



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

October 19, 2011

CALL NO. 100
CONTRACT ID NO. 111341
ADDENDUM # 1

Subject: Warren County, NH 0651 (095)
Letting October 21, 2011

- (1) Revised - Plan Sheets - R1, R2L, R2M, S1, S48, T15, T16, T29, T30, T31, T32, T33, T57, T72, T74, T75, T85, T86, T87, T88, & T89
- (2) Added - Plan Sheets - T95, T96, T97, T98, T99, T100, T101, T102, T103, T104, T105, T106, T107, & T108
- (3) Revised - Front Sheet of Proposal
- (4) Revised - Project Identification & Description - Page 4 of 164
- (5) Added - Addendum to Special Note - Pages 23(a)-23(b) of 164
- (6) Added - Special Note for Completion Dates - Page 58(a) of 164
- (7) Revised - Right-of-Way Certification Form - Pages 60-62 of 164
- (8) Revised - Wage Rates - Pages 135-148 of 164
- (9) Revised - Bid Items - Pages 153-164 of 164

Proposal revisions are available at <http://transportation.ky.gov/contract/>.
Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures



An Equal Opportunity Employer M/F/D

DATE	
NO. SETS	
RECORD PLANS	
CONSTRUCTION PLANS	

REVIEWED BY _____
DIVISION OF CONSTRUCTION

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$design\$file\$specification\$\$\$
E-SHEET NAME:

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R2-R2T	LAYOUT SHEETS AND SUMMARY SHEETS
R2U-R2V	LEGAL AND UTILITY OWNERS
R3-R3T	PLAN AND PROFILE SHEETS
R3B	RIGHT OF WAY SUMMARY SHEET
R39-R42	RIGHT OF WAY STRIP MAPS
R43-R44	PROJECT CONTROL SHEETS
R45	PROJECT CONTROL SHEETS POINTS
R46	GEOMETRIC LAYOUT SHEETS
R47-R61	EROSION CONTROL SHEETS
R62-R158	MAINTENANCE OF TRAFFIC SHEETS
R159-R176	PAVEMENT ELEVATION DETAIL SHEETS
R177-R190	WRAPPING SHEETS
R191-R200	MARKING SHEETS
R203-R214	MECHANICAL DETAIL SHEETS
R215-R241	PIPE SHEETS
T1-T14	SIGNALIZATION PLANS
T15-T16	UTILITY PLANS
T17-T18	PERMANENT STONING PLANS
T19-T108	PERMANENT STONING PLANS
XI-X149	CROSS SECTION SHEETS

TOTAL SHEETS

(R) ROADWAY	241
(S) STRUCTURE	69
(T) TRAFFIC	108
(X) CROSS SECTION	149

SHEETS NOT INCLUDED IN TOTAL SHEETS

R2A - R2V

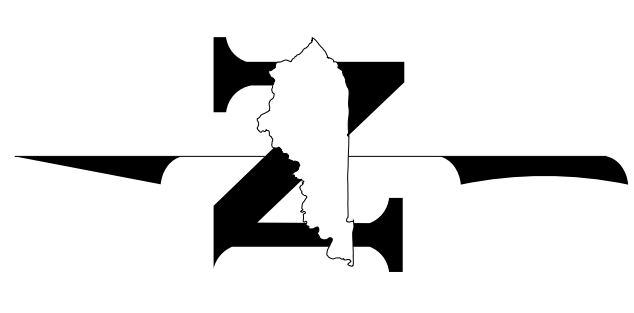
STANDARD DRAWINGS

NUMBER	DESCRIPTION
RDB-001-07	RDB-281-02
RBC-001-09	RDB-282-03
RBC-002-01	RDB-283-03
RBC-003-07	RDB-040-04
RBE-100-09	RDI-020-08
RBI-001-06	RDI-021-05
RBI-002-06	RDI-025-04
RBI-006-06	RDI-026-01
RBM-020-08	RDI-035-01
RBM-050	RDI-045-01
RBM-053	RDM-001-06
RBM-054	TFM-100-01
RBM-055	TFM-101-01
RBM-056	TFM-102-01
RBM-057	TFM-103-01
RBM-058	TFM-104-01
RBM-059	TFM-105-01
RBM-060	TFM-106-01
RBM-061	TFM-107-01
RBM-062	TFM-108-01
RBM-063	TFM-109-01
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RBM-065	TFM-111-01
RBM-066	TFM-112-01
RBM-067	TFM-113-01
RBM-068	TFM-114-01
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RBM-070	TFM-116-01
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RBM-073	TFM-119-01
RBM-074	TFM-120-01
RBM-075	TFM-121-01
RBM-076	TFM-122-01
RBM-077	TFM-123-01
RBM-078	TFM-124-01
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RBM-402	TFM-448-01
RBM-403	TFM-449-01
RBM-404	TFM-450-01
RBM-405	TFM-451-01
RBM-406	TFM-452-01
RBM-407	TFM-453-01
RBM-408	TFM-454-01
RBM-409	TFM-455-01
RBM-410	TFM-456-01
RBM-411	TFM-457-01
RBM-412	TFM-458-0

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-317.00	R1

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

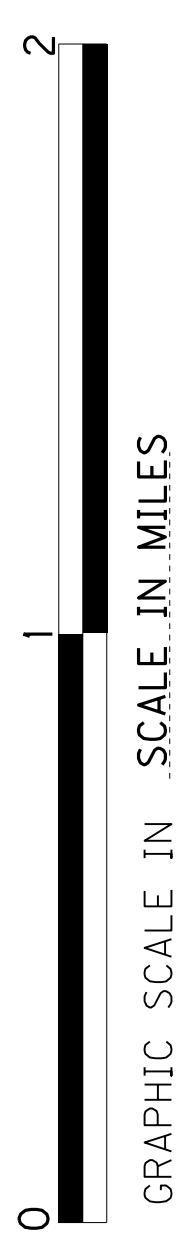
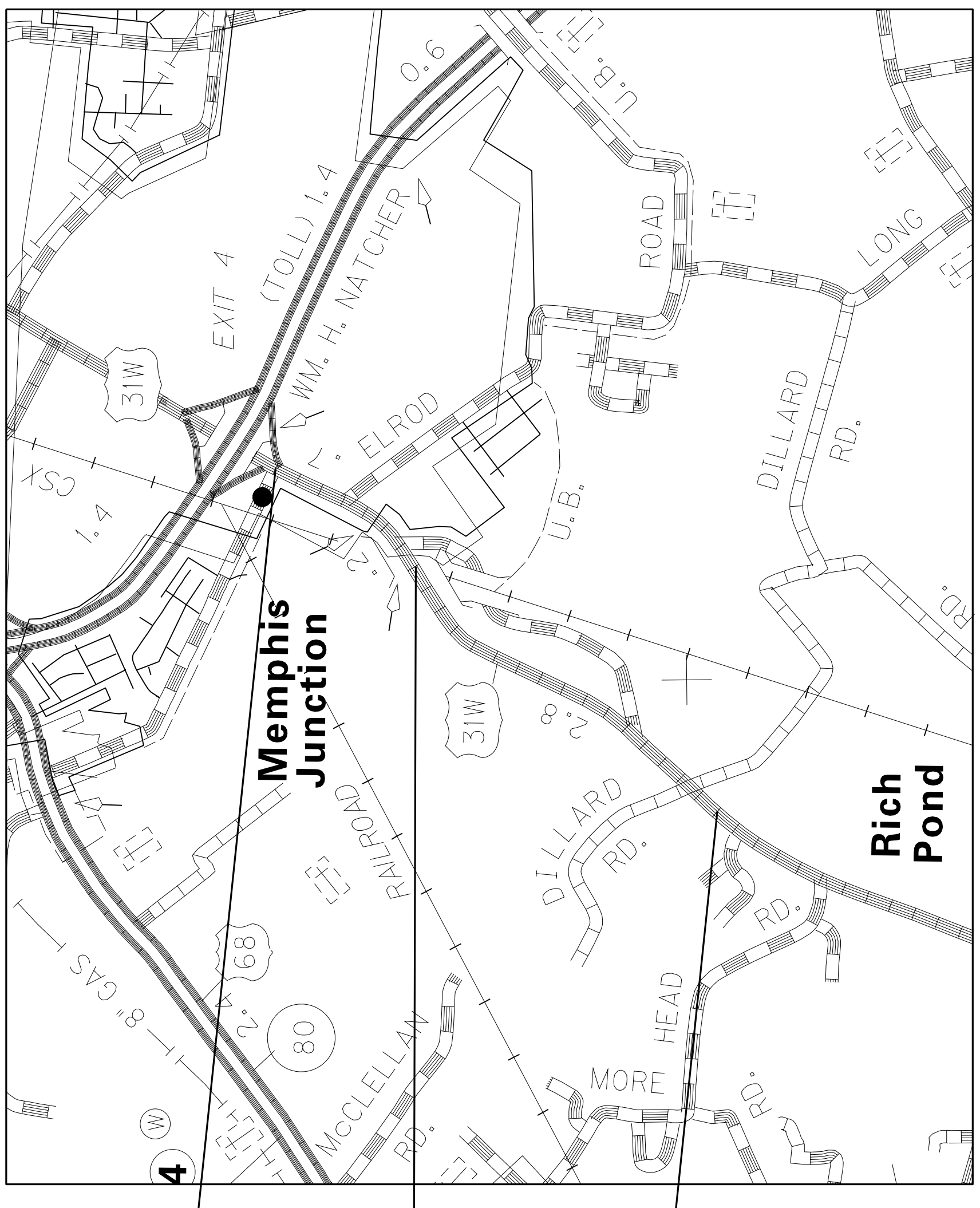
PLANS OF PROPOSED PROJECT WARREN COUNTY THESE PLANS ARE FOR GRADE, DRAIN, & SURFACE STP 7434 (022)



BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-You-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT FROM THE BEGINNING TO STA. 142+17.25 FROM STA. 142+75.25 TO THE END OF THE PROJECT THE ACCESS IS FULLY CONTROLLED



LAYOUT MAP

SHEET NO.	DESCRIPTION
R0-R2	LAYOUT SHEETS-SUMMARY OF QUANTITIES
R3-R5	PLAN AND PROFILE SHEETS
R6-R25	RIGHT OF WAY SUMMARY SHEETS
R26-R30	DETAIL SHEETS
R31-R40	TRAFFIC CONTROL SHEETS
R41-R44	ENGINEERING CONTROL SHEETS
R45-R54	COORDINATE CONTROL SHEETS
R55-R59	SOIL PROFILE SHEETS
R60-R70	PIPE DRAINAGE SHEETS
R71-R75	STRUCTURE BRIDGE PLANS
SI-S54	STRUCTURE RETAINING WALL PLANS
SI-S55	TRAFFIC SIGNAL PLANS
TI-T11	TRAFFIC LIGHTING PLANS
TI-T18	TRAFFIC ITS SIGN RELOCATION PLANS
TI9-T22	
XI-X124	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS
2A, 2B, 2C, 2D

NUMBER	STANDARD DRAWINGS
RBB-001-07	RDB-160-01
RBC-001-09	RDB-280-05
RBC-002-01	RDB-281-02
RBC-003-07	RDB-282-03
RBI-001-09	RDB-283-03
RBI-002-06	RDB-400-04
RBI-003-04	RDB-520-04
RBR-005-10	RDB-420-04
RBR-010-05	RDB-040-04
RBR-015-04	RDI-011-02
RBR-016-04	RDI-016-02
RBR-050-05	RDI-020-08
RBR-055-05	RDI-021-08
RBR-106-04	RDI-025-04
RBR-108-04	RDI-026
RBR-155-01	RDI-026
RCX-100-05	RDX-001-05
RCX-200	RDX-210-02
RPM-100-09	RDX-215
RPM-110-05	RDX-220-01
TPM-100-01	RDX-230
TPM-140-01	RFX-001-04
TTC-135-01	RFX-005-06
TTC-150-01	RGS-001-06
TTD-100	RDI-016-02
TTD-105	RDI-020-08
TTD-110	RDI-021-08
TTD-125	RDI-025-04
TTD-125	RDI-026
TTS-115-01	RDI-026

DESIGN CRITERIA

CLASS OF HIGHWAY	URBAN MINOR COLLECTOR
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	45 MPH
REQUIRED NPSD	360
REQUIRED PSD	N/A
LEVEL OF SERVICE	
ADT PRESENT (2003)	14,500
ADT FUTURE (2027)	29,400
DHV (2027)	2,900
D % (2027)	10.5%
T % (2027)	7.0%

GEOGRAPHIC COORDINATES

LATITUDE 36 DEGREES 54 MINUTES 50 SECONDS NORTH
LONGITUDE 86 DEGREES 30 MINUTES 39 SECONDS WEST

DESIGNED

% RESTRICTED SD _____
LEVEL OF SERVICE _____
MAX. DISTANCE W/O PASSING _____

LENGTH ADDED (DEDUCTED)	FOR EQUALITIES NOT INCLUDED	RAILROAD CROSSINGS NO. BRIDGES	MILES LIN. FT.	FOR EQUALITIES NOT INCLUDED	RAILROAD CROSSINGS NO. BRIDGES	MILES LIN. FT.	FOR EQUALITIES NOT INCLUDED	RAILROAD CROSSINGS NO. BRIDGES	MILES LIN. FT.
12,949.94			2.452						

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
WARREN

ITEM NO. 3-317.00
PROJECT STP 7434 (022)
NUMBER: FD52 114 031W 006-009
LETTING DATE: OCTOBER 21, 2011

RECOMMENDED BY: J.E. HUDSON
PROJECT MANAGER: *[Signature]*
DATE: SEPT. 14, 2011
PLAN APPROVED BY: *[Signature]*
STATE HIGHWAY ENGINEER: *[Signature]*
DATE: SEPT. 30, 2011

