 2IN
	31.105	31.291	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
ROCKINGHAM	31.291	33.641	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	33.641	33.671	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 22N
	33.671	35.196	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	35.196	35.231	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 23N
	35.231	35.425	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	35.425	35.592	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 24N
	35.592	39.188	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
SPRINGFIELD	39.188	40.911	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	40.911	40.954	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 25N
	40.954	41.232	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	41.232	41.296	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 26N
	41.296	41.542	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	41.542	41.558	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 27N
	41.558	41.676	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	41.676	41.720	3	12-12	3	1¼" IVS		COLD PLANE 1¼" AND OVERLAY 1¼", BRIDGE 28N
	41.720	44.905	4	12-12	10	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
EXIT 6								
NB OFF RAMP A	0.096	0.106	VARIES	16	3	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.106	0.340	4	16	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.340	0.345	4	16	VARIES	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.345	0.459	4	16	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.459	0.495	4	VARIES	VARIES	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP B	0.045	0.055	VARIES	16	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.055	0.108	4	16	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.108	0.137	VARIES	VARIES	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.137	0.150	4	16	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.150	0.188	4	16	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP F	0.009	0.022	4	20	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
EXIT 7								
NB OFF RAMP C	0.068	0.082	VARIES	VARIES	VARIES	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.082	0.174	4	16	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.174	0.248	4	16	3	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.248	0.270	VARIES	VARIES	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.270	0.333	4	16	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.333	0.360	4	16	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
NB OFF RAMP G	0.270	0.346	4	16	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP D	0.028	0.035	VARIES	15	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.035	0.100	3	15	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.100	0.125	4	VARIES	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
	0.125	0.258	4	16	1	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP H	0.054	0.100	4	VARIES	4	1½" IVS	½"	COLD PLANE 2", LEVEL AND OVERLAY

GENERAL NOTES

1. COLD PLANE, LEVEL AND PAVE MAINLINE AND RAMPS AS NOTED IN PROJECT PAVING LIMITS TABLE. PAVING SHALL BE COMPLETED AS SHOWN ON THE TYPICALS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH SECTION 490 OF THE GENERAL SPECIAL PROVISIONS.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4 " +/- (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
4. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL SECTION OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL RAMP APPROACHES AS NOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT .
5. ESTIMATED QUANTITIES OF ITEM 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I, 608.37, TRUCK RENTAL AND 608.40, LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES. 25 CUBIC YARDS OF EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR FLARES . THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF DITCHING MATERIAL OR ITEM 651.35, TOPSOIL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ITEM 653.20, TEMPORARY EROSION MATTING, SHALL BE PLACED ON SLOPES GREATER THE 1:6 CREATED BY THE GUARDRAIL FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL FLARE.
6. ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13, AGGREGATE SHOULDERS, RAP.
7. ITEMS 604.412, .415 AND .418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, II, & III ARE ESTIMATED AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL DROP INLETS AND CATCH BASINS SHALL BE RAISED OR REHABILITATED SUCH THAT THE GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
8. COMPACTION, GRADING AND CLEAN UP ITEM 402.13, AGGREGATE SHOULDERS, RAP AND ITEM 651.35, TOPSOIL IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
9. AREAS ADJACENT TO THE SHOULDER, WHERE GUARDRAIL IS BEING RETAINED, THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED TO ALLOW THE SHOULDER TO DRAIN. PAYMENT IS TO BE INCLUDED UNDER ITEM 203.40, SHOULDER BERM REMOVAL. ALL OTHER AREAS, AS NECESSARY, WITH BUILT UP EXCESS MATERIAL SHALL BE GRADED TO ALLOW THE SHOUIDER TO DRAIN, SHALL BE INCLUDED UNDER ITEM 608.15, POWER GRADER RENTAL.
10. ALL DELINEATORS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED. THIS WORK WILL BE PAID FOR UNDER ITEMS 676.10, DELINEATOR WITH STEEL POST AND 676.12, REMOVAL OF EXISTING DELINEATOR.
11. NO NIGHT PAVING WILL BE ALLOWED EXCEPT AS REQUIRED ON INTERCHANGES 6 AND 7.
12. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES AND EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE FEATURES ON A REGULAR BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED PRIOR TO THE COMPLETION OF THE PROJECT BY THE CONTRACTOR AT NO COST TO THE STATE.
13. WEIGH STATION/REST AREAS, INCLUDING THE RAMPS TO THESE, SHALL NOT BE TREATED.

NOT TO SCALE

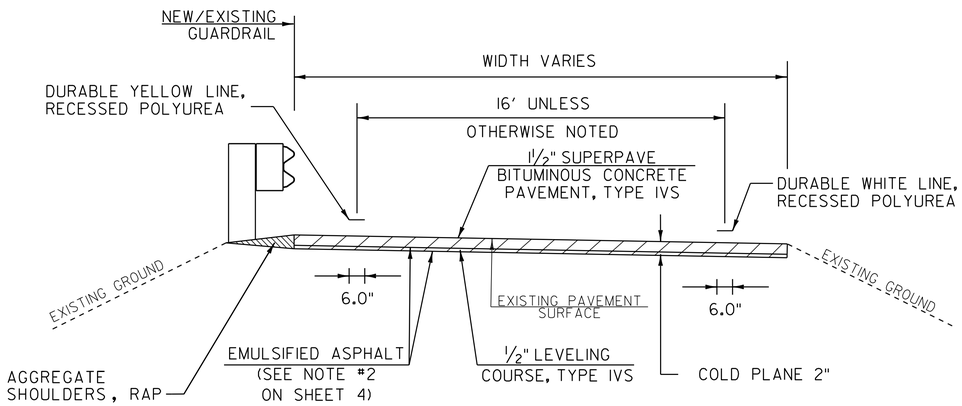
PROJECT TYPICAL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_04

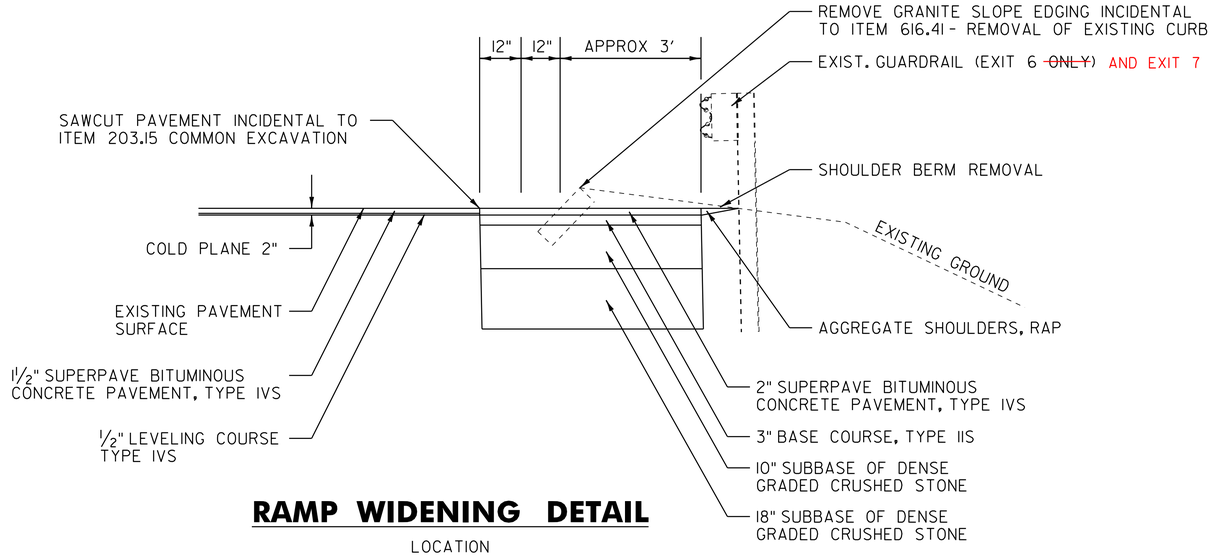
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 4 OF 43



RAMP PAVEMENT TYPICAL

LOCATION

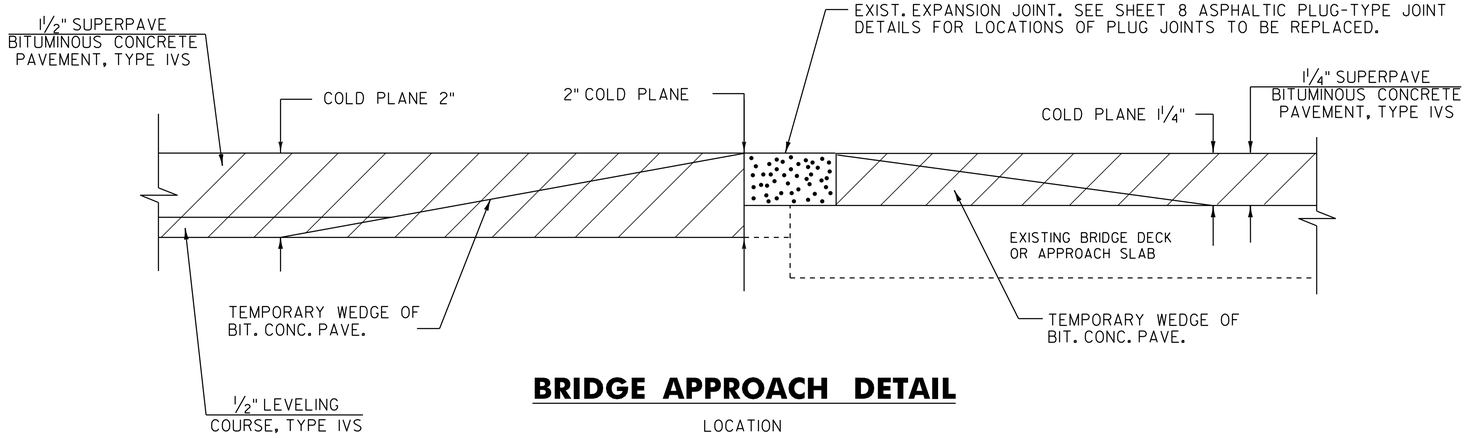
EXIT 6 NB OFF RAMP A - SEE SHEETS 20, 21, 22
EXIT 6 NB ON RAMP B - SEE SHEETS 23, 24, 25
EXIT 6 NB ON RAMP F - SEE SHEETS 24
EXIT 7 NB OFF RAMP C - SEE SHEETS 29, 30, 31
EXIT 7 NB OFF RAMP G - SEE SHEETS 30, 31
EXIT 7 NB ON RAMP D - SEE SHEETS 26, 27, 28
EXIT 7 NB ON RAMP H - SEE SHEETS 26



RAMP WIDENING DETAIL

LOCATION

EXIT 6 NB OFF RAMP - RAMP A
EXIT 6 NB ON RAMP - RAMP B
EXIT 7 NB ON RAMP - RAMP D
EXIT 7 NB OFF RAMP - RAMP C

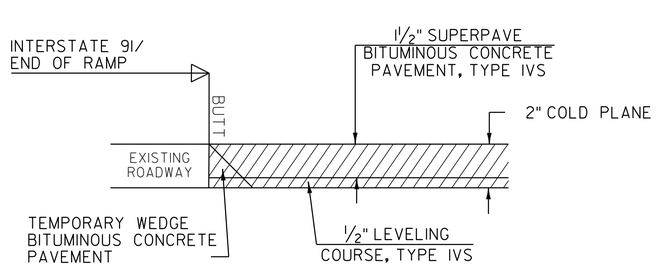


BRIDGE APPROACH DETAIL

LOCATION

WESTMINSTER: BRIDGE 21N 1637+30 (MM 31.009) (PLUG-TYPE JOINT)
BRIDGE 21N 1642+02 (MM 31.099) (PLUG-TYPE JOINT)
ROCKINGHAM: BRIDGE 22N 1776+24 (MM 33.641) (PLUG-TYPE JOINT)
BRIDGE 22N 1776+74 (MM 33.650) (PLUG-TYPE JOINT)
BRIDGE 22N 1777+24 (MM 33.660) (PLUG-TYPE JOINT)
BRIDGE 22N 1777+72 (MM 33.669) (PLUG-TYPE JOINT)
BRIDGE 23N 1858+35 (MM 35.196) (PLUG-TYPE JOINT)
BRIDGE 23N 1858+98 (MM 35.208) (PLUG-TYPE JOINT)
BRIDGE 23N 1859+61 (MM 35.220) (PLUG-TYPE JOINT)
BRIDGE 23N 1860+26 (MM 35.232) (PLUG-TYPE JOINT)
BRIDGE 24N 1870+24 (MM 35.421) (PLUG-TYPE JOINT)
BRIDGE 24N 1870+44 (MM 35.444) ~~(PLUG-TYPE JOINT)~~ } STREEL FINDER PLATE JOINT
BRIDGE 24N 1879+46 (MM 35.596) ~~(PLUG-TYPE JOINT)~~
BRIDGE 24N 1879+26 (MM 35.592) (PLUG-TYPE JOINT)
BRIDGE 25N 2160+10 (MM 40.911) (FINGER PLATE JOINT)
BRIDGE 25N 2162+37 (MM 40.954) (FINGER PLATE JOINT)

SPRINGFIELD: BRIDGE 26N 2177+17 (MM 41.234) (PLUG-TYPE JOINT)
BRIDGE 26N 2178+73 (MM 41.264) ~~(PLUG-TYPE JOINT)~~ STEEL FINGER PLATE JOINT
BRIDGE 26N 2180+29 (MM 41.293) (PLUG-TYPE JOINT)
BRIDGE 27N 2193+26 (MM 41.539) (PLUG-TYPE JOINT)
BRIDGE 27N 2194+26 (MM 41.558) (PLUG-TYPE JOINT)
BRIDGE 28N 2200+50 (MM 41.676) (FINGER PLATE JOINT)
BRIDGE 28N 2202+80 (MM 41.720) (FINGER PLATE JOINT)
ADD PLUG JOINT @ BR 28N (MM 41.698) COLD JOINT CRACK



MAINLINE /RAMP APPROACH AREA DETAIL

LOCATION

29.995 NB, WESTMINSTER - BEGIN COLD PLANING
44.995 NB, SPRINGFIELD - END COLD PLANING

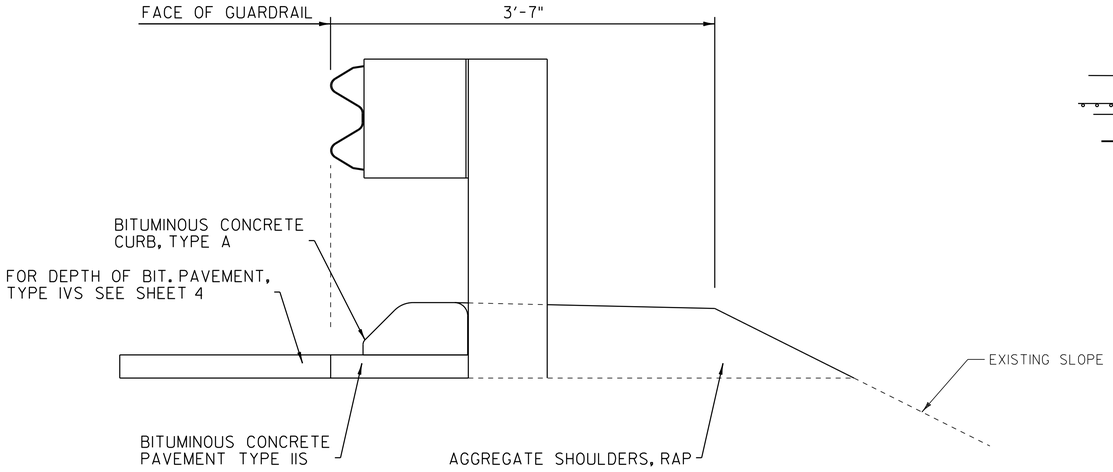
0.495 NB EXIT 6 OFF RAMP A
0.017 NB EXIT 6 OFF RAMP E
0.045 NB EXIT 6 ON RAMP B @ VT 103
0.009 NB EXIT 6 ON RAMP F @ VT 103
0.360 NB EXIT 7 OFF RAMP C @ US 5
0.346 NB EXIT 7 OFF RAMP G
0.028 NB EXIT 7 ON RAMP D @ US 5
0.054 NB EXIT 7 ON RAMP H

NOT TO SCALE

PROJECT TYPICAL SHEET 2

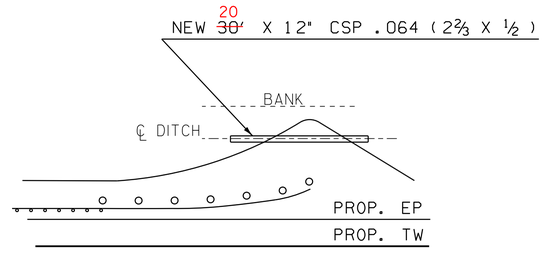
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_05
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 5 OF 43



BITUMINOUS CONCRETE CURB, TYPE A DETAIL

SEE STANDARD SHEET C-10



PIPE AT MTS

LOCATION

~~36. 417 RT~~
~~39. 330 RT~~ NOT USED AT THESE LOCATIONS
40. 840 RT
ADD @ 42.85 RT

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

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

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: 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)

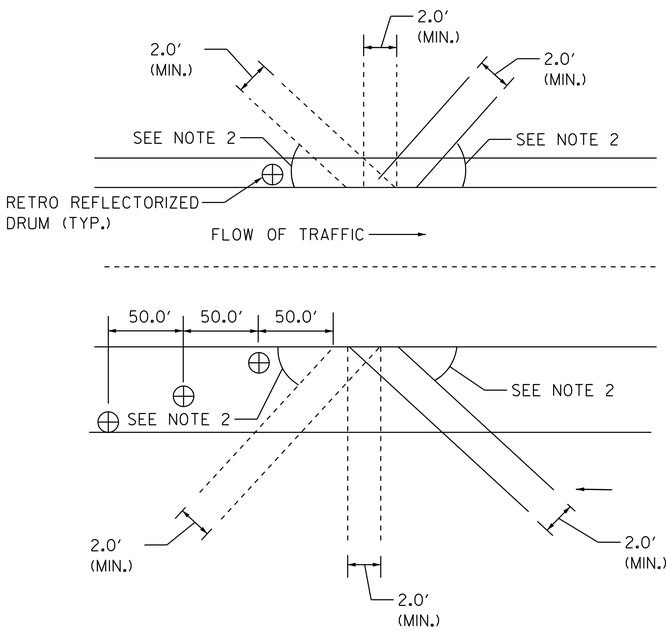
AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGHOUT THE PROJECT, SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

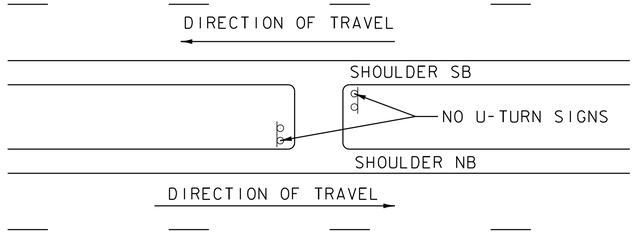


BLEEDER DETAIL

NOTES:

1. BLEEDERS ARE TO BE CUT WHILE COLD PLANING AT LOCATIONS SPECIFIED BY THE RESIDENT ENGINEER. INCIDENTAL TO ITEM 210.10-COLD PLANING, BITUMINOUS PAVEMENT.
2. ANGLE BLEEDERS TO BEST ACCEPT WATER FLOW.
3. CUT ALL BLEEDERS TO THE DEPTH OF COLD PLANING AND GRADE TO DRAIN.
4. BLEEDERS ARE TO BE FILLED DURING PAVING WITH ITEM 490.30 OR AS DESIGNATED BY THE RESIDENT ENGINEER.
5. ⊕ RETRO REFLECTORIZED DRUMS SHALL BE PLACED AS SHOWN TO WARN MOTORIST OF THE GAP IN THE SHOULDER.
6. BLEEDERS ARE NOT REQUIRED IF THE COLD PLANED AREAS ARE PAVED BACK THE SAME DAY.

NOT TO SCALE



U-TURN LOCATIONS

DO NOT PAVE

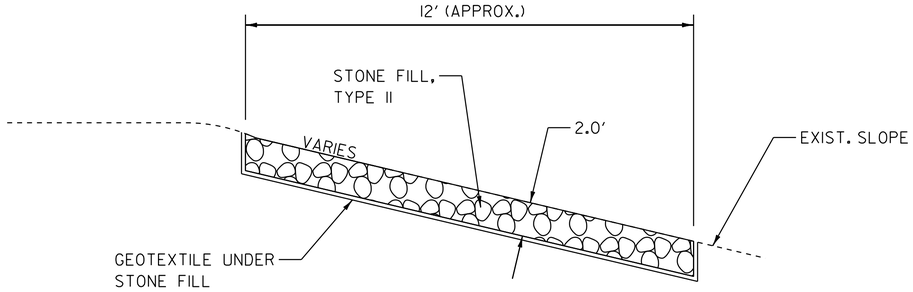
30.697 LT
30.740 LT
33.766 LT
34.564 LT
35.362 LT
35.719 LT
37.959 LT
39.519 LT
41.375 LT
43.255 LT

PROJECT TYPICAL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_06

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 6 OF 43



STONE FILL DETAIL

LOCATION

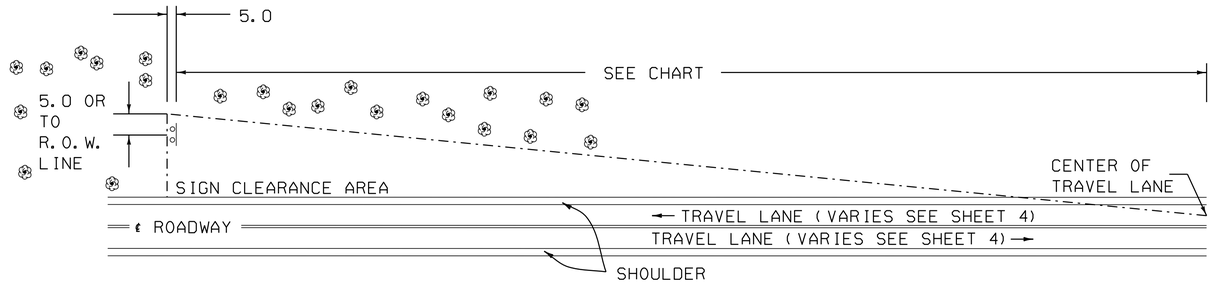
SLOPE STABILIZATION { 32.505 LT / 36.787 RT @ CULVERT (18" RCP) REPAIR

39.540 RT REMOVE PAVED SWALE
37.020 RT REMOVE PAVED SWALE
40.592 RT REMOVE PAVED SWALE
40.393 LT RELOCATED NEW SWALE
} TYPE II

37.790 RT REMOVE PAVED SWALE
40.425 RT REMOVE PAVED SWALE
42.720 RT REMOVE PAVED SWALE
42.950 RT REMOVE PAVED SWALE
EXIT 7 OFF RAMP "C" @ MM 0.107 RT REMOVE PAVED SWALE
@ MM 0.269 RT REMOVE PAVED SWALE
} TYPE I

WORK COMPLETED IN 2010
ADDITIONAL LOCATIONS TO REMOVE EXISTING PAVED SWALES NOT IDENTIFIED ON SHEET #19 OF 43 APPROVED BY JIM REDMOND (PROJECT SUPERVISOR) ON 9/14/10

32.397 LT REMOVE PAVED SWALE
35.260 RT REMOVE PAVED SWALE
EXIT 6 OFF RAMP "A" @ MM 0.191 RT REMOVE PAVED SWALE
@ MM 0.391 RT REMOVE PAVED SWALE
@ MM 0.459 RT REMOVE PAVED SWALE
} TYPE I → WORK COMPLETED IN 2011



THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS AND TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL. PAYMENT WILL BE UNDER ITEM 201.31, THINNING AND TRIMMING FOR SIGNS. NO CHEMICALS (POISONS OR DEFOLIANTS) WILL BE ALLOWED.

