

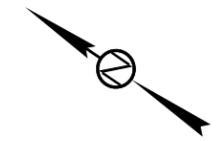
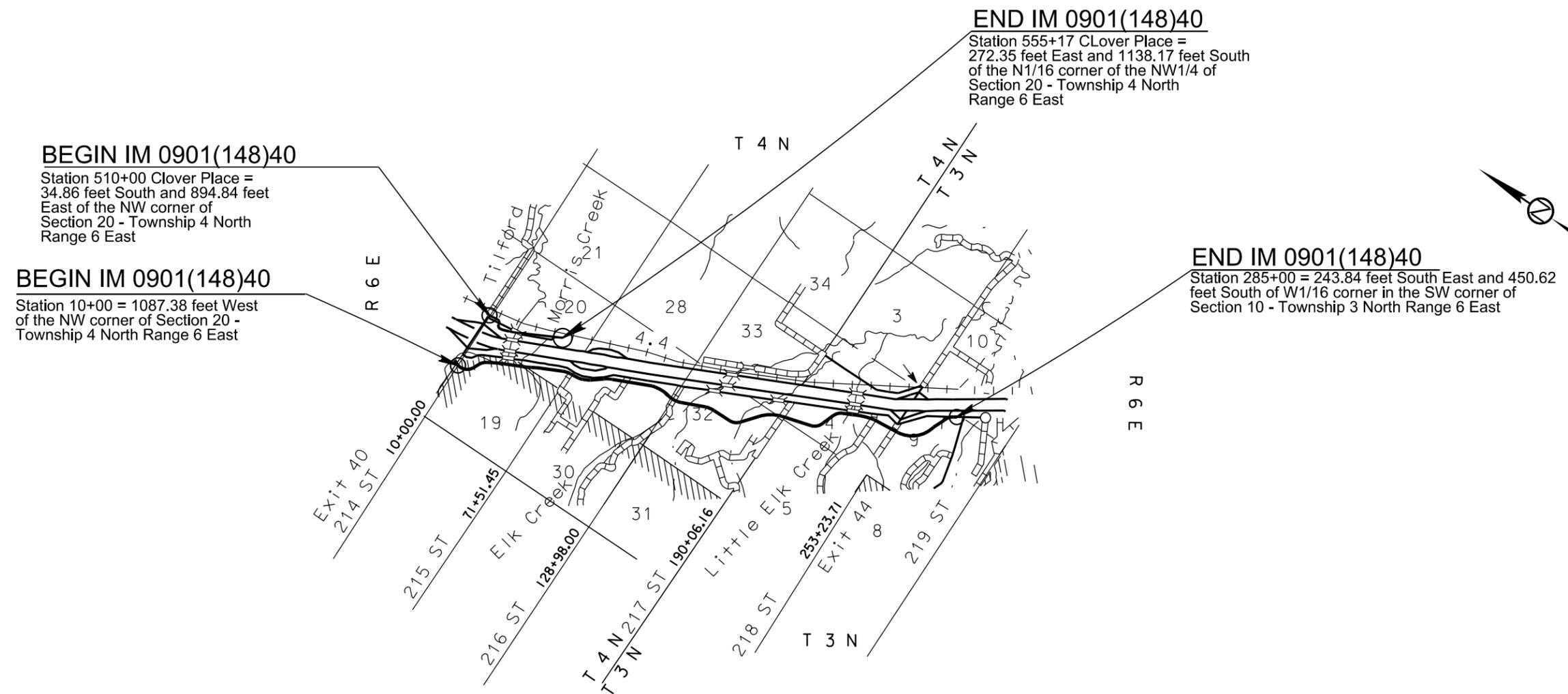
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0901(148)40	S1	S20

Plotting Date: 03/20/2014

# Section S: Permanent Signing Plans

## Index of Sheets

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Plot Scale - 1:200

Plotted From - trcs11628

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**ESTIMATE OF QUANTITIES**

Bid Item Number	Item	Quantity	Unit
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E5010	Salvage Delineator	86	Each
110E5020	Salvage Traffic Sign	101	Each
632E1320	2.0"x2.0" Perforated Tube Post	616.0	Ft
632E1650	No Passing Zone Reference Post	10	Each
632E2022	4"x4" White Delineator Back to Back with 1.12 Lb/Ft Post	265	Each
632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	9	Each
632E2220	Guardrail Delineator	32	Each
632E2510	Type 2 Object Marker Back to Back	80	Each
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	125.7	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	157.3	SqFt
632E3520	Remove, Salvage, Relocate, and Reset Traffic Sign	58	Each

**PERMANENT SIGNING**

The Contractor shall furnish all signs, posts, stiffeners, bases, hardware, and labor for installation of permanent signs in size, type, and quantity as shown in these plans and/or as required by the Engineer.

The Contractor shall provide all labor and equipment necessary to install permanent signing, remove existing signs, and reset existing signs as detailed in these plans and/or as required by the Engineer. Payment for furnishing and installing permanent signs will be paid for the contract unit price for each type of sign based on sheeting requirements per square foot of sign. All signs shall have ASTM D4956 Type IV (High Intensity) or Type XI (Super/Very High Intensity) sheeting as noted on the sign detail sheets. Payment for new signposts, hardware, bases, and labor will be made at the contract unit price per foot for 2.0" x 2.0" perforated tube post. Breakaway post details regarding posts, hardware, and bases shall be followed as per the manufacturer's recommendations. The sign post contract items shall include post bases and all hardware. The lengths of the posts in the sign tables are approximate lengths only. The post lengths shall be verified by the Contractor. The Contractor is urged to cut posts to length on job site after site by site verification of post length.

The Contractor shall use Telespar brand (or equivalent) posts and bases on all new standard highway signs as approved by the Engineer. All post materials shall conform to Section 982 of the Standard Specifications, and be in accordance with ASTM specifications. The height of the post shall not exceed the minimum height needed by more than 0.5 feet. Any portion that extends above the sign shall be cut off. No separate payment will be made for cutting the post or for that length cut off. All posts and bases shall be accompanied by Certificates of Compliance and shall meet all safety standards as set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD).

The Contractor shall stake the signs and the Engineer will verify the location prior to installation. The lateral distance from the roadway and the height of the sign shall be established by the Contractor according to the Permanent Signing Typical, as well as the Standard Plates in the plans and the MUTCD.

The Contractor shall coordinate the removal of signs with Section C of these plans. Existing signing shall be replaced, left in place, or temporarily covered as needed to safely direct traffic through the project or as directed by the Engineer.

**HARDWARE**

Aluminum U-Channel stiffeners shall be used on all standard highway signs greater than or equal to 36" in width and shall conform to Alloy 6063-T6 or 6061-T6. The U-Channel shall be 2 inches in width and free of holes. The U-Channel stiffeners shall also be used to connect various signs and perforated tube posts together so that an entire sign can be erected as a single installation. Stiffeners may be fastened to signs by use of 1/4" drive rivets with a minimum of one on each end and one centered between each post. Installation of the stiffeners shall be incidental to other contract items.

A 3/8" diameter straight bolt (Grade 8) shall be used in all breakaway shear bases for the 2" perforated tube posts. All other perforated tube signpost base material shall be fastened with 5/16" diameter corner bolts (Grade 2).

All perforated tube signposts shall have a soil stabilizer attached to the base. Soil stabilizers shall be MPJ sign wedge style or equivalent.

**DATE DECAL**

The Contractor shall affix a state furnished date decal to each new sign installed. Each decal is an approximately 2" X 2" self-adhesive sticker with removable paper backing and black numerals on a white background. The date decal displays the last two digits of the year the sign was manufactured (as illustrated).



One decal shall be placed in the extreme lower left corner of the back of flat aluminum signs. Sign supports or other obstructions shall not block the view of the date decal upon completion of the sign installation. Cost for installing of date decal on new signs shall be incidental to the contract unit price for the various signing bid items.

**PERFORATED TUBE POST**

Payment for 2.0" x 2.0" perforated tube post shall include all costs for labor, equipment, and materials necessary to complete the following work:

1. Furnish all posts, stiffeners, breakaway bases, soil stabilizers, and hardware.
2. Assembly and installation of breakaway base sign supports as per details shown in these plans.
3. Assembly of sign(s) to sign post as per erection details for Highway Signs as shown in these plans.
4. Installation of signpost and sign(s).

**SIGN LEGEND, BORDER, BACKGROUND, AND MOUNTING**

All sign material shall comply with Section 982 of the Standard Specifications for Roads & Bridges, 2004 Edition.

The sign colors shall be as stipulated in the MUTCD.

When signs are vertically mounted in succession, they shall be 1-2 inches apart. Lateral placement of signs shall be determined by the Engineer.

**REMOVE, SALVAGE, RELOCATE & RESET TRAFFIC SIGN**

The Contractor shall remove signs, posts, and bases for remove and stockpile as shown in the Table of Permanent Signing. All existing signs, posts, and hardware removed as per these plans remain property of the State of South Dakota and shall be transported to the SDDOT Sturgis Maintenance Yard by the Contractor. The Contractor shall notify the Engineer two days prior to time of delivery to the maintenance yard so correct placement for storage and inventory of materials can be made upon receipt.

All bolts, nuts, and washers shall be placed in individual 5-gallon pails. Backing materials shall be separated from the signs and may be reused at the Contractor's discretion. Non-threaded connections (rivets) shall be cut when necessary to reduce sign sections to a 4' x 6' maximum size.

Any post assembly including sign, post, or bases that call for being removed, relocated or reset in the remarks column in the Table of Permanent Signing shall be included in the contract unit price per each for "Remove, Salvage, Relocate & Reset Traffic Sign". All other signs, posts, and bases that call for removal and stockpile shall be included in the contract unit price per each for "Salvage Traffic Sign". These payments shall include all cost for labor and equipment necessary to remove, dismantle, backfill holes (wooden posts only) and deliver signs to the SDDOT Sturgis maintenance yard.

**SHEETING REQUIREMENTS**

All legend and border utilizing the color black shall be vinyl or screen printed black, non-reflectorized material. All other legend and border shall be of same type of sheeting as the background of the same sign. All signs in the table for permanent signing that call for "HIGH" sheeting shall have High Intensity Prismatic retro-reflective background, Type IV as per AASHTO designation M 268 (ASTM D4956). All signs in the Table of Permanent Signing that call for "SUPER/VERY HIGH" sheeting shall have micro-cube corner prismatic reflectorized background, Type XI as per AASHTO designation M 268 (ASTM D4956).

**SALVAGE DELINEATOR**

The Contractor shall provide all labor and equipment necessary to remove existing delineators, Type II object markers, and no passing zone reference posts and deliver them to the SDDOT Sturgis maintenance yard. The Contractor shall separate the reflectors from the posts and place in a 5 gallon bucket. Payment for salvaging existing delineators will be paid for at the contract unit price per each for "Salvage Delineator." Payment for salvaging Type II object markers and no pass zone reference post will also be paid for at the contract unit price per each for "Salvage Delineator."

Below are estimates of existing delineators, Type II object markers, and no passing zone reference posts throughout the project limits:

- Existing 4"x4" White Delineators – 10
- Existing Type II Object Markers – 73
- Existing End no pass zone steel posts - 3

### DELINEATORS

The Contractor shall furnish and install 4"x4" White Delineator Back to Back with 1.12 Lb/Ft Post and 4" Tubular white Delineators with 1.12 Lb/Ft Post. All cost for materials, labor and equipment necessary to furnish and install delineators shall be incidental to the contract unit price per each for "4"x4" White Delineator Back to Back" and "4" Tubular White Delineators with 1.12 Lb/Ft Post."

The Contractor shall lay out delineator locations and shall obtain Engineer approval of locations prior to installation. Delineators shall be placed with the top of the reflector unit approximately 4 feet above the near roadway edge. They shall be located 2 feet outside the outer edge of the shoulder.

Where a roadside barrier or other obstruction intrudes into the space between the pavement edge and the extension of the line of delineators, the delineators shall be in line with the barrier or in line with the innermost edge of the obstruction.

The standard spacing between delineators on the same side of the roadway in tangent sections shall be a maximum of 528 feet with at least 3 delineators visible at all times along the alignment of the roadway with the direction of travel. When normal spacing is interrupted by structures, crossroads, or ramps, delineators falling within such areas may be moved in either direction a distance not exceeding one-quarter of the standard spacing. Delineators still falling within such areas should be eliminated.

The Contractor shall install 4" Tubular White Delineators at intersections with a paved crossroad only. The locations are at stations 10+25 LT -Tilford Rd on Southeast quadrant and at 254+30- Deerview Rd on Northeast and Southeast quadrants.

The spacing for delineators on the outside radius of horizontal curves and for three spaces in advance and for three spaces beyond the curve is given in the following table: Max. Spacing for Delineators on Outside Radius of Horizontal Curves (Distance in Feet Rounded to the Nearest 5 Feet).

Radius Of Curve	Spacing On Curve	Spacing in Advance & Beyond Curve (in feet)		
		1st	2nd	3rd
50	20	40	65	125
150	30	60	90	180
250	40	85	125	250
300	50	95	145	290
400	55	110	170	300
500	65	125	190	300
600	70	140	210	300
700	75	150	230	300
800	80	165	245	300
900	85	175	260	300
1000	90	185	275	300

Spacing for specific radii not shown may be interpolated from table or computed from the formula  $S = 3 \sqrt{(R-50)}$ . The minimum spacing should be 20 feet. The spacing on curves should not exceed 300 feet. The spacing of the first delineator approaching a curve is 2xS, the second is 3xS and the third is 6xS but not to exceed 300 feet. If a spacing less than 300 feet is used approaching the curve, the distance shown above should be adjusted accordingly.

DELINEATOR TABLE													
South Service Rd													
BEGIN	END	TOTAL SEGMENT LENGTH (MI)	TOTAL SEGMENT LENGTH (FT)										
MRM	STA	DIR CRV	Curve Length	Deflection Angle	Degree of Curvature	Radius	Spacing	1st Delin. From Curve (2S)	2nd Delin. From Curve (3S)	3rd Delin. From Curve (6S)	# Delins. Outside of Curve	# Delins. Inside of Curve	Total Delins. Per Curve
	15+30.08	L	735.1	65.50	9.00	636.6	75	150	225	300	16	1	17
	22+59.5	R	386.1	34.50	9.00	636.6	75	150	225	300	11	1	12
	67+37.19	R	401.9	19.25	4.75	1206.2	100	200	300	300	10	1	11
	74+92.02	L	575.4	31.75	5.50	1041.7	95	190	285	300	12	1	13
	75+19.12	L	210.9	18.75	8.75	654.8	75	150	225	300	9	0	9
	79+50.81	L	145.2	13.00	8.75	654.8	75	150	225	300	8	0	8
	89+39.45	R	438.4	13.50	3.00	1909.9	130	260	300	300	9	1	10
	116+03+10	R	730.2	35.00	4.75	1206.2	100	200	300	300	13	1	14
	168+19.14	L	561.3	50.00	8.75	654.8	75	150	225	300	13	1	14
	212+06	L	757.8	66.75	8.75	654.8	75	150	225	300	16	1	17
	222+74.71	R	643.0	57.25	8.75	654.8	75	150	225	300	15	1	16
	261+70.08	L	821.0	73.00	8.75	654.8	75	150	225	300	17	2	19
	271+30.4	R	554.2	49.25	8.75	654.8	75	150	225	300	13	1	14
	271+89.37	R	559.8	49.75	8.75	654.8	75	150	225	300	13	1	14
Total Length of Curves (Ft)			7520			Total Delineators for Curves (Includes the 3 in advance of and also the 3 proceeding away from the curve for each location)						188	
Total Length of Tangents (Ft)			19980								Total Delineators for Tangents	76	
TOTAL 4"x4" White Delineators with 1.12 Lb/Ft Post												264	

### GUARDRAIL DELINEATORS

Delineators shall be placed on all guardrail according to the Standard Plates located in these plans. Guardrail delineators shall be fabricated from 0.080" aluminum.

### TYPE II OBJECT MARKERS

All Type II Object Markers listed in these plans shall be used to mark pipe and box culverts throughout the project. All cost for materials, labor, and equipment necessary to furnish and install Object Markers shall be incidental to the contract unit price per each for the "Type II Object Marker Back to Back." Payment for the removal of existing flexible style and steel post object markers will be paid for the contract unit price per each for Salvage Delineator.

