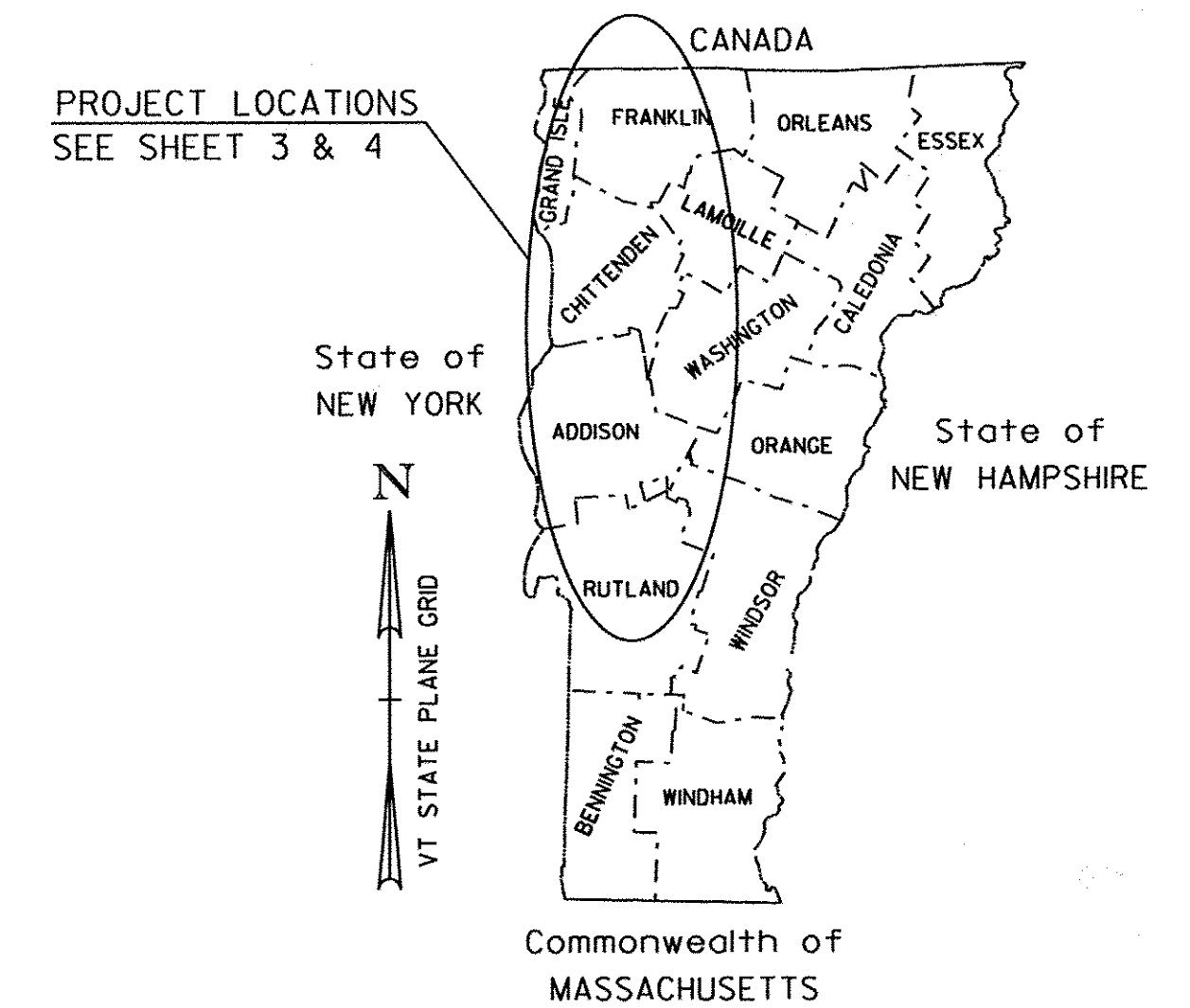


# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT TOWNS OF ENOSBURG, FERRISBURGH, HINESBURG, NEW HAVEN, NORTHFIELD, RICHMOND, ST. ALBANS TOWN AND WEYBRIDGE COUNTIES OF ADDISON, CHITTENDEN, FRANKLIN AND WASHINGTON VARIOUS TOWN HIGHWAYS

INDEX OF SHEETS  
SEE SHEET 2



PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REMOVAL OF EXISTING SIGNS & POSTS, PAVEMENT MARKINGS, AND GUARDRAIL, AND THE INSTALLATION OF NEW SIGNS & POSTS, PAVEMENT MARKINGS (CENTERLINE, EDGELINE, SYMBOLS AND LETTERS, AND OTHER RELATED ITEMS FOR THE DESCRIBED WORK.

RECORD PLANS	
CONTRACTOR:	MIDDLEBURY FENCE COMPANY, LLC - NEW HAVEN, VT
RESIDENT ENGINEER:	JEFF COTA
CONSTRUCTION BEGAN:	SEPTEMBER 21, 2010
CONSTRUCTION COMPLETE:	NOVEMBER 11, 2011
RECORD PLANS BY:	JEFF COTA & JENNA HYDE
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY	RESIDENT ENGINEER
DATE	8/13/12
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.	

PROJECT LOCATION:	TH-1.	MM 0.000 - 0.216 ENOSBURG (TYLER BRANCH ROAD)
	TH-2.	MM 0.000 - 0.600 ENOSBURG (BOSTON POST ROAD)
	TH-5.	MM 0.000 - 3.540 FERRISBURGH (LITTLE CHICAGO ROAD)
	TH-7.	MM 0.000 - 0.903 NEW HAVEN (PEARSON ROAD)
	TH-8.	MM 0.000 - 1.500 NORTHFIELD (UNION BROOK ROAD)
	TH-1.	MM 0.000 - 4.300 RICHMOND (HUNTINGTON ROAD)
	TH-2.	MM 0.000 - 0.149 RICHMOND (HINESBURG ROAD)
	TH-14.	MM 0.000 - 3.200 ST. ALBANS (KELLOGG ROAD)
	TH-11.	MM 0.000 - 1.628 WEYBRIDGE (MORGAN HORSE FARM ROAD)

PROJECT LENGTHS:	0.216 MILES	(1140.48 FT)
	0.600 MILES	(3168.00 FT)
	3.540 MILES	(18691.20 FT)
	0.903 MILES	(4767.84 FT)
	1.500 MILES	(7920.00 FT)
	4.300 MILES	(22704.00 FT)
	0.149 MILES	(786.72 FT)
	3.200 MILES	(16896.00 FT)
	1.628 MILES	(8595.84 FT)
TOTAL LENGTH OF PROJECT:	16.036 MILES	(84670.08 FT)

QUALITY ASSURANCE PROGRAM: LEVEL

### 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	
TOP OF CUT	
TOE OF SLOPE	
ROAD PAVEMENT	

SURVEYED BY :	N/A
SURVEYED DATE :	N/A
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED _____	DATE _____
PROJECT MANAGER :	JOSH SCHULTZ
PROJECT NAME :	STATEWIDE NORTHWEST REGION
PROJECT NUMBER :	STP HRRR(5)
SHEET 1 OF 51 SHEETS	

1	TITLE SHEET
2	INDEX OF SHEETS & GENERAL NOTES
3-4	LOCATION MAPS 1-2
5	QUANTITY SHEET
6-7	GENERAL SIGN DETAILS 1-2
8	SPECIFIC SIGN DETAILS FOR ENOSBURG, NORTHFIELD, NEW HAVEN, AND WEYBRIDGE
9	SPECIFIC SIGN DETAILS FERRISBURGH
10	SPECIFIC SIGN DETAILS RICHMOND
11	SPECIFIC SIGN DETAILS RICHMOND AND ST. ALBANS
12-16	ENOSBURG TRAFFIC SIGN SUMMARY SHEETS 1-5
17-22	FERRISBURGH TRAFFIC SIGN SUMMARY SHEETS 1-6
23-26	NEW HAVEN TRAFFIC SIGN SUMMARY SHEETS 1-4
27-29	NORTHFIELD TRAFFIC SIGN SUMMARY SHEETS 1-3
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46	WEYBRIDGE TRAFFIC SIGN SUMMARY SHEET
47	TOWN TOTAL SIGN SUMMARY SHEET
48	TOWN HIGHWAY PAVEMENT MARKINGS
49	ITEM DETAIL SUMMARY SHEET
50-51	TRAFFIC CONTROL SHEETS 1-2

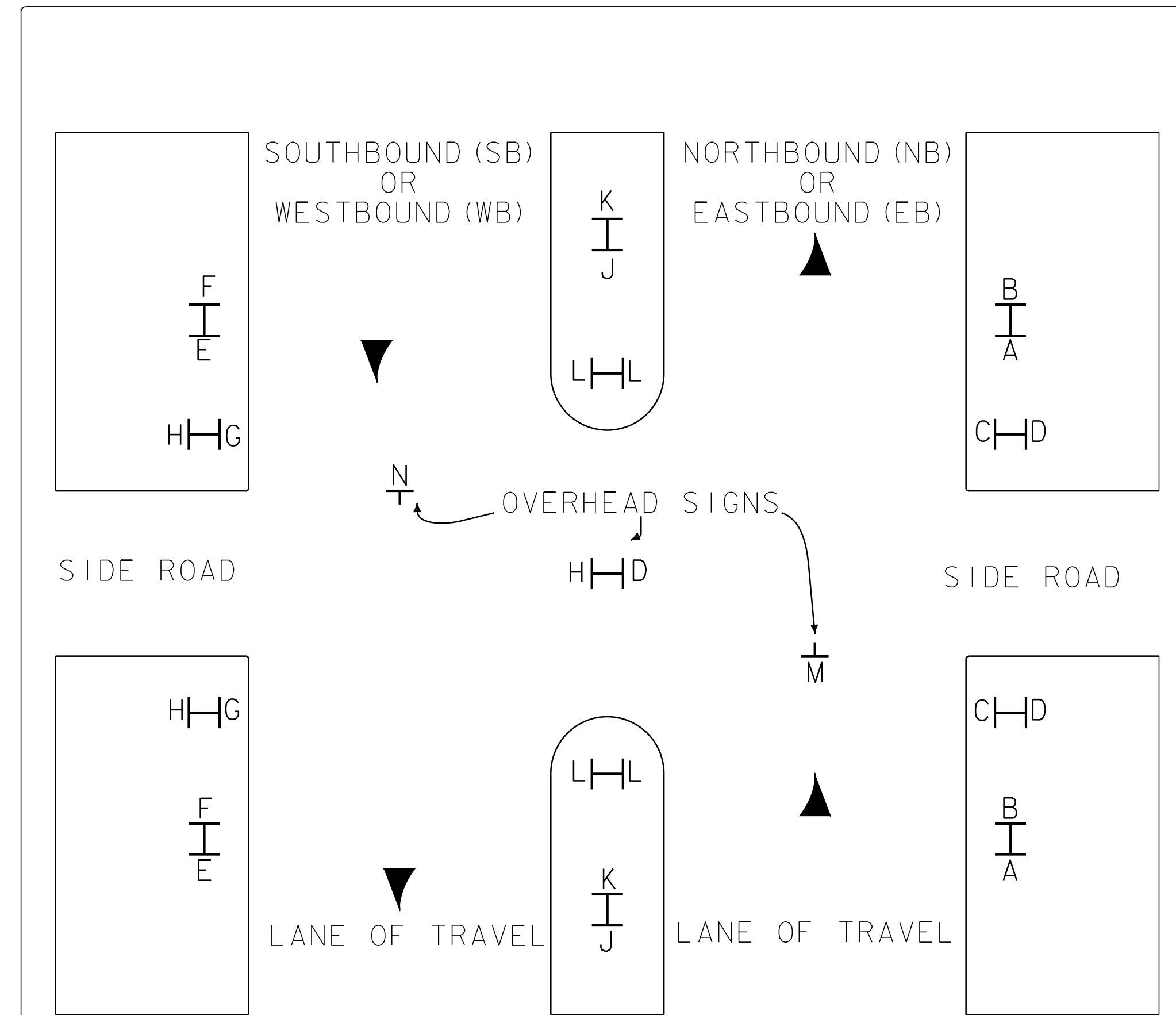
STANDARDS

E-121	STANDARD SIGN PLACEMENT- CONVENTIONAL ROAD	08/08/1995
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	03/16/2004
E-127	ROUTE MARKINGS AT RURAL INTERSECTIONS	08/08/1995
E-136B	STATE ROUTE MARKER SIGN DETAILS	08/08/1995
E-136C	STATE NUMBERED TOWN HIGHWAY SIGN DETAILS	08/08/1995
E-138	MILEMARKER DETAILS - STATE AND TOWN HIGHWAYS	05/30/2003
E-145A	REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS	12/23/1994
E-154	WARNING SIGN DETAILS	05/01/2004
E-164	SQUARE STEEL SIGN POST	06/08/2009
E-191	PAVEMENT MARKING DETAILS	02/01/1999
E-193	PAVEMENT MARKING DETAILS	08/18/1995
G-1	STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATORS, TYPICALS)	01/03/2000
G-1d	STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN)	01/03/2000
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11/15/2002

GENERAL NOTES

- ALL NEW SIGNS SHALL BE IN ACCORDANCE WITH THESE PLANS, THE LATEST EDITION OF THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE STANDARD HIGHWAY SIGNS BOOK (SHS) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA), AND APPLICABLE VTRANS E-SERIES STANDARDS OR AS DIRECTED BY THE ENGINEER. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT THE CONTRACTORS'S EXPENSE.
- EXISTING STREET NAME SIGNS ATTACHED TO SIGN POSTS THAT ARE TO BE REPLACED, SHALL BE REMOVED AND INSTALLED ONTO NEW POSTS. ALL WORK AND MATERIALS NECESSARY TO REMOVE AND INSTALL THE STREET NAME SIGNS SHALL BE PAID UNDER ITEM 675.50 REMOVING SIGNS. AN ESTIMATED QUANTITY FOR ERECTING SALVAGED SIGNS, PAY ITEM 675.60 AND SETTING SALVAGED POSTS PAY ITEM 675.61 WAS ADDED TO THE QUANTITY SHEET TO PAY FOR THIS WORK. ALL EXISTING STREET NAME SIGNS INSTALLED ON STAND ALONE SIGN POSTS SHALL BE RETAINED WITHIN THE PROJECT LIMITS, UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH STATE STANDARD E-121 DRAWINGS.
- ALL SIGN LETTERING, DIGITS, ARROWS, AND DESIGN OF SYMBOLS FOR SIGNS DETAILED IN THESE PLANS SHALL CONFORM WITH THE "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKING" AS ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA), UNLESS OTHERWISE DETAILED WITHIN THESE PLANS.
- WITHIN THE TRAFFIC SIGN SUMMARY SHEETS FY= FLUORESCENT YELLOW SHEETING (ASTM TYPE VII, VIII, OR IX) AND FYG = FLUORESCENT YELLOW-GREEN SHEETING (ASTM TYPE VII, VIII, OR IX). REFER TO ITEM 750.08 RETROREFLECTIVE SHEETING. NOTE THESE ABBREVIATIONS CAN BE FOUND UNDER SHEETING REMARKS ON THE TRAFFIC SIGN SUMMARY SHEET INCLUDED WITHIN THESE PROJECT PLANS.
- UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIAL SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIZES				
	24" X 8"			
	24" X 10"			
	24" X 12"			
	24" X 18"			
	24" X 24"			
	24" X 30"			
	30" X 8"	36" X 12"		
	30" X 15"	36" X 15"		
	30" X 18"	36" X 18"	48" X 18"	
	30" X 30"	36" X 24"	48" X 24"	
	9" X 12"	30" X 42"	30" X 42"	48" X 30"
	12" X 12"	36" X 8"	36" X 36"	48" X 42"
	18" X 18"	42" X 8"	36" X 48"	48" X 48"
	21" X 15"	48" X 8"	36" X 54"	48" X 60"
THICKNESS	0.060"	0.080"	0.100"	0.125"



THE TRAFFIC SIGN LOCATION CODES ARE TO BE USED IN CONJUNCTION WITH THE SIGN SUMMARY SHEETS TO ESTABLISH PROPER SIGN INSTALLATION IN THE FIELD.

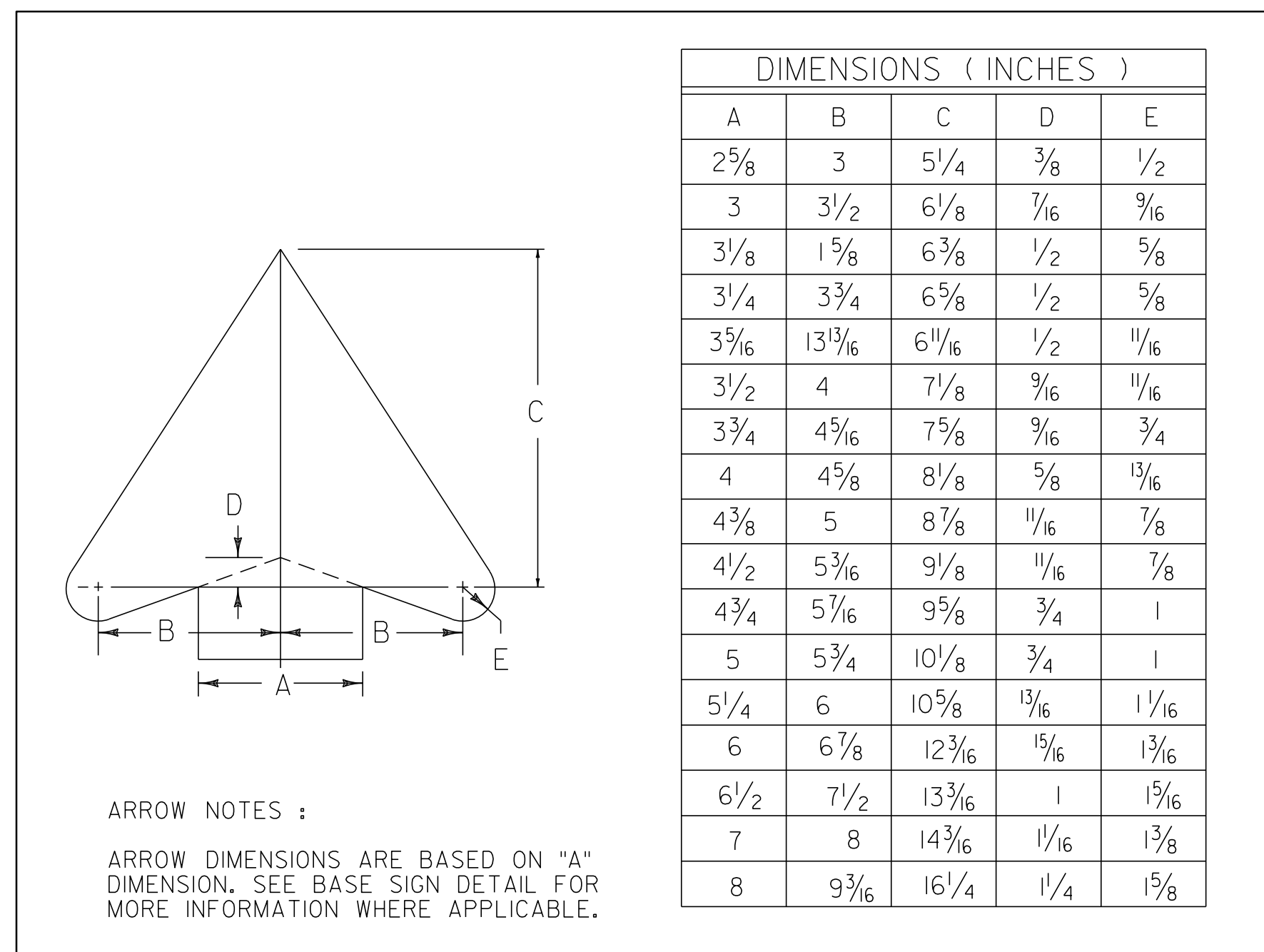
**TRAFFIC SIGN LOCATION CODES**  
NOT TO SCALE

VAOT RURAL AREA MIX					
	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
37.5%	22.5	45	CREEPING RED FESCUE	85%	98%
37.5%	22.5	45	TALL FESCUE	90%	95%
5.0%	3	6	RED TOP	90%	95%
15.0%	9	18	BIRDSFOOT TREFOIL	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	85%	95%
100%	60	120			

GENERAL GUIDANCE			
FERTILIZER		LIME	
BROADCAST	HYDROSEED	BROADCAST	HYDROSEED
10-20-10	19-19-19	PELLETIZED	LIQUID
500 LBS/AC		2 TONS/AC	4.4 GAL/AC

CONSTRUCTION GUIDANCE

- RURAL SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
- ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
- TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.



DIMENSIONS ( INCHES )				
A	B	C	D	E
2 5/8	3	5 1/4	3/8	1/2
3	3 1/2	6 1/8	7/16	9/16
3 1/8	1 5/8	6 3/8	1/2	5/8
3 1/4	3 3/4	6 5/8	1/2	5/8
3 5/16	13 13/16	6 11/16	1/2	11/16
3 1/2	4	7 1/8	9/16	11/16
3 3/4	4 5/16	7 5/8	9/16	3/4
4	4 5/8	8 1/8	5/8	13/16
4 3/8	5	8 7/8	11/16	7/8
4 1/2	5 3/16	9 1/8	11/16	7/8
4 3/4	5 7/16	9 5/8	3/4	1
5	5 3/4	10 1/8	3/4	1
5 1/4	6	10 5/8	13/16	1 1/16
6	6 7/8	12 3/16	15/16	1 3/16
6 1/2	7 1/2	13 3/16	1	1 5/16
7	8	14 3/16	1 1/16	1 3/8
8	9 3/16	16 1/4	1 1/4	1 5/8

GUARDRAIL GENERAL NOTES

- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
- ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I; 608.37 TRUCK RENTAL; AND 608.40 LOADER RENTAL, TYPE I; ARE INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE AREA. 25 CUBIC YARDS OF EARTH MATERIAL HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END SECTION FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE.

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

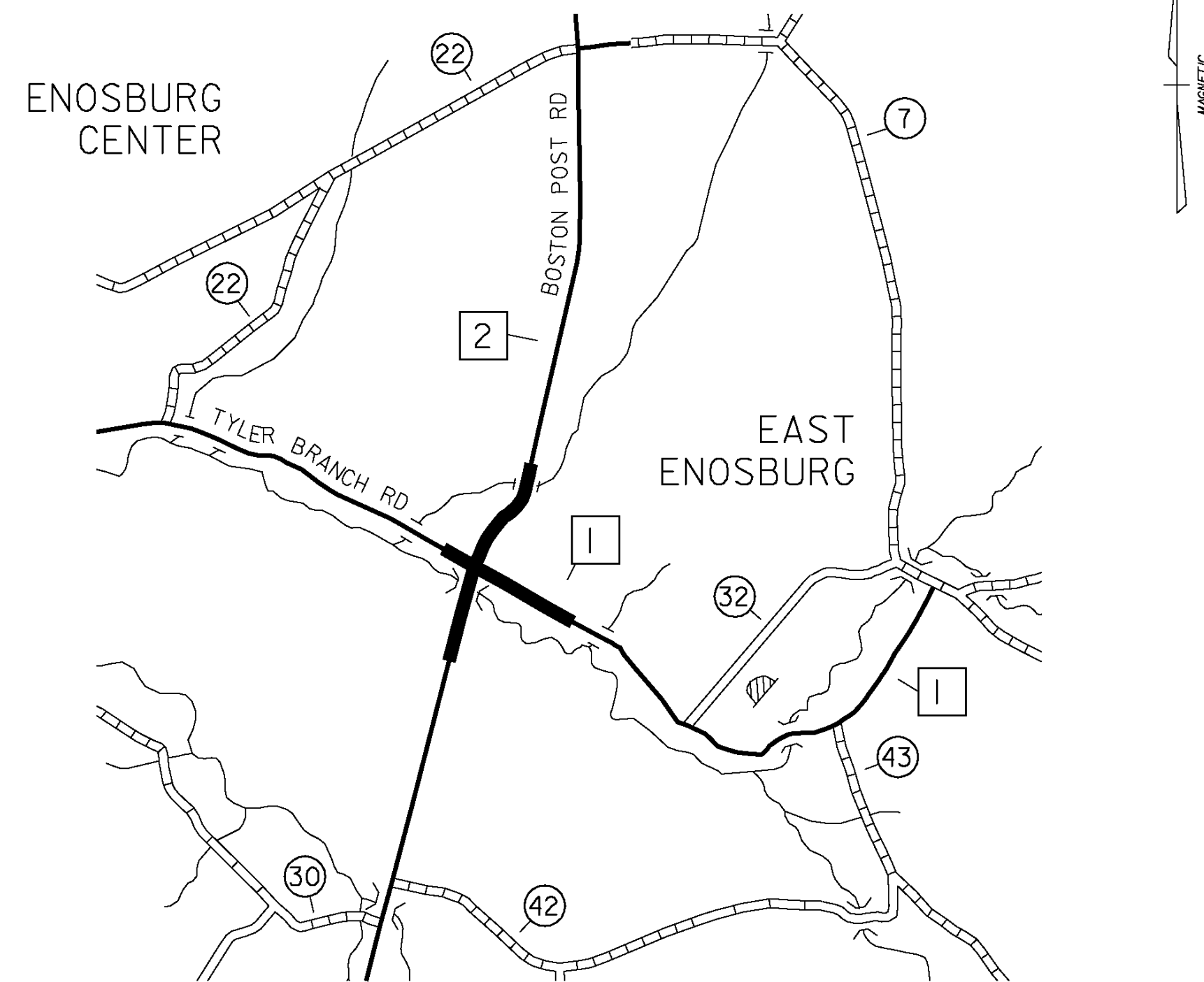
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PROJECT LEADER: JLS DRAWN BY: NLA  
DESIGNED BY: NLA CHECKED BY: JLS  
INDEX OF SHEETS & GENERAL NOTES SHEET 2 OF 51

ADAPTED FROM VTRANS TECHNICAL LANSCAPE MAUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

TURF ESTABLISHMENT

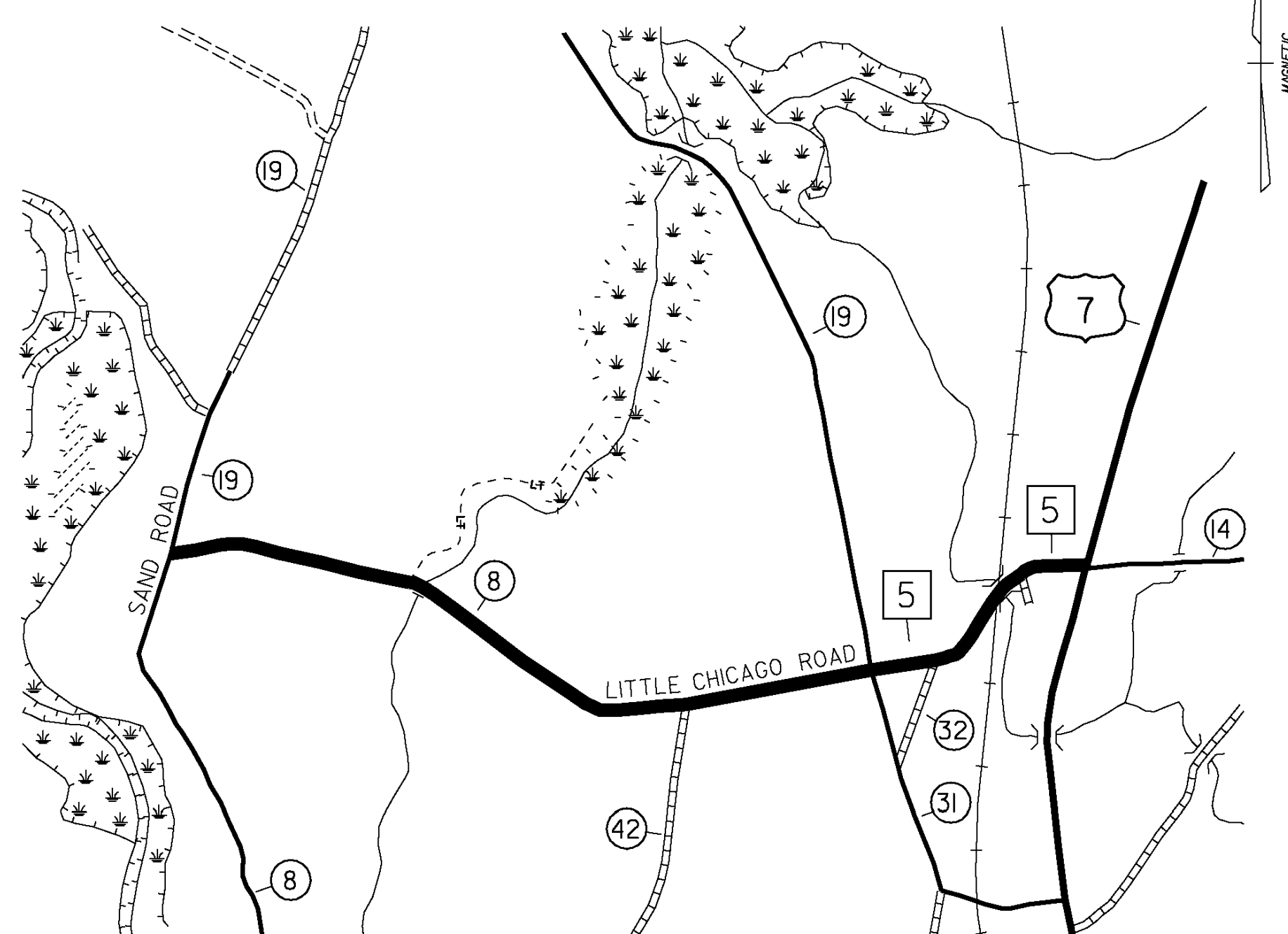
REVISIONS	
JUNE 23, 2009	WHF
JANUARY 15, 2010	WHF

**TOWN OF ENOSBURG**



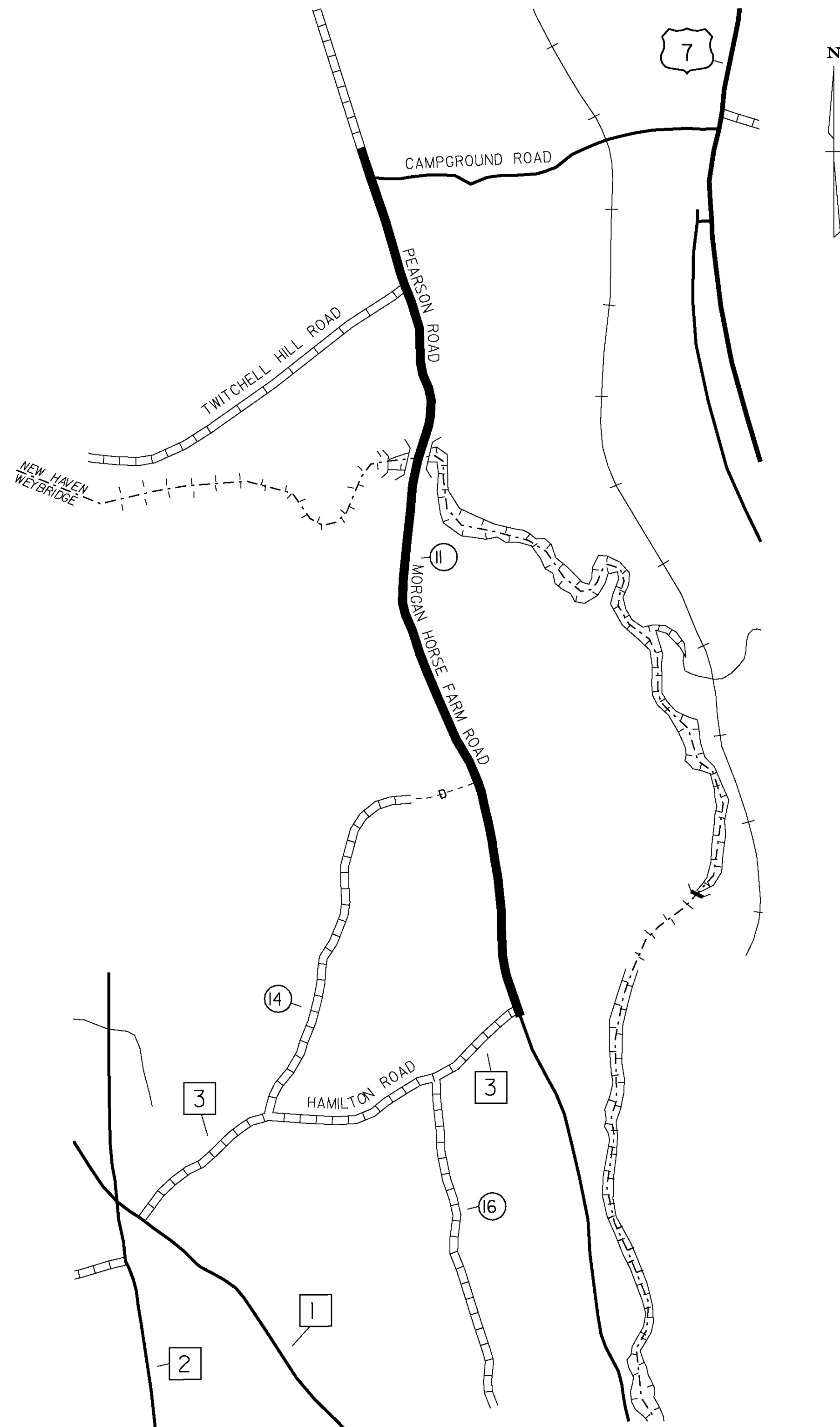
ON TYLER BRANCH ROAD (TH-1) IN THE TOWN OF ENOSBURG BEGINNING 0.099 MILES WEST OF BOSTON POST ROAD (TH-2) AND DESIGNATING THAT POINT AS MILE MARKER 0.000 EXTENDING EASTERLY ALONG TYLER BRANCH ROAD FOR A DISTANCE OF 0.216 MILES TO CONCLUDE THIS SEGMENT. ALSO ON ANOTHER ROADWAY, ON BOSTON POST ROAD (TH-2) IN THE TOWN OF ENOSBURG BEGINNING 0.084 MILES SOUTH OF PINE LN (PVT) AND DESIGNATING THAT POINT AS MILE MARKER 0.000 EXTENDING NORTHERLY ALONG BOSTON POST ROAD FOR A DISTANCE OF 0.600 MILES TO CONCLUDE THIS SEGMENT.

**TOWN OF FERRISBURGH**



BEGINNING AT THE INTERSECTION OF US ROUTE 7 AND LITTLE CHICAGO ROAD (TH-5) IN THE TOWN OF FERRISBURGH DESIGNATING WHERE THE CENTERLINE OF EACH ROAD INTERSECTS WITH EACH OTHER AS MILE MARKER 0.000 AND EXTENDING WESTERLY ALONG LITTLE CHICAGO ROAD FOR A DISTANCE OF 3.540 MILES TO THE INTERSECTION OF SAND ROAD (TH-8) TO CONCLUDE THIS SEGMENT FOR THIS PROJECT.