REVISÉ 10-17-2011

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	I-65	US 231	RAMP A & A1 INCLUDES EX. RAMP A	RAMP B & B1 INCLUDES EX. RAMP B	RAMP C & C1 INCLUDES EX. RAMP C	RAMP D & D1 INCLUDES EX. RAMP D	TEMPORARY CONSTRUCTION	TOTAL PROJECT
00078	CRUSHED AGGREGATE SIZE NO 2	TON	22	19	9	9	11	9	-	79
00078	CRUSHED AGGREGATE SIZE NO 2 (3)	TON	-	-	-	-	-	-	-	11500
01000	PERFORATED PIPE-4 IN (11)	LF	5969	5523	2719	2451	2684	2642	-	21988
01010	NON-PERFORATED PIPE-4 IN (12)	LF	439	307	153	171	179	158	-	1407
01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LS	-	-	-	-	-	-	-	1
01020	PERF PIPE HEADWALL TY 1-4 IN (13)	EACH	2	-	-	-	1	-	-	3
01028	PERF PIPE HEADWALL TY 3-4 IN (14)	EACH	5	15	6	7	8	6	-	47
01032	PERF PIPE HEADWALL TY 4-4 IN (15)	EACH	13	1	2	1	1	2	-	20
01310	REMOVE PIPE (6)	LF	28	202	162	56	84	76	-	608
01718	REMOVE INLET (6)	EACH	1	10	-	-	-	-	-	11
01740	CORED HOLE DRAINAGE BOX CON-4 IN (16)	EACH	-	4	-	1	-	-	-	5
01810	STANDARD CURB AND GUTTER	LF	-	433	-	-	-	-	-	433
01845	ISLAND INTEGRAL CURB	LF	-	-	17	-	17	-	-	34
01923	STANDARD BARRIER MEDIAN TYPE 5	SOYD	-	2935	-	-	-	-	-	2935
01946	MOUNTABLE MEDIAN TYPE 2A	SOYD	-	62	-	-	-	-	-	62
01982	DELINEATOR FOR GUARDRAIL-WHITE	EACH	8	3	-	-	-	1	20	32
01983	DELINEATOR FOR GUARDRAIL-YELLOW	EACH	-	-	4	4	7	6	10	31
01984	DELINEATOR FOR BARRIER-WHITE	EACH	5	-	-	-	-	-	151	156
01985	DELINEATOR FOR BARRIER-YELLOW	EACH	5	-	-	-	-	-	50	55
01992	INSTALL TEMP CONC MED BARR (23) (A)	LF	-	-	-	-	-	-	13480	13480
02003	RELOCATE TEMP CONC BARRIER	LF	-	-	-	-	-	-	21500	21500
02014	BARRICADE-TYPE III	EACH	-	-	-	-	-	-	80	80
02081	JPC PAVEMENT-8 IN SHLD	SOYD	-	-	33	-	34	-	-	67
02091	REMOVE PAVEMENT	SOYD	-	831	156	-	85	-	-	1072
02159	TEMP DITCH	LF	-	-	-	-	-	-	10000	10000
02223	GRANULAR EMBANKMENT (2)	CUYD	-	-	-	-	-	-	-	30667
02230	EMBANKMENT IN PLACE (1)	CUYD	3100	42131	12805	34360	22783	51178	-	166357
02242	WATER (4)	MGAL	-	-	-	-	-	-	3350	3350
02262	FENCE-WOVEN WIRE TYPE 1	LF	-	578	-	-	-	-	-	578
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	654	150	150	143	335	243	-	1675
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	-	1	-	-	-	-	-	1
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	-	-	1	1	1	1	-	4
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	2	-	-	1	-	1	-	4
02381	REMOVE GUARDRAIL (7)	LF	777	2502	862	-	-	1211	-	5352
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	-	1	1	-	1	1	-	4
02397	TEMP GUARDRAIL	LF	-	-	-	-	-	-	1500	1500
02483	CHANNEL LINING CLASS II (19)	TON	40	69	79	12	31	31	-	262
02545	CLEARING AND GRUBBING (22)	LS	-	-	-	-	-	-	-	1
02562	SIGNS (5)	SOFT	-	-	-	-	-	-	1500	1500
02568	MOBILIZATION	LS	-	-	-	-	-	-	-	1
02569	DEMobilIZATION	LS	-	-	-	-	-	-	-	1
02585	EDGE KEY	LF	8858	407	-	-	-	-	-	9265
02599	FABRIC-GEOTEXTILE TYPE IV (17)	SOYD	-	-	-	-	-	-	-	55889
02600	FABRIC-GEOTEXTILE TYPE IV FOR PIPE (8)	SOYD	-	-	-	-	-	-	-	1984
02625	REMOVE HEADWALL (6)	EACH	12	8	2	3	2	4	-	31
02650	MAINTAIN & CONTROL TRAFFIC	LS	-	-	-	-	-	-	-	1
02651	DIVERSIONS (BY-PASS DETOURS) (RAMP B SLIP RAMP)	LS	-	-	-	-	-	-	1	1
02651	DIVERSIONS (BY-PASS DETOURS) (RAMP D SLIP RAMP)	LS	-	-	-	-	-	-	1	1
02653	LANE CLOSURE	EACH	-	-	-	-	-	-	3	3
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	-	-	-	-	-	-	8	8
02676	MOBILIZATION FOR MILL & TEXT	LS	-	-	-	-	-	-	-	1
02677	ASPHALT PAVE MILLING & TEXTURING	TON	1142	-	-	-	-	-	-	1142
02690	SAFELOADING	CUYD	-	57	-	-	-	-	-	57
02720	SIDEWALK-4 IN CONCRETE	SOYD	-	16	-	-	-	-	-	16
02726	STAKING	LS	-	-	-	-	-	-	-	1

DATE _____
 CHECKED BY _____
 APPROVED BY _____

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\file\$specification\$\$\$

E-SHEET NAME:

NOTES:

- (1) TOTAL PROJECT EARTHWORK
- | EXCAVATION | EMBANKMENT |
|--|--|
| 113,686 CU. YD. COMMON
0 CU. YD. ROCK
1,780 CU. YD. SURF. DTS.
0 CU. YD. DETENTION BASINS
4,484 CU. YD. EMB. BENCHES
0 CU. YD. TRANS. BENCHES | 161,873 CU. YD. EMBANKMENT
0 CU. YD. ROCK REFILL
0 CU. YD. SOIL REFILL
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4,484 CU. YD. EMB. BENCHES
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| 119,950 CU. YD. EXCAVATION | 166,357 CU. YD. EMBANKMENT |
- (2) FOR A WORKING PLATFORM FOR EMBANKMENT CONSTRUCTION. SEE GEOTECHNICAL NOTES.
 (3) FOR SOFT OR WET AREAS. SEE GEOTECHNICAL NOTES.
 (4) FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
 (5) FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC ONLY.
 (6) SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE TO A SITE PROVIDED BY THE CONTRACTOR.
 (7) INCLUDES REMOVAL OF END TREATMENTS.
 (8) FOR WRAPPING PIPE TRENCH BACKFILL.
 (9) INCLUDES 16.58 CUBIC YARDS FROM PIPE DRAINAGE SUMMARY.
 (10) INCLUDES 552 LBS. FROM PIPE DRAINAGE SUMMARY.
 (11) INCLUDES 21988 L.F. FROM PIPE UNDERDRAIN SUMMARY.
 (12) INCLUDES 1407 L.F. FROM PIPE UNDERDRAIN SUMMARY.
 (13) INCLUDES 3 EACH FROM PIPE UNDERDRAIN SUMMARY.
 (14) INCLUDES 47 EACH FROM PIPE UNDERDRAIN SUMMARY.
 (15) INCLUDES 20 EACH FROM PIPE UNDERDRAIN SUMMARY.
 (16) INCLUDES 5 EACH FROM PIPE UNDERDRAIN SUMMARY.
 (17) INCLUDES 22222 SQUARE YARDS FOR A WORKING PLATFORM.
 INCLUDES 33667 SQUARE YARDS FOR SOFT OR WET AREAS.
 (18) INCLUDES BOTH US 231 BRIDGES OVER I-65. INCLUDES REMOVAL OF I-65 MEDIAN BARRIER WALL FOR CONSTRUCTION OF NEW PIER (APPROX. 510 L.F.).
 (19) INCLUDES 187 TONS FROM PIPE DRAINAGE SUMMARY.
 (20) INCLUDES 156 SQ YD FROM PIPE DRAINAGE SUMMARY.
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 (22) INCLUDES APPROXIMATELY 33 ACRES.
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GENERAL SUMMARY

REVISÉ 10-17-2011

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	I-65	US 231	RAMP A & A1 INCLUDES EX. RAMP A	RAMP B & B1 INCLUDES EX. RAMP B	RAMP C & C1 INCLUDES EX. RAMP C	RAMP D & D1 INCLUDES EX. RAMP D	TEMPORARY CONSTRUCTION	TOTAL PROJECT
00078	CRUSHED AGGREGATE SIZE NO 2	TON	22	19	9	9	11	9	-	79
00078	CRUSHED AGGREGATE SIZE NO 2 (3)	TON	-	-	-	-	-	-	-	11500
01000	PERFORATED PIPE-4 IN (11)	LF	5969	5523	2719	2451	2684	2642	-	21988
01010	NON-PERFORATED PIPE-4 IN (12)	LF	439	307	153	171	179	158	-	1407
01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LS	-	-	-	-	-	-	-	1
01020	PERF PIPE HEADWALL TY 1-4 IN (13)	EACH	2	-	-	-	1	-	-	3
01028	PERF PIPE HEADWALL TY 3-4 IN (14)	EACH	5	15	6	7	8	6	-	47
01032	PERF PIPE HEADWALL TY 4-4 IN (15)	EACH	13	1	2	1	1	2	-	20
01310	REMOVE PIPE (6)	LF	28	202	162	56	84	76	-	608
01718	REMOVE INLET (6)	EACH	1	10	-	-	-	-	-	11
01740	CORED HOLE DRAINAGE BOX CON-4 IN (16)	EACH	-	4	-	1	-	-	-	5
01810	STANDARD CURB AND GUTTER	LF	-	433	-	-	-	-	-	433
01845	ISLAND INTEGRAL CURB	LF	-	-	17	-	17	-	-	34
01923	STANDARD BARRIER MEDIAN TYPE 5	SOYD	-	2935	-	-	-	-	-	2935
01946	MOUNTABLE MEDIAN TYPE 2A	SOYD	-	62	-	-	-	-	-	62
01982	DELINATOR FOR GUARDRAIL-WHITE	EACH	8	3	-	-	1	1	20	32
01983	DELINATOR FOR GUARDRAIL-YELLOW	EACH	-	-	4	4	7	6	10	31
01984	DELINATOR FOR BARRIER-WHITE	EACH	5	-	-	-	-	-	151	156
01985	DELINATOR FOR BARRIER-YELLOW	EACH	5	-	-	-	-	-	50	55
01992	INSTALL TEMP CONC MED BARR (23) (23)	LF	-	-	-	-	-	-	13480	13480
02003	RELOCATE TEMP CONC BARRIER	LF	-	-	-	-	-	-	21500	21500
02014	BARRICADE-TYPE III	EACH	-	-	-	-	-	-	80	80
02081	JPS PAVEMENT-8 IN SHLD	SOYD	-	-	33	-	34	-	-	67
02091	REMOVE PAVEMENT	SOYD	-	831	156	-	85	-	-	1072
02159	TEMP DITCH	LF	-	-	-	-	-	-	10000	10000
02223	GRANULAR EMBANKMENT (2)	CUYD	-	-	-	-	-	-	-	30667
02230	EMBANKMENT IN PLACE (1)	CUYD	3100	42131	12805	34360	22783	51178	-	166357
02242	WATER (4)	MGAL	-	-	-	-	-	-	3350	3350
02262	FENCE-WOVEN WIRE TYPE 1	LF	-	578	-	-	-	-	-	578
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	654	150	150	143	335	243	-	1675
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	-	1	-	-	-	-	-	1
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	-	-	1	1	1	1	-	4
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	2	-	-	1	-	-	-	4
02381	REMOVE GUARDRAIL (7)	LF	777	2502	862	-	-	1211	-	5352
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	-	1	1	-	1	-	-	4
02397	TEMP GUARDRAIL	LF	-	-	-	-	-	-	1500	1500
02483	CHANNEL LINING CLASS II (19)	TON	40	69	79	12	31	31	-	262
02545	CLEARING AND GRUBBING (22)	LS	-	-	-	-	-	-	-	1
02562	SIGNS (5)	SOFT	-	-	-	-	-	-	1500	1500
02568	MOBILIZATION	LS	-	-	-	-	-	-	-	1
02569	DEMOBILIZATION	LS	-	-	-	-	-	-	-	1
02585	EDGE KEY	LF	8858	407	-	-	-	-	-	9265
02599	FABRIC-GEOTEXTILE TYPE IV (17)	SOYD	-	-	-	-	-	-	-	55889
02600	FABRIC-GEOTEXTILE TYPE IV FOR PIPE (8)	SOYD	-	-	-	-	-	-	-	1984
02625	REMOVE HEADWALL (6)	EACH	12	8	2	3	2	4	-	31
02650	MAINTAIN & CONTROL TRAFFIC	LS	-	-	-	-	-	-	-	1
02651	DIVERSIONS (BY-PASS DETOURS) (RAMP B SLIP RAMP)	LS	-	-	-	-	-	-	1	1
02651	DIVERSIONS (BY-PASS DETOURS) (RAMP D SLIP RAMP)	LS	-	-	-	-	-	-	1	1
02653	LANE CLOSURE	EACH	-	-	-	-	-	-	3	3
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	-	-	-	-	-	-	8	8
02676	MOBILIZATION FOR MILL & TEXT	TON	1142	-	-	-	-	-	-	1142
02677	ASPHALT PAVE MILLING & TEXTURING	CUYD	-	57	-	-	-	-	-	57
02690	SAFELOADING	SOYD	-	16	-	-	-	-	-	16
02720	SIDEWALK-4 IN CONCRETE	LS	-	-	-	-	-	-	-	1
02726	STAKING	LS	-	-	-	-	-	-	-	1