The box culvert at stations 3+60, 59+70, and 198+93 shall have each outside corner marked with a Type II Object Marker.

### NO PASSING ZONE REFERENCE POST

The Contractor shall install a 1.12 Lb/Ft U-channel steel post 24" into the ground within the highway right of way one foot from the fence line. This post must be clearly visible from the driving lane. If topography or obstructions block the visibility of the post from the driving lane, the post may be moved transversely until such point it is visible but not exceed the minimum offset of the standard highway delineation.

A steel post shall be installed at the end of each no passing zone on the same side of centerline as the no passing zone stripe. Four feet of post shall extend above the ground. The Contractor shall slip a State furnished 4" round yellow and black PVC pipe over the steel u-channel post. The Contractor shall be required to give 2 week notice prior to installation.

Utility locations shall be obtained by the Contractor prior to installation of the u-channel post.

Costs for installation of the steel post shall be incidental to the contract unit price per each for "No Passing Zone Reference Post." Estimated number of end post markers is 10 with locations yet to be determined.

### LOGO SIGN FOOTINGS REMOVAL

The Contractor shall remove the logo sign footings for the signs that were at 090 EB - 39.681 (mainline) and 40.177 (Exit40 EB Ramp) for a total of 4 footings. Concrete footings shall be delivered to the SD DOT Sturgis Maintenance Yard. Payment for all cost for labor, materials, and equipment necessary to remove the footings shall be incidental to the contract lump sum price for "Remove Concrete Footings". Concrete footings for the logo sign panels that were at 090 EB MRM 44.576 (mainline) and 44.269 (Exit 44 EB Ramp) shall not be disturbed. Each footing is marked with a steel post. Any damage to the existing footings shall be the responsibility of the Contractor to repair or replace as determined by the Project Engineer.

SIGN POSTS & FOOTING INFORMATION								
Removals								
Locations	MRM 39.681 & 40.177			Footing Steel				
Post Size	Footing Diameter, ft	Footing Depth, ft	Stub Post Legth, ft	Longitudinal Steel Qty and Size	Spiral, ft Length, ft	Diameter	Length	Quantity, lb
W 6 x 20	1.75	6	2.25	8 - #6 Bars	5.6667	1.4167	37.75	68.09
W 8 x 28	2.25	7		8 - #8 Bars	6.6667	1.9167	57	163.83

Plotting Date: 03/20/2014

**PERMANENT SIGNING- I90 Service Road Southside (Eastbound Old Alignment)**

MILEPOST (APPROX.)	NEW STAT (APPROX.)	SIGN							POST					DESCRIPTION	REMARKS	
		Width (in)	Height (in)	Number	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	#			Shear Slip Base
<b>INTERSTATE 90 EASTBOUND</b>																
39.681		228	132	LOGO	EASTBOUND	NO	NO	-	-	NO	-	-	-	-	REMOVE SIGN FOOTINGS	REFERENCE PLAN NOTES
40.177		120	84	LOGO	EASTBOUND	NO	NO	-	-	NO	-	-	-	-	REMOVE SIGN FOOTINGS	REFERENCE PLAN NOTES
<b>SERVICE ROAD</b>																
40.170		48	36		EASTBOUND	NO	YES	-	-	NO	-	-	-	-	SERVICE ROAD	SALVAGE EXISTING SIGN AND POSTS
40.186	12+50	36	30	AAH	EASTBOUND	YES	YES	7.5	IV	YES	10.0	2.0	2	-	ADOPT-A-HIGHWAY	SALVAGE EXISTING SIGN & RESET NEW SIGN ON NEW ALIGNMENT WITH NEW POSTS
40.186	12+50	36	12	AAH	EASTBOUND	YES	YES	3.0	IV	NO	-	-	-	-	PLEASANT VALLEY 4-H	SALVAGE EXISTING SIGN & RESET WITH NEW SIGN ON NEW ALIGNMENT
40.186	12+50	30	30	AD-7	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	LITTER CREW	REMOVE & RESET ON NEW ALIGNMENT
40.193		30	30	W1-4	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	REVERSE CURVE LEFT	SALVAGE EXISTING SIGN & POST
40.193		18	18	W13-1P	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	ADVISORY SPEED 30	SALVAGE EXISTING SIGN & POST
40.205		48	24	W1-6R	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	ARROW	SALVAGE EXISTING SIGN & POSTS
40.217		18	24	W1-8	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	CHEVRON	SALVAGE EXISTING SIGN & POST
40.217		18	24	W1-8	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	CHEVRON	SALVAGE EXISTING SIGN
40.238		18	24	W1-8	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	CHEVRON	SALVAGE EXISTING SIGN & POST
40.238		18	24	W1-8	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	CHEVRON	SALVAGE EXISTING SIGN
40.247		48	24	W1-6R	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	ARROW	SALVAGE EXISTING & POSTS
40.257		18	24	W1-8	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	CHEVRON	SALVAGE EXISTING SIGN & POST
40.257		18	24	W1-8	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	CHEVRON	SALVAGE EXISTING SIGN
40.363		24	30	R2-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	SPEED LIMIT-55	SALVAGE EXISTING SIGN & POST
40.522		48	48	W14-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	NO PASS ZONE	SALVAGE EXISTING SIGN & POST
40.935		30	24	SPECIAL	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	NO TRESPASSING STATE	SALVAGE EXISTING SIGN & POST
40.956		30	24	SPECIAL	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	NO TRESPASSING STATE	SALVAGE EXISTING SIGN & POST
41.014		48	48	W14-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	NO PASS ZONE	SALVAGE EXISTING SIGN & POST
41.022		30	30	W1-2L	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	RIGHT CURVE	SALVAGE EXISTING SIGN & POST
41.022		18	18	W13-1P	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	ADVISORY SPEED 50	SALVAGE EXISTING SIGN
41.231		30	30	W1-4	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	REVERSE CURVE LEFT	SALVAGE EXISTING SIGN & POST
41.231		18	18	W13-1P	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	ADVISORY SPEED 40	SALVAGE EXISTING SIGN
41.330	SAME	30	30	R1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
41.304	71+63	48	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	LINCOLN TARKEN LN	REMOVE & RESET ON NEW ALIGNMENT & SALVAGE POST
41.304	71+63	48	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	LINCOLN TARKEN LN	REMOVE & RESET ON NEW ALIGNMENT
41.304	71+63	30	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
41.304	71+63	30	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
41.645		24	24	I10-3	BOTH	NO	YES	-	-	NO	-	-	-	-	FATALITY MARKER	SALVAGE EXISTING SIGN & POST
41.814		24	24	I10-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	FATALITY MARKER	SALVAGE EXISTING SIGN & POST
41.831		48	48	W14-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	NO PASS ZONE	SALVAGE EXISTING SIGN & POST
41.894	101+63	36	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	HOMER SMITH RD	REMOVE & RESET ON NEW ALIGNMENT & SALVAGE POST
41.894	101+63	36	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	HOMER SMITH RD	REMOVE & RESET ON NEW ALIGNMENT
41.894	101+63	30	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
41.894	101+63	30	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
41.907	101+63	30	30	R1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
42.446	128+85	30	30	R1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
42.447	128+85	36	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	BETHLEHEM RD	REMOVE & RESET ON NEW ALIGNMENT & SALVAGE POST
42.447	128+85	36	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	BETHLEHEM RD	REMOVE & RESET ON NEW ALIGNMENT
42.447	128+85	30	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
42.447	128+85	30	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
42.865		12	36	OM3-R	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
42.865 LT		12	36	OM3-L	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
42.892		12	36	OM3-R	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
42.892 LT		12	36	OM3-L	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
42.901		36	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	HIGH PLAINS PL	SALVAGE EXISTING SIGN & POST
42.901		36	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	HIGH PLAINS PL	SALVAGE EXISTING SIGN

1:200

Plot Scale -

trrc11628

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Plotting Date: 03/20/2014

**PERMANENT SIGNING- I90 Service Road Southside (Eastbound Old Alignment)**

MILEPOST. (APPROX.)	NEW STA. (APPROX.)	SIGN							POST					DESCRIPTION	REMARKS
		Width (in)	Height (in)	Number	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	#		
42.901		30	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	SALVAGE EXISTING SIGN
42.901		30	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	SALVAGE EXISTING SIGN
42.914		30	30	R1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
43.447		24	24	I10-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	FATALITY MARKER	SALVAGE EXISTING SIGN & POST
43.484		4.5	15	D10-4	EASTBOUND	NO	YES	-	-	NO	-	-	-	MRM 42.43	SALVAGE EXISTING SIGN & POST
43.484		4.5	15	D10-4	WESTBOUND	NO	YES	-	-	NO	-	-	-	MRM 42.43	SALVAGE EXISTING SIGN & POST
43.484 LT		12	36	OM3-L	EASTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
43.486		12	36	OM3-R	EASTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
43.496 LT		12	36	OM3-L	WESTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
43.498		12	36	OM3-R	WESTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
43.515		24	24	I10-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	FATALITY MARKER	SALVAGE EXISTING SIGN & POST
43.515		24	24	I10-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	FATALITY MARKER	SALVAGE EXISTING SIGN & POST
43.538		30	30	R1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
43.540	190+24	48	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	PIEDMONT MEADOWS RD	REMOVE & RESET ON NEW ALIGNMENT & SALVAGE POST
43.540	190+24	48	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	PIEDMONT MEADOWS RD	REMOVE & RESET ON NEW ALIGNMENT
43.540	190+24	30	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
43.540	190+24	30	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
44.096		12	36	OM3-R	EASTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
44.096 LT		12	36	OM3-L	EASTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
44.120		12	36	OM3-R	WESTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
44.120 LT		12	36	OM3-L	WESTBOUND	NO	YES	-	-	NO	-	-	-	TYPE III OBJECT MARKER	SALVAGE EXISTING SIGN & POST
44.120	228+54	4.5	15	D10-4	EASTBOUND	YES	YES	0.5	IV	YES	6.0	2.0	1	MRM 44.10	SALVAGE EXISTING SIGN & RESET NEW SIGN ON NEW ALIGNMENT WITH NEW POSTS
44.120	228+54	4.5	15	D10-4	WESTBOUND	YES	YES	0.5	IV	NO	-	-	-	MRM 44.10	SALVAGE EXISTING SIGN & RESET WITH NEW SIGN ON NEW ALIGNMENT
44.306		24	24	I10-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	FATALITY MARKER	SALVAGE EXISTING SIGN & POST
44.309		36	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	LITTLE ELK CREEK RD	SALVAGE EXISTING SIGN & POST
44.309		36	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	LITTLE ELK CREEK RD	SALVAGE EXISTING SIGN
44.309	239+38	36	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
44.309	239+38	36	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
44.321		30	30	R1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
44.517		30	30	W3-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	STOP AHEAD	SALVAGE EXISTING SIGN & POST
44.582	257+00	24	24	M1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	INTERSTATE ROUTE 90	REMOVE & RESET ON NEW ALIGNMENT
44.582	257+00	24	24	M1-4	EASTBOUND	NO	YES	-	-	NO	-	-	-	US ROUTE 14	REMOVE & RESET ON NEW ALIGNMENT
44.582	257+00	24	24	M1-5	EASTBOUND	NO	YES	-	-	NO	-	-	-	STATE ROUTE 79	REMOVE & RESET ON NEW ALIGNMENT
44.582	257+00	21	15	M6-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	DIRECTIONAL ARROW	REMOVE & RESET ON NEW ALIGNMENT
44.622		30	30	R1-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
44.633		30	30	R1-1	NORTHBOUND	NO	YES	-	-	NO	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
44.640	254+00	30	10	D3-3	NORTHBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT & SALVAGE POST
44.640	254+00	30	10	D3-3	SOUTHBOUND	NO	YES	-	-	NO	-	-	-	STURGIS RD	REMOVE & RESET ON NEW ALIGNMENT
44.640	254+00	30	18	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	CHIMNEY CANYON RD	REMOVE & RESET ON NEW ALIGNMENT
44.640	254+00	30	18	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	CHIMNEY CANYON RD	REMOVE & RESET ON NEW ALIGNMENT
44.640		30	18	D3-3	SOUTHBOUND	NO	YES	-	-	NO	-	-	-	CHIMNEY CANYON RD	SALVAGE EXISTING SIGN
44.640		30	18	D3-3	NORTHBOUND	NO	YES	-	-	NO	-	-	-	DEERVIEW RD	SALVAGE EXISTING SIGN
44.640	254+52	30	18	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	DEERVIEW RD	REMOVE & RESET ON NEW ALIGNMENT
44.640	254+52	30	18	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	DEERVIEW RD	REMOVE & RESET ON NEW ALIGNMENT
44.648	254+00	52	32	D1-2	SOUTHBOUND	NO	YES	-	-	NO	-	-	-	PIEDMONT/BETHLEHEM RD	REMOVE & RESET ON NEW ALIGNMENT
44.665	256+50	36	30	AAH	EASTBOUND	YES	YES	7.5	IV	YES	10.0	2.0	2	ADOPT-A-HIGHWAY	SALVAGE EXISTING SIGN & RESET NEW SIGN ON NEW ALIGNMENT WITH NEW POSTS
44.665	256+50	36	12	AAH	EASTBOUND	YES	YES	3.0	IV	NO	-	-	-	PIEDMONT VALLEY LIONS CLUB	SALVAGE EXISTING SIGN & RESET WITH NEW SIGN ON NEW ALIGNMENT
44.665	256+50	30	30	AD-7	EASTBOUND	NO	YES	-	-	NO	-	-	-	LITTER CREW	REMOVE & RESET ON NEW ALIGNMENT
44.700		24	30	R2-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	SPEED LIMIT-35	SALVAGE EXISTING SIGN & POST