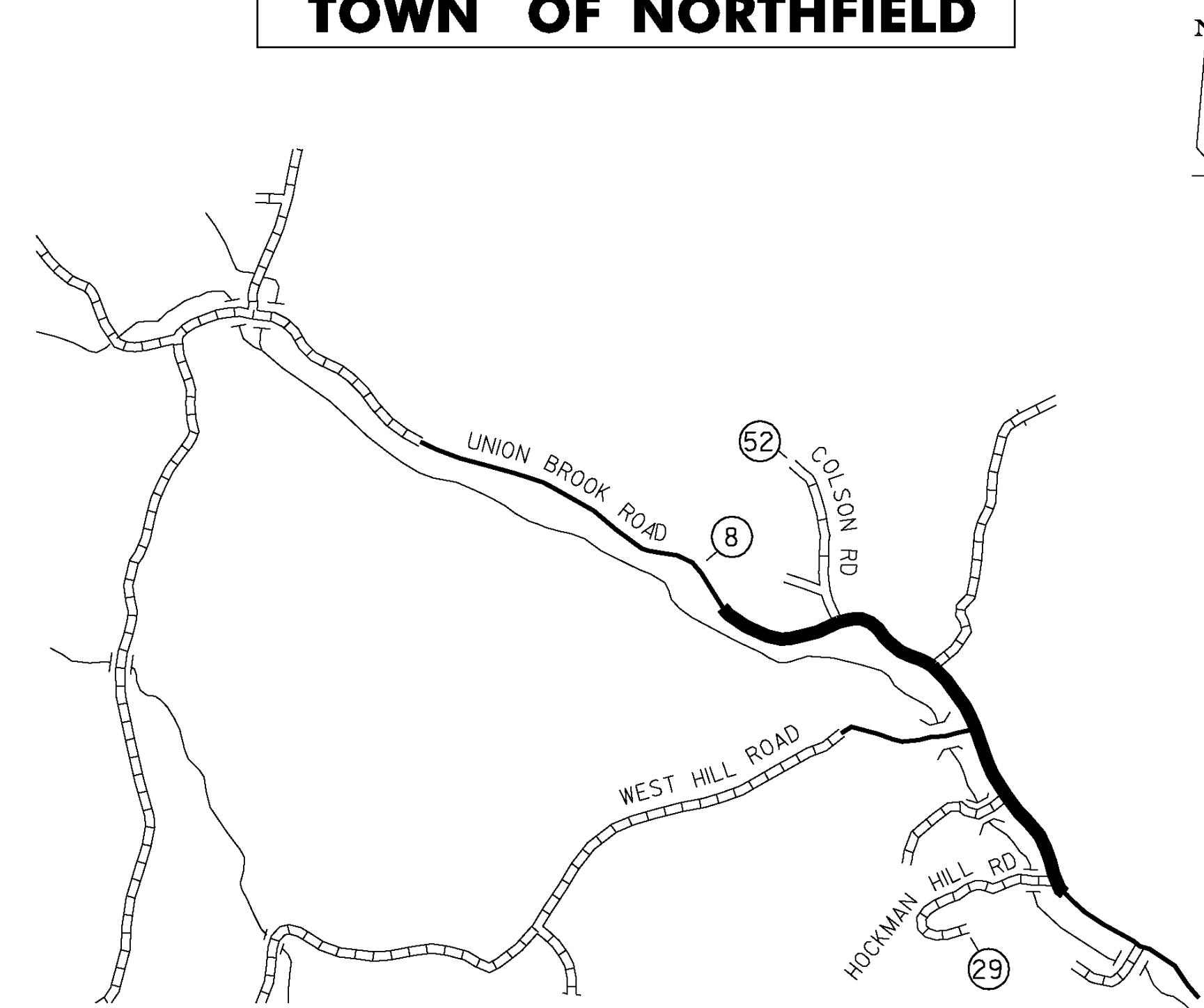
**TOWNS OF NEW HAVEN AND WEYBRIDGE**



BEGINNING AT THE NEW HAVEN / WEYBRIDGE TOWNLIN ON MORGAN HORSE FARM ROAD (TH-11) IN THE TOWN OF WEYBRIDGE, DESIGNATING WHERE THE CENTER OF THE RATTLIN BRIDGE IS MARKED WITH A TOWNLIN SIGN AS MILE MARKER 0.000 AND EXTENDING SOUTHERLY ALONG MORGAN HORSE FARM ROAD FOR A DISTANCE OF 1.628 MILES TO A POINT 0.005 MILES SOUTH OF THE INTERSECTION OF HAMILTON ROAD (TH-3). THIS SEGMENT CONCLUDES THIS PORTION OF THE PROJECT.

BEGINNING AT THE NEW HAVEN / WEYBRIDGE TOWNLIN ON PEARSON ROAD (TH-7) IN THE TOWN OF NEW HAVEN, DESIGNATING WHERE THE CENTER OF THE RATTLIN BRIDGE IS MARKED WITH A TOWNLIN SIGN AS MILE MARKER 0.000 AND EXTENDING NORTHERLY ALONG PEARSON ROAD FOR A DISTANCE OF 0.903 MILES TO A POINT 0.066 MILES NORTH OF THE INTERSECTION OF CAMPGROUND ROAD (TH-26), WITH MINIMAL WORK TO BE PERFORMED ON CAMPGROUND ROAD AND ON TWITCHELL HILL ROAD (TH-25). THESE SEGMENTS CONCLUDE THIS PORTION OF THE PROJECT.

**TOWN OF NORTHFIELD**

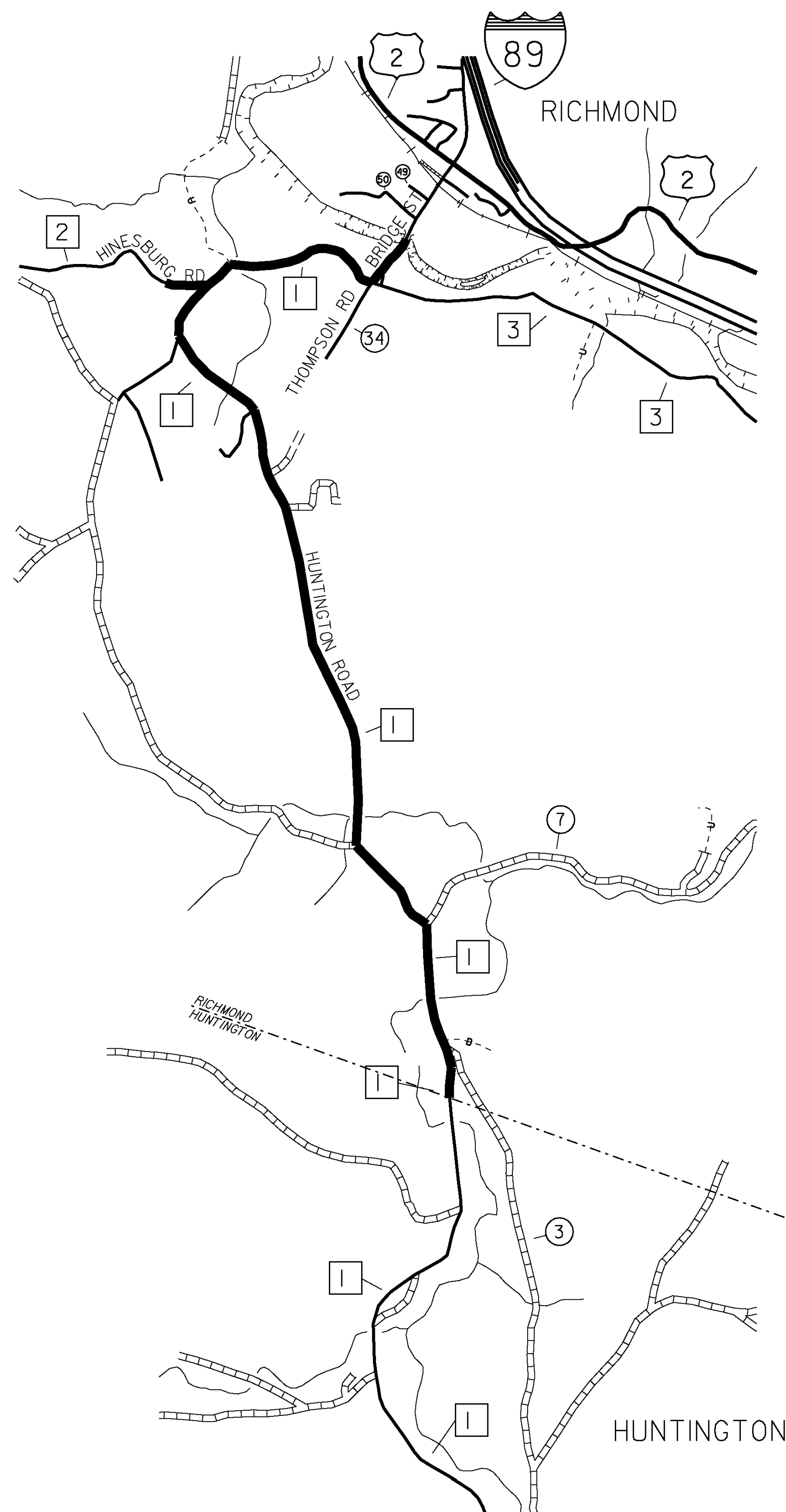


ON UNION BROOK ROAD (TH-8) IN THE TOWN OF NORTHFIELD BEGINNING 0.032 MILES SOUTHEAST OF HOCKMAN HILL ROAD (TH-29) AND DESIGNATING THAT POINT AS MILE MARKER 0.000 EXTENDING NORTHWESTERLY ALONG UNION BROOK ROAD FOR A DISTANCE OF 1.500 MILES TO A POINT 0.500 MILES NORTHWEST OF COLSON ROAD (TH-52) TO CONCLUDE THIS SEGMENT.

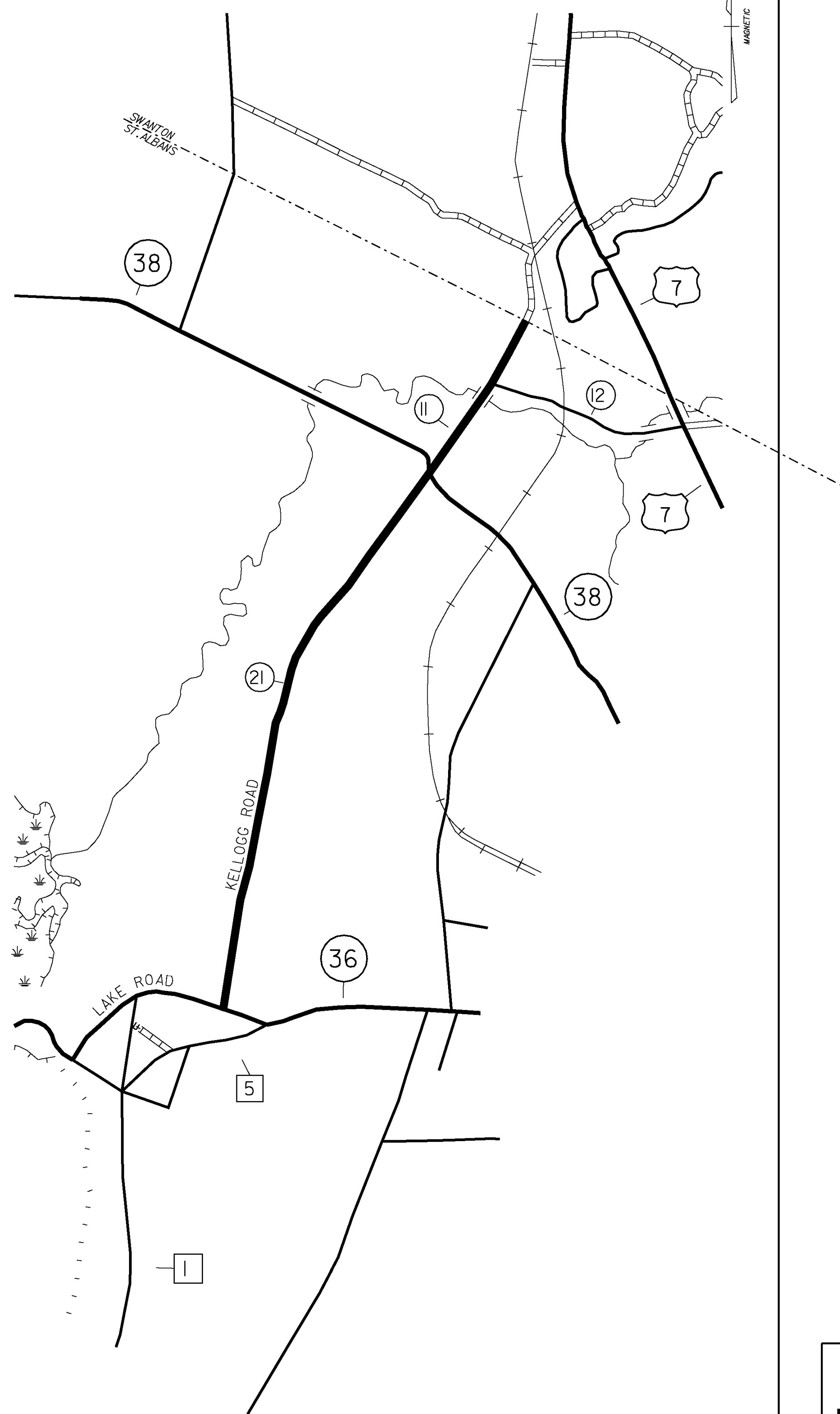
**NOT TO SCALE**

PROJECT NAME:	STATEWIDE NORTHWEST REGION
PROJECT NUMBER:	STP HRRR(5)
FILE NAME:	10K018_wrk.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	NLA
LOCATION MAPS:	1
PLOT DATE:	23-JUN-2010
DRAWN BY:	I. SHEA
CHECKED BY:	JLS
SHEET	3 OF 51

**TOWN OF RICHMOND**



**TOWN OF ST. ALBANS**



BEGINNING AT THE BRIDGE, 0.222 MILES NORTH OF THOMPSON ROAD (TH-34) IN THE TOWN OF RICHMOND AND PROCEEDING SOUTHERLY ON BRIDGE STREET CONTINUING ALONG HUNTINGTON ROAD (TH-1) TO THE RICHMOND - HUNTINGTON TOWN LINE FOR A TOTAL DISTANCE OF 4.300 TO CONCLUDE THIS SEGMENT.

ALSO ON ANOTHER ROADWAY, BEGINNING AT THE INTERSECTION OF HUNTINGTON ROAD (TH-1) AND HINESBURG ROAD IN THE TOWN OF RICHMOND DESIGNATING WHERE THE CENTERLINE OF EACH ROAD INTERSECTS WITH EACH OTHER AS MILE MARKER 0.000 EXTENDING WESTERLY ALONG HINESBURG ROAD FOR A DISTANCE OF 0.149 MILES TO CONCLUDE THIS SEGMENT.

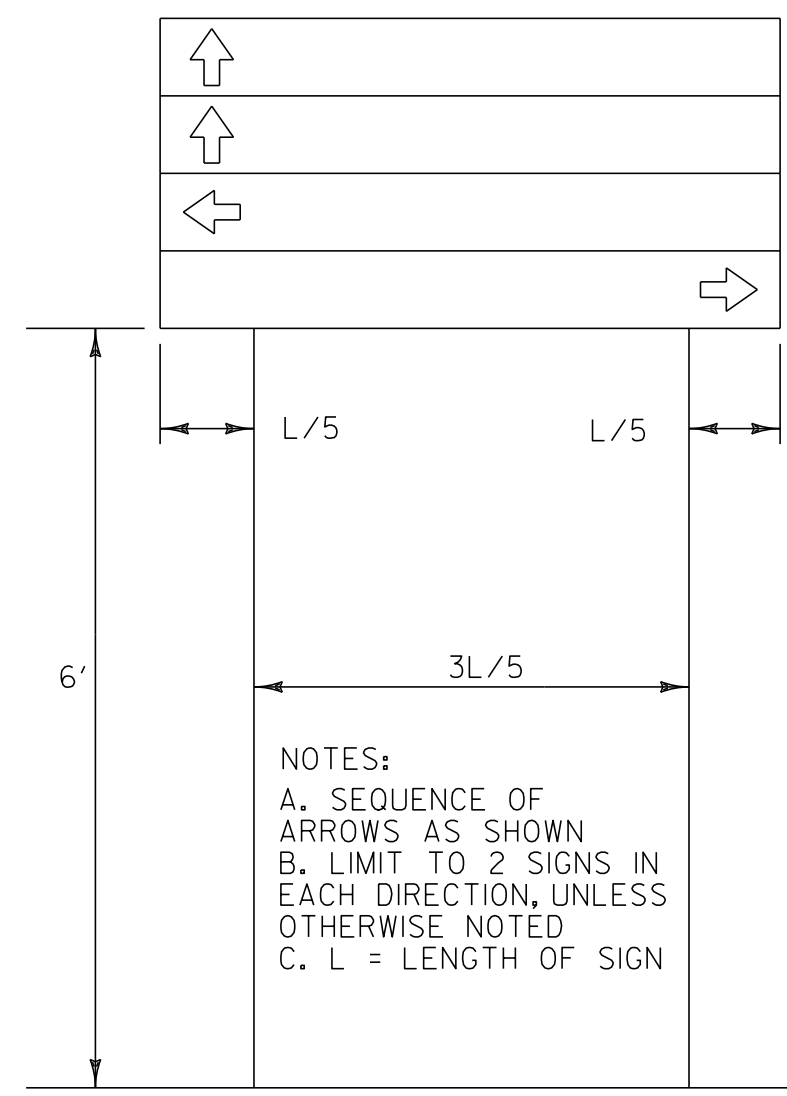
BEGINNING AT THE INTERSECTION OF KELLOGG ROAD (TH-14) AND LAKE ROAD (VT 36/TH 38) IN THE TOWN OF ST. ALBANS DESIGNATING THE INTERSECTION WHERE THE CENTERLINE OF EACH ROAD INTERSECTS AS MILE MARKER 0.000 AND EXTENDING NORTHERLY ALONG KELLOGG ROAD FOR A DISTANCE OF 3.200 MILES TO THE ST. ALBANS - SWANTON TOWN LINE TO CONCLUDE THIS SEGMENT.

**NOT TO SCALE**

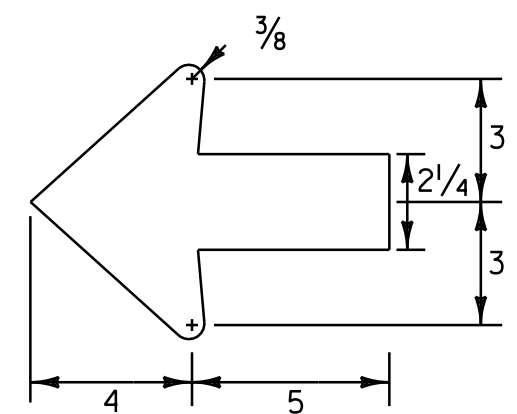
PROJECT NAME: STATEWIDE NORTHWEST REGION	PLOT DATE: 23-JUN-2010
PROJECT NUMBER: STP HRRR(5)	DRAWN BY: I. SHEA
FILE NAME: IOK018_wrk.dgn	CHECKED BY: JLS
PROJECT LEADER: JLS	SHEET 4 OF 51
DESIGNED BY: NLA	
LOCATION MAPS 2	

# QUANTITY SHEET

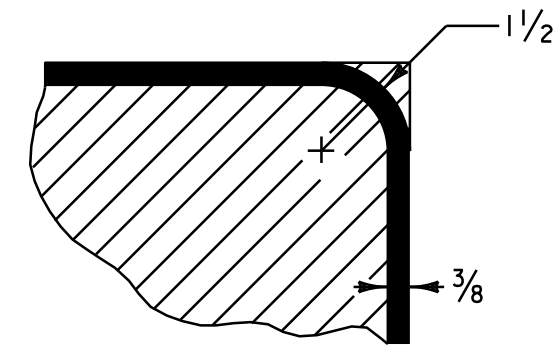
SUMMARY OF ESTIMATED QUANTITIES											TOTALS			DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
										ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS	
										10	10		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28					
										1	1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22					
										8	8		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25					
										8	8		HR	POWER BROOM RENTAL, TYPE I	608.30					
										8	8		HR	TRUCK RENTAL	608.37					
										8	8		HR	LOADER RENTAL, TYPE I	608.40					
										406	406		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20					
										2	2		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60					
										24	24		HR	UNIFORMED TRAFFIC OFFICERS	630.10					
										300	300		HR	FLAGGERS	630.15					
										1	1		LS	MOBILIZATION/DEMOBILIZATION	635.11					
										1	1		LS	TRAFFIC CONTROL	641.10					
										2303	2303		LF	4 INCH WHITE LINE	646.20					
										2196	2196		LF	4 INCH YELLOW LINE	646.21					
										269	269		LF	8 INCH WHITE LINE	646.22					
										161	161		LF	24 INCH STOP BAR	646.26					
										118	118		EACH	LETTER OR SYMBOL	646.30					
										74	74		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85					
										100	100		LB	SEED	651.15					
										100	100		LB	FERTILIZER	651.18					
										1	1		TON	AGRICULTURAL LIMESTONE	651.20					
										1	1		TON	HAY MULCH	651.25					
										10	10		CY	TOPSOIL	651.35					
										106.5	106.5		SY	TEMPORARY EROSION MATTING	653.20					
										1494.76	1494.76		SF	TRAFFIC SIGNS, TYPE A	675.20					
										4445	4445		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341					
										200	200		EACH	REMOVING SIGNS	675.50					
										3	3		EACH	ERECTING SALVAGED SIGNS	675.60					
										3	3		EACH	SETTING SALVAGED POSTS	675.61					



**DESTINATION ASSEMBLY**



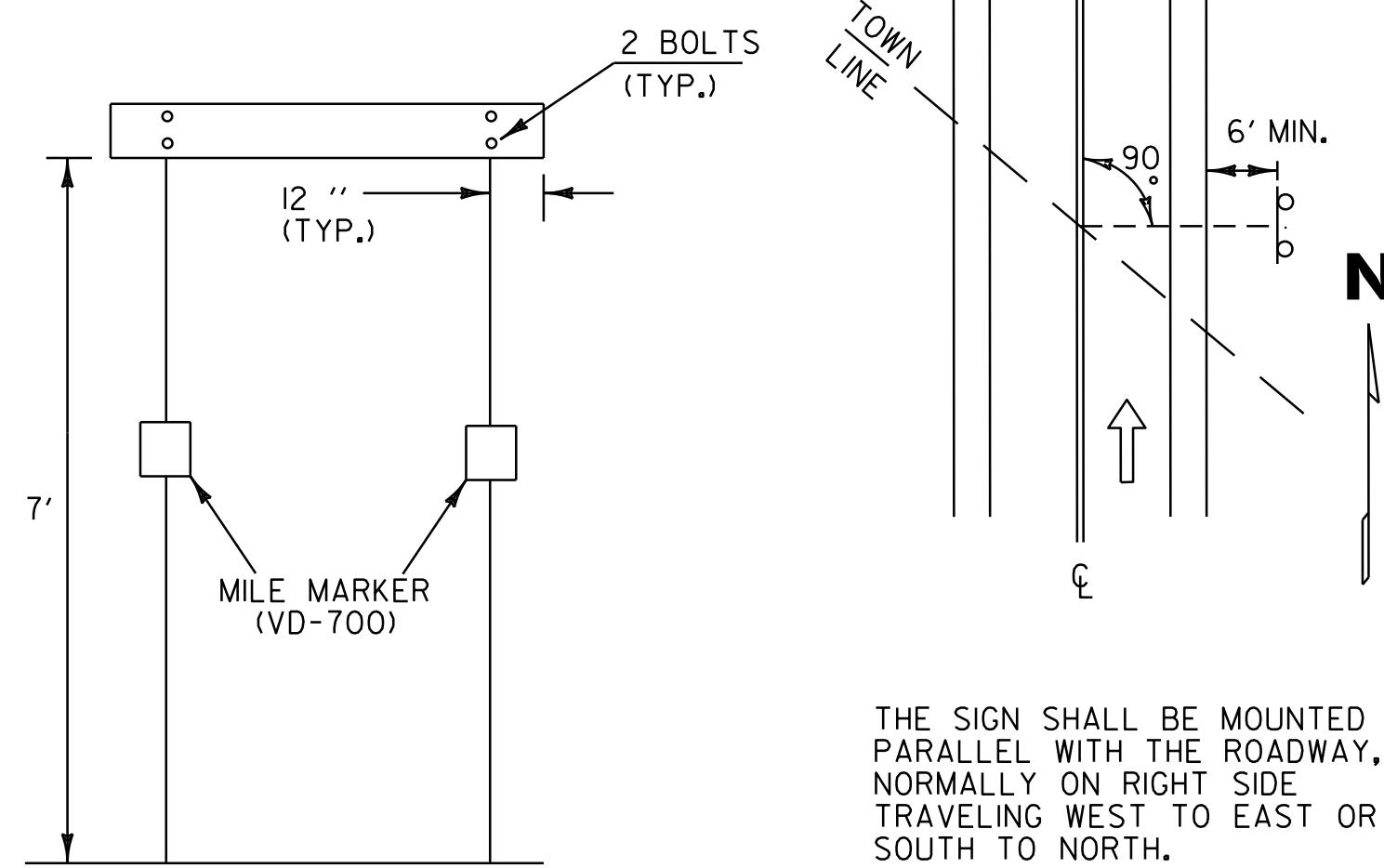
**STANDARD ARROW**



**BORDER DETAIL**

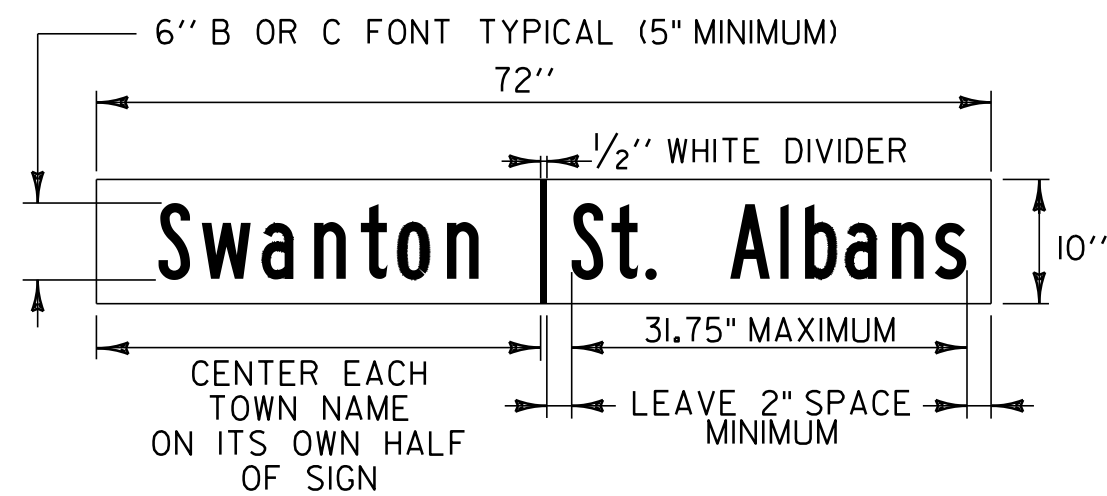
**STANDARD DESTINATION SIGN NOTES  
D1-1, D1-1A, D1-2, D2-1**

1. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND THE "STANDARD HIGHWAY SIGNS" BOOK (SHS) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA).
2. THE SIGN BASE MATERIAL SHALL BE HIGH DENSITY OVERLAIID PLYWOOD 5/8 INCH THICK OR ALUMINUM SHEETING 0.125 IN MINIMUM THICKNESS. THE DESTINATION SIGNS SHOWN ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III (MINIMUM) TEXT, ARROWS, AND BORDERS ON A GREEN RETROREFLECTIVE ASTM TYPE III (MINIMUM) BACKGROUND. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY AASHTO AND APPROVED BY THE FHWA.
3. MULTIPLE SIGN ASSEMBLIES SHALL USE THE SAME SIZE THROUGHOUT. DO NOT MIX AND MATCH OLDER SIGN SIZES WITH NEW SIGN HEIGHTS AND WIDTHS.



THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.

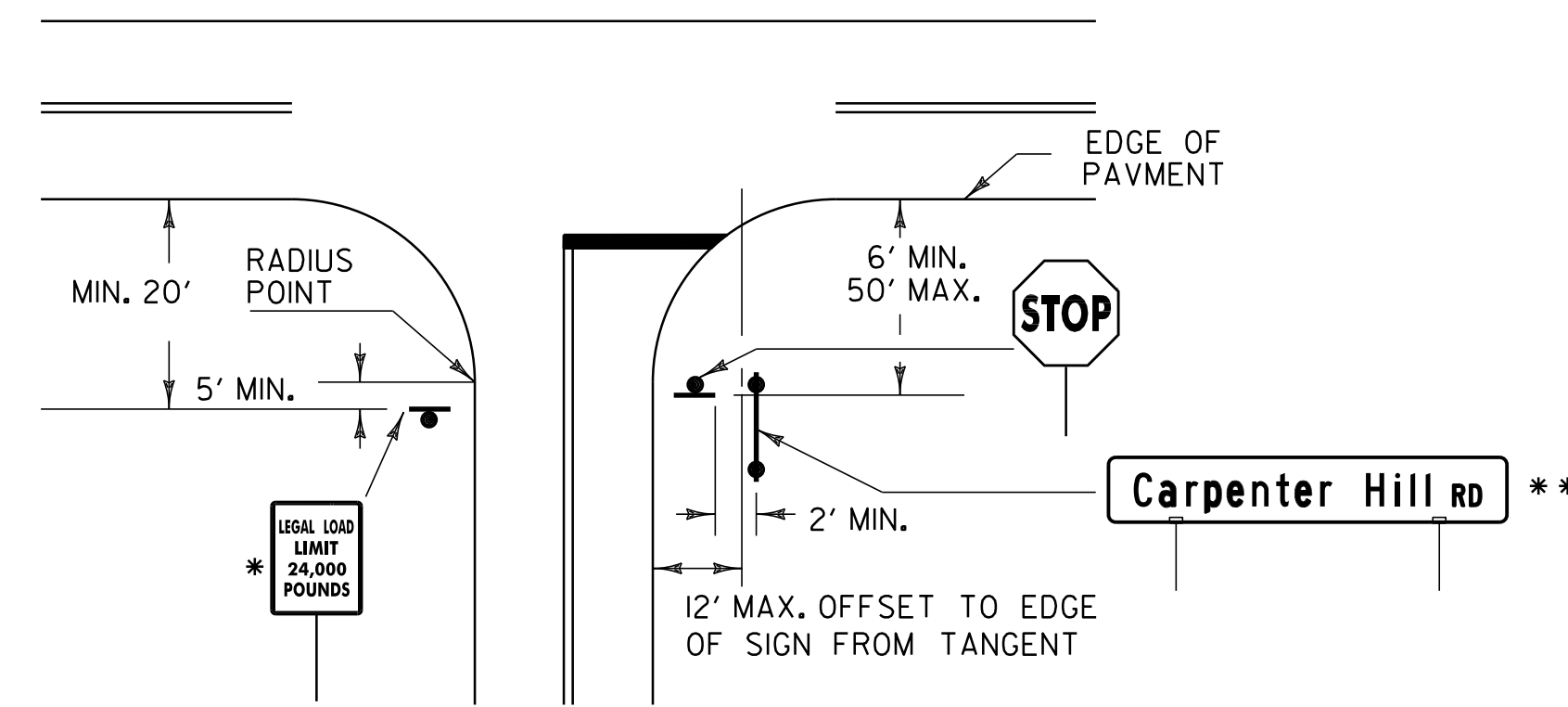
WHEN CROSSING COUNTY BOUNDARIES AN ADDITIONAL COUNTY LINE SIGN SHALL BE MOUNTED BELOW THE TOWN LINE SIGN MAINTAINING A SEVEN FOOT CLEARANCE.



**VD-024 TOWN LINE SIGN  
VD-025 COUNTY LINE SIGN (SIMILAR)**

**TOWN/COUNTY LINE SIGN NOTES:**

1. THE SIGN BASE MATERIAL SHALL BE HIGH DENSITY OVERLAIID PLYWOOD 5/8 INCH THICK OR ALUMINUM SHEETING 0.125 IN MINIMUM THICKNESS. THE DESTINATION SIGNS SHOWN ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III (MINIMUM) TEXT, ARROWS, AND BORDERS ON A GREEN RETROREFLECTIVE ASTM TYPE III (MINIMUM) BACKGROUND. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY AASHTO AND APPROVED BY THE FHWA.
2. THE LETTERING FOR NAMES OF TOWNS AND COUNTIES SHALL BE A COMBINATION OF LOWERCASE LETTERS WITH INTIAL UPPER-CASE LETTERS. WHEN A MIXED-CASE LEGEND IS USED, THE HIEGHT OF THE LOWER-CASE LETTERS SHALL BE 3/4 OF THE HEIGHT OF THE INTIAL UPPER-CASE LETTER.



\* MAY VARY ACCORDING TO ROADWAY CONDITIONS. SIDE ROAD SPEED LIMIT SIGN MAY BE INSTALLED BENEATH THIS SIGN AS REQUIRED.

STOP SIGN SHALL BE PLACED ON DRIVER'S RIGHT. MAINTAIN MAXIMUM VISIBILITY. THE STOP SIGN DOES NOT HAVE TO BE ADJACENT TO THE STOP BAR.

\*\* STREET NAME SIGNS MAY BE INSTALLED AT 90 DEGREES ON TOP OF TOP THE STOP SIGN. STREET NAME SIGNS 48 INCHES OR LESS IN LENGTH. IF THE STREET NAME SIGN IS GREATER THAN 48 INCHES IN LENGTH THEN THE SIGN SHALL BE INSTALLED ON TWO SIGN POSTS TO THE RIGHT OF THE STOP SIGN AT A 2 FOOT MINIMUM LATERAL OFFSET MAINTAINING MAXIMUM VISIBILITY AT THE INTERSECTION FOR THE STOPPED VEHICLE.

**LEGAL LOAD LIMIT AND STOP SIGNS AT INTERSECTIONS WITH TOWN HIGHWAYS**

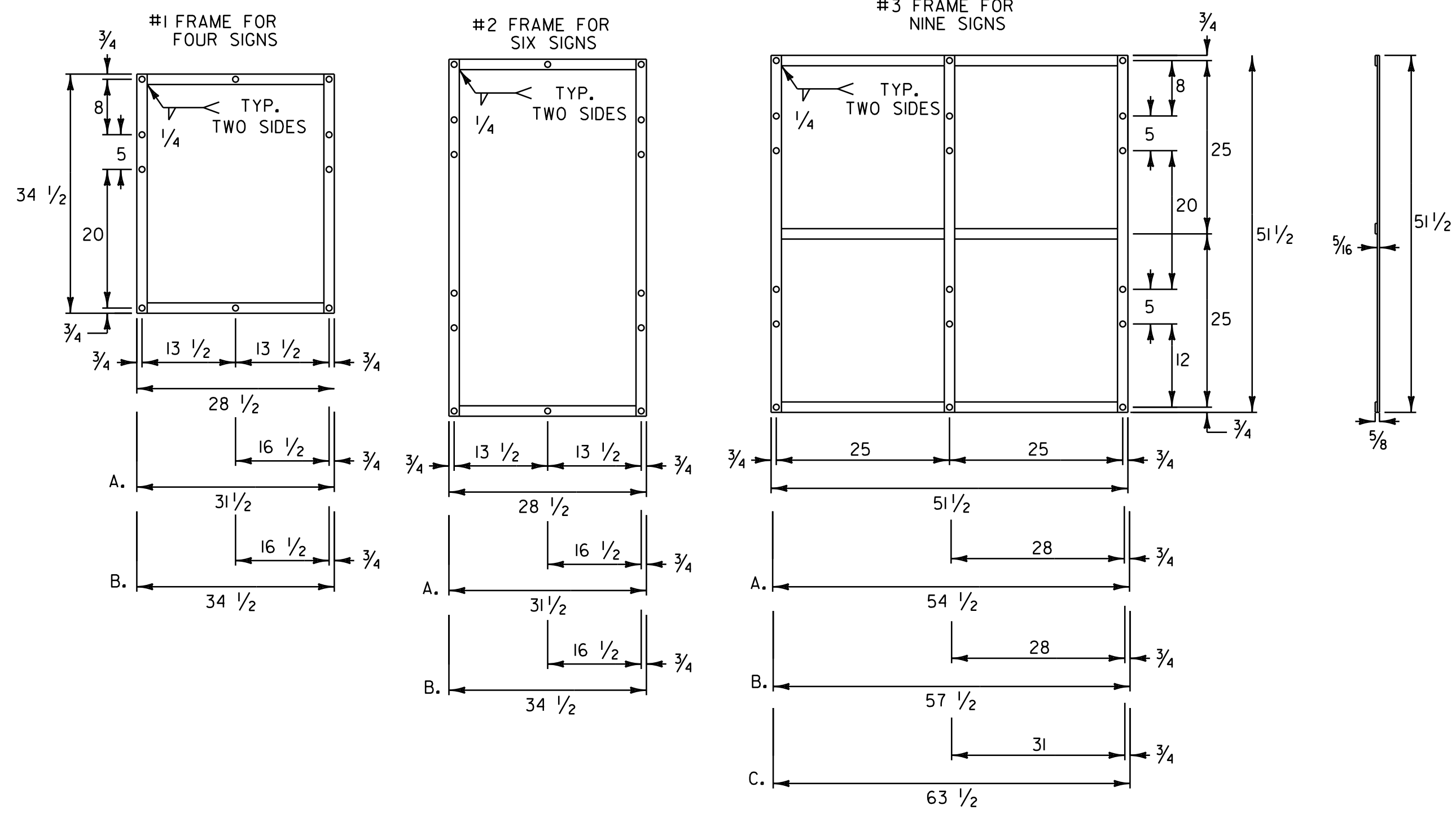
**STREET NAME SIGNS NOTES**

1. THE SIGN BASE MATERIALS USED FOR THE STREET SIGNS MAY BE EITHER OF THE FOLLOWING:  
A - EXTRUDED ALUMINUM BLADES  
B - FLAT ALUMINUM BLADES  
  
THE MATERIAL FOR THE BLADES SHALL BE EITHER EXTRUDED ALUMINUM WITH A 0.25 INCH FLANGE THICKNESS AND A 0.090 INCH WEBB (MIN) OR FLAT SHEET ALUMINUM WITH A MINIMUM THICKNESS OF 0.125 INCH. THE PREFERRED MOUNTING METHOD FOR STREET SIGNS IS POST TOP MOUNTING BRACKETS. HARDWARE FOR MOUNTING SIGNS TO POST SHALL BE INCIDENTAL TO OTHER ITEMS. MOUNTING METHOD WILL BE AS SHOWN ON THE PLANS. FOR POST TOP MOUNTINGS SIGNS SHALL HAVE TEXT ON BOTH SIDES.
2. ALL STREET NAME SIGNSD BASE MATERIAL ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III (MINIMUM) TEXT, ON A GREEN RETROREFLECTIVE ASTM TYPE III (MINIMUM) BACKGROUND. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY AASHTO AND APPROVED BY THE FHWA.

ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

PROJECT NAME:	STATEWIDE NORTHWEST REGION
PROJECT NUMBER:	STP HRRR(5)
FILE NAME:	10k018_wrk.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	NS
GENERAL SIGN DETAILS I	
PLOT DATE:	17-SEP-2012 11:31
DRAWN BY:	NS
CHECKED BY:	JLS
SHEET	6 OF 51

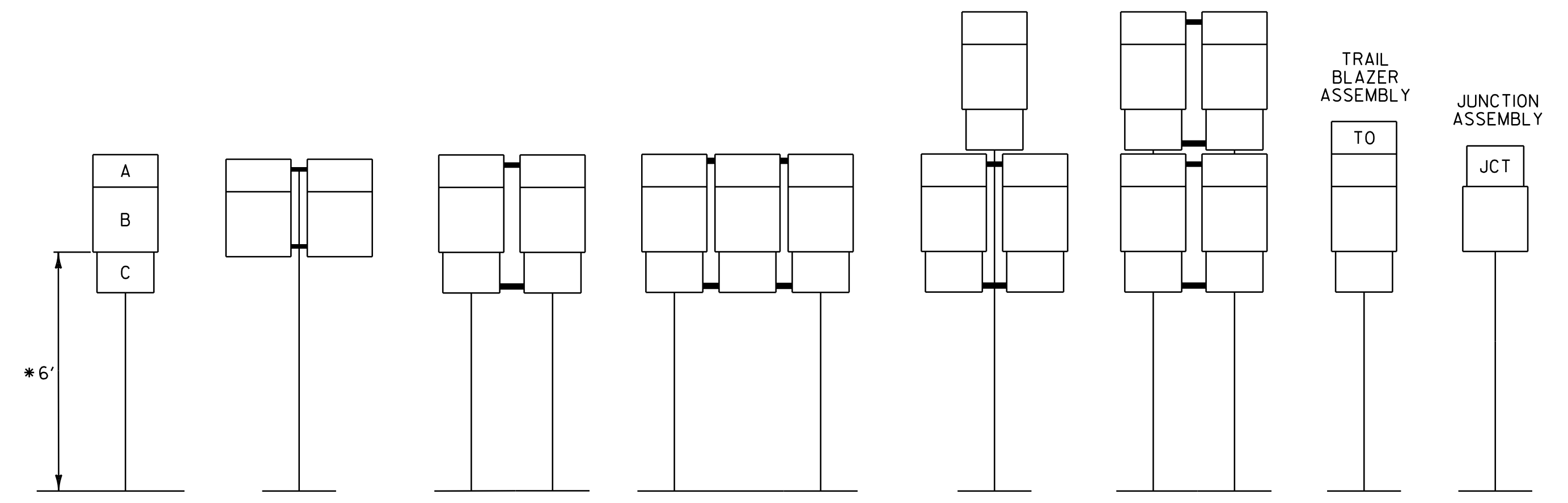
**ROUTE MARKER ASSEMBLY FRAMES**



**NOTES:**

- NOTES FOR 1 AND 2 FRAME:
  - WITH ONE 30 INCH THREE DIGIT SIGN IN AN OUTSIDE POSITION.
  - WITH TWO 30 INCH THREE DIGIT SIGNS
- NOTES FOR 3 FRAME:
  - WITH ONE 30 INCH THREE DIGIT SIGN IN THE CENTER POSITION OR TWO SUCH SIGNS IN THE OUTSIDE POSITIONS.
  - WITH THREE 30 INCH THREE DIGIT SIGNS.
- ALL HOLES SHALL BE 7/16 INCH DIAMETER. FOR OTHER SIGN COMBINATIONS THAN ABOVE, THE FRAME DIMENSIONS AND HOLE SPACING SHALL BE MODIFIED AS NECESSARY. THE FRAME SHALL BE PAINTED WITH ONE COAT OF PRIMER AND A SECOND COAT OF BLACK PAINT. THE PAINT SHALL BE OF THE TYPE USED ON EXTERIOR METAL SURFACES TO PREVENT METAL CORROSION.
- STANDARD FRAMES SHALL BE 5/16 INCH x 1 1/2 INCH WELDED A-36 STEEL.

**STANDARD MOUNTING OF ROUTE MARKER ASSEMBLIES**



- A - CARDINAL DIRECTION MARKER
- B - ROUTE NUMBER
- C - ADVANCE TURN ARROW OR DIRECTIONAL ARROW

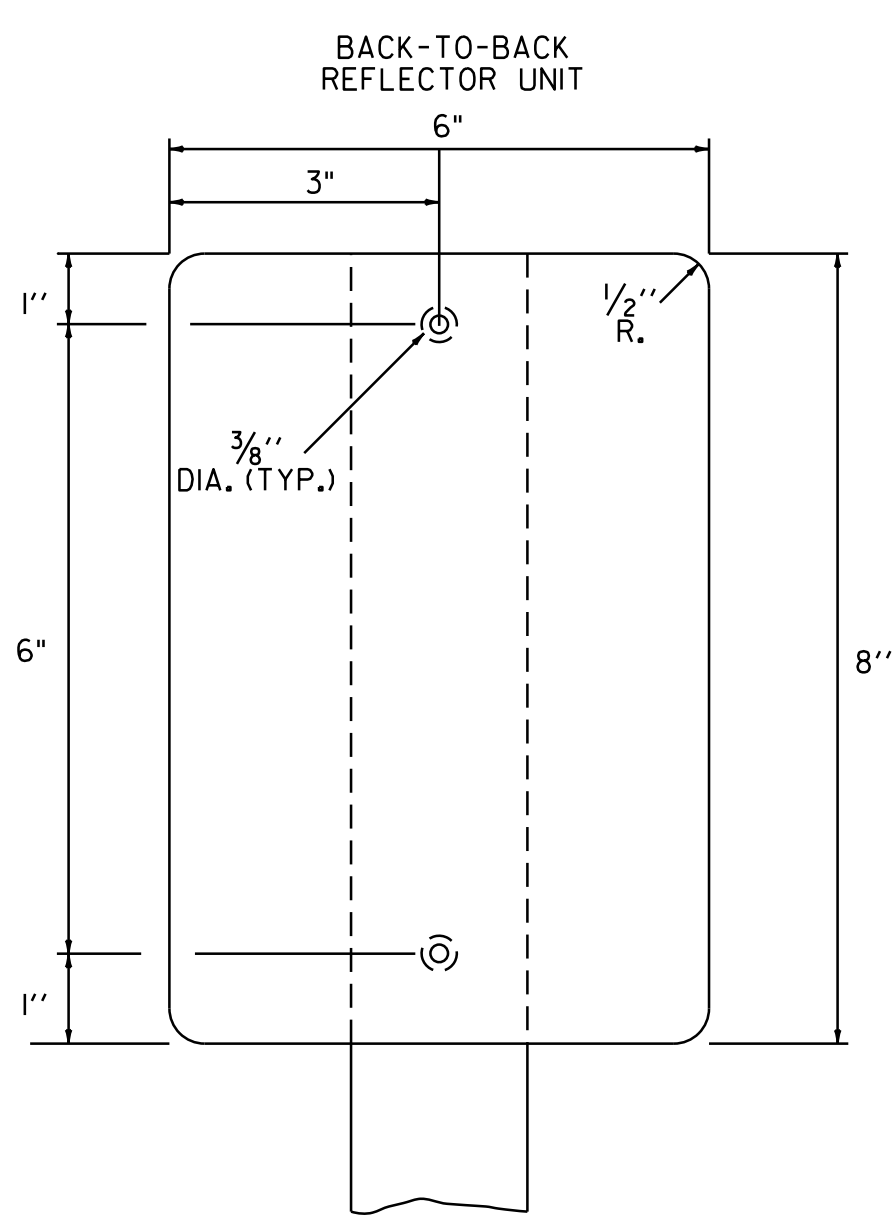
**INSTALLATION SEQUENCE:**

IN MULTIPLE HORIZONTAL MOUNTINGS PLACE A ROUTE MARKER ASSEMBLY INDICATING A LEFT TURN ON THE LEFT SIDE OF THE ASSEMBLY; RIGHT TURN ON THE RIGHT SIDE. FOR VERTICALLY STACKED MOUNTINGS PLACE THE STRAIGHT THROUGH MOVE INDICATION ON TOP, THE LEFT OR RIGHT TURNS AS APPROPRIATE BENEATH.

**NOTES:**

- ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.
- VERTICAL FRAME MEMBERS SHALL LINE UP WITH SIGN POST ON WHICH THEY ARE MOUNTED.

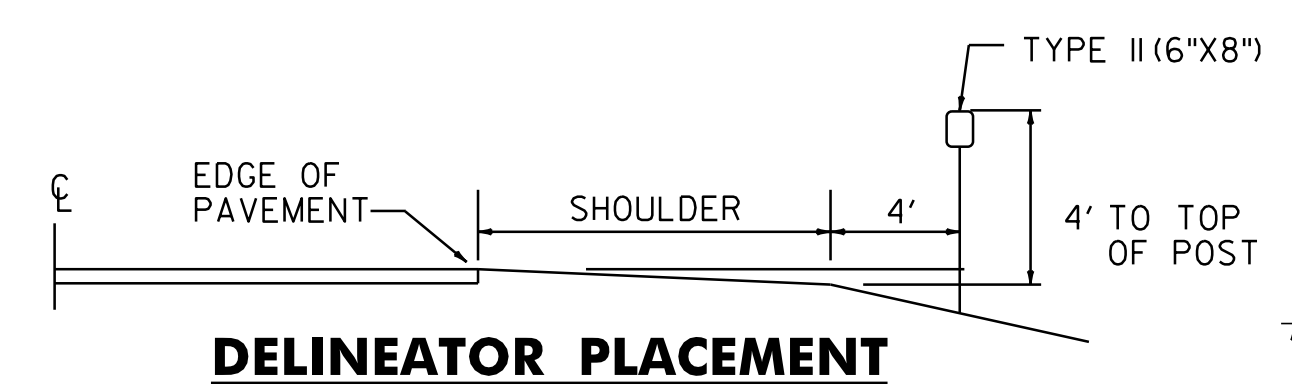
\* WHERE PARKING OR PEDESTRIAN TRAFFIC WILL OCCUR IN THE IMMEDIATE VICINITY OF THESE SIGNS MINIMUM VERTICAL CLEARANCE SHALL BE INCREASED TO SEVEN FEET.



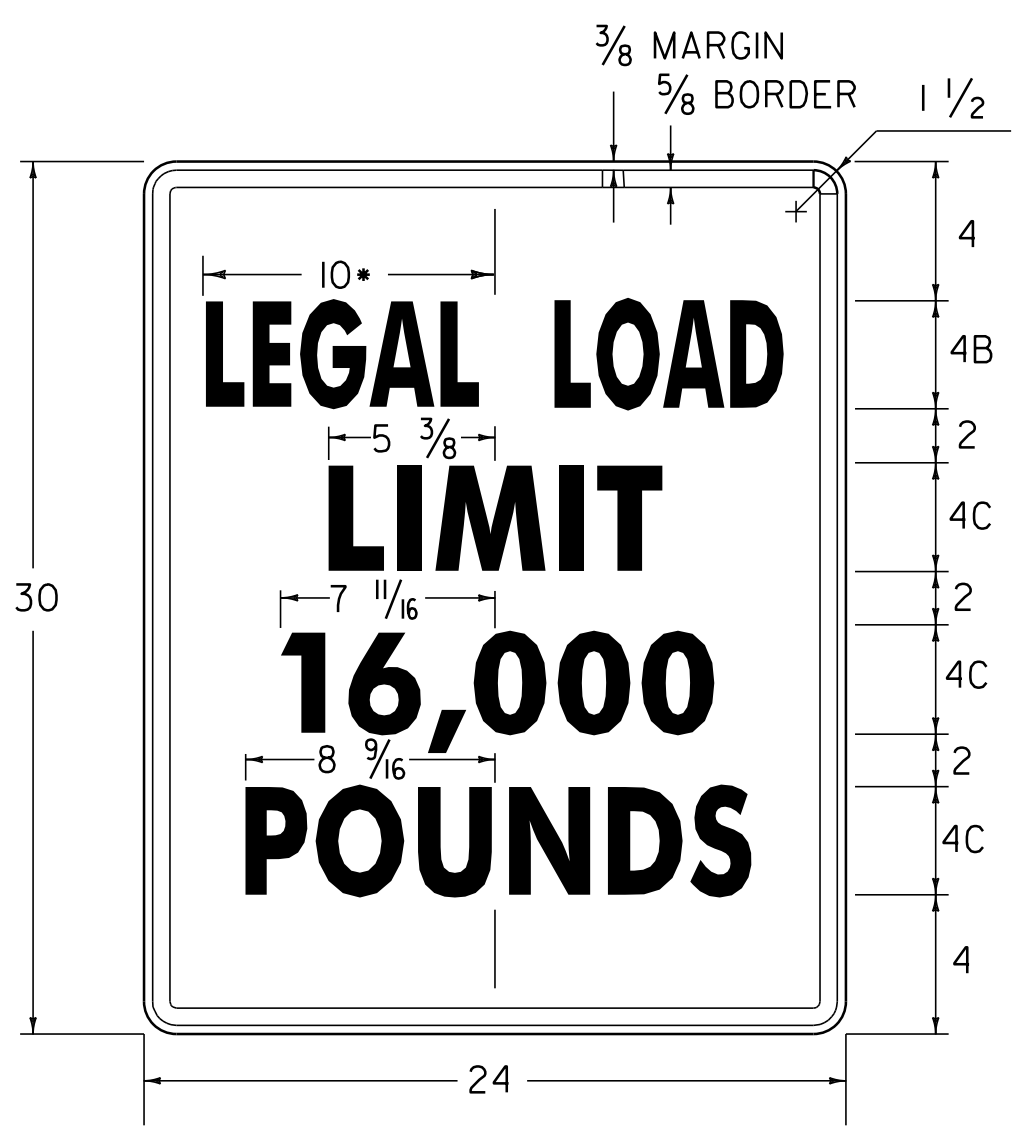
**TYPE II (6"x8")**

**DELINEATORS WITH RETROREFLECTIVE SHEETING**

- MATERIAL FOR RETROREFLECTIVE SHEETING FOR DELINEATORS SHALL BE A 0.063" ALUMINUM BACKING WITH A WHITE ASTM TYPE III OR TYPE IV.
- ALL TYPE II (6"x8") DELINEATOR POSTS SHALL BE 1.88 LB/FT SQUARE STEEL WITH A 12 GAUGE ANCHOR, WITH AN ANCHOR REVEAL OF 2 INCHES.

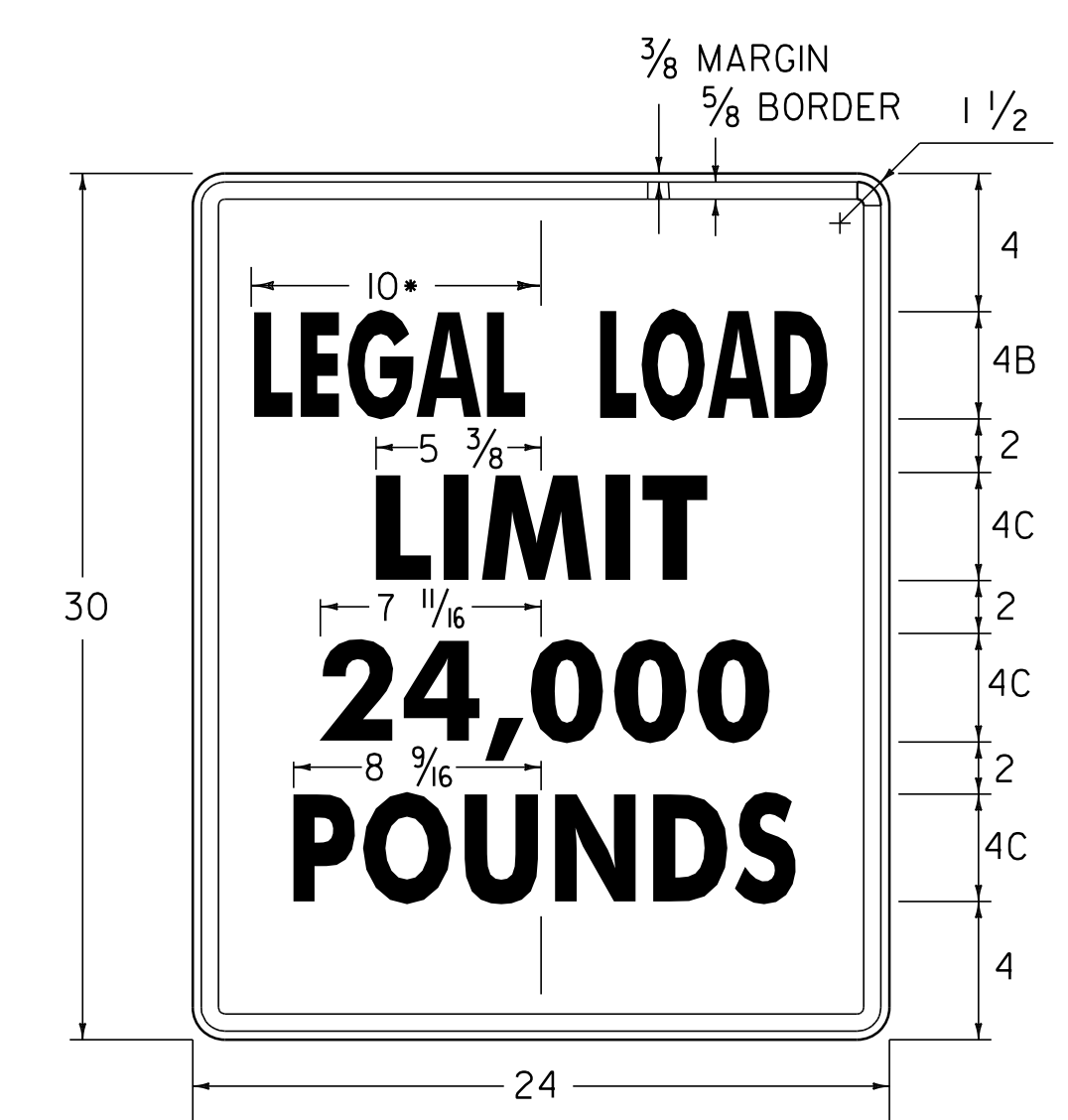


**DELINEATOR PLACEMENT**



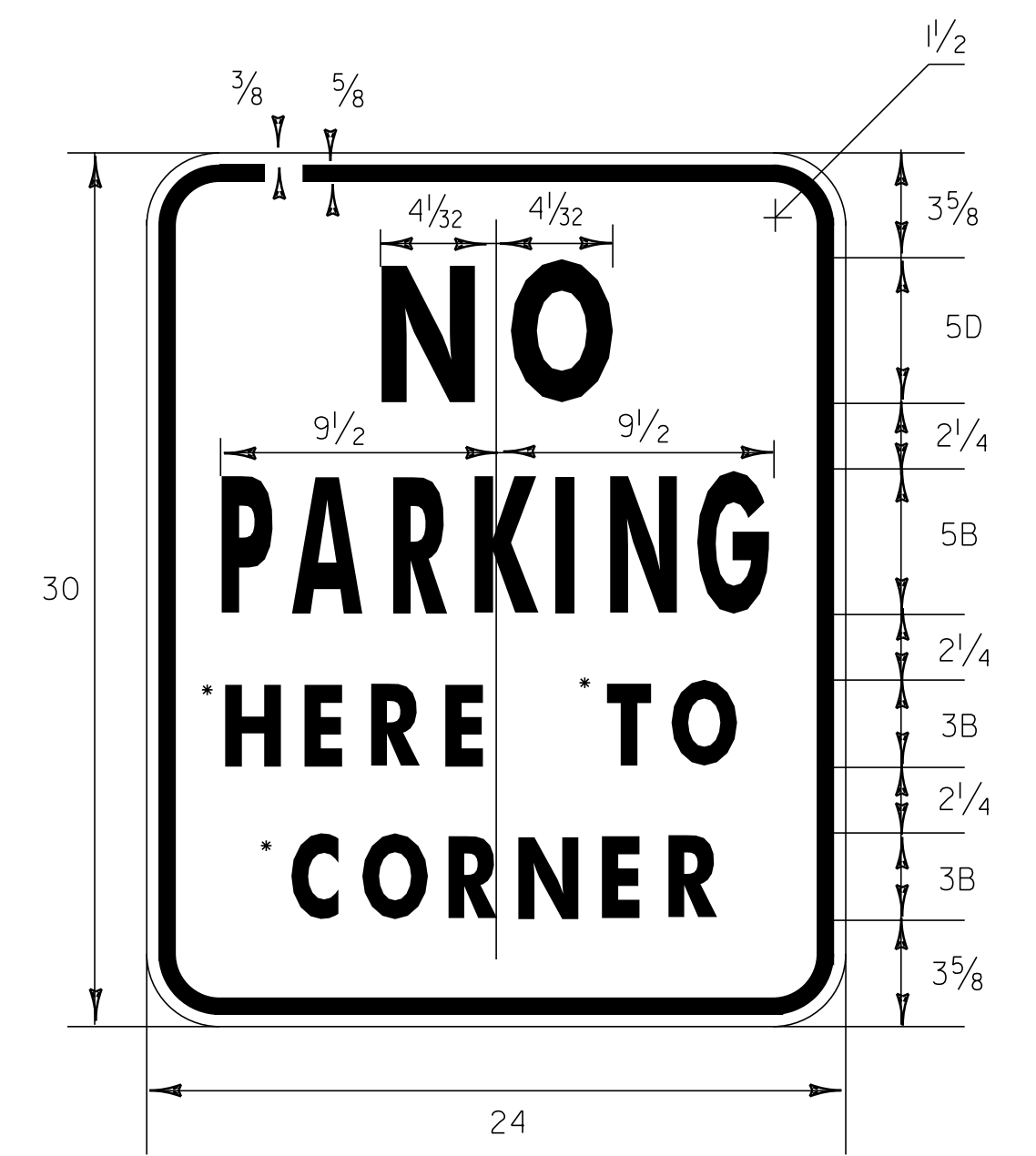
\* REDUCE SPACING 50 %  
LINE 3 ALTERNATE - 16,000  
**VR-017**

1.500" RADIUS, 0.625" BORDER, 0.375" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - WHITE  
TEXT STYLE: "LEGAL LOAD" B; "LIMIT" C;  
"16,000" C; "POUNDS" C



\* REDUCE SPACING 50 %  
LINE 3 ALTERNATE - 16,000  
**VR-017**

1.500" RADIUS, 0.625" BORDER, 0.375" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - WHITE  
TEXT STYLE: "LEGAL LOAD" B; "LIMIT" C;  
"24,000" C; "POUNDS" C



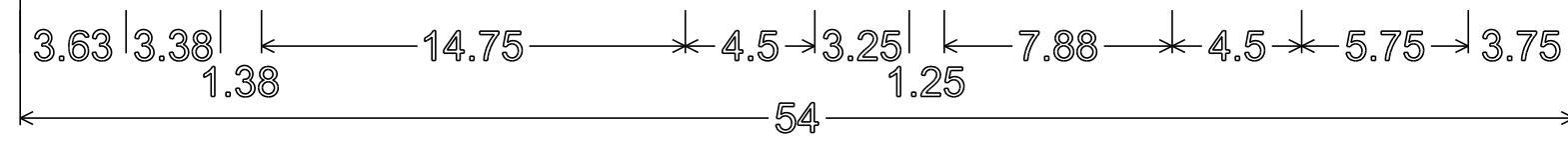
**VR-345**

\* OPTICALLY CENTER (HERE, TO, CORNER)  
1.500" RADIUS, 0.625" BORDER, 0.375" INDENT  
COLORS: LEGEND - RED  
BACKGROUND - WHITE  
TEXT STYLE: "NO" D; "PARKING" B; "HERE TO" B;  
"CORNER" B

ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

PROJECT NAME:	STATEWIDE NORTHWEST REGION
PROJECT NUMBER:	STP HRRR(5)
FILE NAME:	10k018_wrk.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	NLA
GENERAL SIGN DETAILS	2
PLOT DATE:	17-SEP-2012 11:31
DRAWN BY:	NLA
CHECKED BY:	JLS
SHEET	7 OF 51

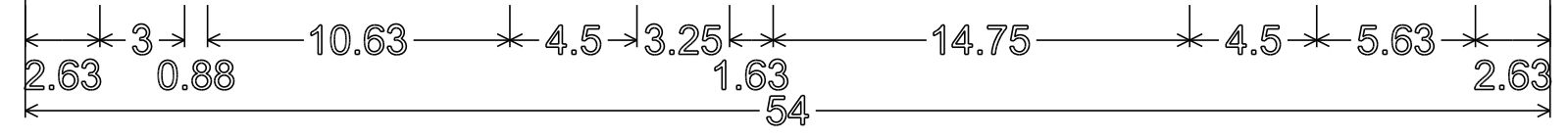
**Boston Post Rd**



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**

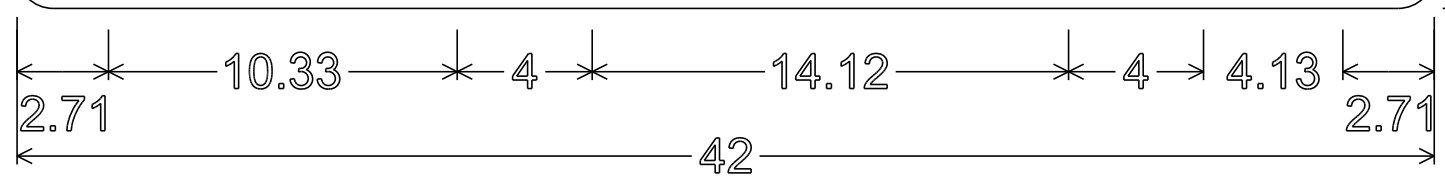
**Tyler Branch Rd**



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**

**Tyler Branch Rd**

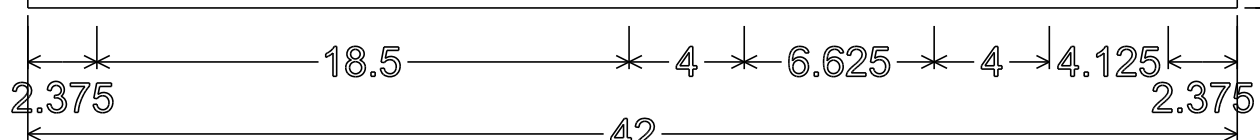


1.5" RADIUS, 0.375" BORDER, 0.375" INDENT  
 COLORS: LEGEND - BLACK  
 BACKGROUND - YELLOW  
 TEXT STYLE: B

**W16-8P**

**ENOSBURG**

**Hockman Hill Rd**



1.5" RADIUS, 0.375" BORDER, 0.375" INDENT  
 COLORS: LEGEND - BLACK  
 BACKGROUND - YELLOW  
 TEXT STYLE: B

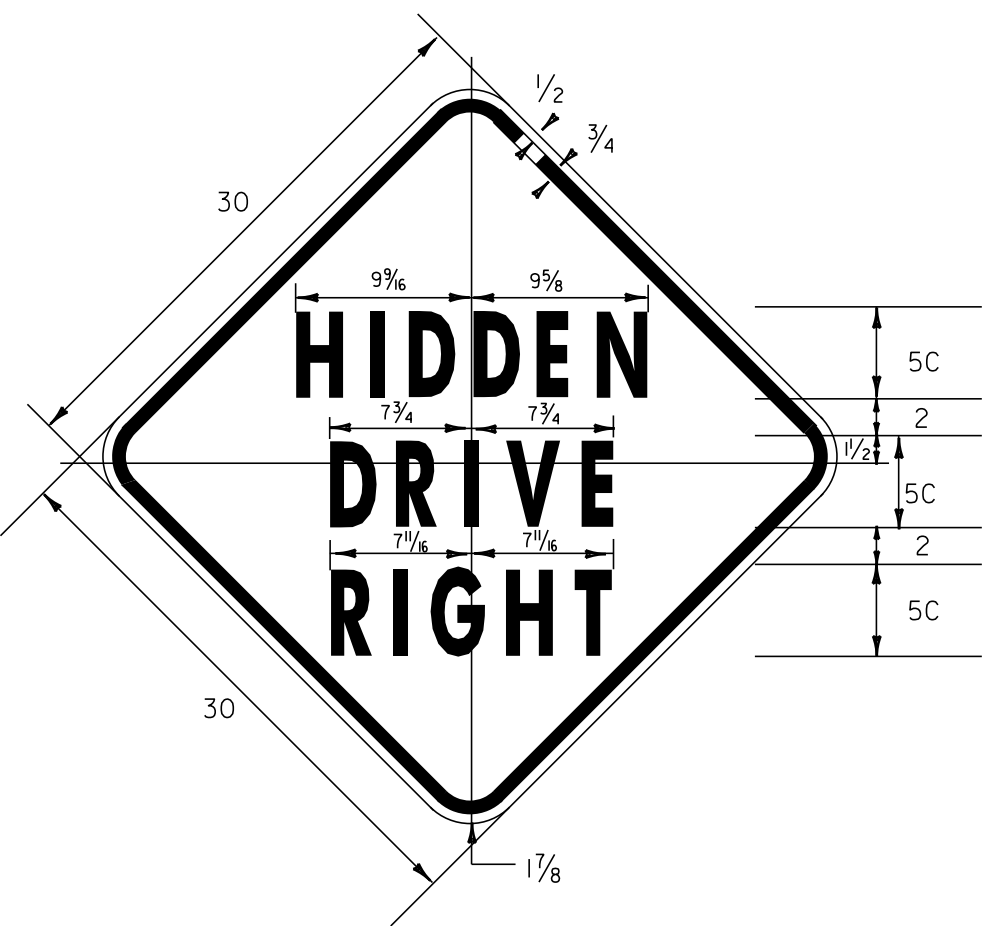
**W16-8P**

**Hockman Hill Rd**



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**

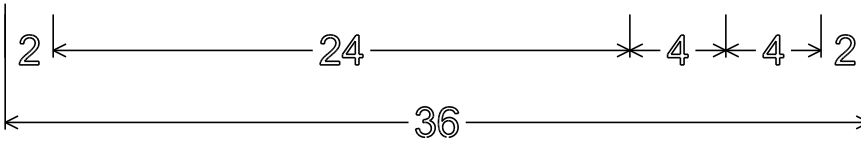


VW-054

1.875" RADIUS, 0.75" BORDER, 0.50" INDENT  
 COLORS: LEGEND - BLACK  
 BACKGROUND - YELLOW  
 TEXT STYLE: "HIDDEN" C; "DRIVE" C; "LEFT" C

**NORTHFIELD**

**Campground Rd**

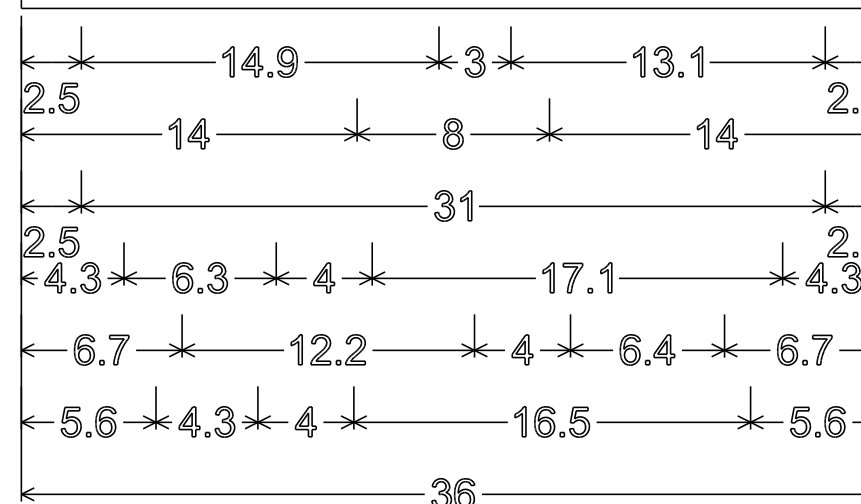


1.5" RADIUS, 0.375" BORDER, 0.375" INDENT  
 COLORS: LEGEND - BLACK  
 BACKGROUND - YELLOW  
 TEXT STYLE: B

**W16-8P**

**NEW HAVEN**

**RATTLIN BRIDGE  
 NOT  
 RECOMMENDED  
 FOR CAMPERS,  
 BUSES, RVS  
 OR TRAILERS**



2.5" RADIUS, 0.625" BORDER, 0.375" INDENT  
 COLORS: LEGEND - BLACK  
 BACKGROUND - WHITE  
 TEXT STYLE: RATTLIN BRIDGE - C  
 NOT - C  
 RECOMMENDED - C  
 FOR CAMPERS, - B  
 BUSES, RVS - B  
 OR TRAILERS - B