NOTES:

1 TOTAL PROJECT EARTHWORK

EXCAVATION	EMBANKMENT
113,686 CU. YD. COMMON 0 CU. YD. ROCK 1,780 CU. YD. SURF. DTS. 0 CU. YD. DETENTION BASINS 4,484 CU. YD. EMB. BENCHES 0 CU. YD. TRANS. BENCHES	161,873 CU. YD. EMBANKMENT 0 CU. YD. ROCK REFILL 0 CU. YD. SOIL REFILL 0 CU. YD. DETENTION BASINS 4,484 CU. YD. EMB. BENCHES 0 CU. YD. TRANS. BENCHES
119,950 CU. YD. EXCAVATION	166,357 CU. YD. EMBANKMENT

- 2 FOR A WORKING PLATFORM FOR EMBANKMENT CONSTRUCTION. SEE GEOTECHNICAL NOTES.
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- 9 INCLUDES 16.58 CUBIC YARDS FROM PIPE DRAINAGE SUMMARY.
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GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	I-65	US 231	RAMP A & A1 INCLUDES EX. RAMP A	RAMP B & B1 INCLUDES EX. RAMP B	RAMP C & C1 INCLUDES EX. RAMP C	RAMP D & D1 INCLUDES EX. RAMP D	TEMPORARY CONSTRUCTION	TOTAL PROJECT
02731	REMOVE STRUCTURE (8)	LS	-	1	-	-	-	-	-	1
02775	ARROW PANEL	EACH	-	-	-	-	-	-	2	2
02898	RELOCATE CRASH CUSHION	EACH	-	-	-	-	-	-	8	8
03171	CONCRETE BARRIER WALL TYPE 9T	LF	-	-	-	-	-	-	1000	1000
03287	SIDEWALK RAMP TYPE 1	EACH	-	1	-	-	-	-	-	1
05950	EROSION CONTROL BLANKET (20)	SOYD	6273	4686	2344	1285	1140	2004	-	17732
05966	TOPDRESSING FERTILIZER	TON	2.2	0.8	2.1	1.9	0.7	2.1	-	9.8
05985	SEEDING AND PROTECTION	SOYD	42823	15255	39576	35937	14291	39796	-	187678
05989	SPECIAL SEEDING CROWN VETCH	SOYD	10380	1094	651	647	1591	3802	-	18165
05990	SODDING	SOYD	-	584	-	-	-	-	-	584
06417	FLEXIBLE DELINEATOR POST-W	EACH	78	43	27	22	26	22	-	218
06418	FLEXIBLE DELINEATOR POST-Y	EACH	-	-	13	15	11	15	-	54
06510	PAVE STRIPING-TEMP PAINT-4IN	LF	-	-	-	-	-	-	113653	113653
06511	PAVE STRIPING-TEMP PAINT-6IN	LF	-	-	-	-	-	-	113361	113361
06514	PAVE STRIPING-PERM PAINT-4IN	LF	-	21089	-	-	-	-	-	21089
06516	PAVE STRIPING-PERM PAINT-8IN	LF	-	240	-	-	-	-	-	240
06554	PAVE STRIPING-DUR TY 1-4 IN W	LF	-	100	-	-	-	-	-	100
06556	PAVE STRIPING-DUR TY 1-6 IN W	LF	-	19	9	16	16	9	-	53
06557	PAVE STRIPING-DUR TY 1-6 IN Y	LF	-	-	168	64	166	62	-	460
06558	PAVE STRIPING-DUR TY 1-8 IN W	LF	-	162	-	-	-	-	-	162
06560	PAVE STRIPING-DUR TY 1-12 IN W	LF	-	-	75	34	68	33	-	210
06561	PAVE STRIPING-DUR TY 1-12 IN Y	LF	-	214	-	-	-	-	-	214
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF	-	376	39	-	24	-	-	439
06570	PAVE MARKING-PAINT CROSS-HATCH	SOFT	-	11470	-	-	-	-	-	11470
06572	PAVE MARKING-DOTTED LANE EXTEN	LF	3760	302	13	5	14	4	-	4098
06574	PAVE MARKING-THERMO CURV ARROW	EACH	-	62	-	-	-	-	-	62
06576	PAVE MARKING-THERMO ONLY	EACH	-	7	-	-	-	-	-	7
06585	PAVEMENT MARKER TY IVA-MW TEMP	EACH	-	-	-	-	-	-	500	500
06586	PAVEMENT MARKER TY IVA-MY TEMP	EACH	-	-	-	-	-	-	500	500
06589	PAVEMENT MARKER TYPE V-MW	EACH	-	286	3	2	21	2	-	314
06590	PAVEMENT MARKER TYPE V-MY	EACH	-	153	-	-	-	-	-	153
06591	PAVEMENT MARKER TYPE V-BY	EACH	-	18	-	-	-	-	-	18
06592	PAVEMENT MARKER TYPE V-B W/R	EACH	163	30	50	40	48	41	-	372
06593	PAVEMENT MARKER TYPE V-B Y/R	EACH	-	-	27	25	7	27	-	86
08100	CONCRETE-CLASS A (9)	CUYD	2.28	5.36	1.86	0.93	3.54	2.61	-	16.58
08150	STEEL REINFORCEMENT (10)	LB	16	206	16	8	157	149	-	552
08905	CRASH CUSHION TY VI CLASS CT	EACH	-	-	-	-	-	-	9	9
10020NS	FUEL ADJUSTMENT	DOLL	-	-	-	-	-	-	-	89181
10030NS	ASPHALT ADJUSTMENT	DOLL	-	-	-	-	-	-	-	132034
20099ES842	PAVE MARK TEMP PAINT STOP BAR	LF	-	-	-	-	-	-	1220	1220
20411ED	LAW ENFORCEMENT OFFICER	HOURL	-	-	-	-	-	-	800	800
20456NS835	INSTALL TEMP VIDEO CAMERA	EACH	-	-	-	-	-	-	17	17
21383ES508	CONCRETE MEDIAN BARRIER TY 14C2(50)	LF	368	-	-	-	-	-	-	368
23131ER701	PIPELINE VIDEO INSPECTION	LF	104	906	88	69	166	227	-	1560
23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	LS	-	-	-	-	-	-	-	1
23158ES505	DETECTABLE WARNINGS	SOFT	-	16	-	-	-	-	-	16
23163ED	TEMPORARY SIGNAL MODIFICATION	EACH	-	-	-	-	-	-	12	12
23237EN10W	WATERBLAST STRIPE REMOVAL	LF	2000	-	-	-	-	-	25000	27000
23274EN11F	TURF REINFORCEMENT MAT 1 (2)	SOYD	-	589	373	1013	421	421	-	2396
24189ER	DURABLE WATERBORNE MARKING - 6 IN W	LF	11683	-	2120	1674	2136	1967	-	19580
24190ER	DURABLE WATERBORNE MARKING - 6 IN Y	LF	2370	-	950	951	893	1046	-	6210
24191ER	DURABLE WATERBORNE MARKING - 12 IN W	LF	1184	-	1209	518	1241	508	-	4660
24388ES508	CONCRETE MEDIAN BARRIER TY 14C1(50)	LF	242	-	-	-	-	-	-	242

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$design\file\$specification\$\$\$

E-SHEET NAME:

PREPARED BY _____
CHECKED BY _____
APPROVED BY _____
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- ㉒ INCLUDES 156 SQ YD FROM PIPE DRAINAGE SUMMARY.
- ㉓ INCLUDES 25 SQ YD FROM PIPE DRAINAGE SUMMARY.
- ㉔ INCLUDES APPROXIMATELY 33 ACRES.
- ㉕ TO BE OBTAINED FROM THE WARREN COUNTY MAINTENANCE LOT. MISSING BOLTS, NUTS, AND WASHERS SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT. THE DEPARTMENT DOES NOT ENSURE THE CONDITION OF THE EXISTING BARRIER HARDWARE AND ANY ADDITIONAL HARDWARE REQUIRED AS A RESULT OF DAMAGED OR UNUSABLE HARDWARE IS THE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL SUMMARY

REVISD 10-17-2011

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	I-65	US 231	RAMP A & A1 INCLUDES EX. RAMP	RAMP B & B1 INCLUDES EX. RAMP	RAMP C & C1 INCLUDES EX. RAMP	RAMP D & D1 INCLUDES EX. RAMP	TEMPORARY CONSTRUCTION	TOTAL PROJECT
02731	REMOVE STRUCTURE (8)	LS	-	-	-	-	-	-	-	1
02775	ARROW PANEL	EACH	-	-	-	-	-	-	2	2
02898	RELOCATE CRASH CUSHION	EACH	-	-	-	-	-	-	8	8
03171	CONCRETE BARRIER WALL TYPE 9T	LF	-	-	-	-	-	-	1000	1000
03287	SIDEWALK RAMP TYPE 1	EACH	-	-	-	-	-	-	1	1
05950	EROSION CONTROL BLANKET (2)	SOYD	6273	4686	2344	1285	1140	2004	-	17732
05966	TOPDRESSING FERTILIZER	TON	2.2	0.8	2.1	1.9	0.7	2.1	-	9.8
05985	SEEDING AND PROTECTION	SOYD	42823	15255	39576	35937	14291	39796	-	187678
05989	SPECIAL SEEDING CROWN VETCH	SOYD	10380	1094	651	647	1591	3802	-	18165
05990	SODDING	SOYD	-	584	-	-	-	-	-	584
06417	FLEXIBLE DELINEATOR POST-W	EACH	78	43	27	22	26	22	-	218
06418	FLEXIBLE DELINEATOR POST-Y	EACH	-	-	13	15	11	15	-	54
06510	PAVE STRIPING-TEMP PAINT-4IN	LF	-	-	-	-	-	-	113653	113653
06511	PAVE STRIPING-TEMP PAINT-6IN	LF	-	-	-	-	-	-	113361	113361
06514	PAVE STRIPING-PERM PAINT-4IN	LF	-	21089	-	-	-	-	-	21089
06516	PAVE STRIPING-PERM PAINT-8IN	LF	-	240	-	-	-	-	-	240
06554	PAVE STRIPING-DUR TY 1-4 IN W	LF	-	100	-	-	-	-	-	100
06556	PAVE STRIPING-DUR TY 1-6 IN W	LF	-	-	19	9	16	9	-	53
06557	PAVE STRIPING-DUR TY 1-6 IN Y	LF	-	-	168	64	166	62	-	460
06558	PAVE STRIPING-DUR TY 1-8 IN W	LF	-	162	-	-	-	-	-	162
06560	PAVE STRIPING-DUR TY 1-12 IN W	LF	-	-	75	34	68	33	-	210
06561	PAVE STRIPING-DUR TY 1-12 IN Y	LF	-	214	-	-	-	-	-	214
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF	-	376	39	-	24	-	-	439
06570	PAVE MARKING-PAINT CROSS-HATCH	SOFT	-	11470	-	-	-	-	-	11470
06572	PAVE MARKING-DOTTED LANE EXTEN	LF	3760	302	13	5	14	4	-	4098
06574	PAVE MARKING-THERMO CURV ARROW	EACH	-	62	-	-	-	-	-	62
06576	PAVE MARKING-THERMO ONLY	EACH	-	7	-	-	-	-	-	7
06585	PAVEMENT MARKER TY IVA-MW TEMP	EACH	-	-	-	-	-	-	500	500
06586	PAVEMENT MARKER TY IVA-MY TEMP	EACH	-	-	-	-	-	-	500	500
06589	PAVEMENT MARKER TYPE V-MW	EACH	-	286	3	2	21	2	-	314
06590	PAVEMENT MARKER TYPE V-MY	EACH	-	153	-	-	-	-	-	153
06591	PAVEMENT MARKER TYPE V-BY	EACH	-	18	-	-	-	-	-	18
06592	PAVEMENT MARKER TYPE V-B W/R	EACH	163	30	50	40	48	41	-	372
06593	PAVEMENT MARKER TYPE V-B Y/R	EACH	-	-	27	25	7	27	-	86
08100	CONCRETE-CLASS A (9)	CUYD	2.28	5.36	1.86	0.93	3.54	2.61	-	16.58
08150	STEEL REINFORCEMENT (10)	LB	16	206	16	8	157	149	-	552
08905	CRASH CUSHION TY VI CLASS CT	EACH	-	-	-	-	-	-	9	9
10020NS	FUEL ADJUSTMENT	DOLL	-	-	-	-	-	-	-	89181
10030NS	ASPHALT ADJUSTMENT	DOLL	-	-	-	-	-	-	-	132034
20099ES842	PAVE MARK TEMP PAINT STOP BAR	LF	-	-	-	-	-	-	1220	1220
2041ED	LAW ENFORCEMENT OFFICER	HOURL	-	-	-	-	-	-	800	800
20456NS835	INSTALL TEMP VIDEO CAMERA	EACH	-	-	-	-	-	-	17	17
21383ES508	CONCRETE MEDIAN BARRIER TY 14C2(50)	LF	368	-	-	-	-	-	-	368
23131ER701	PIPELINE VIDEO INSPECTION	LF	104	906	88	69	166	227	-	1560
23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	LS	-	-	-	-	-	-	-	1
23158ES505	DETECTABLE WARNINGS	SOFT	-	16	-	-	-	-	-	16
23163ED	TEMPORARY SIGNAL MODIFICATION	EACH	-	-	-	-	-	-	12	12
23237EN10W	WATERBLAST STRIPE REMOVAL	LF	2000	-	-	-	-	-	25000	27000
23274EN1IF	TURF REINFORCEMENT MAT 1 (2)	SOYD	-	-	589	373	1013	421	-	2396
24189ER	DURABLE WATERBORNE MARKING - 6 IN W	LF	11683	-	2120	1674	2136	1967	-	19580
24190ER	DURABLE WATERBORNE MARKING - 6 IN Y	LF	2370	-	950	351	893	1046	-	6210
24191ER	DURABLE WATERBORNE MARKING - 12 IN W	LF	1184	-	1209	518	1241	508	-	4660
24388ES508	CONCRETE MEDIAN BARRIER TY 14C1(50)	LF	242	-	-	-	-	-	-	242