Plot Scale - 1:200

Plotted From - trc11628

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Plotting Date: 03/20/2014

**PERMANENT SIGNING- 190 Service Road Southside (Westbound Old Alignment)**

EXISTING STA. (APPROX.)	NEW STA. (APPROX.)	SIGN								POST					DESCRIPTION	REMARKS
		Width (in)	Height (in)	Number	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	#	Shear Slip Base		
44.800		30	30	W3-1	WESTBOUND	NO	YES	-	-	NO	-	-	-	STOP AHEAD	SALVAGE EXISTING SIGN & POST	
44.720		24	24	M1-1	WESTBOUND	NO	YES	-	-	NO	-	-	-	INTERSTATE ROUTE 90	SALVAGE EXISTING SIGN & POSTS	
44.720		24	24	M1-4	WESTBOUND	NO	YES	-	-	NO	-	-	-	US ROUTE 14	SALVAGE EXISTING SIGN	
44.720		24	24	M1-5	WESTBOUND	NO	YES	-	-	NO	-	-	-	STATE ROUTE 79	SALVAGE EXISTING SIGN	
44.720		21	15	M6-1	WESTBOUND	NO	YES	-	-	NO	-	-	-	DIRECTIONAL ARROW	SALVAGE EXISTING SIGN	
44.670 LT	SAME	21	15	M3-2	EASTBOUND	NO	NO	-	-	NO	-	-	-	EAST	LEAVE AS IS	
44.670 LT	SAME	24	24	M1-1	EASTBOUND	NO	NO	-	-	NO	-	-	-	INTERSTATE ROUTE 90	LEAVE AS IS	
44.670 LT	SAME	21	15	M3-3	EASTBOUND	NO	NO	-	-	NO	-	-	-	SOUTH	LEAVE AS IS	
44.670 LT	SAME	24	24	M1-5	EASTBOUND	NO	NO	-	-	NO	-	-	-	STATE ROUTE 79	LEAVE AS IS	
44.670 LT		21	15	M6-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	DIRECTIONAL ARROW	SALVAGE EXISTING SIGN	
44.665		30	30	R1-1	WESTBOUND	NO	YES	-	-	NO	-	-	-	STOP	SALVAGE EXISTING SIGN & POST	
44.626		48	36	SPECIAL	WESTBOUND	NO	YES	-	-	NO	-	-	-	SERVICE ROAD	SALVAGE EXISTING SIGN & POST	
44.595		24	24	I10-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	FATALITY MARKER	SALVAGE EXISTING SIGN	
44.595	SAME	VAR	VAR	D1-1	EASTBOUND	NO	NO	-	-	NO	-	-	-	BETHLEHEM RD	LEAVE AS IS	
44.576	SAME	120	84	LOGO	EASTBOUND	NO	NO	-	-	NO	-	-	-	LOGO PANEL SIGN FOOTINGS	DO NOT DISTURB - REFERENCE PLAN NOTES	
44.557	252+00	36	30	AAH	EASTBOUND	YES	YES	7.5	IV	YES	10.0	2.0	2	ADOPT-A-HIGHWAY	SALVAGE EXISTING SIGN & RESET NEW SIGN ON NEW ALIGNMENT WITH NEW POSTS	
44.557	252+00	36	12	AAH	EASTBOUND	YES	YES	3.0	IV	NO	-	-	-	PLEASANT VALLEY 4-H	SALVAGE EXISTING SIGN & RESET WITH NEW SIGN ON NEW ALIGNMENT	
44.557	252+00	30	30	AD-7	EASTBOUND	NO	YES	-	-	NO	-	-	-	LITTER CREW	REMOVE & RESET ON NEW ALIGNMENT	
44.500		24	30	R2-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	SPEED LIMIT-55	SALVAGE EXISTING SIGN & POST	
44.419	SAME	VAR	VAR	D1-1	EASTBOUND	NO	NO	-	-	NO	-	-	-	BETHLEHEM RD EXIT	LEAVE AS IS	
44.330		48	48	W14-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	NO PASS ZONE	SALVAGE EXISTING SIGN & POST	
44.314		48	24	W1-7	NORTHBOUND	NO	YES	-	-	NO	-	-	-	TWO-DIRECTION LARGE ARROW	SALVAGE EXISTING SIGN & POSTS	
44.269	SAME	228	132	LOGO	EASTBOUND	NO	NO	-	-	-	-	-	-	LOGO PANEL SIGN FOOTINGS	DO NOT DISTURB - REFERENCE PLAN NOTES	
43.538		48	24	W1-7	NORTHBOUND	NO	YES	-	-	NO	-	-	-	TWO-DIRECTION LARGE ARROW	SALVAGE EXISTING SIGN & POSTS	
43.424	SAME	VAR	VAR	D1-1	EASTBOUND	NO	NO	-	-	-	-	-	-	BETHLEHEM RD 1 MILE	LEAVE AS IS	
43.074	SAME	VAR	VAR	D1-2	EASTBOUND	NO	NO	-	-	-	-	-	-	PIEDMONT NEXT 2 EXITS	LEAVE AS IS	
42.444		48	24	W1-7	NORTHBOUND	NO	YES	-	-	NO	-	-	-	TWO-DIRECTION LARGE ARROW	SALVAGE EXISTING SIGN & POSTS	
41.751		30	30	W1-4	WESTBOUND	NO	YES	-	-	NO	-	-	-	REVERSE CURVE LEFT	SALVAGE EXISTING SIGN & POST	
41.333		30	30	W1-2L	WESTBOUND	NO	YES	-	-	NO	-	-	-	LEFT CURVE	SALVAGE EXISTING SIGN & POST	
41.333		18	18	W13-1P	WESTBOUND	NO	YES	-	-	NO	-	-	-	ADVISORY SPEED 50	SALVAGE EXISTING SIGN & POST	
41.190		48	48	W14-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	NO PASS ZONE	SALVAGE EXISTING SIGN & POST	
40.718	SAME	VAR	VAR	D1-1	EASTBOUND	NO	NO	-	-	NO	-	-	-	REST AREA SIGN PANEL	LEAVE AS IS	
40.590		48	48	W14-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	NO PASS ZONE	SALVAGE EXISTING SIGN & POST	
40.467		30	30	W1-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	REVERSE TURN	SALVAGE EXISTING SIGN & POST	
40.467		18	18	W13-1P	EASTBOUND	NO	YES	-	-	NO	-	-	-	ADVISORY SPEED 30	SALVAGE EXISTING SIGN & POST	
40.366		30	30	W3-2	WESTBOUND	NO	YES	-	-	NO	-	-	-	YEILD AHEAD	SALVAGE EXISTING SIGN & POST	
40.356		18	24	W1-8	WESTBOUND	NO	YES	-	-	NO	-	-	-	CHEVRON	SALVAGE EXISTING SIGN & POST	
40.356		18	24	W1-8	EASTBOUND	NO	YES	-	-	NO	-	-	-	CHEVRON	SALVAGE EXISTING SIGN	
40.341		48	24	W1-6R	WESTBOUND	NO	YES	-	-	NO	-	-	-	ARROW	SALVAGE EXISTING SIGN & POSTS	
40.338		18	24	W1-8	WESTBOUND	NO	YES	-	-	NO	-	-	-	CHEVRON	SALVAGE EXISTING SIGN & POST	
40.338		18	24	W1-8	EASTBOUND	NO	YES	-	-	NO	-	-	-	CHEVRON	SALVAGE EXISTING SIGN	
40.323		18	24	W1-8	WESTBOUND	NO	YES	-	-	NO	-	-	-	CHEVRON	SALVAGE EXISTING SIGN & POST	
40.232		18	24	W1-8	EASTBOUND	NO	YES	-	-	NO	-	-	-	CHEVRON	SALVAGE EXISTING SIGN	
40.202		36	36	R1-2	WESTBOUND	NO	YES	-	-	NO	-	-	-	YEILD	SALVAGE EXISTING SIGN & POST	
40.202		48	48	W14-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	NO PASS ZONE	SALVAGE EXISTING SIGN	

Plot Scale - 1:200

Plotted From - trc11628

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**PERMANENT SIGNING- 190 Service Road Southside (Eastbound New Alignment)**

MILEPOST OLD ALIGNMENT	NEW STA. (APPROX.)	SIGN							POST					DESCRIPTION	REMARKS	
		Width (in)	Height (in)	Number	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	#			Shear Slip Base
	3+60 LT	6	12	OM2-2V	SOUTHBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	4+00 LT	6	12	OM2-2V	NORTHBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	9+60	48	24	W1-6R	WESTBOUND	FLAT ALUM	-	8.0	XI	YES	10.0	2.0	2	-	ONE DIRECTION LARGE ARROW	INSTALL NEW SIGN & POSTS
	10+00	48	24	W1-6L	SOUTHBOUND	FLAT ALUM	-	8.0	XI	YES	10.0	2.0	2	-	ONE DIRECTION LARGE ARROW	INSTALL NEW SIGN & POSTS
	11+50	24	30	R2-1	EASTBOUND	FLAT ALUM	-	5.0	IV	YES	8.0	2.0	1	-	SPEED LIMIT-45	INSTALL NEW SIGN & POST
40.186	12+50	36	30	AAH	EASTBOUND	NO	-	-	-	NO	-	-	-	-	ADOPT-A-HIGHWAY	INSTALL NEW SIGN & POSTS FROM OLD ALIGNMENT
40.186	12+50	36	12	AAH	EASTBOUND	NO	-	-	-	NO	-	-	-	-	PLEASANT VALLEY 4-H	INSTALL NEW SIGN UNDER ADOPT A HIGHWAY FROM OLD ALIGNMENT
40.186	12+50	30	30	AD-7	EASTBOUND	NO	-	-	-	NO	-	-	-	-	LITTER CREW	RESET EXISTING SIGN FROM OLD ALIGNMENT UNDER PLEASANT VALLEY ON LEFT POST
	28+35	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	29+8	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	37+75	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	38+42	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	59+70	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	59+85	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	68+15	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	68+72 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	71+00	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
41.304	71+63	30	10	D3-3	NORTHBOUND	NO	-	-	-	YES	12.0	2.0	2	-	STURGIS RD	RESET EXISTING SIGN WITH NEW POST
41.304	71+63	30	10	D3-3	SOUTHBOUND	NO	-	-	-	NO	-	-	-	-	STURGIS RD	RESET EXISTING SIGN ON BACKSIDE OF STUGIS RD
41.304	71+63	48	10	D3-3	EASTBOUND	NO	-	-	-	NO	-	-	-	-	LINCOLN TARKEN LN	RESET EXISTING SIGN BELOW STURGIS RD
41.304	71.63	48	10	D3-3	WESTBOUND	NO	-	-	-	NO	-	-	-	-	LINCOLN TARKEN LN	RESET EXISTING SIGN ON BACKSIDE OF LINCOLN TARKEN LN
41.304	71+63	30	30	R1-1	NORTHBOUND	FLAT ALUM	-	6.3	XI	NO	-	-	-	-	STOP	INSTALL NEW SIGN ON THE BOTTOM OF STREET SIGNS
	71+75	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	89+75	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	90+55 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	100+46	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	100+46 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	100+73	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	100+73 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
41.894	101+65	36	10	D3-3	NORTHBOUND	NO	YES	-	-	YES	12.0	2.0	2	-	STURGIS RD	RESET EXISTING SIGN WITH NEW POST
41.894	101+65	36	10	D3-3	SOUTHBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	RESET EXISTING SIGN ON BACKSIDE OF STUGIS RD
41.894	101+65	30	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	HOMER SMITH RD	RESET EXISTING SIGN BELOW STURGIS RD
41.894	101+65	30	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	HOMER SMITH RD	RESET ESISTING SIGN ON BACKSIDE OF HOMER SMITH RD
41.907	101+65	30	30	R1-1	NORTHBOUND	FLAT ALUM	-	6.3	XI	NO	-	-	-	-	STOP	INSTALL NEW SIGN ON THE BOTTOM OF STREET SIGNS
	112+94	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	113+33	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	115+82	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	116+10 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	116+14	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	116+34 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	122+05 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	122+66 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	122+78	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	122+78 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	123+10	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	123+10 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	128+54	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL					TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
42.447	128+85	36	10	D3-3	NORTHBOUND	NO	YES	-	-	YES	12.0	2.0	2	-	STURGIS RD	RESET EXISTING SIGN WITH NEW POST
42.447	128+85	36	10	D3-3	SOUTHBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	RESET EXISTING SIGN ON BACKSIDE OF STUGIS RD
42.447	128+85	36	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	BETHLEHEM RD	RESET EXISTING SIGN BELOW STURGIS RD
42.447	128+85	36	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	BETHLEHEM RD	RESET ESISTING SIGN ON BACKSIDE OF BETHLEHEM RD
42.446	128+85	30	30	R1-1	NORTHBOUND	FLAT ALUM	-	6.3	XI	NO	-	-	-	-	STOP	INSTALL NEW SIGN ON THE BOTTOM OF STREET SIGNS

Plot Scale - 1:200

Plotted From - trc11628

File - ...101KK\_SectionNotes table border.dgn

Plotting Date: 03/20/2014

**PERMANENT SIGNING- 190 Service Road Southside (Eastbound New Alignment)**

MILEPOST OLD ALIGNMENT	NEW STA. (APPROX.)	SIGN								POST					DESCRIPTION	REMARKS
		Width (in)	Height (in)	Number	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	#	Shear Slip Base		
	129+18	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	131+62	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	132+22 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	140+35	4.5	15	D10-4	EASTBOUND	FLAT ALUM	N/A	0.5	IV	YES	6.0	2.0	1	-	MRM 42.81	INSTALL NEW SIGN ON NEW POST FOR THE BRIDGE
	140+35	4.5	15	D10-4	WESTBOUND	FLAT ALUM	N/A	0.5	IV	-	-	-	-	-	MRM 42.81	INSTALL NEW SIGN ON BACKSIDE OF MRM 42.81
	140+35	12	36	OM3-R	WESTBOUND	FLAT ALUM	YES	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW SIGN ON NEW POST
	140+35 LT	12	36	OM3-L	WESTBOUND	FLAT ALUM	YES	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW SIGN ON NEW POST
	143+84	12	36	OM3-R	WESTBOUND	FLAT ALUM	YES	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW SIGN ON NEW POST
	143+84 LT	12	36	OM3-L	WESTBOUND	FLAT ALUM	YES	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW SIGN ON NEW POST
	151+58	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	151+58 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	151+83	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	151+83 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	189+47	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	189+94	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
43.540	190+24	36	10	D3-3	NORTHBOUND	NO	YES	-	-	YES	12.0	2.0	2	-	STURGIS RD	RESET EXISTING SIGN WITH NEW POST
43.540	190+24	36	10	D3-3	SOUTHBOUND	NO	YES	-	-	NO	-	-	-	-	STURGIS RD	RESET EXISTING SIGN ON BACKSIDE OF STUGIS RD
43.540	190+24	36	10	D3-3	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	PIEDMONT MEADOWS RD	RESET EXISTING SIGN BELOW STUGIS RD
43.540	190+24	36	10	D3-3	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	PIEDMONT MEADOWS RD	RESET EXISTING SIGN ON BACKSIDE OF PIEDMONT MEADOWS RD
	190+24	30	30	R1-1	NORTHBOUND	FLAT ALUM	-	6.3	XI	NO	-	-	-	-	STOP	INSTALL NEW SIGN ON THE BOTTOM OF STREET SIGNS
	198+93 LT	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	199+23 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	199+34	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	199+56	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST FOR BOX CULVERT
	204+22 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	204+49 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	204+57	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	204+85	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	218+11	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	218+57	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	219+64	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	220+10	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	220+22	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	200+46	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	227+22	12	36	OM3-L	EASTBOUND	FLAT ALUM	N/A	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW ON NEW POST
	227+22	12	36	OM3-R	EASTBOUND	FLAT ALUM	N/A	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW ON NEW POST
	228+54	12	36	OM3-L	WESTBOUND	FLAT ALUM	N/A	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW ON NEW POST
	228+54	12	36	OM3-R	WESTBOUND	FLAT ALUM	N/A	3.0	IV	YES	6.0	2.0	1	-	TYPE III OBJECT MARKER	INSTALL NEW ON NEW POST
44.120	228+54	4.5	15	D10-4	EASTBOUND	FLAT ALUM	N/A	0.5	IV	YES	6.0	2.0	1	-	MRM 44.10	INSTALL NEW SIGN ON NEW POST FOR THE BRIDGE
44.120	228+54	4.5	15	D10-4	WESTBOUND	FLAT ALUM	N/A	0.5	IV	-	-	-	-	-	MRM 44.10	INSTALL NEW SIGN ON BACKSIDE OF MRM 44.10
	239+00	48	24	W1-7	NORTHBOUND	FLAT ALUM	N/A	8.0	XI	YES	10.0	2.0	2	-	TWO-DIRECTION LARGE ARROW	INSTALL NEW ON NEW POSTS
	239+35	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
44.309	239+38	36	10	D3-3	NORTHBOUND	NO	N/A	-	-	YES	12.0	2.0	2	-	STURGIS RD	RESET EXISTING SIGN WITH NEW POST
44.309	239+38	36	10	D3-3	SOUTHBOUND	NO	N/A	-	-	NO	-	-	-	-	STURGIS RD	RESET EXISTING SIGN ON BACKSIDE OF STUGIS RD
	239+38	48	8	SPECIAL	EASTBOUND	FLAT ALUM	N/A	2.7	IV	NO	-	-	-	-	LITTLE ELK CANYON RD	INSTALL NEW SIGN BELOW STRUGIS RD.
	239+38	48	8	SPECIAL	WESTBOUND	FLAT ALUM	N/A	2.7	IV	NO	-	-	-	-	LITTLE ELK CANYON RD	INSTALL NEW SIGN ON BACKSIDE OF LITTLE ELK CANYON RD
	239+38	30	30	R1-1	NORTHBOUND	FLAT ALUM	N/A	6.3	XI	NO	-	-	-	-	STOP	INSTALL NEW SIGN ON THE BOTTOM OF STREET SIGNS
	239+55	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	249+00	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	249+00	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-					INCIDENTAL	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	249+50	30	30	W3-1	EASTBOUND	FLAT ALUM	N/A	6.3	XI	YES	10.0	2.00	1	-	STOP AHEAD	INSTALL NEW SIGN ON NEW POST
	252+00	24	24	M1-1	EASTBOUND	FLAT ALUM	NA	4.0	IV	YES	14.0	2.00	2		INTERSTATE ROUTE 90	INSTALL NEW SIGN ON NEW POSTS