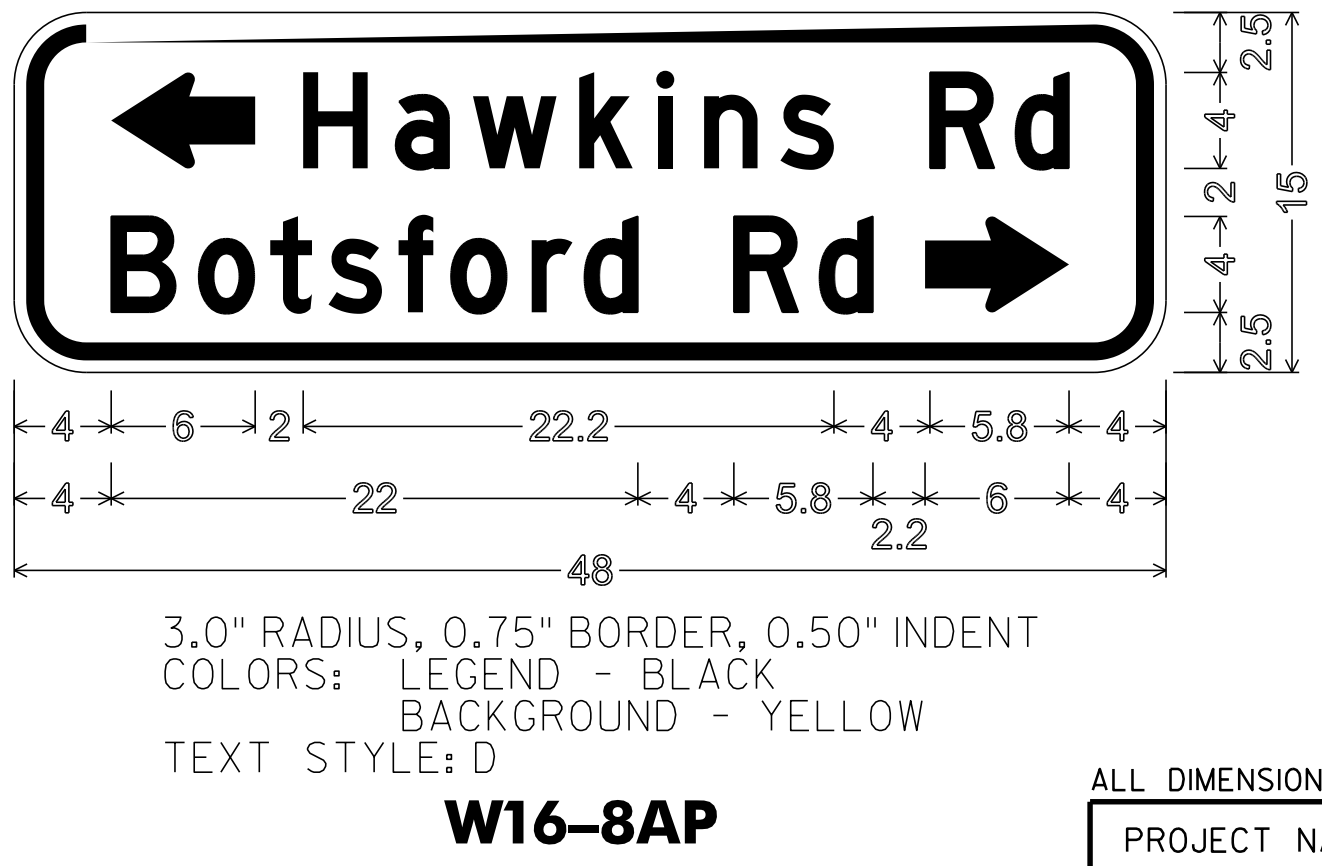
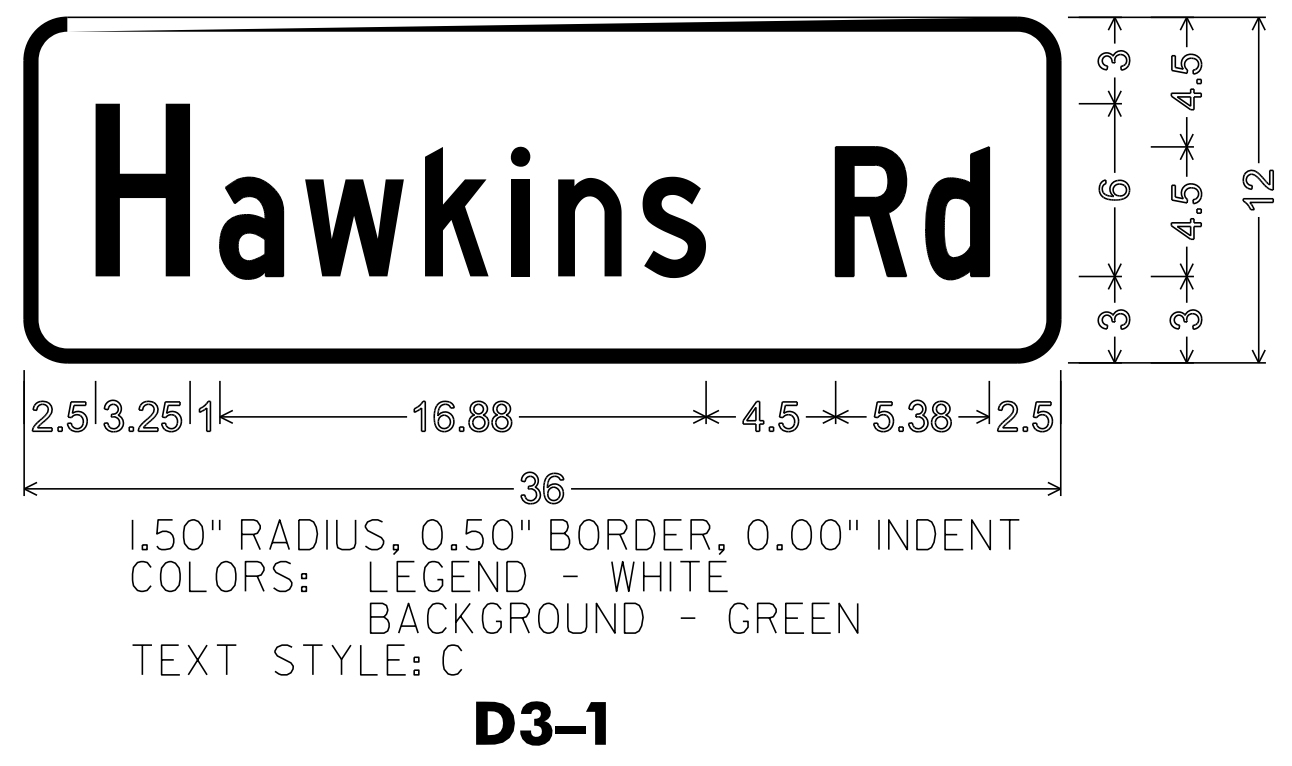
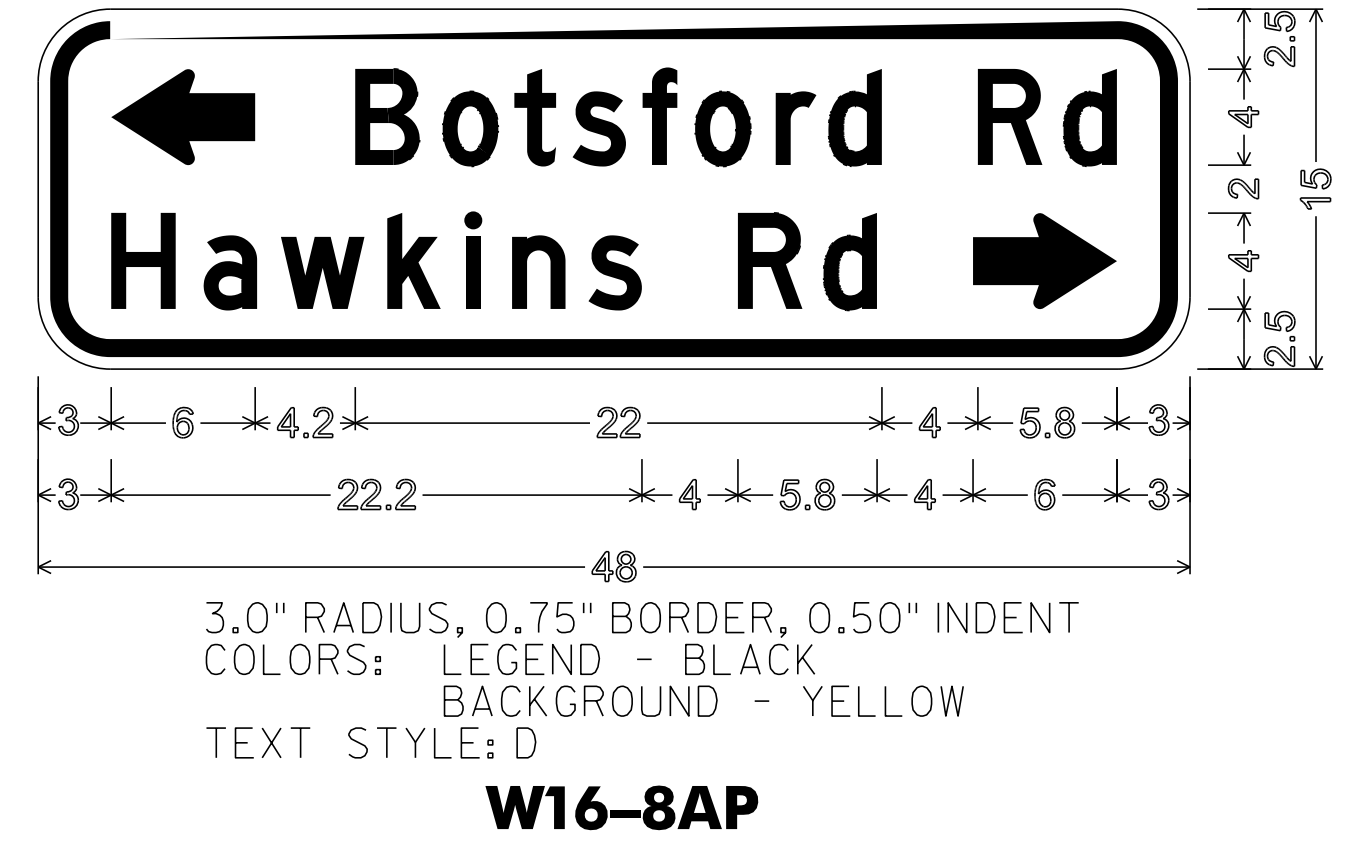
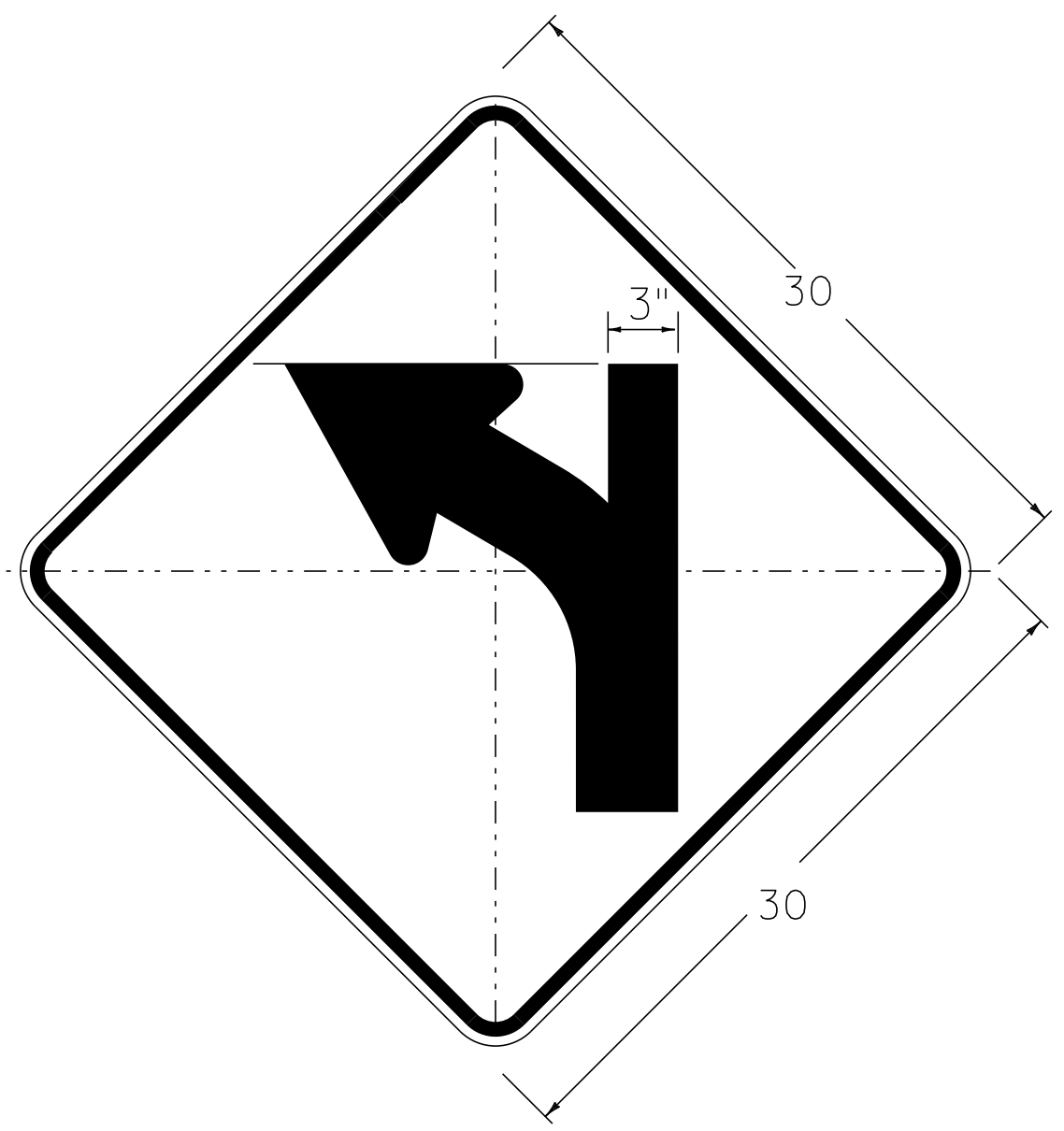
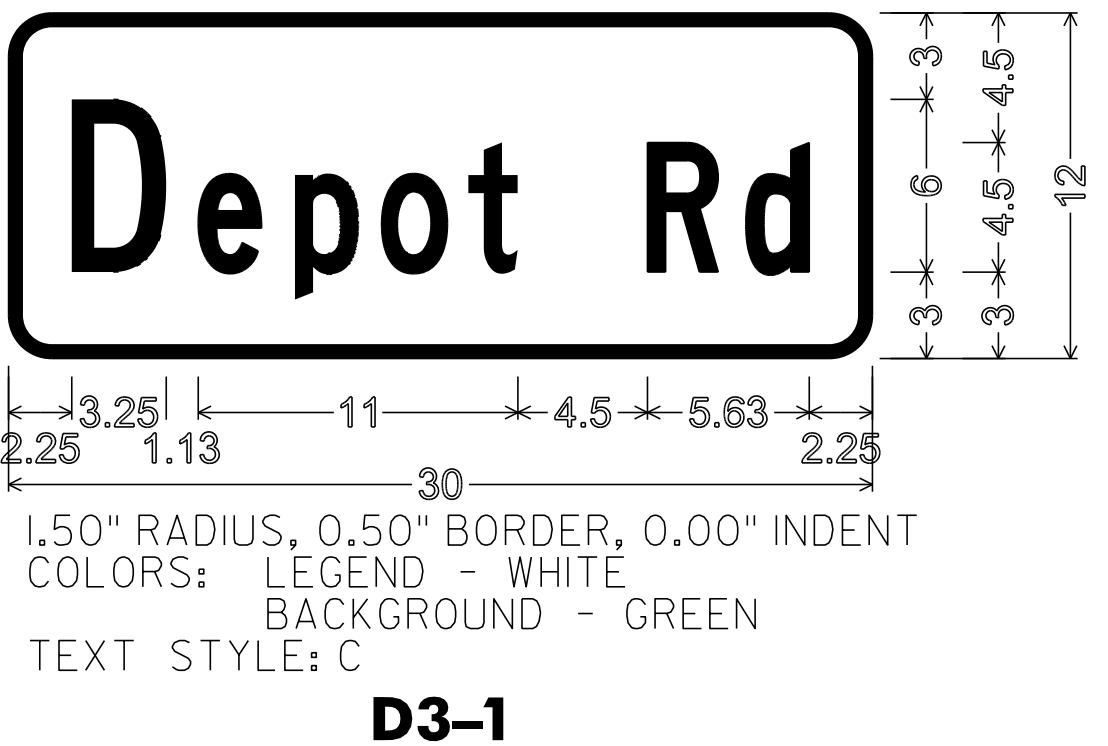
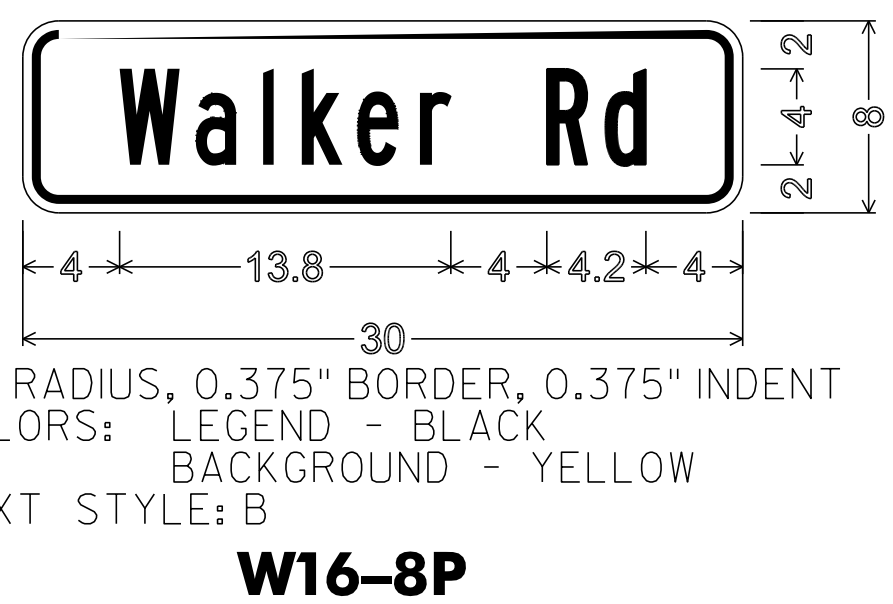
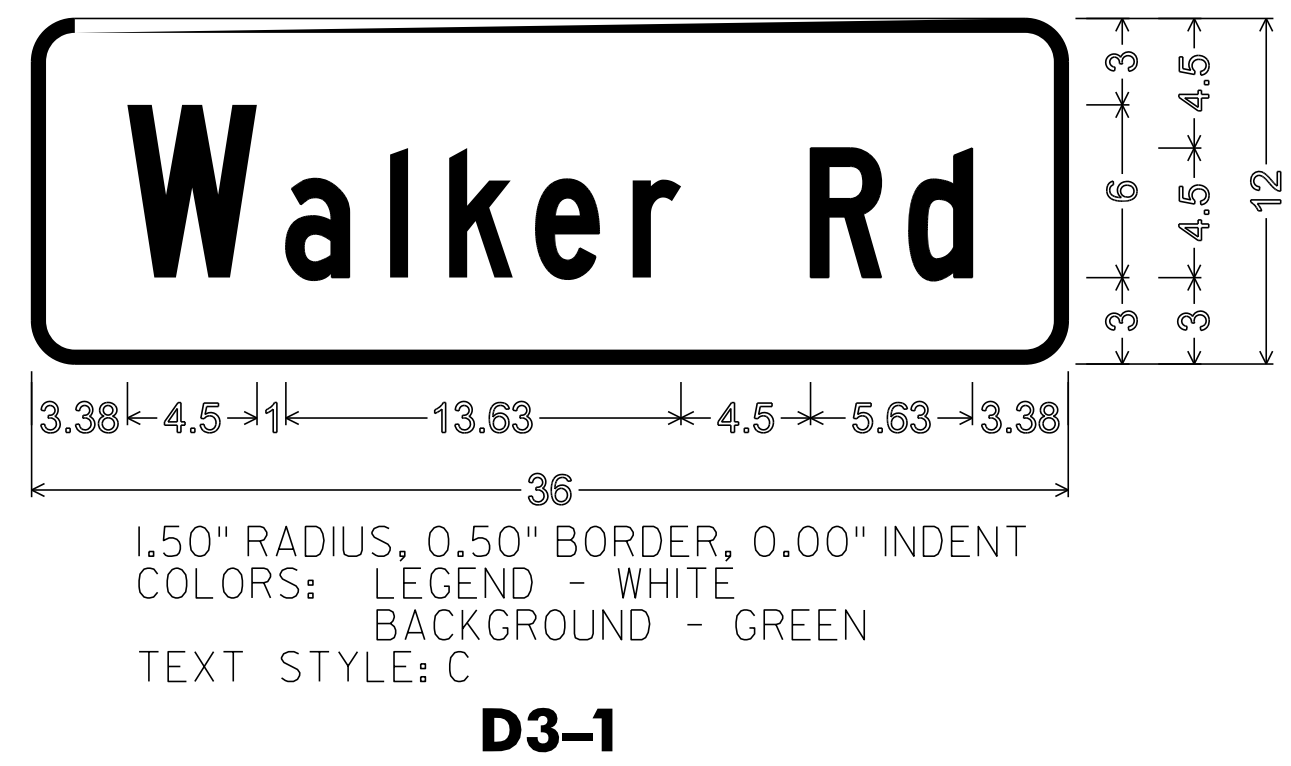
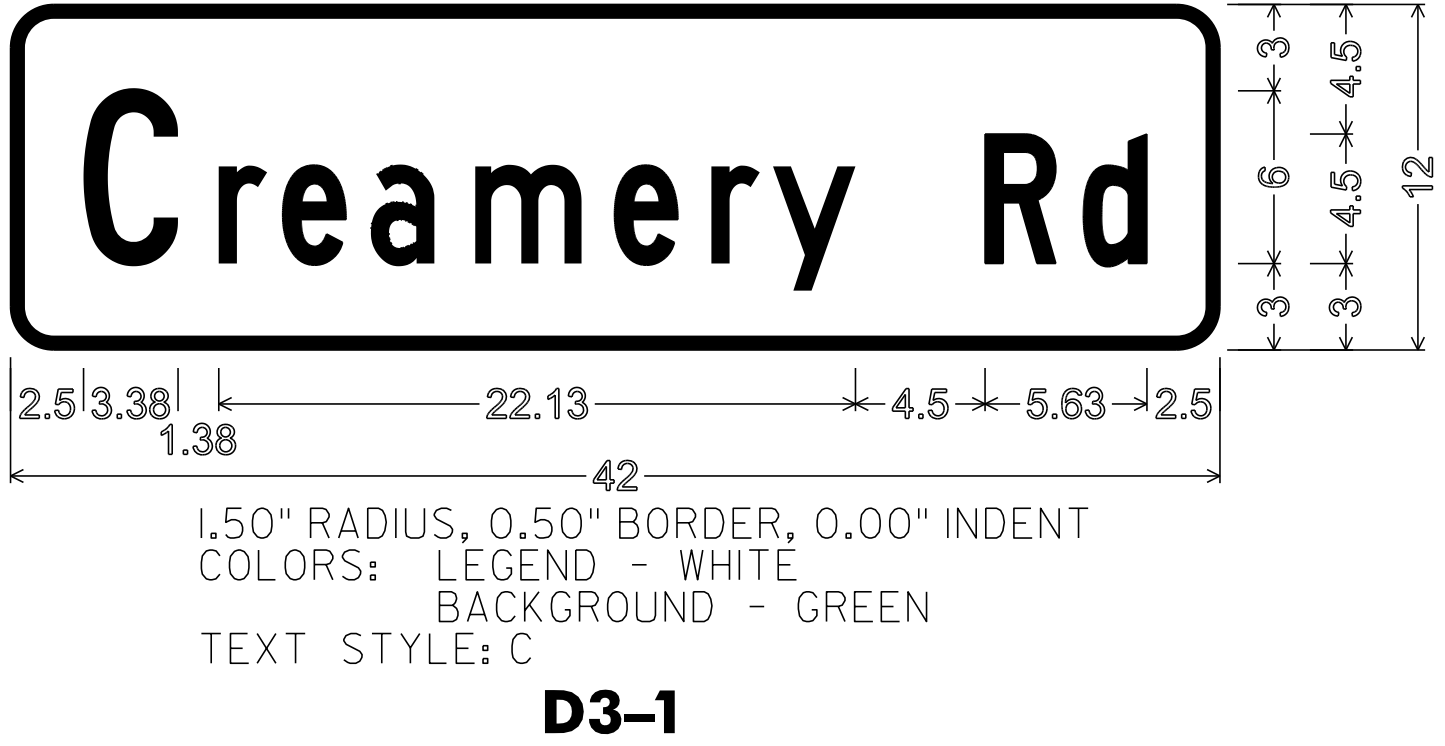
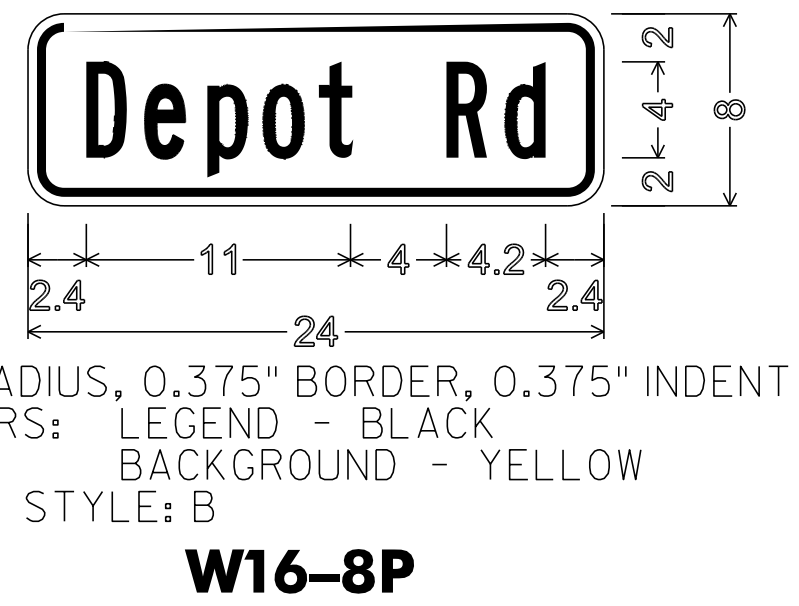
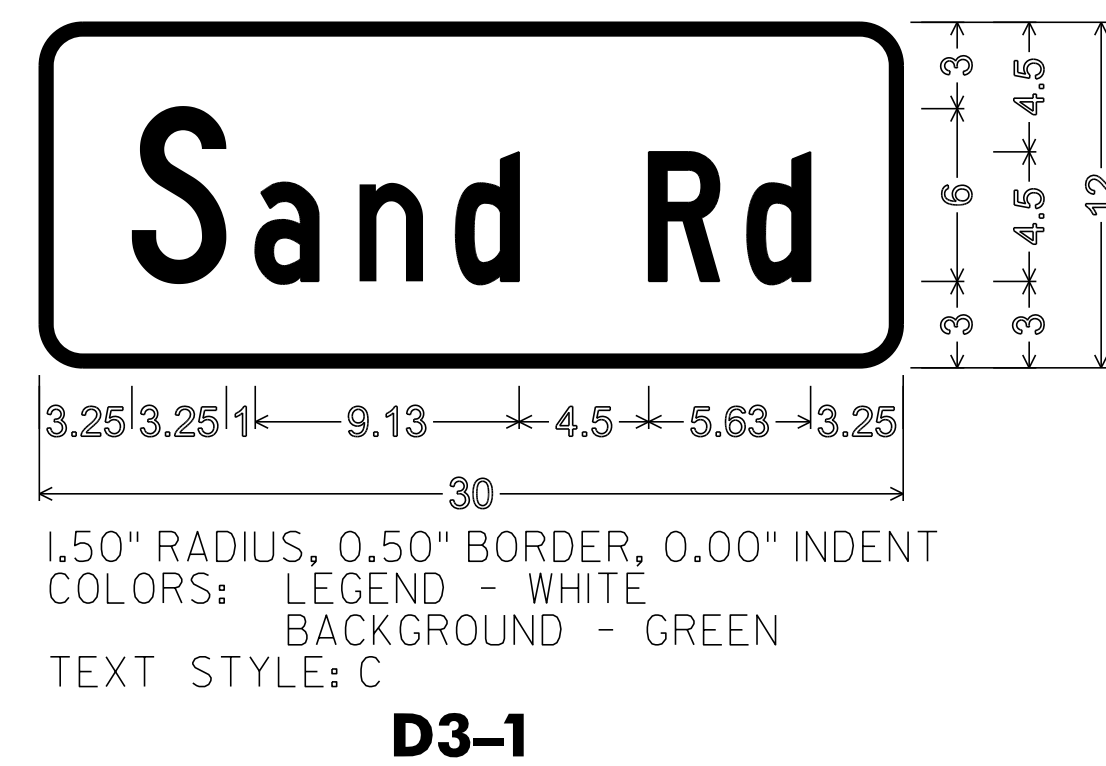
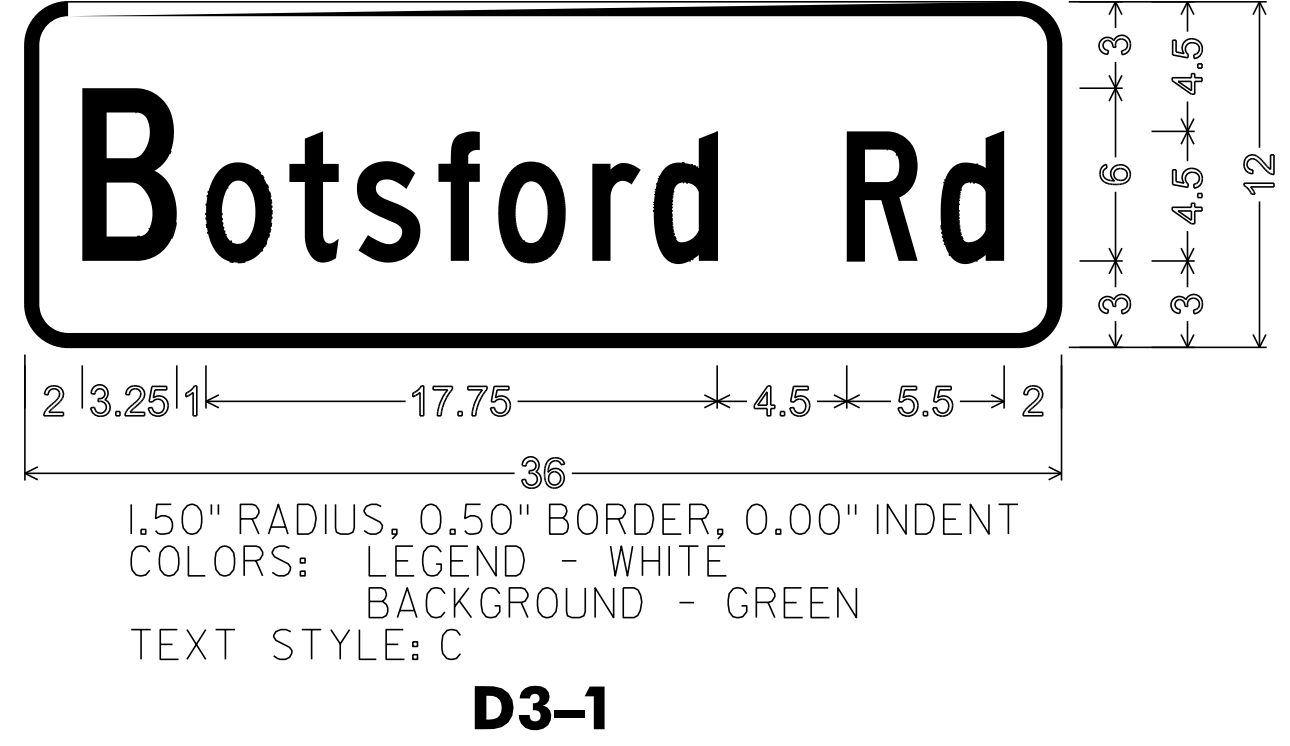
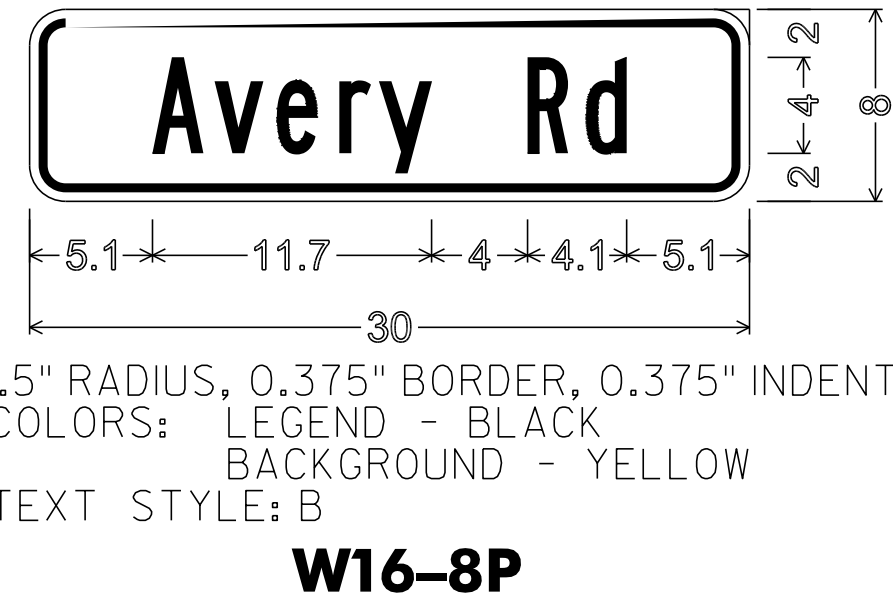
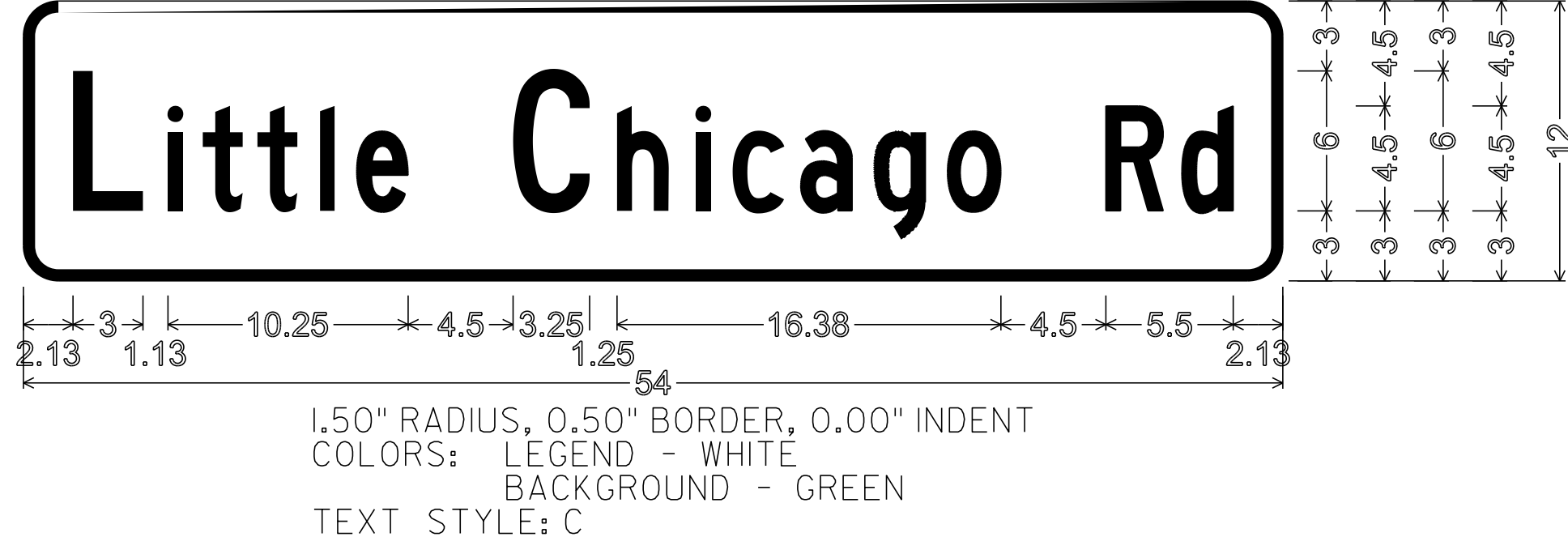
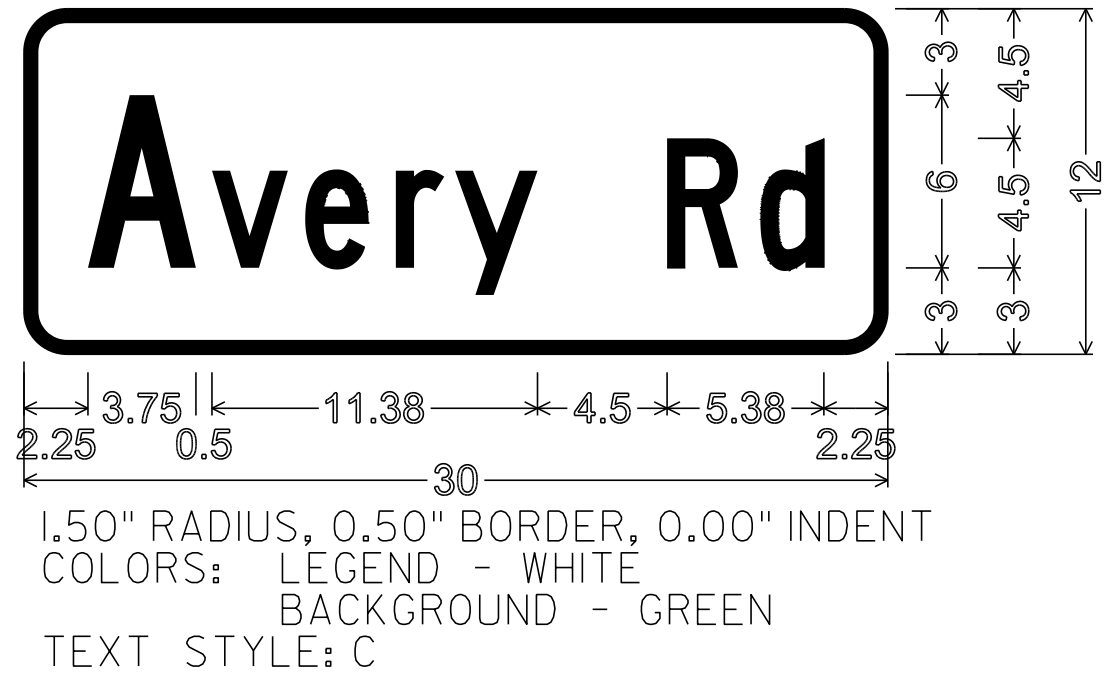
**VR-493M**