NOTES:
 1 TOTAL PROJECT EARTHWORK

EXCAVATION		EMBANKMENT	
113,686	CU. YD. COMMON	161,873	CU. YD. EMBANKMENT
0	CU. YD. ROCK	0	CU. YD. ROCK REFILL
1,780	CU. YD. SURF. DTS.	0	CU. YD. SOIL REFILL
0	CU. YD. DETENTION BASINS	0	CU. YD. DETENTION BASINS
4,484	CU. YD. EMB. BENCHES	4,484	CU. YD. EMB. BENCHES
0	CU. YD. TRANS. BENCHES	0	CU. YD. TRANS. BENCHES
119,950	CU. YD. EXCAVATION	166,357	CU. YD. EMBANKMENT

- 2 FOR A WORKING PLATFORM FOR EMBANKMENT CONSTRUCTION. SEE GEOTECHNICAL NOTES.
- 3 FOR SOFT OR WET AREAS. SEE GEOTECHNICAL NOTES.
- 4 FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
- 5 FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC ONLY.
- 6 SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE TO A SITE PROVIDED BY THE CONTRACTOR.
- 7 INCLUDES REMOVAL OF END TREATMENTS.
- 8 FOR WRAPPING PIPE TRENCH BACKFILL.
- 9 INCLUDES 16.58 CUBIC YARDS FROM PIPE DRAINAGE SUMMARY.
- 10 INCLUDES 552 LBS. FROM PIPE DRAINAGE SUMMARY.
- 11 INCLUDES 21988 L.F. FROM PIPE UNDERDRAIN SUMMARY.
- 12 INCLUDES 1407 L.F. FROM PIPE UNDERDRAIN SUMMARY.
- 13 INCLUDES 3 EACH FROM PIPE UNDERDRAIN SUMMARY.
- 14 INCLUDES 47 EACH FROM PIPE UNDERDRAIN SUMMARY.
- 15 INCLUDES 20 EACH FROM PIPE UNDERDRAIN SUMMARY.
- 16 INCLUDES 5 EACH FROM PIPE UNDERDRAIN SUMMARY.
- 17 INCLUDES 22222 SQUARE YARDS FOR A WORKING PLATFORM. INCLUDES 33667 SQUARE YARDS FOR SOFT OR WET AREAS.
- 18 INCLUDES BOTH US 231 BRIDGES OVER I-65. INCLUDES REMOVAL OF I-65 MEDIAN BARRIER WALL FOR CONSTRUCTION OF NEW PIER (APPROX. 510 L.F.).
- 19 INCLUDES 187 TONS FROM PIPE DRAINAGE SUMMARY.
- 20 INCLUDES 156 SQ YD FROM PIPE DRAINAGE SUMMARY.
- 21 INCLUDES 25 SQ YD FROM PIPE DRAINAGE SUMMARY.
- 22 INCLUDES APPROXIMATELY 33 ACRES.
- 23 TO BE OBTAINED FROM THE WARREN COUNTY MAINTENANCE LOT. MISSING BOLTS, NUTS, AND WASHERS SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT. THE DEPARTMENT DOES NOT ENSURE THE CONDITION OF THE EXISTING BARRIER HARDWARE AND ANY ADDITIONAL HARDWARE REQUIRED AS A RESULT OF DAMAGED OR UNUSABLE HARDWARE IS THE RESPONSIBILITY OF THE CONTRACTOR.

DATE _____ PREPARED BY _____
 DATE _____ CHECKED BY _____
 DATE _____ APPROVED BY _____

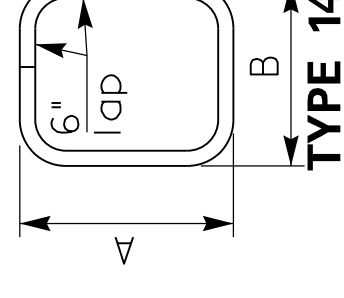
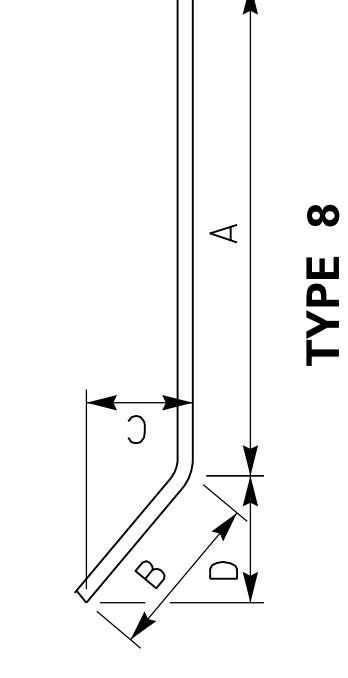
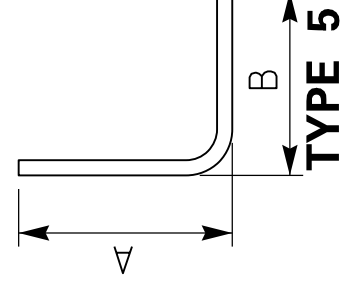
BILL OF REINFORCEMENT

MARK	TYPE	NO.		SIZE	LENGTH		LOCATION	A		B		C		D	
		PHASE II	PHASE III		TOTAL	FT.		IN.	FT.	IN.	FT.	IN.	FT.	IN.	
A1	STR	40	32	#7	30	0	PILE CAP								
A2							NOT USED								
A3	STR	16	16	#5	30	0	PILE CAP								
A4							NOT USED								
A5	STR	8	8	#5	8	9	PILE CAP								
A6	STR	14	122	#5	11	10	PILE CAP	3	0	2	8				
A7							NOT USED								
A8	STR	2	0	#5	14	9	WING A CAP								
A9	THRU A13						NOT USED								
A14	STR	8	11	#5	12	6	WING A-D CAPS	3	1	2	8				
A15	STR	0	2	#7	19	0	WING A CAP								
A16	STR	0	2	#7	17	11	WING A CAP								
A17	STR	0	2	#7	16	10	WING A CAP								
A18	STR	0	2	#7	15	9	WING A CAP								
A19	STR	0	2	#5	18	0	WING A CAP								
A20	THRU A24						NOT USED								
A25	STR	8	0	#7	12	3	PILE CAP								
A26	STR	4	0	#5	30	0	PILE CAP								
A27	STR	0	8	#7	50	0	PILE CAP								
A28	STR	0	8	#7	9	9	PILE CAP								
A29	STR	0	4	#5	45	0	PILE CAP								
A30	STR	0	4	#5	5	6	PILE CAP								
A31	STR	0	4	#5	34	8	PILE CAP								
A32	STR	0	28	#5	15	8	PILE CAP								
A33	STR	8	2	#7	13	1	WING B CAP	7	5	5	8	3	3 3/4	4	7/4
A34	STR	8	2	#7	12	9	WING B CAP	7	3	5	6	3	2 1/2	4	5 1/2
A35	STR	8	2	#7	12	0	WING B CAP	6	10 1/2	5	11 1/2	3	0 1/4	4	2
A36	STR	8	2	#7	11	7	WING B CAP	6	8	4	11	2	10 1/2	4	0
A37	STR	8	2	#5	13	1	WING B CAP	7	5	5	8	3	3 3/4	4	7/4
A38	STR	8	2	#5	11	7	WING B CAP	6	8	4	11	2	10 1/2	4	0
A39E	STR	462	532	#5	5	1	PILE CAP & DIAPHRAGM								
A40E	STR	11	13	#5	8	5	DIAPHRAGM								
A41E	STR	44	52	#5	10	4	DIAPHRAGM								
A42E	STR	11	13	#5	6	8	DIAPHRAGM								
A43E	STR	36	45	#5	30	0	DIAPHRAGM								
A44E							NOT USED								
A45E	STR	0	1	#5	3	8	DIAPHRAGM								
A46E	STR	0	4	#5	4	8	DIAPHRAGM								
A47E	STR	0	1	#5	2	10	DIAPHRAGM								
A48E							NOT USED								
A49E	STR	1	0	#5	3	11	DIAPHRAGM								
A50E	STR	4	0	#5	4	11	DIAPHRAGM								
A51E	STR	1	0	#5	3	0	DIAPHRAGM								
A52E	STR	9	0	#5	34	9	DIAPHRAGM								
A53E	STR	0	9	#5	23	6	DIAPHRAGM								
A54E	STR	5	104	#5	7	4	DIAPHRAGM & SLAB	3	7	3	9				
A55E	THRU A74E						NOT USED								
A75E	STR	0	1	#5	15	6	WINGWALL A								
A76E	STR	0	1	#5	17	6	WINGWALL A								
A77E	STR	0	1	#5	21	0	WINGWALL A								
A78E	STR	0	4	#5	22	0	WINGWALL A								
A79E	STR	0	1	#6	16	3	WINGWALL A								
A80E	STR	0	1	#6	18	0	WINGWALL A								
A81E	STR	0	1	#6	21	9	WINGWALL A								
A82E	STR	0	4	#6	23	0	WINGWALL A								

* BAR REQUIRES A MECHANICAL COUPLER. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE BAR LENGTH BASED ON THE APPROVED COUPLER AT NO ADDITIONAL COST.

BILL OF REINFORCEMENT

MARK	TYPE	NO.		SIZE	LENGTH		LOCATION	A		B		C		D	
		PHASE II	PHASE III		TOTAL	FT.		IN.	FT.	IN.	FT.	IN.	FT.	IN.	
A83E	THRU A104E						NOT USED								
A105E	STR	0	2	#5	5	10	WINGWALL A								
A106E	STR	0	2	#5	5	9	WINGWALL A								
A107E	STR	0	2	#5	5	8	WINGWALL A								
A108E	STR	0	2	#5	5	8	WINGWALL A								
A109E	STR	0	2	#5	5	7	WINGWALL A								
A110E	STR	0	2	#5	5	7	WINGWALL A								
A111E	STR	0	2	#5	5	6	WINGWALL A								
A112E	STR	0	2	#5	5	5	WINGWALL A								
A113E	STR	0	2	#5	5	5	WINGWALL A								
A114E	STR	0	2	#5	5	4	WINGWALL A								
A115E	STR	0	2	#5	5	3	WINGWALL A								
A116E	STR	0	2	#5	5	3	WINGWALL A								
A117E	STR	0	2	#5	5	2	WINGWALL A								
A118E	STR	0	2	#5	5	0	WINGWALL A								
A119E	STR	0	2	#5	4	7	WINGWALL A								
A120E	STR	0	2	#5	4	3	WINGWALL A								
A121E	STR	0	2	#5	3	11	WINGWALL A								
A122E	STR	0	2	#5	3	6	WINGWALL A								
A123E	STR	0	2	#5	3	2	WINGWALL A								
A124E	STR	0	2	#5	2	10	WINGWALL A								
A125E	STR	8	0	#5	10	9	WINGWALL A	7	2	3	7	1	0 1/2	3	5
A126E	STR	2	0	#5	5	10	WINGWALL B								
A127E	STR	2	0	#5	5	10	WINGWALL B								
A128E	STR	2	0	#5	5	9	WINGWALL B								
A129E	STR	2	0	#5	5	9	WINGWALL B								
A130E	STR	2	0	#5	5	8	WINGWALL B								
A131E	STR	2	0	#5	5	8	WINGWALL B								
A132E	STR	2	0	#5	5	7	WINGWALL B								
A133E	STR	2	0	#5	5	7	WINGWALL B								
A134E	STR	2	0	#5	5	6	WINGWALL B								
A135E	STR	2	0	#5	5	4	WINGWALL B								
A136E	STR	2	0	#5	4	11	WINGWALL B								
A137E	STR	2	0	#5	4	6	WINGWALL B								
A138E	STR	2	0	#5	4	1	WINGWALL B								
A139E	STR	2	0	#5	3	8	WINGWALL B								
A140E	STR	2	0	#5	3	3	WINGWALL B								
A141E	STR	2	0	#5	2	10	WINGWALL B								
A142E	STR	1	0	#5	11	9	WINGWALL B	5	2	6	7	3	10	5	4
A143E	STR	1	0	#5	13	2	WINGWALL B	6	7	6	7	3	10	5	4
A144E	STR	1	0	#5	15	10	WINGWALL B	9	3	6	7	3	10	5	4
A145E	STR	5	0	#5	18	5	WINGWALL B	11	10	6	7	3	10	5	4
A146E	STR	8	1	#6	12	7	WINGWALL B	5	7	7	0	4	1	5	8
A147E	STR	8	1	#6	13	11	WINGWALL B	6	11	7	0	4	1	5	8
A148E	STR	8	1	#6	16	8	WINGWALL B	9	8	7	0	4	1	5	8
A149E	STR	5	0	#6	19	3	WINGWALL B	12	3	7	0	4	1	5	8
A150E	STR	2	0	#5	10	10	WINGWALL B	7	3	3	7	1	2 1/2	3	4



