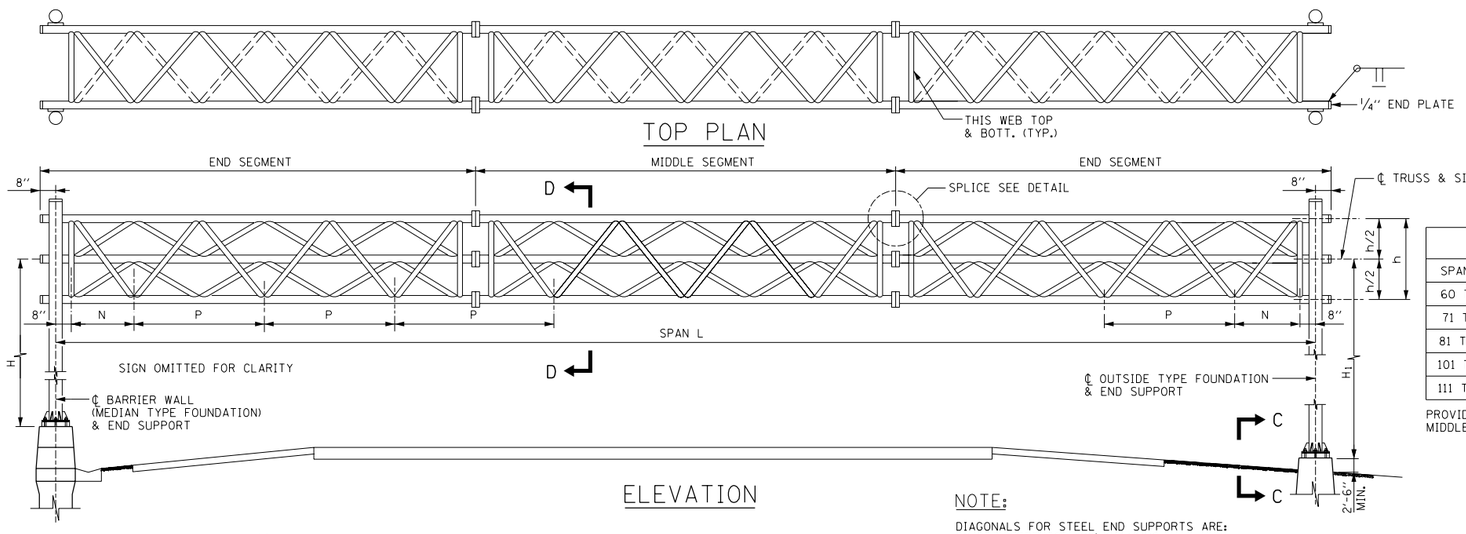
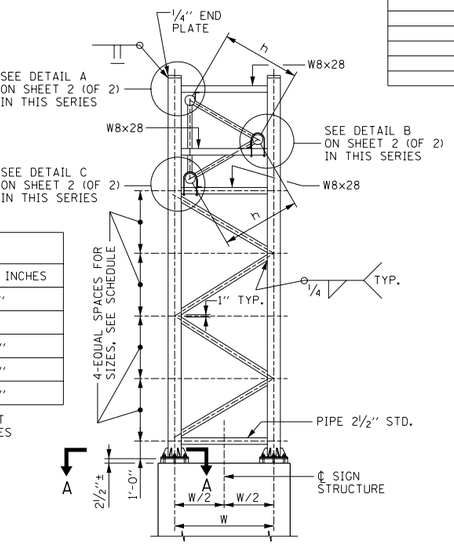
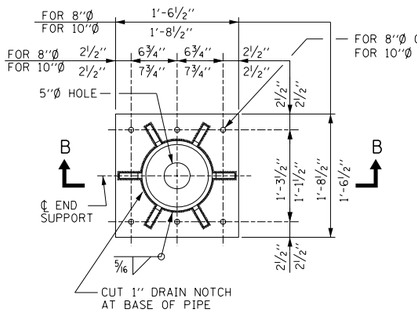
REVISIONS

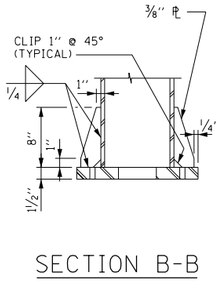


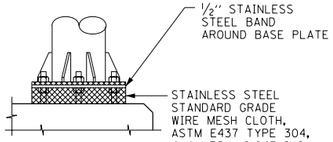
CAMBER	
SPAN IN FEET	CAMBER IN INCHES
60 THRU 70	1¾"
71 THRU 80	2"
81 THRU 100	2¼"
101 THRU 110	2½"
111 THRU 120	2½"

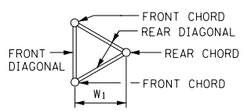
PROVIDE THE ABOVE CAMBER AT MIDDLE OF SPAN OF STRUCTURES

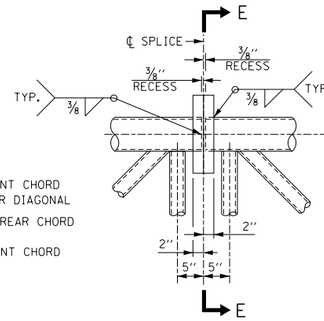












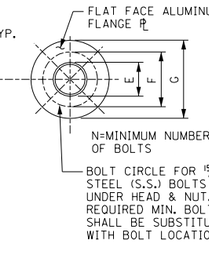


TABLE A			
CHORD SIZE E	F	G	N
3½"Ø & 3¾"Ø	8½"	11½"	6
4¼"Ø, 4¾"Ø, 5"Ø	9¼"	12¼"	8
6"Ø & 6½"Ø	11"	14"	10

N=MINIMUM NUMBER OF BOLTS

BOLT CIRCLE FOR 15/16"Ø HOLES AND ⅞"Ø STAINLESS STEEL (S.S.) BOLTS WITH HEX LOCKNUTS & S.S WASHERS UNDER HEAD & NUT. FOR E, F, G & N, SEE TABLE A. *REQUIRED MIN. BOLT TENSION IS 12,500#. 7/8"Ø STUDS SHALL BE SUBSTITUTED WHEN DIAGONALS INTERFERE WITH BOLT LOCATION.

