

GENERAL NOTES:

1. RIGHT OF WAY LIMITS SHOWN ARE EXISTING AND CONSIDERED APPROXIMATE. LIMITS WERE DETERMINED FROM TOWN TAX MAPPING.

2. SIGNS SHALL BE PLACED IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH VTRANS STANDARD E-121. LATERAL CLEARANCE FROM EDGE OF PAVEMENT TO THE EDGE OF THE SIGN SHOULD BE PER STANDARD. ALL SIGNS SHALL BE INSTALLED WITHIN THE TOWN OR STATE ROW AND SHALL BE HIGHLY VISIBLE TO VEHICULAR TRAFFIC. EXACT SIGN LOCATIONS SHALL BE REVIEWED IN THE FIELD WITH THE ENGINEER AND MUNICIPAL REPRESENTATIVE. SIGN LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING AND INSTALLATION.

3. VERTICAL CLEARANCE FROM EDGE OF PAVEMENT TO BOTTOM OF SIGN SHALL BE FOR URBAN LOCATIONS PER VTRANS STANDARD DRAWING E-121.

4. ALL EXISTING SIGNS NOT SHOWN ON THE PLANS SHALL BE RETAINED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

5. REMOVAL, THINNING OR TRIMMING OF TREES AND VEGETATION NECESSARY FOR SIGN PLACEMENT SHALL BE PAID UNDER ITEM 201.31 THINNING AND TRIMMING FOR SIGNS.

6. DIG SAFE NOTE: UTILITIES ARE NOT SHOWN ON PLANS. CONTRACTORS MUST CONTACT "DIG SAFE" AT 1 (888) 344-7233 [1 (888) DIG-SAFE] BEFORE EXCAVATING OR DRILLING. IF SIGN LOCATION IS IN CONFLICT WITH UNDERGROUND UTILITIES, THE SIGN LOCATION SHALL BE ADJUSTED TO ELIMINATE THE CONFLICT. FINAL SIGN LOCATION SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND MUNICIPAL REPRESENTATIVE PRIOR TO INSTALLATION.

7. CONTRACTOR SHALL CONTACT MUNICIPAL REPRESENTATIVE A MINIMUM OF ONE WEEK IN ADVANCE OF PLANNED CONSTRUCTION. CONTACT INFORMATION IS AS FOLLOWS:

MUNICIPALITY	CONTACT	PHONE
BARRE	HARRY HINRICHSSEN	479-2595
BURLINGTON	NICOLE LOSCH	865-5833
MORETOWN	DARA TORRE	225-6156
NORTHFIELD	ROB LEWIS	485-3932
POULTNEY	JONAS ROSENTHAL	287-9751
RICHMOND	GEOFFREY URBANIK	434-5170
RUTLAND	EVAN PILACHOWSKI	773-1813
WAITSFIELD	VALERIE CAPELS	496-2218
WARREN	CINDI JONES	496-2709
WEATHERSFIELD	BJ ESTY	674-5400

8. CARE SHALL BE TAKEN TO AVOID DAMAGE TO NEARBY FENCES, BUILDINGS, MONUMENTS, IRON PINS, AND ANY OTHER APPURTENANCES DURING CONSTRUCTION. DAMAGE CAUSED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

9. IF PROPERTY INCLUDING BUT NOT LIMITED TO IRON PINS, FENCES, BUILDINGS, MONUMENTS, ETC. NEEDS TO BE TEMPORARILY RELOCATED DURING CONSTRUCTION, CONTRACTOR SHALL DOCUMENT EXACT LOCATION AND RESET IN THE SAME LOCATION UPON COMPLETION OF WORK. PROPERTY SHALL BE RESET TO ITS ORIGINAL CONDITION OR BETTER. COST TO COMPLETE THIS WORK SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS.