Asterisk added to A26

10/2011

DATE: _____ REVISION _____ CHECKED BY _____
 DESIGNED BY: W. A. HILLARD M. DW

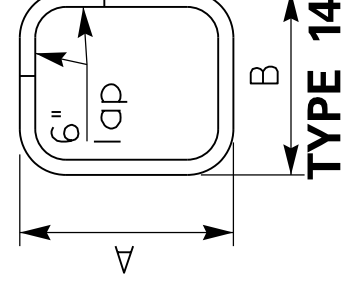
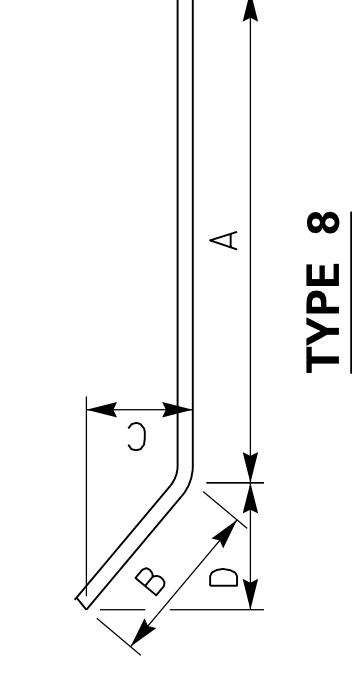
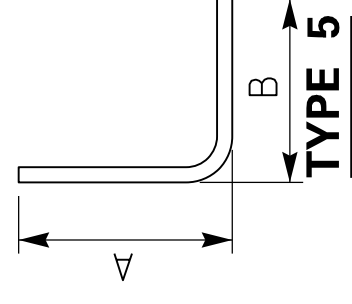
BILL OF REINFORCEMENT

MARK	TYPE	NO.		SIZE	LENGTH		LOCATION	A		B		C		D	
		PHASE II	PHASE III		TOTAL	FT.		IN.	FT.	IN.	FT.	IN.	FT.	IN.	
A1	STR	40	32	#7	30	0	PILE CAP								
A2							NOT USED								
A3	STR	16	16	#5	30	0	PILE CAP								
A4							NOT USED								
A5	STR	8	8	#5	8	9	PILE CAP								
A6	STR	14	122	#5	11	10	PILE CAP	3	0	2	8				
A7							NOT USED								
A8	STR	2	0	#5	14	9	WING A CAP								
A9	THRU A13						NOT USED								
A14	STR	8	11	#5	12	6	WING A-D CAPS	3	1	2	8				
A15	STR	0	2	#7	19	0	WING A CAP								
A16	STR	0	2	#7	17	11	WING A CAP								
A17	STR	0	2	#7	16	10	WING A CAP								
A18	STR	0	2	#7	15	9	WING A CAP								
A19	STR	0	2	#5	18	0	WING A CAP								
A20	THRU A24						NOT USED								
A25	STR	8	0	#7	12	3	PILE CAP								
A26	STR	4	0	#5	30	0	PILE CAP								
A27	STR	0	8	#7	50	0	PILE CAP								
A28	STR	0	8	#7	9	9	PILE CAP								
A29	STR	0	4	#5	45	0	PILE CAP								
A30	STR	0	4	#5	5	6	PILE CAP								
A31	STR	0	4	#5	34	8	PILE CAP								
A32	STR	0	28	#5	15	8	PILE CAP								
A33	STR	8	2	#7	13	1	WING B CAP	7	5	5	8	3	3 3/4	4	7/4
A34	STR	8	2	#7	12	9	WING B CAP	7	3	5	6	3	2 1/2	4	5 1/2
A35	STR	8	2	#7	12	0	WING B CAP	6	10 1/2	5	11 1/2	3	0 1/4	4	2
A36	STR	8	2	#7	11	7	WING B CAP	6	8	4	11	2	10 1/2	4	0
A37	STR	8	2	#5	13	1	WING B CAP	7	5	5	8	3	3 3/4	4	7/4
A38	STR	8	2	#5	11	7	WING B CAP	6	8	4	11	2	10 1/2	4	0
A39E	STR	462	532	#5	5	1	PILE CAP & DIAPHRAGM								
A40E	STR	11	13	#5	8	5	DIAPHRAGM								
A41E	STR	44	52	#5	10	4	DIAPHRAGM								
A42E	STR	11	13	#5	6	8	DIAPHRAGM								
A43E	STR	36	45	#5	30	0	DIAPHRAGM								
A44E							NOT USED								
A45E	STR	0	1	#5	3	8	DIAPHRAGM								
A46E	STR	0	4	#5	4	8	DIAPHRAGM								
A47E	STR	0	1	#5	2	10	DIAPHRAGM								
A48E							NOT USED								
A49E	STR	1	0	#5	3	11	DIAPHRAGM								
A50E	STR	4	0	#5	4	11	DIAPHRAGM								
A51E	STR	1	0	#5	3	0	DIAPHRAGM								
A52E	STR	9	0	#5	34	9	DIAPHRAGM								
A53E	STR	0	9	#5	23	6	DIAPHRAGM								
A54E	STR	104	121	#5	7	4	DIAPHRAGM & SLAB	3	7	3	9				
A55E	THRU A74E						NOT USED								
A75E	STR	0	1	#5	15	6	WINGWALL A								
A76E	STR	0	1	#5	17	6	WINGWALL A								
A77E	STR	0	1	#5	21	0	WINGWALL A								
A78E	STR	0	4	#5	22	0	WINGWALL A								
A79E	STR	0	1	#6	16	3	WINGWALL A								
A80E	STR	0	1	#6	18	0	WINGWALL A								
A81E	STR	0	1	#6	21	9	WINGWALL A								
A82E	STR	0	4	#6	23	0	WINGWALL A								

* BAR REQUIRES A MECHANICAL COUPLER. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE BAR LENGTH BASED ON THE APPROVED COUPLER AT NO ADDITIONAL COST.

BILL OF REINFORCEMENT

MARK	TYPE	NO.		SIZE	LENGTH		LOCATION	A		B		C		D	
		PHASE II	PHASE III		TOTAL	FT.		IN.	FT.	IN.	FT.	IN.	FT.	IN.	
A83E	THRU A104E						NOT USED								
A105E	STR	0	2	#5	5	10	WINGWALL A								
A106E	STR	0	2	#5	5	9	WINGWALL A								
A107E	STR	0	2	#5	5	8	WINGWALL A								
A108E	STR	0	2	#5	5	8	WINGWALL A								
A109E	STR	0	2	#5	5	7	WINGWALL A								
A110E	STR	0	2	#5	5	7	WINGWALL A								
A111E	STR	0	2	#5	5	6	WINGWALL A								
A112E	STR	0	2	#5	5	5	WINGWALL A								
A113E	STR	0	2	#5	5	5	WINGWALL A								
A114E	STR	0	2	#5	5	4	WINGWALL A								
A115E	STR	0	2	#5	5	3	WINGWALL A								
A116E	STR	0	2	#5	5	3	WINGWALL A								
A117E	STR	0	2	#5	5	2	WINGWALL A								
A118E	STR	0	2	#5	5	0	WINGWALL A								
A119E	STR	0	2	#5	4	7	WINGWALL A								
A120E	STR	0	2	#5	4	3	WINGWALL A								
A121E	STR	0	2	#5	3	11	WINGWALL A								
A122E	STR	0	2	#5	3	6	WINGWALL A								
A123E	STR	0	2	#5	3	2	WINGWALL A								
A124E	STR	0	2	#5	2	10	WINGWALL A								
A125E	STR	8	0	#5	10	9	WINGWALL A	7	2	3	7	1	0 1/2	3	5
A126E	STR	2	0	#5	5	10	WINGWALL B								
A127E	STR	2	0	#5	5	10	WINGWALL B								
A128E	STR	2	0	#5	5	9	WINGWALL B								
A129E	STR	2	0	#5	5	9	WINGWALL B								
A130E	STR	2	0	#5	5	8	WINGWALL B								
A131E	STR	2	0	#5	5	8	WINGWALL B								
A132E	STR	2	0	#5	5	7	WINGWALL B								
A133E	STR	2	0	#5	5	7	WINGWALL B								
A134E	STR	2	0	#5	5	6	WINGWALL B								
A135E	STR	2	0	#5	5	4	WINGWALL B								
A136E	STR	2	0	#5	4	11	WINGWALL B								
A137E	STR	2	0	#5	4	6	WINGWALL B								
A138E	STR	2	0	#5	4	1	WINGWALL B								
A139E	STR	2	0	#5	3	8	WINGWALL B								
A140E	STR	2	0	#5	3	3	WINGWALL B								
A141E	STR	2	0	#5	2	10	WINGWALL B								
A142E	STR	1	0	#5	11	9	WINGWALL B	5	2	6	7	3	10	5	4
A143E	STR	1	0	#5	13	2	WINGWALL B	6	7	6	7	3	10	5	4
A144E	STR	1	0	#5	15	10	WINGWALL B	9	3	6	7	3	10	5	4
A145E	STR	5	0	#5	18	5	WINGWALL B	11	10	6	7	3	10	5	4
A146E	STR	8	1	#6	12	7	WINGWALL B	5	7	7	0	4	1	5	8
A147E	STR	8	1	#6	13	11	WINGWALL B	6	11	7	0	4	1	5	8
A148E	STR	8	1	#6	16	8	WINGWALL B	9	8	7	0	4	1	5	8
A149E	STR	5	0	#6	19	3	WINGWALL B	12	3	7	0	4	1	5	8
A150E	STR	2	0	#5	10	10	WINGWALL B	7	3	3	7	1	2 1/2	3	4



△ Asterisk added to A26

BID ITEM NOTES

The Standard Specifications for Road and Bridge Construction, 2008 edition, and other special notes and specifications will apply on this project.

Steel high mast pole shall include furnishing, assembling, and installing specified pole and lowering device in accordance with manufacturers installation instructions. This item includes anchor bolts, head frame assembly, cables, winch unit, power cables, wiring, connectors, circuit breakers, grounding lugs, and all additional hardware. This item must be compatible with the pole base-high mast bid item. Incidental to this item shall be the adjustment and calibration of the unit to provide the desired operation.

Pole base high mast shall include excavation, furnishing and placing concrete, conduits, ground rods, ground wires, and reinforcing steel. This item also includes backfilling and restoring disturbed areas to the satisfaction of the resident engineer.

Pole base shall include excavation, furnishing and installing concrete, conduit, fittings, ground rod and ground wire. This item also includes backfilling and restoring disturbed areas to the satisfaction of the resident engineer.

Lighting control equipment shall include providing the base mounted cabinet with secondary control equipment, specified pole, service racks, lightning arrestors, photoelectric control, circuit breakers, contractor, manual switch, fuses, ground rod, transformers, cutouts, conduits and service wires. This item also includes excavation, backfilling, and any necessary anchors, Electrical service and all electrical inspection fees are incidental to this item.

High mast luminaire shall include furnishing and installing the specified luminaire. This item shall include lamps, protective starters, ballasts and any adjustments necessary to provide the desired lighting pattern. This also includes furnishing and installing specified shielding (if required).

The contractor shall submit pertinent photometric data for each type of luminaire to include literature with isofootcandle curves, ANSI/IES type distribution and actual lamp lumens supplied by that luminaire with the supplied ballast. The contractor shall also submit the photometric data in IES format to the Division of Traffic, Frankfort, KY to insure the luminaire meets the design criteria. Luminaires should provide appropriate light levels to meet the guidelines of AASHTO using a total light loss factor of 0.65 for closed fixtures and 0.80 for open bottom fixtures. A point of contact shall also be provided to answer technical questions about the luminaire.

Remove lighting shall include the removal of existing poles, luminaires, control equipment, power transformers, transformer bases and pole bases. Transformers not owned by a utility shall be tested for PCB's and disposed of in accordance with state regulations. Pole base shall be removed a minimum of 1-foot below finished grade. Chipping off or other method that is approved by the engineer may be used. Contractor shall backfill hole with material approved by the engineer. Incidental to this item shall be the removal of all materials off the project. All salvageable poles, brackets, transformer bases and luminaires shall be returned to the district pole yard or as instructed by the engineer.

Contractor shall maintain existing lighting or equivalent to existing lighting at all times until new lighting is installed and a functional inspection has been performed. A proposed lighting layout shall be submitted for approval to the Division of Traffic, Frankfort, KY (502-564-3020) prior to the beginning of road or bridge construction. Lighting shall be maintained in a condition equal to that which exists at the beginning of construction. After 24 hours notice, a disincentive in the amount of \$500 per day shall be charged the contractor for failure to maintain roadway lighting according to the approved plan.

Junction box shall include furnishing and installing specified junction box in accordance with the specifications. This item shall include #57 aggregate as shown, backfilling and restoration of disturbed areas to the satisfaction of the resident engineer, and concrete (if required).

Cable ducted shall include furnishing and installing specified cable within trench or conduit as indicated on the plan sheets. Incidental to this item shall be the furnishing and installing of any other necessary hardware. The contractor shall install all cable or wire runs splice-free from the controller to each pole the cable or wire is feeding.

Conduit shall include furnishing and installing specified conduit in ground or on structure in accordance with specifications. This item includes conduit fittings, expansion joints with bonding straps, drill anchors, clamps, and any additional hardware required. All conduit shall be rigid galvanized steel.

Markers shall include furnishing and installing pre-cast concrete cable markers as indicated on the plans.

Trenching and backfilling shall include excavation, backfilling, roadway crossings, and the restoration of disturbed areas to original condition. Incidental to this item shall be furnishing and installing underground utility warning tape (if required).

Bore and jack conduit shall include boring a hole for installing conduit under the existing roadway in accordance with the construction method described in the first, second and fourth paragraphs of Section 706.03 of the Standard Specifications. This item does not include furnishing and installing conduit.