SIGN STRUCTURE SCHEDULE

TRUSS NO.	DIMENSIONS						ALUMINUM TRUSS					STEEL END SUPPORT			FOUNDATION TYPE
	TRUSS SPAN L	P	N	h	W_1	W	DL (TRUSS) DEFLECTION	MIDDLE SEGMENT OR END SEGMENT				PIPE COLUMN (NOMINAL DIAMETER)			
								CHORD (O.D.)		DIAGONAL (O.D.)		H OR H_1 22'-0" TO 24'-0" (MAX.)	H OR H_1 25'-0" TO 27'-0" (MAX.)	H OR H_1 28'-0" TO 29'-0" (MAX.)	
								FRONT	REAR	FRONT	REAR				
T-60	60'-0"	6'-8"	2'-8"	3'-4"	2'-10⅝"	4'-4½"	1 1/16"	3½"Ø x¼"	3¾"Ø x¼"	2"Ø x3/16"	2"Ø x3/16"	8" STD. (28.55#/FT.)	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	80
T-65	65'-0"	7'-4"	2'-6"	3'-8"	3'-2⅛"	4'-8"	1⅝"	3½"Ø x¼"	3¾"Ø x¼"	2"Ø x3/16"	2"Ø x3/16"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	80
T-70	70'-0"	8'-0"	2'-4"	4'-0"	3'-5⅝"	5'-0"	1 11/16"	3¾"Ø x¼"	3¾"Ø x¼"	2"Ø x3/16"	2"Ø x3/16"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	80
T-75	75'-0"	8'-6"	2'-10"	4'-3"	3'-8¼"	5'-3"	1⅞"	4¼"Ø x¼"	4¾"Ø x⅜"	2"Ø x3/16"	2"Ø x3/16"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	80
T-80	80'-0"	9'-0"	3'-4"	4'-6"	3'-10¾"	5'-6"	2"	4¾"Ø x⅜"	5"Ø x¼"	2¼"Ø x3/16"	2"Ø x3/16"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	80
T-85	85'-0"	9'-6"	3'-10"	4'-9"	4'-1⅜"	5'-9"	2 1/16"	5"Ø x¼"	5"Ø x5/16"	2¼"Ø x3/16"	2¼"Ø x3/16"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	100
T-90	90'-0"	10'-0"	4'-4"	5'-0"	4'-4"	5'-11½"	2⅛"	5"Ø x5/16"	5"Ø x5/16"	2½"Ø x3/16"	2¼"Ø x3/16"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	100
T-95	95'-0"	10'-6"	4'-10"	5'-3"	4'-6⅝"	6'-2"	2 3/16"	5"Ø x5/16"	5"Ø x5/16"	2½"Ø x3/16"	2½"Ø x3/16"	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	100
T-100	100'-0"	11'-4"	4'-0"	5'-8"	4'-10⅞"	6'-7½'	2¼"	6"Ø x¼"	6"Ø x¼"	2¾"Ø x3/16"	2½"Ø x3/16"	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	100
T-105	105'-0"	12'-0"	3'-10"	6'-0"	5'-2⅜"	6'-11"	2 5/16"	6"Ø x5/16"	6"Ø x5/16"	3"Ø x3/16"	2¾"Ø x3/16"	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	120
T-110	110'-0"	12'-6"	4'-4"	6'-3"	5'-5"	7'-1½"	2 3/16"	6"Ø x5/16"	6"Ø x5/16"	3"Ø x3/16"	2¾"Ø x3/16"	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	120
T-115	115'-0"	13'-0"	4'-10"	6'-6"	5'-7⅝"	7'-4½"	2⅛"	6½"Ø x⅜"	6"Ø x5/16"	3¼"Ø x¼"	3"Ø x3/16"	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	10" X.X.S. (104.13#/FT.)	120
T-120	120'-0"	13'-8"	4'-8"	6'-10"	5'-11"	7'-8"	2 5/16"	6½"Ø x⅜"	6½"Ø x⅜"	3½"Ø x3/16"	3"Ø x3/16"	10" X.S. (54.74#/FT.)	10" X.X.S. (104.13#/FT.)	10" X.X.S. (104.13#/FT.)	120

NOTES:

DESIGN SPECIFICATIONS:

THESE STRUCTURES ARE DESIGNED TO SATISFY THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION WITH 2002 AND 2003 INTERIMS. TRUSSES ARE DESIGNED FOR A NINE FOOT DEEP SIGN PANEL OVER 75% OF SPAN LENGTH, BOTH END SUPPORTS ARE DESIGNED FOR 60% OF THE TOTAL LOAD.

LOADING:

ORIGINAL DESIGN LOADING WAS 35 PSF ON SIGN PANELS AND 10 PSF ON GROSS AREAS DEFINED BY THE PERIMETER OF TRUSS MEMBERS NOT COVERED BY SIGN PANEL AREAS. THE AASHTO GROUP II ALLOWABLE OVERSTRESS WAS 140% (ALLOWABLE STRESS DESIGN).

CONSTRUCTION SPECIFICATIONS:

ALL MATERIALS, EXCEPT AS SHOWN, FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 733 OF THE IDOT STANDARD SPECIFICATIONS.

APPROVED Jeff Haley CHIEF ENGINEER DATE 6-14-2006

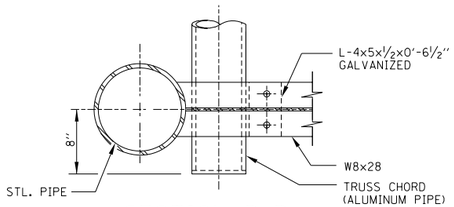
Illinois Tollway
Open Roads for a Faster Future