MINIMUM SIGN SIGHT DISTANCE CHART

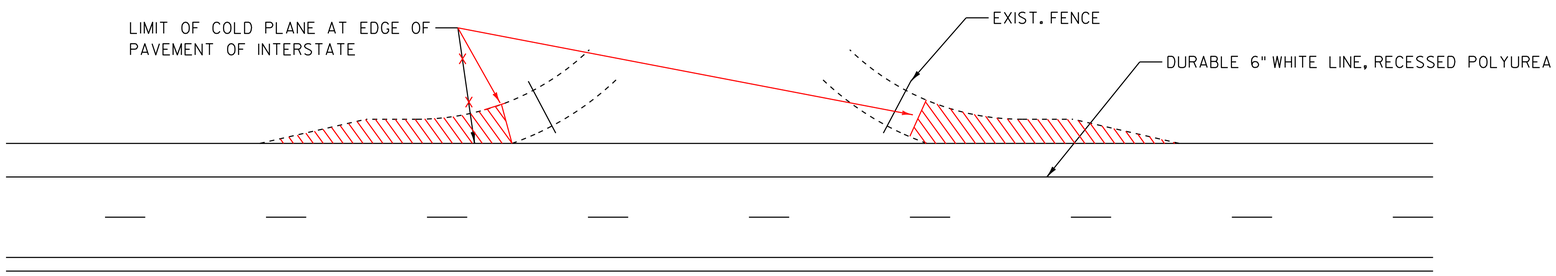
APPROACH SPEED (mph)	SIGHT DISTANCE (feet)
30 OR LESS	300
35	350
40	400
45	450
50	500
55	550

THINNING AND TRIMMING DETAIL

LOCATION

MM ~~33.596~~ RT 33.550 RT
MM 40.443 RT
MM 40.638 RT
MM 40.857 RT
MM 41.373 RT

REST AREA



REST AREA DETAIL

LOCATION

MM 39.2 RT

NOT TO SCALE

LEGEND

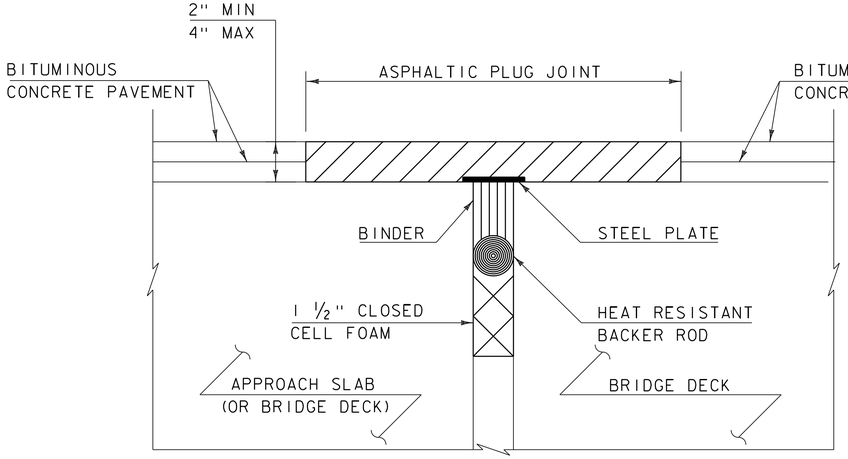
R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

PROJECT TYPICAL SHEET 4

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

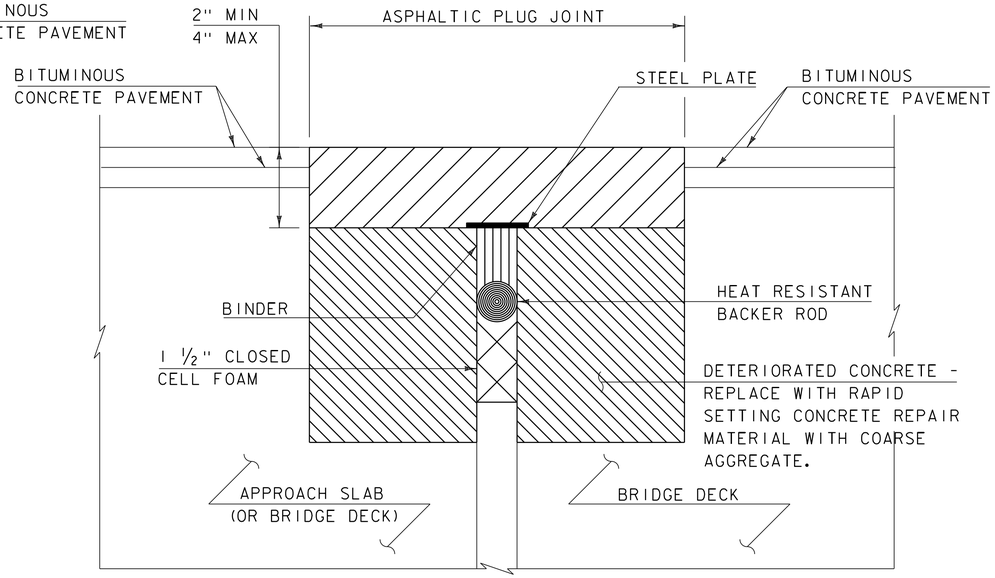
FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_07

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 7 OF 43



ASPHALTIC PLUG-TYPE JOINT DETAIL

(NOT TO SCALE)



ASPHALTIC PLUG-TYPE JOINT DETAIL REMOVAL OF > 2" DETERIORATED CONCRETE

(NOT TO SCALE)

NOTES:

1. UPON ENCOUNTERING GREATER THAN 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE FORMED TO EXISTING ELEVATION.

2. REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 "RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE".

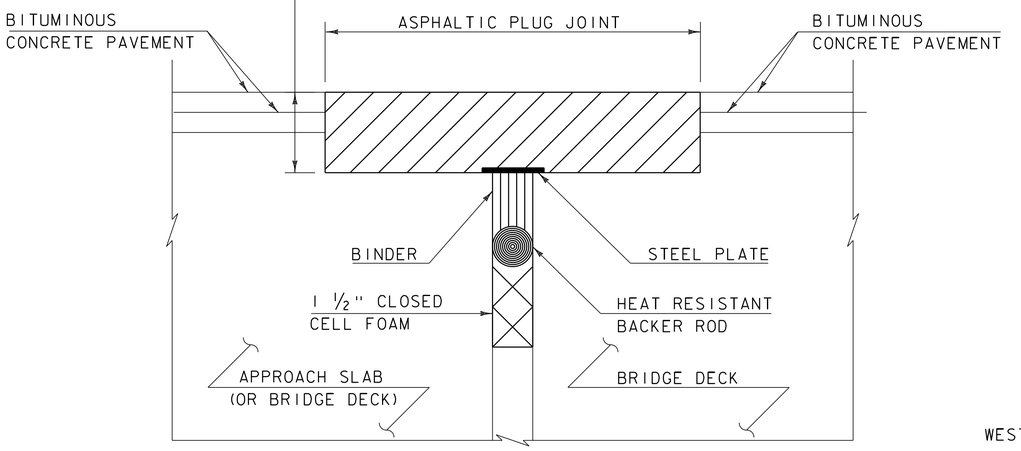
3. REINFORCING STEEL NOT SHOWN FOR CLARITY.

WESTMINSTER:	BRIDGE 21N	1637+30	(MM 31.009)	(~~55~~ 54 FT. EXP. JOINT)
	BRIDGE 21N	1642+02	(MM 31.099)	(~~55~~ 54 FT. EXP. JOINT)
ROCKINGHAM:	BRIDGE 22N	1776+24	(MM 33.641)	(39.5 FT. EXP. JOINT)
	BRIDGE 22N	1776+74	(MM 33.650)	(39.5 FT. EXP. JOINT)
	BRIDGE 22N	1777+24	(MM 33.660)	(39.5 FT. EXP. JOINT)
	BRIDGE 22N	1777+72	(MM 33.669)	(39.5 FT. EXP. JOINT)
	BRIDGE 23N	1858+35	(MM 35.196)	(~~32~~ 41.5 FT. EXP. JOINT)
	BRIDGE 23N	1858+98	(MM 35.208)	(~~32~~ 31 FT. EXP. JOINT)
	BRIDGE 23N	1859+61	(MM 35.220)	(~~32~~ 31 FT. EXP. JOINT)
	BRIDGE 23N	1860+26	(MM 35.232)	(~~32~~ 31.5 FT. EXP. JOINT)
	BRIDGE 24N	1870+24	(MM 35.421)	(~~32~~ 36 FT. APPR. SLAB)
	~~BRIDGE 24N~~	~~1870+44~~	~~(MM 35.444)~~	~~(32 FT. EXP. JOINT)~~
	~~BRIDGE 24N~~	~~1879+46~~	~~(MM 35.596)~~	~~(32 FT. APPR. SLAB)~~
	BRIDGE 24N	1879+26	(MM 35.592)	(~~32~~ 30 FT. EXP. JOINT)
SPRINGFIELD:	BRIDGE 26N	2177+17	(MM 41.234)	(~~31~~ 30.5 FT. EXP. JOINT)
	~~BRIDGE 26N~~	~~2178+73~~	~~(MM 41.264)~~	~~(31 FT. EXP. JOINT)~~
	BRIDGE 26N	2180+29	(MM 41.293)	(~~31~~ 30.5 FT. EXP. JOINT)
	BRIDGE 27N	2193+26	(MM 41.539)	(~~41~~ 40.67 FT. EXP. JOINT)
	BRIDGE 27N	2194+26	(MM 41.558)	(~~41~~ 40.67 FT. EXP. JOINT)
	BRIDGE 28N		(MM 41.698)	(42.8 FT EXP. JOINT)

2011 WORK

2010 WORK

2010 + 2011



ASPHALTIC PLUG-TYPE JOINT DETAIL REMOVAL OF < 2" DETERIORATED CONCRETE

(NOT TO SCALE)

NOTES:

1. UPON ENCOUNTERING UP TO 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEEER.

2. REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.

NOT TO SCALE

ASPHALTIC PLUG JOINT NOTES

I. INSTALLATION

A. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

B. REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.

C. BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.

D. REPAIR SPALLED AND DEFECTIVE CONCRETE WITH AN APPROVED MATERIAL AS AGREED UPON BY THE ENGINEER.

E. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.

F. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.

G. PLACE ¼" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

H. HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.

I. INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

J. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

K. ONCE THE JOINT REACHES 82 DEG C(180 DEG F)+/-, WATER MAYBE USED TO EXPEDITE THE COOLING PROCESS.

L. PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51DEG C(125 DEG F) +/-.

2. WEATHER LIMITATIONS. (APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER):

A. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.

B. THE ROAD SURFACE IS DRY.

C. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.

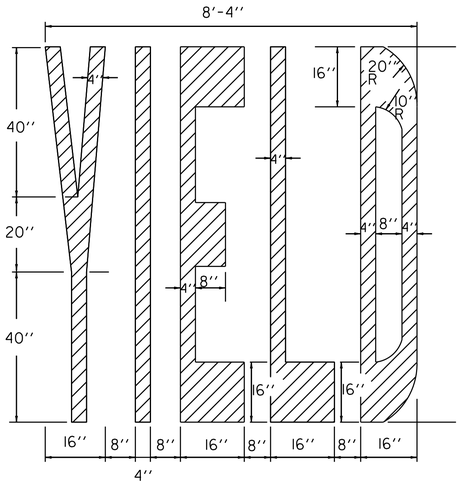
ASPHALTIC PLUG-TYPE JOINT DETAIL SHEET

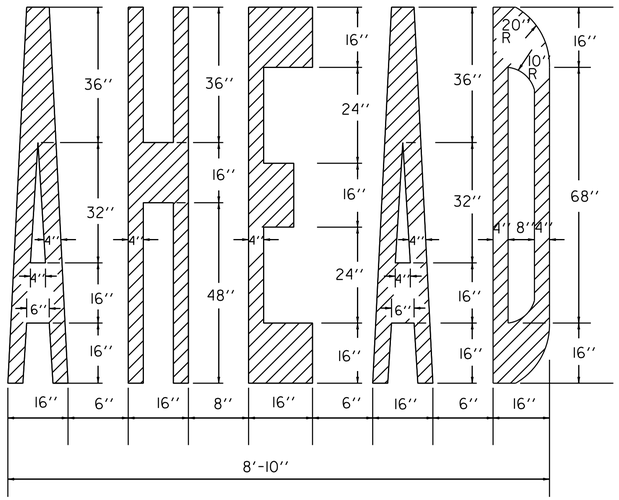
PROJECT NAME: WESTMINSTER-SPRINGFIELD

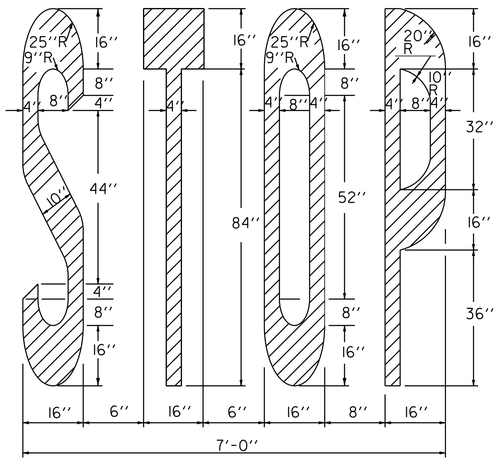
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_08

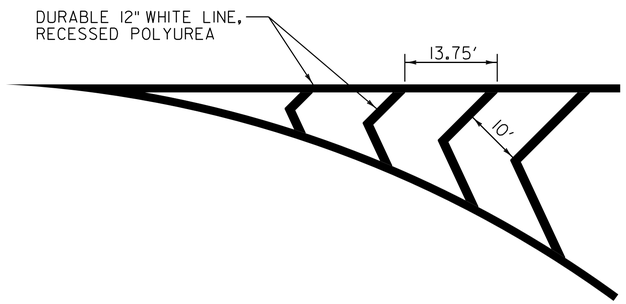
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 8 OF 43



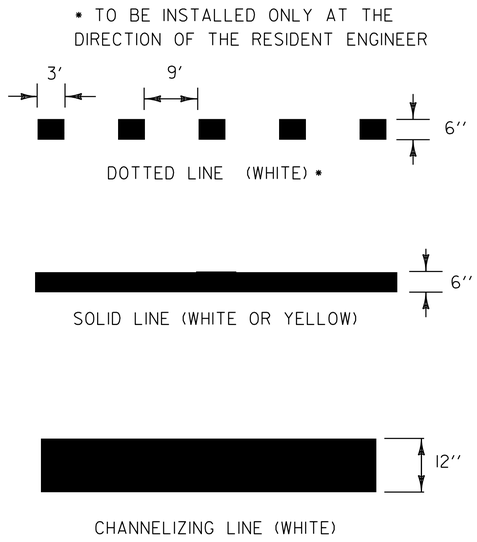




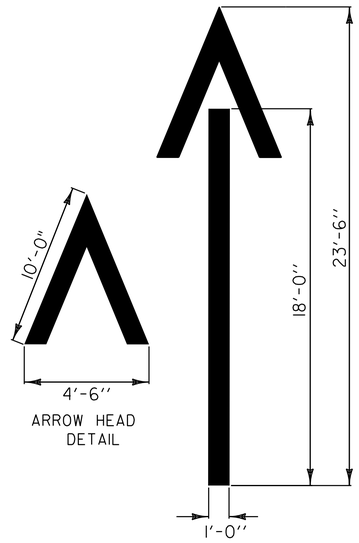
PAVEMENT MARKING DETAILS



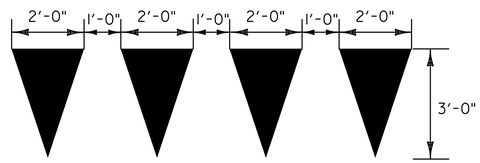
GORE MARKING DETAIL



PAVEMENT MARKING LINE DETAILS

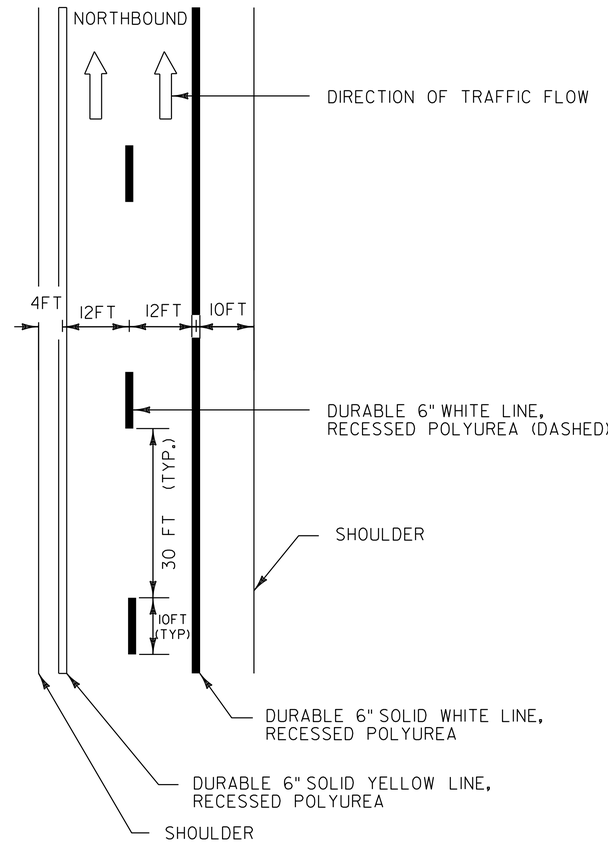


WRONG-WAY ARROW DETAILS



YIELD LINE DETAILS

TO BE INSTALLED ONLY AT THE
DIRECTION OF THE RESIDENT ENGINEER
TO BE PAID AS ONE LETTER OR SYMBOL
PER TRIANGLE



TYPICAL MAINLINE MARKING PLAN

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS SHEET

PROJECT NAME:	WESTMINSTER-SPRINGFIELD
PROJECT NUMBER:	IM 091-1(62)
FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT LEADER: PTS	DRAWN BY: JBZ
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 01a014_09	SHEET 9 OF 43

M.M.	SIZE	MATERIAL
30.12	18	RCP
30.14	36	CGMP
30.20	18	CGMP
30.28	48	RCP
30.39	24	CGMP
30.48	24	RCP
30.62	18	RCP
30.73	42	CGMP
30.76	24	CGMP
30.89	30	CGMP
31.30	30	CGMP
31.45	30	CGMP
31.55	24	CGMP
31.62	24	CGMP
31.73	36	CGMP
31.85	24	CGMP
31.93	30	CGMP
32.03	24	CGMP
32.17	24	CGMP
32.25	24	CGMP
32.32	24	CGMP
32.42	24	RCP
32.54	30	CGMP
32.83	18	CGMP
33.06	18	CGMP
33.14	24	CGMP
33.25	24	CGMP
33.41	24	RCP
33.51	24	RCP
33.59	18	CGMP
33.66	18	CGMP
33.77	36	CGMP
33.87	24	CGMP
33.98	30	CGMP
34.08	24	CGMP
34.28	30	CGMP
34.32	18	CGMP
34.40	18	CGMP
34.45	24	CGMP
34.50	66	CGMP
34.54	18	CGMP
34.66	18	RCP
34.88	24	RCP
34.98	24	RCP
35.09	24	RCP
35.29	18	CGMP
35.35	18	CGMP
35.41	18	UNKNOWN
35.62	18	CGMP
35.66	18	CGMP
35.70	18	CGMP
35.74	24	CGMP
35.85	24	CGMP
35.88	18	CGMP
35.93	18	CGMP
35.93	36	CGMP
36.01	18	RCP
36.09	36	RCP
36.16	18	CGMP
36.22	18	CGMP
36.28	18	CGMP
36.34	18	RCP
36.40	18	RCP
36.48	30	RCP
36.58	36	CGMP
36.64	30	CGMP
36.72	24	CGMP
36.78	18	RCP
36.84	30	CGMP
36.95	30	CGMP
37.03	54	CGMP
37.07	18	CGMP
37.13	24	RCP

M.M.	SIZE	MATERIAL
37.20	30	CGMP
37.29	24	RCP
37.36	42	CGMP
37.47	42	RCP
37.61	18	CGMP
37.66	18	RCP
37.73	30	CGMP
37.77	24	CGMP
37.83	36	CGMP
37.87	30	CGMP
37.95	24	CGMP
37.99	18	CGMP
38.04	72	CGMP
38.04	18	CGMP
38.16	24	RCP
38.23	12	CGMP
38.30	24	RCP
38.38	24	CGMP
38.44	24	CGMP
38.51	18	CGMP
38.56	18	CGMP
38.61	18	CGMP
38.67	60	CGMP
38.69	18	CGMP
38.75	18	CGMP
38.82	18	CGMP
38.91	48	CGMP
38.97	18	RCP
39.03	18	RCP
39.08	18	RCP
39.13	18	CGMP
39.34	30	CGMP
39.42	30	CGMP
39.50	24	CGMP
39.62	24	RCP
39.69	24	RCP
39.77	18	RCP
39.85	18	CGMP
39.93	24	CGMP
40.01	24	RCP
40.07	24	CGMP
40.15	18	RCP
40.32	24	CGMP
40.53	42	CGMP
40.63	24	RCP
40.69	24	RCP
40.78	18	CGMP
40.86	30	CGMP
41.01	18	CGMP
41.04	24	CGMP
41.08	18	CGMP
41.16	18	CGMP
41.22	18	CGMP
41.32	18	RCP
41.38	18	CGMP
41.98	18	CGMP
42.08	18	CGMP
42.17	24	RCP
42.22	24	RCP
42.31	24	RCP
42.39	24	CGMP
42.51	36	CGMP
42.60	18	CGMP
42.66	18	CGMP
42.75	72	CGMP
42.75	36	CGMP
42.89	30	CGMP
42.99	60	CGMP
43.16	18	RCP
43.23	18	RCP
43.39	18	CGMP
43.51	18	RCP
43.66	24	CGMP

M.M.	SIZE	MATERIAL
43.75	18	CGMP
43.84	24	CGMP
43.96	24	CGMP
44.05	48	CGMP
44.19	30	RCP
44.35	24	RCP
44.40	18	RCP
44.48	18	RCP
44.58	18	CGMP
44.67	36	CGMP
44.81	18	CGMP
44.92	18	RCP
44.97	18	RCP
EXIT 6 NB OFF RAMP		
0.12	30	CGMP
0.19	30	CGMP
0.35	66	CGMP
0.44	30	CGMP
EXIT 6 NB ON RAMP		
0.08	15	RCP
0.13	24	CGMP

NOTE:

THIS SHEET IS TO BE USED FOR INFORMATIONAL PURPOSES ONLY. THE RESIDENT ENGINEER SHALL DETERMINE WHETHER THE COMPACTION EFFORT OVER THESE CULVERTS SHOULD BE REDUCED.