Plot Scale - 1:200

Plotted From - trc11628

File - ...101KK\_SectionNotes table border.dgn

**PERMANENT SIGNING- 190 Service Road Southside (Eastbound New Alignment)**

MILEPOST OLD ALIGNMENT	NEW STA. (APPROX.)	SIGN							POST					DESCRIPTION	REMARKS	
		Width (in)	Height (in)	Number	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	#			Shear Slip Base
	252+00	24	24	M1-4	EASTBOUND	FLAT ALUM	N/A	4.0	IV	NO	-	-	-	-	US ROUTE 14	INSTALL NEW SIGN BELOW 90 SHIELD ON LEFT SIDE
	252+00	24	24	M1-5	EASTBOUND	FLAT ALUM	N/A	4.0	IV	NO	-	-	-	-	STATE ROUTE 79	INSTALL NEW SIGN BELOW 90 SHIELD ON RIGHT SIDE
	252+00	21	15	M6-1	EASTBOUND	FLAT ALUM	N/A	2.2	IV	NO	-	-	-	-	DIRECTIONAL ARROW	INSTALL NEW SIGN CENTERED BELOW US 14 AND STATE 79
	254+00	36	10	D3-3	NORTHBOUND	NO	N/A	-	-	YES	12.0	2.0	2	-	STURGIS RD	RESET EXISTING SIGN WITH NEW POST
	254+00	36	10	D3-3	SOUTHBOUND	NO	N/A	-	-	NO	-	-	-	-	STURGIS RD	RESET EXISTING SIGN ON BACKSIDE OF STUGIS RD
	254+00	48	8	D3-3	EASTBOUND	NO	N/A	2.7	IV	NO	-	-	-	-	CHIMNEY CANYON RD	INSTALL NEW SIGN BELOW STRUGIS RD.
	254+00	48	8	D3-3	WESTBOUND	NO	N/A	2.7	IV	NO	-	-	-	-	CHIMNEY CANYON RD	INSTALL NEW SIGN ON BACKSIDE OF CHIMENY CANYON RD
	254+00	30	30	R1-1	EASTBOUND	NO	N/A	6.3	XI	NO	-	-	-	-	STOP	INSTALL NEW SIGN ON THE BOTTOM OF STREET SIGNS
	254+00	24	12	W4-4P	EASTBOUND	FLAT ALUM	N/A	2.0	IV	NO	-	-	-	-	CROSS TRAFFIC DOES NOT STOP	INSTALL NEW SIGN UNDER STOP SIGN
	254+66	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL			-	-	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	254+66	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL			-	-	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	255+50	24	30	R2-1	EASTBOUND	FLAT ALUM	N/A	5.0	IV	YES	10.0	2.0	1	-	SPEED LIMIT-35	INSTALL NEW SIGN ON NEW POST
44.665	256+50	36	12	AAH	EASTBOUND	NO	-	-	-	NO	-	-	-	-	ADOPT-A-HIGHWAY	INSTALL NEW SIGN & POSTS FROM OLD ALIGNMENT
44.665	256+50	30	30	AAH	EASTBOUND	NO	-	-	-	NO	-	-	-	-	PIEDMONT VALLEY LIONS CLUB	INSTALL NEW SIGN UNDER ADOPT A HIGHWAY FROM OLD ALIGNMENT
44.665	256+50	30	30	AD-7	EASTBOUND	NO	-	-	-	NO	-	-	-	-	LITTER CREW	RESET EXISTING SIGN FROM OLD ALIGNMENT UNDER LIONS CLUB ON LEFT POST
	270+61	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL			-	-	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	283+33	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL			-	-	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST
	284+05	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL			-	-	TYPE II OBJECT MARKER	INSTALL NEW ON NEW POST

**PERMANENT SIGNING- 190 Service Road Southside (Westbound New Alignment)**

	128+80	30	30	R1-1	SOUTHBOUND	FLAT ALUM	-	6.3	XI	YES	10.0	2.0	1	-	STOP	INSTALL NEW SIGN & POST
	239+00	48	24	W1-7	NORTHBOUND	FLAT ALUM	N/A	8.0	XI	YES	10.0	2.0	2	-	TWO-DIRECTION LARGE ARROW	INSTALL NEW SIGN ON NEW POSTS
44.557	252+00	36	30	AAH	EASTBOUND	NO	N/A	-	-	NO	-	-	-	-	ADOPT-A-HIGHWAY	INSTALL NEW SIGN & POSTS FROM OLD ALIGNMENT
44.557	252+00	36	12	AAH	EASTBOUND	NO	N/A	-	-	NO	-	-	-	-	PLEASANT VALLEY 4-H	INSTALL NEW SIGN UNDER ADOPT A HIGHWAY FROM OLD ALIGNMENT
44.557	252+00	30	30	AD-7	EASTBOUND	NO	N/A	-	-	NO	-	-	-	-	LITTER CREW	RESET EXISTING SIGN FROM OLD ALIGNMENT UNDER PLEASANT VALLEY ON LEFT POST
	253+00	24	30	R2-1	EASTBOUND	FLAT ALUM	-	5.0	IV	YES	8.0	2.0	1	-	SPEED LIMIT-45	INSTALL NEW SIGN & POST
44.648	254+00	52	32	D1-2	SOUTHBOUND	NO	N/A	-	-	NO	-	-	-	-	PIEDMONT/BETHLEHEM RD	RESET ON NEW ALIGNMENT 150' NORTH OF 240+00 STOP SIGN
	254+52	36	8	D3-3	NORTHBOUND	FLAT ALUM	N/A	2.0	IV	YES	12.0	2.0	2	-	STURGIS RD	INSTALL NEW SIGN ON NEW POST
	254+52	36	8	D3-3	SOUTHBOUND	FLAT ALUM	N/A	2.0	IV	NO	-	-	-	-	STURGIS RD	INSTALL NEW SIGN ON BACK SIDE OF STURGIS RD
44.640	254+52	30	18	D3-3	EASTBOUND	NO	N/A	-	-	NO	-	-	-	-	DEERVIEW RD	RESET EXISTING SIGN BELOW STRUGIS RD.
44.640	254+52	30	18	D3-3	WESTBOUND	NO	N/A	-	-	NO	-	-	-	-	DEERVIEW RD	RESET EXISTING SING ON BACKSIDE OF DEERVIEW RD
	254+52	30	30	R1-1	WESTBOUND	FLAT ALUM	N/A	6.3	XI	YES	10.0	2.0	1	-	STOP	INSTALL NEW SIGN ON THE BOTTOM OF STREET SIGNS
	254+52	24	12	W4-4P	WESTBOUND	FLAT ALUM	N/A	2.0	IV	NO	-	-	-	-	CROSS TRAFFIC DOES NOT STOP	INSTALL NEW SIGN UNDER STOP SIGN
44.720	257+00	24	24	M1-1	WESTBOUND	FLAT ALUM	N/A	4.0	IV	YES	14.0	2.0	2	-	INTERSTATE ROUTE 90	INSTALL NEW SIGN ON NEW POSTS
44.720	257+00	24	24	M1-4	WESTBOUND	FLAT ALUM	N/A	4.0	IV	NO	-	-	-	-	US ROUTE 14	INSTALL NEW SIGN BELOW 90 SHIELD ON LEFT SIDE
44.720	257+00	24	24	M1-5	WESTBOUND	FLAT ALUM	N/A	4.0	IV	NO	-	-	-	-	STATE ROUTE 79	INSTALL NEW SIGN BELOW 90 SHIELD ON RIGHT SIDE
44.720	257+00	21	15	M5-1	WESTBOUND	FLAT ALUM	N/A	2.2	IV	NO	-	-	-	-	DIRECTIONAL ARROW	INSTALL NEW SIGN
	263+00	30	30	W3-1	EASTBOUND	FLAT ALUM	N/A	6.3	XI	YES	10.0	2.0	1	-	STOP AHEAD	INSTALL NEW SIGN ON NEW POST
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6	XI	YES	10.0	2.0	1	-	NO PASS ZONE	INSTALL NEW SIGN AND POST(LOCATION WILL BE DETERMINED AFTER NO-PASS ZONE CHECK
		48	36	W14-3	WESTBOUND	FLAT ALUM	N/A	5.6								

Plotting Date: 03/20/2014

**PERMANENT SIGNING- I90 Service Road Northside (East & Westbound Old Alignment)**

MILEPOST OLD ALIGNMENT	NEW STA. (APPROX.)	SIGN								POST					DESCRIPTION	REMARKS
		Width (in)	Height (in)	Number	Facing Traffic	New Sign	Remove Existing	Square Footage	Sheeting Type	New Post	Length (ft)	Size (in)	#	Shear Slip Base		
44.655		30	30	R1-1	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
44.655 LT		30	30	R1-1	WESTBOUND	NO	YES	-	-	NO	-	-	-	-	STOP	SALVAGE EXISTING SIGN & POST
40.267		24	30	R2-1	EASTBOUND	NO	YES	-	-	NO	-	-	-	-	SPEED LIMIT-35	SALVAGE EXISTING SIGN & POST

**PERMANENT SIGNING- I90 Service Road Northside (East & Westbound New Alignment)**

510+28	30	30	R1-1	WESTBOUND	FLAT ALUM	NO	6.3	XI	YES	10.0	2.0	1	-	STOP	INSTALL NEW SIGN ON NEW POST
511+00	24	30	R2-1	EASTBOUND	FLAT ALUM	YES	5.0	IV	YES	10.0	2.0	1	-	SPEED LIMIT-35	INSTALL NEW SIGN ON NEW POST
514+00	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
514+00	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
521+10 LT	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
521+36 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
527+00	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
527+00	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON BACKSIDE			
527+00 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
527+60	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
527+60	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON BACKSIDE			
527+60 LT	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
529+88	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
529+88	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON BACKSIDE			
546+61	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
546+74	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON BACKSIDE			
546+87	6	12	OM2-2V	WESTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON NEW POST			
547+00	6	12	OM2-2V	EASTBOUND	YES	N/A	EACH	-	INCIDENTAL	TYPE II OBJECT MARKER		INSTALL NEW ON BACKSIDE			

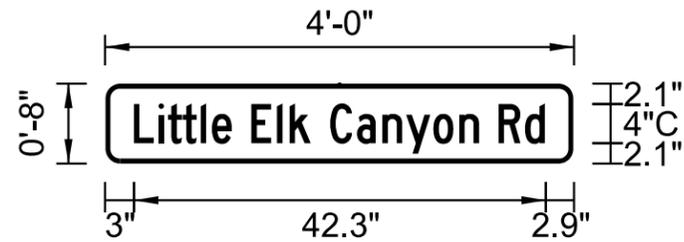
Plot Scale - 1:200

Plotted From - trcs11628

File - ...101KK\_SectionNotes table border.dgn

# Street Sign Design

SIGN DETAIL  
1:12



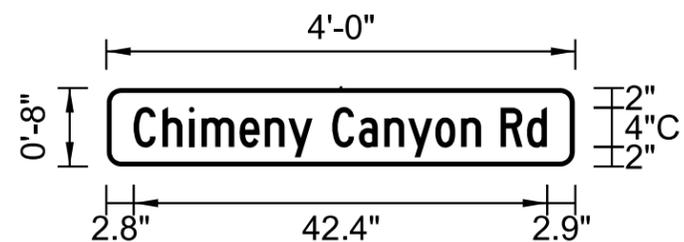
SIGN NUMBER	Little Elk Canyon Rd
WIDTH x HGHT.	4'-0" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV COLOR: Green
LEGEND/BORDER	TYPE: Non-Reflective COLOR: White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street Name 6-4in.ssi  
Dimensions are in Inches,tenths M.U.T.C.D.: 2009 Edition Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																	LENGTH	SERIES SIZE			
L	i	t	t	l	e	E	l	k		C	a	n	y	o	n	R	d		C 2000		
2.9	5.5	6.4	7.9	9.8	10.9	13	15	17.6	18.9	21.1	23.1	25.8	28.4	30.9	33.7	36.3	38.3	40.3	43.1	42.2	43

SIGN DETAIL  
1:12



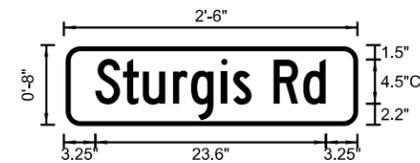
SIGN NUMBER	Chimney Canyon Rd
WIDTH x HGHT.	4'-0" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV COLOR: Green
LEGEND/BORDER	TYPE: Non-Reflective COLOR: White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street Name 6-4in.ssi  
Dimensions are in Inches,tenths M.U.T.C.D.: 2009 Edition Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																	LENGTH	SERIES SIZE	
C	h	l	m	e	y	C	a	n	y	o	n		R	d				C 2000	
2.8	5.8	8.5	9.8	13.7	16.2	18.7	21.2	23.2	25.9	28.5	31	33.8	36.4	38.4	40.4	43.2		42.4	43

SIGN DETAIL  
1:12



SIGN NUMBER	Sturgis Rd
WIDTH x HGHT.	2'-6" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV COLOR: Green
LEGEND/BORDER	TYPE: Non-Reflective COLOR: White