OVERHEAD SIGN STRUCTURE
SPAN TYPE, ALUMINUM

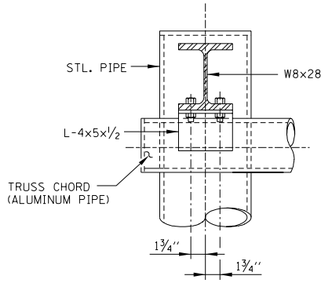
DATE 5-12-2005

STANDARD NO. SS 05-1A

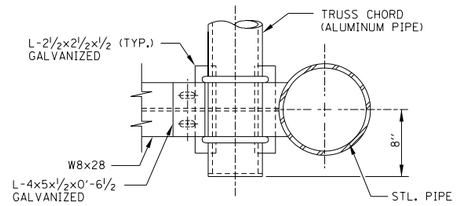
REVISIONS



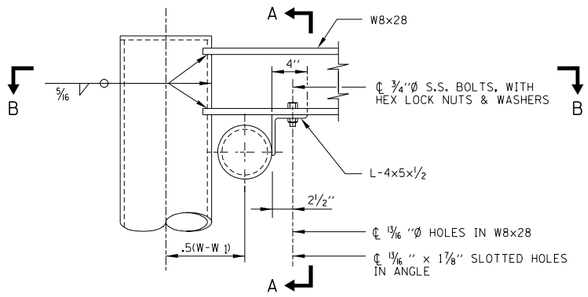
SECTION B-B



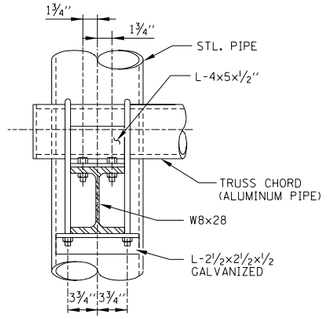
SECTION A-A



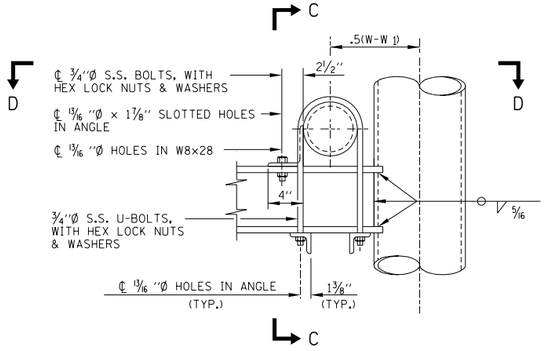
SECTION D-D



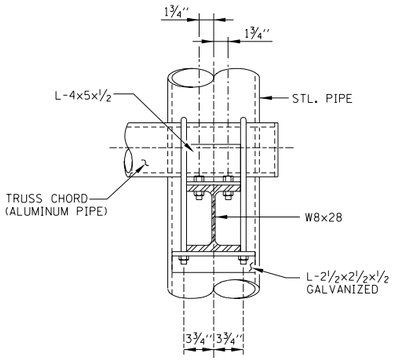
DETAIL A



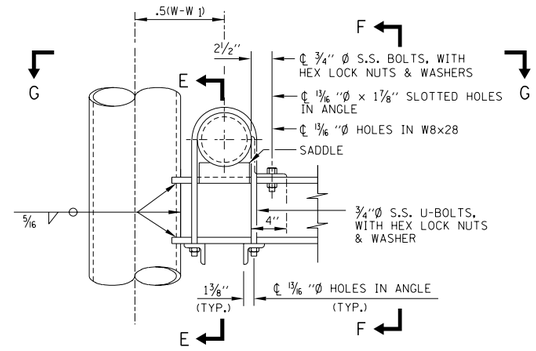
SECTION F-F



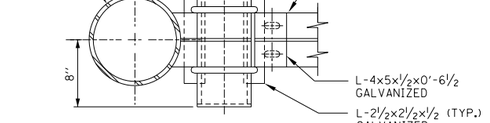
DETAIL B



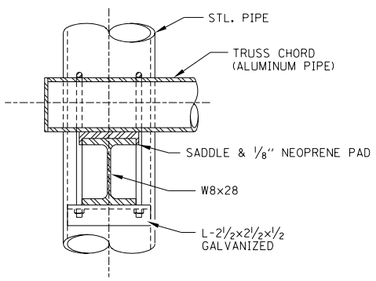
SECTION C-C



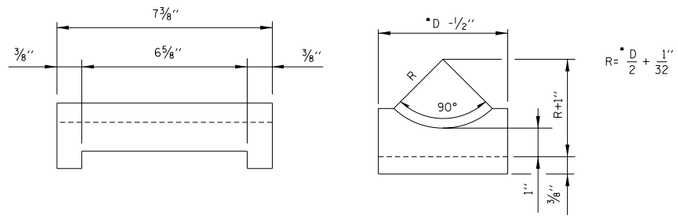
DETAIL C



SECTION G-G



SECTION E-E



SADDLE (SHIM) DETAIL
(ALUMINUM)

NOTES:

1. FOR LOCATION OF DETAILS A, B, & C, SEE SHEET 1 (OF 2) IN THIS SERIES.
2. •D=OUTSIDE DIAMETER OF CHORD

SHEET 2 OF 2

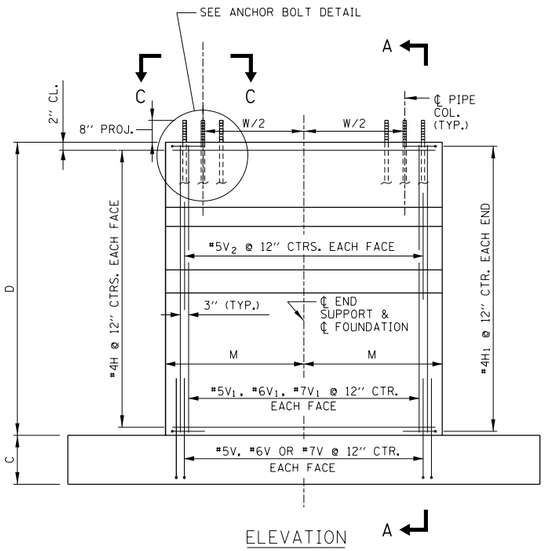
APPROVED Jeff Daley CHIEF ENGINEER DATE 6-14-2006

Illinois Tollway
Open Roads for a Faster Future

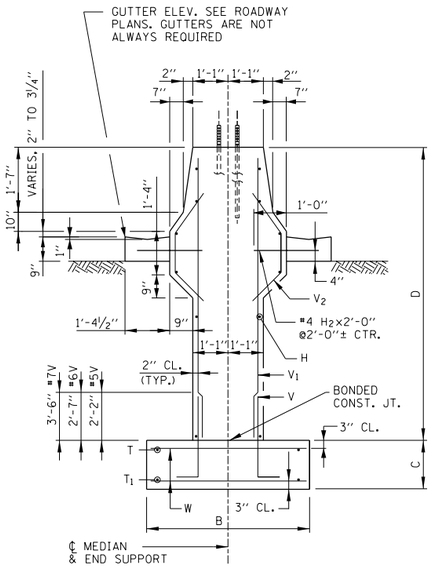
OVERHEAD SIGN STRUCTURE
SPAN TYPE, ALUMINUM, DETAILS

DATE	STANDARD NO.
5-12-2005	SS 05-1A

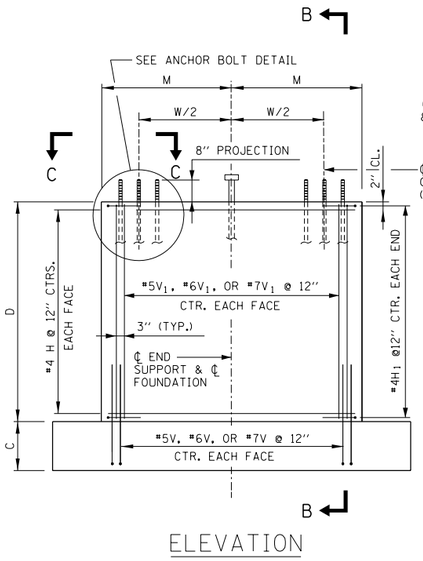
REVISIONS



ELEVATION



SECTION A-A



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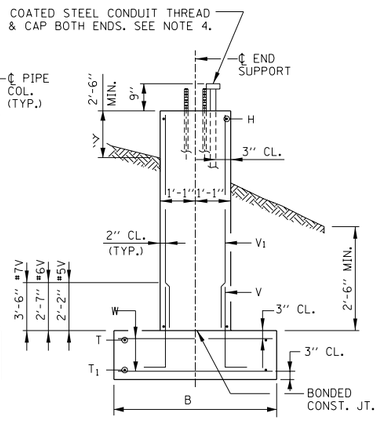
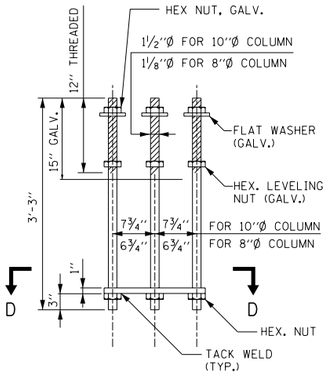
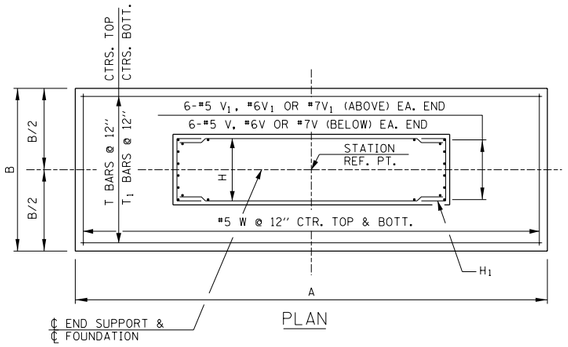