NOTE:

SEE ITEM 619.17 IN COMPUTATION BINDER FOR CULVERT LOCATIONS AND DRAINAGE STRUCTURE LOCATIONS.

CULVERT LOCATIONS SHEET

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_10

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 10 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES

ROADWAY	EMPLOYEE TRAINEESHIP	BRIDGE	FULL C.E.	TOTALS GRAND TOTAL	TOTALS FINAL	UNIT	DESCRIPTIONS ITEMS	ITEM NUMBER	ROUND
5				5		EACH	THINNING AND TRIMMING FOR SIGNS	201.31	-
4300				4300		CY	COMMON EXCAVATION	203.15	101
70				70		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	7.8
2130				2130		CY	EARTH BORROW	203.30	5
27000				27000		LF	SHOULDER BERM REMOVAL	203.40	1433
1				1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
348000				348000		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	275
129800				129800		LF	MILLED RUMBLE STRIPS	213.10	133
1250				1250		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	13
5900				5900		TON	AGGREGATE SHOULDERS, RAP	402.13	4
1400				1400		CWT	EMULSIFIED ASPHALT	404.65	6
1				1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
40500				40500		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	192
1				1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
1				1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-
1				1		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-
1				1		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-
		700		700		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	3
		100		100		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	-
90				90		LF	12" CSP .064 (2-2/3 X 1/2)	601.0005	-
5				5		EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	-
11				11		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST
11				11		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST
11				11		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III	604.418	EST
40				40		HR	POWER GRADER RENTAL	608.15	EST
100				100		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST
500				500		HR	POWER BROOM RENTAL, TYPE I	608.30	EST
40				40		HR	POWER BROOM RENTAL, TYPE II	608.31	EST
100				100		HR	TRUCK RENTAL	608.37	EST
40				40		HR	LOADER RENTAL, TYPE I	608.40	EST
30				30		CY	STONE FILL, TYPE I	613.10	5
60				60		CY	STONE FILL, TYPE II	613.11	8
7000				7000		LF	BITUMINOUS CONCRETE CURB, TYPE A	616.305	30
3375				3375		LF	REMOVAL OF EXISTING CURB	616.41	16
340				340		EACH	YIELDING MARKER POSTS	619.17	10
100				100		LF	CHAIN-LINK FENCE, 6 FEET	620.12	15
12				12		EACH	BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6 FEET	620.21	-
100				100		LF	SNOW BARRIER, GALVANIZED	620.75	15
19500				19500		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	204
3000				3000		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	310.5

DETAILED SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
331754	SY	I-91
15971	SY	NB RAMPS
347725	SY	SUBTOTAL
275	SY	ROUNDING
348000	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
28667	TON	I-91 NB, TYPE IV S, WEARING COURSE
9318	TON	I-91 NB, TYPE IV S, LEVELING COURSE
1450	TON	NB RAMPS, TYPE IV S, WEARING COURSE
484	TON	NB RAMPS, TYPE IV S, LEVELING COURSE
320	TON	NB RAMPS, TYPE II S, SHOULDER WIDENING
69	TON	TYPE II S, BENEATH ASPHALT CURB
40308	TON	SUB TOTAL
192	TON	ROUNDING
40500	TON	TOTAL

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_11

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: WWG
CHECKED BY: PTS/NLL
SHEET 11 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES									TOTALS				DESCRIPTIONS					DETAILED SUMMARY OF QUANTITIES		
									ROADWAY	EMPLOYEE TRAINEESHIP	BRIDGE	FULL C.E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITY	UNIT	ITEMS
									100				100		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	EST			
									43				43		EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-			
									39				39		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
									3				3		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I	621.70	-			
									1				1		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II	621.71	-			
									250				250		EACH	REPLACE GUARDRAIL POST ASSEMBLY	621.76	EST			
									2000				2000		EACH	REPLACE GUARDRAIL BEAM UNIT	621.77	EST			
									22500				22500		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	65.5			
									2950				2950		HR	UNIFORMED TRAFFIC OFFICERS	630.10	-			
									2400				2400		HR	FLAGGERS	630.15	40			
											1		1		LS	FIELD OFFICE, ENGINEERS	631.10	-			
											1		1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
											3000		3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-			
										520			520		HR	EMPLOYEE TRAINEESHIP	634.10	-			
									1				1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
									1				1		LS	TRAFFIC CONTROL	641.10	-			
									5				5		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
									105700				105700		LF	DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA	646.426	94			
									85600				85600		LF	DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA	646.436	81			
									1800				1800		LF	DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA	646.466	45			
									66				66		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
									211400				211400		LF	TEMPORARY 6 INCH WHITE LINE, PAINT	646.622	188			
									171200				171200		LF	TEMPORARY 6 INCH YELLOW LINE, PAINT	646.632	162			
									3600				3600		LF	TEMPORARY 12 INCH WHITE LINE, PAINT	646.662	90			
									132				132		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
									6550				6550		EACH	LINE STRIPING TARGETS	646.76	32			
									40				40		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	2.5			
									200				200		SY	GEOTEXTILE UNDER STONE FILL	649.31	7.6			
									30				30		SY	GEOTEXTILE FOR SILT FENCE	649.51	6			
									35				35		LB	SEED	651.15	EST			
									255				255		LB	FERTILIZER	651.18	EST			
									1				1		TON	AGRICULTURAL LIMESTONE	651.20	EST			
									1				1		TON	HAY MULCH	651.25	EST			
									45				45		CY	TOPSOIL	651.35	EST			
									2200				2200		SY	TEMPORARY EROSION MATTING	653.20	EST			
									330				330		SF	TRAFFIC SIGNS, TYPE A	675.20	7.21			
									805				805		LB	TUBULAR STEEL SIGN POST	675.33	1.6			
									1000				1000		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	10			
									8				8		EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-			
									122				122		EACH	REMOVING SIGNS	675.50	-			

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_12

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: WWG
CHECKED BY: PTS/NLL
SHEET 12 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES													TOTALS		DESCRIPTIONS			
									ROADWAY	EMPLOYEE TRAINEESHIP	BRIDGE	FULL C.E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
									44				44		EACH	ERECTING SALVAGED SIGNS	675.60	-
									550				550		EACH	DELINEATOR WITH STEEL POST	676.10	19
									450				450		EACH	REMOVAL OF EXISTING DELINEATOR	676.12	6
									1				1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
									750				750		EACH	SPECIAL PROVISION (STEEL BEAM GUARDRAIL DELINEATOR)	900.620	-
									500				500		EACH	SPECIAL PROVISION (STEEL BEAM GUARDRAIL OFFSET BLOCK)	900.620	-

DETAILED SUMMARY OF QUANTITIES		
QUANTITY	UNIT	ITEMS
		DELINEATOR WITH STEEL POST
105	EA	TYPE I (RAMPS)
42	EA	TYPE I (ANCHOR)
45	EA	TYPE I (MTS)
288	EA	TYPE I (MILE POSTS)
18	EA	TYPE II
33	EA	TYPE III
531	EA	SUB TOTAL
19	EA	ROUNDING
550	EA	TOTAL

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_13

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: WWG
CHECKED BY: PTS/NLL
SHEET 13 OF 43

SEE COMPUTATION BINDER SECTION 604.XX FOR LOCATION AND QUANTITIES.

SEE COMPUTATION BINDER SECTION 621.XXX GUARDRAIL SUMMARY SHEET FOR LOCATIONS AND QUANTITIES.

SEE COMPUTATION BINDER SECTION 676.10 FOR LOCATIONS AND QUANTITIES.

SEE COMPUTATION BINDER SECTION 616.XX CURB SUMMARY SHEET FOR LOCATIONS AND QUANTITIES.

SEE FINALS BOOK #1 PAGE 74-77 FOR LOCATIONS AND QUANTITIES.

LOCATION			DRAINAGE				GUARDRAIL								676.10 DELIN. W/STEEL POST					MISC		
			604.40	604.412	604.415	604.418	621.20	621.205		621.50	621.60	621.70	621.71	621.80						616.305	601.0005	
MM	MM	POS.	CHANGING ELEVATION OF DI, CB, OR MH	REHAB. DI, CB, OR MH CLASS I	REHAB. DI, CB, OR MH CLASS II	REHAB. DI, CB, OR MH CLASS III	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS		MTS, FLARED	ANCHOR FOR STEEL BEAM RAIL	GUARDRAIL APPROACH SECTION, GALV. TYPE I	GUARDRAIL APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL		TYPE I	TYPE II	TYPE III	TYPE I MILE POSTS	BITUMINOUS CONCRETE CURB, TYPE A	12" CSP .064 (2-2/3 x 1/2)	REMARKS
WESTMINSTER			(EA)	(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	
29.995	44.905	LT&RT	2	II	II	II										105	18	33	288			FOR LOCATIONS SEE LAYOUT SHEETS, ESTIMATED QUANTITY TO BE USED AS
29.914	30.267	RT																				DIRECTED BY THE RESIDENT ENGINEER
																						RETAIN EXISTING GUARDRAIL
30.641	30.648	RT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
30.648	31.169	RT																				RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 21N
31.169	31.176	RT					39.5				1			37.5		1						ANCHOR @ 31.176, REMOVE TWIST DOWN TERMINAL
30.914	30.921	LT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
30.921	31.377	LT																				RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 21N
31.837	32.570	LT												3870.0								
31.844	32.571	LT					3839.5			1	1					2						MTS @ 31.837, ANCHOR @ 32.571
32.226	32.302	LT																				
32.397	32.564	LT																		402.0		
																				881.0		
32.495	32.502	RT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
32.502	32.653	RT																				RETAIN EXISTING GUARDRAIL
32.653	32.660	RT					39.5				1			37.5		1						ANCHOR @ 32.660, REMOVE TWIST DOWN TERMINAL
33.524	33.531	RT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT), SEE SHEET 38
33.531	34.110	RT																				RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 22N
34.110	34.117	RT					39.5				1			37.5		1						ANCHOR @ 34.117, REMOVE TWIST DOWN TERMINAL, SEE SHEET 38
33.546	33.631	LT					450.0			1						1						MTS @ 33.539, ATTACH GUARDRAIL TO EXISTING APPROACH RAIL, SEE SHEET 38
33.574	33.631	LT												303.0								
33.631	33.679	LT																				RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 22N
33.673		LT					40.0															MEDIAN "DROP DEAD" RAIL, SEE SHEET 38
33.633	33.679	LT&RT																				BRIDGE 22N, TO REPLACE DAMAGED PANELS ON APPROACH RAIL.
35.080	35.090	RT												50.0								REMOVE BURIED CABLE TERMINAL (BCT)
35.088	35.090	RT					12.5			1						1						MTS 35.080
35.090	35.251	RT																				RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 23N
35.251	35.258	RT					39.5				1			37.5		1						ANCHOR @ 35.258, REMOVE TWIST DOWN TERMINAL, CURB 35.251 - 35.265
																				80.0		
35.102	35.109	LT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
35.109	35.253	LT																				RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 23N
35.297	35.416	RT																				RETAIN EXISTING GUARDRAIL, BEGINS ON EXIT 6 ON RAMP
35.416	35.425	RT												50.0								REPLACE DAMAGED GUARDRAIL APPROACH SECTION TYPE I, SEE SHEET 38
35.425	35.990	RT										1								50.0		RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 24N
35.990	35.997	RT					39.5				1			37.5		1						ANCHOR @ 35.997, REMOVE TWIST DOWN TERMINAL, CURB 35.989 - 35.997,
																				40.0		SEE SHEET 38
35.370	35.609	LT																				RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 24N
35.416	35.601	LT&RT																				BRIDGE 24N, TO REPLACE DAMAGED PANELS ON APPROACH RAIL.
36.417	36.424	RT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
36.424	36.726	RT																			30	RETAIN EXISTING GUARDRAIL
36.726	36.733	RT					39.5				1			37.5		1						ANCHOR @ 36.733, REMOVE TWIST DOWN TERMINAL
36.520	36.527	LT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
36.527	36.695	LT																				RETAIN EXISTING GUARDRAIL
36.695	36.702	LT					39.5				1			37.5		1						ANCHOR @ 36.702, REMOVE TWIST DOWN TERMINAL
36.827	37.024	RT												1040.0								
36.834	37.024	RT					1002.0			1	1					2						MTS @ 36.827, ANCHOR @ 37.024
36.902	37.024	RT																				
																				643.0		
SUBTOTAL			2	II	II	II	5620.5	0		II	9	1	0	5838.0		125	18	33	288	2096.0	30.0	

ITEM DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_14

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: NLL
SHEET 14 OF 43

LOCATION			DRAINAGE				GUARDRAIL														MISC		REMARKS
			604.40	604.412	604.415	604.418	621.20	621.205		621.50	621.60	621.70	621.71	621.80		676.10 DELIN. W/STEEL POST					616.305	601.0005	
MM	MM	POS.	CHANGING ELEVATION OF DI, CB, OR MH	REHAB. DI, CB, OR MH CLASS I	REHAB. DI, CB, OR MH CLASS II	REHAB. DI, CB, OR MH CLASS III	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS		MTS, FLARED	ANCHOR FOR STEEL BEAM RAIL	GUARDRAIL APPROACH SECTION, GALV. TYPE I	GUARDRAIL APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL		TYPE I	TYPE II	TYPE III	TYPE I MILE POSTS		BITUMINOUS CONCRETE CURB, TYPE A	12" CSP .064 (2-2/3 x 1/2)	
SPRINGFIELD			(EA)	(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(LF)	(LF)	(LF)		(LF)	(LF)	
37.270	37.406	RT												718.0									
37.277	37.405	RT					677.0			1	1					2							MTS @ 37.270, ANCHOR @ 37.405
37.563	37.584	RT												112.5									REMOVE BURIED CABLE TERMINAL (BCT) AND DAMAGED GUARDRAIL
37.570	37.584	RT					75.0			1						1							MTS @ 37.563
37.584	37.780	RT																					RETAIN EXISTING GUARDRAIL
37.780	37.787	RT					37.5				1			37.5		1					40.0		ANCHOR @ 37.787, CURB 37.780 - 37.787
37.898	38.120	RT												1173.0									
37.905	38.120	RT					1139.5			1	1					2							MTS @ 37.898, ANCHOR @ 38.120
37.918	38.110	RT																			1014.0		
38.303	38.978	RT												3564.0									
38.310	38.978	RT					3257.0			1	1					2							MTS @ 38.303, ANCHOR @ 38.978
38.500	38.947	RT																			2360.0		
39.330	39.540	RT												1109.0									
39.337	39.548	RT					1114.5			1	1					2						30	MTS @ 39.330, ANCHOR @ 39.548
39.433	39.540	RT																			565.0		
39.629	40.081	LT												2387.0									
39.636	40.081	LT					2352.0			1	1					2							MTS @ 39.629, ANCHOR @ 40.081
40.220	40.230	LT												50.0									REMOVE BURIED CABLE TERMINAL (BCT)
40.227	40.230	LT					12.5			1						1							MTS @ 40.220
40.230	40.386	LT																					RETAIN EXISTING GUARDRAIL
40.386	40.393	LT					39.5				1			37.5		1							ANCHOR @ 40.393, REMOVE TWIST DOWN TERMINAL
40.256	40.426	RT												897.0									
40.263	40.427	RT					862.5			1	1					2							MTS FLARED @ 40.256, ANCHOR @ 40.427
40.299	40.427	RT																			674.0		
40.495	40.502	RT								1				37.5		1							REMOVE BURIED CABLE TERMINAL (BCT)
40.502	40.593	RT																					RETAIN EXISTING GUARDRAIL
40.593	40.600	RT					39.5				1			37.5		1					38.0		ANCHOR @ 40.600, REMOVE TWIST DOWN TERMINAL, CURB 40.593 - 40.600
40.689	40.814	NB LT												660.0									
40.695	40.901	NB LT					462.5			1						1							MTS @ 40.688
40.891	40.911	NB LT												129.0									REMOVE BULLNOSE - SEE SHEET 39
40.901	40.911	NB LT										1											
40.911	40.983	NB LT																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 25N
40.909		NB/SB					40.0																MEDIAN "DROP DEAD" RAIL
40.983		NB/SB					40.0																MEDIAN "DROP DEAD" RAIL
40.983	41.007	NB LT												122.5									REMOVE BULLNOSE - SEE SHEET 39
40.983	40.988	NB LT					27.0				1					1							ANCHOR @ 40.988
40.902	40.990	LT&RT																					BRIDGE 25N, TO REPLACE DAMAGED PANELS ON APPROACH RAIL
40.840	40.896	NB RT					300.0			1						1					140.0	30	MTS @ 40.832, ATTACH TO EXISTING GUARDRAIL @ 40.896, CURB 40.870 - 40.896
40.841	40.896	NB RT												293.0									
40.896	41.300	NB RT																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGES 25N & 26N
40.891	40.908	SB												79.0									REMOVE BULLNOSE - SEE SHEET 39
40.904	40.908	SB					27.0				1					1							ANCHOR @ 40.904
40.908	40.981	SB																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 25N
40.981	41.007	SB												173.0									REMOVE BULLNOSE - SEE SHEET 39
40.981	40.991	SB										1											
40.991	41.059	SB					362.5			1						1							MTS @ 41.066
SUBTOTAL			0	0	0	0	10865.5	0		12	11	2	0	11617.0		23	0	0	0		4831.0	60.0	

ITEM DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_15

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: NLL/PTS
SHEET 15 OF 43

LOCATION			DRAINAGE				GUARDRAIL														MISC		REMARKS
			604.40	604.412	604.415	604.418	621.20	621.205		621.50	621.60	621.70	621.71	621.80		676.10 DELIN. W/STEEL POST					616.305	601.0005	
MM	MM	POS.	CHANGING ELEVATION OF DI, CB, OR MH	REHAB. DI, CB, OR MH CLASS I	REHAB. DI, CB, OR MH CLASS II	REHAB. DI, CB, OR MH CLASS III	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS		MTS, FLARED	ANCHOR FOR STEEL BEAM RAIL	GUARDRAIL APPROACH SECTION, GALV. TYPE I	GUARDRAIL APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL		TYPE I	TYPE II	TYPE III	TYPE I MILE POSTS	BITUMINOUS CONCRETE CURB, TYPE A	12" CSP .064 (2-2/3 x 1/2)	
WESTMINSTER			(EA)	(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	
41.154	41.227	NB LT								1						1							MTS @ 41.146
41.212	41.227	NB LT					387.5							79.0									REMOVE BULLNOSE - SEE SHEET 39
41.227	41.300	NB LT																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 26N
41.230		NB/SB																					MEDIAN "DROP DEAD" RAIL
41.298		NB/SB					40.0																MEDIAN "DROP DEAD" RAIL
41.300	41.311	NB LT					40.0							55.0									REMOVE BULLNOSE - SEE SHEET 39
41.300	41.305	NB LT									1					1							ANCHOR @ 41.305
							27.0																
41.223	41.305	LT&RT																					BRIDGE 26N, TO REPLACE DAMAGED PANELS ON APPROACH RAIL
41.212	41.227	SB												21.0									REMOVE BULLNOSE - SEE SHEET 39
41.222	41.227	SB														1							ANCHOR @ 41.222
41.227	41.300	SB					27.0																RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 26N
41.300	41.311	SB												55.0									REMOVE BULLNOSE - SEE SHEET 39
41.300	41.364	SB								1						1							MTS @ 41.371
							337.5																
41.300	41.532	NB RT												1275.0									REPLACE DAMAGED GUARDRAIL, ATTACH TO EXISTING APPROACH RAIL
41.300	41.551	NB RT						1275.0															AT BRIDGES 26N & 27N
41.551	41.589	NB RT																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 27N
41.589	41.596	NB RT												37.5		1							REMOVE TWIST DOWN TERMINAL, ANCHOR @ 41.596, SEE SHEET 40
							37.5				1												
41.532	41.568	LT&RT																					BRIDGE 27N, TO REPLACE DAMAGED PANELS ON APPROACH RAIL
41.459	41.487	LT								1						1							MTS @ 41.451, SEE SHEET 40
41.470	41.506	LT					150.0							89.0									
41.506	41.558	LT																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 27N
41.558	41.560	LT											1										ATTACH TO EXISTING BRIDGE RAIL, SEE SHEET 40
41.558	41.568	LT												53.0									
41.560	41.567	LT														1							ANCHOR @ 41.567, REMOVE TWIST DOWN TERMINAL
							39.5				1												
41.595	41.623	LT								1						1							MTS @ 41.587, CONNECT TO EXISTING GUARDRAIL
41.604	41.623	LT					150.0							100.0									
41.623	41.722	LT																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 28N
41.675		LT												94.0									REPLACE MEDIAN CABLE "DROP DEAD" RAIL
41.720		LT					94.0							125.0									REPLACE MEDIAN CABLE "DROP DEAD" RAIL
41.722	41.730	LT					125.0							37.5									SEE SHEET 29
41.722	41.730	LT									1					1							ANCHOR @ 41.730, REMOVE TWIST DOWN TERMINAL
							39.5																
41.674	41.722	RT																					RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 28N, ENDS ON EXIT 7 OFF RAMP
41.797	41.918	RT																					RETAIN EXISTING GUARDRAIL, BEGINS ON EXIT 7 OFF RAMP
41.918	41.925	RT												37.5		1							ANCHOR @ 41.925, REMOVE TWIST DOWN TERMINAL
							39.5																
41.840	41.847	LT								1				37.5		1					17.0		REMOVE BURIED CABLE TERMINAL (BCT), CURB 41.844 - 41.847
41.847	42.145	LT																					RETAIN EXISTING GUARDRAIL
42.145	42.152	LT												37.5		1							ANCHOR @ 42.152, REMOVE TWIST DOWN TERMINAL
							39.5																
42.218	42.493	LT												1450.0									
42.225	42.493	LT						1414.5		1	1					2							MTS @ 42.218, ANCHOR @ 42.493
42.462	42.520	RT																					RETAIN EXISTING GUARDRAIL
42.520	42.527	RT												37.5		1							ANCHOR @ 42.527, REMOVE TWIST DOWN TERMINAL
							39.5																
											1												
SUBTOTAL			0	0	0	0	1613.0	2689.5		6	6	0	1	3621.0		15	0	0	0		17.0	0	