SYMBOL	ROT	X	Y	WID	HT

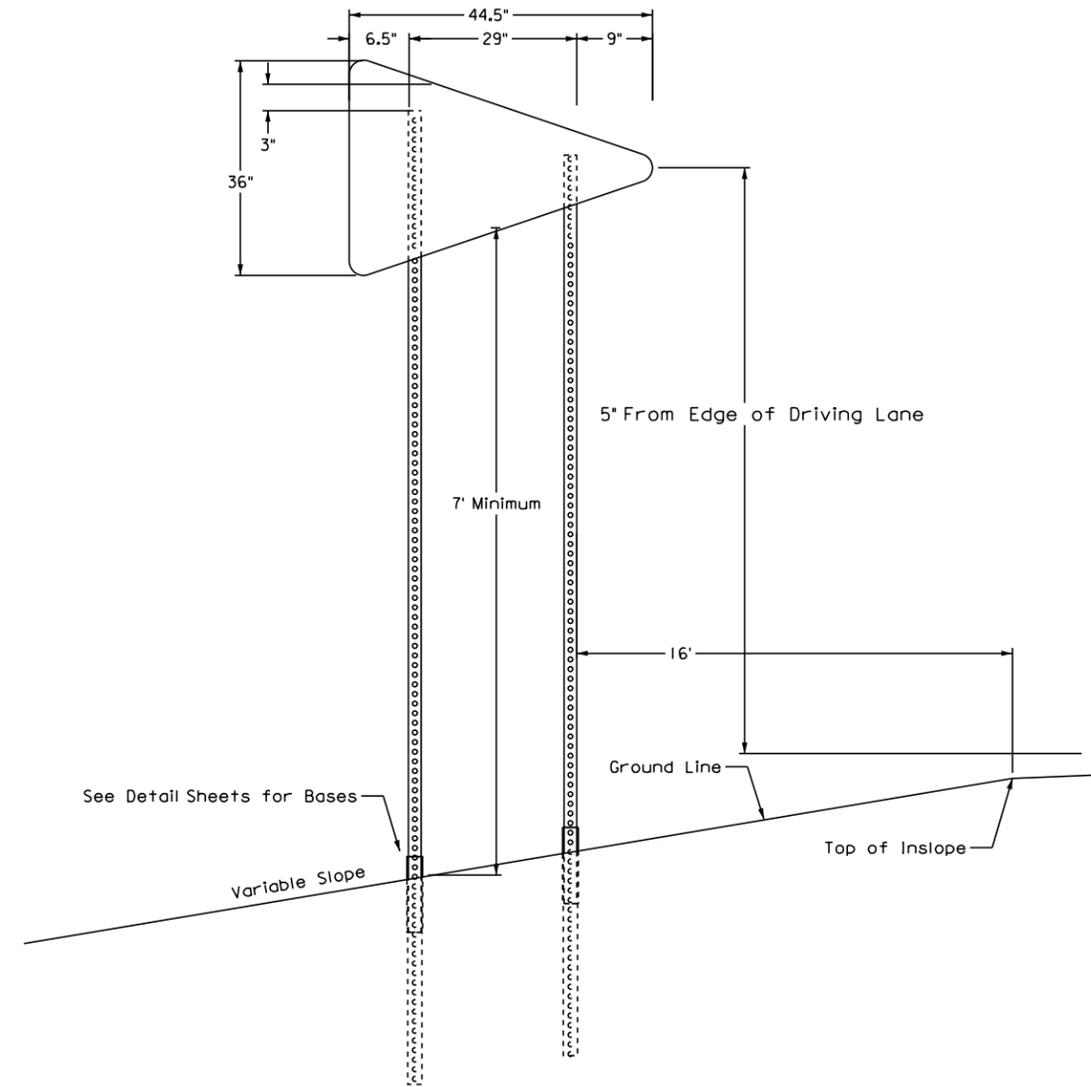
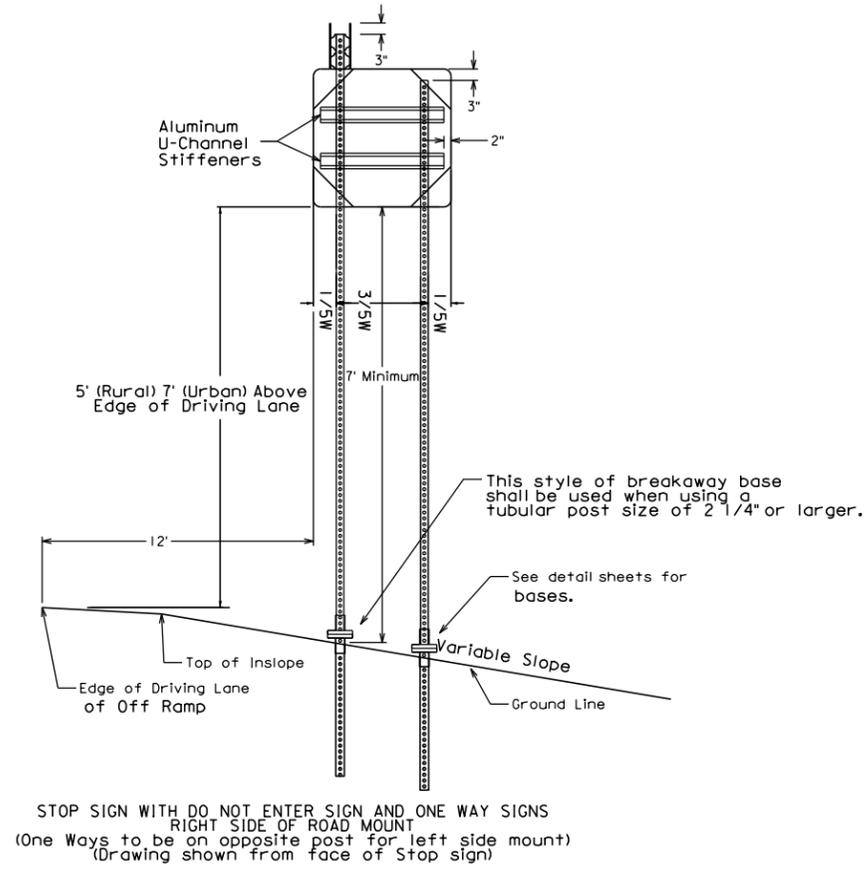
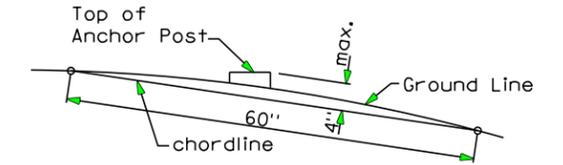
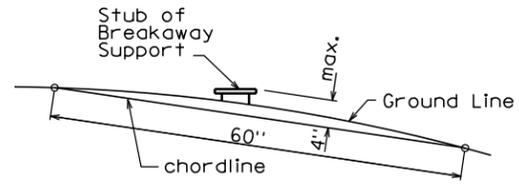
Panel Style: Street Name 6-4in.ssi  
Dimensions are in inches,tenths M.U.T.C.D.: 2009 Edition Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																	LENGTH	SERIES SIZE	
S	t	u	r	g	i	s		R	d									C 2000	
3.2	6.1	8.1	11.2	13.1	16.2	17.4	19.3	21.5	24.6									23.6	4.5/3.4

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	IM 0901(148)40	S12	S20

Plotting Date: 03/20/2014

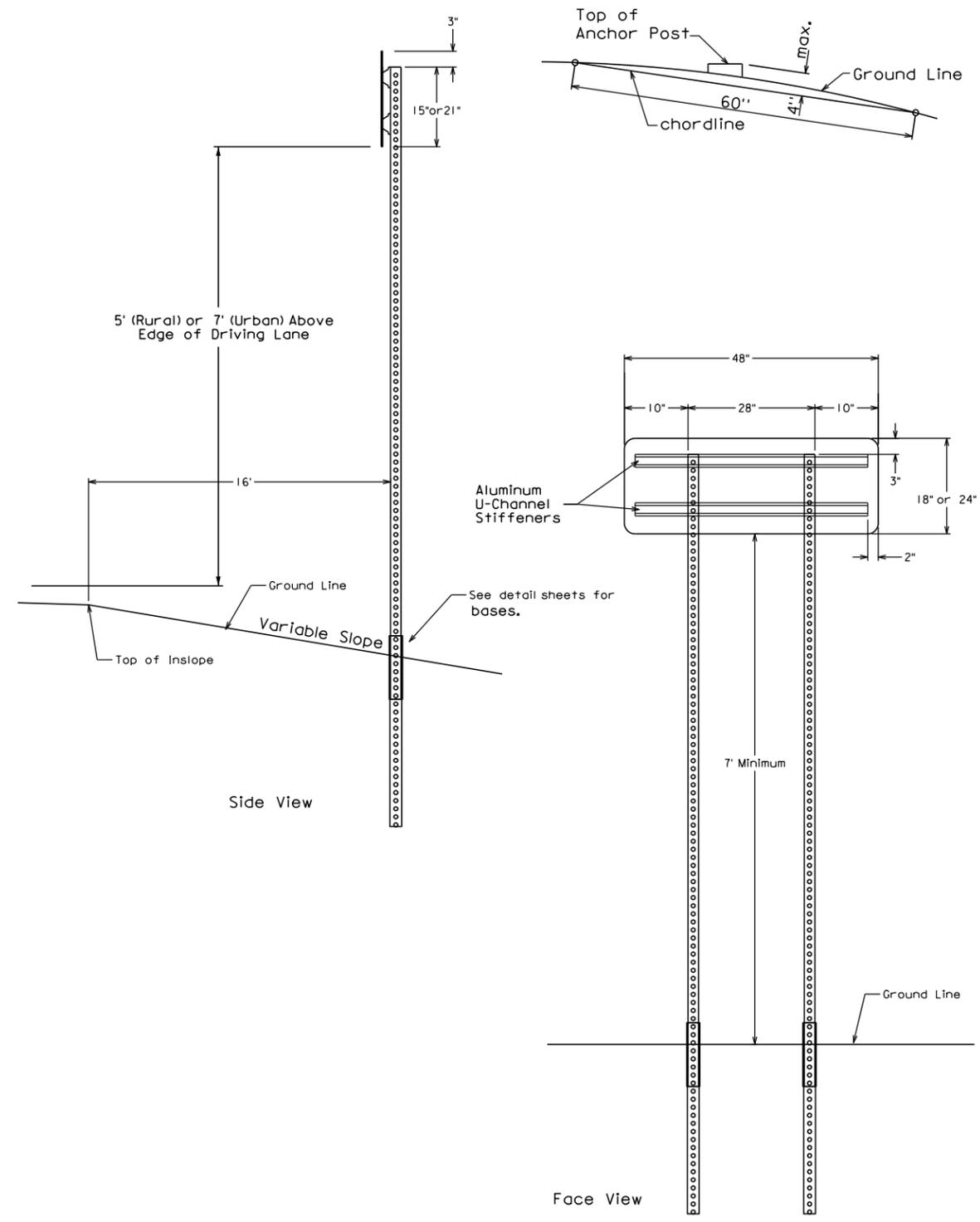
Plot Scale - 1:200



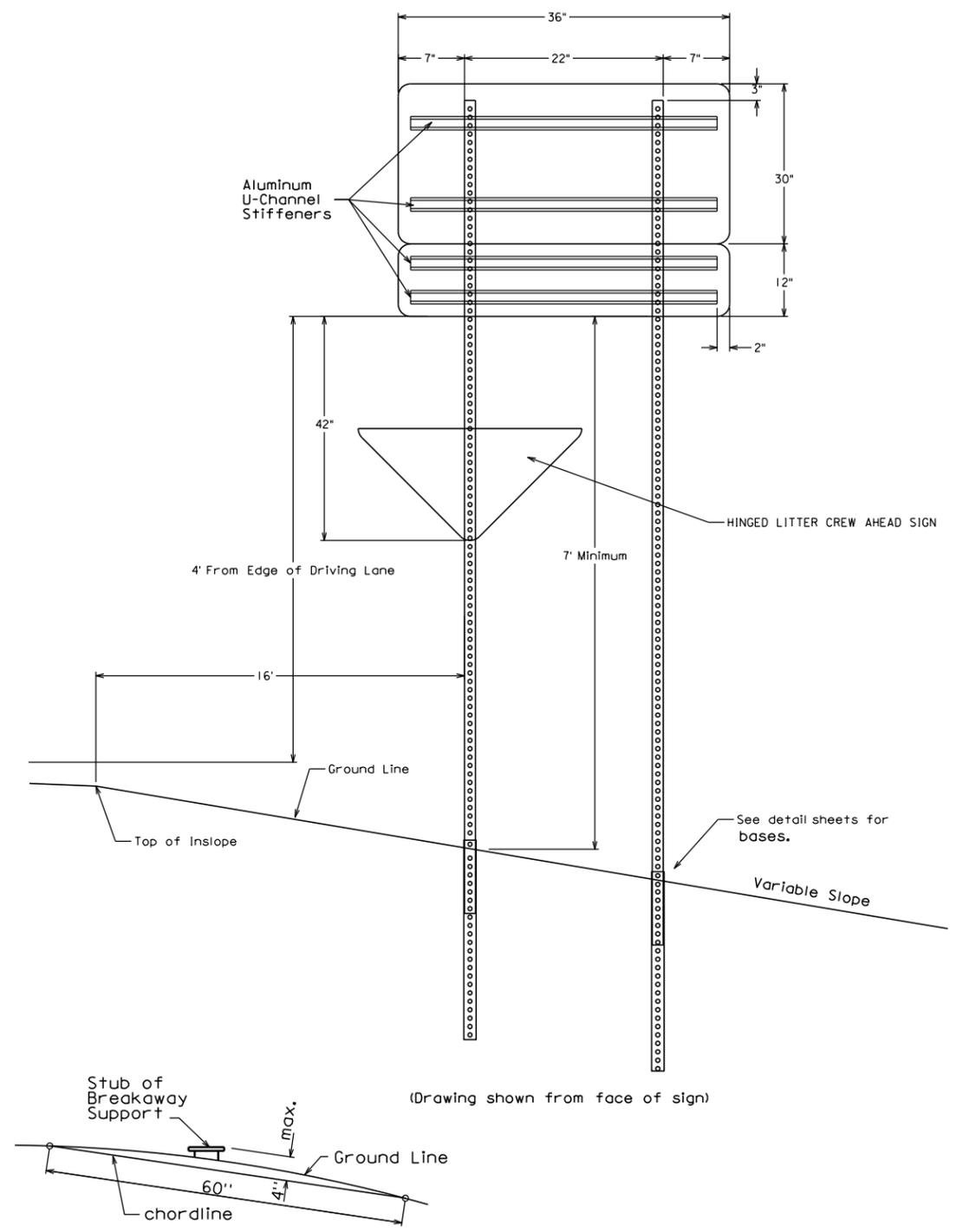
**TYPICAL ERECTION DETAILS FOR  
NO PASSING ZONE PENNANT**

Plotted From - trcs11628

Plot Scale - 1:200



**TYPICAL ERECTION DETAILS FOR  
ONE WAY SIGN OR LARGE ARROW SIGN**



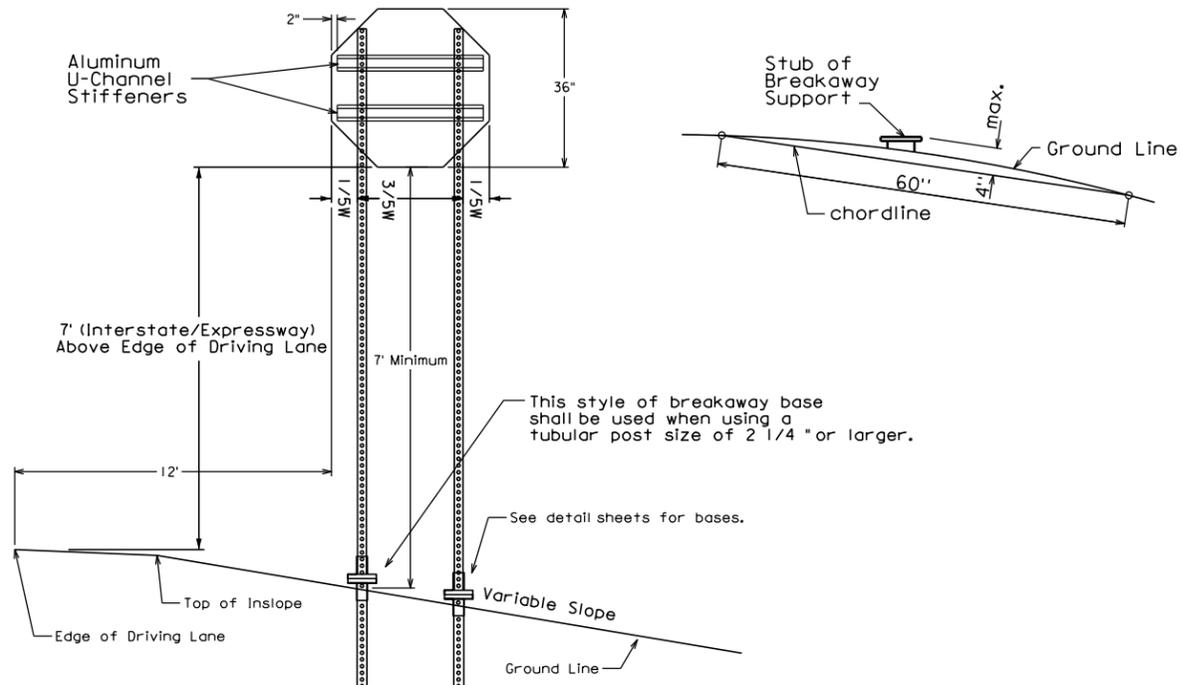
**TYPICAL ERECTION DETAILS FOR  
ADOPT-A-HIGHWAY SIGN WITH CLUB SIGN  
AND LITTER CREW SIGN**

Plotted From - trcs11628

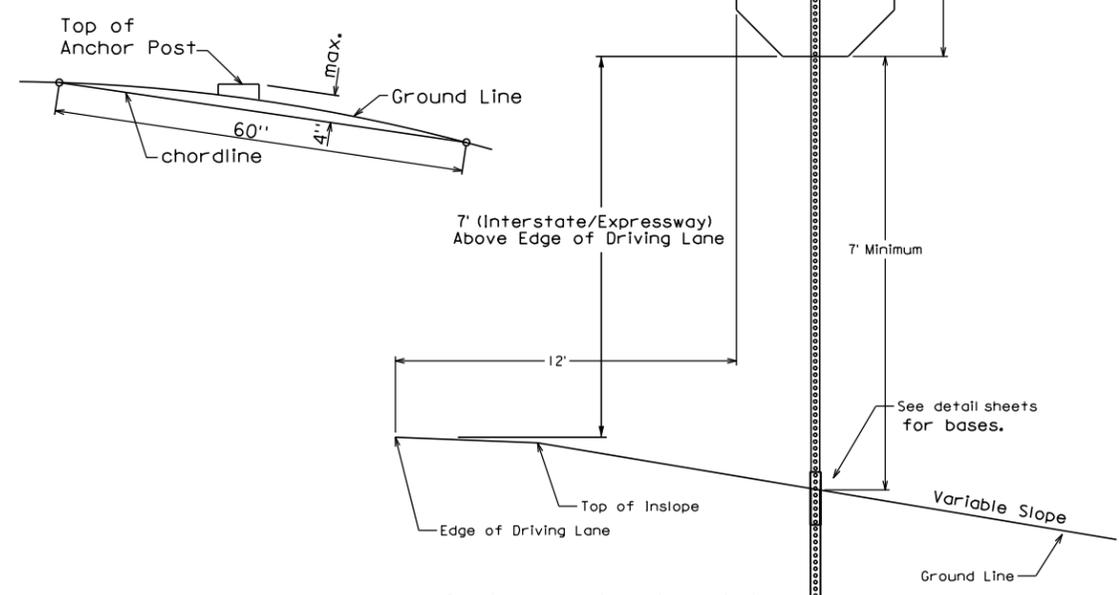
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Plot Scale - 1:200