SECTION B-B

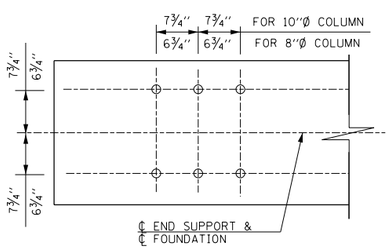


ANCHOR BOLT DETAIL

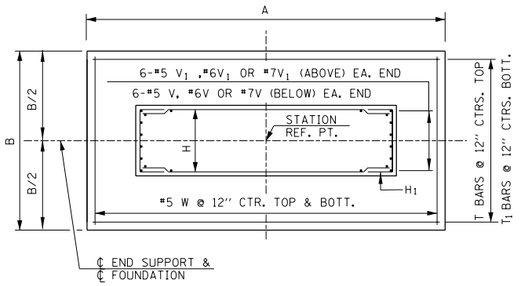


PLAN

MEDIAN FOUNDATION

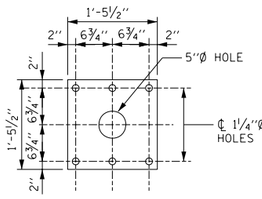


VIEW C-C

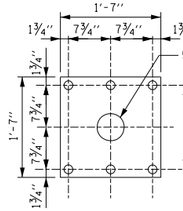


PLAN

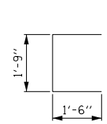
OUTSIDE FOUNDATION



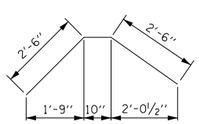
SECTION D-D
(FOR 8"Ø COLUMN)



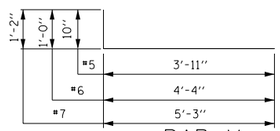
SECTION D-D
(FOR 10"Ø COLUMN)



BAR H_1



BAR V_2



BAR V

NOTES:

1. MINIMUM ALLOWABLE SOIL BEARING PRESSURE NOT TO BE LESS THAN 3000 P.S.F.
2. ALL MATERIAL, FABRICATION AND CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 734 OF THE IDOT STANDARD SPECIFICATIONS.
3. ALL REBARS SHALL BE EPOXY COATED.
4. FOR SIZE AND NUMBER OF COATED STEEL CONDUITS, SEE CONSTRUCTION ELECTRICAL DRAWINGS.

FOUNDATION SCHEDULE

FOUNDATION TYPE	LOCATION	DIMENSIONS					REINFORCEMENT																										CONCRETE IN CU. YDS.	REINF. BARS IN LBS.
							BAR T OR T_1					BAR W				BAR V				BAR V_1				BAR V_2				BAR H				BAR H_1				BAR H_2		
		A	B	C	D	M	NO.	SIZE T	SIZE T_1	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.		
80J	MEDIAN	20'-0"	8'-9"	2'-0"	6'-0"	4'-0"	9	#6	#7	19'-8"	——	40	#5	8'-5"	——	28	#5	4'-9"		28	#5	5'-10"	——					12	#4	7'-8"	——	12	#4	4'-9"		10	17.9	1500
80S	OUTSIDE	20'-0"	8'-9"	2'-0"	8'-0"	4'-0"	9	#6	#7	19'-8"	——	40	#5	8'-5"	——	28	#5	4'-9"		28	#5	7'-10"	——					16	#4	7'-8"	——	16	#4	4'-9"			18.1	1480
100J	MEDIAN	22'-0"	10'-0"	2'-0"	6'-0"	5'-3"	10	#6	#7	21'-8"	——	44	#5	9'-8"	——	34	#6	5'-4"		34	#6	5'-10"	——	22	#5	5'-10"		12	#4	10'-2"	——	12	#4	4'-9"		12	22.8	2060
100S	OUTSIDE	22'-0"	10'-0"	2'-0"	8'-0"	5'-3"	10	#6	#7	21'-8"	——	44	#5	9'-8"	——	34	#6	5'-4"		34	#6	7'-10"	——					16	#4	10'-2"	——	16	#4	4'-9"			23.1	2050
120J	MEDIAN	24'-0"	10'-0"	2'-0"	6'-0"	6'-0"	10	#7	#8	23'-8"	——	48	#5	9'-8"	——	36	#7	6'-5"		36	#7	5'-10"	——	24	#5	5'-10"		12	#4	11'-8"	——	12	#4	4'-9"		14	25.2	2800
120S	OUTSIDE	24'-0"	10'-0"	2'-0"	8'-0"	6'-0"	10	#7	#8	23'-8"	——	48	#5	9'-8"	——	36	#7	6'-5"		36	#7	7'-10"	——					16	#4	11'-8"	——	16	#4	4'-9"			25.5	2830

APPROVED Jeff Heckley CHIEF ENGINEER DATE 6-14-2006

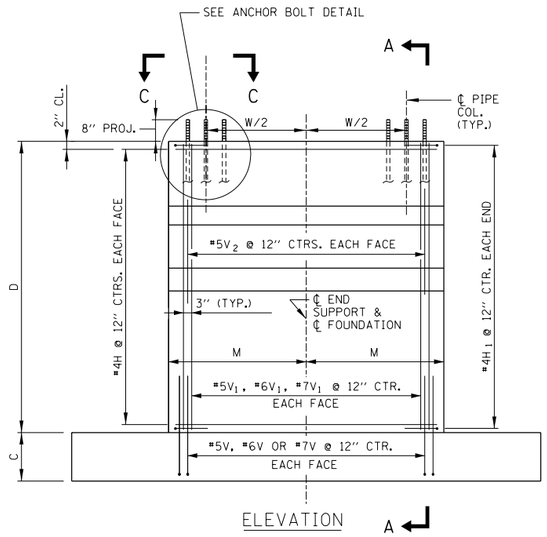
Illinois Tollway
Open Roads for a Faster Future