ITEM DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_16

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: NLL/PTS

LOCATION			DRAINAGE				GUARDRAIL														MISC		REMARKS
			604.40	604.412	604.415	604.418	621.20	621.205		621.50	621.60	621.70	621.71	621.80	676.10 DELIN. W/STEEL POST						616.305	601.0005	
MM	MM	POS.	CHANGING ELEVATION OF DI, CB, OR MH	REHAB. DI, CB, OR MH CLASS I	REHAB. DI, CB, OR MH CLASS II	REHAB. DI, CB, OR MH CLASS III	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS		MTS, FLARED	ANCHOR FOR STEEL BEAM RAIL	GUARDRAIL APPROACH SECTION, GALV. TYPE I	GUARDRAIL APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL		TYPE I	TYPE II	TYPE III	TYPE I MILE POSTS		BITUMINOUS CONCRETE CURB, TYPE A	12" CSP .064 (2-2/3 x 1/2)	
XX			(EA)	(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(LF)	(LF)	(LF)		(LF)	(LF)	
42.715	42.727	RT												62.5									REMOVE BURIED CABLE TERMINAL (BCT) AND DAMAGED GUARDRAIL
42.722	42.727	RT					25.0			1						1							MTS @ 42.715
42.727	42.761	RT																					RETAIN EXISTING GUARDRAIL
42.761	42.768	RT					39.5				1			37.5		1							ANCHOR @ 42.768, REMOVE TWIST DOWN TERMINAL
42.715	42.724	LT												50.0									REMOVE BURIED CABLE TERMINAL (BCT) AND DAMAGED GUARDRAIL
42.722	42.724	LT					12.5			1						1							MTS @ 42.715
42.724	42.761	LT																					RETAIN EXISTING GUARDRAIL
42.761	42.768	LT					39.5				1			37.5		1							ANCHOR @ 42.768, REMOVE TWIST DOWN TERMINAL
42.848	42.860	RT												62.5									REMOVE BURIED CABLE TERMINAL (BCT) AND DAMAGED GUARDRAIL
42.855	42.860	RT					25.0			1						1							MTS @ 42.848
42.860	43.093	RT																					RETAIN EXISTING GUARDRAIL
43.093	43.100	RT					39.5				1			37.5		1							ANCHOR @ 43.100, REMOVE TWIST DOWN TERMINAL
42.942	42.949	LT								1				37.5		1							REMOVE BURIED CABLE TERMINAL (BCT)
42.949	43.000	LT																					RETAIN EXISTING GUARDRAIL
43.000	43.007	LT					39.5				1			37.5		1					26.0		ANCHOR @ 43.007, REMOVE TWIST DOWN TERMINAL, CURB 43.002 - 43.007
43.272	43.279	RT								1				37.5		1							REMOVE BURIED CABLE TERMINAL (BCT)
43.279	43.369	RT																					RETAIN EXISTING GUARDRAIL
43.369	43.376	RT					39.5				1			37.5		1							ANCHOR @ 43.376, REMOVE TWIST DOWN TERMINAL
43.606	43.613	LT								1				37.5		1							REMOVE BURIED CABLE TERMINAL (BCT)
43.613	44.042	LT																					RETAIN EXISTING GUARDRAIL
44.042	44.049	LT					39.5				1			37.5		1							ANCHOR @ 44.049, REMOVE TWIST DOWN TERMINAL
44.035	44.057	RT												116.0									
44.040	44.057	RT					87.5			1	1					2							MTS @ 44.033, ANCHOR @ 44.057
																							REMOVE BURIED CABLE TERMINAL (BCT) & TWIST DOWN TERMINAL
44.508	44.515	RT								1				37.5		1							REMOVE BURIED CABLE TERMINAL (BCT)
44.515	44.701	RT																					RETAIN EXISTING GUARDRAIL
44.701	44.708	RT					39.5				1			37.5		1							ANCHOR @ 44.708, REMOVE TWIST DOWN TERMINAL
44.650	44.657	LT								1				37.5		1							REMOVE BURIED CABLE TERMINAL (BCT)
44.657	45.034	LT																					RETAIN EXISTING GUARDRAIL
SUBTOTAL			0	0	0	0	426.5	0		9	8	0	0	741.0		17	0	0	0		26.0	0	

ITEM DETAIL SHEET 4

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_17

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: NLL/PTS
SHEET 17 OF 43

LOCATION			DRAINAGE				GUARDRAIL													MISC		REMARKS
			604.40	604.412	604.415	604.418	621.20	621.205		621.50	621.60	621.70	621.71	621.80		676.10 DELIN. W/STEEL POST				616.305	601.0005	
MM	MM	POS.	CHANGING ELEVATION OF DI, CB, OR MH	REHAB. DI, CB, OR MH CLASS I	REHAB. DI, CB, OR MH CLASS II	REHAB. DI, CB, OR MH CLASS III	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS		MTS, FLARED	ANCHOR FOR STEEL BEAM RAIL	GUARDRAIL APPROACH SECTION, GALV. TYPE I	GUARDRAIL APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL		TYPE I	TYPE II	TYPE III	TYPE I MILE POSTS	BITUMINOUS CONCRETE CURB, TYPE A	12" CSP .064 (2-2/3 x 1/2)	
EXIT 6 OFF RAMP A			(EA)	(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	
0.086	0.093	RT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
0.093	0.189	RT														1						RETAIN EXISTING GUARDRAIL
0.296	0.303	RT								1				37.5		1						REMOVE BURIED CABLE TERMINAL (BCT)
0.303	0.506	RT														1						RETAIN EXISTING GUARDRAIL
0.393	0.461	LT					312.5							356.0								
0.400	0.461	LT								1	1					2						MTS FLARED @ 0.393, ANCHOR @ 0.461
0.502		RT	1																			
EXIT 6 OFF RAMP B							62.5															
0.076	0.088	RT								1						1						MTS FLARED @ 0.069, CONNECT TO EXISTING GUARDRAIL
0.083	0.088	RT												25.0								REMOVE BURIED CABLE TERMINAL (BCT)
0.088	0.198	RT																				RETAIN EXISTING GUARDRAIL, CONTINUES ON I-91
0.198		RT	1																			
EXIT 7 OFF RAMP C																						
0.000	0.096	RT					27.0															RETAIN EXISTING GUARDRAIL, BEGINS ON I-91
0.096	0.101	RT									1			25.0		1						ANCHOR @ 0.101, REMOVE TWIST DOWN TERMINAL
0.076	0.116	LT					27.0															RETAIN EXISTING GUARDRAIL, BEGINS ON I-91
0.116	0.120	LT									1			25.0		1						ANCHOR @ 0.120, REMOVE TWIST DOWN TERMINAL
0.250	0.332	RT					27.0															RETAIN EXISTING GUARDRAIL
0.332	0.337	RT									1			25.0		1						ANCHOR @ 0.337, REMOVE TWIST DOWN TERMINAL
0.333		RT	1																			
EXIT 7 ON RAMP D																						
0.167	0.245	LT					27.0															RETAIN EXISTING GUARDRAIL
0.245	0.250	LT									1			25.0		1						ANCHOR @ 0.250, REMOVE TWIST DOWN TERMINAL
0.248	0.303	RT					287.5			1						1						MTS @ 0.241, ATTACH TO EXISTING GUARDRAIL
0.291	0.303	RT												61.5								
0.303	0.327	RT																				RETAIN EXISTING GUARDRAIL, CONTINUES ON I-91
SUBTOTAL SHEET 14			2	11	11	11	5620.5	0.0		11	9	1	0	5838.0		125	18	33	288	2096.0	30.0	
SUBTOTAL SHEET 15			0	0	0	0	10865.5	0.0		12	11	2	0	11617.0		23	0	0	0	4831.0	60.0	
SUBTOTAL SHEET 16			0	0	0	0	1613.0	2689.5		6	6	0	1	3621.0		15	0	0	0	17.0	0.0	
SUBTOTAL SHEET 17			0	0	0	0	426.5	0.0		9	8	0	0	741.0		17	0	0	0	26.0	0.0	
SUBTOTAL SHEET 18			3	0	0	0	770.5	0.0		5	5	0	0	617.5		12	0	0	0	0.0	0.0	
TOTAL ROUNDING			0	0	0	0	204.0	310.5		0	0	0	0	65.5		13	2	2	2	30.0	0.0	
PROJECT TOTALS			5	11	11	11	19500.0	3000.0		43	39	3	1	22500.0		205	20	35	290	7000.0	90.0	

ITEM DETAIL SHEET 5

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_18

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: NLL/PTS

REFERENCE COMPUTATION BINDER 646XX
646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA

29.995 TO 34.261 SOLID RT
30.013 TO 45.000 DASHED CL
34.357 TO 35.384 SOLID RT
35.408 TO 41.856 SOLID RT
42.033 TO 44.905 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA

30.013 TO 45.000 SOLID LT

REFERENCE COMPUTATION BINDER 676.10
676.10 DELINEATORS WITH STEEL POST

33.524 RT SB 41.066 LT
33.539 LT 41.146 LT
34.117 RT SB 41.222 LT
35.997 RT 41.305 LT
40.688 LT SB 41.371 LT
40.832 RT 41.451 LT
SB 40.904 LT 41.567 LT
40.988 LT 41.596 RT

REFERENCE COMPUTATION BINDER 621.XX
621.70 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I

35.416 TO 35.425 RT
40.901 TO 40.911 LT
SB 40.981 TO 40.991 LT

621.71 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II

41.558 TO 41.560 LT

203.40 SHOULDER BERM REMOVAL

41.623 TO 41.675 LT
41.720 TO 41.722 LT

REFERENCE COMPUTATION BINDER 203.40
203.40 SHOULDER BERM REMOVAL

29.995 TO 30.267 RT
30.648 TO 31.000 RT
30.921 TO 30.997 LT
31.115 TO 31.377 LT
31.150 TO 31.169 RT
31.844 TO 32.226 LT
32.302 TO 32.397 LT
32.502 TO 32.750 RT
33.531 TO 33.565 RT
33.631 TO 33.641 LT
33.669 TO 33.679 LT
33.773 TO 34.110 RT
35.090 TO 35.194 RT
35.109 TO 35.196 LT
35.232 TO 35.253 LT
35.370 TO 35.425 LT
36.424 TO 36.726 RT
36.527 TO 36.695 LT
39.337 TO 39.433 RT
39.643 TO 40.074 LT
40.230 TO 40.289 LT
40.350 TO 40.386 LT
40.502 TO 40.538 RT
41.506 TO 41.539 LT
41.559 TO 41.589 RT
41.797 TO 41.918 RT
41.844 TO 41.847 LT
42.099 TO 42.145 LT
42.462 TO 42.520 RT
42.724 TO 42.730 LT
42.727 TO 42.761 RT
42.860 TO 43.093 RT
42.949 TO 42.961 LT
43.279 TO 43.298 RT
43.362 TO 43.369 RT
43.613 TO 43.638 LT
43.896 TO 44.042 LT
44.515 TO 44.630 RT
44.657 TO 44.976 LT
44.697 TO 44.701 RT

REFERENCE COMPUTATION BINDER 621.XX
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

30.641 TO 30.648 RT
30.914 TO 30.921 LT
31.169 TO 31.176 RT
31.837 TO 32.570 LT
32.495 TO 32.502 RT
32.653 TO 32.660 RT
33.524 TO 33.531 RT
33.574 TO 33.631 LT
34.110 TO 34.117 RT
35.080 TO 35.090 RT
35.102 TO 35.109 LT
35.251 TO 35.258 RT
35.416 TO 35.425 RT
35.990 TO 35.997 RT
36.417 TO 36.424 RT
36.520 TO 36.527 LT
36.695 TO 36.702 LT
36.726 TO 36.733 RT
36.827 TO 37.024 RT
37.270 TO 37.406 RT
37.563 TO 37.584 RT
37.780 TO 37.787 RT
37.898 TO 38.120 RT
38.303 TO 38.978 RT
39.330 TO 39.540 RT
39.629 TO 40.081 LT
40.220 TO 40.230 LT
40.256 TO 40.426 RT
40.386 TO 40.393 LT
40.495 TO 40.502 RT
40.689 TO 40.814 LT
40.841 TO 40.896 RT
SB 40.891 TO 40.908 LT
SB 40.891 TO 40.911 LT
SB 40.981 TO 41.007 LT
40.983 TO 41.007 LT
40.593 TO 40.600 RT
41.212 TO 41.227 LT
SB 41.212 TO 41.227 LT
41.300 TO 41.311 LT
SB 41.300 TO 41.311 LT
41.300 TO 41.532 RT
41.470 TO 41.506 LT
41.558 TO 41.568 LT
41.589 TO 41.596 RT
41.604 TO 41.623 LT
41.675 LT (94 FT)(CABLE)
41.720 LT (125 FT)(CABLE)
41.722 TO 41.730 LT
41.840 TO 41.847 LT
41.918 TO 41.925 RT
42.145 TO 42.152 LT
42.218 TO 42.493 LT
42.520 TO 42.527 RT
42.715 TO 42.724 LT
42.715 TO 42.727 RT
42.761 TO 42.768 LT
42.761 TO 42.768 RT
42.848 TO 42.860 RT
42.942 TO 42.949 LT
43.000 TO 43.007 LT
43.093 TO 43.100 RT
43.272 TO 43.279 RT
43.369 TO 43.376 RT
43.606 TO 43.613 LT
44.035 TO 44.057 RT
44.042 TO 44.049 LT
44.508 TO 44.515 RT
44.650 TO 44.657 LT
44.701 TO 44.708 RT

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8' POSTS

41.300 TO 41.551 RT
42.225 TO 42.493 LT

613.10 STONE FILL, TYPE I REFERENCE COMPUTATION BINDER 613.10

32.397 LT (4' X 10')
38.704 RT (4' X 10')
40.427 RT (3' X 12')
40.600 RT (4' X 15')

613.11 STONE FILL, TYPE II REFERENCE COMPUTATION BINDER 613.11

32.505 LT (50' X 12') SLOPE STABILIZATION
36.787 RT (12' X 8') SLOPE STABILIZATION

REFERENCE COMPUTATION BINDER 621.XX
621.50 MANUFACTURED TERMINAL SECTION, FLARED

30.641 TO 30.648 RT
30.914 TO 30.921 LT
31.837 TO 31.844 LT
32.495 TO 32.502 RT
33.524 TO 33.531 RT
33.539 TO 33.546 LT
35.080 TO 35.088 RT
35.102 TO 35.109 LT
36.417 TO 36.424 RT
36.520 TO 36.527 LT
36.827 TO 36.834 RT
37.270 TO 37.277 RT
37.563 TO 37.570 RT
37.898 TO 37.905 RT
38.303 TO 38.310 RT
39.330 TO 39.337 RT
39.629 TO 39.636 LT
40.220 TO 40.227 LT
40.256 TO 40.263 RT
40.495 TO 40.502 RT
40.688 TO 40.695 LT
40.832 TO 40.840 RT
SB 41.059 TO 41.066 LT
41.146 TO 41.154 RT
SB 41.364 TO 41.371 LT
41.451 TO 41.459 LT
41.587 TO 41.595 LT
41.840 TO 41.847 LT
42.218 TO 42.225 LT
42.715 TO 42.722 RT
42.715 TO 42.722 LT
42.848 TO 42.855 RT
42.942 TO 42.949 LT
43.272 TO 43.279 RT
43.606 TO 43.613 LT
44.033 TO 44.040 RT
44.508 TO 44.515 RT
44.650 TO 44.657 LT

620.12 CHAIN LINK FENCE, 6'
620.21 BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6'
620.75 SNOW BARRIER GALVANIZED

38.005 RT - ALONG CONCRETE BOX CULVERT TH #22
38.600 RT - ALONG CONCRETE BOX CULVERT TH #20

REFERENCE COMPUTATION BINDER 621.XX
621.20 STEEL BEAM GUARDRAIL, GALVANIZED

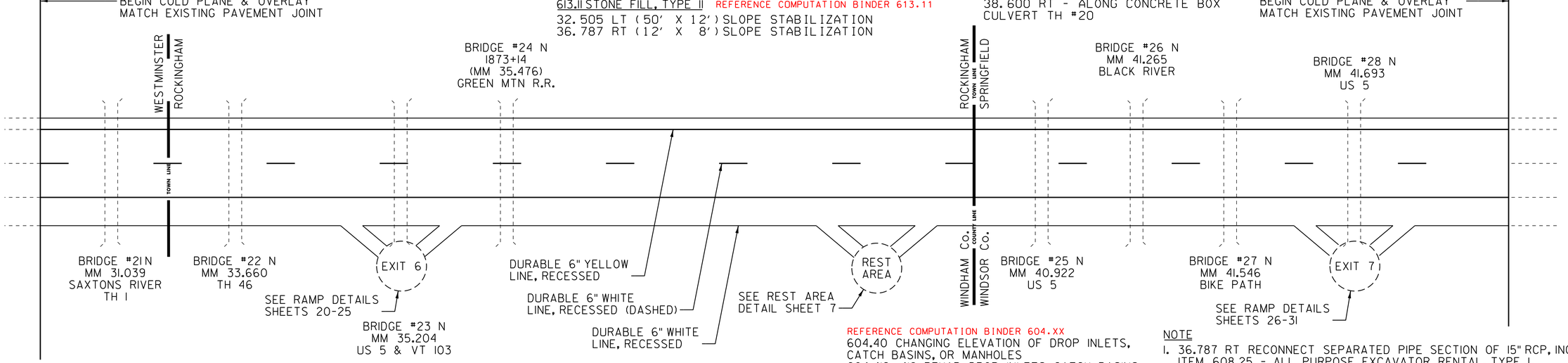
31.169 TO 31.176 RT
31.844 TO 32.571 LT
32.653 TO 32.660 RT
33.546 TO 33.631 LT
MEDIAN 33.673 (40')
34.110 TO 34.117 RT
35.088 TO 35.090 RT
35.251 TO 35.258 RT
35.990 TO 35.997 RT
36.695 TO 36.702 LT
36.726 TO 36.733 RT
36.834 TO 37.024 RT
37.277 TO 37.405 RT
37.570 TO 37.584 RT
37.780 TO 37.787 RT
37.905 TO 38.120 RT
38.310 TO 38.978 RT
39.337 TO 39.548 RT
39.636 TO 40.081 LT
40.227 TO 40.230 LT
40.263 TO 40.427 RT
40.386 TO 40.393 LT
40.593 TO 40.600 RT
40.695 TO 40.901 LT
40.840 TO 40.896 RT
SB 40.904 TO 40.908 LT
MEDIAN 40.909 (40')
MEDIAN 40.983 (40')
40.983 TO 40.988 LT
SB 40.991 TO 41.059 LT
41.154 TO 41.227 LT
41.222 TO 41.227 LT
MEDIAN 41.230 (40')
MEDIAN 41.298 (40')
41.300 TO 41.305 LT
SB 41.300 TO 41.364 LT
41.459 TO 41.487 LT
41.560 TO 41.567 LT
41.589 TO 41.596 RT
41.595 TO 41.623 LT
41.675 LT (94 FT)(MEDIAN)
41.720 LT (125 FT)(MEDIAN)
41.722 TO 41.730 LT
41.918 TO 41.925 RT
42.145 TO 42.152 LT
42.520 TO 42.527 RT
42.722 TO 42.727 RT
42.722 TO 42.724 LT
42.761 TO 42.768 RT
42.761 TO 42.768 LT
42.855 TO 42.860 RT
43.000 TO 43.007 LT
43.093 TO 43.100 RT
43.369 TO 43.376 RT
44.040 TO 44.057 RT
44.042 TO 44.049 LT
44.701 TO 44.708 RT

201.31 THINNING AND TRIMMING FOR SIGNS

~~33.596 RT~~ 33.550 RT
40.443 RT
40.638 RT
40.857 RT
41.373 RT

INTERSTATE ROUTE 91 NB
MM 29.995
BEGIN PROJECT
IM 091-1(62)

INTERSTATE ROUTE 91 NB
MM 44.905
END PROJECT
IM 091-1(62)



REFERENCE COMPUTATION BINDER 621.XX
621.60 ANCHOR FOR STEEL BEAM RAIL

31.176 RT SB 40.904 LT
32.571 LT 40.988 LT
32.660 RT SB 41.222 LT
34.117 RT 41.305 LT
35.258 RT 41.567 LT
35.997 RT 41.596 RT
36.702 LT 41.730 LT
36.733 RT 41.925 RT
37.024 RT 42.152 LT
37.405 RT 42.493 LT
37.787 RT 42.527 RT
38.120 RT 42.768 LT
38.978 RT 42.768 LT
39.548 RT 43.007 LT
40.081 LT 43.100 RT
40.393 LT 43.376 RT
40.427 RT 44.049 LT
40.600 RT 44.057 RT
44.708 RT