10. CONTRACTOR SHALL PROVIDE AT LEAST ONE WEEK NOTICE TO ADJACENT PROPERTY OWNERS AND BUSINESSES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL INFORM PROPERTY OWNER OF WORK TO BE COMPLETED AND SHALL WORK WITH PROPERTY OWNER TO MAINTAIN ACCESS TO PROPERTY AT ALL TIMES. COST TO COMPLETE THIS WORK SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS.

SIDEWALK AND CROSSWALK NOTES:

11. ALL NEW CROSSWALKS SHALL BE DURABLE THERMOPLASTIC MARKINGS, AND SHALL BE PAID AS ITEM 646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC.

12. CROSSWALK MARKINGS SHALL BE BLOCK PATTERN AS SHOWN IN THE DETAIL ON SHEET NDS-2.

SIDEWALK AND CROSSWALK NOTES (CONT'D):

13. REMOVAL OF EXISTING CROSSWALK MARKINGS SHALL BE PAID AS ITEM 646.85 REMOVAL OF EXISTING PAVEMENT MARKINGS.

14. CROSSWALK RAMPS AND DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH VTRANS STD DRAWINGS C-3A AND C-3B AND THE DETAILS SHOWN ON PLAN SHEETS D-1 TO D-5. DETECTABLE WARNING SURFACES SHALL BE CAST IRON.

15. REMOVAL OF CONCRETE SIDEWALK SHALL BE PAID AS ITEM 203.16 SOLID ROCK EXCAVATION. REMOVAL OF BITUMINOUS SIDEWALK SHALL BE PAID AS ITEM 203.15 COMMON EXCAVATION. REMOVAL OF CURB TO BE PAID AS ITEM 616.41 REMOVAL OF EXISTING CURB.

16. IN LOCATIONS THAT SIDEWALK IS REMOVED IN LAWN AREAS AND NOT REPLACED, CONTRACTOR TO PROVIDE A MINIMUM OF 2" OF TOPSOIL, APPLY SEED, FERTILIZER, LIMESTONE, AND MULCH PER DETAILS ON SHEET NDS-2 AND IN ACCORDANCE WITH SECTION 651 OF THE VAOT STANDARD SPECIFICATIONS. PAYMENT SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS.

17. PAYMENT FOR SAW CUTTING PAVEMENT REQUIRED FOR REMOVAL OR INSTALLATION OF CONTRACT ITEMS SHALL BE INCIDENTAL TO ALL OTHER ITEMS.

18. PAVEMENT PATCHING NECESSARY FOR REMOVAL OR INSTALLATION OF CONTRACT ITEMS SHALL BE PAID AS 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIALS, DRIVES).

19. CONTRACTOR SHALL RESTORE PROPERTY IN AN ACCEPTABLE MANNER SATISFACTORY TO THE ENGINEER IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. PAYMENT FOR TOPSOIL, SEED, FERTILIZER, MULCH AND ANY OTHER WORK OR MATERIALS NECESSARY SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS. SEE SHEET NDS-2 AND SECTION 651 OF THE VAOT STANDARD SPECIFICATIONS FOR TURF ESTABLISHMENT DETAILS.

RADAR SPEED FEEDBACK SIGN AND FLASHING BEACON NOTES:

20. RADAR SPEED FEEDBACK SIGNS (RSFS) SHALL BE INSTALLED BELOW ALL NEW R2-1 SIGNS. FLASHING BEACONS, IF REQUIRED, SHALL BE INSTALLED ABOVE NEW S5-1 SIGNS. RSFS AND BEACONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

21. THE RSFS SHALL INCLUDE THE LEGEND "YOUR SPEED XX MPH" OR SIMILAR. THE COLOR OF THE CHANGEABLE MESSAGE LEGEND SHALL BE A FLUORESCENT YELLOW-GREEN ON A BLACK BACKGROUND OR THE REVERSE OF THESE COLORS.

22. THE CHANGEABLE DISPLAY SHALL BE PROGRAMMED TO GO BLANK/NO DISPLAY WHEN THE VEHICLE SPEED EXCEEDS 15 MPH OVER THE POSTED SPEED.