OVERHEAD SIGN STRUCTURE
SPAN TYPE,
BARRIER FOUNDATION

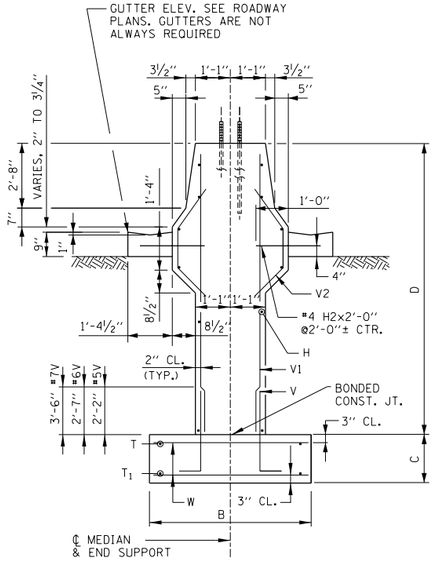
DATE 5-12-2005

STANDARD NO. SS 05-1B

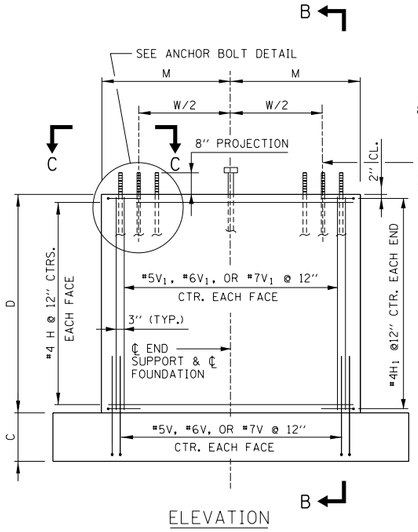
REVISIONS



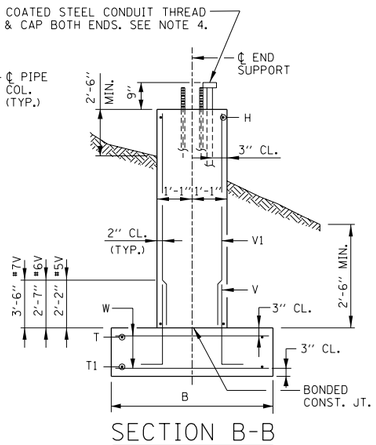
ELEVATION



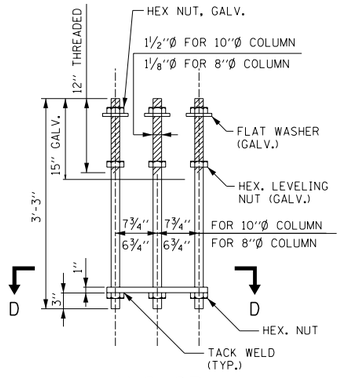
SECTION A-A



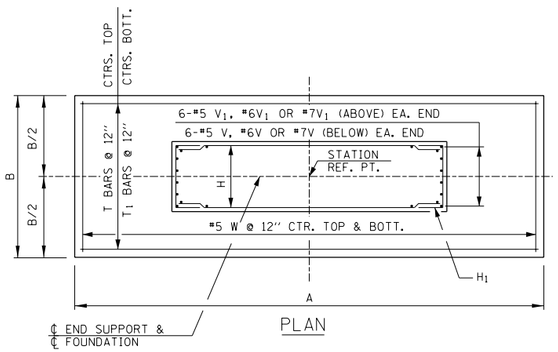
ELEVATION



SECTION B-B

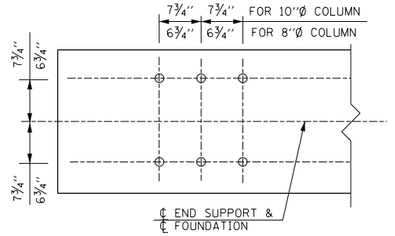


ANCHOR BOLT DETAIL

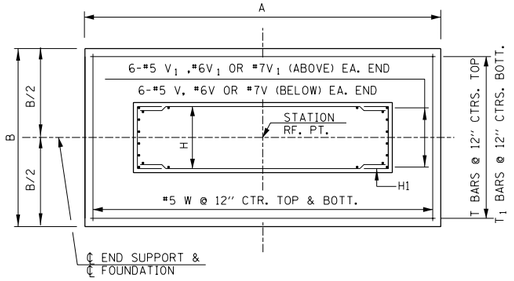


PLAN

MEDIAN FOUNDATION

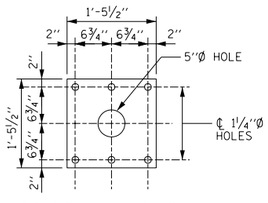


VIEW C-C

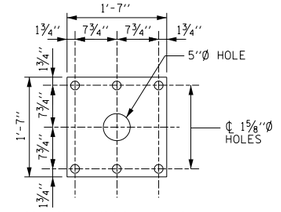


PLAN

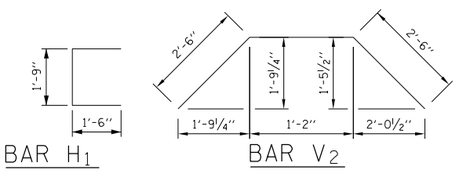
OUTSIDE FOUNDATION



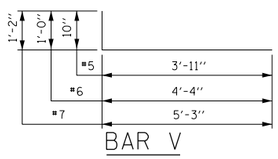
SECTION D-D
(FOR 8"Ø COLUMN)



SECTION D-D
(FOR 10"Ø COLUMN)



BAR H_1 BAR V_2



BAR V

NOTES:

1. MINIMUM ALLOWABLE SOIL BEARING PRESSURE NOT TO BE LESS THAN 3000 P.S.F.
2. ALL MATERIAL, FABRICATION AND CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 734 OF THE IDOT STANDARD SPECIFICATIONS.
3. ALL REBARS SHALL BE EPOXY COATED.
4. FOR SIZE AND NUMBER OF COATED STEEL CONDUITS, SEE CONSTRUCTION ELECTRICAL DRAWINGS.

FOUNDATION SCHEDULE

FOUNDATION TYPE	LOCATION	DIMENSIONS					REINFORCEMENT																										CONCRETE IN CU. YDS.	REINF. BARS IN LBS.
							BAR T OR T_1					BAR W				BAR V				BAR V_1				BAR V_2				BAR H				BAR H_1				BAR H_2		
		A	B	C	D	M	NO.	SIZE T	SIZE T_1	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.	SIZE	LENGTH	SHAPE	NO.		
80F	MEDIAN	20'-0"	8'-9"	2'-0"	7'-0"	4'-0"	9	#6	#7	19'-8"	——	40	#5	8'-5"	——	28	#5	4'-9"	⌊	28	#5	6'-10"	——	16	#5	6'-2"	◡	14	#4	7'-8"	——	14	#4	4'-9"	▭	10	18.6	1550
80S	OUTSIDE	20'-0"	8'-9"	2'-0"	8'-0"	4'-0"	9	#6	#7	19'-8"	——	40	#5	8'-5"	——	28	#5	4'-9"	⌊	28	#5	7'-10"	——					16	#4	7'-8"	——	16	#4	4'-9"	▭		18.1	1480
100F	MEDIAN	22'-0"	10'-0"	2'-0"	7'-0"	5'-3"	10	#6	#7	21'-8"	——	44	#5	9'-8"	——	34	#6	5'-4"	⌊	34	#6	6'-10"	——	22	#5	6'-2"	◡	14	#4	10'-2"	——	14	#4	4'-9"	▭	12	23.7	2130
100S	OUTSIDE	22'-0"	10'-0"	2'-0"	8'-0"	5'-3"	10	#6	#7	21'-8"	——	44	#5	9'-8"	——	34	#6	5'-4"	⌊	34	#6	7'-10"	——					16	#4	10'-2"	——	16	#4	4'-9"	▭		23.1	2050
100F	MEDIAN	24'-0"	10'-0"	2'-0"	7'-0"	6'-0"	10	#7	#8	23'-8"	——	48	#5	9'-8"	——	36	#7	6'-5"	⌊	36	#7	6'-10"	——	24	#5	6'-2"	◡	14	#4	11'-8"	——	14	#4	4'-9"	▭	14	26.2	2910
120S	OUTSIDE	24'-0"	10'-0"	2'-0"	8'-0"	6'-0"	10	#7	#8	23'-8"	——	48	#5	9'-8"	——	36	#7	6'-5"	⌊	36	#7	7'-10"	——					16	#4	11'-8"	——	16	#4	4'-9"	▭		25.5	2830

APPROVED Jeff Daley CHIEF ENGINEER DATE 6-14-2006

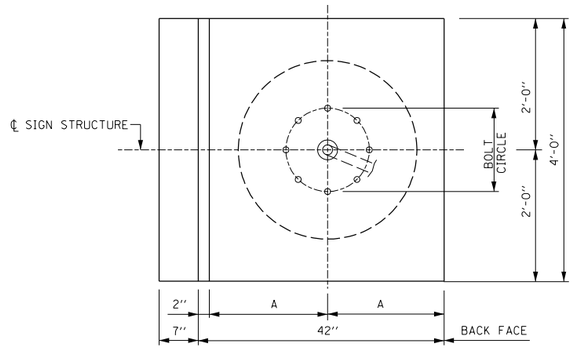
Illinois Tollway
Open Roads for a Faster Future