REFERENCE COMPUTATION BINDER
616.305 BITUMINOUS 616.XX CONCRETE CURB, TYPE A

32.226 TO 32.302 LT
32.397 TO 32.564 LT
35.251 TO 35.265 RT
35.416 TO 35.425 RT
35.989 TO 35.997 RT
36.902 TO 37.024 RT
37.780 TO 37.787 RT
37.918 TO 38.110 RT
38.500 TO 38.947 RT
39.433 TO 39.540 RT
40.299 TO 40.427 RT
40.593 TO 40.600 RT
40.870 TO 40.896 RT
41.844 TO 41.847 LT
43.002 TO 43.007 LT

REFERENCE COMPUTATION BINDER 675.XX
675.50 REMOVING SIGNS

30.000 RT MM PLAQUE (30)
31.000 RT MM PLAQUE (31)
32.000 RT MM PLAQUE (32)
33.000 RT MM PLAQUE (33)
34.000 RT MM PLAQUE (34)
35.000 RT MM PLAQUE (35)
36.000 RT MM PLAQUE (36)
37.000 RT MM PLAQUE (37)
38.000 RT MM PLAQUE (38)
39.000 RT MM PLAQUE (39)
40.000 RT MM PLAQUE (40)
41.000 RT MM PLAQUE (41)
42.000 RT MM PLAQUE (42)
43.000 RT MM PLAQUE (43)
44.000 RT MM PLAQUE (44)

675.20 TRAFFIC SIGNS, TYPE A

30.000 RT MM PLAQUE (30)
31.000 RT MM PLAQUE (31)
32.000 RT MM PLAQUE (32)
33.000 RT MM PLAQUE (33)
34.000 RT MM PLAQUE (34)
35.000 RT MM PLAQUE (35)
36.000 RT MM PLAQUE (36)
37.000 RT MM PLAQUE (37)
38.000 RT MM PLAQUE (38)
39.000 RT MM PLAQUE (39)
40.000 RT MM PLAQUE (40)
41.000 RT MM PLAQUE (41)
42.000 RT MM PLAQUE (42)
43.000 RT MM PLAQUE (43)
44.000 RT MM PLAQUE (44)

REFERENCE COMPUTATION BINDER 604.XX
604.40 CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES
604.412-.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, CLASS II OR CLASS III

32.226 LT 38.631 RT
32.302 LT 38.687 RT
33.630 RT 38.763 RT
33.705 RT 38.820 RT
35.422 RT 38.886 RT
35.634 RT 41.009 RT
35.673 RT 41.086 RT
35.712 RT 41.162 RT
35.749 RT 41.936 LT
35.790 RT 41.973 LT
35.838 RT 42.014 LT
35.890 RT 43.298 RT
35.942 RT 43.638 LT
36.976 RT 43.715 LT
37.991 RT 43.771 LT
38.048 RT 43.828 LT
38.500 RT 44.630 RT
38.585 RT

NOT TO SCALE

NOTE

1. 36.787 RT RECONNECT SEPARATED PIPE SECTION OF 15" RCP, INCIDENTAL TO ITEM 608.25 - ALL PURPOSE EXCAVATOR RENTAL, TYPE I.
   PLACE ITEM 402.13 - AGGREGATE SHOULDERS, RAP UNDER PIPE AND ON SLOPE.
   PLACE ITEM 613.10 - STONE FILL, TYPE I PAD (2.5' x 5.0') AT OUTLET .
   PLACE ITEM 613.11 - STONE FILL, TYPE II ON SLOPE FOR SLOPE STABILIZATION
   PLACE ITEM 649.31 - GEOTEXTILE UNDER STONE FILL
2. PLACE ADDITIONAL LEVELING AT THE RIGHT SIDE OF THE APPROACH TO BRIDGE 25 TO ELIMINATE PONDING OF WATER.
3. REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.

MAINLINE LAYOUT SHEET

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_19

PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 19 OF 43

EXIT 6 – RAMP A
NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.000 TO 0.200 SOLID RT
0.000 TO 0.068 DOTTED LT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.096 TO 0.200 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.068 TO 0.096 SOLID LT
0.068 TO 0.096 SOLID LT (GORE STRIPES)
34.329 TO 34.357 SOLID RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.086 TO 0.093 RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
0.086 TO 0.093 RT

676.10 DELINEATOR WITH STEEL POST
0.086 RT
0.189 RT

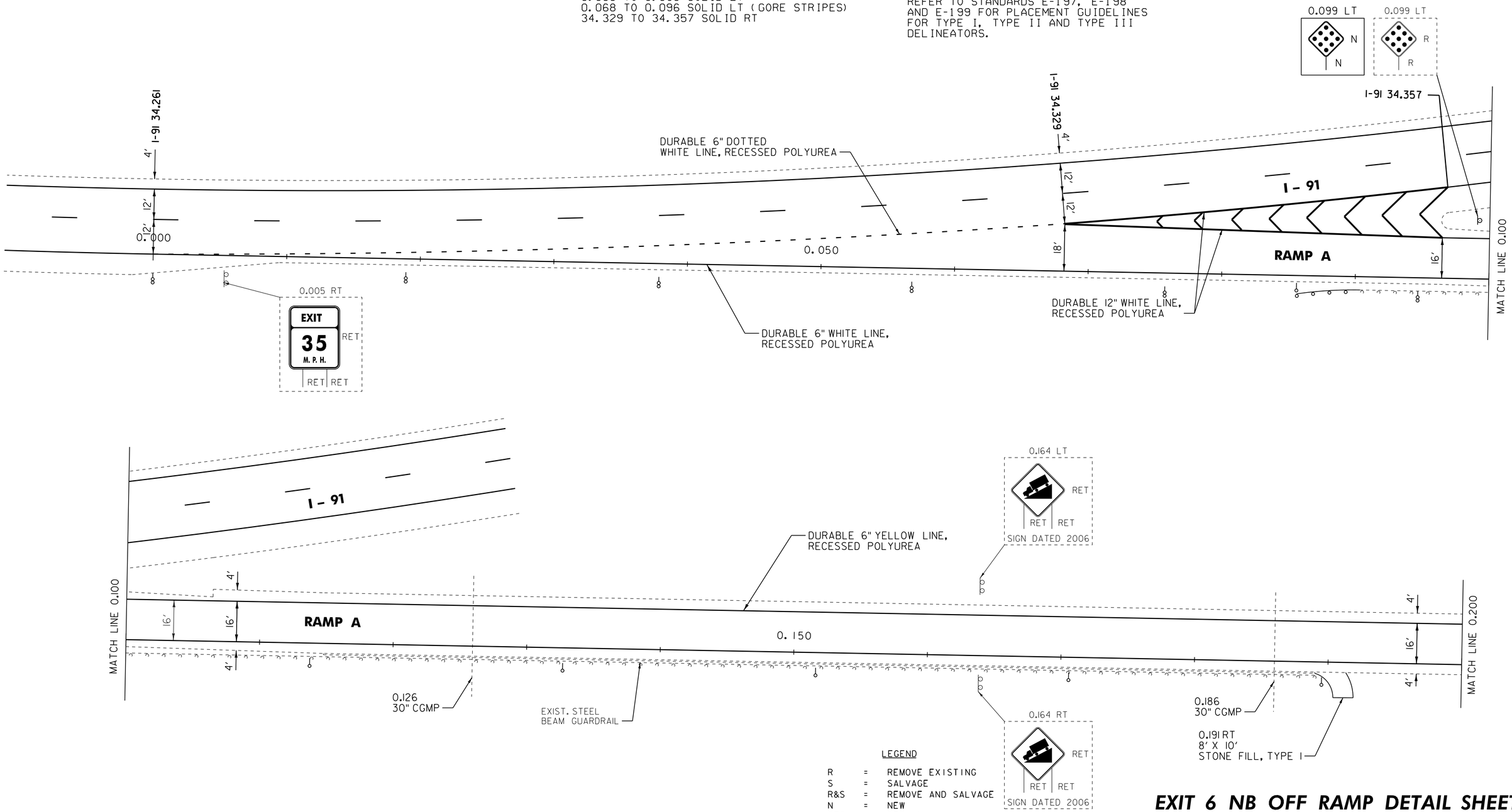
NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT GUIDELINES
FOR TYPE I, TYPE II AND TYPE III
DELINEATORS.

203.40 SHOULDER BERM REMOVAL
0.086 TO 0.115 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.400 TO 0.410 LT

613.10 STONE FILL, TYPE I
0.191 RT

675.50 REMOVING SIGNS
AS SHOWN - 1



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

NOT TO SCALE

EXIT 6 NB OFF RAMP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_20
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 20 OF 43

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.200 TO 0.410 SOLID

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.200 TO 0.410 SOLID LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.303 LT - "STOP"
0.311 LT - "AHEAD"

EXIT 6 - RAMP A NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

616.41 SHOULDER BERM REMOVAL
0.296 TO 0.345 RT

616.41 REMOVAL OF EXISTING CURB
0.345 TO 0.410 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.296 TO 0.303 RT
0.393 TO 0.410 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.400 TO 0.410 LT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
0.296 TO 0.303 RT
0.393 TO 0.400 LT

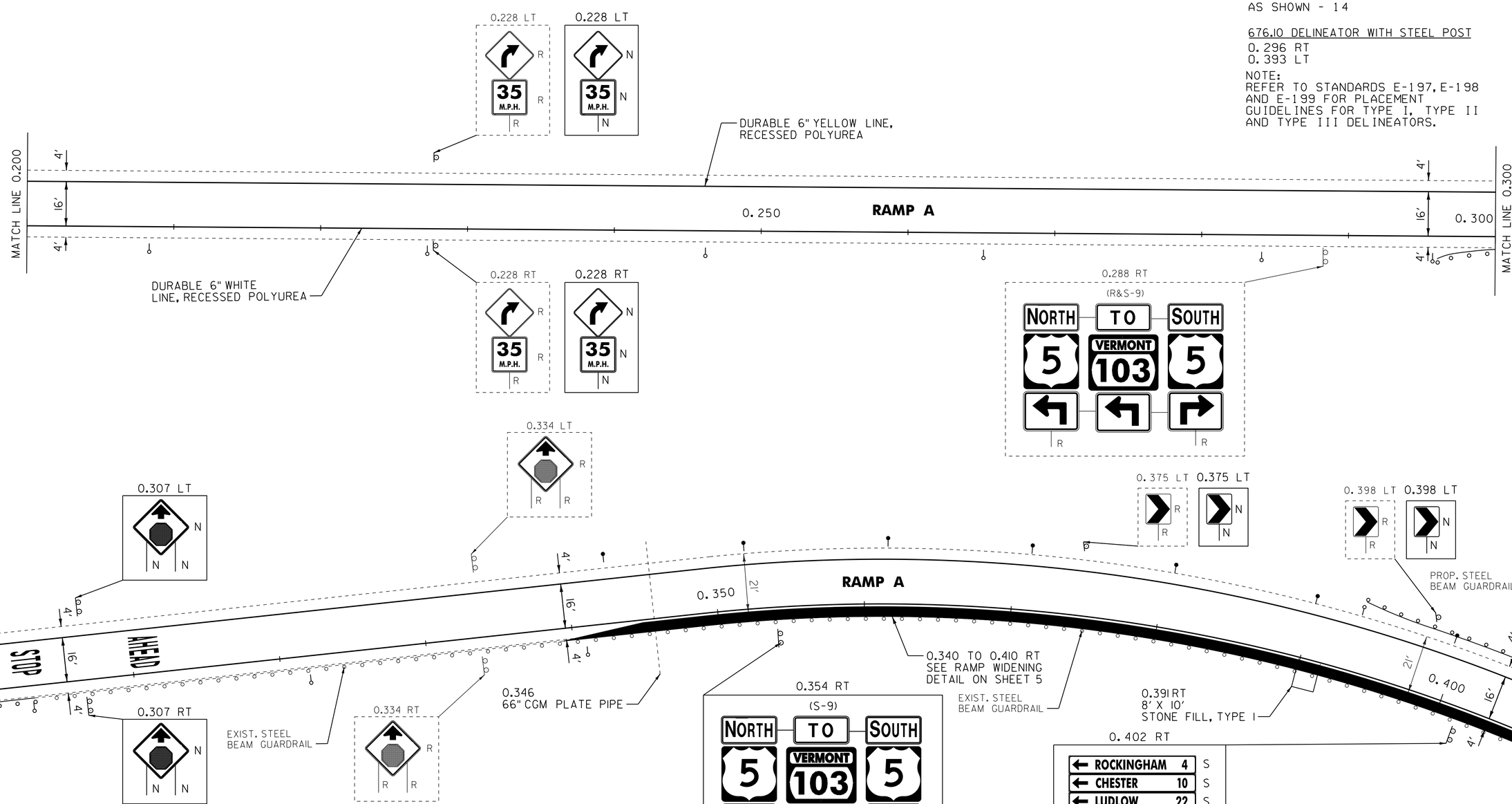
613.10 STONE FILL, TYPE I
0.391 RT

675.50 REMOVING SIGNS
AS SHOWN - 17

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 14

676.10 DELINEATOR WITH STEEL POST
0.296 RT
0.393 LT

NOTE:
REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

NOT TO SCALE

EXIT 6 NB OFF RAMP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_21
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 21 OF 43

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.410 TO 0.507 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.410 TO 0.507 SOLID LT

646.682 TEMPORARY 24" STOP BAR, PAINT
646.482 DURABLE 24" STOP BAR, THERMOPLASTIC
0.505 LT TO RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.449 LT - WRONG WAY ARROW
0.503 LT - STOP

646.85 REMOVAL OF EXISTING PAVEMENT MARKINGS
0.506 TO 0.507 RT (US 5)

203.28 EXCAVATION OF SURFACES AND PAVEMENTS
PLACE 4" OF TOPSOIL, SEED AND HAY MULCH

EXIT 6 - RAMP A & E NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193 FOR PAVEMENT MARKING GUIDELINES

616.41 REMOVAL OF EXISTING CURB
0.410 TO 0.482 RT
0.496 TO 0.505 RT (ISLAND)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.410 TO 0.461 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.410 TO 0.461 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
0.461 LT

604.40 CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES
0.502 RT

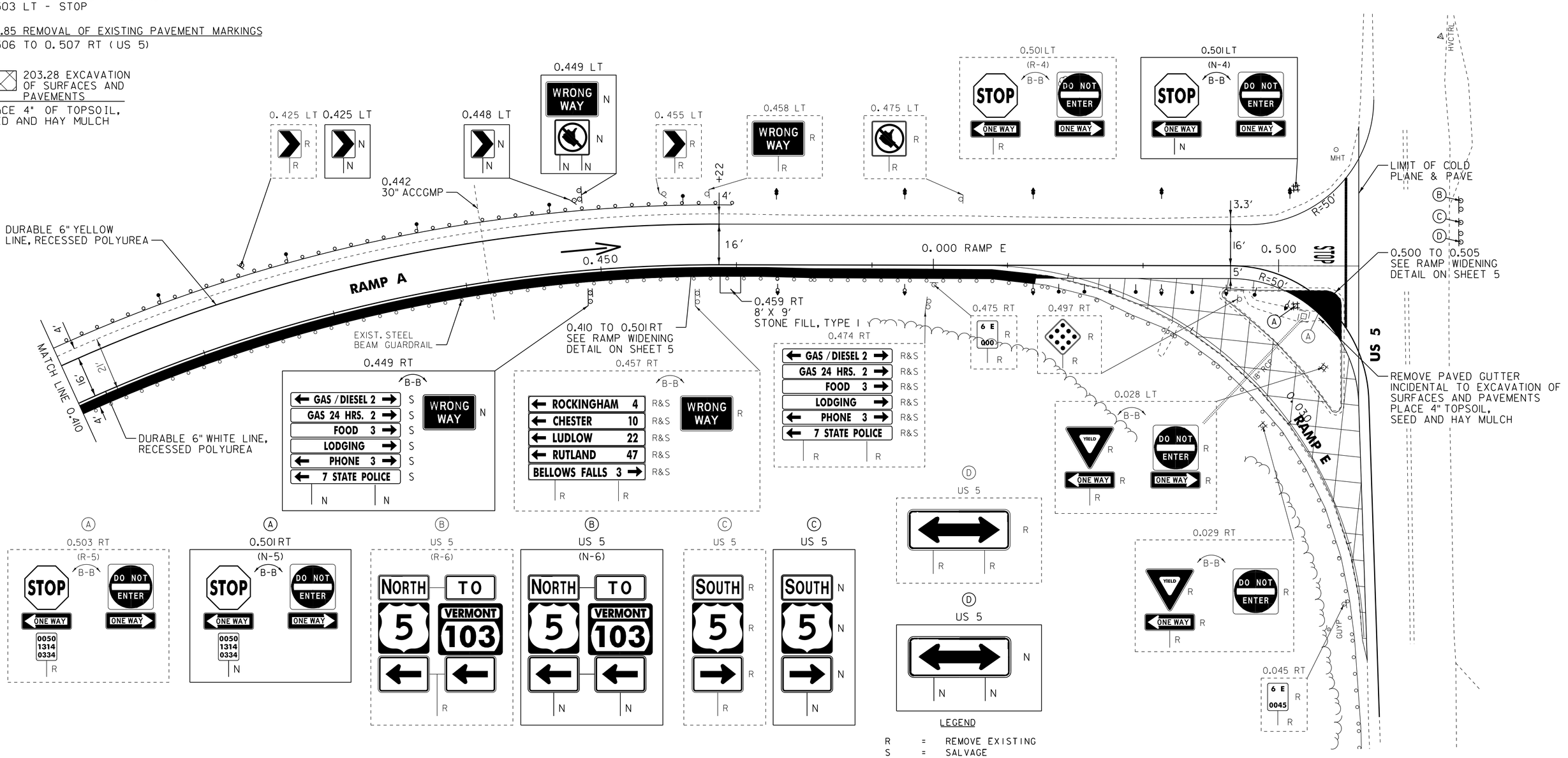
676.10 DELINEATOR WITH STEEL POST
0.461 LT

NOTE:
REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.

613.10 STONE FILL, TYPE I
0.459 RT (RAMP A)

675.50 REMOVING SIGNS
AS SHOWN - 45

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 6



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

NOT TO SCALE

EXIT 6 NB OFF RAMP DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_22
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 22 OF 43

EXIT 6 – RAMP B
NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.045 TO 0.085 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.045 TO 0.085 SOLID LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.083 TO 0.085 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.076 TO 0.085 RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
0.069 TO 0.076 RT

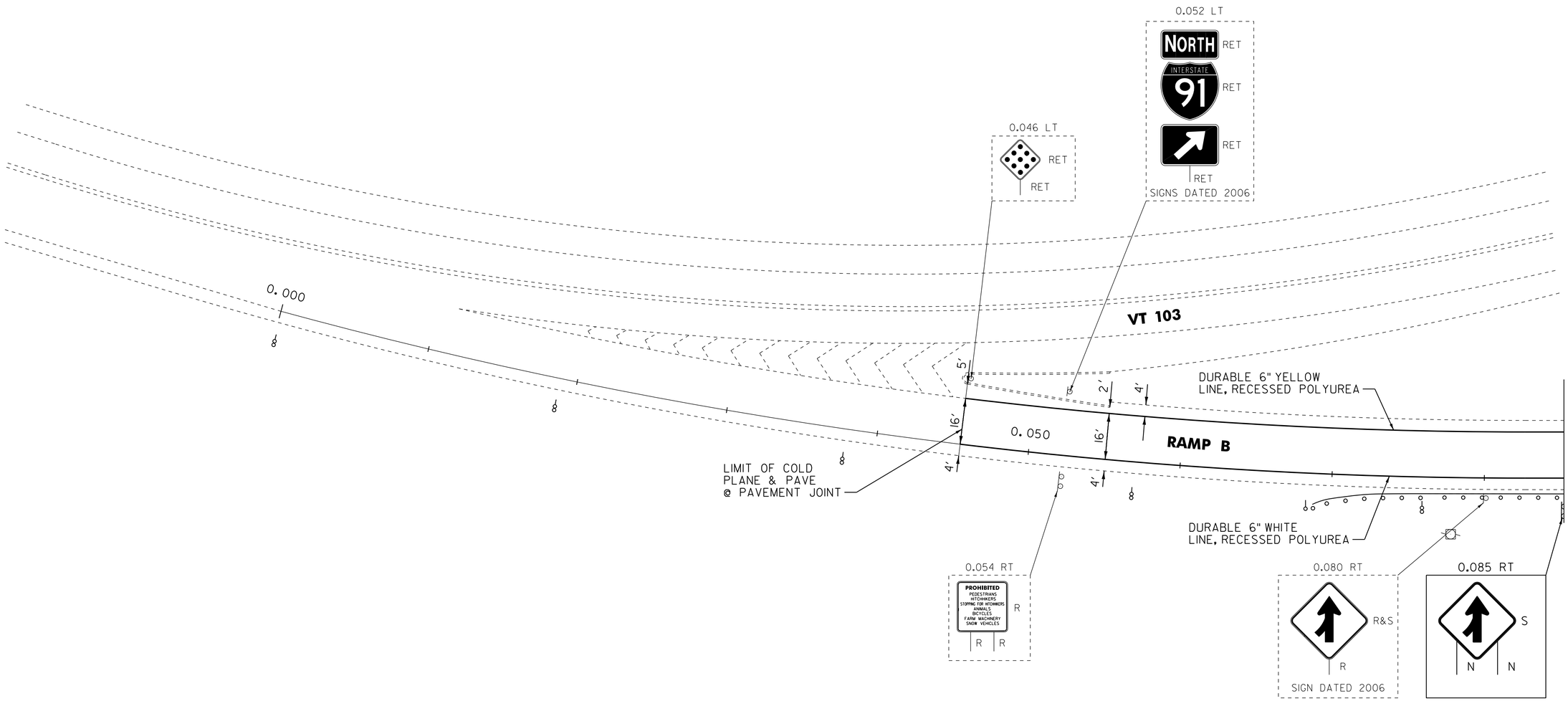
203.40 SHOULDER BERM REMOVAL
0.081 TO 0.085 RT