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T16

△ REVISED 10-11-2011

PREPARED BY	_____
CHECKED BY	_____
DATE	_____
APPROVED BY	_____
DATE	_____

BID ITEM NOTES

The Standard Specifications for Road and Bridge Construction, 2008 edition, and other special notes and specifications will apply on this project.

Steel high mast pole shall include furnishing, assembling, and installing specified pole and lowering device in accordance with manufacturers installation instructions. This item includes anchor bolts, head frame assembly, cables, winch unit, power cables, wiring, connectors, circuit breakers, grounding lugs, and all additional hardware. This item must be compatible with the pole base-high mast bid item. Incidental to this item shall be the adjustment and calibration of the unit to provide the desired operation.

Pole base high mast shall include excavation, furnishing and placing concrete, conduits, ground rods, ground wires, and reinforcing steel. This item also includes backfilling and restoring disturbed areas to the satisfaction of the resident engineer.

Pole base shall include excavation, furnishing and installing concrete, conduit, fittings, ground rod and ground wire. This item also includes backfilling and restoring disturbed areas to the satisfaction of the resident engineer.

Lighting control equipment shall include providing the base mounted cabinet with secondary control equipment, specified pole, service racks, lightning arrestors, photoelectric control, circuit breakers, contractor, manual switch, fuses, ground rod, transformers, cutouts, conduits and service wires. This item also includes excavation, backfilling, and any necessary anchors, Electrical service and all electrical inspection fees are incidental to this item.

High mast luminaire shall include furnishing and installing the specified luminaire. This item shall include lamps, protective starters, ballasts and any adjustments necessary to provide the desired lighting pattern. This also includes furnishing and installing specified shielding (if required).

The contractor shall submit pertinent photometric data for each type of luminaire to include literature with isofootcandle curves, ANSI/IES type distribution and actual lamp lumens supplied by that luminaire with the supplied ballast. The contractor shall also submit the photometric data in IES format to the Division of Traffic, Frankfort, KY to insure the luminaire meets the design criteria. Luminaires should provide appropriate light levels to meet the guidelines of AASHTO using a total light loss factor of 0.65 for closed fixtures and 0.80 for open bottom fixtures. A point of contact shall also be provided to answer technical questions about the luminaire.

Remove lighting shall include the removal of existing poles, luminaires, control equipment, power transformers, transformer bases and pole bases. Transformers not owned by a utility shall be tested for PCB's and disposed of in accordance with state regulations. Pole base shall be removed a minimum of 1-foot below finished grade. Chipping off or other method that is approved by the engineer may be used. Contractor shall backfill hole with material approved by the engineer. Incidental to this item shall be the removal of all materials off the project. All salvageable poles, brackets, transformer bases and luminaires shall be returned to the district pole yard or as instructed by the engineer.

Contractor shall maintain existing lighting or equivalent to existing lighting at all times until new lighting is installed and a functional inspection has been performed. A proposed lighting layout shall be submitted for approval to the Division of Traffic, Frankfort, KY ~~1502-564-3020~~ prior to the beginning of road or bridge construction. Lighting shall be maintained in a condition equal to that which exists at the beginning of construction. After 24 hours notice, a disincentive in the amount of \$500 per day shall be charged the contractor for failure to maintain roadway lighting according to the approved plan.

Junction box shall include furnishing and installing specified junction box in accordance with the specifications. This item shall include #57 aggregate as shown, backfilling and restoration of disturbed areas to the satisfaction of the resident engineer, and concrete (if required).

Cable ducted shall include furnishing and installing specified cable within trench or conduit as indicated on the plan sheets. Incidental to this item shall be the furnishing and installing of any other necessary hardware. The contractor shall install all cable or wire runs splice-free from the controller to each pole the cable or wire is feeding.

Conduit shall include furnishing and installing specified conduit in ground or on structure in accordance with specifications. This item includes conduit fittings, expansion joints with bonding straps, drill anchors, clamps, and any additional hardware required. All conduit shall be rigid galvanized steel.

Markers shall include furnishing and installing pre-cast concrete cable markers as indicated on the plans.

Trenching and backfilling shall include excavation, backfilling, roadway crossings, and the restoration of disturbed areas to original condition. Incidental to this item shall be furnishing and installing underground utility warning tape (if required).

Bore and jack conduit shall include boring a hole for installing conduit under the existing roadway in accordance with the construction method described in the first, second and fourth paragraphs of Section 706.03 of the Standard Specifications. This item does not include furnishing and installing conduit.

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T16

△ REVISED 10-11-2011

PREPARED BY	_____
CHECKED BY	_____
DATE	_____
APPROVED BY	_____
DATE	_____

REVISED 10-11-2011

DESIGNED BY: PARSONS BRINCKERHOFF
 DATE SUBMITTED: 08-31-2011

Commonwealth of Kentucky
 DEPARTMENT OF HIGHWAYS
 COUNTY OF WARREN

I-65 & US 231 INTERCHANGE
 PROJECT NUMBER: NH0651 (095) FD52 1H4 0065 022-023

I-65 LIGHTING PLANS
 STA. 435+00 TO STA. 464+00

LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 56+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP D1	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)		#8/3C	ASYMMETRICAL	120"	33°
2	HM2	120'	1000W (6)		#6/3C	ASYMMETRICAL	120"	149°
3	HM3	120'	1000W (6)	SEE SHEET T25	#8/3C	ASYMMETRICAL	120"	166°
4	HM4	120'	1000W (6)		#6/3C	ASYMMETRICAL	120"	150°
5	HM5	120'	1000W (6)		#8/3C	ASYMMETRICAL	120"	20°
6	HM6	120'	1000W (6)		#8/3C	ASYMMETRICAL	120"	3°
7	HM7	120'	1000W (6)		#6/3C	ASYMMETRICAL	120"	330°
8	*	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. C 1-65 STA. 436+20.
 ** TO EX. LIGHT @ APPROX. C 1-65 STA. 477+70.

NOTES:

- INSTALL 3" RIGID STEEL CONDUIT FOR EACH CIRCUIT UNDER PAVEMENT SHOULDER TO SHOULDER.
- INSTALL WEB CAMERA AT TOP OF HMI. SEE SHEET T20 FOR INSTALLATION DETAILS AND INTERFACE DRAWING.
- SIGNAL CONTROL CABINET. SEE SIGNAL PLANS.
- ELECTRICAL DISCONNECT. SEE SIGNAL PLANS.
- INSTALL 3" RIGID STEEL CONDUIT IN NEW BARRIER WALL FROM STATION 455+72 TO STATION 460+82.

FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

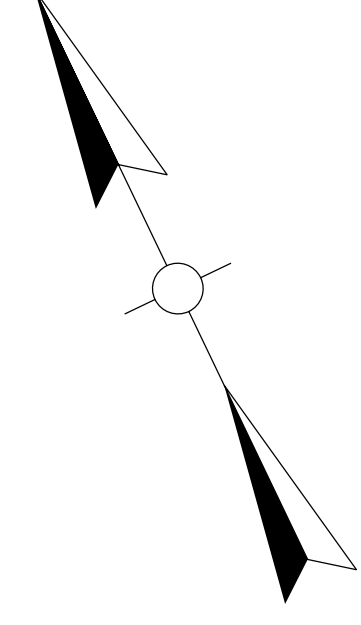
FROM	TO	CONDUIT REQUIRED
3	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
3	C1	2" RGS
C1	C2	3" RGS
C2	CC#1	2" RGS
3	C6	2" RGS
C6	C5	3" RGS
C5	EX. JB1	2" RGS
EX. JB1	EX. JB2	EX.
EX. JB2	C8	2" RGS
C8	C7	3" RGS
C7	C3	2" RGS
C3	C4	3" RGS
C4	C2	2" RGS

LEGEND

- 1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
- BASE MOUNTED CABINET
- MODEL 334 ENCLOSURE
- JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
- CONCRETE MARKER
- 2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- 3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- DUCTED CABLE
- LUMINAIRE POLE
- NEW 35 FT. WOOD SERVICE POLE

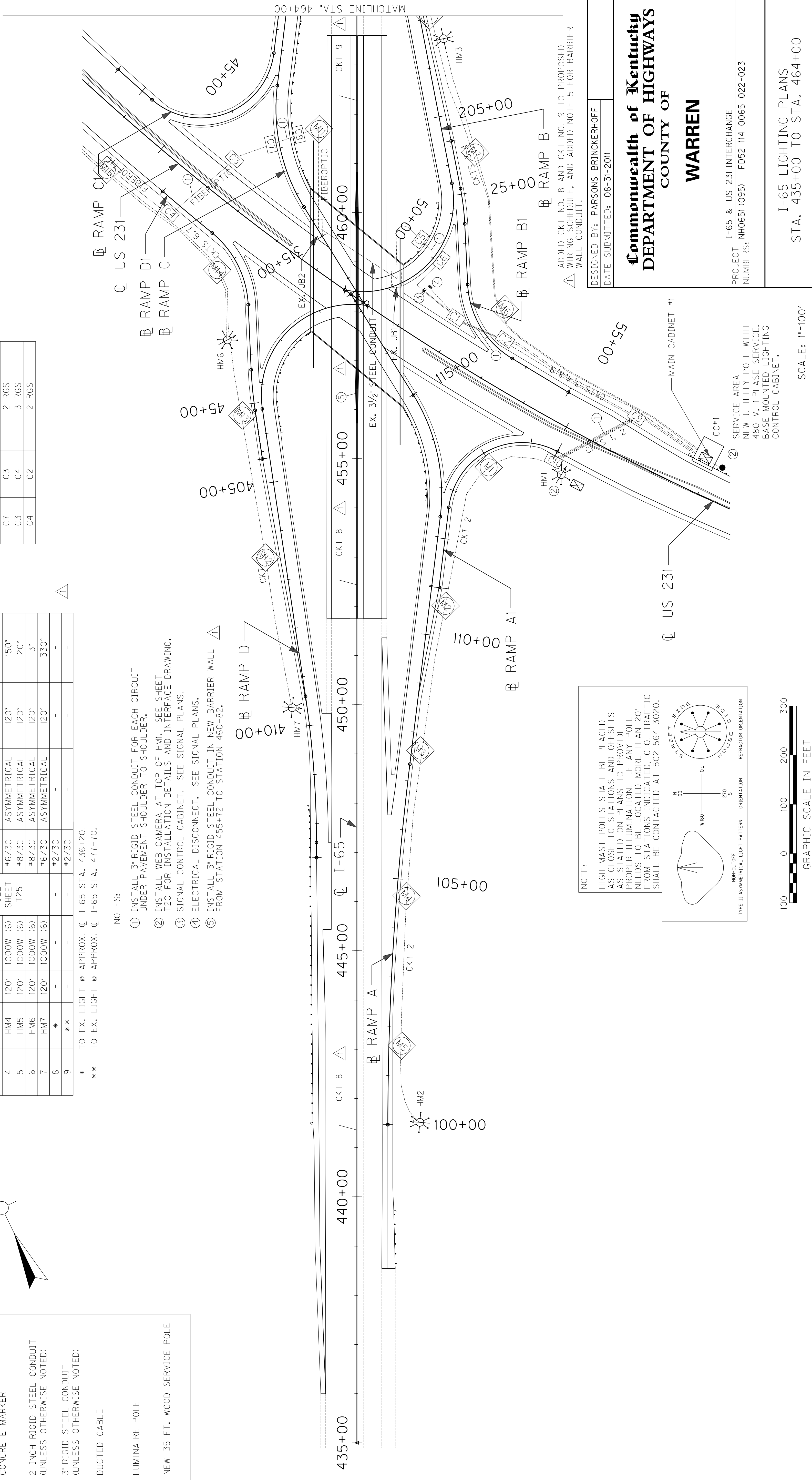
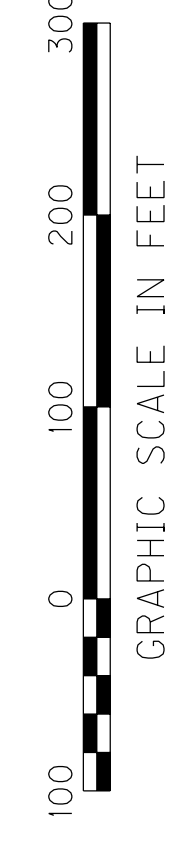
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 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

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 DATE: \$\$\$DATE\$\$\$
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 E-SHEET NAME:



NOTE:
 HIGH MAST POLES SHALL BE PLACED AS CLOSE TO STATIONS AND OFFSETS AS STATED ON PLANS TO PROVIDE PROPER ILLUMINATION. IF ANY POLE NEEDS TO BE LOCATED MORE THAN 20' FROM STATIONS INDICATED, C.O. TRAFFIC SHALL BE CONTACTED AT 502-564-3020.

NON-SYMMETRICAL LIGHT PATTERN ORIENTATION
 STREET SIDE HOUSE SIDE
 REFRACTOR ORIENTATION



REVISED 10-11-2011

LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 56+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP D1	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)		#8/3C	ASYMMETRICAL	120"	33°
2	HM2	120'	1000W (6)		#6/3C	ASYMMETRICAL	120"	149°
3	HM3	120'	1000W (6)	SEE SHEET	#8/3C	ASYMMETRICAL	120"	166°
4	HM4	120'	1000W (6)	T25	#6/3C	ASYMMETRICAL	120"	150°
5	HM5	120'	1000W (6)		#8/3C	ASYMMETRICAL	120"	20°
6	HM6	120'	1000W (6)		#8/3C	ASYMMETRICAL	120"	3°
7	HM7	120'	1000W (6)		#6X3C	ASYMMETRICAL	120"	330°
8	*	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. C 1-65 STA. 436+20.
 ** TO EX. LIGHT @ APPROX. C 1-65 STA. 477+70.