OVERHEAD SIGN STRUCTURE
SPAN TYPE,
"F" BARRIER FOUNDATION

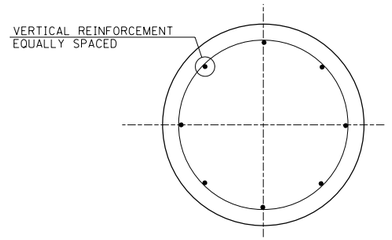
DATE 5-12-2005

STANDARD NO. SS 05-1C

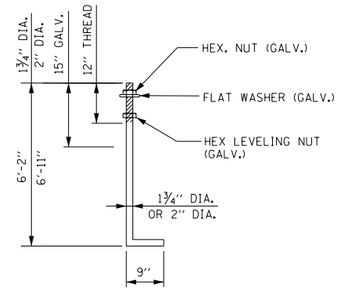
REVISIONS



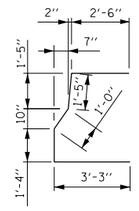
DIMENSIONAL PLAN, FOUNDATION
TYPES 1J, 2J & 3J



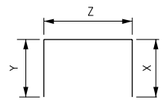
SECTION A-A
(TYPES 1J, 2J, & 3J)



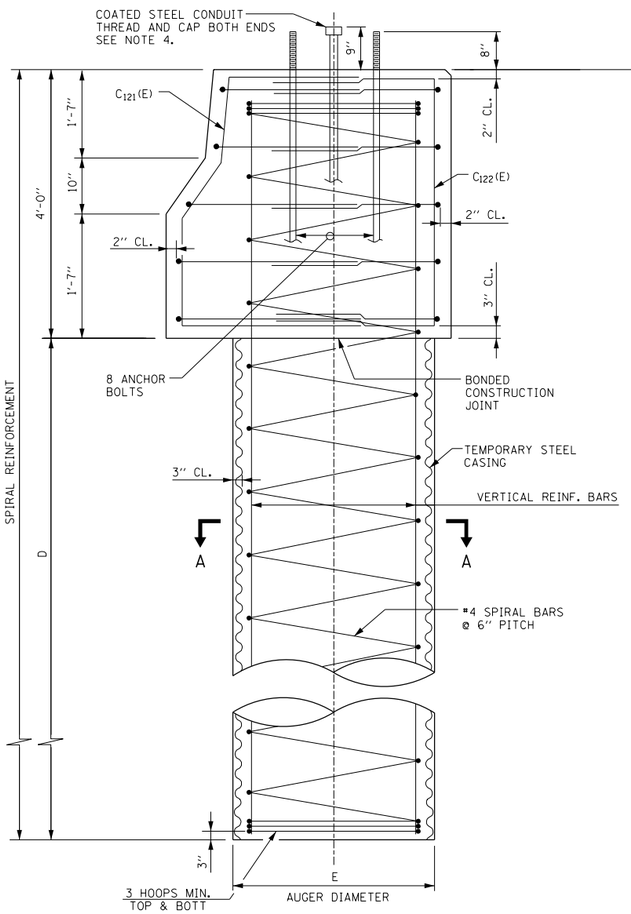
ANCHOR BOLT DETAIL



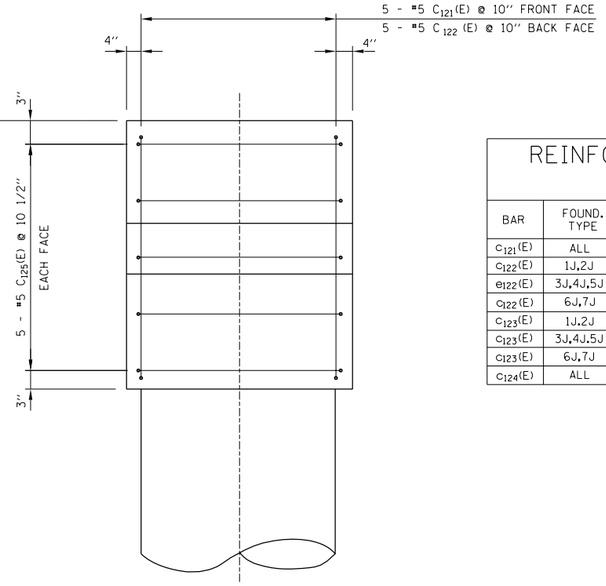
BAR $C_{121}(E)$



BARS $C_{122}(E)$, $C_{123}(E)$, $C_{124}(E)$



SIDE ELEVATION



FRONT ELEVATION

REINFORCING BAR SCHEDULE FOR BARRIER

BAR	FOUND. TYPE	NO.	SIZE	Y	Z	LENGTH
$C_{121}(E)$	ALL	5	#5	-	-	9'-6"
$C_{122}(E)$	1J,2J	5	#5	1'-6"	3'-7"	6'-7"
$e_{122}(E)$	3J,4J,5J	5	#5	2'-0"	3'-7"	7'-7"
$C_{122}(E)$	6J,7J	5	#5	2'-6"	3'-7"	8'-7"
$C_{123}(E)$	1J,2J	10	#5	2'-5"	3'-8"	8'-6"
$C_{123}(E)$	3J,4J,5J	10	#5	2'-8"	3'-8"	9'-0"
$C_{123}(E)$	6J,7J	10	#5	2'-11"	3'-8"	9'-6"
$C_{124}(E)$	ALL	4	#5	3'-6"	3'-6"	10'-6"

NOTE TO DSE

THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DSE PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES ARE CONTAINED W/IN THE ICAPP MANUAL RESOURCE CD OR AVAILABLE FROM THE AUTHORITY. THE DSE SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION & INSERTION INTO A CONTRACT. THIS "NOTE TO DSE" SHALL BE REMOVED BY THE DSE PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.

NOTES:

1. MINIMUM UNCONFINED COMPRESSIVE STRENGTH, Qu FOR COHESIVE SOILS SHALL BE 1.25 TONS PER SQ. FT. & MINIMUM STANDARD PENETRATION TEST VALUE, N FOR GRANULAR SOILS SHALL BE 10 BLOWS PER FOOT.
2. ALL MATERIALS, FABRICATION AND CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 734 OF THE IDOT STANDARD SPECIFICATIONS.
3. ALL REBARS SHALL BE EPOXY COATED.
4. FOR SIZE AND NUMBER OF COATED STEEL CONDUITS, SEE ELECTRICAL CONSTRUCTION DRAWINGS.

FOUNDATION SCHEDULE

FOUNDATION TYPE	COLUMN OUTSIDE DIAMETER	ANCHOR BOLTS			SHAFT			VERTICAL REINFORCEMENT				SPIRAL REINFORCEMENT		BARRIER DIMENSIONS				BARRIER	TOTAL	
		SIZE	NO.	BOLT CIRCLE	D	E	CONC. CY.	NO.	SIZE	LENGTH	POUNDS	LENGTH	POUNDS	A	B	C	CONC. CY.	POUNDS	CONC. CY.	POUNDS
1J	12¾"	1¾" Ø	8	19" Ø	14'-3"	30"	2.6	8	#10	17'-10"	614	273'-0"	183	1'-6"	3'-0"	3'-9"	2.1	216	4.7	1013
2J	14"	1¾" Ø	8	20" Ø	15'-3"	30"	2.8	8	#10	18'-10"	648	286'-0"	191	1'-6"	3'-0"	3'-9"	2.1	216	4.9	1055
3J	16"	2" Ø	8	22" Ø	15'-9"	36"	4.1	8	#11	19'-4"	822	352'-0"	235	1'-9"	3'-6"	4'-3"	2.3	227	6.4	1284
4J	18"	1¾" Ø	12	24" Ø	17'-3"	36"	4.5	12	#10	20'-10"	1076	376'-0"	251	1'-9"	3'-6"	4'-3"	2.3	227	6.8	1554
5J	20"	1¾" Ø	12	27" Ø	18'-9"	36"	4.9	12	#11	22'-4"	1424	400'-0"	267	1'-9"	3'-6"	4'-3"	2.3	227	7.2	1918
6J	22"	2" Ø	12	29" Ø	18'-9"	42"	6.7	12	#11	22'-4"	1424	478'-0"	319	2'-0"	4'-0"	4'-9"	2.6	237	9.3	1980
7J	24"	2" Ø	12	30" Ø	19'-9"	42"	7.0	12	#11	23'-4"	1488	498'-0"	333	2'-0"	4'-0"	4'-9"	2.6	237	9.6	2058