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

676.10 DELINEATOR WITH STEEL POST
0.069 RT

NOTE:
REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

EXIT 6 NB ON RAMP DETAIL SHEET 1

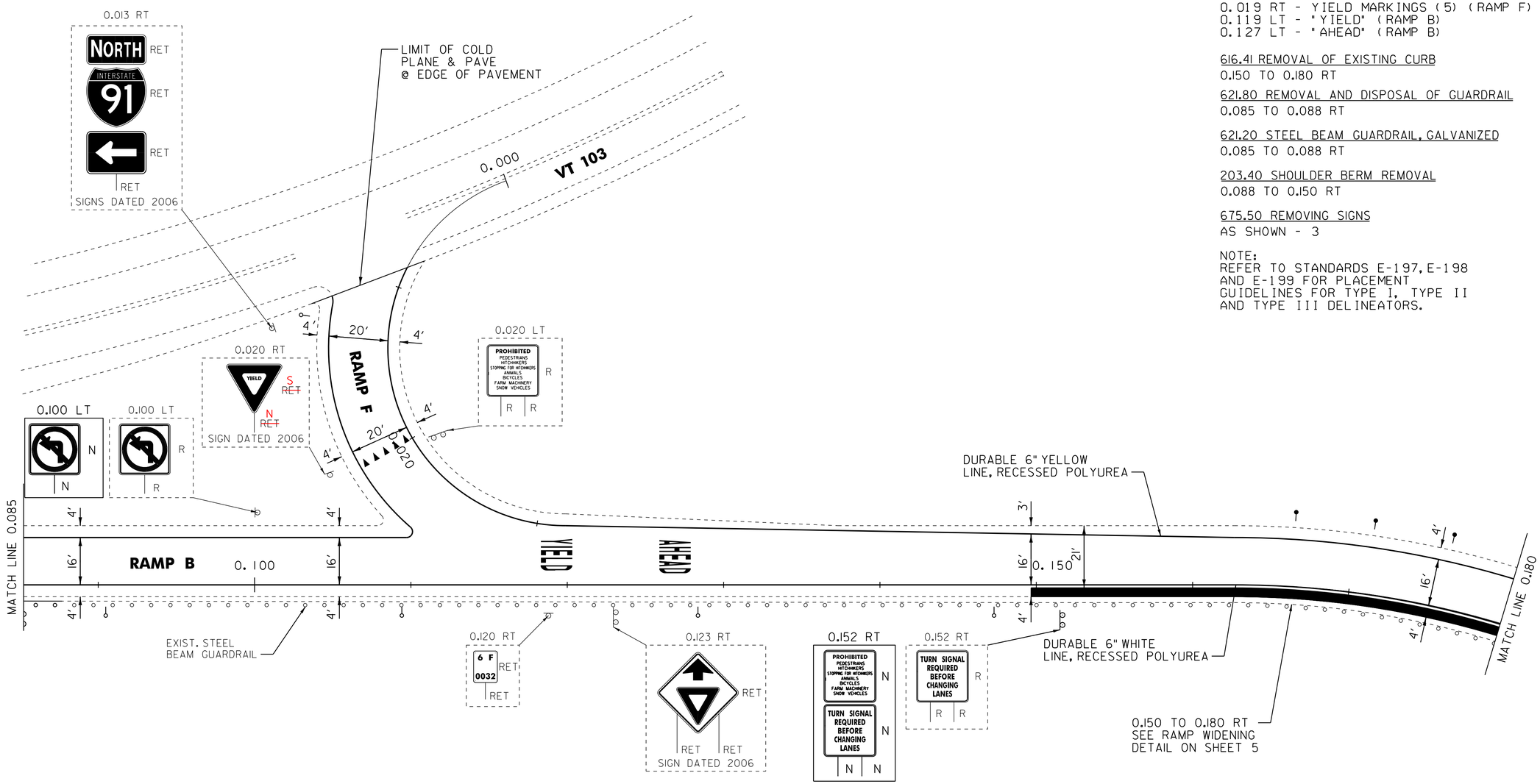
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_23

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 23 OF 43

EXIT 6 – RAMP B & F
NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES



NOT TO SCALE

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.011 TO 0.022 SOLID RT (RAMP F)
0.085 TO 0.180 SOLID RT (RAMP B)

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.008 TO 0.032 SOLID RT (RAMP F)
0.085 TO 0.108 SOLID LT (RAMP B)
0.120 TO 0.180 SOLID LT (RAMP B)

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.022 TO 0.024 SOLID RT (RAMP F)
0.108 TO 0.111 SOLID LT (RAMP B)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.019 RT - YIELD MARKINGS (5) (RAMP F)
0.119 LT - "YIELD" (RAMP B)
0.127 LT - "AHEAD" (RAMP B)

616.41 REMOVAL OF EXISTING CURB
0.150 TO 0.180 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.085 TO 0.088 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.085 TO 0.088 RT

203.40 SHOULDER BERM REMOVAL
0.088 TO 0.150 RT

675.50 REMOVING SIGNS
AS SHOWN - 3

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

EXIT 6 NB ON RAMP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_24

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 24 OF 43

EXIT 6 – RAMP B
NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.180 TO 0.188 SOLID RT
35.402 TO 35.478 DOTTED RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.180 TO 0.188 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.188 TO 0.200 SOLID LT (RAMP B)
35.384 TO 35.402 SOLID RT (I-91)

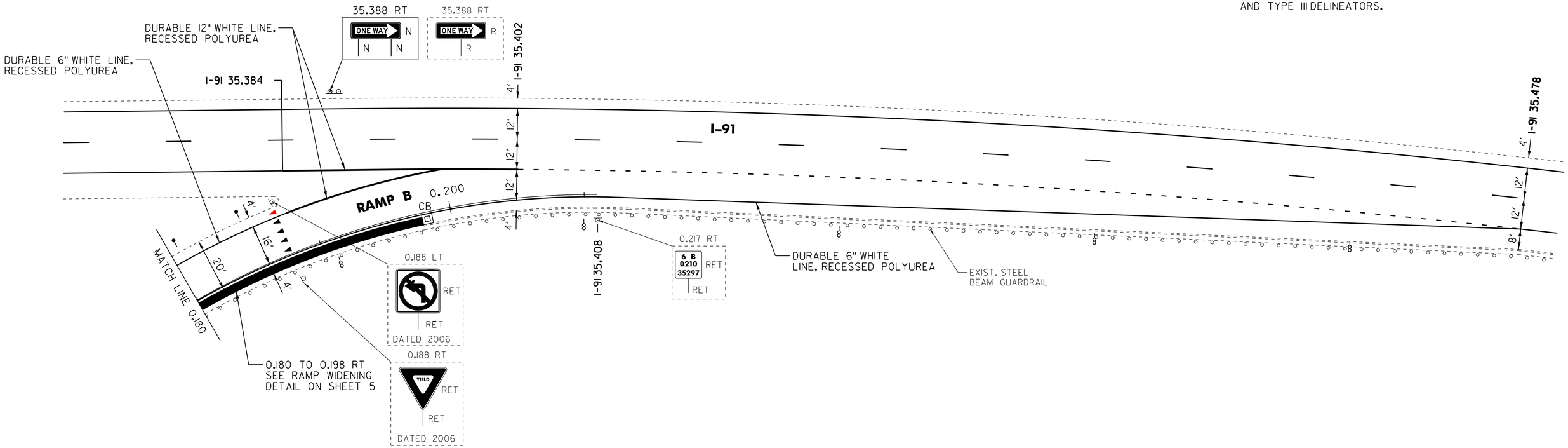
646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.188 LT - YIELD MARKINGS (~~4~~) 5

604.40 CHANGING ELEVATION OF DROP INLETS, CATCH BASINS OR MANHOLES
0.198 RT (CB)

616.41 REMOVAL OF EXISTING CURB
0.180 TO 0.198 RT

675.50 REMOVING SIGNS
AS SHOWN - 1

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

EXIT 6 NB ON RAMP DETAIL SHEET 3

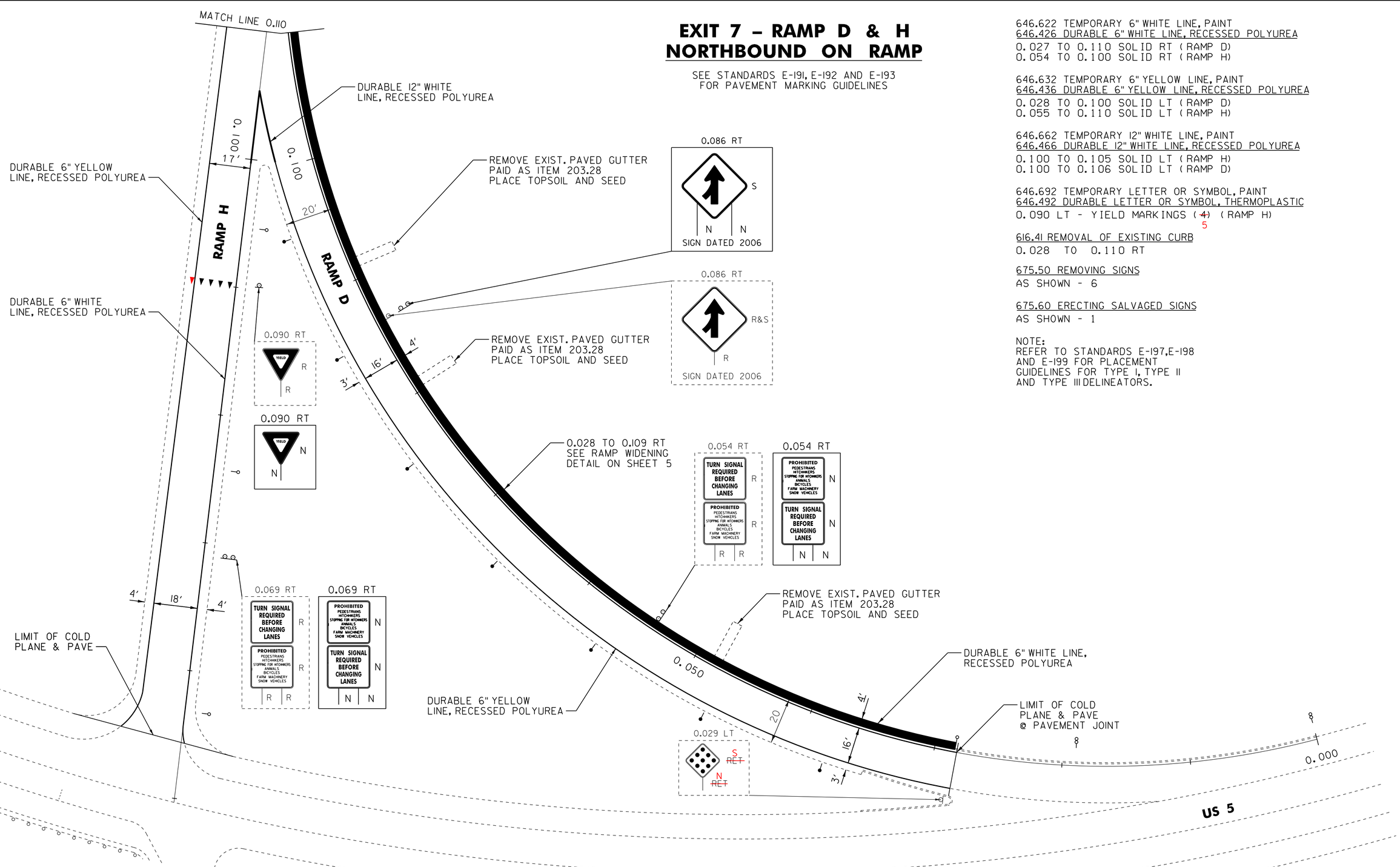
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_25

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 25 OF 43

EXIT 7 – RAMP D & H
NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES



646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.027 TO 0.110 SOLID RT (RAMP D)
0.054 TO 0.100 SOLID RT (RAMP H)

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.028 TO 0.100 SOLID LT (RAMP D)
0.055 TO 0.110 SOLID LT (RAMP H)

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.100 TO 0.105 SOLID LT (RAMP H)
0.100 TO 0.106 SOLID LT (RAMP D)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.090 LT - YIELD MARKINGS (~~4~~ 5) (RAMP H)

616.41 REMOVAL OF EXISTING CURB
0.028 TO 0.110 RT

675.50 REMOVING SIGNS
AS SHOWN - 6

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

NOTE:
REFER TO STANDARDS E-197,E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

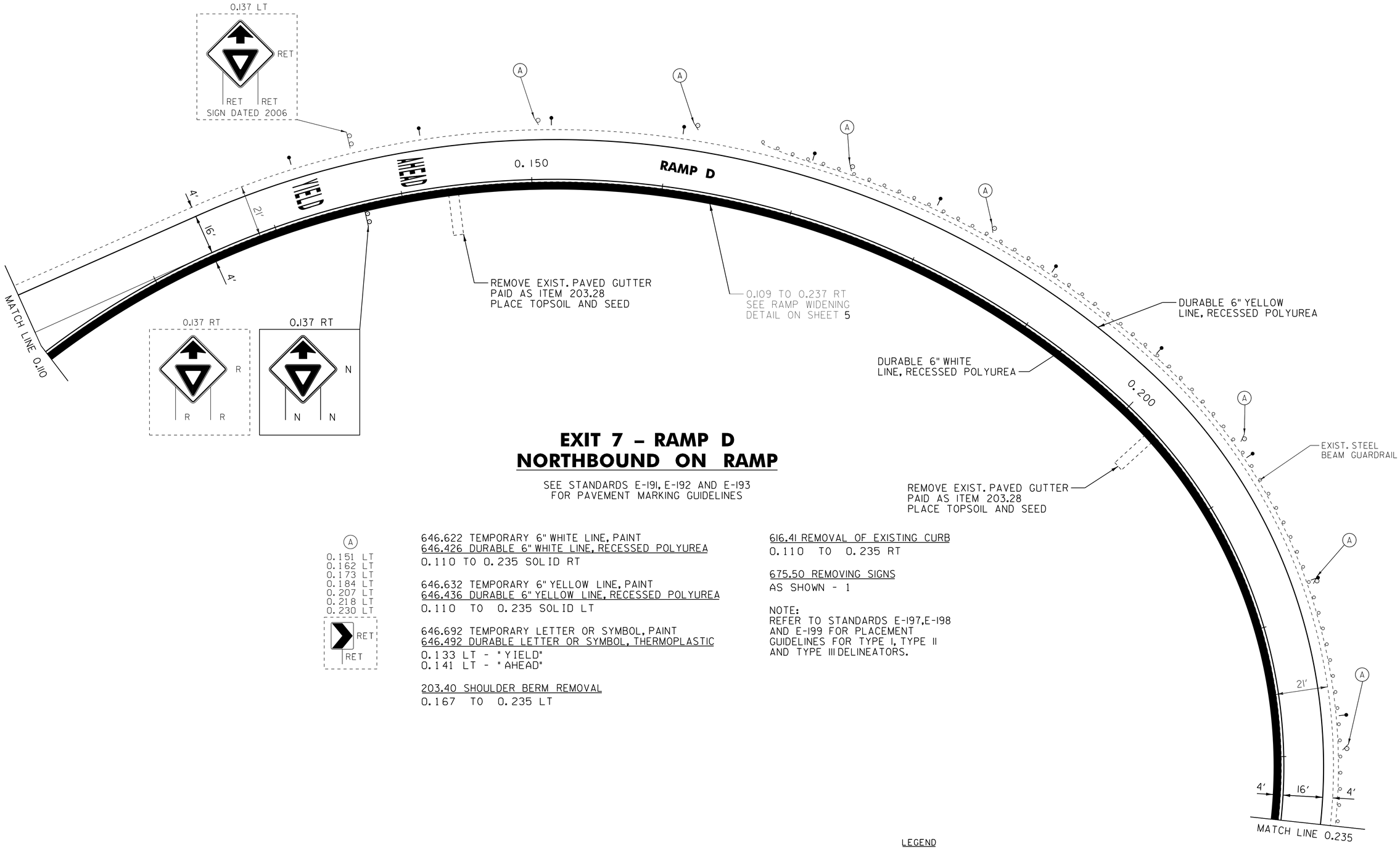
NOT TO SCALE

EXIT 7 NB ON RAMP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_26

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 26 OF 43



EXIT 7 – RAMP D
NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

Ⓐ
0.151 LT
0.162 LT
0.173 LT
0.184 LT
0.207 LT
0.218 LT
0.230 LT

RET
RET

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.110 TO 0.235 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.110 TO 0.235 SOLID LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.133 LT - "YIELD"
0.141 LT - "AHEAD"

203.40 SHOULDER BERM REMOVAL
0.167 TO 0.235 LT

616.41 REMOVAL OF EXISTING CURB
0.110 TO 0.235 RT

675.50 REMOVING SIGNS
AS SHOWN - 1

NOTE:
REFER TO STANDARDS E-197,E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.

NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

EXIT 7 NB ON RAMP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_27

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 27 OF 43

EXIT 7 – RAMP D
NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.235 TO 0.327 SOLID RT
41.656 TO 41.704 DASHED RT
41.674 TO 41.704 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.235 TO 0.259 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.259 TO 0.309 SOLID LT
41.604 TO 41.656 SOLID RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.255 LT - YIELD MARKINGS (4)5

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.245 TO 0.250 LT
0.291 TO 0.303 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.245 TO 0.250 LT
0.248 TO 0.303 RT

621.50 MANUFACTURED TERMINAL SECTION (FLARED)
0.241 TO 0.248 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
0.250 LT

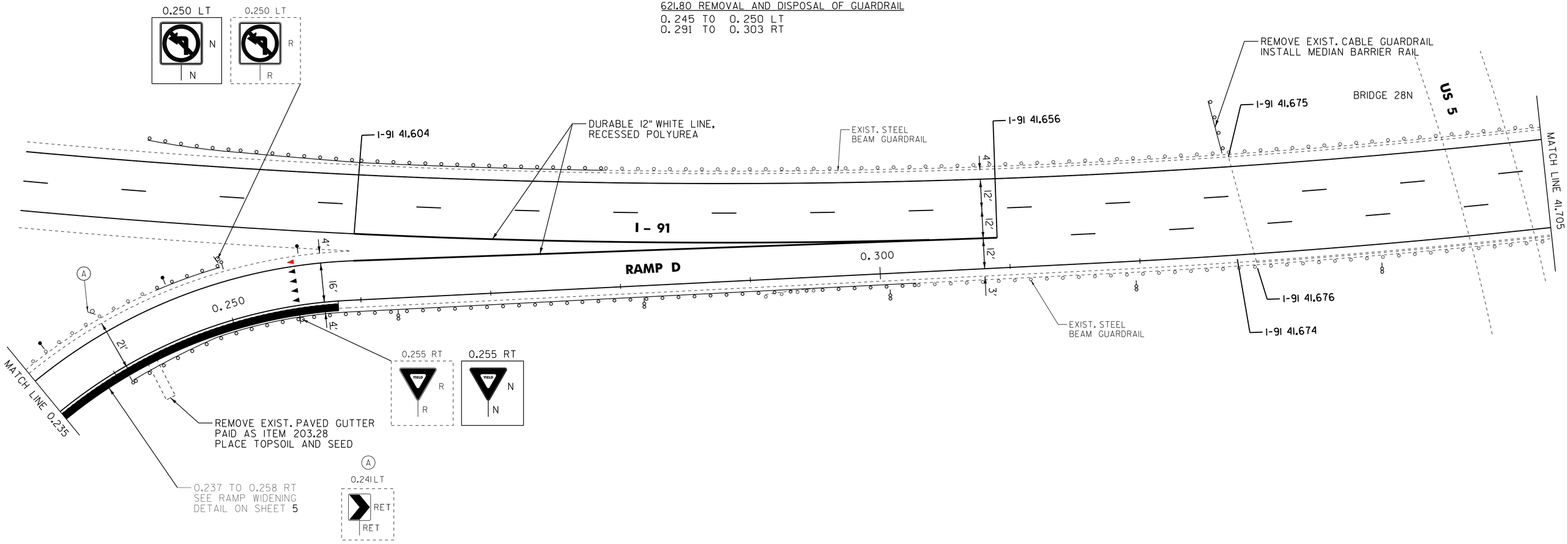
203.40 SHOULDER BERM REMOVAL
0.235 TO 0.245 LT
0.303 TO 41.676 RT

616.41 REMOVAL OF EXISTING CURB
0.235 TO 0.258 RT

675.50 REMOVING SIGNS
AS SHOWN - 2

676.10 DELINEATOR WITH STEEL POST
0.241 RT
0.250 LT

NOTE:
REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.