**WEYBRIDGE**

ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

PROJECT NAME: STATEWIDE NORTHWEST REGION  
 PROJECT NUMBER: STP HRRR(5)

FILE NAME: I0K018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:31  
 PROJECT LEADER: JLS DRAWN BY: NLA  
 DESIGNED BY: NLA CHECKED BY: JLS  
 SPECIFIC SIGN DETAILS ENO/NOR/NEW H/WEY SHEET 8 OF 51

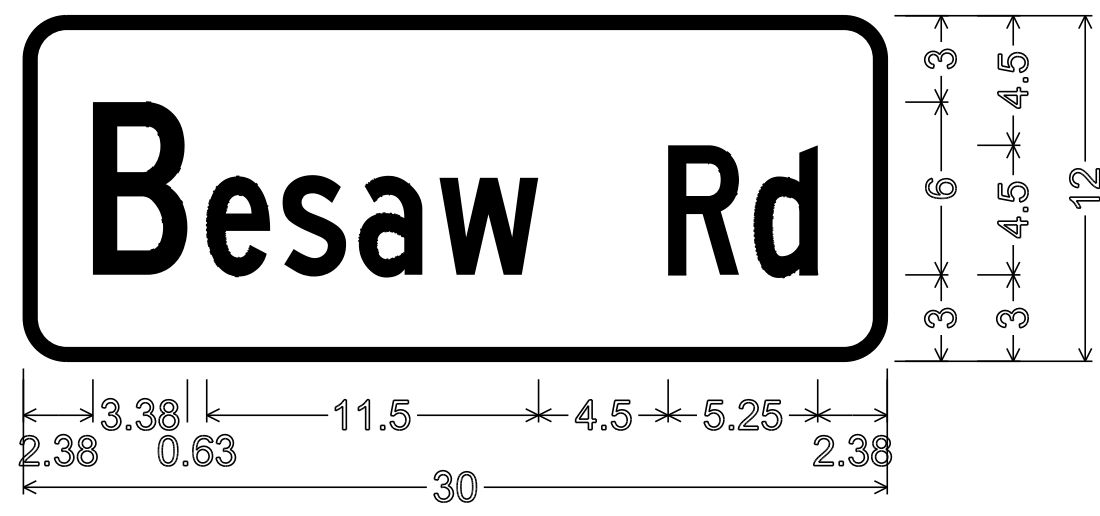


**FERRISBURGH**

ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

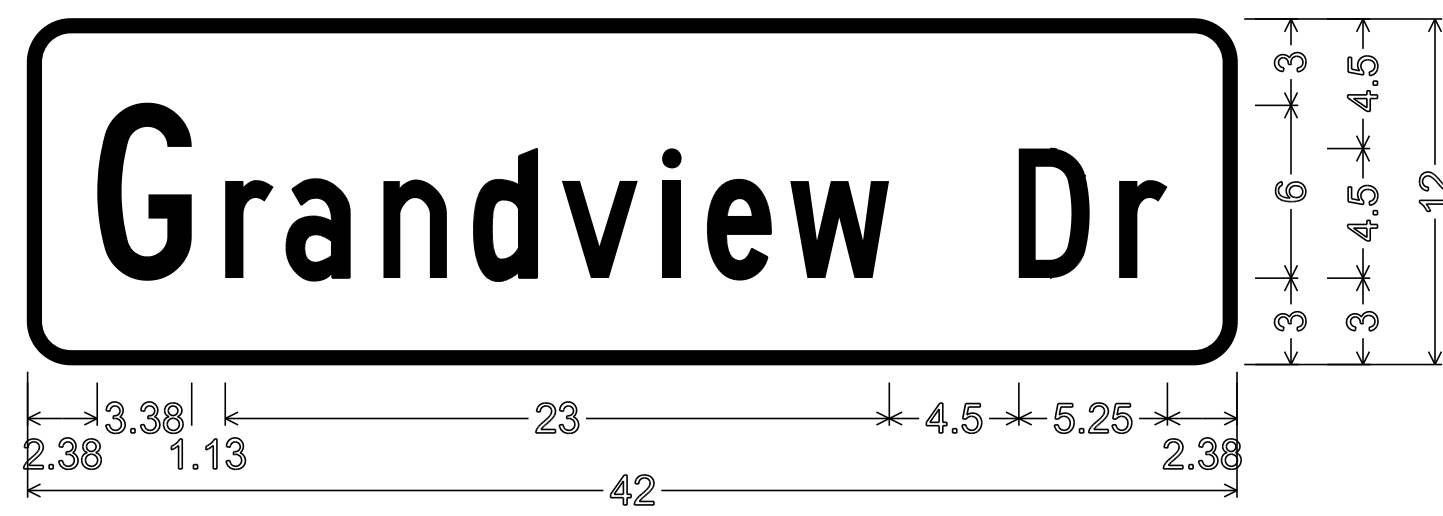
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 PROJECT NUMBER: STP HRRR(5)

FILE NAME: I0K018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:31  
 PROJECT LEADER: JLS DRAWN BY: NLA  
 DESIGNED BY: NLA CHECKED BY: JLS  
 SPECIFIC SIGN DETAILS FERRISBURGH SHEET 9 OF 51



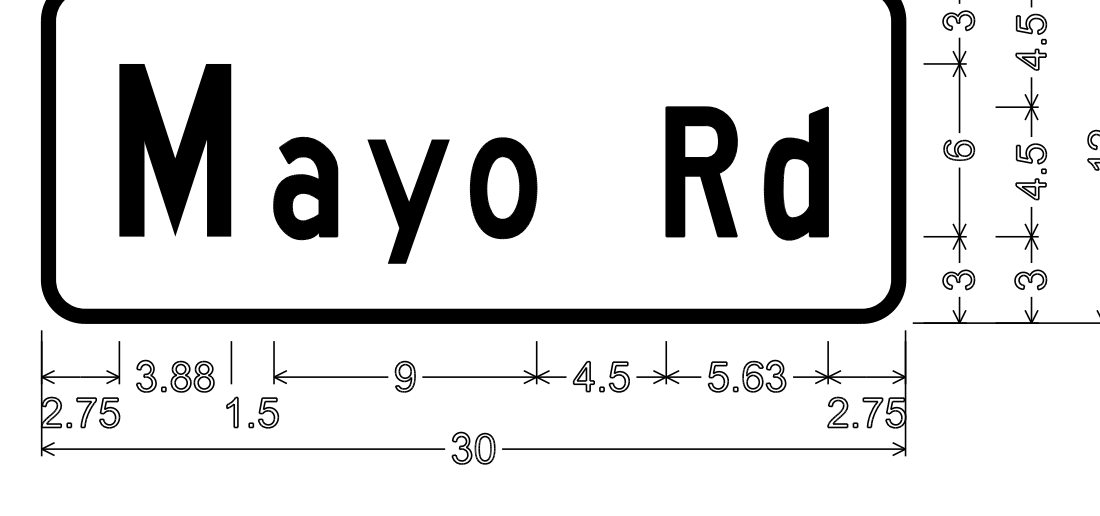
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COLORS: LEGEND - WHITE  
BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



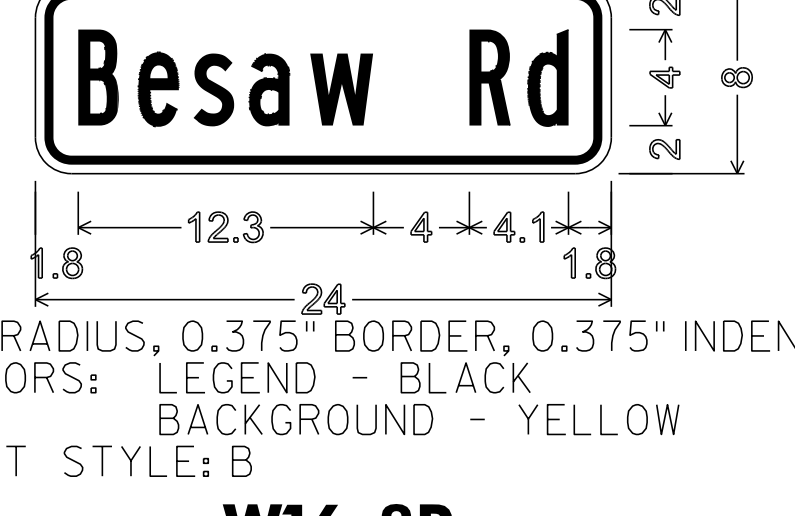
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BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



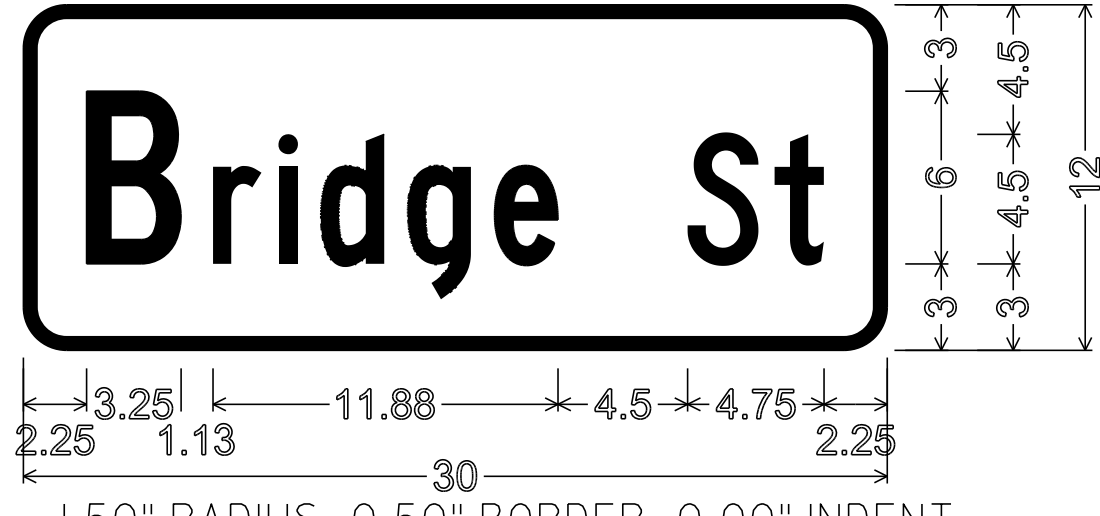
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BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



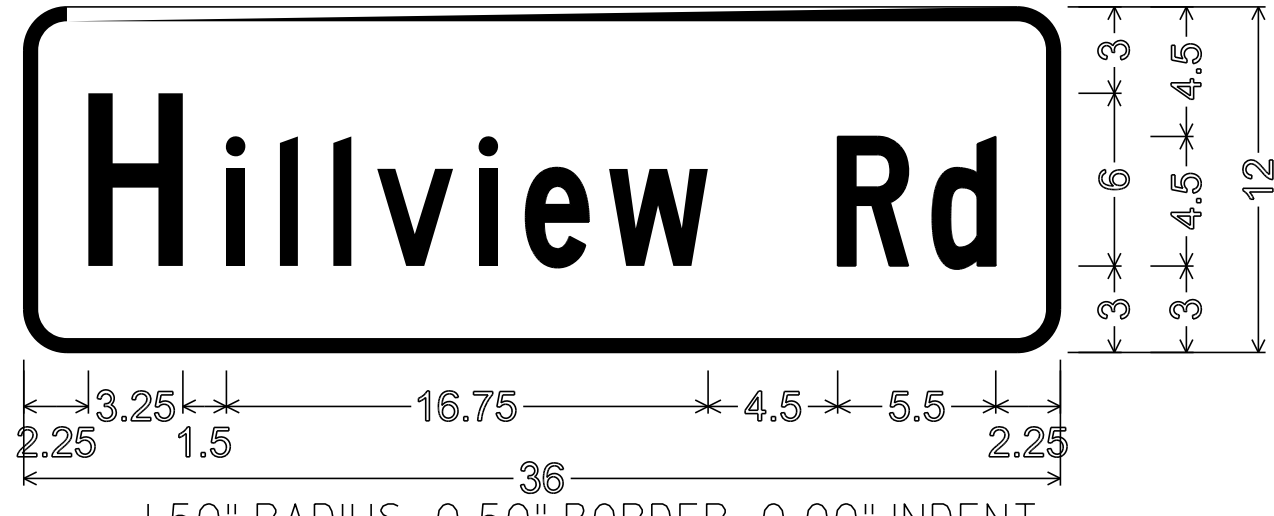
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COLORS: LEGEND - BLACK  
BACKGROUND - YELLOW  
TEXT STYLE: B

W16-8P



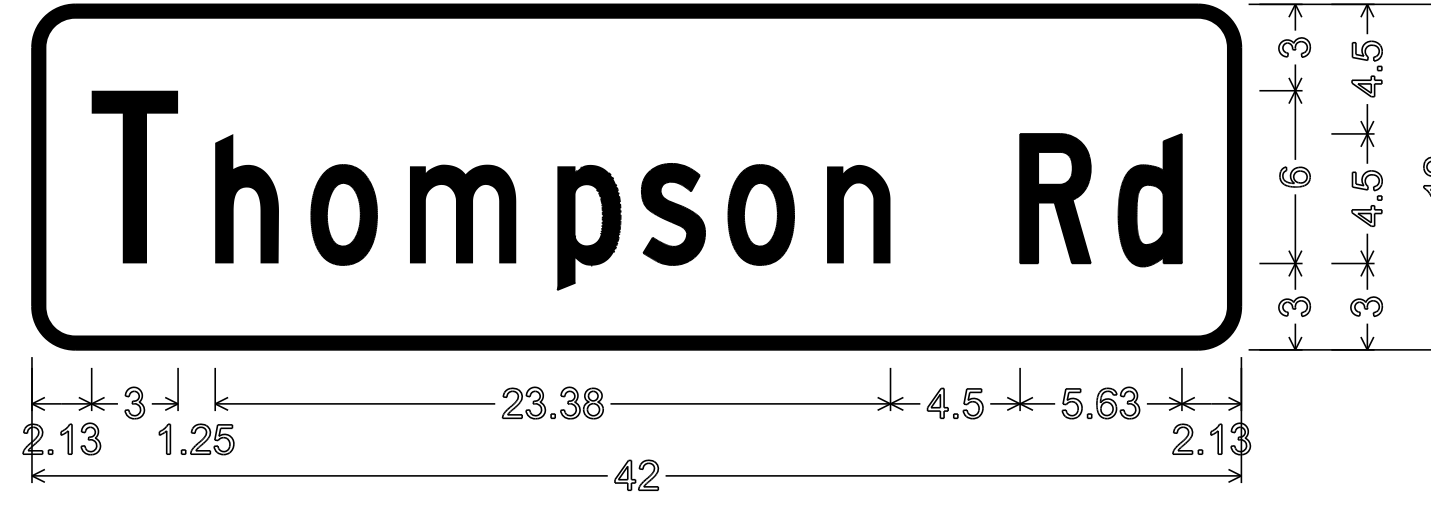
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COLORS: LEGEND - WHITE  
BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



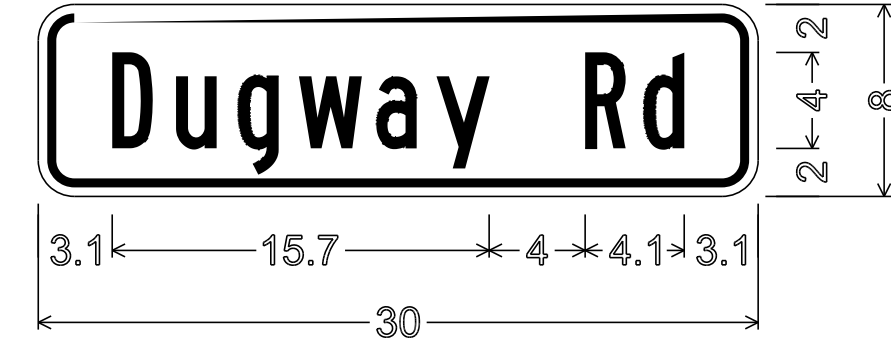
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TEXT STYLE: C

D3-1



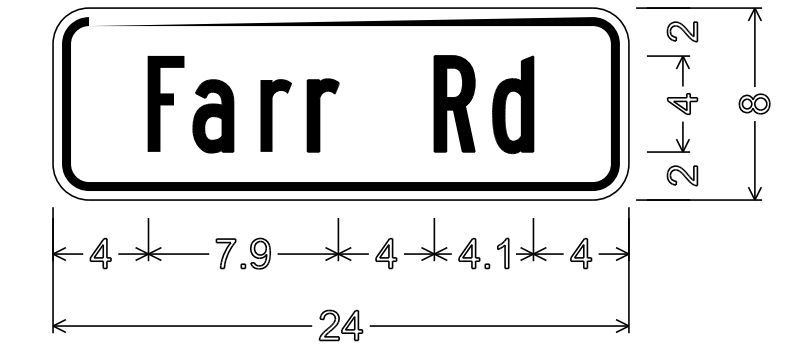
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TEXT STYLE: C

D3-1



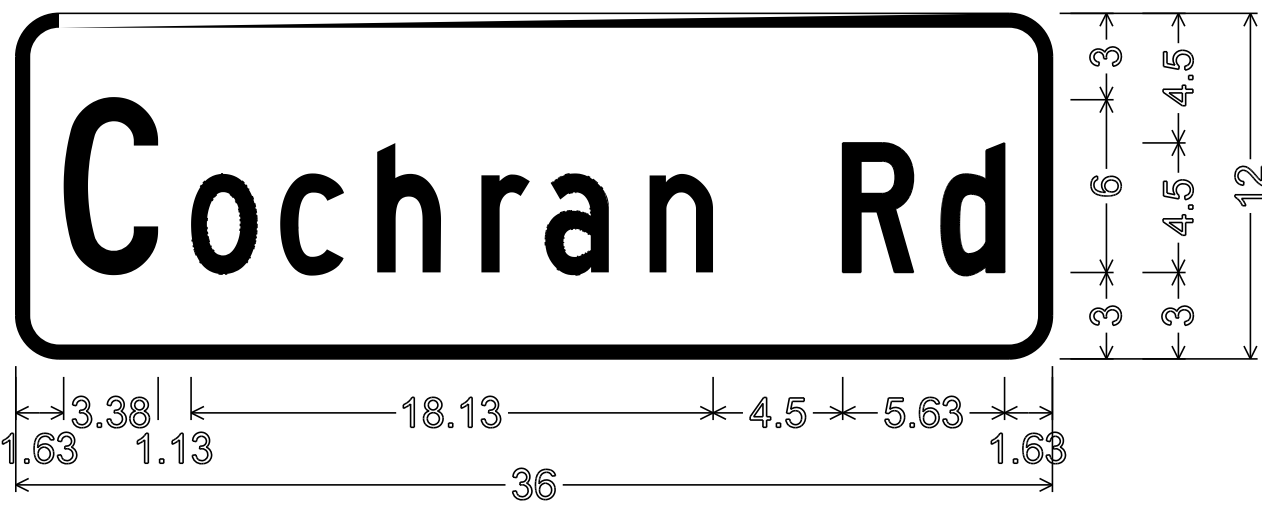
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W16-8P



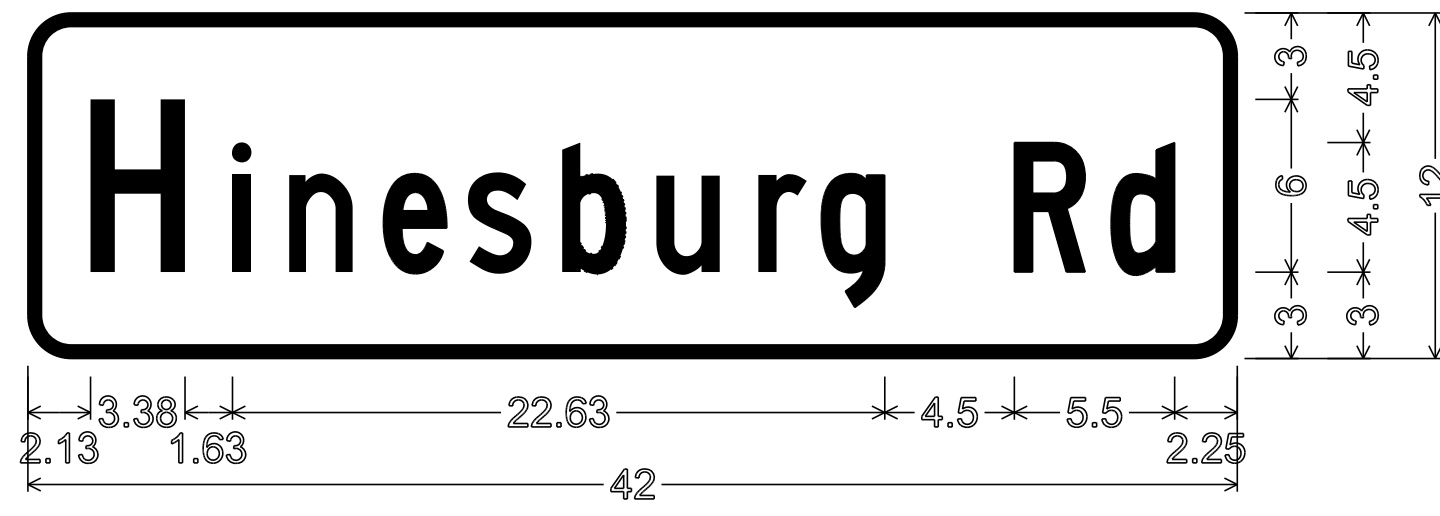
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W16-8P



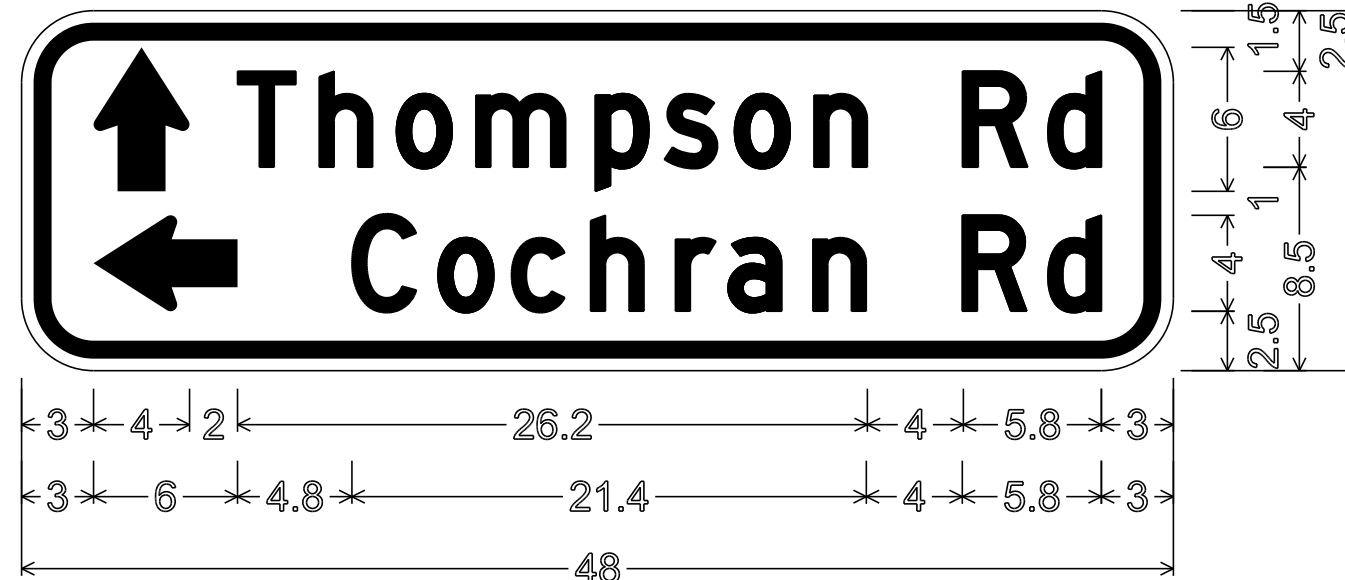
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BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
COLORS: LEGEND - WHITE  
BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



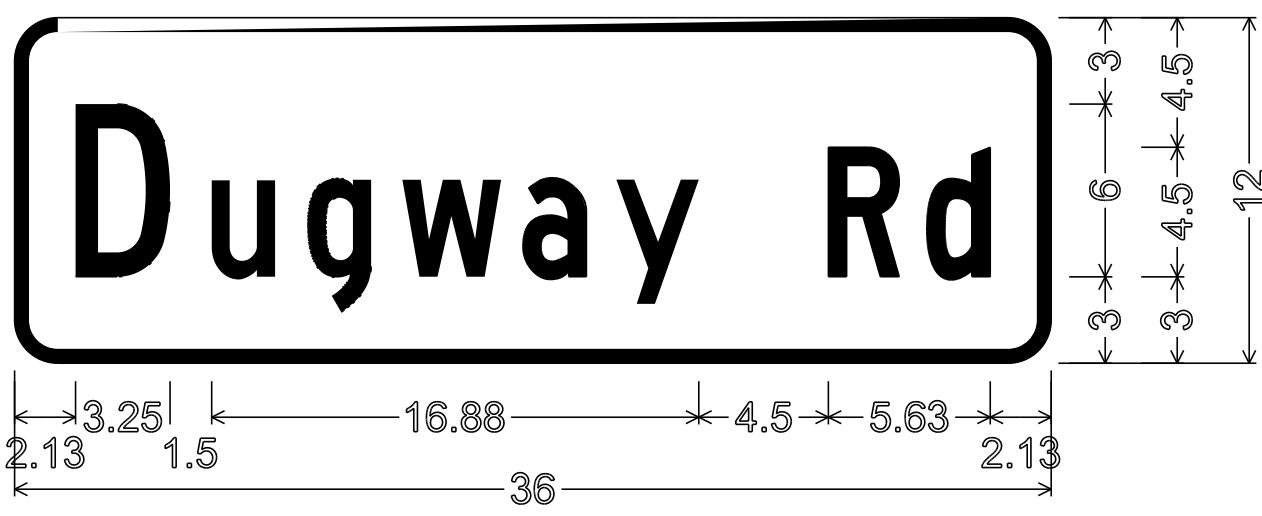
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BACKGROUND - YELLOW  
TEXT STYLE: B

W16-8aP



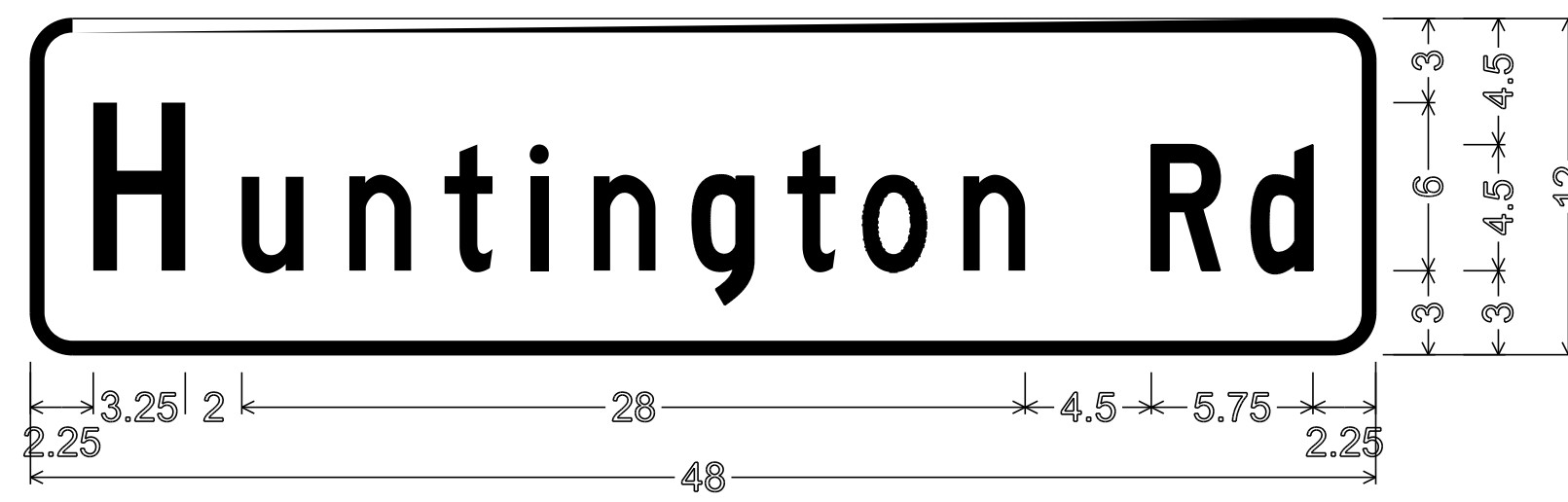
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BACKGROUND - YELLOW  
TEXT STYLE: B

W16-8P



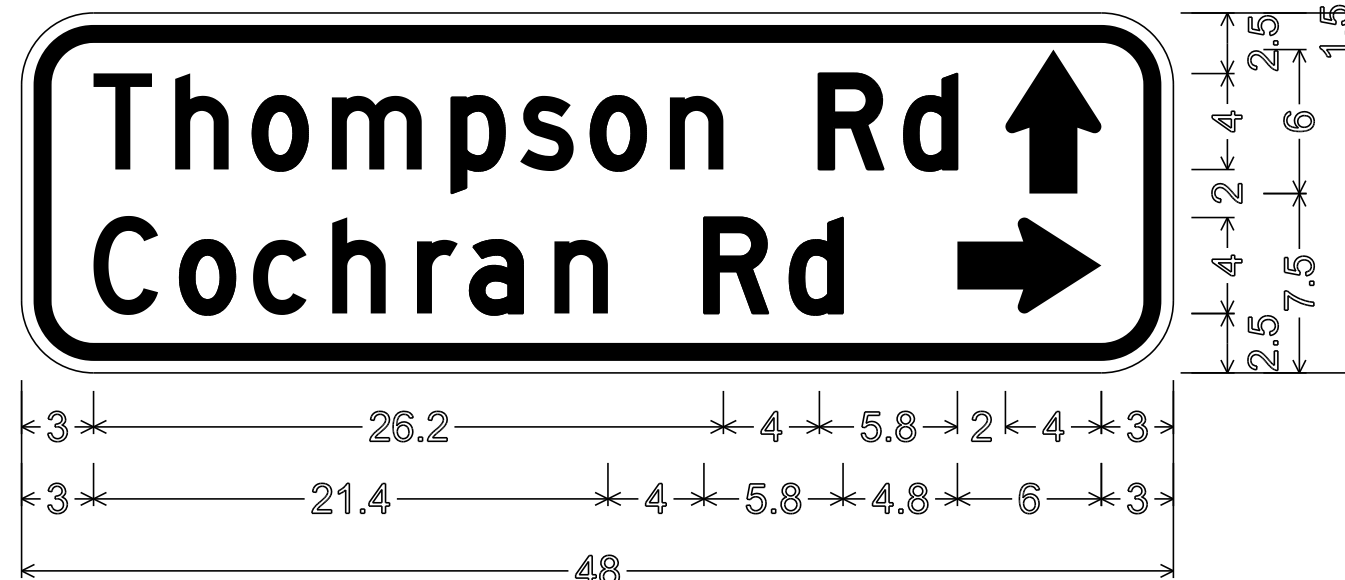
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TEXT STYLE: C

D3-1



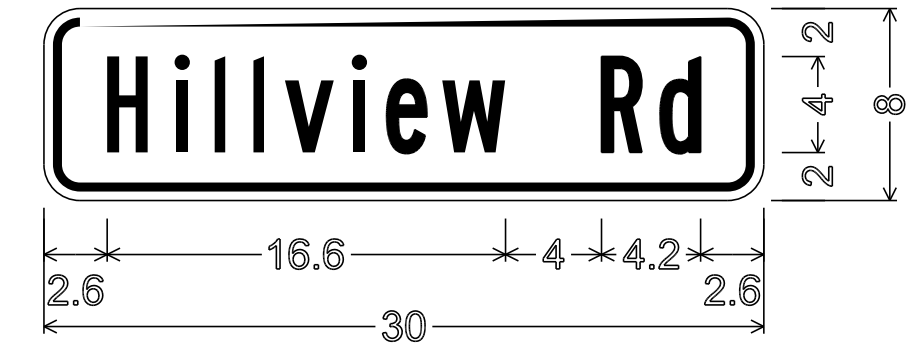
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BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



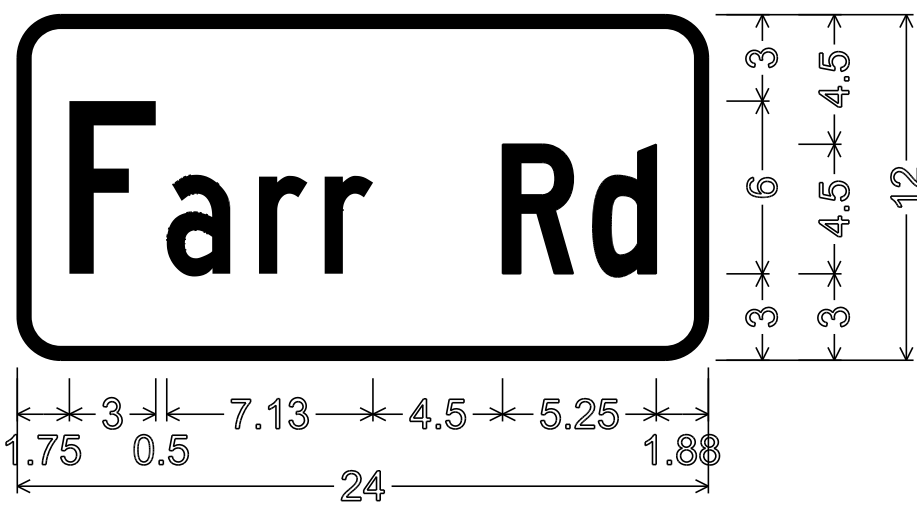
3.0" RADIUS, 0.75" BORDER, 0.50" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - YELLOW  
TEXT STYLE: B

W16-8aP



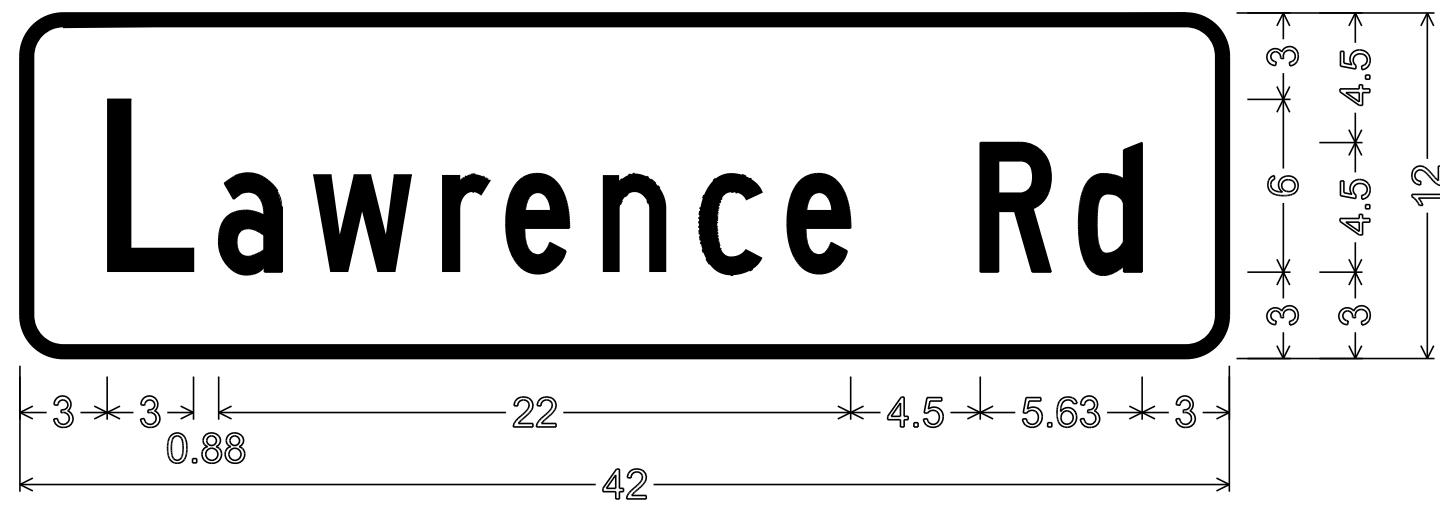
1.5" RADIUS, 0.375" BORDER, 0.375" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - YELLOW  
TEXT STYLE: B