APPROVED Jeff Mosley CHIEF ENGINEER DATE 6-14-2006

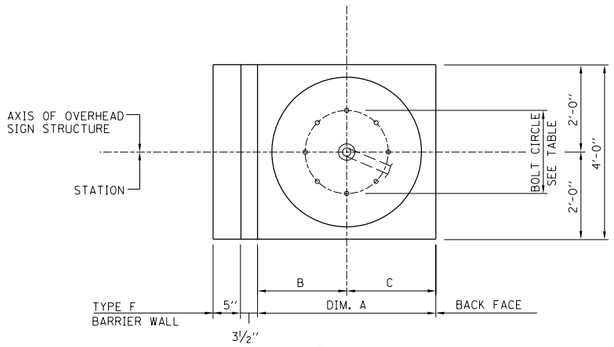
Illinois Tollway
Open Roads for a Faster Future

OVERHEAD SIGN STRUCTURE
CANTILEVER TYPE
BARRIER WALL - FOUNDATION

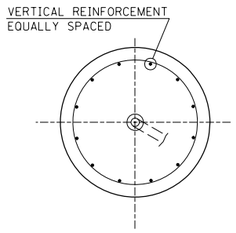
DATE 5-12-2005

STANDARD NO. BASE SHEET

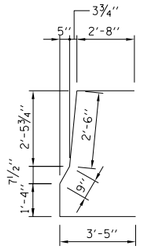
REVISIONS



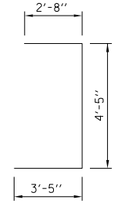
PLAN



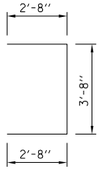
SECTION A-A



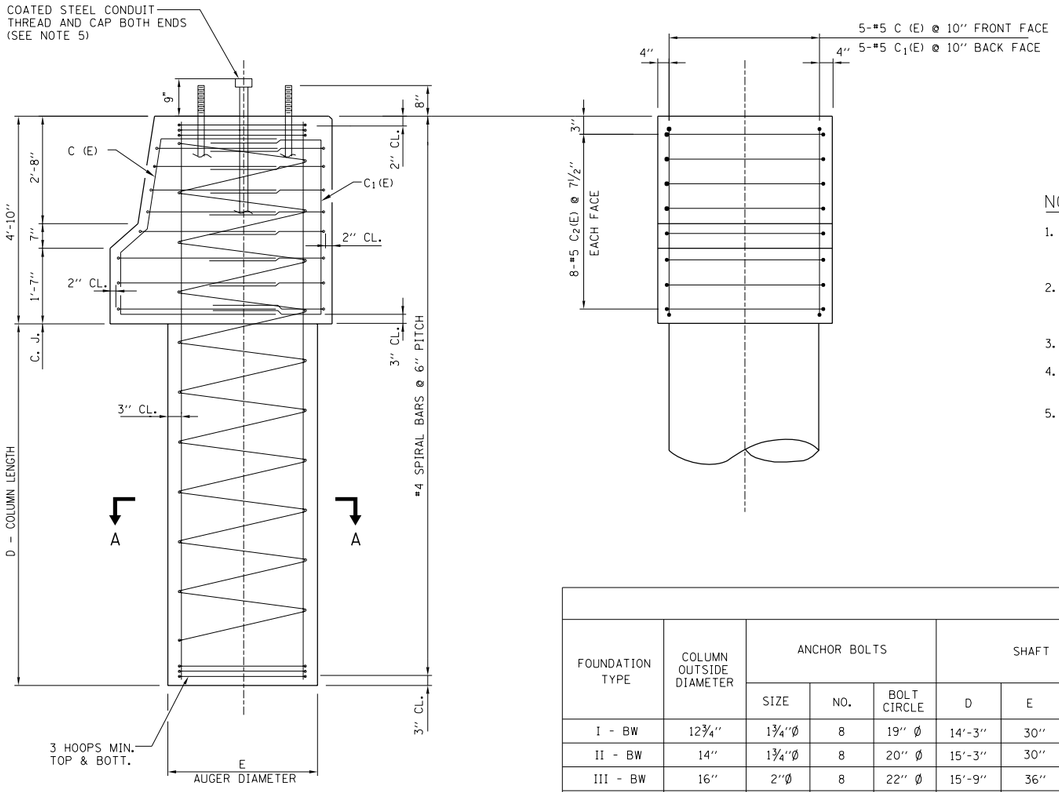
BAR C (E)



BAR C_1(E)



BAR C_2(E)



SIDE ELEVATION

NOTES:

1. MINIMUM UNCONFINED COMPRESSIVE STRENGTH, Qu FOR COHESIVE SOILS SHALL BE 1.25 TONS PER SQ. FT. & MINIMUM STANDARD PENETRATION TEST VALUE, N FOR GRANULAR SOILS SHALL BE 10 BLOWS PER FOOT.
2. ALL MATERIALS, FABRICATION AND CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 734 OF THE IDOT STANDARD SPECIFICATIONS.
3. ALL REBARS SHALL BE EPOXY COATED.
4. FOR ANCHOR BOLT DETAILS SEE IDOT SIGN STRUCTURE MANUAL BASE SHEET OSC-A-9.
5. FOR SIZE AND NUMBER OF COATED STEEL CONDUIT SEE ELECTRICAL CONSTRUCTION DRAWINGS.

NOTE TO DSE

THIS BASE SHEET SHOWS TYPICAL NEW CONSTRUCTION BUT IT IS NOT A STANDARD DRAWING. IT REQUIRES COMPLETION BY THE DSE PRIOR TO INSERTION INTO A CONTRACT. MICROSTATION FILES ARE CONTAINED W/IN THE ICAPP MANUAL RESOURCE CD OR AVAILABLE FROM THE AUTHORITY. THE DSE SHALL ACCEPT THE RESPONSIBILITY OF THE DESIGN OF THIS SHEET UPON ITS COMPLETION & INSERTION INTO A CONTRACT. THIS "NOTE TO DSE" SHALL BE REMOVED BY THE DSE PRIOR TO INSERTION OF THE SHEET INTO THE PLAN SET.