NOTES:

- INSTALL 3" RIGID STEEL CONDUIT FOR EACH CIRCUIT UNDER PAVEMENT SHOULDER TO SHOULDER.
- INSTALL WEB CAMERA AT TOP OF HMI. SEE SHEET T20 FOR INSTALLATION DETAILS AND INTERFACE DRAWING.
- SIGNAL CONTROL CABINET. SEE SIGNAL PLANS.
- ELECTRICAL DISCONNECT. SEE SIGNAL PLANS.
- INSTALL 3" RIGID STEEL CONDUIT IN NEW BARRIER WALL FROM STATION 455+72 TO STATION 460+82.

FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

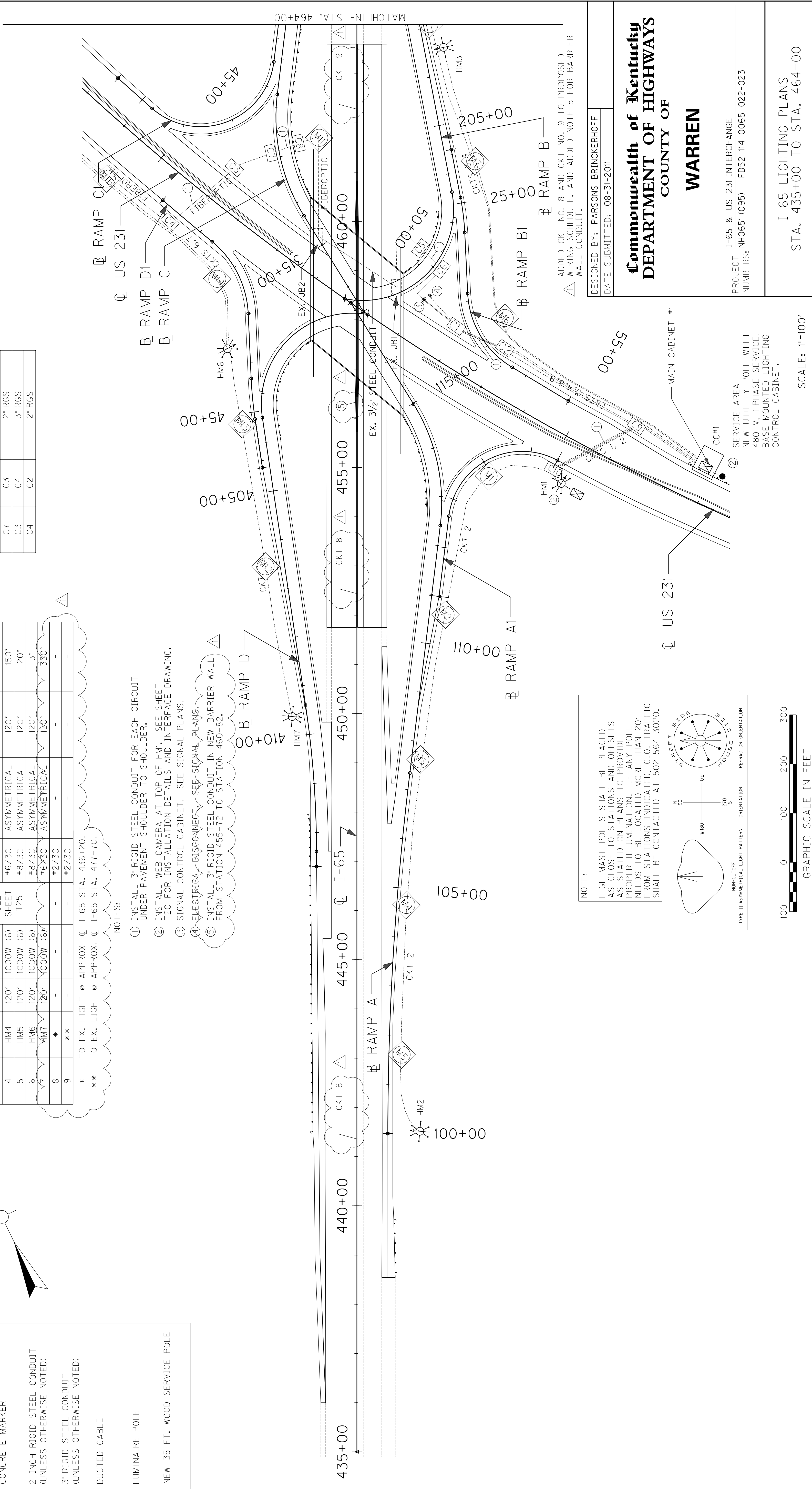
FROM	TO	CONDUIT REQUIRED
3	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
3	C1	2" RGS
C1	C2	3" RGS
C2	CC#1	2" RGS
3	C6	2" RGS
C6	C5	3" RGS
C5	EX. JB1	2" RGS
EX. JB1	EX. JB2	EX.
EX. JB2	C8	2" RGS
C8	C7	3" RGS
C7	C3	2" RGS
C3	C4	3" RGS
C4	C2	2" RGS

LEGEND

- 1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
- BASE MOUNTED CABINET
- MODEL 334 ENCLOSURE
- JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
- CONCRETE MARKER
- 2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- 3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- DUCTED CABLE
- LUMINAIRE POLE
- NEW 35 FT. WOOD SERVICE POLE

PREPARED BY _____
 CHECKED BY _____
 APPROVED BY _____
 DATE _____
 DATE _____
 DATE _____

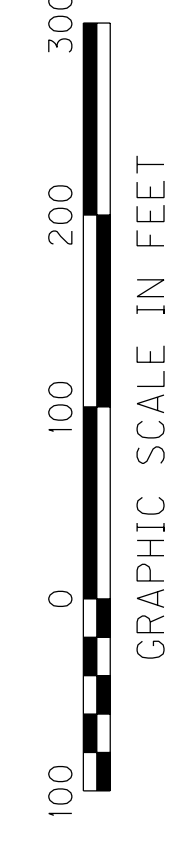
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NOTE:
 HIGH MAST POLES SHALL BE PLACED AS CLOSE TO STATIONS AND OFFSETS AS STATED ON PLANS TO PROVIDE PROPER ILLUMINATION. IF ANY POLE NEEDS TO BE LOCATED MORE THAN 20' FROM STATIONS INDICATED, C.O. TRAFFIC SHALL BE CONTACTED AT 502-564-3020.

TYPE II ASYMMETRICAL LIGHT PATTERN ORIENTATION

REFRACTOR ORIENTATION



DESIGNED BY: PARSONS BRINCKERHOFF
 DATE SUBMITTED: 08-31-2011

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY OF **WARREN**

I-65 & US 231 INTERCHANGE
 PROJECT NH0651 (095) FD52 114 0065 022-023
 NUMBERS:

I-65 LIGHTING PLANS
 STA. 435+00 TO STA. 464+00

SCALE: 1"=100'

FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

FROM	TO	CONDUIT REQUIRED
3	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
3	C1	2" RGS
C1	C2	3" RGS
C2	CC#1	2" RGS
3	C6	2" RGS
C6	C5	3" RGS
C5	EX. JBI	2" RGS
EX. JBI	EX. JB2	EX.
EX. JB2	C8	2" RGS
C8	C7	3" RGS
C7	C3	2" RGS
C3	C4	3" RGS
C4	C2	2" RGS

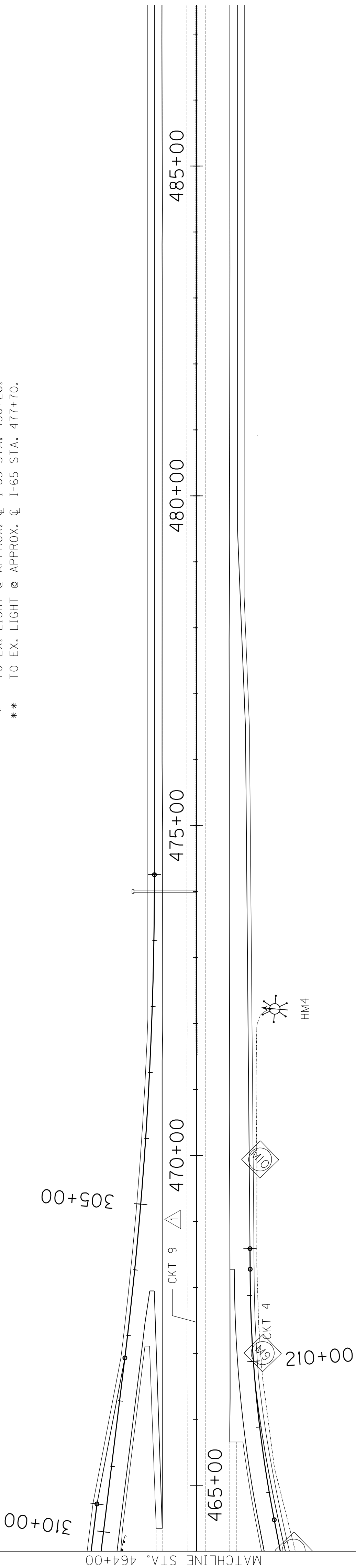
LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 55+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP DI	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)		#8/3C	ASYMMETRICAL	120°	57°
2	HM2	120'	1000W (6)		#6/3C	ASYMMETRICAL	120°	30°
3	HM3	120'	1000W (6)	SEE SHEET T25	#8/3C	ASYMMETRICAL	120°	284°
4	HM4	120'	1000W (6)		#6/3C	ASYMMETRICAL	120°	300°
5	HM5	120'	1000W (6)		#8/3C	ASYMMETRICAL	120°	70°
6	HM6	120'	1000W (6)		#8/3C	ASYMMETRICAL	120°	87°
7	HM7	120'	1000W (6)		#6/3C	ASYMMETRICAL	120°	120°
8	*	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. C 1-65 STA. 436+20.
** TO EX. LIGHT @ APPROX. C 1-65 STA. 477+70.



LEGEND

- 1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
- BASE MOUNTED CABINET
- MODEL 334 ENCLOSURE
- JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
- CONCRETE MARKER
- 2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- 3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- DUCTED CABLE
- LUMINAIRE POLE
- NEW 35 FT. WOOD SERVICE POLE

NOTE:
HIGH MAST POLES SHALL BE PLACED AS CLOSE TO STATIONS AND OFFSETS AS STATED ON PLANS TO PROVIDE PROPER ILLUMINATION. IF ANY POLE NEEDS TO BE LOCATED MORE THAN 20' FROM STATIONS INDICATED, C.O. TRAFFIC SHALL BE CONTACTED AT 502-564-3020.

NON-SYMMETRICAL LIGHT PATTERN ORIENTATION
REFRACTOR ORIENTATION



FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

FROM	TO	CONDUIT REQUIRED
3	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
3	C1	2" RGS
C1	C2	3" RGS
C2	CC#1	2" RGS
3	C6	2" RGS
C6	C5	3" RGS
C5	EX. JBI	2" RGS
EX. JBI	EX. JB2	EX.
EX. JB2	C8	2" RGS
C8	C7	3" RGS
C7	C3	2" RGS
C3	C4	3" RGS
C4	C2	2" RGS

LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 55+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP DI	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

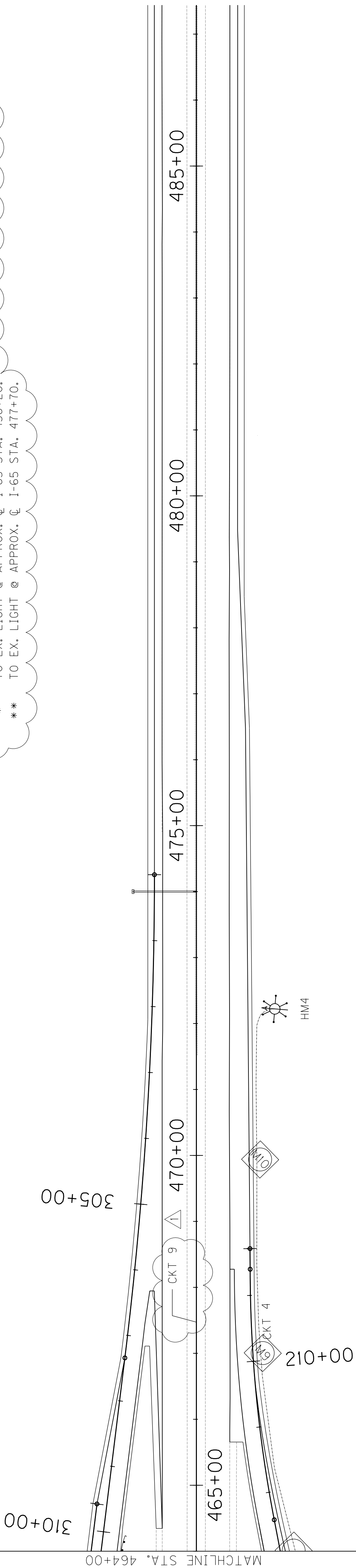
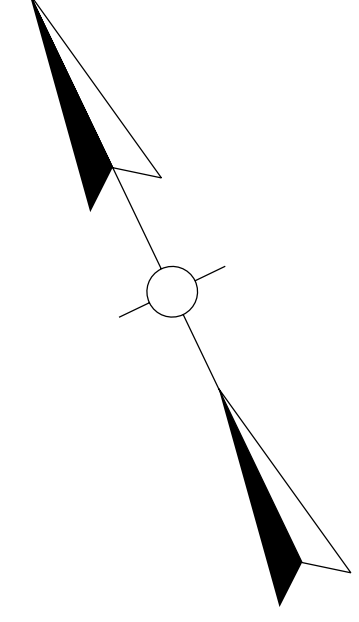
PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)		#8/3C	ASYMMETRICAL	120°	57°
2	HM2	120'	1000W (6)		#6/3C	ASYMMETRICAL	120°	30°
3	HM3	120'	1000W (6)	SEE SHEET	#8/3C	ASYMMETRICAL	120°	284°
4	HM4	120'	1000W (6)		#6/3C	ASYMMETRICAL	120°	300°
5	HM5	120'	1000W (6)	T25	#8/3C	ASYMMETRICAL	120°	70°
6	HM6	120'	1000W (6)		#8/3C	ASYMMETRICAL	120°	87°
7	HM7	120'	1000W (6)		#6/3C	ASYMMETRICAL	120°	120°
8	*	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. C 1-65 STA. 436+20.
 ** TO EX. LIGHT @ APPROX. C 1-65 STA. 477+70.