W16-8P



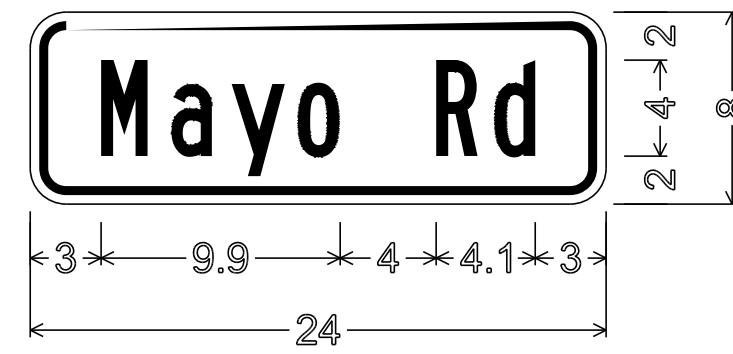
1.50" RADIUS, 0.375" BORDER, 0.375" INDENT  
COLORS: LEGEND - WHITE  
BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
COLORS: LEGEND - WHITE  
BACKGROUND - GREEN  
TEXT STYLE: C

D3-1



1.5" RADIUS, 0.375" BORDER, 0.375" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - YELLOW  
TEXT STYLE: B

W16-8P

**RICHMOND**

ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: I0K018.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
SPECIFIC SIGN DETAILS RICHMOND  
PLOT DATE: 17-SEP-2012 11:31  
DRAWN BY: NLA  
CHECKED BY: JLS  
SHEET 10 OF 51



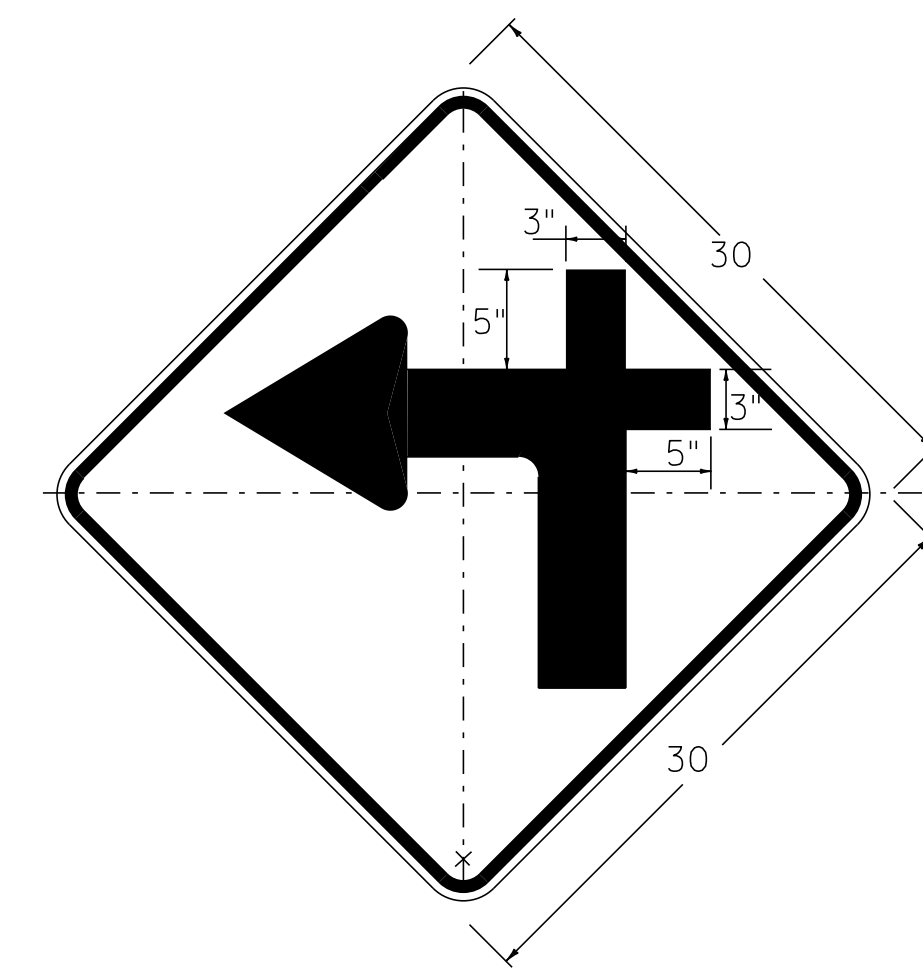
0.375" RADIUS, 0.375" BORDER, NO INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D2-1**



0.375" RADIUS, 0.375" BORDER, NO INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D1-1**

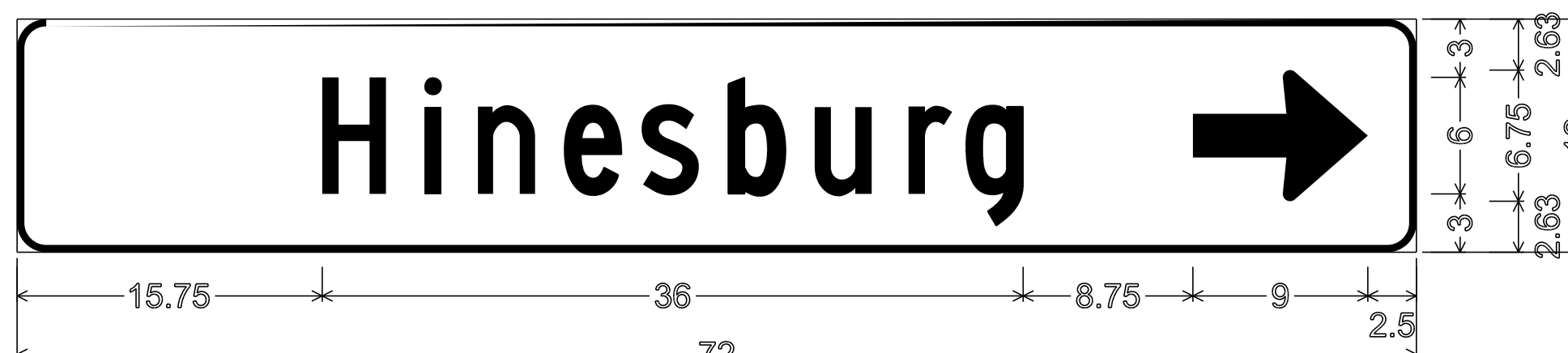


**W1-1Mc L(R)**  
 DIMENSIONS NOT SHOWN  
 FOR THIS DETAIL SHALL CONFORM  
 TO THE LATEST EDITION OF THE 2009 MUTCD  
 FOR SIGN DETAIL W1-1.  
 UNLESS OTHERWISE NOTED FOR THIS DETAIL



0.375" RADIUS, 0.375" BORDER, NO INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

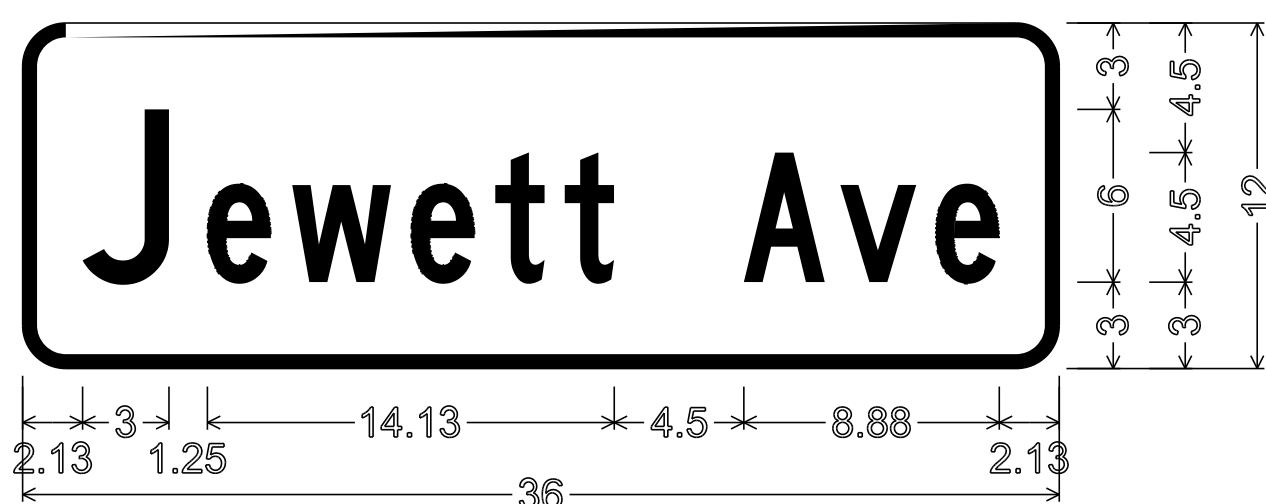
**D2-1**



0.375" RADIUS, 0.375" BORDER, NO INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

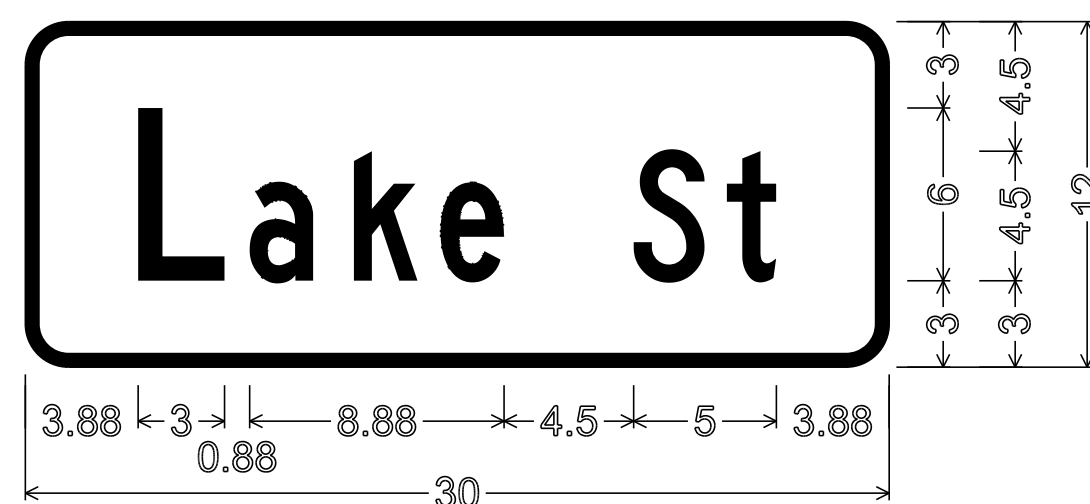
**D1-1**

**RICHMOND**



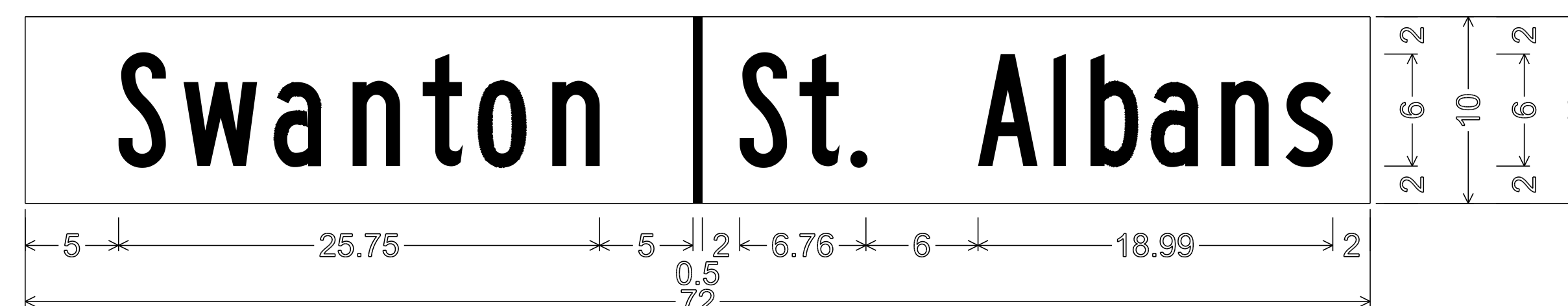
1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**



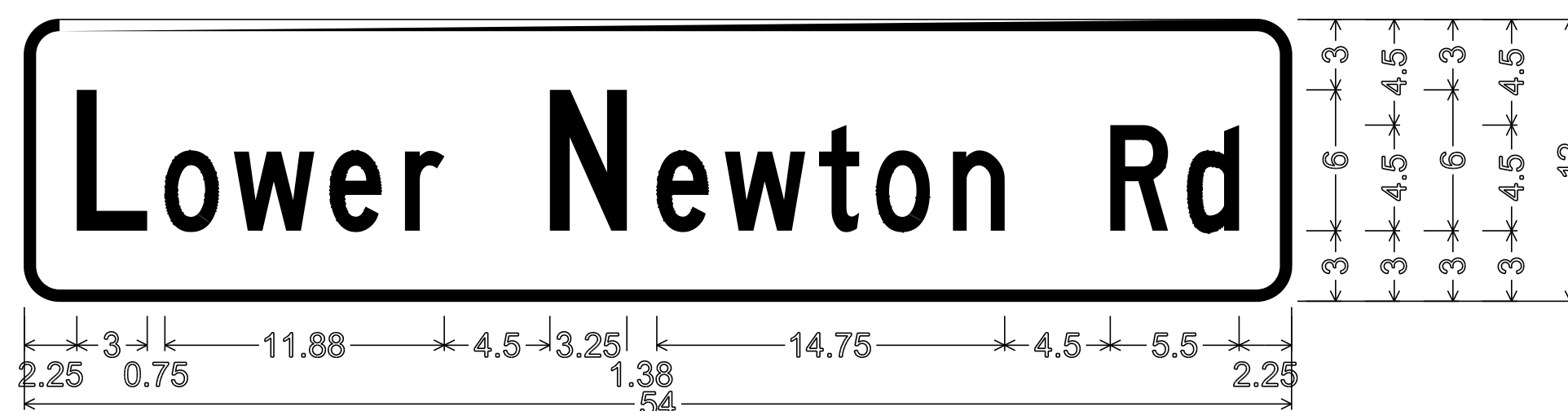
NO BORDER,  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: B

**VD-024**



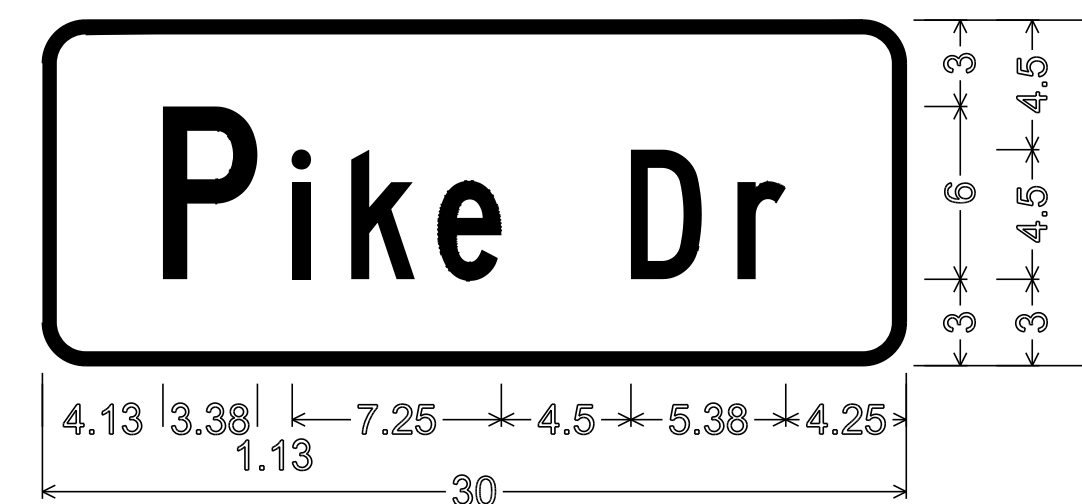
1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**



1.50" RADIUS, 0.50" BORDER, 0.00" INDENT  
 COLORS: LEGEND - WHITE  
 BACKGROUND - GREEN  
 TEXT STYLE: C

**D3-1**

**ST ALBANS**

ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

PROJECT NAME: STATEWIDE NORTHWEST REGION  
 PROJECT NUMBER: STP HRRR(5)

FILE NAME: I0K018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:31  
 PROJECT LEADER: JLS DRAWN BY: NLA  
 DESIGNED BY: NLA CHECKED BY: JLS  
 SPECIFIC SIGN DETAILS RICHMOND/ST ALBANS SHEET 11 OF 51











# TRAFFIC SIGN SUMMARY SHEET 1 - FERRISBURGH

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
EB	MM 0.014, RT	A/B	D3-1	54	12			4.50					X		X	2		X						INSTALL NEW SIGN ON 2-POSTS JUST RIGHT OF THE STOP SIGN		9		
EB	MM 0.014, RT	A	RI-1	30	30			6.25					X		X	1		X						REMOVE SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION	X			
WB	MM 0.018, LT	F	VR-017	24	30			5.00								1		X						INSTALL NEW SIGN AND POST 95 FT WEST OF US ROUTE 7 INTERSECTION WITH LITTLE CHICAGO ROAD		7		
WB	MM 0.035, LT	F	R2-1	24	30			5.00					X		X	1		X						GAVE TO TOWN INSTALL NEW SIGN AND POST 359 FT SOUTH OF POLE* 408/2/1	X			
		F	SI-1	36	36	F-Y-G		9.00								2		X						INSTALL NEW SIGN ON 2-POSTS 359 FT EAST OF AND ACROSS FROM POLE* 24/2/10595	X			
		F	W16-9P	24	12	F-Y-G		2.00																INSTALL BENEATH ADVANCE SCHOOL SYMBOL SIGN AT THE CORRECT SIGN HEIGHT	X			
WB	MM 0.067, LT	H	RI-1	30	30			6.25								1		X						INSTALL NEW SIGN AND POST 190 FT EAST OF AND ACROSS FROM POLE* 24/2/10595	X			
WB	MM 0.082, LT	F	R2-1	24	30			5.00								1		X						INSTALL NEW SIGN AND POST 111 FT EAST OF AND ACROSS FROM POLE* 24/2/10595	X			
NB	MM 0.111, RT	A	W3-1	30	30								X		X									REMOVE SIGN AND POST				
		A	W3-1	36	36			9.00								2		X						INSTALL NEW SIGN ON 2-POSTS 26 FT WEST POLE* 24/2/10595	X			
NB	MM 0.191, RT	A	SI-1	36	36	F-Y-G		9.00								2		X						INSTALL NEW SIGN ON 2-POSTS 10 FT WEST OF POLE* 22/10601/4	X			
		A	W16-9P	24	12	F-Y-G		2.00																INSTALL BENEATH ADVANCE SCHOOL SYMBOL SIGN AT THE CORRECT SIGN HEIGHT	X			
WB	MM 0.198, LT	F	W1-2Mg L	30	30			6.25								1		X						INSTALL NEW SIGN AND POST 50 FT WEST OF POLE* 22/1060 NEAR ENTRANCE TO TOWN GARAGE		9		
		F	W16-8P	24	8			1.33																INSTALL BENEATH MODIFIED LEFT CURVE WARNING SIGN AT THE CORRECT SIGN HEIGHT		9		

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

**SHEET SUBTOTALS**

SF  
65.58  
70.58

EA	EA	EA	EA	EA	EA
			4	4	
			5		
EA	EA	EA	EA	EA	EA
			4	4	
			4		

FT	FT	FT
	210	
FT		
	210	

LB	LB	LB	LB

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
FERRISBURGH TRAFFIC SIGN SUMMARY SHEET 1 SHEET 17 OF 51

PLOT DATE: 17-SEP-2012 11:32  
DRAWN BY: ITS  
CHECKED BY: JLS



# TRAFFIC SIGN SUMMARY SHEET 3 - FERRISBURGH

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
EB	MM 0.734, RT	A	WI-10 L	36	36			9.00							2		X							INSTALL NEW SIGN ON 2-POSTS 30 FT WEST OF POLE# 4762/3/18	X			
		A	WI6-8P	30	8			1.67																INSTALL BENEATH HORIZONTAL ALIGNMENT WARNING SIGN AT THE CORRECT SIGN HEIGHT		9		
EB	MM 0.781, RT	A	R2-5A	24	30							X	X											REMOVE SIGN AND POST				
WB	MM 0.734, RT	F	W2-1	30	30			6.25							2		X							INSTALL NEW SIGN ON 2-POSTS 143 FT WEST OF POLE# 2/95	X			
		F	WI6-8AP	48	15			5.00																INSTALL BENEATH INTERSECTION WARNING SIGN AT THE CORRECT SIGN HEIGHT		9		
EB	MM 0.912, RT	A/B	D3-1	36	12			3.00				X												INSTALL SIGN ABOVE STOP WITH UPDATED DESIGN		9		
		D	RI-1	30	30			6.25				X	X	I			X							REMOVE SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION	X			
WB	MM 0.913, LT	E/F	D3-1	36	12							X	X											REMOVE SIGN AND POST				
WB	MM 0.920, LT	E/F	D3-1	36	12			3.00																INSTALL SIGN ABOVE STOP WITH UPDATED DESIGN		9		
		H	RI-1	30	30			6.25				X	X	I			X							REMOVE SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION	X			
EB	MM 0.981, RT	A	W2-1	30	30			6.25							2		X							INSTALL NEW SIGN ON 2-POSTS 32 FT EAST OF POLE# 103801/2/2	X			
		A	WI6-8AP	48	15			5.00																INSTALL BENEATH INTERSECTION WARNING SIGN AT THE CORRECT SIGN HEIGHT		9		
WB	MM 1.553, LT	F	W2-2 L	30	30			6.25							I		X							INSTALL NEW SIGN AND POST 30 FT EAST OF POLE# 103812/13/13	X			
		F	WI6-8P	30	8			1.67																INSTALL BENEATH SIDE ROAD WARNING SIGN AT THE CORRECT SIGN HEIGHT		9		

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

**SHEET SUBTOTALS**

		EA	EA	EA	EA	EA	EA		FT	FT	FT		LB	LB	LB	LB
					5		4			135						
SF	SF	EA	EA	EA	EA	EA	EA	EA	FT	EA	EA	EA	LB	LB	LB	LB
59.59		5					4		135							

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:32  
PROJECT LEADER: JLS DRAWN BY: ITS  
DESIGNED BY: NLA CHECKED BY: JLS  
FERRISBURGH TRAFFIC SIGN SUMMARY SHEET 3 SHEET 19 OF 51









# TRAFFIC SIGN SUMMARY SHEET 2 - NEW HAVEN

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS <small>SHS = STANDARD HIGHWAY SIGN BOOK</small>	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
SB	MM 0.118, LT	F	W5-3	36	36			9.00					X	X	2		X						INSTALL NEW SIGN ON 2-POSTS 200 FT NORTH OF NEWLY INSTALLED YIELD AHEAD SIGN ASSEMBLY	X				
		F	TOWN SIGN	24	30								X										REMOVE SIGN					
SB	MM 0.156, LT	F	WI-3 R	30	30			6.25							1		X						INSTALL NEW SIGN AND POST 200 FT NORTH OF NEWLY INSTALLED "ONE LANE BRIDGE" ASSEMBLY	X				
		F	WI3-IP	18	18			2.25															INSTALL BENEATH CURVE WARNING SIGN AT THE CORRECT SIGN HEIGHT	X				
NB	MM 0.170, RT TO MM 0.210, RT	A/B		6	8		(8) TYPE II - 6" X 8" WHITE DELINEATORS	2.67							4	X							INSTALLED BACK-TO-BACK AT 70 FT± SPACING BEGINNING 1679 FT SOUTH THE CENTER OF TWITCHELL HILL ROAD INTERSECTION			7		
SB	MM 0.170, LT TO MM 0.210, LT	E/F		6	8		(8) TYPE II - 6" X 8" WHITE DELINEATORS	2.67							4	X							INSTALLED BACK-TO-BACK AT 70 FT± SPACING BEGINNING 1679 FT SOUTH OF THE CENTER OF TWITCHELL HILL RD INTERSECTION			7		
SB	MM 0.283, LT	F	WI-3 R	30	30								X	X									REMOVE SIGN AND POST					
		F	WI3-IP	18	18								X										REMOVE SIGN PLAQUE					
SB	MM 0.283, LT	F	WI-8R	18	24							X	X										REMOVE SIGN AND POST					
SB	MM 0.436, LT	F	W5-3	36	36			9.00							2		X						INSTALL NEW SIGN ON 2-POSTS 275 FT SOUTH OF THE CENTER OF THE TWITCHELL HILL ROAD INTERSECTION	X				
		F	WI6-3AP	30	12			2.50															INSTALL BENEATH ONE LANE BRIDGE SIGN AT THE CORRECT SIGN HEIGHT	X				
SB	MM 0.478, LT	F	R2-1	24	30		RESET 10-21-11	5.00					X	X	1		X						INSTALL NEW SIGN AND POST 75 FT SOUTH OF THE CENTER OF THE TWITCHELL HILL ROAD INTERSECTION	X				
		F	TOWN SIGN	30	36								X										REMOVE SIGN					
SB	MM 0.482, LT	H	RI-1	30	30			6.25					X	X	1		X						REMOVE SIGN AND POST INSTALL NEW SIGN AND POST AT SAME LOCATION	X				
NB	MM 0.513, RT	A	R2-1	24	30			5.00					X	X	1		X						INSTALL NEW SIGN AND POST 1236 FT SOUTH OF POLE# 408/2/1	X				

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

**SHEET SUBTOTALS**

EA	EA	EA	EA	EA	EA	FT	FT	FT	LB	LB	LB	LB
			9		6	64	120					
SF	SF	EA	EA	EA	EA	FT	EA	LB				
50.59		9	-6	-6		184						

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:32  
PROJECT LEADER: JLS DRAWN BY: ITS  
DESIGNED BY: NLA CHECKED BY: JLS  
NEW HAVEN TRAFFIC SIGN SUMMARY SHEET 2 SHEET 24 OF 51



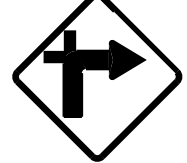













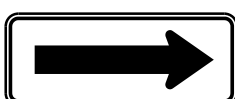








# TRAFFIC SIGN SUMMARY SHEET 1 - RICHMOND

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS  SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION									DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
SB	MM 0.189, LT	F	VWI-IMcR	36	36			9.00								2		X						INSTALL NEW SIGN AND POSTS 175 FT NORTH OF THE COCHRAN RD INTERSECTION			II	
		F	WI6-8cP	48	15			5.00																INSTALL NEW SIGN BELOW THE NEW TURN/INTERSECTION SIGN			IO	
SB	MM 0.203, LT	F	WI-6	48	24								X		X									REMOVE SIGN AND 2-POSTS	X			
		F	DI-1	36	6									X										REMOVE SIGN				
		F	DI-1	36	6									X										REMOVE SIGN				
NB	MM 0.203, RT	C	WI-6	48	24			8.00								2		X						INSTALL NEW SIGN ON 2-POSTS ON THE LEFT HAND SIDE OF BRIDGE ST NEAR THE STOP SIGN, INSTALL IN LINE WITH THE NORTHBOUND DRIVERS' LINE OF SIGHT	X			
NB	MM 0.222, RT	D	RI-1	30	30			6.25					X		X	1		X						REMOVE STOP SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION (COCHRAN RD)	X			
SB	MM 0.222, LT	F	WII-2	30	30					X				X										RETAIN PEDESTRIAN SIGN AND POST				
		F	WI6-7P	24	12					X				X										RETAIN DOWN ARROW				
NB	MM 0.222, RT	A	RI-1	30	30			6.25					X		X	1		X						REMOVE STOP SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION (THOMPSON RD)	X			
		C/D	D3-1	36	12			3.00								1		X						INSTALL NEW COCHRAN ST STREET NAME SIGN AND POST NEXT TO THE NEW STOP SIGN ON THOMPSON ROAD. INSTALL SIGN ABOVE THE NEW THOMPSON RD STREET NAME SIGN			IO	
		A/B	D3-1	42	12			3.50																INSTALL NEW THOMPSON ST STREET NAME SIGN BELOW THE NEW COCHRAN STREET NAME SIGN			IO	
SB	MM 0.222, LT	E/F	D3-1	30	12			2.50					X		X	1		X						INSTALL NEW SIGN AND POST NEXT TO THE PEDESTRIAN SIGN ASSEMBLY, INSTALL SIGN ABOVE THE HUNTINGTON RD STREET NAME SIGN ON THE SAME POST			IO	
		G/H	D3-1	48	12			4.00						X										INSTALL NEW HUNTINGTON RD STREET NAME SIGN BENEATH THE BRIDGE ST STREET NAME SIGN ON THE SAME POST			IO	
NB	MM 0.223, RT	C	WI-6	48	24			8.00								2		X						INSTALL NEW SIGN ON 2-POSTS DIRECTLY ACROSS THE ROAD FROM THE PREVIOUSLY REMOVED LARGE ARROW SIGN ASSEMBLY	X			

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

**SHEET SUBTOTALS**

			EA	EA	EA	EA	EA	EA		FT	FT	FT		LB	LB	LB	LB
			2			7	2	4				150					
SF	SF		EA	EA	EA	EA	EA	EA		FT			EA			LB	
55.50			9	7		6	10			150							

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: I0K018\_wrk.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
RICHMOND TRAFFIC SIGN SUMMARY SHEET 1

PLOT DATE: 17-SEP-2012 11:32  
DRAWN BY: ITS  
CHECKED BY: JLS  
SHEET 30 OF 51



# TRAFFIC SIGN SUMMARY SHEET 3 - RICHMOND

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS  SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
SB	MM 0.612, LT	F	WI-3R	30	30			6.25					X		X	I		X						INSTALL NEW SIGN AND POST 5 FT SOUTH OF AND ACROSS FROM POLE# 1	X			
		F	TOWN SIGN	24	24								X											REMOVE SIGN				
		F	WI3-IP	18	18			2.25																INSTALL NEW SIGN BENEATH REVERSE TURN WARNING SIGN AT THE CORRECT SIGN HEIGHT	X			
NB	MM 0.630, RT	A B	WI-8 R WI-8 L	18 18	24 24			3.00 3.00								I	X							INSTALL NEW CHEVRONS BACK-TO-BACK ON SIGN BRACKET ON A SINGLE POST 246 FT NORTH OF POLE# 11550	X X			
NB	MM 0.650, RT	A B	WI-8 R WI-8 L	18 18	24 24			3.00 3.00								I	X							INSTALL NEW CHEVRONS BACK-TO-BACK ON A SIGN BRACKET ON A SINGLE POST 146 FT NORTH OF POLE# 11550	X X			
NB	MM 0.678, RT	A	WII-2	30	30							X		X										REMOVE SIGN AND POST				
		A	TOWN SIGN	30	15							X												REMOVE SIGN				
SB	MM 0.698, LT	F	WI-2L	30	30							X		X										REMOVE SIGN AND POST				
		F	WI-IL	30	30			6.25								I	X							INSTALL NEW SIGN AND POST 100 FT SOUTH AND OPPOSITE OF POLE# 11550	X			
SB	MM 0.737, LT	E	WI-8 R	18	24							X		X										REMOVE SIGN AND POST				
		E	OM-I	18	18							X		X										REMOVE SIGN AND POST				
SB	MM 0.737, LT	F E	WI-8 L WI-8 R	18 18	24 24	F-Y		3.00 3.00								I	X							INSTALL NEW CHEVRONS BACK-TO-BACK ON A SIGN BRACKET ON A SINGLE POST 206 FT SOUTH OF NEWLY INSTALLED CURVE LEFT WARNING SIGN - SAME LOCATION AS REMOVED SINGLE CHEVRON SIGN ASSEMBLY	X X			
SB	MM 0.758, LT	F E	WI-8 L WI-8 R	18 18	24 24	F-Y		3.00 3.00				X		X		I	X							INSTALL NEW CHEVRONS BACK-TO-BACK ON A SINGLE POST 111FT SOUTH OF PREVIOUSLY INSTALLED CHEVRON ASSEMBLY - SAME LOCATION AS REMOVED ASSEMBLY	X X			
SB	MM 0.758, LT	F E	OM-I OM-I	18 18	18 18							X		X										REMOVE SIGN AND POST				
SB	MM 0.781, LT	F E	WI-8 L WI-8 R	18 18	24 24	F-Y		3.00 3.00				X		X		I	X							INSTALL NEW CHEVRONS BACK-TO-BACK ON A SINGLE POST 121FT SOUTH OF PREVIOUSLY INSTALLED CHEVRON ASSEMBLY - SAME LOCATION AS REMOVED ASSEMBLY	X X			
SB	MM 0.804, LT	F	WI-8 L	18	24							X		X										REMOVE SIGN AND POST				

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

**SHEET SUBTOTALS**

				EA	EA	EA	EA	EA	EA	EA		FT	FT	FT		LB	LB	LB	LB
								14	9				105						
								15		7			105						

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:33  
PROJECT LEADER: JLS DRAWN BY: ITS  
DESIGNED BY: NLA CHECKED BY: JLS  
RICHMOND TRAFFIC SIGN SUMMARY SHEET 3 SHEET 32 OF 51



# TRAFFIC SIGN SUMMARY SHEET 5 - RICHMOND

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
SB	MM 0.971, LT	F	R2-1	24	30			5.00					X		X	1		X						INSTALL NEW SIGN AND POST ABOUT 79 FT SOUTH OF THE CENTER OF THE HINESBURG RD INTERSECTION	X			
SB	MM 0.997, LT	F	WI-2 L	30	30			6.25								1		X						INSTALL NEW SIGN AND POST 50 FT NORTH OF POLE# 56-20	X			
SB	MM 1.021, LT TO MM 1.165, LT	F		6	8		(24) TYPE II - 6" X 8" WHITE DELINEATORS	8.00								12	X							INSTALL 12 DELINEATORS BACK-TO-BACK (24 TOTAL) 70 FT APART GOING SOUTH, INSTALL THE FIRST ONE 36 FT SOUTH OF THE END OF THE FIRST GUARDRAIL OR 84 FT NORTH OF THE OTHER BUSINESS SIGNS (OWL'S HEAD BERRY FARM, BIRDS EYE BUILDING CO)			7	
SB	MM 1.147, LT	F	W2-3R	30	30			6.25								1		X						INSTALL NEW SIGN AND POST 200 FT NORTH OF THE CENTER OF HILLVIEW RD	X			
		F	WI6-8P	30	8			1.67																INSTALL BENEATH MODIFIED SIDE ROAD INTERSECTION WARNING SIGN AT THE CORRECT SIGN HEIGHT			10	
SB	MM 1.190, LT	E/F	D3-1	36	12			3.00					X		X									INSTALL NEW SIGN ABOVE HUNTINGTON RD STREET NAME SIGN ON SAME POST			10	
		G/H	D3-1	48	12			4.00					X											INSTALL NEW SIGN ABOVE STOP SIGN ON THE SAME POST			10	
SB	MM 1.190, LT	H	RI-1	30	30			6.25					X		X	1		X						REMOVE STOP SIGN AND POST AND INSTALL NEW SIGN AND POST AT A LOCATION 10 FT WEST OF THE CURRENT LOCATION (HILLVIEW RD)	X			
SB	MM 1.190, LT +359 FT	H	W3-1	36	36			9.00								2		X						INSTALL NEW SIGN ON 2-POSTS ON HILLVIEW ROAD, ABOUT 359 FT FROM THE INTERSECTION AND 33 FT WEST OF POLE# 119600 2	X			
SB	MM 1.217, LT	F	R2-1	24	30								X		X									REMOVE SIGN AND POST				
SB	MM 1.223, LT	F	R2-1	24	30			5.00								1		X						INSTALL NEW SIGN AND POST 168 FT SOUTH OF THE CENTER OF HILLVIEW RD	X			
NB	MM 1.233, RT	A	W2-3L	30	30			6.25								1		X						INSTALL NEW SIGN AND POST 200 FT SOUTH OF THE CENTER OF HILLVIEW RD	X			
		A	WI6-8P	30	8			1.67																INSTALL NEW SIGN BENEATH THE MODIFIED SIDE ROAD INTERSECTION WARNING SIGN AT THE CORRECT SIGN HEIGHT.			10	
SB	MM 1.486, LT	F	W2-2	30	30								X		X									REMOVE SIGN AND POST				
NB	MM 1.529, RT	A	R2-1	24	30								X		X									REMOVE SIGN AND POST				

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

**SHEET SUBTOTALS**

				EA	EA	EA	EA	EA	EA	EA		FT	FT	FT		LB	LB	LB	LB
							7			6		96	120						
SF	SF			EA	EA	EA		EA	EA	EA		FT			EA				LB
62.34				7				6		20		216							

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:33  
PROJECT LEADER: JLS DRAWN BY: ITS  
DESIGNED BY: NLA CHECKED BY: JLS  
RICHMOND TRAFFIC SIGN SUMMARY SHEET 5 SHEET 34 OF 51