Plotted From - trcs11628

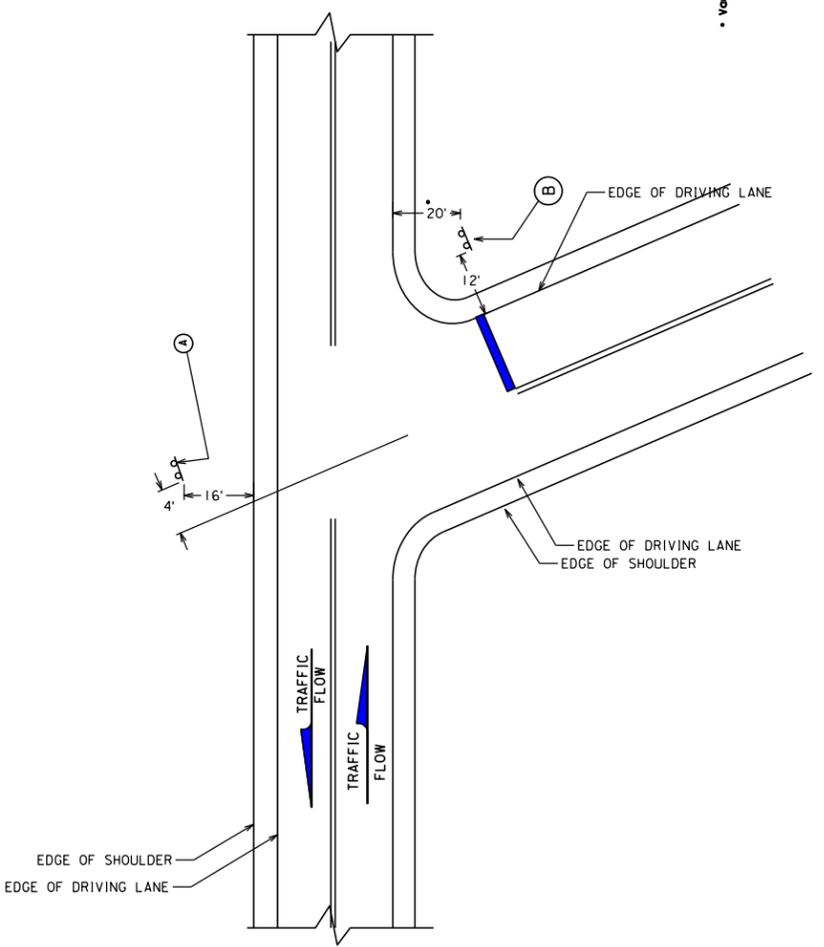
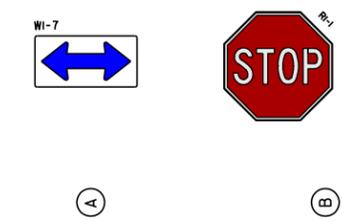
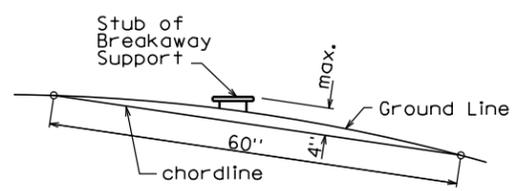


(Drawing shown from face of sign)  
**TWO-POST ASSEMBLY**



(Drawing shown from face of sign)  
**SINGLE-POST ASSEMBLY**

**TYPICAL ERECTION DETAILS FOR STOP SIGNS**

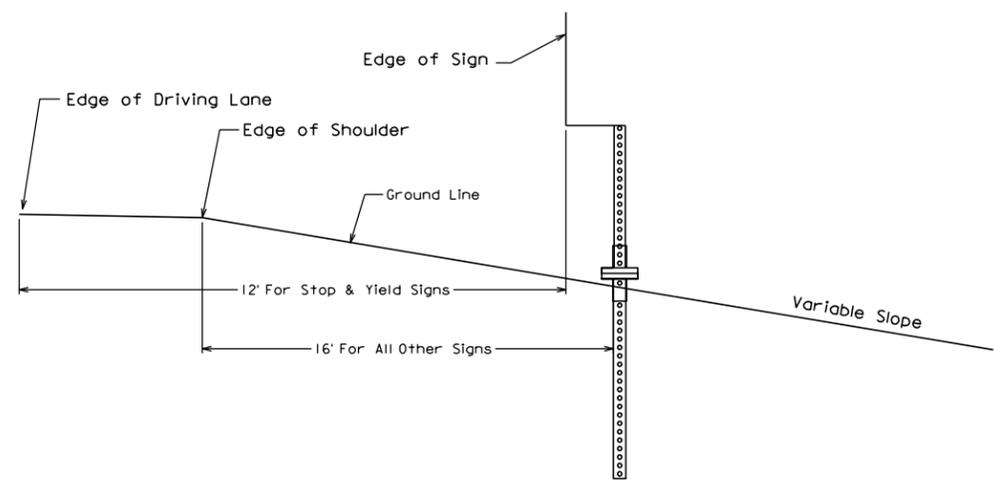
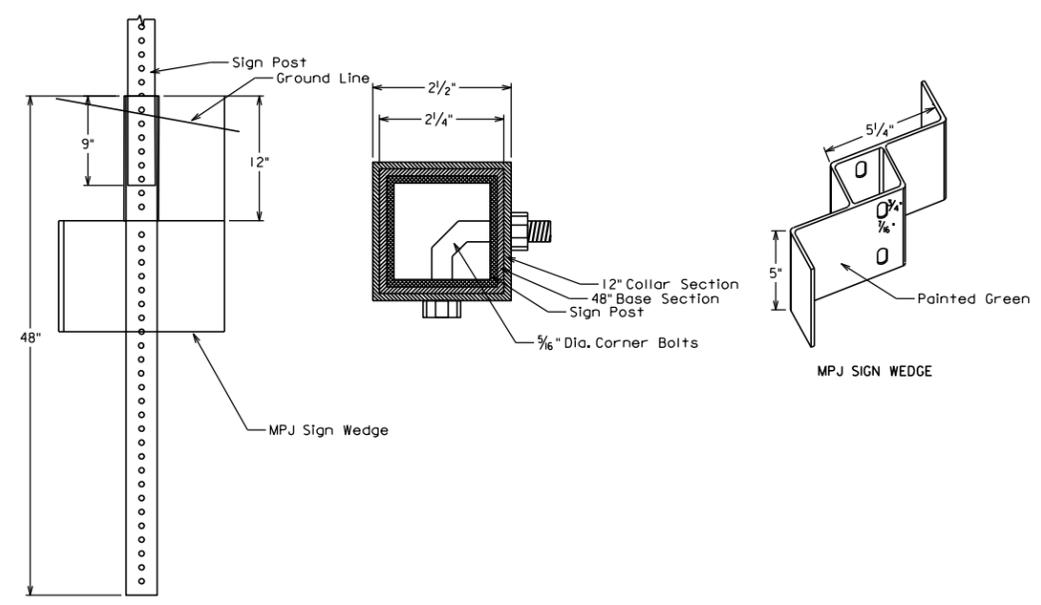


**TYPICAL SIGN LAYOUT FOR  
HIGHWAYS WITH IMPROVED  
SIDEROAD AT ACUTE ANGLE**

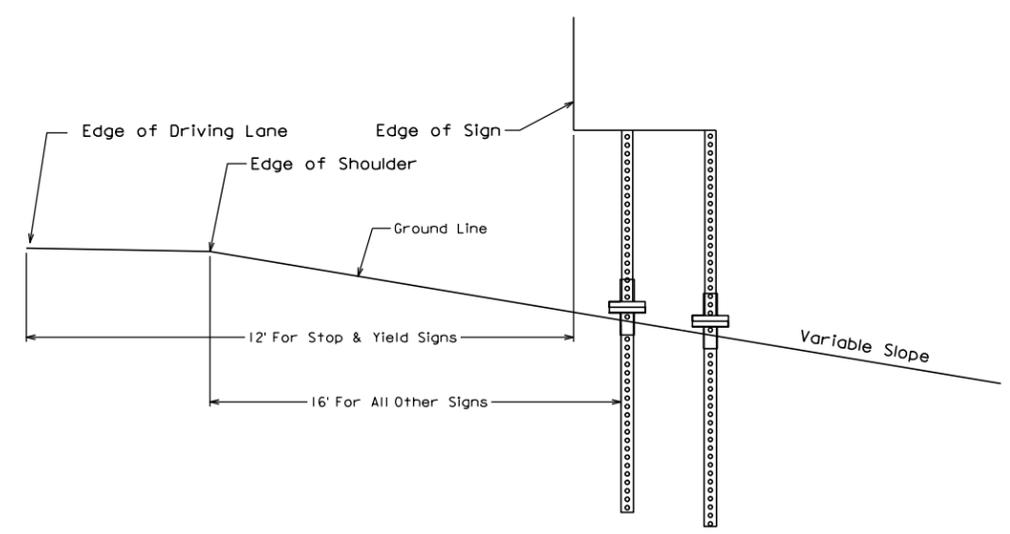
Plot Scale - 1:200

Plotted From - trcs11628

SIGN BASE DETAILS FOR A 2" SIGN POST



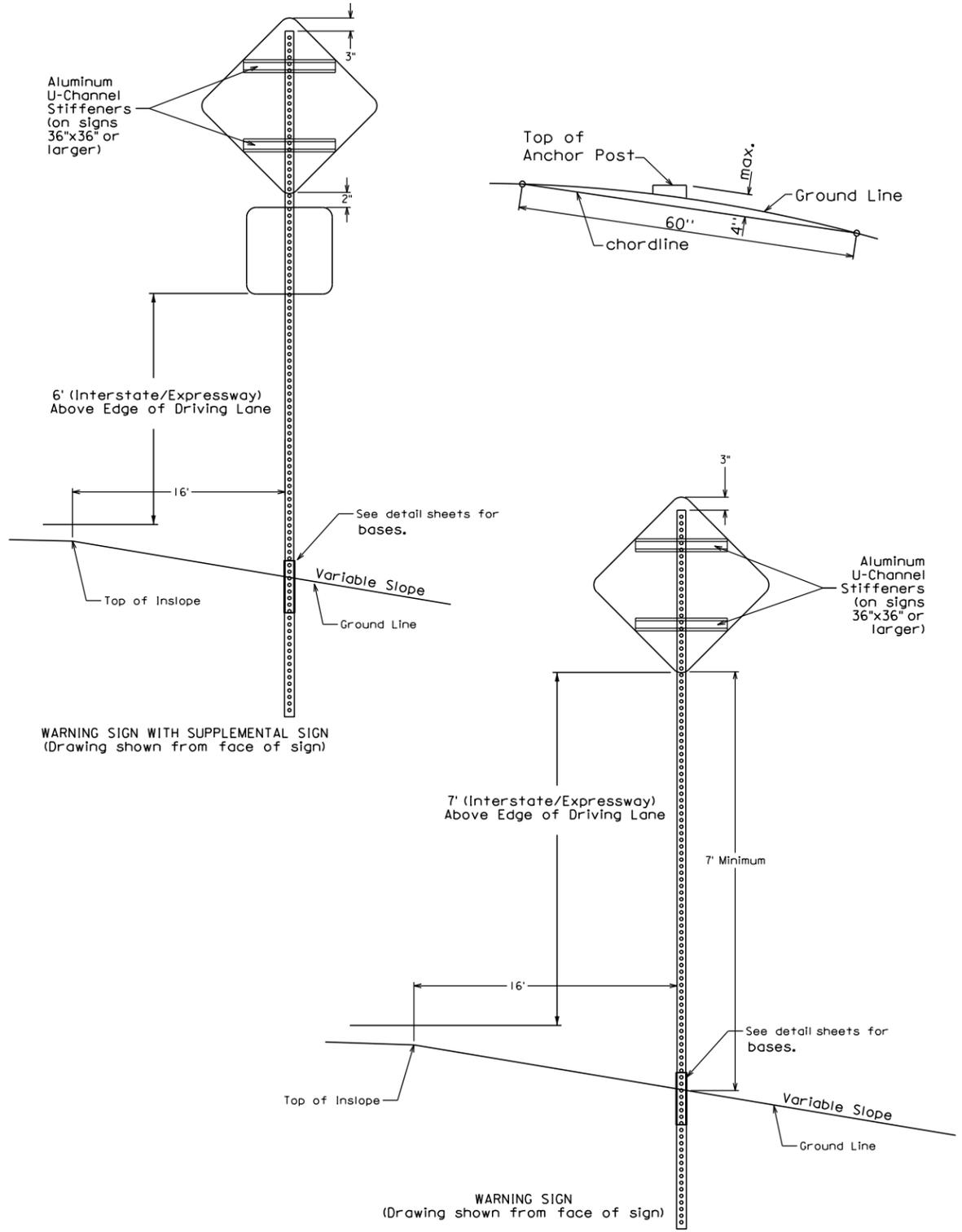
RURAL LOCATION WITH 1 POST  
(Drawing shown from face of sign)



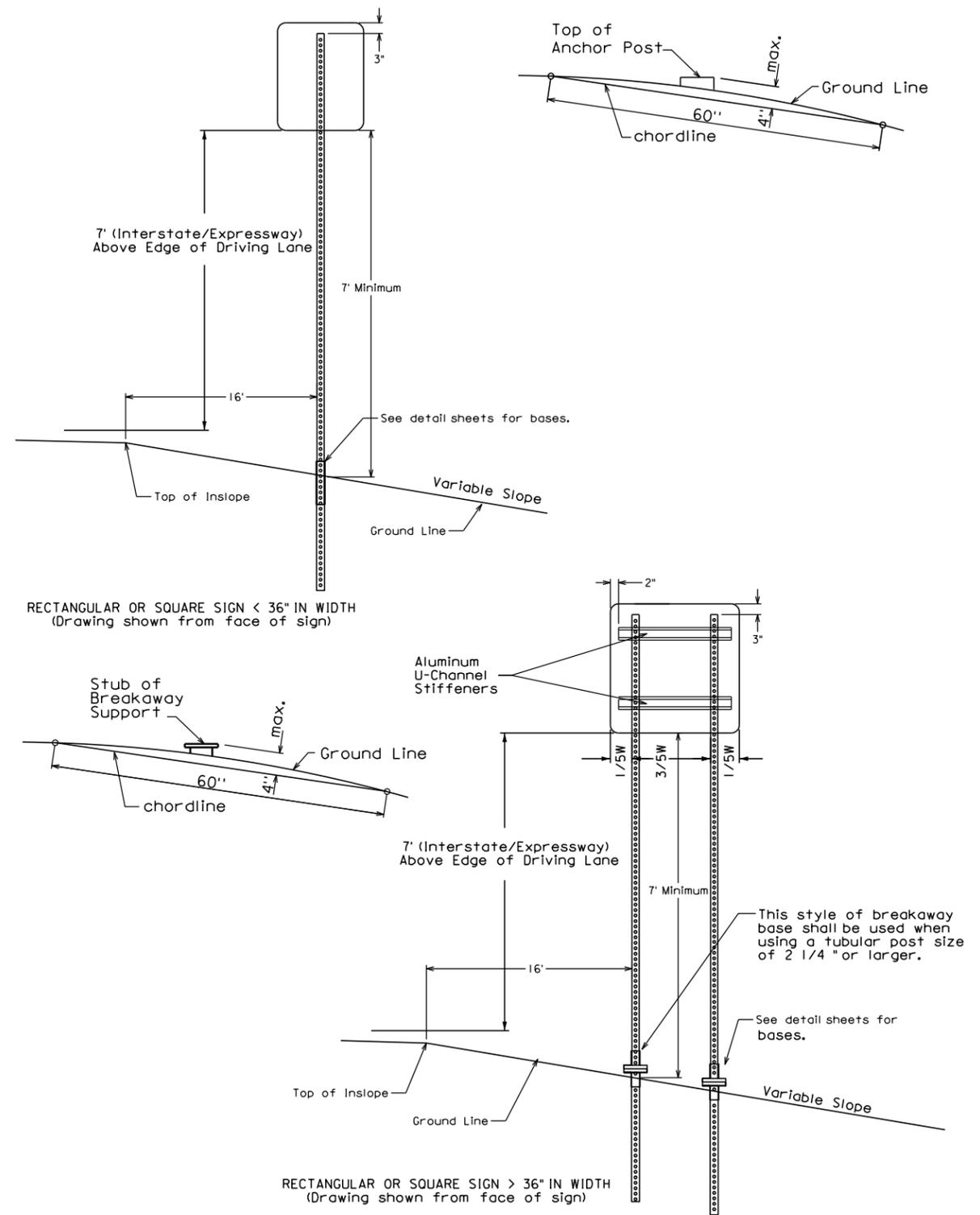
RURAL LOCATION WITH 2 POSTS  
(Drawing shown from face of sign)