NOT TO SCALE

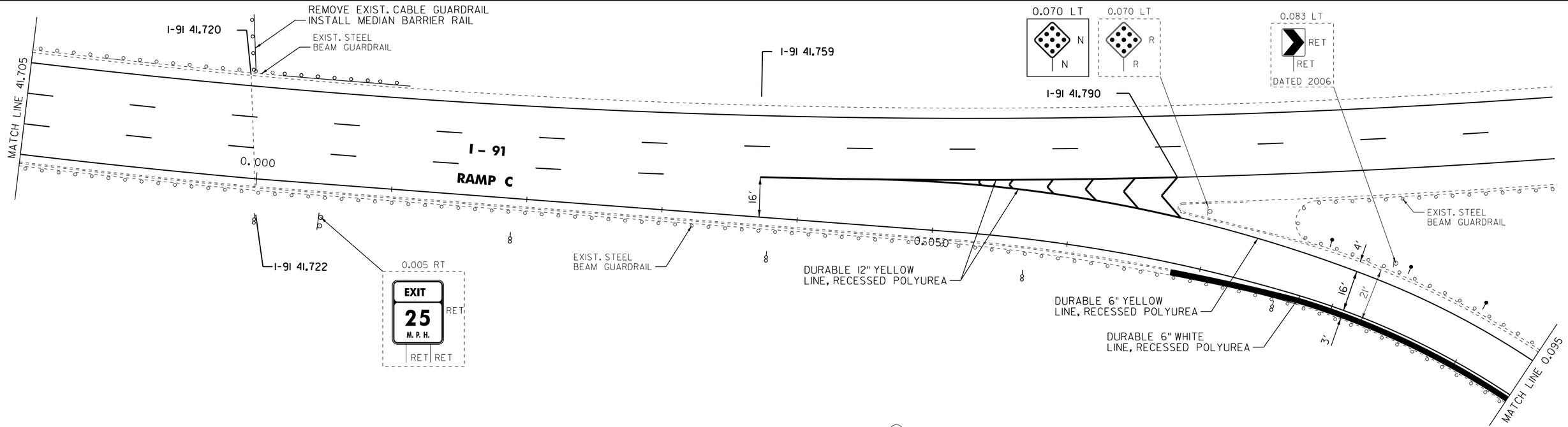
LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

EXIT 7 NB ON RAMP DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_28
PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 28 OF 43



EXIT 7 – RAMP C
NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.000 TO 0.180 SOLID RT
41.705 TO 41.759 DASHED RT
41.705 TO 41.722 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.068 TO 0.180 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.045 TO 0.068 SOLID LT
41.759 TO 41.790 SOLID RT
41.776 TO 41.790 SOLID RT (GORE STRIPES)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.119 RT - "STOP"
0.127 RT - "AHEAD"

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.096 TO 0.101 RT
0.116 TO 0.120 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.096 TO 0.101 RT
0.116 TO 0.120 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
0.101 RT
0.120 LT

616.41 REMOVAL OF EXISTING CURB
0.068 TO 0.174 RT

203.40 SHOULDER BERM REMOVAL
0.077 TO 0.116 LT

613.10 STONE FILL, TYPE I
0.107 RT

675.50 REMOVING SIGNS
AS SHOWN - 1

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 12

676.10 DELINEATOR WITH STEEL POST
0.101 RT
0.120 LT

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

NOT TO SCALE

EXIT 7 NB OFF RAMP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_29
PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 29 OF 43

EXIT 7 – RAMP C & G
NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.180 TO 0.285 SOLID RT (RAMP C)
0.271 TO 0.285 SOLID RT (RAMP G)

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.180 TO 0.246 SOLID LT (RAMP C)
0.246 TO 0.285 SOLID LT (RAMP G)
0.270 TO 0.285 SOLID LT (RAMP C)

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.265 TO 0.270 SOLID LT (RAMP C)
0.265 TO 0.271 SOLID RT (RAMP G)

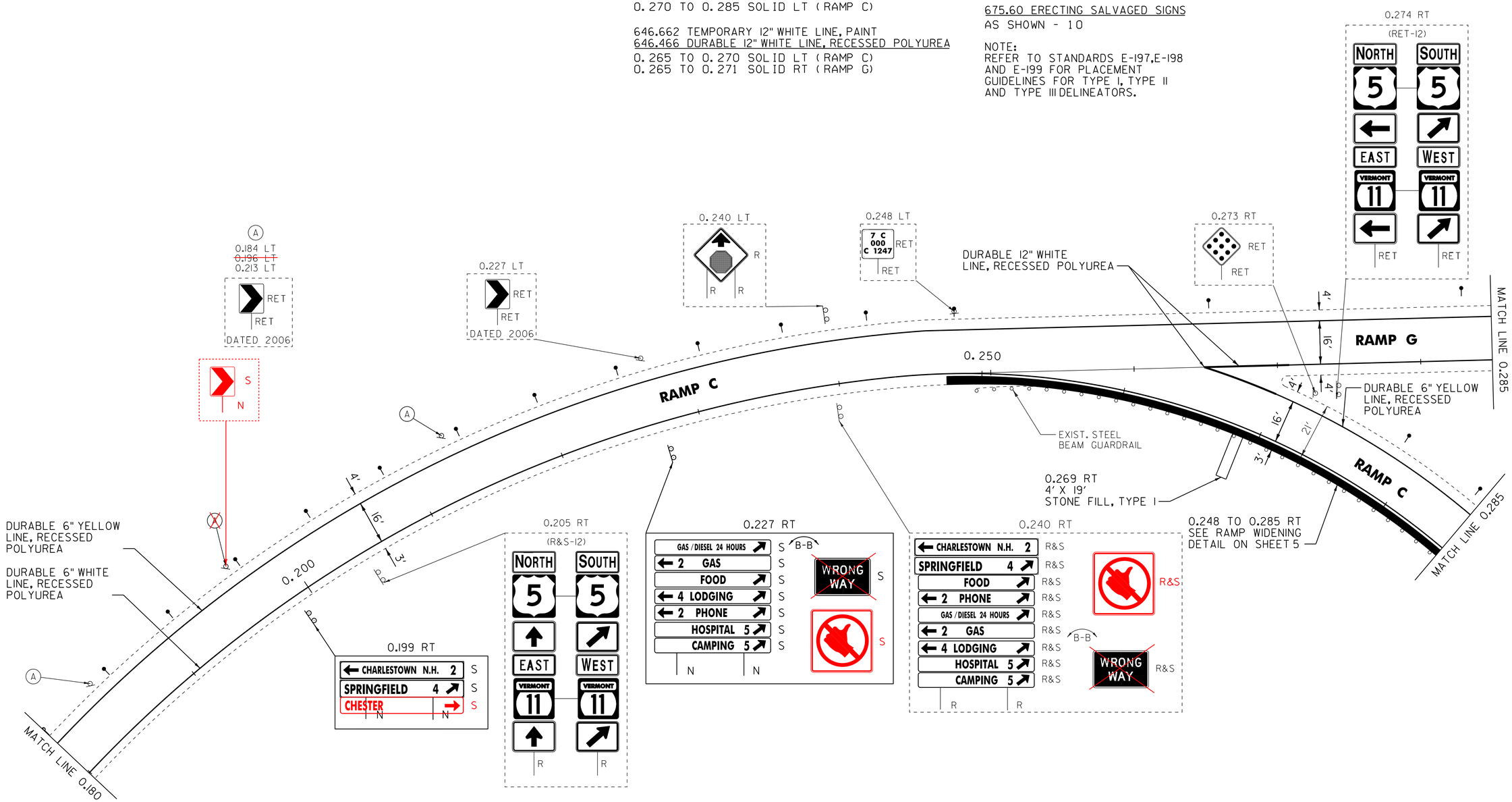
616.41 REMOVAL OF EXISTING CURB
0.247 TO 0.285 RT (RAMP C)

613.10 STONE FILL, TYPE I
0.269 RT (RAMP C)

675.50 REMOVING SIGNS
AS SHOWN - 23

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 10

NOTE:
REFER TO STANDARDS E-197,E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.



NOTE:
TOWN SIGN INSTALLED ACCORDING TO PLANS IN 2010. SIGN WAS HIT OVER THE WINTER AND INSTALLED OVER THE HOSPITALITY SIGN AT 0.227 RT BY DISTRICT. CHESTER SIGN WAS ADDED OVER THE WINTER AND INSTALLED AT THE CORRECT LOCATION AGAIN DURING 2011 CONSTRUCTION.

NOT TO SCALE

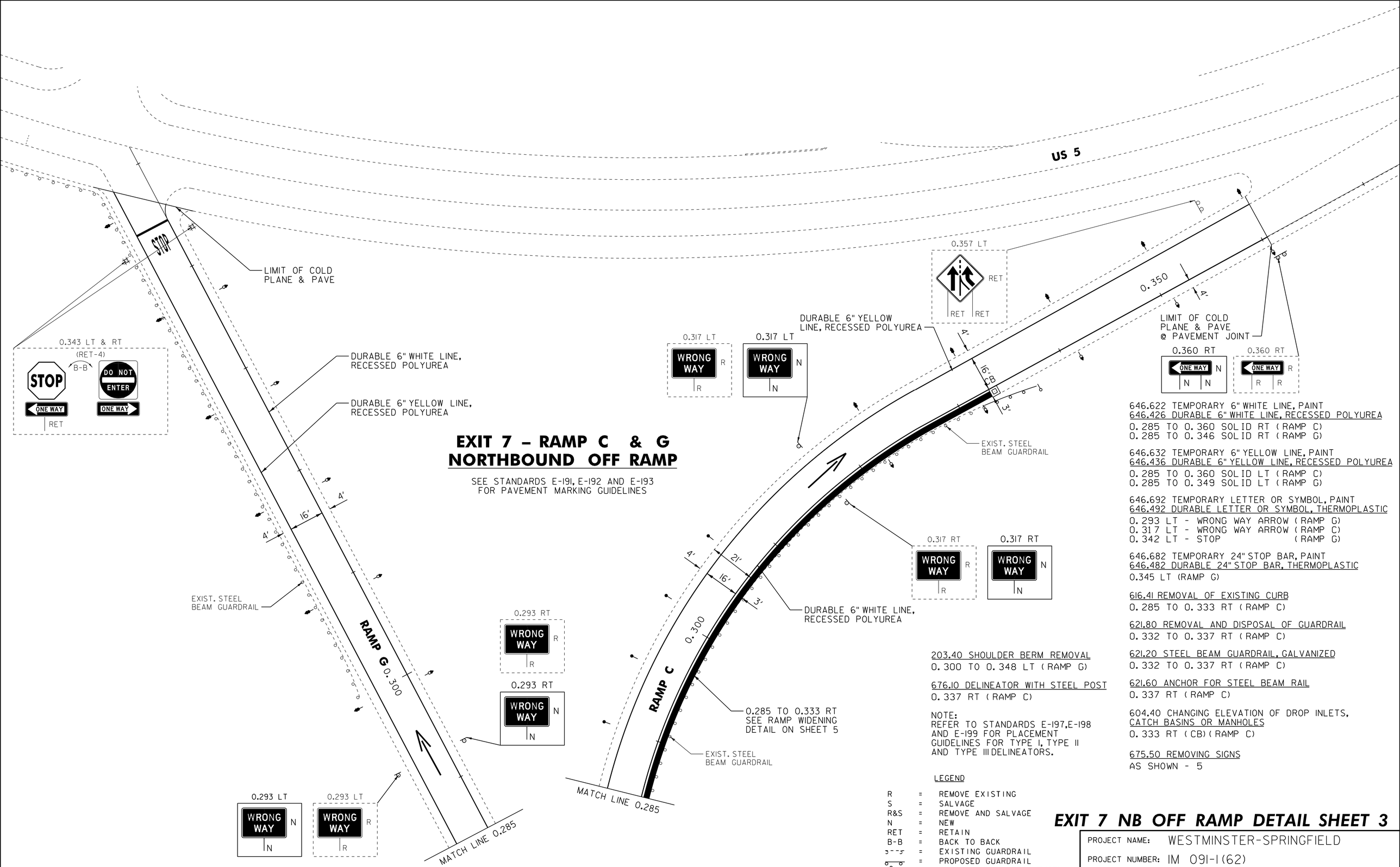
LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

EXIT 7 NB OFF RAMP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_30
PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 30 OF 43



EXIT 7 – RAMP C & G NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193 FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.285 TO 0.360 SOLID RT (RAMP C)
0.285 TO 0.346 SOLID RT (RAMP G)

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.285 TO 0.360 SOLID LT (RAMP C)
0.285 TO 0.349 SOLID LT (RAMP G)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.293 LT - WRONG WAY ARROW (RAMP G)
0.317 LT - WRONG WAY ARROW (RAMP C)
0.342 LT - STOP (RAMP G)

646.682 TEMPORARY 24" STOP BAR, PAINT
646.482 DURABLE 24" STOP BAR, THERMOPLASTIC
0.345 LT (RAMP G)

616.41 REMOVAL OF EXISTING CURB
0.285 TO 0.333 RT (RAMP C)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.332 TO 0.337 RT (RAMP C)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.332 TO 0.337 RT (RAMP C)

621.60 ANCHOR FOR STEEL BEAM RAIL
0.337 RT (RAMP C)

604.40 CHANGING ELEVATION OF DROP INLETS, CATCH BASINS OR MANHOLES
0.333 RT (CB)(RAMP C)

675.50 REMOVING SIGNS
AS SHOWN - 5

203.40 SHOULDER BERM REMOVAL
0.300 TO 0.348 LT (RAMP G)

676.10 DELINEATOR WITH STEEL POST
0.337 RT (RAMP C)

NOTE:
REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
	=	TYPE I DELINEATOR, WHITE
	=	TYPE I DELINEATOR, AMBER
	=	TYPE II DELINEATOR, WHITE
	=	TYPE III DELINEATOR, RIGHT
	=	TYPE III DELINEATOR, LEFT

NOT TO SCALE

EXIT 7 NB OFF RAMP DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_31
PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 31 OF 43

REFERENCE COMPUTATION BINDER SECTION 675.XXX FOR SIGN INSTALLATION LOCATIONS AND QUANTITIES.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #1

SHS = FHWA STANDARD HIGHWAY SIGNS BOOK

MILEMARKER, 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	SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL				SIGN FRAME REQUIRED		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.75	2.0	2.5	ANCHOR SLEEVE	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE 24"	FTG. SIZE 30"	WEIGHT	POST SIZE				
												lb/ft				lb/ft				lb/ft											
												1.88	2.42	3.35		1.3	1.7	1.7		7.6	9.0	10.8	14.6								
I-91 NB 30.000 RT 31.000 RT 32.000 RT 33.000 RT 34.000 RT 35.000 RT 36.000 RT 37.000 RT 38.000 RT 39.000 RT 40.000 RT 41.000 RT 42.000 RT 43.000 RT 44.000 RT	MILE XX	15	12	36	45						15		X		15													DIO-2		E-139
EXIT 6 RAMP A NB OFF RAMP																														
0.099 LT		1	18	18	2.25						1	X			X													OMI-1		
0.228 RT		1	36	36	9.00						1		X		X													W1-2R		SHS
	35 M.P.H.	1	24	24	4.00																							W13-1		SHS
0.228 LT		1	36	36	9.00						1		X		X													W1-2R		SHS
	35 M.P.H.	1	24	24	4.00																							W13-1		SHS
0.307 RT		1	36	36	9.00						2		X		X													W3-1A		SHS
0.307 LT		1	36	36	9.00						2		X		X													W3-1A		SHS
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."												FT 15.0	FT 315.0	FT		EA	LB	LB	LB		LB	LB	LB	LB							
SHEET TOTALS		SF 91.25			SF	EA. 0	EA.					FT 330.00					LB			EA.	LB				EA.	EA.	LB			

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: $FILEABBREV$
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_32

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 32 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #2

SHS = FHWA STANDARD HIGHWAY SIGNS BOOK

MILEMARKER, 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	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 Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.354 RT	NORTH TO SOUTH						I				2									2	186.2												
	5 VERMONT 103 5						I																							#3			
	← ← →						I																										
0.402 RT	← ROCKINGHAM 4 ← CHESTER 10 ← LUDLOW 22 ← RUTLAND 47 BELLOWS FALLS 3 →						I				2									2	220.4												
0.375 LT 0.398 LT 0.425 LT	→	3	24	30	15.00						3		X		X															WI-8	FLUORESCENT YELLOW TYPE IX SHEETING		SHS
0.448 LT	→	1	24	30	5.00						1		X		X															WI-8	FLUORESCENT YELLOW TYPE IX SHEETING		SHS
0.449 LT	WRONG WAY	1	36	24	6.00						2		X		X															R5-1A			SHS
		1	24	24	4.00																									R9-4A			SHS
0.449 RT	← GAS / DIESEL 2 → GAS 24 HRS. 2 → FOOD 3 → LODGING → ← PHONE 3 → ← 7 STATE POLICE						I				2		X		X																		
	WRONG WAY	1	36	24	6.00																									R5-1A MOUNTED ON BACK OF SERVICE SIGN			SHS
0.501 LT	STOP DO NOT ENTER	1 1	30 30	30 30	6.25 6.25						1		X		X															R1-1 R5-1	BACK TO BACK		SHS SHS
	ONE WAY ONE WAY	1 1	36 36	12 12	3.00 3.00																									R6-1L R6-1R	BACK TO BACK		SHS SHS
SHEET TOTAL		SF 54.50	SF	EA. 20	EA.							FT 135.0					LB			EA. 4	LB 406.6				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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: $FILEABBREV$
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_33

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 33 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #3

SHS = FHWA STANDARD HIGHWAY SIGNS BOOK

MILEMARKER, 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	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 Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.501 RT	STOP / DO NOT ENTER	1	30	30	6.25						1		X		X																RI-1	BACK TO BACK		SHS
		1	30	30	6.25																										R5-1			SHS
	ONE WAY / ONE WAY	1	36	12	3.00																										R6-1L	BACK TO BACK		SHS
		1	36	12	3.00																										R6-1R			SHS
	0050 1314 0334	1	6	10	0.42																											BACK TO BACK		
US 5	NORTH / TO	1	24	12	2.00						2		X		X																M3-1 BLACK ON WHITE			
		1	24	12	2.00																									#2	M3-1 GREEN ON WHITE		
	5 / VERMONT 103	1	24	24	4.00																										M1-4 BLACK ON WHITE		
		1	30	24	5.00																										M1-5 GREEN ON WHITE		
		1	21	15	2.19																										M6-1L BLACK ON WHITE		
		1	21	15	2.19																										M6-1L GREEN ON WHITE		
US 5	SOUTH	1	24	12	2.00						1		X		X																M3-3 BLACK ON WHITE		
	5	1	24	24	4.00																										M1-4 BLACK ON WHITE		
		1	21	15	2.19																										M6-1R BLACK ON WHITE		
US 5		1	48	24	8.00						2		X		X																		
EXIT 6 RAMP B NB ON RAMP																																	
0.085 RT							1				2		X		X																W4-1		SHS
0.100 LT		1	30	30	6.25						1		X		X																R3-2		SHS
SHEET TOTAL		SF 58.74	SF		EA. 1	EA.					FT 135						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 VTRANS "SIGN POST DESIGN GUIDELINE."

FT FT 135 FT EA LB LB LB LB LB LB LB

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: $FILEABBREV$
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_34

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 34 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #4

SHS = FHWA STANDARD HIGHWAY SIGNS BOOK

MILEMARKER, 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	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 Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.152 RT	PROHIBITED PEDESTRIANS HITCHHIKERS STOPPING FOR HITCHHIKERS ANIMALS BICYCLES FARM MACHINERY SNOW VEHICLES	1	36	36	9.00						2		X		X															VR-046		E-142
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00																										VR-002		E-146
35.388 RT	ONE WAY	1	36	12	3.00						2		X		X															R6-1R		SHS
EXIT 7 RAMP D NB ON RAMP																																	
0.054 RT	PROHIBITED PEDESTRIANS HITCHHIKERS STOPPING FOR HITCHHIKERS ANIMALS BICYCLES FARM MACHINERY SNOW VEHICLES	1	36	36	9.00						2		X		X															VR-046		E-142
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00																										VR-002		E-142
0.086 RT							1				2		X		X															W4-1		SHS
0.137 RT		1	36	36	9.00						2		X		X															W3-2A		SHS
0.250 LT		1	30	30	6.25						1		X		X															R3-2		SHS
0.255 RT	YIELD	1			3.90						1		X		X															RI-2 36"X36"X36"		SHS
EXIT 7 RAMP H NB ON RAMP 0.069 RT																																	
0.069 RT	PROHIBITED PEDESTRIANS HITCHHIKERS STOPPING FOR HITCHHIKERS ANIMALS BICYCLES FARM MACHINERY SNOW VEHICLES	1	36	36	9.00						2		X		X															VR-046		E-142
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00																										VR-002		E-142
0.090 RT	YIELD	1			3.90						1		X		X															RI-2 36"X36"X36"		SHS

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

	SF	SF	EA.	EA.	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB
					225.0															
SHEET TOTAL	80.05		1		225.0															

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

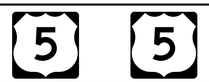
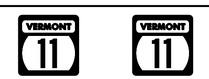
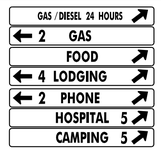
FILE NAME: $FILEABBREV$
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_35

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 35 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #5

SHS = FHWA STANDARD HIGHWAY SIGNS BOOK

MILEMARKER, 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	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 Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
EXIT 7 RAMP C NB OFF RAMP																																	
0.070 LT		1	18	18	2.25						1	X			X																OMI-1		
0.123 RT		1	36	36	9.00						2		X		X																W3-1A		SHS
0.161 RT											2									2	220.4								#2			
																																	
																																	
																														#2			
																																	
																																	
0.199 RT											2		X		X																		
0.227 RT											2									2	176.4												
																															MOUNTED ON BACK OF SERVICE SIGN		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."												FT 15.0	FT 60.0	FT		EA	LB	LB	LB		LB 396.8	LB	LB	LB									
PROJECT TOTALS		SF 11.25	SF	EA. 22	EA.		FT 75.0										LB			EA. 4	LB 396.8				EA.	EA.	LB					

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: $FILEABBREV$
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_36

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 36 OF 43

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #6

SHS = FHWA STANDARD HIGHWAY SIGNS BOOK

MILEMARKER, 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	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 Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.317 RT	WRONG WAY	1	36	24	6.00						1		X		X																R5-1A		SHS
0.317 LT	WRONG WAY	1	36	24	6.00						1		X		X																R5-1A		SHS
0.360 RT	ONE WAY	1	36	12	3.00						2		X		X																R6-1L		SHS
EXIT 7 RAMP G NB OFF RAMP																																	
0.293 RT	WRONG WAY	1	36	24	6.00						1		X		X																R5-1A		SHS
0.293 LT	WRONG WAY	1	36	24	6.00						1		X		X																R5-1A		SHS
SUBTOTAL SHEET 32 SUBTOTAL SHEET 33 SUBTOTAL SHEET 34 SUBTOTAL SHEET 35					91.25 54.50 58.74 80.05		0 20 1 1				15.0 0.0 0.0 0.0		315.0 135.0 135.0 225.0								4	406.6											
SUBTOTAL SHEET 36 SUBTOTAL SHEET 37					11.25 27.00		22 0				15.0 0.0		60.0 90.0								4	396.8											
ROUNDING					7.21		0.0						10.0									1.6											
											FT	FT	FT		EA	LB	LB	LB		LB													
											30.0	970.0								805.0													
PROJECT TOTALS		SF			SF		EA.		EA.			FT					LB			EA.		LB			EA.		EA.		LB				
		330.0					44					1000.0								8		805.0											

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

TRAFFIC SIGN SUMMARY SHEET #6

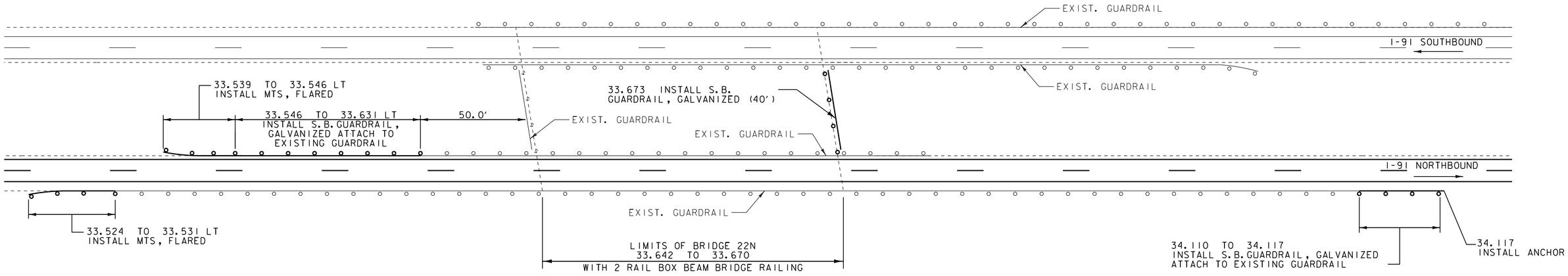
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: $FILEABBREV$
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_37

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 37 OF 43

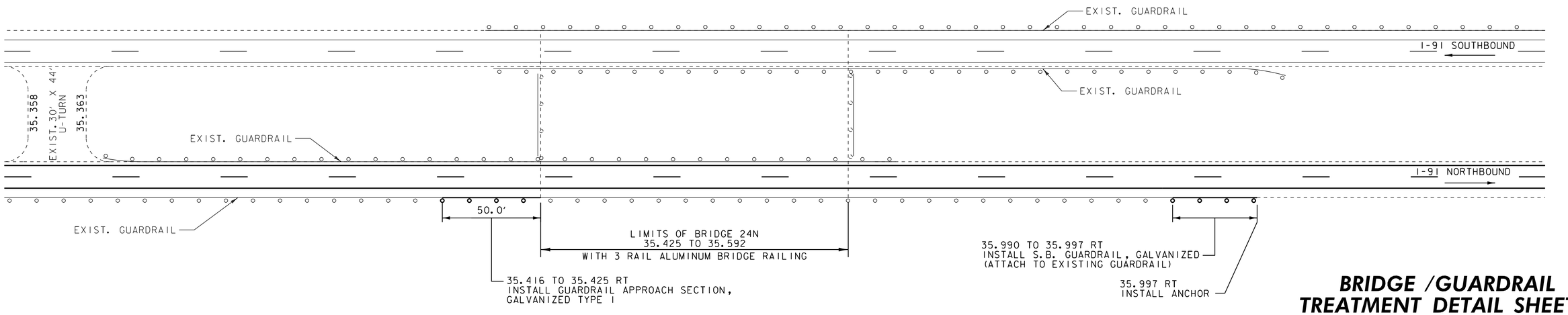
GUARDRAIL TREATMENT – BRIDGE 22N

BRIDGE 22N NORTHBOUND MM 33.641
INTERSTATE 91 OVER TH 46



GUARDRAIL TREATMENT – BRIDGE 24N

BRIDGE 24N NORTHBOUND MM 35.425
INTERSTATE 91 OVER GREEN MTN R.R.