# TRAFFIC SIGN SUMMARY SHEET 7 - RICHMOND

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			FOUNDAION						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
NB	MM 1.931, RT	A	W2-2R	30	30			6.25								1		X						INSTALL NEW SIGN AND POST 238 FT SOUTH OF THE CENTER OF BESAW RD	X			
		A	W16-8P	24	8			1.33																INSTALL NEW SIGN BENEATH SIDE ROAD INTERSECTION WARNING SIGN AT THE CORRECT SIGN HEIGHT		10		
NB	MM 2.033, RT	D	RI-1	30	30			6.25					X	X	1		X							REMOVE STOP SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION (GRANDVIEW DR)	X			
NB	MM 2.041, RT	A/B	D3-1	42	12			3.50					X	X										INSTALL NEW SIGN ABOVE STOP SIGN ON THE SAME POST		10		
NB	MM 2.071, RT	A	W7-1	30	30			6.25					X	X	1		X							INSTALL NEW SIGN AND POST OPPOSITE POLE# 1875	X			
SB	MM 2.186, LT	F	R2-1	24	30			5.00							1		X							INSTALL NEW SIGN AND POST 180 FT SOUTH OF THE CENTER OF GRANDVIEW DR	X			
SB	MM 2.530, LT	F	WI-2	30	30			6.25							1		X							INSTALL NEW SIGN AND POST 25 FT NORTH OF POLE# 56-50/32	X			
SB	MM 2.610, LT TO MM 2.550, LT	F E		6	8		(10) TYPE II - 6" X 8" WHITE DELINEATORS	3.33							5	X								INSTALL 5 DELINEATORS BACK-TO-BACK (10 TOTAL) 70 FT APART GOING NORTH. INSTALL THE FIRST ONE 60 FT NORTH OF POLE# 57-50/34		7		
NB	MM 2.977, RT	A	R2-1	24	30			5.00					X	X	1		X							INSTALL NEW SIGN AND POST NEXT TO BOX# 2683	X			
SB	MM 2.984, LT	F	R2-1	24	30			5.00					X	X	1		X							INSTALL NEW SIGN AND POST AT BOX# 2881	X			
NB	MM 3.193, RT	A	R2-1	24	30			5.00					X	X	1		X							INSTALL NEW SIGN AND POST 770 FT NORTH OF THE CENTER OF HILLVIEW RD	X			
SB	MM 3.277, LT	F	W10-IL	36	36			9.00					X	X	2		X							INSTALL NEW CURVE/INTERSECTION SIGN ON 2-POSTS 315 FT NORTH OF THE CENTER OF HILLVIEW RD	X			
		F	W16-8P	30	8			1.67																INSTALL BENEATH THE CURVE/INTERSECTION WARNING SIGN AT THE CORRECT SIGN HEIGHT		10		
SB	MM 3.304, LT	F E	WI-8 L WI-8 R	18 18	24 24			3.00 3.00							1		X							INSTALL NEW CHEVRONS BACK-TO-BACK ON A SIGN BRACKET ON A SINGLE POST SPACED AT 120 FT APART GOING SOUTH. INSTALL THE FIRST ASSEMBLY 120 FT NORTH OF POLE# 77/755	X X			
SB	MM 3.327, LT	F E	WI-8 L WI-8 R	18 18	24 24			3.00 3.00							1		X							INSTALL NEW CHEVRONS BACK-TO-BACK ON A SIGN BRACKET ON A SINGLE POST ADJACENT TO POLE# 77/755	X X			

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

**SHEET SUBTOTALS**

			EA	EA	EA	EA	EA	EA	EA		FT	FT	FT																		
							7	7			40	180	0																		
			SF	SF			EA	EA	EA		FT																				
			75.83				7	-7	+7		220																				

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)





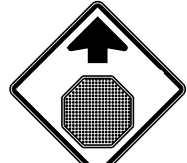
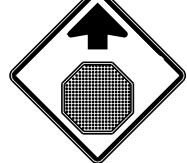








FILE NAME: 10k018\_wrk.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
RICHMOND TRAFFIC SIGN SUMMARY SHEET 7

PLOT DATE: 17-SEP-2012 11:33  
DRAWN BY: ITS  
CHECKED BY: JLS  
SHEET 36 OF 51





# TRAFFIC SIGN SUMMARY SHEET 10 - RICHMOND

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
NB	MM 4.380, RT	A	WI-2 L	36	36								X		X									REMOVE SIGN AND POST				
		A	W10-I L	36	36			9.00							X	2	X							INSTALL NEW SIGN ON 2-POSTS 364 FT SOUTH OF THE CENTER OF MAYO RD	X			
		A	W16-8P	24	8			1.33																INSTALL NEW SIGN BENEATH HORIZONTAL ALIGNMENT WITH SIDE ROAD WARNING SIGN AT THE CORRECT SIGN HEIGHT		10		
SB	MM 4.380, LT	F	TOWN SIGN	30	30								X		X									REMOVE SIGN AND POST				
SB	MM 4.390, LT TO MM 4.440, LT	F E		6	8		(6) TYPE II - 6" X 8" WHITE DELINEATORS	2.00								3	X							INSTALL DELINEATORS BACK-TO-BACK (6 TOTAL) 70 FT APART GOING SOUTH, INSTALL FIRST ONE AT POLE #107		7		
							<b>HINESBURG RD</b>																					
EB	MM 3.782, RT	A	W3-I	30	30								X		X									REMOVE SIGN AND POST				
EB	MM 3.823, RT	A	W3-I	36	36			9.00								2	X							INSTALL NEW SIGN ON 2-POSTS 260 FT EAST OF POLE # 113868 3 4	X			
EB	MM 3.842, RT	A	DI-I	36	6					X	I			X										RETAIN SIGN AND 2-POSTS				
		A	DI-I	36	6					X	I													RETAIN SIGN BENEATH HUNTINGTON (TOWN SIGN) ON THE SAME POSTS				
		A	DI-I	32	6					X	I			X										RETAIN SIGN BENEATH ROUND CHURCH (TOWN) SIGN ON THE SAME POSTS				
EB	MM 3.885, RT	A	RI-I	30	30			6.25					X		X	I	X							REMOVE EXISTING STOP SIGN AND POST AND INSTALL NEW SIGN AND POST AT THE SAME LOCATION (HUNTINGTON RD INTERSECTION)	X			
		A	D3-I	36	6									X										REMOVE SIGN				
		A	D3-I	36	6									X										REMOVE SIGN				
		A	D3-I	42	12			3.50																INSTALL NEW SIGN ABOVE THE NEW HUNTINGTON RD SIGN ON THE SAME POST		10		
		A	D3-I	48	12			4.00								I	X							INSTALL NEW SIGN AND POST 5 FT EAST OF THE STOP SIGN		10		

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

**SHEET SUBTOTALS**

			EA	EA	EA	EA	EA	EA		FT	FT	FT		LB	LB	LB	LB
			3	3	7	2	5		24	90							
SF	SF		EA	EA	EA	EA	EA		FT	EA	LB						
35.08			10 7	7	9			114									

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
RICHMOND TRAFFIC SIGN SUMMARY SHEET 10 SHEET 39 OF 51

PLOT DATE: 17-SEP-2012 11:33  
DRAWN BY: ITS  
CHECKED BY: JLS





# TRAFFIC SIGN SUMMARY SHEET 2 - ST. ALBANS

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
SB	MM 1.595, LT	F	WI3-IP	18	18																		REMOVE SIGN					
NB	MM 1.844, RT	A	WI-5	30	30								X		X									REMOVE SIGN AND POST				
		A	WI3-IP	18	18								X											REMOVE SIGN				
		A	WI-4	30	30			6.25							I		X							INSTALL NEW SIGN AND POST 5 FT SOUTH OF POLE# 16/NET/6				
NB	MM 1.886, RT TO MM 1.9525, RT	A/B		6	8		(12) TYPE II- 6" X 8" WHITE DELINEATORS	4.00							6 @ 7.5 EA.	X								INSTALL DELINEATORS BACK-TO-BACK 70 FT APART. INSTALL FIRST DELINEATOR 75 FT NORTH OF AND ACROSS FROM POLE# 41/1/4415		7		
NB	MM 1.898, RT	A	VN-054	30	30			6.25							I		X							INSTALL NEW SIGN AND POST 120 FT SOUTH OF AND ACROSS FROM POLE# 4/3/13		8		
NB	MM 1.931, RT	A	VR-072 VR-072	24 24	30 30					X				X										RETAIN BACK-TO-BACK ENCORE SIGNS AND POST				
SB	MM 1.985, LT	F	TOWN SIGN	18	24																			REMOVE SIGN AND POST				
SB	MM 2.029, LT	F	WI-5	30	30								X		X									REMOVE SIGN AND POST				
		F	WI3-IP	18	18								X											REMOVE SIGN				
		F	WI-4	30	30			6.25							I		X							INSTALL NEW SIGN AND POST 280 FT NORTH OF AND ACROSS FROM POLE# 12	X			
NB	MM 2.394, RT	A	W3-1	36	36			9.00					X		X	2	X							INSTALL NEW SIGN ON 2-POSTS 137 FT SOUTH OF POLE# 413/2	X			
SB	MM 2.425, LT	F	VR-017	24	30			5.00					X		X	1	X							INSTALL NEW SIGN AND POST 26 FT NORTH OF AND ACROSS FROM POLE# 413/2	X			
		F	R2-1	24	30			5.00																INSTALL NEW SIGN BENEATH THE LEGAL LOAD LIMIT SIGN ON THE SAME POST	X			
SB	MM 2.455, LT	F	VR-017	24	30								X		X									REMOVE SIGN AND POST				
NB	MM 2.459, RT	A	RI-1	30	30					X				X										RETAIN EXISTING SIGN AND POST	X			

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**SHEET SUBTOTALS**

SF  
35.50  
41.75

EA EA EA EA EA EA  
3 3 9 2 6  
8

FT FT FT  
48 90

LB LB LB LB

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PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:33  
PROJECT LEADER: JLS DRAWN BY: ITS  
DESIGNED BY: NLA CHECKED BY: JLS  
ST. ALBANS TRAFFIC SIGN SUMMARY SHEET 2 SHEET 42 OF 51

# TRAFFIC SIGN SUMMARY SHEET 3 - ST. ALBANS

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS <small>SHS = STANDARD HIGHWAY SIGN BOOK</small>	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
SB	MM 2.462, LT	F	D3-I	36	6									X	X									REMOVE SIGN AND POST				
SB		G	D3-I	30	6									X	X									REMOVE SIGN				
NB	MM 2.475, RT	C	D3-I	36	12			3.00						X	X									INSTALL NEW SIGN ABOVE LOWER KELLOGG RD STREET NAME SIGN ON SAME POSTS		II		
NB		A	D3-I	54	12			4.50								2	X							INSTALL NEW SIGN ON 2-POSTS 5 FT. TO THE RIGHT OF RETAINED STOP SIGN WITHOUT OBSTRUCTING STOP SIGN'S VISIBILITY		II		
NB	MM 2.476, RT	A	VR-017	24	30									X	X									REMOVE SIGN AND POST				
SB	MM 2.476, LT	F	RI-I	30	30					X				X										RETAIN STOP SIGN AND POST				
NB	MM 2.487, RT	A	TOWN SIGN	18	24									X										REMOVE SIGN				
NB	MM 2.487, RT	A	R2-I	24	30			5.00						X	X	1	X							INSTALL NEW SIGN AND POST 275 FT SOUTH OF AND ACROSS FROM POLE# 412/2	X			
NB		A	VR-017	24	30			5.00																INSTALL NEW SIGN ABOVE THE 30 MPH SPEED LIMIT SIGN ON SAME POST	X			
SB	MM 2.542, LT	F	W3-I	36	36			9.00						X	X	2	X							INSTALL NEW SIGN ON 2-POSTS 16 FT NORTH OF AND ACROSS FROM POLE# 412/2	X			
NB	MM 2.673, RT	A	WII-4	30	30									X	X									REMOVE SIGN AND POST				
SB	MM 2.740, LT	F	WII-4	30	30									X	X									REMOVE SIGN AND POST				
SB	MM 2.878, LT	F	R2-I	24	30			5.00						X	X	1	X							INSTALL NEW SIGN AND POST 148 FT SOUTH OF THE CENTER OF JEWETT AVENUE	X			
SB	MM 2.906, LT	G	WI-7	48	24					X				X	X									RETAIN SIGN AND 2-POSTS				
NB	MM 2.912, RT	D	RI-I	30	30			6.25						X	X	1	X							REMOVE SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION (JEWETT AVENUE)	X			
NB		A	D3-I	36	12			3.00																INSTALL NEW SIGN ABOVE STOP SIGN ON THE SAME POST		II		

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









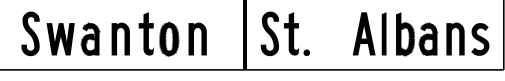
**SHEET SUBTOTALS**

				EA	EA	EA	EA	EA	EA		FT	FT	FT		LB	LB	LB	LB
				2			10	3	10				105					
				EA	EA	EA	EA	EA	EA		FT	EA	EA	EA	EA	EA	EA	EA
				40.75	SF		13	10	13	7	105	EA	EA	EA	EA	EA	EA	EA

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn PLOT DATE: 17-SEP-2012 11:34  
PROJECT LEADER: JLS DRAWN BY: ITS  
DESIGNED BY: NLA CHECKED BY: JLS  
ST. ALBANS TRAFFIC SIGN SUMMARY SHEET 3 SHEET 43 OF 51

# TRAFFIC SIGN SUMMARY SHEET 4 - ST. ALBANS

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS <small>SHS = STANDARD HIGHWAY SIGN BOOK</small>	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
NB	MM 2.914, RT	A	D3-I	30	6								X	X										REMOVE SIGN AND POST				
NB	MM 2.945, RT	A	R2-I	24	30			5.00					X	X	I		X							INSTALL NEW SIGN AND POST 205 FT NORTH OF THE CENTER OF JEWETT AVENUE	X			
NB	MM 3.012, RT	D	RI-I	30	30			6.25					X	X	I		X							REMOVE SIGN AND POST AND INSTALL NEW SIGN AND POST AT SAME LOCATION (PIKE DR)	X			
NB		A	D3-I	30	12			2.50																INSTALL NEW SIGN ABOVE STOP SIGN ON THE SAME POST		II		
NB	MM 3.014, RT	A	D3-I	24	6								X	X										REMOVE SIGN AND POST				
SB	MM 3.212, LT	F	R2-I	24	30								X	X										REMOVE SIGN AND POST				
SB	MM 3.212, LT	F	TOWN SIGN	18	24								X											REMOVE SIGN				
SB	MM 3.223, LT	F	R2-I	24	30		 NEW AGAIN 10-21-11	5.00 5.00							I		X							INSTALL NEW SIGN AND POST 1156 FT NORTH OF THE CENTER OF PIKE DR	X			
NB	MM 3.228, RT	C	VD-024	72	10			5.00							2		X							INSTALL NEW SIGN ON 2-POSTS AT THE TOWN LINE WHERE THE PAVEMENT CHANGES COLOR 1165 FT NORTH FROM THE CENTER OF PIKE DR		II		

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

**SHEET SUBTOTALS**

SF  
~~23.75~~  
28.75

SF

EA  
6

EA  
5

EA  
5

FT  
75

EA

LB

PROJECT NAME: STATEWIDE NORTHWEST REGION  
PROJECT NUMBER: STP HRRR(5)

FILE NAME: 10k018\_wrk.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
ST. ALBANS TRAFFIC SIGN SUMMARY SHEET 4 SHEET 44 OF 51

PLOT DATE: 17-SEP-2012 11:34  
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CHECKED BY: JLS



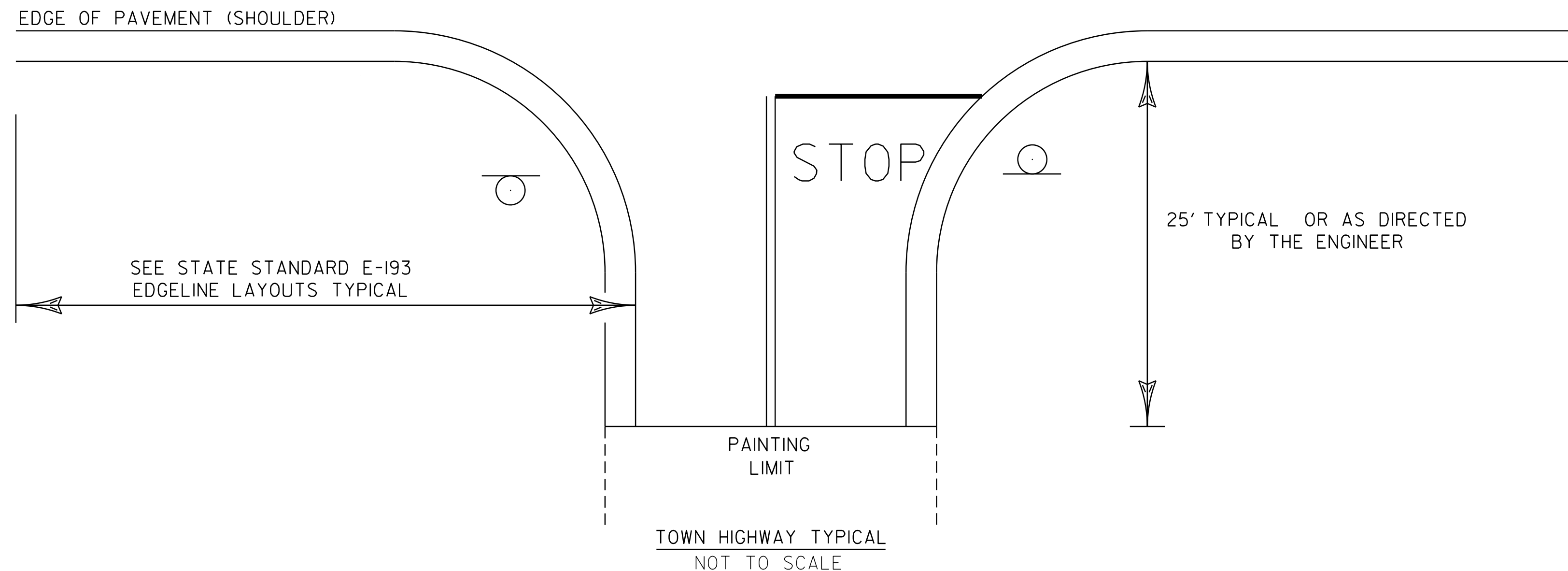




## TOWNSTATE HIGHWAY INVENTORY FOR PAVING MARKINGS

• NOTE ALL LOCATIONS ARE MEASURED FROM THE CENTER OF THE INTERSECTING ROADWAYS FOR THAT INTERSECTION AND ARE APPROXIMATE. FIELD VERIFY BEFORE INSTALLING OR AS DIRECTED BY THE ENGINEER.

TOWN/STATE HIGHWAY NAME	LOCATION MM	EXISTING PAVED/ GRAVEL	MAINLINE CENTERLINE BREAK	MAINLINE EDGE LINE BREAK	4" YELLOW CENTERLINE	EDGE LINE	8" WHITE LINE	STOP BAR	STOP SIGN	STOP LETTERS	YIELD SIGN	YIELD SYMBOLS	YIELD AHEAD LETTERS	STOP AHEAD LETTERS	STOP AHEAD SIGN	MAINLINE CROSSWALK	TH CROSSWALK	GRINDING	REMARKS
ENOSBURG																			
TYLER BRANCH RD	-	PAVED	YES	YES	MM 0.099 TO 0.105 CL	YES SEE E-193	NO	MM 0.105 RT	YES	MM 0.101 RT	NO	NO	NO	MM 0.003 RT	YES	NO	NO	NO	
					MM 0.111 TO 0.117 CL	YES SEE E-193	NO	MM 0.111 LT	YES	MM 0.115 LT	NO	NO	NO	MM 0.207 RT	YES	NO	NO	NO	
BOSTON POST ROAD																			
BOSTON POST ROAD	-	PAVED	YES	YES	MM 0.262 TO 0.267 CL	SEE ABOVE	NO	NO	NO	NO	NO	MM 0.200 RT	NO	NO	NO	NO	NO	NO	
NEW HAVEN																			
PEARSON ROAD	-	PAVED	NO	NO	MM 0.035 TO 0.080 CL	MM 0.041 TO 0.072 RT	NO	NO	NO	NO	YES	MM 0.035 LT	MM 0.080 LT	NO	NO	NO	NO	NO	EDGE LINE BY PULL-OFF TO BE DOTTED
TWITCHELL ROAD	-	PAVED	NO	NO	STA 0+16 TO 0+041 CL	NO	NO	STA 0+16 RT	YES	MM 0+26 RT	NO	NO	NO	STA 3+62 RT	YES	NO	NO	NO	
CAMPGROUND ROAD	-	PAVED	NO	NO	STA 0+16 TO 1+16 CL	NO	NO	NO	NO	NO	YES	STA 0+16 LT	STA 4+40 LT	NO	NO	NO	NO	NO	
RICHMOND																			
HINESBURG RD	-	PAVED	NO	NO	MM 3.872 TO 3.890 CL	MM 3.876 TO 3.890 + 108 FT LT	MM 3.876 TO 3.890 + 108 FT LT HATCHED AREA DIAGONALS	MM 3.890 RT	YES	MM 3.888 RT	NO	NO	NO	NO	YES	NO	NO	SEE REMARKS	GRIND EXISTING CENTERLINE PAVEMENT MARKINGS FROM MM 3.876 TO 3.890
						MM 3.872 TO 3.890 RT													
ST ALBANS																			
KELLOGG RD	-	PAVED	NO	NO	MM 0.003 TO 0.008 CL	YES SEE E-193	NO	MM 0.003 LT	YES	MM 0.004 LT	NO	NO	NO	MM 0.087 LT	YES	NO	NO	NO	
KELLOGG RD	-	PAVED	NO	NO	MM 1.872 TO 1.966 CL	MM 1.872 TO 1.966 RT	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	START CL AT POLE#4/1/1/4415 NB
						MM 1.872 TO 1.966 LT													START EDGE LINE AT POLE#4/1/1/4415 NB
KELLOGG RD	-	PAVED	YES	YES	MM 2.456 TO 2.461 CL	YES SEE E-193	NO	MM 2.461 RT	YES	MM 2.460 RT	NO	NO	NO	MM 2.394 LT	YES	NO	NO	NO	
KELLOGG RD	-	PAVED	YES	YES	MM 2.475 TO 2.480 CL	YES SEE E-193	NO	MM 2.475 LT	YES	MM 2.476 LT	NO	NO	NO	MM 2.452 LT	YES	NO	NO	NO	
JEWETT AVE	-	PAVED	NO	NO	STA 0+16 TO 0+41 CL	NO	NO	STA 0+16 LT	YES	STA 0+22 LT	NO	NO	NO	NO	NO	NO	NO	NO	
PIKE DR	2.910 RT	PAVED	NO	NO	STA 0+16 TO 0+41 CL	NO	NO	STA 0+16 LT	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	



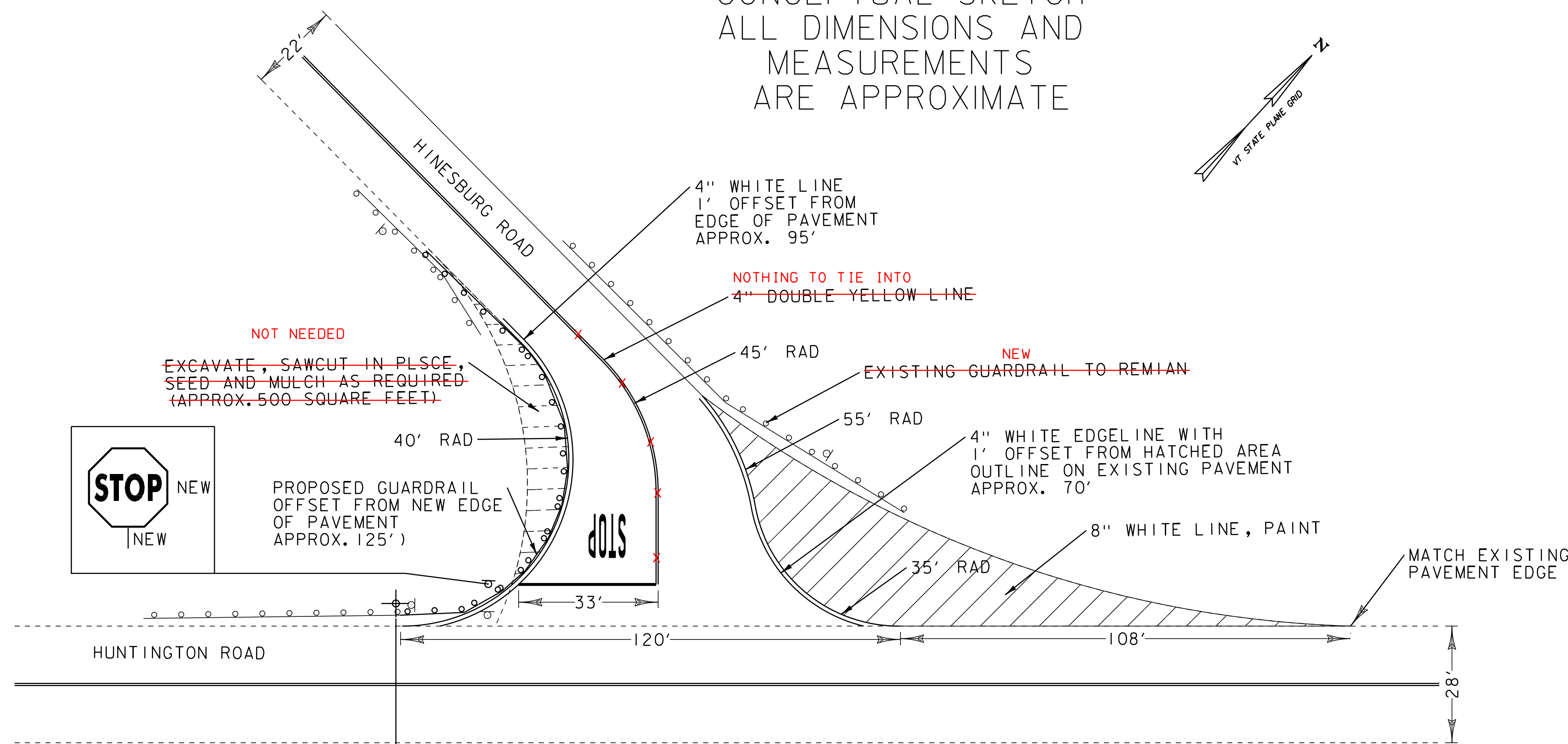
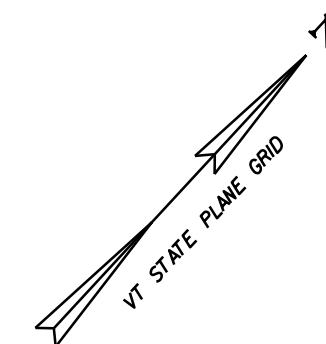
**NOTES:**

- 1.) SEE STD E-121 FOR THE PLACEMENT OF STOP AND LEGAL LOAD LIMIT SIGNS.
- 2.) SEE STD E-193 FOR THE PLACEMENT OF CENTERLINE, EDGE LINE, STOP BARS, AND STOP LETTERS.

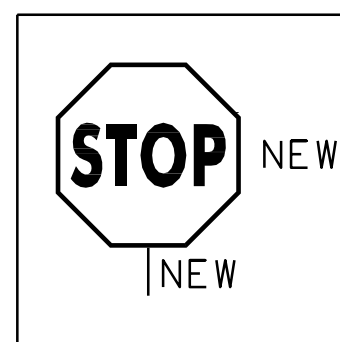
<b>TOWN HIGHWAY PAVEMENT MARKINGS</b>	PROJECT NAME: STATEWIDE NORTHWEST REGION	PLOT DATE: 17-SEP-2012 11:34
	PROJECT NUMBER: STP HRRR(5)	DRAWN BY: ITS
	FILE NAME: 10k018_wrk.dgn	CHECKED BY: JLS
	DESIGNED BY: NLA	TOWN HIGHWAY PAVEMENT MARKINGS SHEET SHEET 48 OF 51

BEGIN STATION	END STATION	POS.	203.28 EXCAVATION OF SURFACES AND PAVEMENTS	203.30 EARTH BORROW	525.10 REMOVAL OF EXISTING RAILING	525.41 BRIDGE RAILING, GALV HD STEEL BEAM/FASCIA MOUNTED	525.60 BRIDGE RAILING REPAIR, TYPE III	621.20 STEEL BEAM GUARDRAIL GALVANIZED	621.206 STEEL BEAM GUARDRAIL GALVANIZED NESTED	621.215 HD STEEL BEAM GUARDRAIL GALV/W 8' POST	621.60 ANCHOR FOR STEEL BEAM RAIL	621.80 REMOVE AND DISPOSE OF GUARDRAIL	621.95 REMOVE AND RESET TEMPORARY TRAFFIC BARRIER	653.20 TEMPORARY EROSION MATTING	676.10 TYPE I DELINEATOR WITH STEEL POST	676.12 REMOVAL OF EXISTING DELINEATOR	TERMINAL END SECTIONS	REMARKS
			CY	CY	LF	LF	LF	LF	LF	LF	EACH	LF	LF	SY	EACH	EACH		
RICHMOND			SEE BOOKS FOR LOCATION					439.5			1		75				1	
HUNTINGTON RD							39.5			1		75					1	
<del>MM 0.720</del>	<del>MM 0.731</del>	RT		25.0-10			14.5			1	2.0		25.0-0				1	INSTALL G1-D APPROACH SECTION. TIE INTO EXISTING GUARDRAIL.
				10			12.5										1	
<del>MM 1.889</del>	<del>MM 1.940</del>	LT		25.0-10			39.5	266.5		1	2.0		50	25.0-0			1	EXTEND EXISTING GUARDRAIL SOUTH OF BESAW RD. (STATE STANDARD G1-D)
				10			102			1								
<del>MM 3.870</del>	<del>MM 3.890+26 FT</del>	RT	10.0-0	50.0-10			125.0				14.5		56.5-0				1	INSTALL 125 FT OF GUARDRAIL. TIE INTO EXISTING GUARDRAIL FROM HINESBURG RD TO HUNTINGTON RD TO CLOSE RADIUS. SEE LOCATION DETAILS THIS SHEET AND STATE STANDARD G1-D. NOTE THAT THE 26 FT OF GUARDRAIL EXTENDS AROUND RADIUS ALONG HUNTINGTON ROAD.
ROUNDING																		
TOTAL				100.0 60.0			406.0 849.5			2-6	10.5	200	106.5-0					

CONCEPTUAL SKETCH  
ALL DIMENSIONS AND MEASUREMENTS ARE APPROXIMATE

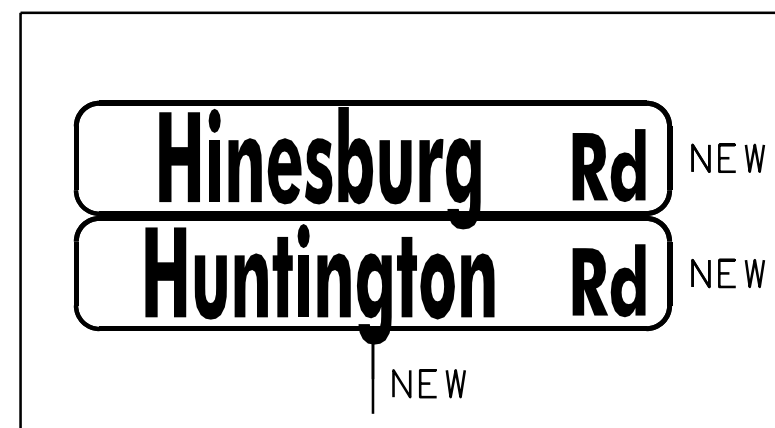


NOT NEEDED  
EXCAVATE, SAWCUT IN PLACE, SEED AND MULCH AS REQUIRED (APPROX. 500 SQUARE FEET)



PROPOSED GUARDRAIL OFFSET FROM NEW EDGE OF PAVEMENT APPROX. 125'