23. WHEN ACTIVATED, THE RSFS DISPLAY SHALL GIVE DRIVERS IMMEDIATE FEEDBACK ON THEIR INDIVIDUAL DRIVING SPEED WHEN THE POSTED SPEED IS EXCEEDED WITHOUT ANIMATION, RAPID FLASHING, OR OTHER DYNAMIC ELEMENTS.

24. WHEN INSTALLED IN ASSOCIATION WITH SCHOOL SPEED ZONES, THE RSFS SHALL OPERATE ONLY WHEN THE SCHOOL SPEED ZONE IS IN EFFECT. (GENERALLY, THE RSFS WILL OPERATE ONLY ON DAYS THAT SCHOOLS ARE IN SESSION, FOR THIRTY MINUTES BEFORE AND FIFTEEN MINUTES AFTER THE TIME THAT THE SCHOOL DAY BEGINS; AND FIFTEEN MINUTES BEFORE AND THIRTY MINUTES AFTER THE TIME THAT THE SCHOOL DAY ENDS). USE OF RSFS IN CONJUNCTION WITH SCHOOL SPEED ZONES "WHEN CHILDREN ARE PRESENT" IS NOT ALLOWED.

RADAR SPEED FEEDBACK SIGN NOTES (CONT'D):

25. RSFS INSTALLATION SHALL NOT INTERFERE WITH THE VISIBILITY AND GENERAL EFFECTIVENESS OF ANY OTHER SIGNS IN THE AREA.

26. ALL ELEMENTS OF THE RSFS SHALL CONFORM TO THE GUIDANCE AND STANDARDS AS OUTLINED IN THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

27. THE CONTRACTOR SHALL SUPPLY INFORMATION THAT DOCUMENTS THAT THE RSFS AND SIGN SUPPORT ASSEMBLY AND INSTALLATION MEET THE REQUIREMENTS FOR CRASH-WORTHINESS AS DEFINED IN THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350. RSFS SIGNS INSTALLED WITHIN THE CLEAR ZONE OF THE ROADWAY SHALL HAVE BREAKAWAY BASES CONSTRUCTED IN ACCORDANCE WITH VTRANS STANDARD E-163.

28. THE CONTRACTOR SHALL SUBMIT FABRICATION DRAWINGS FOR RADAR SPEED FEEDBACK AND FLASHING BEACON SIGN FOUNDATIONS AND POSTS. FOUNDATION AND POST DESIGNS SHALL BE COMPLETED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF VERMONT. FOUNDATION AND POST DESIGNS SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. NO GEOTECHNICAL INFORMATION IS AVAILABLE. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE SECTION 900 PAY ITEM(S).

29. SIGNS SHALL NOT BE MOUNTED USING BAND CLAMPS.

30. CONTRACTOR SHALL RETRIEVE IDENTIFICATION AND CONTACT INFORMATION FOR THE MUNICIPALITY IN WHICH THE RSFS IS INSTALLED AND IT SHALL BE DISPLAYED ON THE CASE OF THE RSFS.

31. RSFS SHALL INCLUDE ALL NECESSARY HARDWARE AND SOFTWARE THAT ALLOWS THE SIGN TO BE PROGRAMMED REMOTELY THROUGH THE INTERNET, FROM AN OFFSITE COMPUTER LOCATION. THE MANUFACTURER'S REPRESENTATIVE SHALL INSTALL THE NECESSARY SOFTWARE IN LOCATIONS TO BE DETERMINED BY MUNICIPAL REPRESENTATIVES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION WITH THE APPROPRIATE MUNICIPAL REPRESENTATIVE.

32. THE MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE TRAINING ON THE OPERATION AND MAINTENANCE OF THE RSFS TO EACH MUNICIPAL REPRESENTATIVE. THE CONTRACTOR OR MANUFACTURER'S REPRESENTATIVE SHALL SUPPLY OPERATIONS AND MAINTENANCE MANUALS TO EACH MUNICIPALITY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TRAINING WITH THE ENGINEER, MANUFACTURER AND MUNICIPALITIES.