**LATERAL LOCATION FOR  
RURAL SIGNS**

Plot Scale - 1:200



TYPICAL ERECTION DETAILS FOR WARNING SIGNS

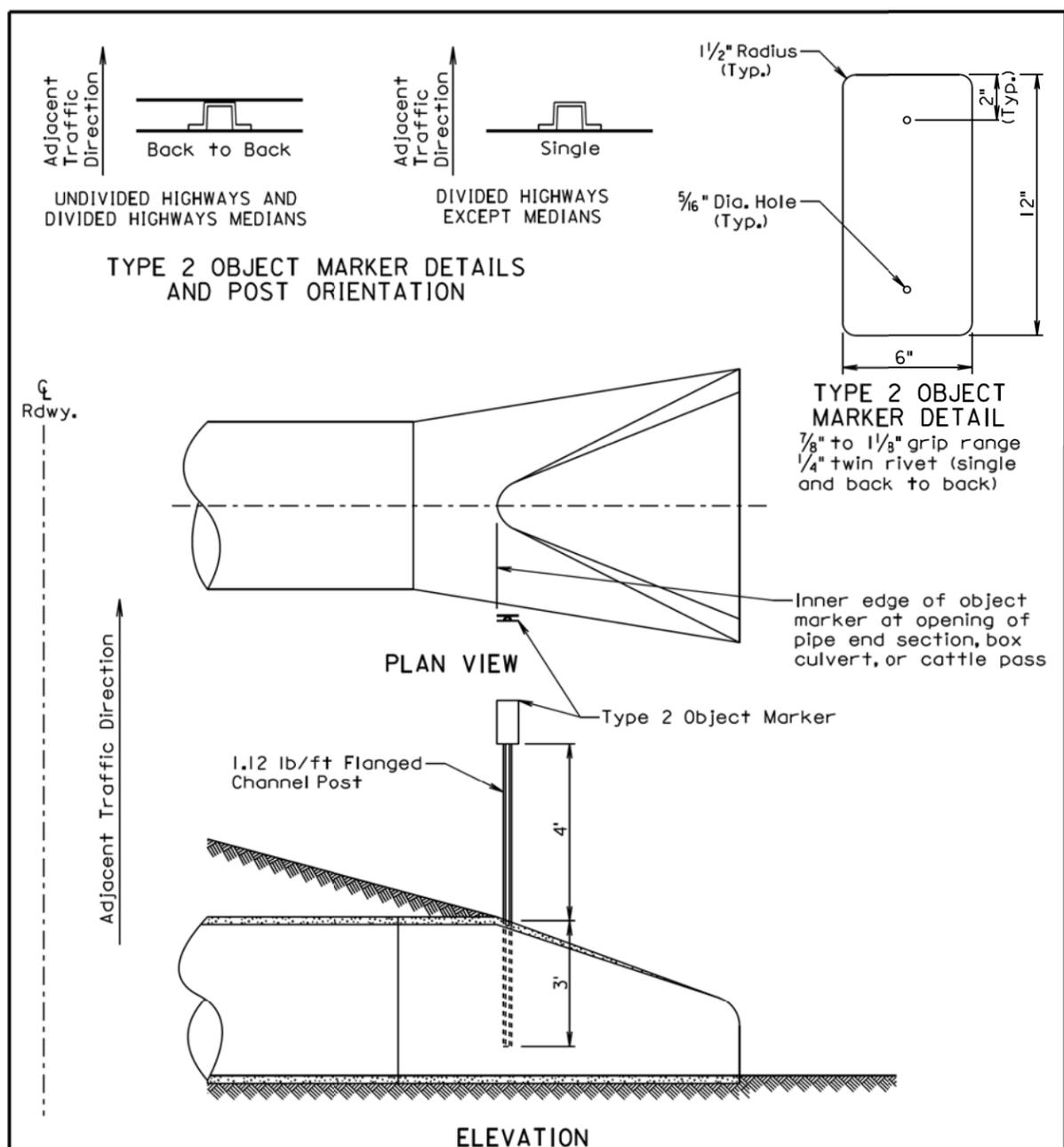


TYPICAL ERECTION DETAILS FOR SQUARE OR RECTANGULAR SIGNS

Plotted From - trrc11628

PLOT SCALE - 1:200

PLOT NAME - 17



**GENERAL NOTES:**

The type 2 object markers shall conform to Standard Specifications Section 982.2 I.

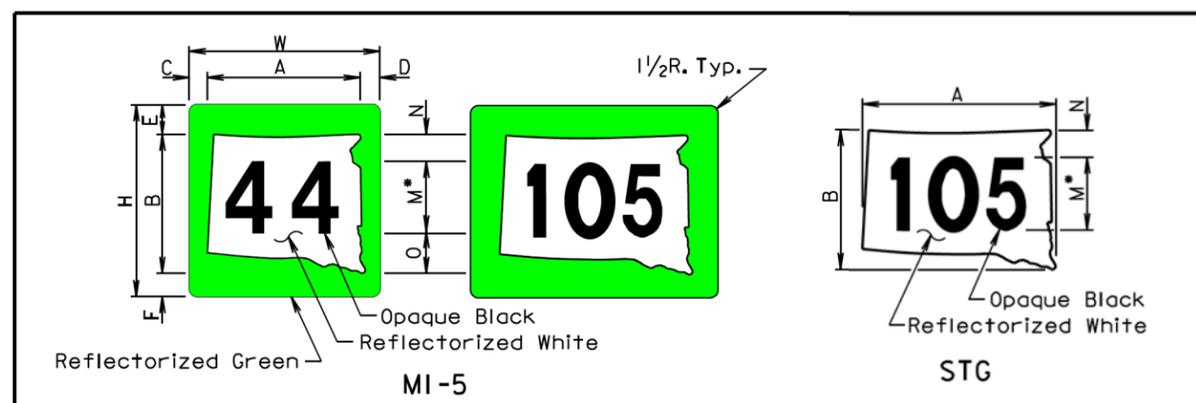
The 1.12 lb/ft flanged channel post shall conform to Standard Specifications Section 982.2 I. 6.

Payment for the type 2 object markers shall be in conformance with Standard Specification Section 632.5 C.

June 26, 2006

<b>S D D O T</b>	<b>TYPE 2 OBJECT MARKER INSTALLATION AT PIPE CULVERTS, BOX CULVERTS, AND CATTLE PASSES</b>	PLATE NUMBER 632.10
		Sheet 1 of 1

Published Date: 1st Qtr. 2014

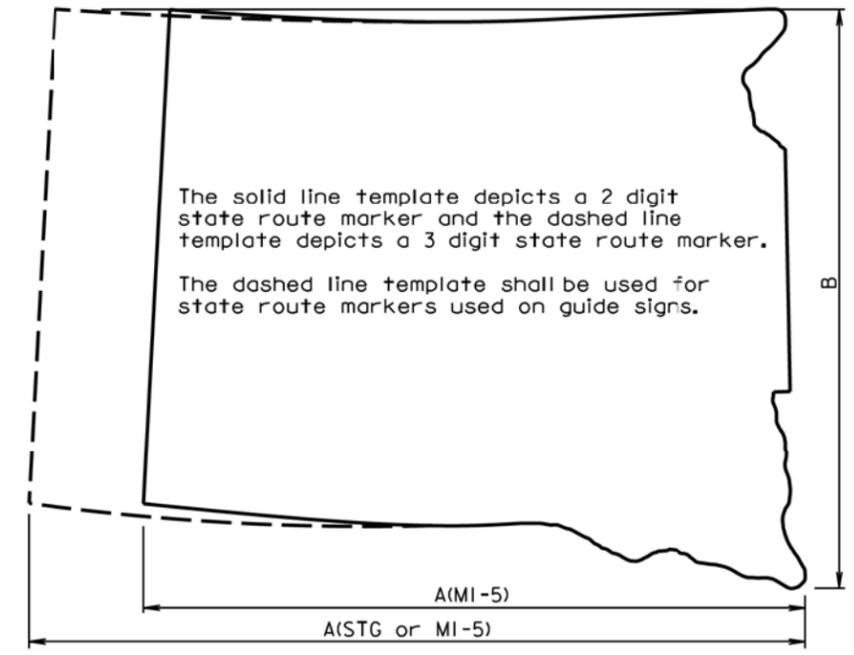


SIGN CODE	WxH	A	B	C	D	E	F	M*	N	O
MI-5	24x24	20 1/2	18	2	1 1/2	3 1/2	2 1/2	12D	2	4
MI-5**	30x24	24	18	2 1/4	1 3/4	3 1/2	2 1/2	12D	2	4
MI-5	30x30	25 5/8	22 1/2	2 1/2	1 7/8	4 3/8	3 1/8	15D	2 1/2	5
MI-5	36x36	30 3/4	27	3	2 1/4	5 1/4	3 3/4	18D	3	6

SIGN CODE	AxB	M*	N
STG-24	24x18	10D	4
STG-32	32x24	12D	4 3/4
STG-48	48x36	18D	7
STG-64	64x48	24D	9 1/2

\*In the few cases where there is not enough space for the numerals, the standard "D" series font may be replaced with "C" series font if approved by the Engineer.

\*\* 3 Digits



**TEMPLATE FOR STATE ROUTE MARKER**

**GENERAL NOTES:**

The unit for all dimensions shown is inches.

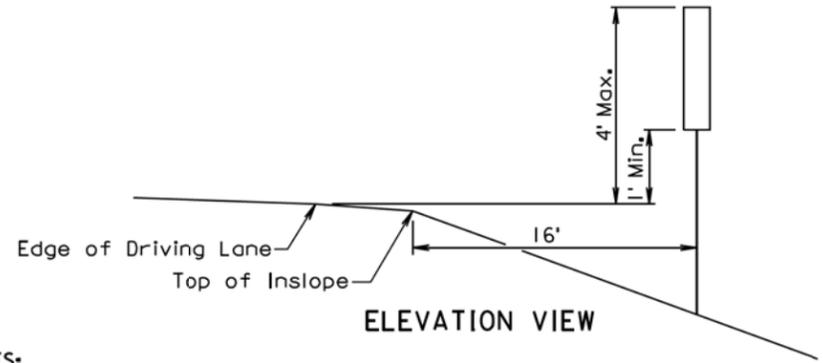
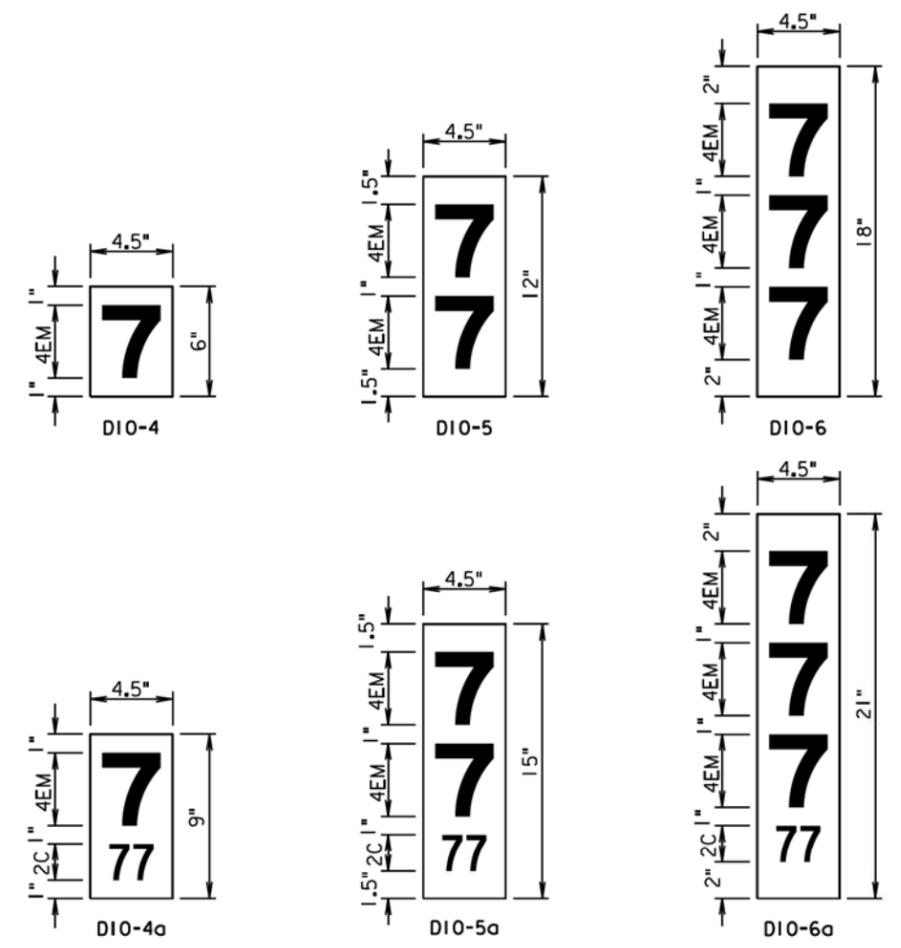
Numerals shall be "D" series font for all state route markers except as noted above.