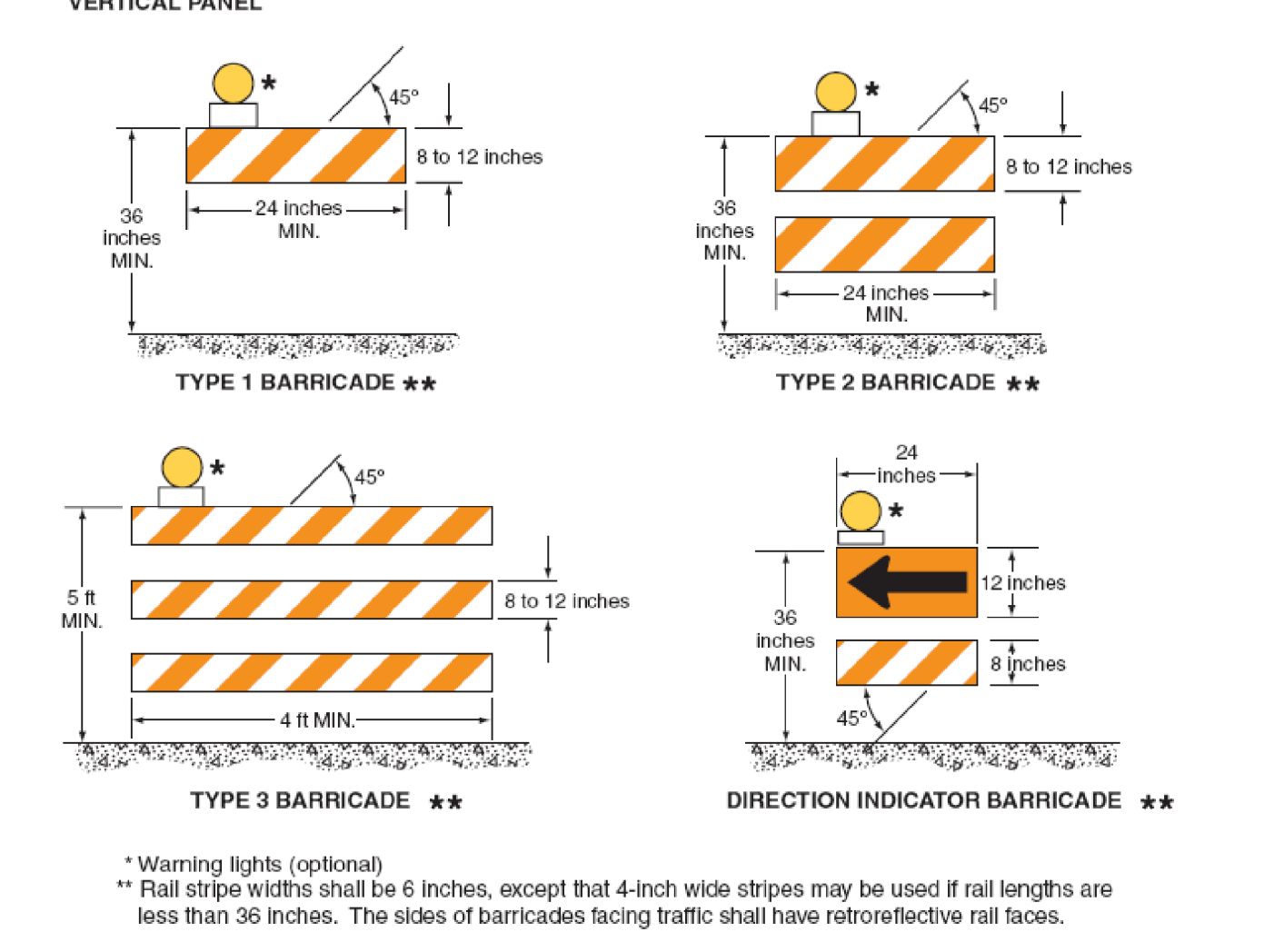
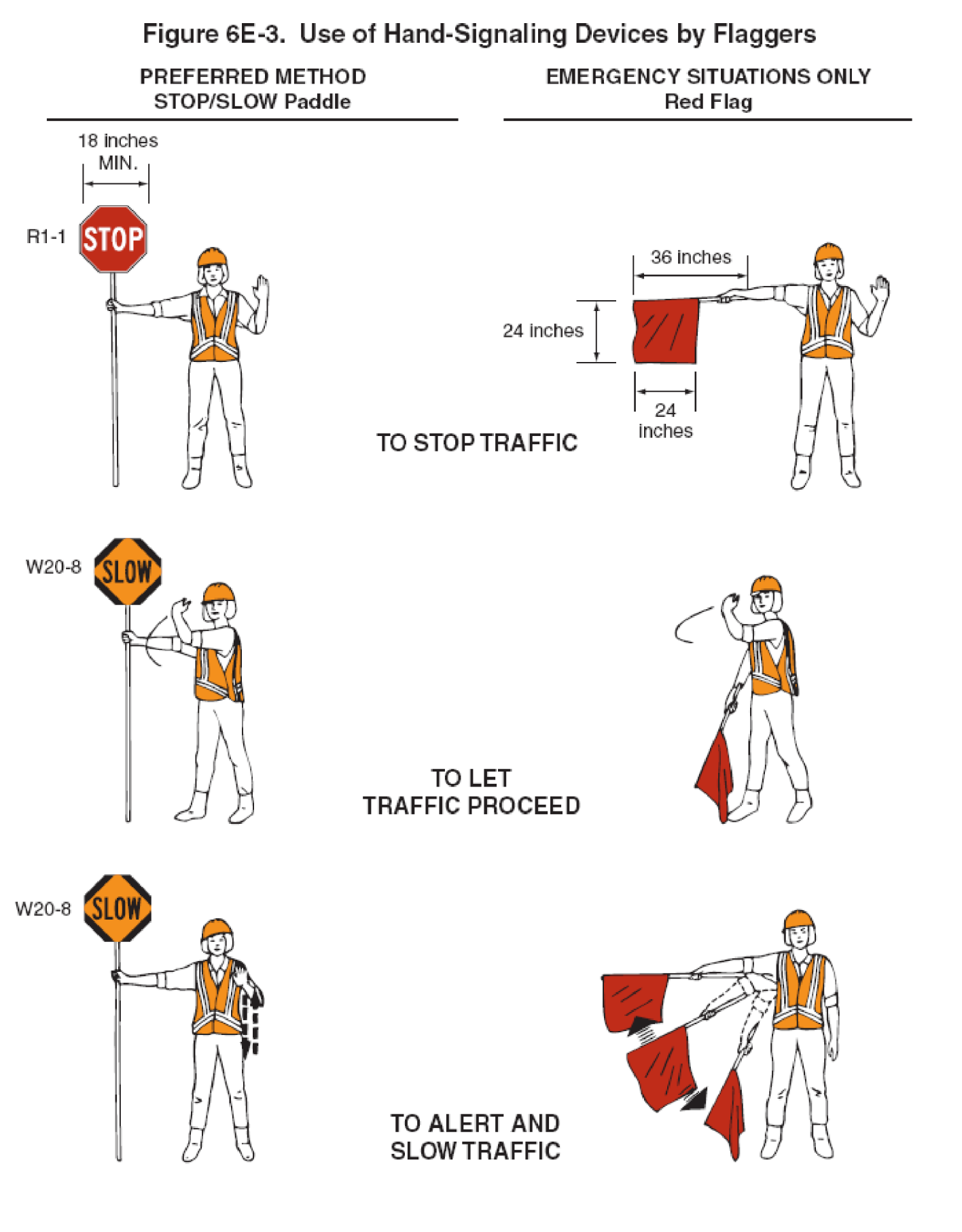
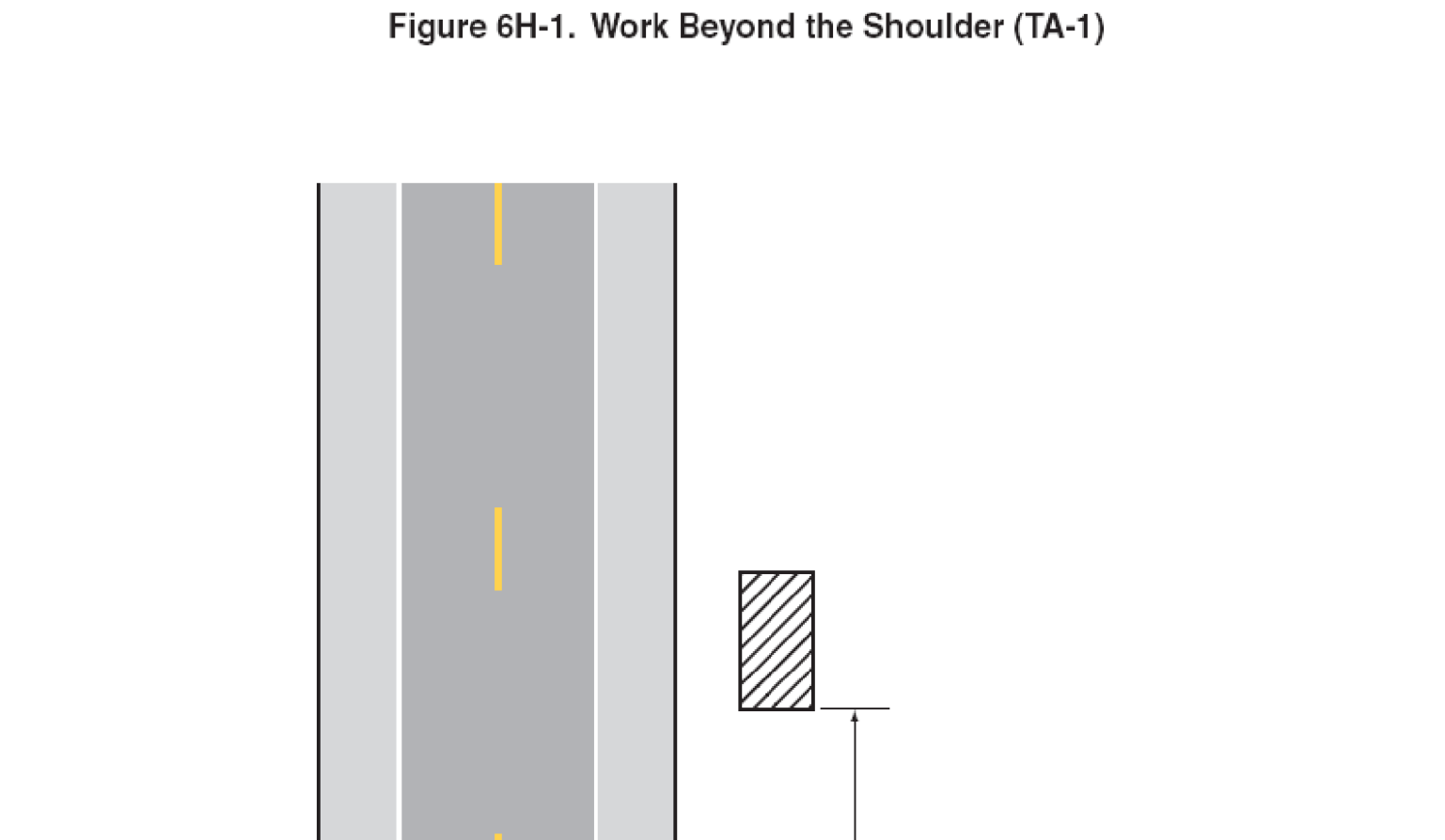
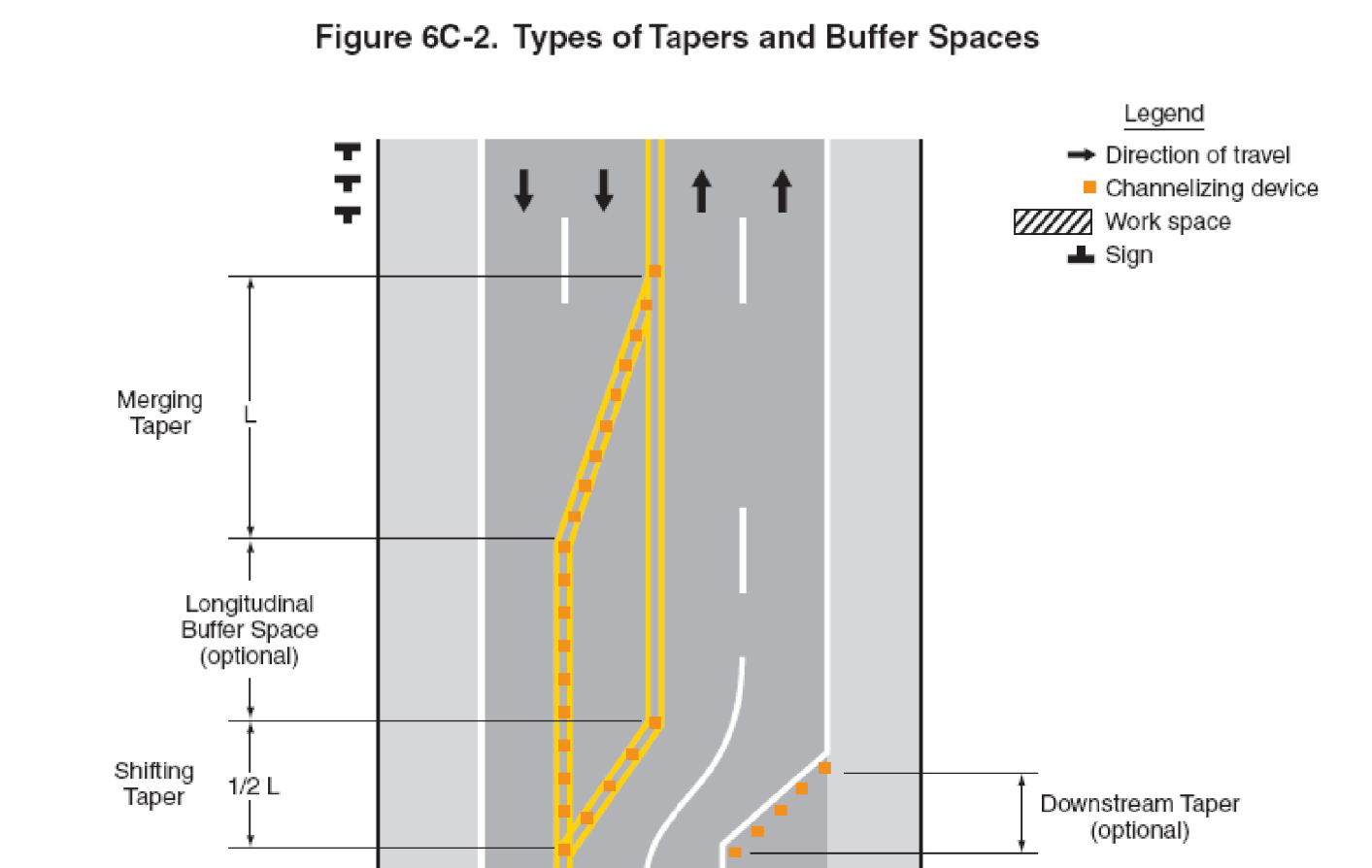
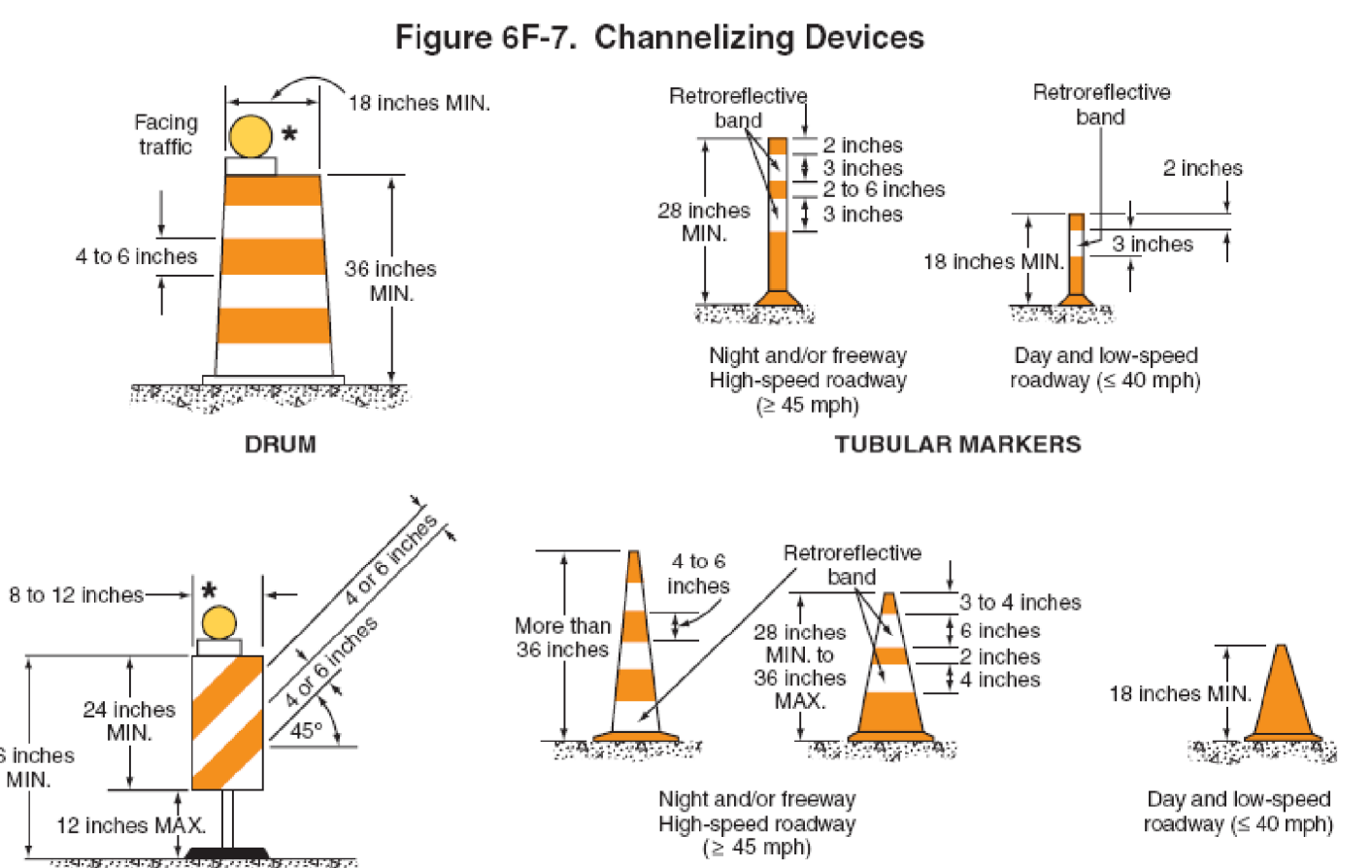
LOCATION DETAIL FOR  
MM 3.870 TO MM 3.890 + 26 FT RT  
NOT TO SCALE



<b>ITEM DETAIL SUMMARY SHEET</b>	PROJECT NAME: STATEWIDE NORTHWEST REGION	PLOT DATE: 17-SEP-2012 11:34
	PROJECT NUMBER: STP HRRR(5)	DRAWN BY: ITS
	FILE NAME: I0K018_wrk.dgn	CHECKED BY: JLS
	DESIGNED BY: NLA	SHEET 49 OF 51
ITEM DETAIL SUMMARY SHEET		

**Table 6H-2. Meaning of Symbols on Typical Application Diagrams**

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or support trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work vehicle
	Pavement markings that should be removed for a long-term project		



**Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams**

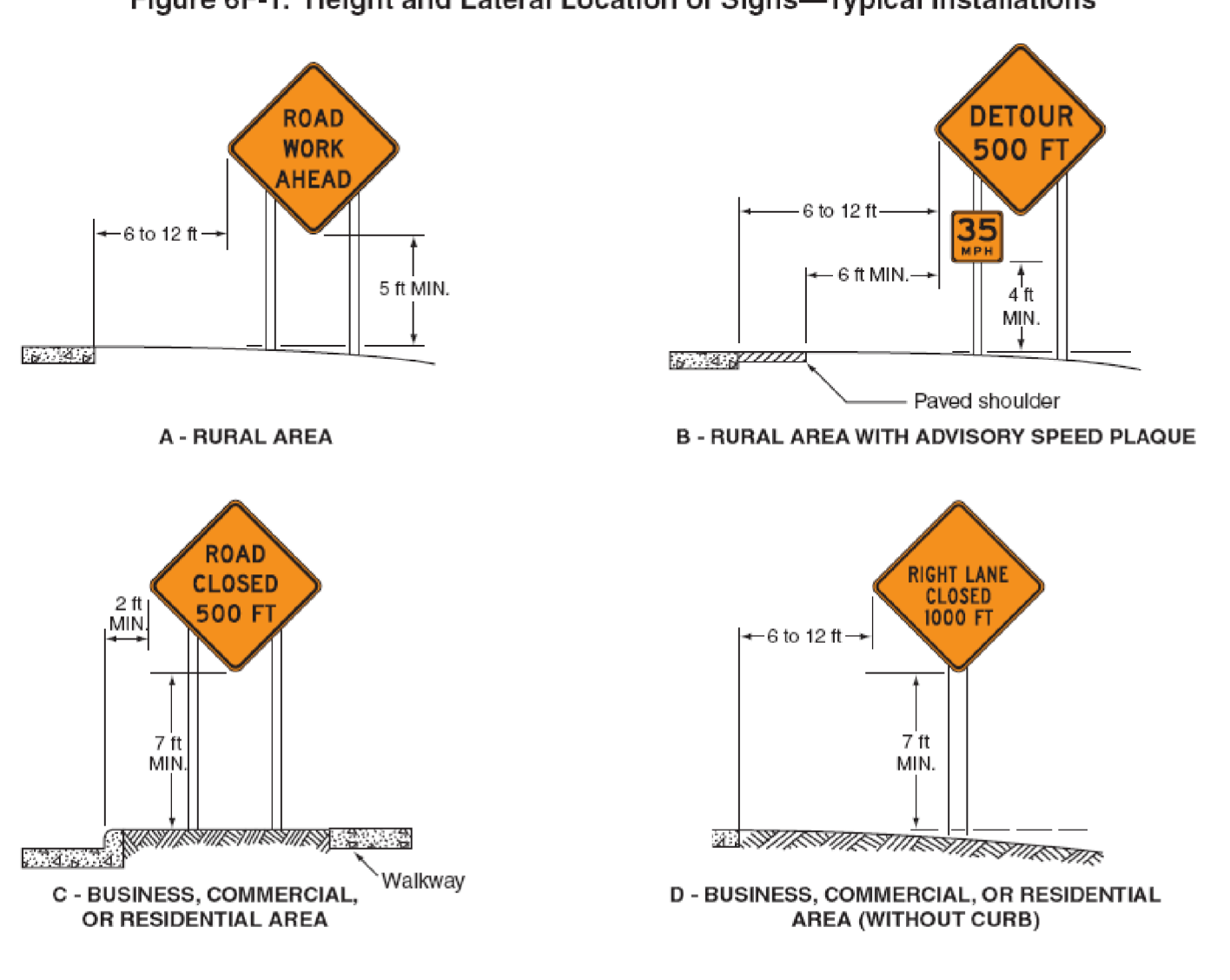
Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

\* Speed category to be determined by highway agency  
 \*\* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

**Table 6C-2. Stopping Sight Distance as a Function of Speed**

Speed*	Distance
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet
70 mph	730 feet
75 mph	820 feet

\* Posted speed, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed



**Table 6C-3. Taper Length Criteria for Temporary Traffic Control Zones**

Type of Taper	Taper Length
Merging Taper	at least L
Shifting Taper	at least 0.5 L
Shoulder Taper	at least 0.33 L
One-Lane, Two-Way Traffic Taper	50 feet minimum, 100 feet maximum
Downstream Taper	50 feet minimum, 100 feet maximum

Note: Use Table 6C-4 to calculate L

**Table 6C-4. Formulas for Determining Taper Length**

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where:  
 L = taper length in feet  
 W = width of offset in feet  
 S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

**Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams**

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

\* Speed category to be determined by highway agency  
 \*\* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

**TEMPORARY TRAFFIC CONTROL NOTES**

- ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THESE PROJECT PLANS, APPLICABLE VTRANS E-SERIES STANDARD DRAWINGS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2009, AND ITS LATEST REVISIONS, OR AS DIRECTED BY THE RESIDENT ENGINEER. IF THE CONTRACTOR DOES NOT WISH TO FOLLOW THE TEMPORARY TRAFFIC CONTROL PROVIDED, HE/SHE MAY SUBMIT AN ALTERNATE PROPOSAL AS STATED IN SECTION 64L02 GENERAL CONSTRUCTION REQUIREMENTS OF THE 2006 STANDARD SPECIFICATIONS.
- THE CONTRACTOR MUST PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES AT ALL TIMES.
- THE CONTRACTOR SHALL CONDUCT THE WORK AT ALL TIMES IN SUCH A MANNER AND IN SUCH SEQUENCE SO AS TO ENSURE THE LEAST INTERFERENCE WITH TRAFFIC OCCURS.
- SIGNS SHALL ONLY BE VISIBLE TO MOTORIST AT THE TIMES WHEN THE MESSAGE IS PERTINENT, I.E. A "FLAGGER AHEAD" SIGN SHALL ONLY BE VISIBLE TO MOTORIST WHEN THE FLAGGER IS ACTUALLY PRESENT PERFORMING THEIR DUTIES.
- PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER CONTRACT ITEM 64L10.

PROJECT NAME: STATEWIDE NORTHWEST REGION  
 PROJECT NUMBER: STP HRRR(5)

FILE NAME: I0K018\_wrk.dgn  
 PROJECT LEADER: JLS  
 DESIGNED BY: NLA  
 TRAFFIC CONTROL SHEET 1

PLOT DATE: 17-SEP-2012 11:34  
 DRAWN BY: NLA  
 CHECKED BY: JLS  
 SHEET 50 OF 51

Figure 6H-3. Work on the Shoulders (TA-3)

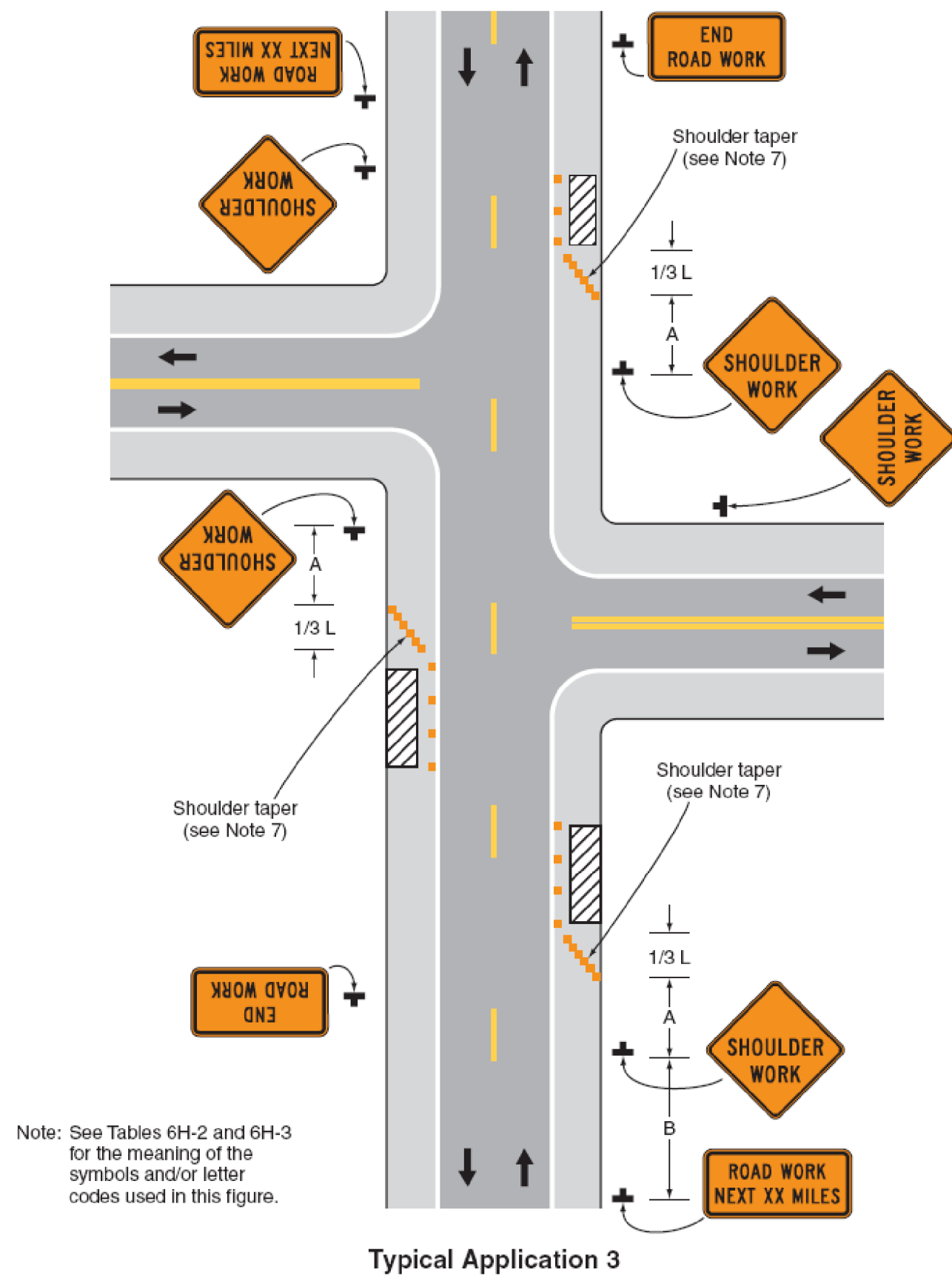


Figure 6H-4. Short-Duration or Mobile Operation on a Shoulder (TA-4)

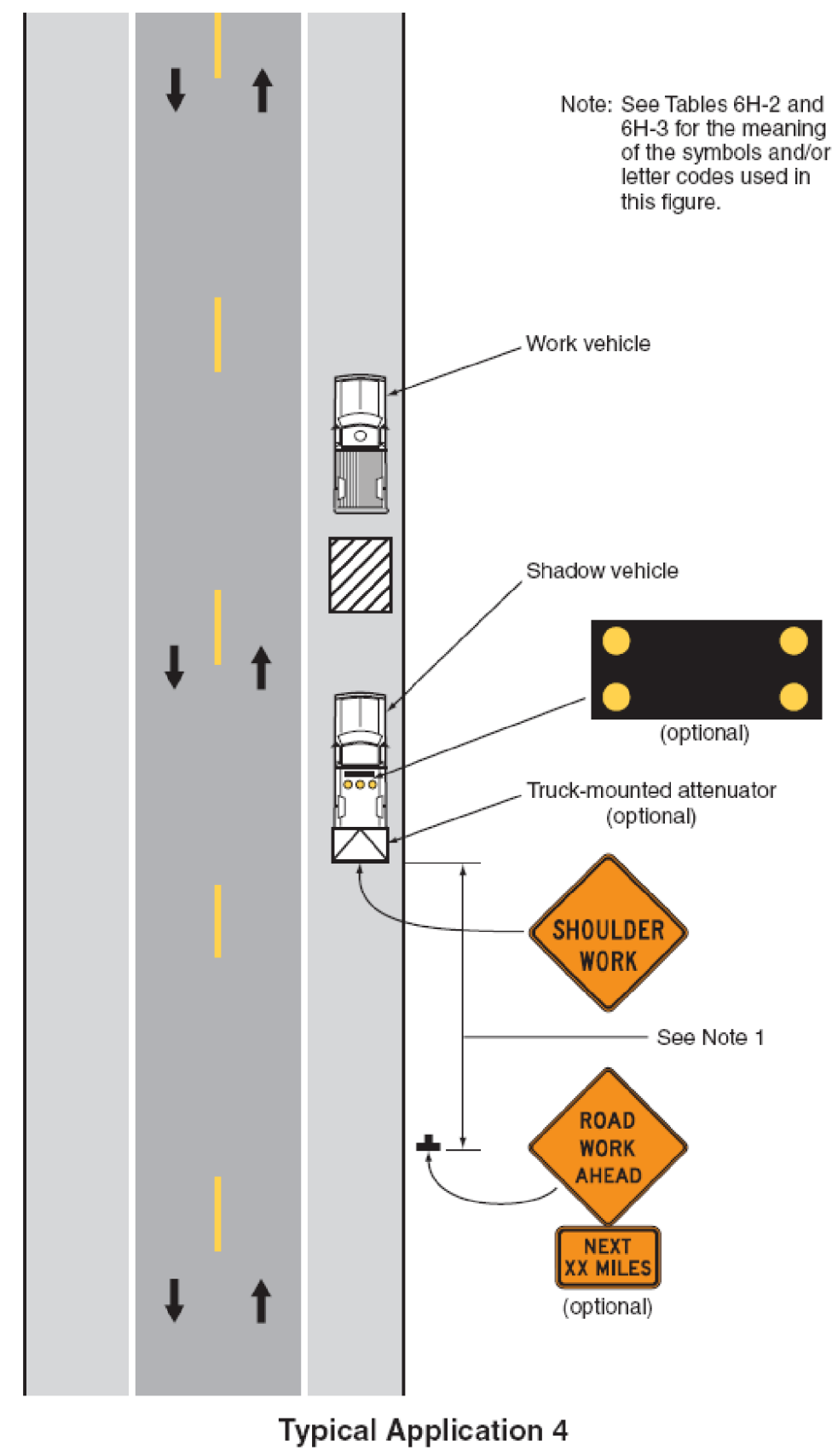


Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)

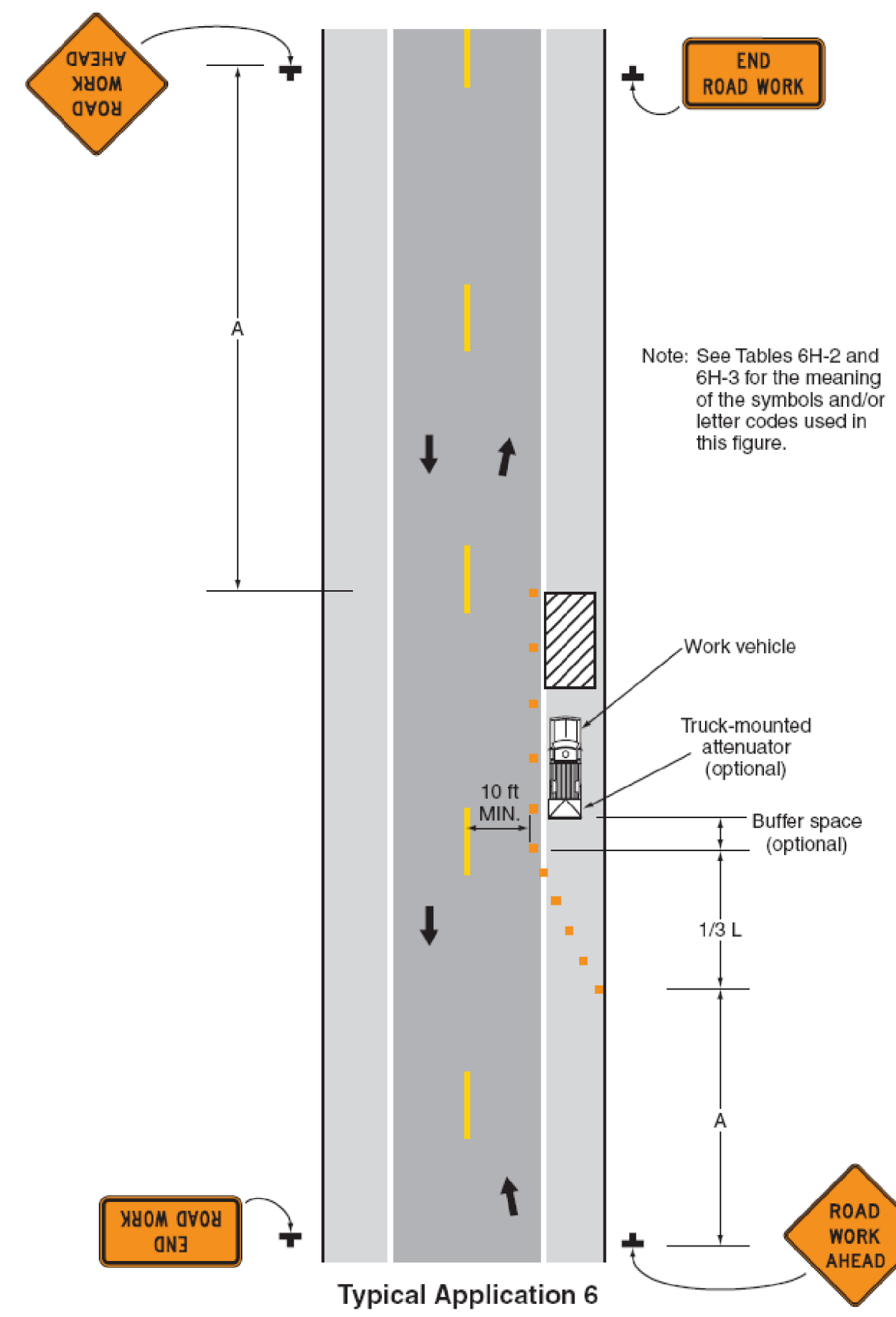
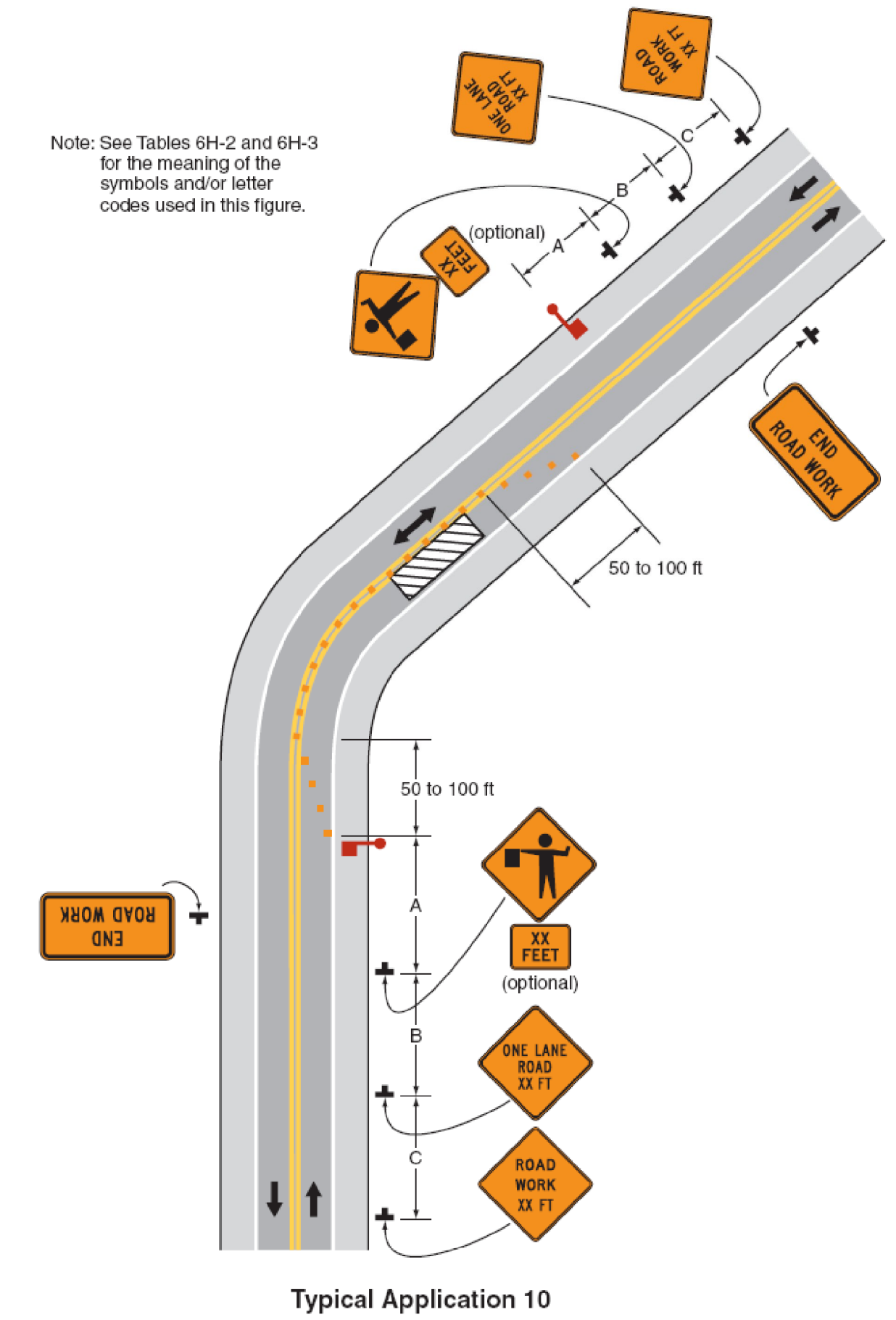


Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)



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 PROJECT LEADER: JLS  
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 TRAFFIC CONTROL SHEET 2

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 DRAWN BY: NLA  
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 SHEET 51 OF 51