33. ALL SIGNS TO BE SOLAR POWERED WITH BATTERY BACKUP SYSTEM. CONTRACTOR SHALL PROVIDE ALL INFORMATION REQUIRED FOR SOLAR PANEL DESIGN TO THE SIGN MANUFACTURER, AND PROVIDE PANEL SIZING CALCULATIONS FROM THE MANUFACTURER TO THE ENGINEER FOR REVIEW AND APPROVAL. RSFS AND FLASHING BEACONS SHALL NOT BE ORDERED UNTIL FABRICATION DRAWINGS AND SIZING CALCULATIONS ARE REVIEWED AND APPROVED BY THE ENGINEER.

34. IF SOLAR POWER IS NOT FEASIBLE, AC POWER IS TO BE SUPPLIED TO SIGNS. CONTRACTOR SHALL INSTALL ALL NECESSARY CONDUIT, METER PEDESTALS, PULL BOXES AND ANY OTHER NECESSARY MATERIALS TO PROVIDE A FULLY OPERATIONAL SIGN SYSTEM IN ACCORDANCE WITH VTRANS STANDARD E-175 AND THE SPECIAL PROVISIONS. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONNECTIONS WITH THE UTILITY COMPANY AND SHALL OBTAIN ALL NECESSARY ELECTRICAL PERMITS AND INSPECTIONS. IF AC POWERED SIGNS ARE REQUIRED, THEY SHALL BE PAID UNDER ITEM 900.620 SPECIAL PROVISION (RADAR SPEED FEEDBACK SIGN ASSEMBLY, AC-POWERED) OR ITEM 900.620 SPECIAL PROVISION (SCHOOL ZONE FLASHING BEACON, AC-POWERED) OR ITEM 900.620 SPECIAL PROVISION (RADAR SPEED FEEDBACK SIGN ASSEMBLY WITH FLASHING BEACONS, AC-POWERED). THIS ITEM SHALL BE USED ONLY IF SOLAR POWER IS NOT FEASIBLE AS DETERMINED BY THE SIGN MANUFACTURER AND THE ENGINEER. AN ESTIMATED QUANTITY OF 1 EACH FOR ITEM 900.620 SPECIAL PROVISION (RADAR SPEED FEEDBACK SIGN ASSEMBLY, AC-POWERED), ITEM 900.620 SPECIAL PROVISION (SCHOOL ZONE FLASHING BEACON, AC-POWERED) AND ITEM 900.620 SPECIAL PROVISION (RADAR SPEED FEEDBACK SIGN ASSEMBLY WITH FLASHING BEACONS, AC-POWERED) HAS BEEN INCLUDED IN THE EVENT THIS ITEM IS REQUIRED.

35. IF AC POWERED SIGNS ARE INSTALLED, METER PEDESTALS SHALL BE PLACED IN A DISCRETE LOCATION BEHIND THE SIGNS AND WITHIN THE MUNICIPAL OR STATE OWNED ROW. METER PEDESTALS SHALL NOT OBSTRUCT VISIBILITY OF THE SIGN FROM THE ROAD. EXACT LOCATION OF METER PEDESTAL SHALL BE APPROVED BY THE ENGINEER. THIS WORK SHALL BE PAID INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (RADAR SPEED FEEDBACK SIGN ASSEMBLY, AC-POWERED).



PROJECT NAME: STATEWIDE SRTS PROJECTS

PROJECT NUMBER: STP SRIN(25)

FILE NAME: ...drawing\Plotfiles\02 Notes.dgn PLOT DATE: 1/15/2013

PROJECT LEADER: G. GOYETTE

DRAWN BY: K. RICHARDSON

DESIGNED BY: K. RICHARDSON

CHECKED BY: G. GOYETTE

NOTES AND DETAILS NDS-1

SHEET 2 OF 35