December 23, 2003

<b>S D D O T</b>	<b>STATE ROUTE MARKERS</b>	PLATE NUMBER 632.20
		Sheet 1 of 1

Published Date: 1st Qtr. 2014

Plotting Date: 03/20/2014



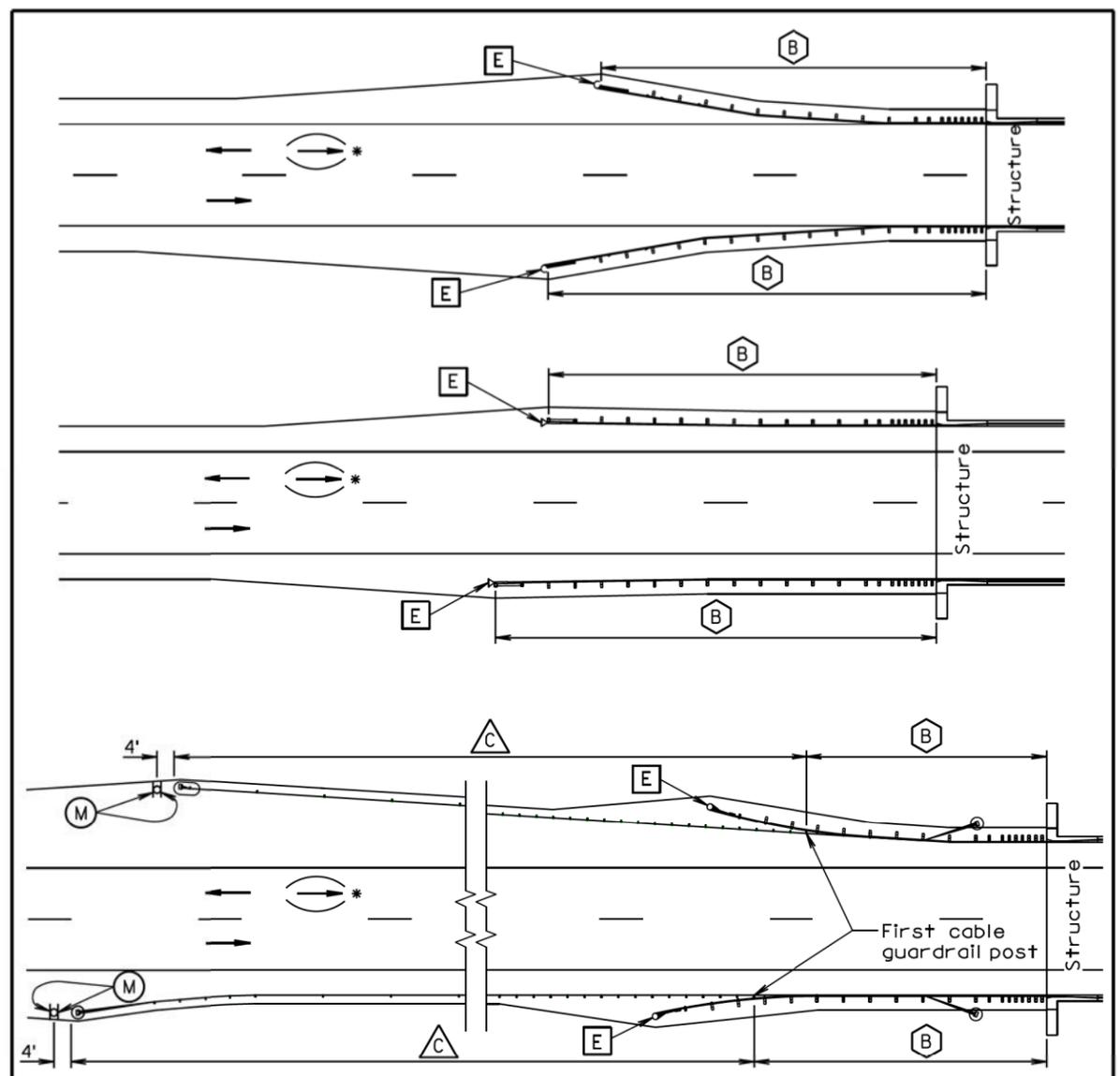
**GENERAL NOTES:**

- Background shall be high intensity green.
- Legend shall be high intensity white.
- Signs shall have squared corners with no border.
- Sign locations shall be staked by the Engineer.

December 23, 2003

<b>S D D O T</b>	<b>NON-INTERSTATE MILEAGE REFERENCE MARKERS</b>	PLATE NUMBER <b>632.30</b>
		Sheet 1 of 1

Published Date: 1st Qtr. 2014



**TYPICAL GUARDRAIL LAYOUTS**

- B Steel Beam Guardrail Delineation
- E Guardrail Terminal End Object Marker
- C 3 Cable Guardrail Delineation
- M Type 2 Object Marker

\* For two-way traffic, install delineation at the opposite end of structure the same as shown. Back-to-back delineation is required for two-way traffic, single-sided delineation for one-way traffic.

June 26, 2011

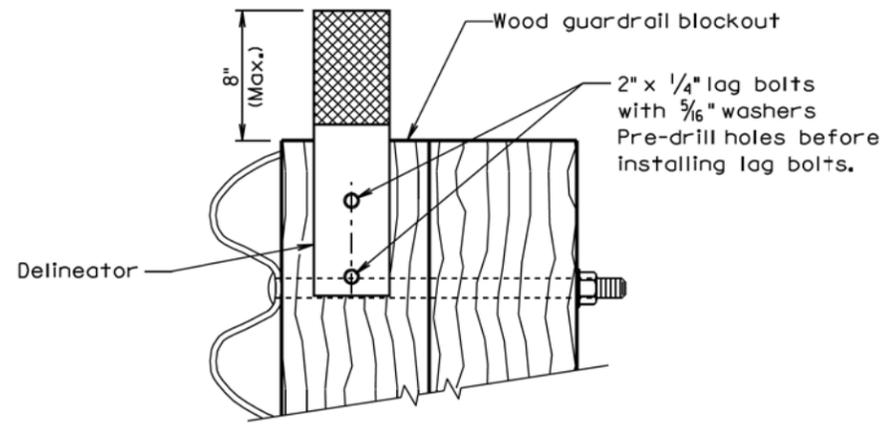
<b>S D D O T</b>	<b>DELINEATION OF GUARDRAIL AT BRIDGES</b>	PLATE NUMBER <b>632.40</b>
		Sheet 1 of 4

Published Date: 1st Qtr. 2014

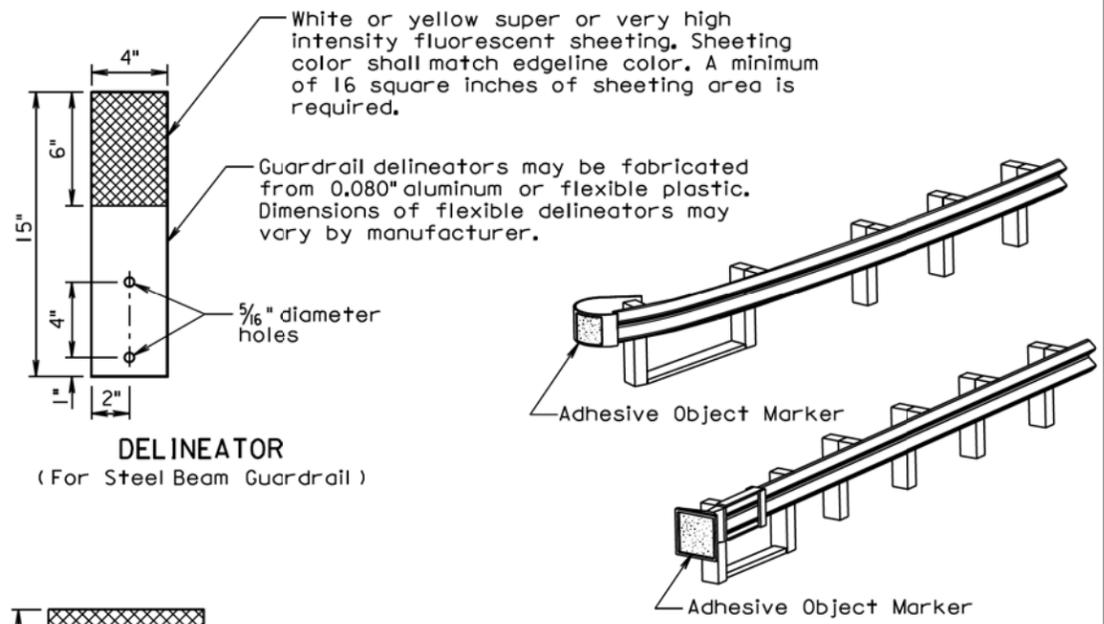
PLOT SCALE - 1:200

PLOT NAME - 19

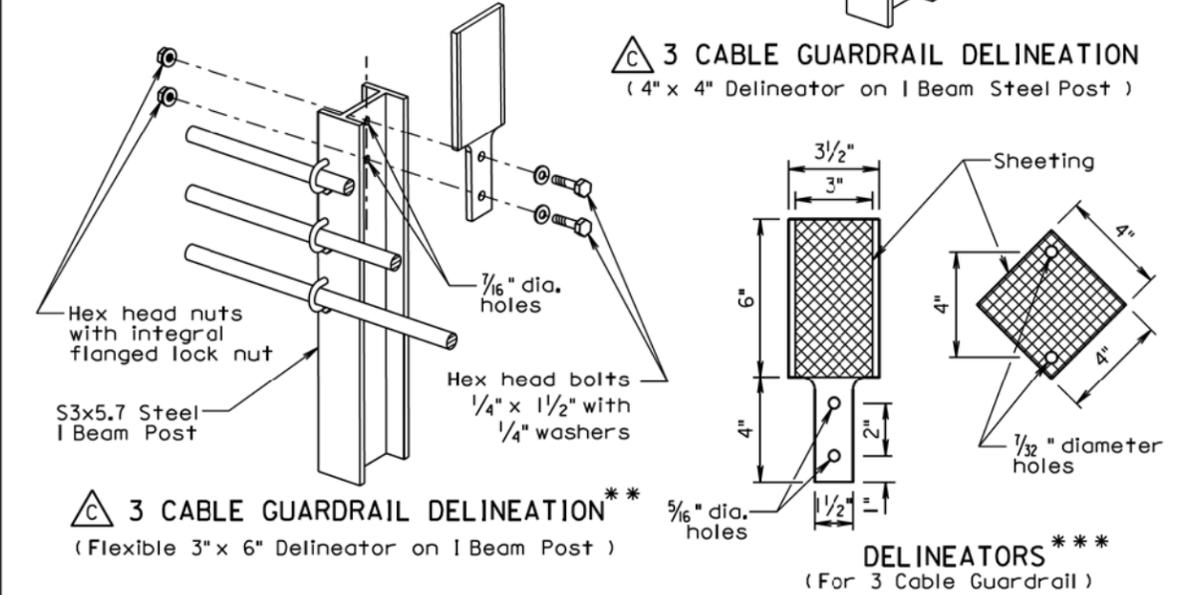
FILE - ... \01KK-SECT IONS\STPLATES.DGN



**B STEEL BEAM GUARDRAIL DELINEATION**



**C 3 CABLE GUARDRAIL DELINEATION**  
( 4" x 4" Delineator on Flanged Channel Steel Post )



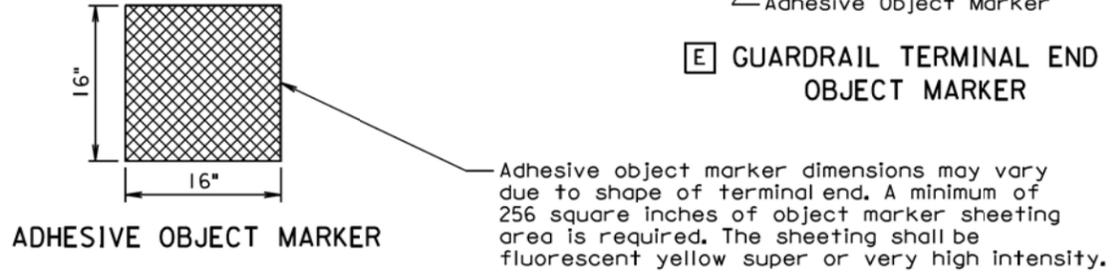
**C 3 CABLE GUARDRAIL DELINEATION**  
( 4" x 4" Delineator on I Beam Steel Post )

**C 3 CABLE GUARDRAIL DELINEATION\*\***  
( Flexible 3" x 6" Delineator on I Beam Post )

**DELINEATORS\*\*\***  
( For 3 Cable Guardrail )

\*\* Flexible delineators may be attached to post with manufacturer approved adhesive instead of bolts.

\*\*\* Dimensions of flexible delineators may vary by manufacturer. A minimum of 16 square inches of sheeting area is required. The sheeting shall be white or yellow super or very high intensity fluorescent sheeting. The sheeting color shall match the edgeline color.



**E GUARDRAIL TERMINAL END OBJECT MARKER**

**ADHESIVE OBJECT MARKER**

Adhesive object marker dimensions may vary due to shape of terminal end. A minimum of 256 square inches of object marker sheeting area is required. The sheeting shall be fluorescent yellow super or very high intensity.

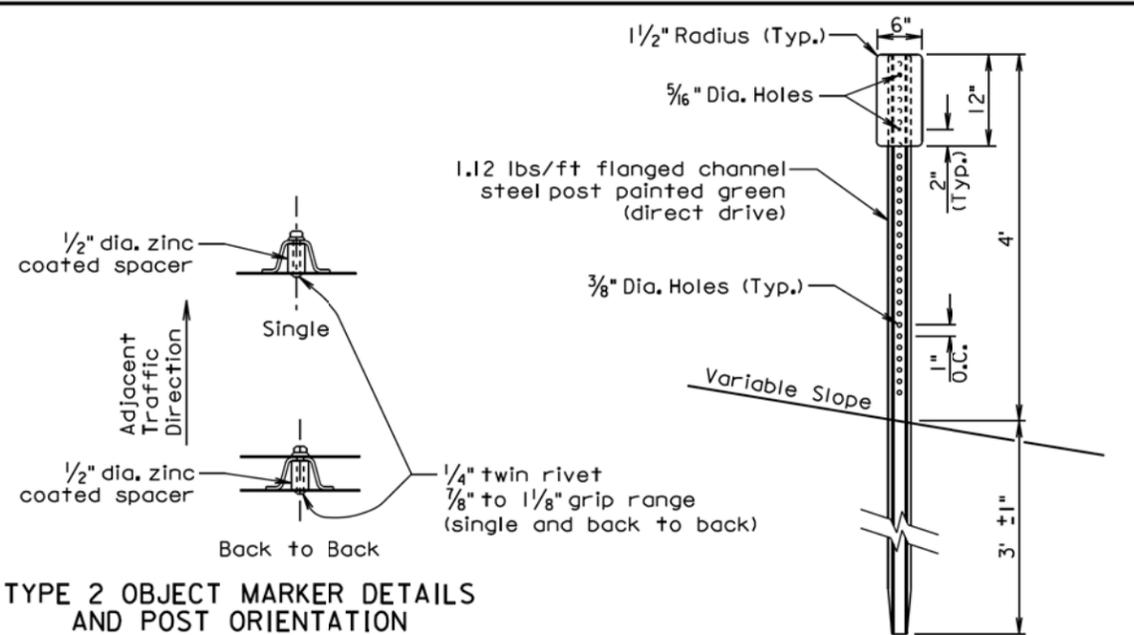
June 26, 2011

<b>S D D O T</b>	<b>DELINEATION OF GUARDRAIL AT BRIDGES</b>	PLATE NUMBER <b>632.40</b>
		Sheet 2 of 4
		Published Date: 1st Qtr. 2014

June 26, 2011

<b>S D D O T</b>	<b>DELINEATION OF GUARDRAIL AT BRIDGES</b>	PLATE NUMBER <b>632.40</b>
		Sheet 3 of 4
		Published Date: 1st Qtr. 2014

PLOTTED FROM - TRRC11628



**TYPE 2 OBJECT MARKER DETAILS AND POST ORIENTATION**

**(M) TYPE 2 OBJECT MARKER**  
( For Marking 3 Cable Guardrail Anchor )

**GENERAL NOTES:**

The delineators shall be covered with a minimum of 16 square inches of reflective sheeting. The reflective sheeting shall be of either very high intensity or super high intensity material. For bridges along two-way roadways the sheeting shall be on both sides of the delineator and shall be white in color. For one-way roadways the sheeting will only be required on the side facing traffic and the color will be the same as the nearest pavement marking, yellow on the left side of the roadway and white on the right side.

The first delineator shall be attached to the post nearest the bridge with additional delineators spaced in advance of the bridge at approximately 50 foot intervals. At bridges with short lengths of guardrail, less than 200 feet, a minimum of 4 delineators shall be placed in addition to the yellow object marker. The spacing between the delineators shall be approximately one third of the length of the guardrail. This will provide for a shorter spacing. At bridges with longer lengths of guardrail, greater than 200 feet, including bridges that have cable guardrail transitioning into the steel beam guardrail, the delineators will be placed at a spacing of approximately 50 feet. Delineation shall extend throughout the length of the guardrail system.

All costs for furnishing and installing single or back to back guardrail delineation shall be included in the contract unit price per each for "Guardrail Delineator".

An adhesive object marker shall be placed on the end of the W beam guardrail end terminal. The adhesive object marker dimensions may vary due to the shape of the terminal end. A minimum of 256 square inches of object marker reflective sheeting area is required. The reflective sheeting shall be fluorescent yellow super or very high intensity. All costs for furnishing and installing the adhesive object marker shall be incidental to various contract items.

A type 2 object marker shall be placed adjacent to the 3 cable guardrail anchor at the location noted on sheet 1 of this standard plate. The type 2 object marker (6" x 12") shall have a fluorescent yellow very high or super high intensity reflective sheeting. All costs for furnishing and installing the type 2 object marker including the steel post, 6" x 12" reflective panel, and hardware shall be included in the contract unit price per each for "Type 2 Object Marker" for single-sided and "Type 2 Object Marker Back to Back" for back to back type 2 object markers.

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<b>S D D O T</b>	<b>PLATE NUMBER</b> 632.40
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**DELINEATION OF GUARDRAIL AT BRIDGES**

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