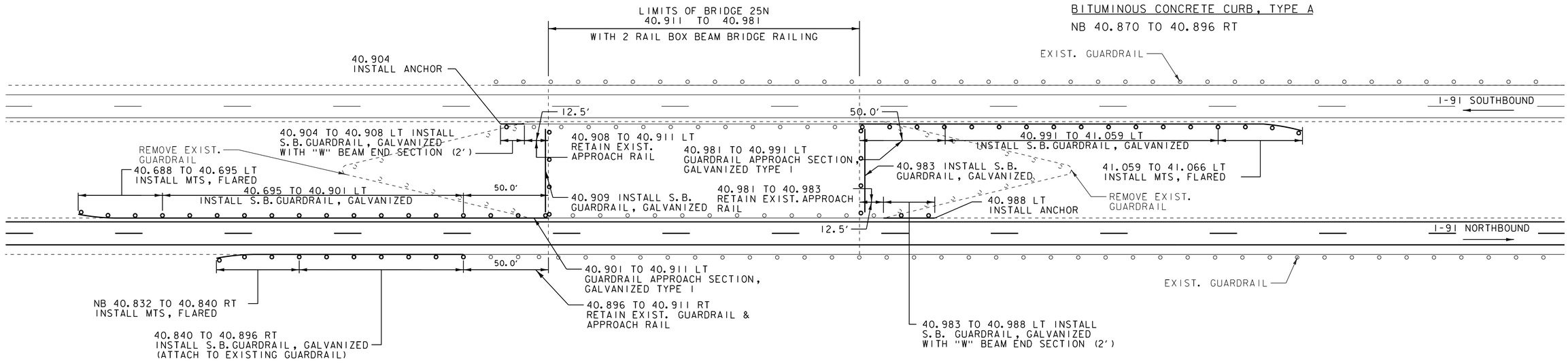
NOT TO SCALE

BRIDGE /GUARDRAIL TREATMENT DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD	
PROJECT NUMBER: IM 091-1(62)	
FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:44
PROJECT LEADER: PTS	DRAWN BY: JBZ
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 01a014_38	SHEET 38 OF 43

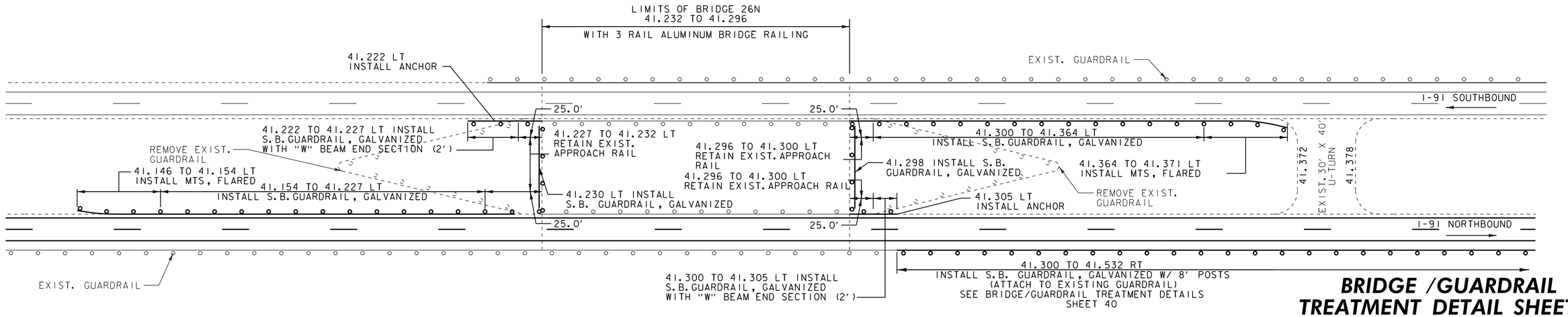
GUARDRAIL TREATMENT AT BULLNOSE LOCATION – BRIDGE 25N

BRIDGE 25N NORTHBOUND & SOUTHBOUND MM 40.922
INTERSTATE 91 OVER US ROUTE 5



GUARDRAIL TREATMENT AT BULLNOSE LOCATION – BRIDGE 26N

BRIDGE 26N NORTHBOUND & SOUTHBOUND MM 41.264
INTERSTATE 91 OVER BLACK RIVER



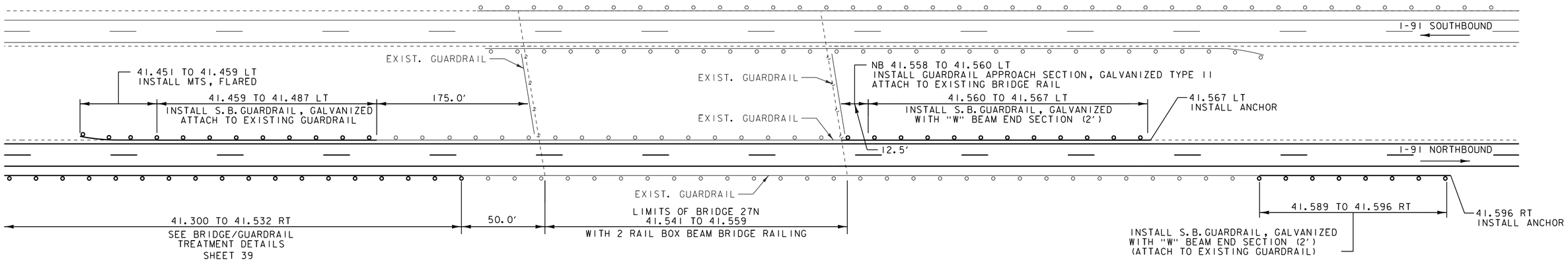
BRIDGE /GUARDRAIL TREATMENT DETAIL SHEET 2

NOT TO SCALE

PROJECT NAME:	WESTMINSTER-SPRINGFIELD
PROJECT NUMBER:	IM 091-1(62)
FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:44
PROJECT LEADER: PTS	DRAWN BY: JBZ
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 01a014_39	SHEET 39 OF 43

GUARDRAIL TREATMENT – BRIDGE 27N

BRIDGE 27N NORTHBOUND MM 41.550
INTERSTATE 91 OVER SPRINGFIELD BIKE PATH



GUARDRAIL TREATMENT – BRIDGE 28N

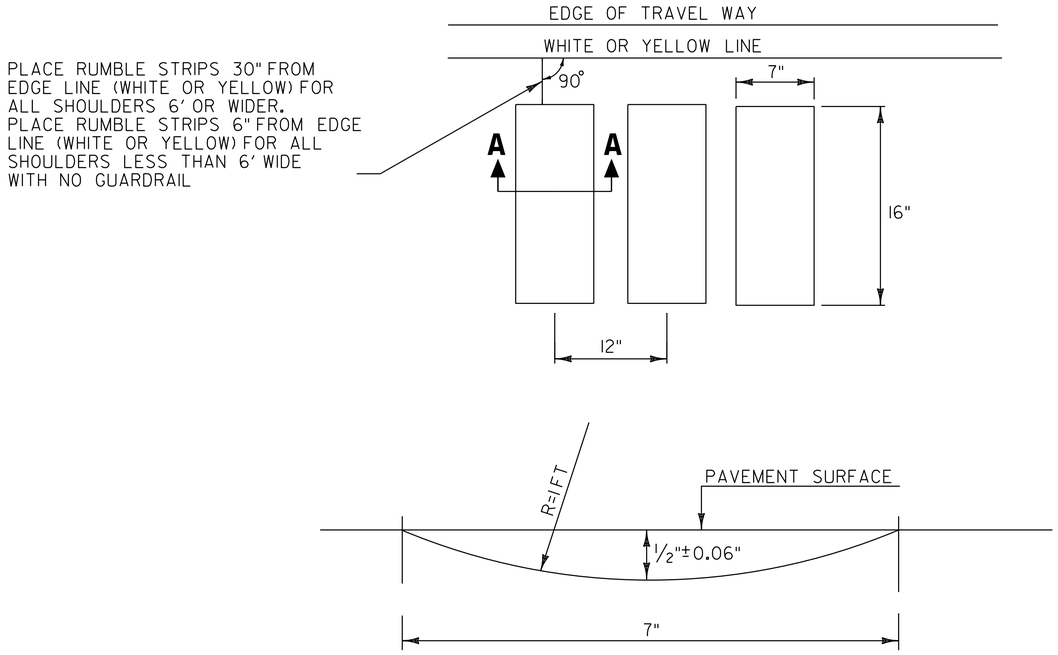
SEE SHEETS 28 AND 29

NOT TO SCALE

BRIDGE /GUARDRAIL TREATMENT DETAIL SHEET 3

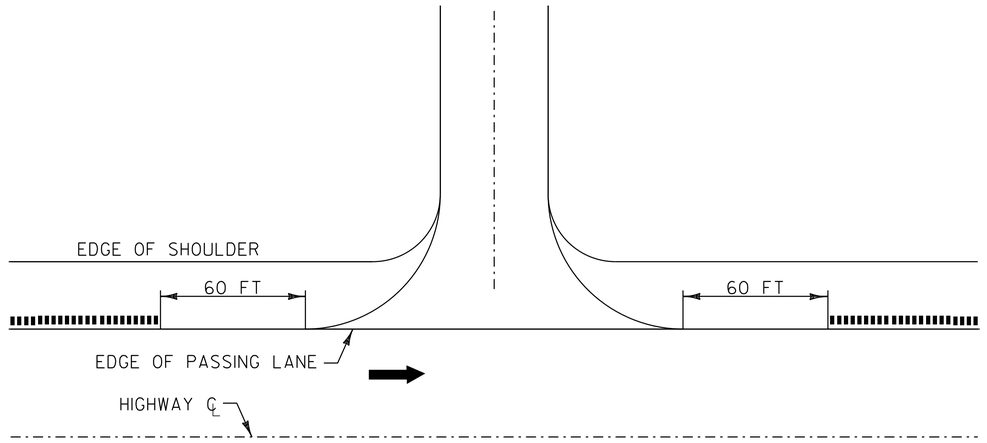
PROJECT NAME:	WESTMINSTER-SPRINGFIELD
PROJECT NUMBER:	IM 091-1(62)

FILE NAME:	/pave/01a014/pa014	PLOT DATE:	17-JAN-2013 12:44
PROJECT LEADER:	PTS	DRAWN BY:	HJD
DESIGNED BY:	NLL	CHECKED BY:	PTS
IPARM FILE NAME:	01a014_40	SHEET	40 OF 43

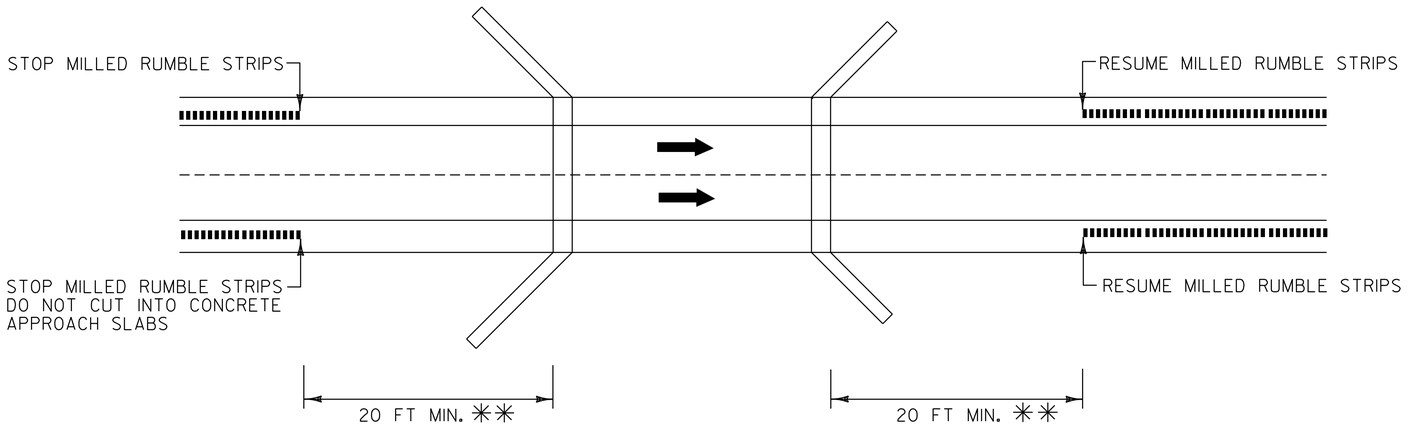


SECTION A–A

TYPICAL MILLING DETAIL



U–TURN DETAIL



✳✳ BRIDGE RAIL WILL DETERMINE MINIMUM DISTANCE IN SOME CASES.

BRIDGE DETAIL

NOT TO SCALE

LEGEND

DIRECTION OF TRAFFIC FLOW

MILLED RUMBLE STRIPS

MILLED RUMBLE STRIP DETAIL SHEET 1

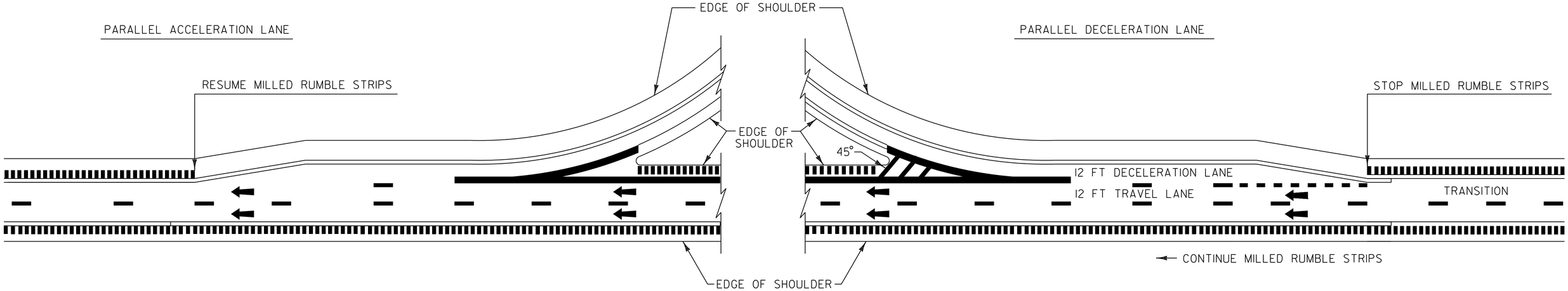
PROJECT NAME: WESTMINSTER-SPRINGFIELD

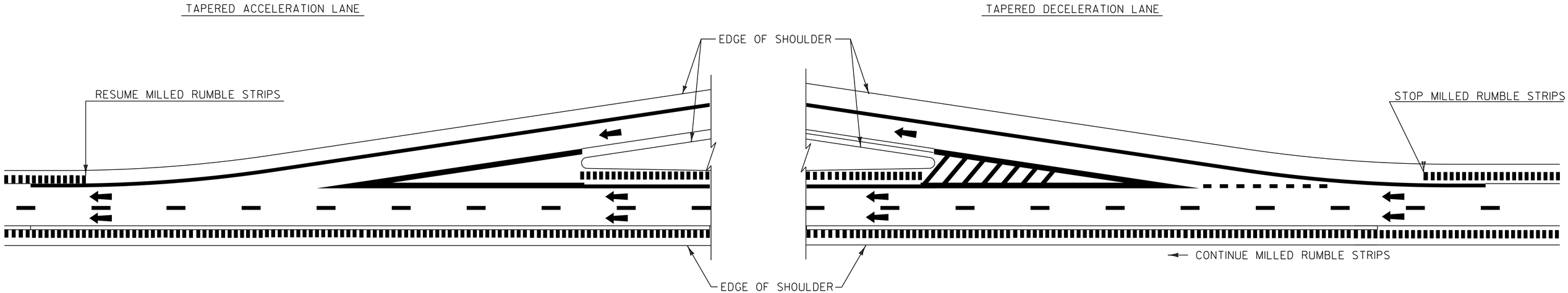
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_41

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 41 OF 43

TYPICAL MILLED RUMBLE STRIP DETAIL AT INTERCHANGES





NOTE:

1. THIS TYPICAL MAY BE MODIFIED AT THE DISCRETION OF THE RESIDENT ENGINEER IF ACTUAL FIELD CONDITIONS NECESSITATE SUCH ACTIONS.

NOT TO SCALE

LEGEND

DIRECTION OF TRAFFIC FLOW

MILLED RUMBLE STRIPS

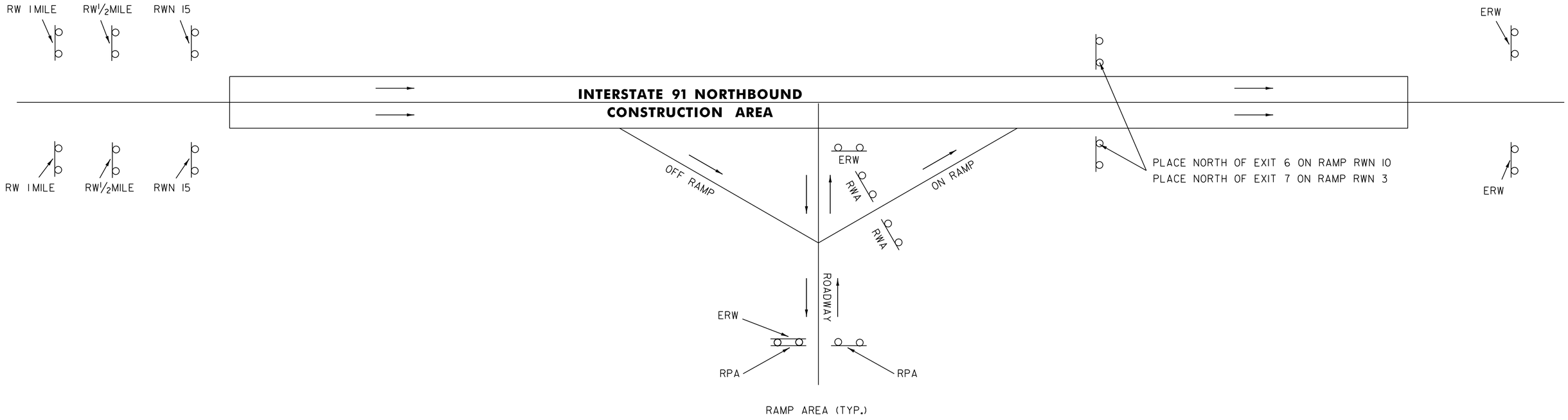
MILLED RUMBLE STRIP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_42

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 42 OF 43



RAMP AREA (TYP.)

SEE STANDARDS E-100, E-100A AND E-103 FOR SIGN PLACEMENT.

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD (RWA)	ROAD WORK 1 MILE (RW1)	END ROAD WORK (ERW)	ROAD WORK 1/2 MILE (RW1/2)	ROAD WORK NEXT 15 MILES (RWN15)	ROAD WORK NEXT 10 MILES (RWN10)	ROAD WORK NEXT 3 MILES (RWN3)	SIDE ROAD WORK AHEAD (RWA)	RAMP WORK AHEAD	RAMP PAVING AHEAD (RPA)	PCMS
I-91 NORTHBOUND											
BEGINNING OF PROJECT		2		2	2						1
EXIT 6 INTERCHANGE	2		2					2 (US 5)	2 (VT 103)		2
STATION 1874+00						2					
EXIT 7 INTERCHANGE	2		2							2	2
STATION 2218+00							2				
END OF PROJECT			2								
TOTAL	4	2	6	2	2	2	2	2	2	2	4

NOTES:

1. FIVE (5) PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PROVIDED FOR USE ALONG THIS PROJECT. THE CONTRACTOR SHALL POSITION A PORTABLE CHANGEABLE MESSAGE SIGN AT:

   *I-91 NORTHBOUND PRIOR TO THE PROJECT.

   *AT EXIT 6 ON VT 103 AND US 5 IN EACH DIRECTION.

   *AT EXIT 7 ON US 5 IN EACH DIRECTION.

2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE AND ALL ITS TEMPORARY CONSTRUCTION SIGNING SHALL BE INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.

NOT TO SCALE

LEGEND
RW 1MILE = ROAD WORK 1MILE
RW1/2MILE = ROAD WORK 1/2MILE
RWA = ROAD WORK AHEAD
RWN = ROAD WORK NEXT XX MILES
ERW = END ROAD WORK
RPA = RAMP PAVING AHEAD
→ = TRAFFIC FLOW ARROWS

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_43

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 43 OF 43