FOUNDATION SCHEDULE

FOUNDATION TYPE	COLUMN OUTSIDE DIAMETER	ANCHOR BOLTS			SHAFT			VERTICAL REINFORCEMENT				SPIRAL REINFORCEMENT		BARRIER DIMENSIONS			BARRIER		TOTAL	
		SIZE	NO.	BOLT CIRCLE	D	E	CONC. CY.	NO.	SIZE	LENGTH	WEIGHT POUNDS	LENGTH	WEIGHT POUNDS	A	B	C	CONC. CY.	REBAR POUNDS	CONC. CY.	REBAR POUNDS
I - BW	12¾"	1¾"Ø	8	19" Ø	14'-3"	30"	2.6	8	#10	18'-8"	643	279'-0"	186	36½"	18½"	18"	2.4	261	5.0	1090
II - BW	14"	1¾"Ø	8	20" Ø	15'-3"	30"	2.8	8	#10	19'-8"	677	292'-0"	195	37"	19"	18"	2.4	261	5.2	1133
III - BW	16"	2"Ø	8	22" Ø	15'-9"	36"	4.1	8	#11	20'-2"	857	372'-0"	248	41"	20"	21"	2.7	261	6.8	1366
IV - BW	18"	1¾"Ø	12	24" Ø	17'-3"	36"	4.5	12	#10	21'-8"	1119	396'-0"	265	42"	21"	21"	2.7	261	7.2	1645
V - BW	20"	1¾"Ø	12	27" Ø	18'-9"	36"	4.9	12	#11	23'-2"	1477	419'-0"	280	43½"	22½"	21"	2.8	261	7.7	2018
VI - BW	22"	2"Ø	12	29" Ø	18'-9"	42"	6.7	12	#11	23'-2"	1477	502'-0"	335	47½"	23½"	24"	3.1	261	9.8	2073
VII - BW	24"	2"Ø	12	30" Ø	19'-9"	42"	7.0	12	#11	24'-4"	1541	521'-0"	348	48"	24"	24"	3.1	261	10.1	2150

APPROVED Jeff Daley CHIEF ENGINEER DATE 6-14-2006

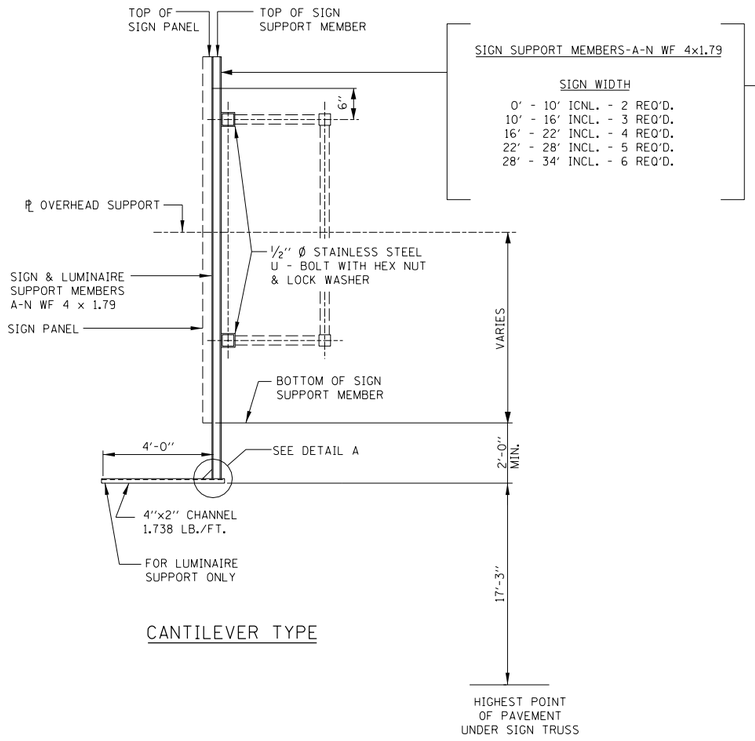
Illinois Tollway
Open Roads for a Faster Future

OVERHEAD SIGN STRUCTURE
CANTILEVER TYPE "F"
BARRIER WALL-FOUNDATION

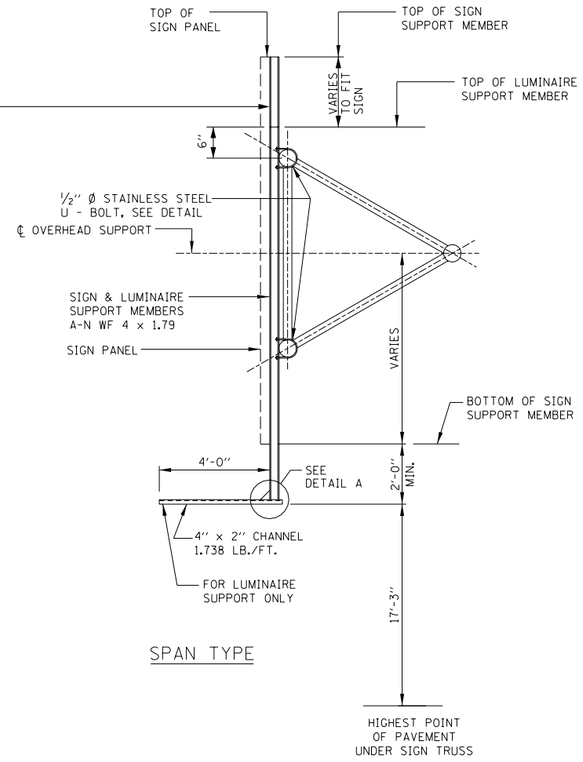
DATE 5-12-2005

STANDARD NO. BASE SHEET

REVISIONS



CANTILEVER TYPE

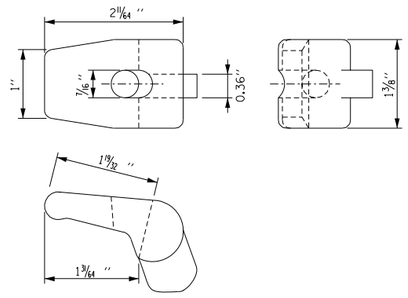


SPAN TYPE

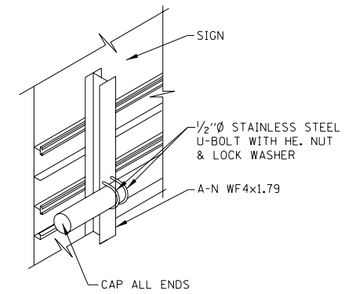
SIGN AND LUMINAIRE SUPPORT DETAIL

NOTE:

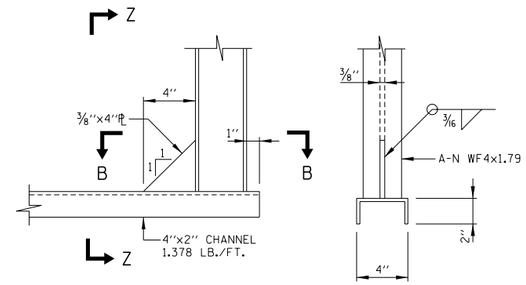
SIGN PANEL SHALL BE ATTACHED TO TRUSS AS CLOSE TO PANEL JOINTS AS POSSIBLE.



UNIVERSAL POST CLIP DETAIL

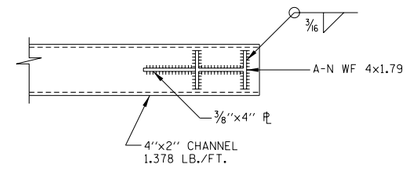


STAINLESS STEEL U-BOLT DETAIL



DETAIL A

SECTION Z-Z



SECTION B-B

NOTES:

ALL MATERIAL IS ALUMINUM (UNLESS OTHERWISE NOTED).

APPROVED Jeff Daley CHIEF ENGINEER DATE 6-14-2006

Illinois Tollway
Open Roads for a Faster Future

OVERHEAD SIGN STRUCTURE
SIGN AND LUMINAIRE SUPPORTS

DATE	STANDARD NO.
5-12-2005	SS 05-3