LEGEND

- 1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
- BASE MOUNTED CABINET
- MODEL 334 ENCLOSURE
- JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
- CONCRETE MARKER
- 2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- 3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- DUCTED CABLE
- LUMINAIRE POLE
- NEW 35 FT. WOOD SERVICE POLE



NOTE:
 HIGH MAST POLES SHALL BE PLACED AS CLOSE TO STATIONS AND OFFSETS AS STATED ON PLANS TO PROVIDE PROPER ILLUMINATION. IF ANY POLE NEEDS TO BE LOCATED MORE THAN 20' FROM STATIONS INDICATED, C.O. TRAFFIC SHALL BE CONTACTED AT 502-564-3020.

NON-SYMMETRICAL LIGHT PATTERN ORIENTATION
 REFRACTOR ORIENTATION



ADDED CKT NO. 8 AND CKT NO. 9 TO PROPOSED WIRING SCHEDULE.

I-65 LIGHTING PLANS
 STA. 464+00 TO STA. 496+47.43

SCALE: 1"=100'

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$filespecification\$\$\$
 E-SHEET NAME:

NOTES:
① #6/3C CABLE.

LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 55+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP D1	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

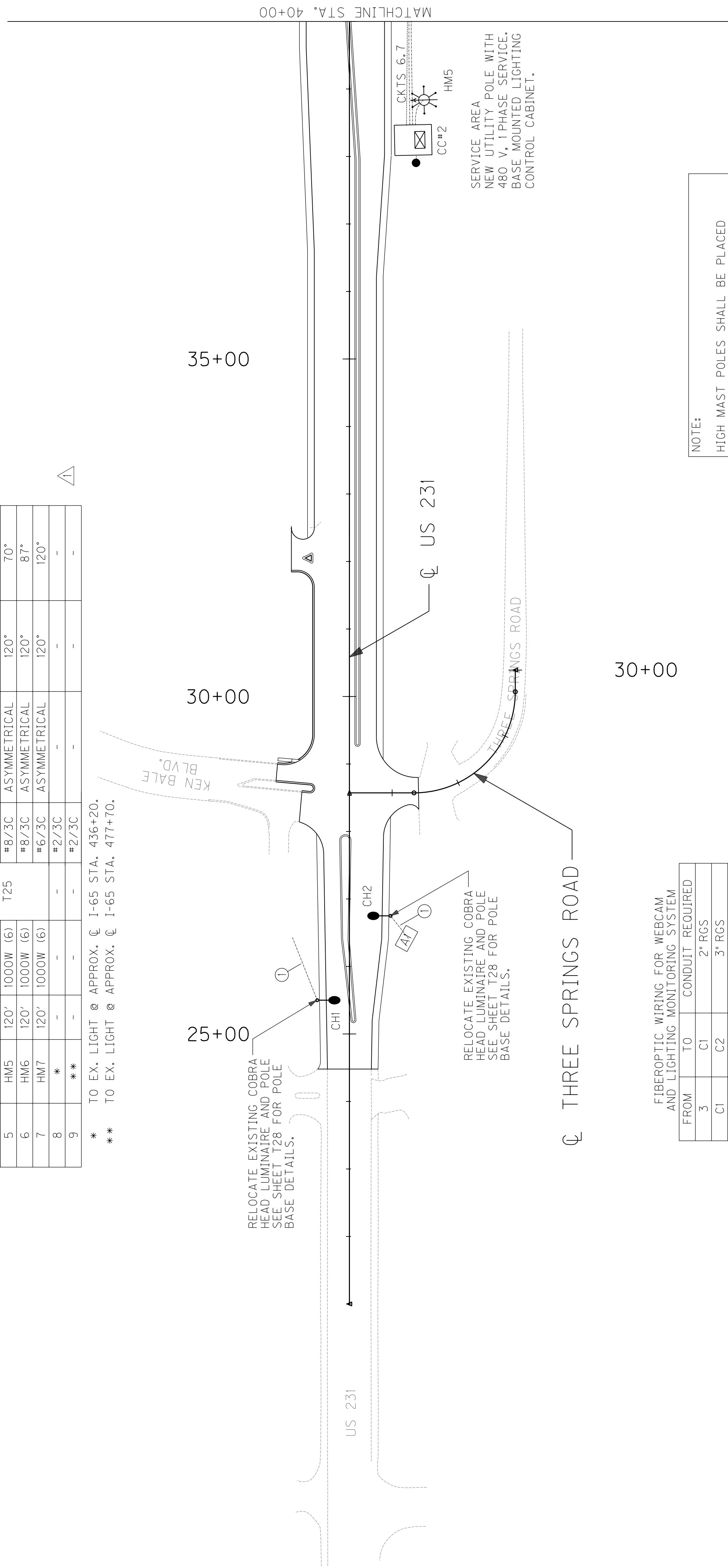
PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)	#8/3C	#8/3C	ASYMMETRICAL	120"	57°
2	HM2	120'	1000W (6)	SEE SHEET 128	#6/3C	ASYMMETRICAL	120"	301°
3	HM3	120'	1000W (6)	SEE SHEET 128	#8/3C	ASYMMETRICAL	120"	284°
4	HM4	120'	1000W (6)	SEE SHEET 128	#6/3C	ASYMMETRICAL	120"	300°
5	HM5	120'	1000W (6)	T25	#8/3C	ASYMMETRICAL	120"	70°
6	HM6	120'	1000W (6)		#8/3C	ASYMMETRICAL	120"	87°
7	HM7	120'	1000W (6)		#6/3C	ASYMMETRICAL	120"	120°
8	*	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. 1-65 STA. 436+20.
** TO EX. LIGHT @ APPROX. 1-65 STA. 477+70.

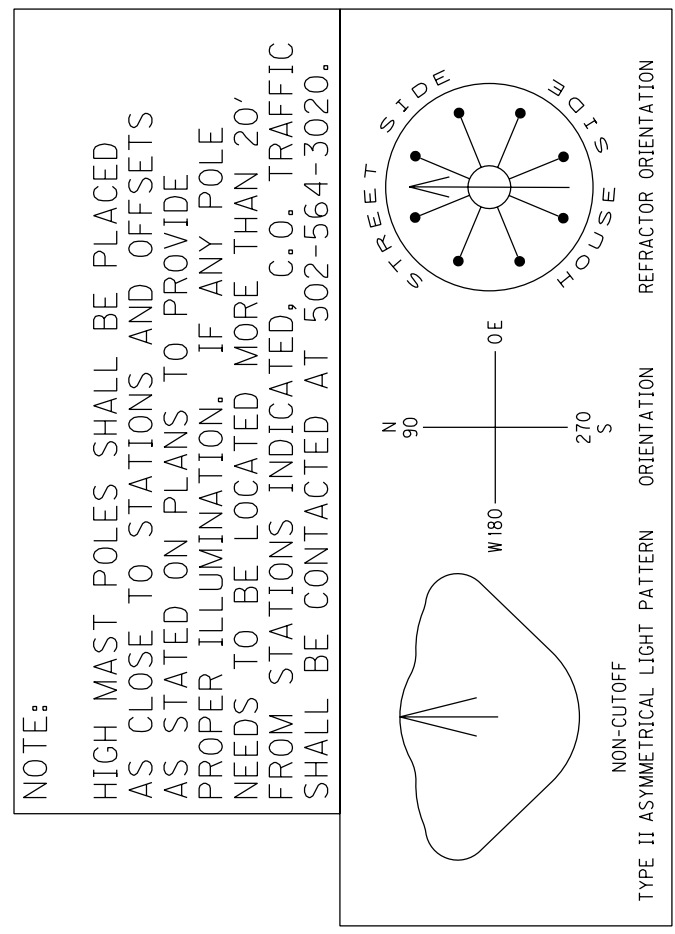
LEGEND

	1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
	BASE MOUNTED CABINET
	MODEL 334 ENCLOSURE
	JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
	CONCRETE MARKER
	2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
	3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
	DUCTED CABLE
	LUMINAIRE POLE
	NEW 35 FT. WOOD SERVICE POLE



FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

FROM	TO	CONDUIT REQUIRED
3	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
3	C1	2" RGS
C1	C2	3" RGS
C2	CC#1	2" RGS
3	C6	2" RGS
C6	C5	3" RGS
C5	EX. JBI	2" RGS
EX. JBI	EX. JB2	EX.
EX. JB2	C8	2" RGS
C8	C7	3" RGS
C7	C3	2" RGS
C3	C4	3" RGS
C4	C2	2" RGS



ADDED CKT NO. 8 AND CKT NO. 9 TO PROPOSED WIRING SCHEDULE.

US 231 LIGHTING PLANS
STA. 24+48 TO STA. 40+00

SCALE: 1"=100'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$design\$file\$specification\$\$\$
E-SHEET NAME:

NOTES:
① #6/3C CABLE.

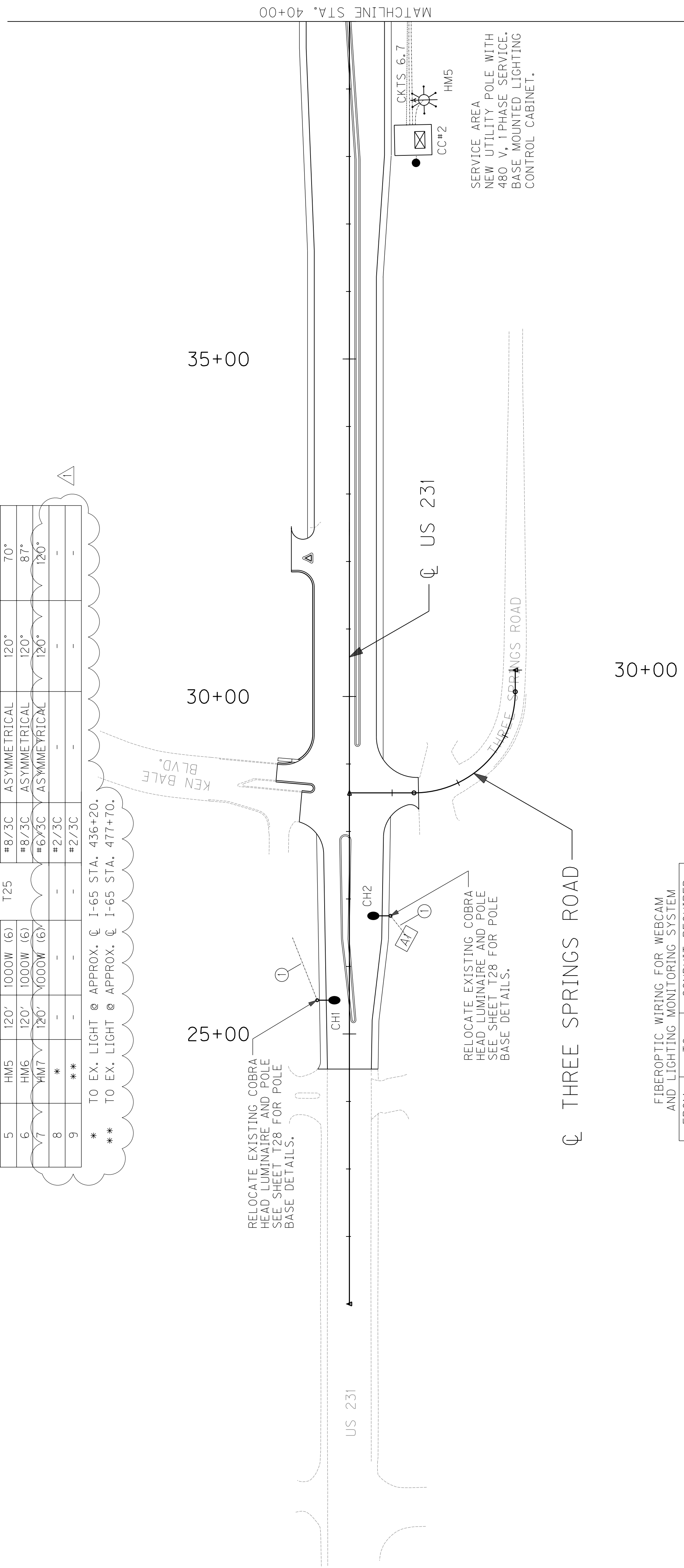
LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 55+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP D1	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)	#8/3C	#8/3C	ASYMMETRICAL	120°	57°
2	HM2	120'	1000W (6)	SEE SHEET 128	#6/3C	ASYMMETRICAL	120°	301°
3	HM3	120'	1000W (6)	SEE SHEET 128	#8/3C	ASYMMETRICAL	120°	284°
4	HM4	120'	1000W (6)	SEE SHEET 128	#6/3C	ASYMMETRICAL	120°	300°
5	HM5	120'	1000W (6)	T25	#8/3C	ASYMMETRICAL	120°	70°
6	HM6	120'	1000W (6)	#8/3C	#8/3C	ASYMMETRICAL	120°	87°
7	HM7	120'	1000W (6)	#8/3C	#6/3C	ASYMMETRICAL	120°	120°
8	**	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. Q I-65 STA. 436+20.
** TO EX. LIGHT @ APPROX. Q I-65 STA. 477+70.



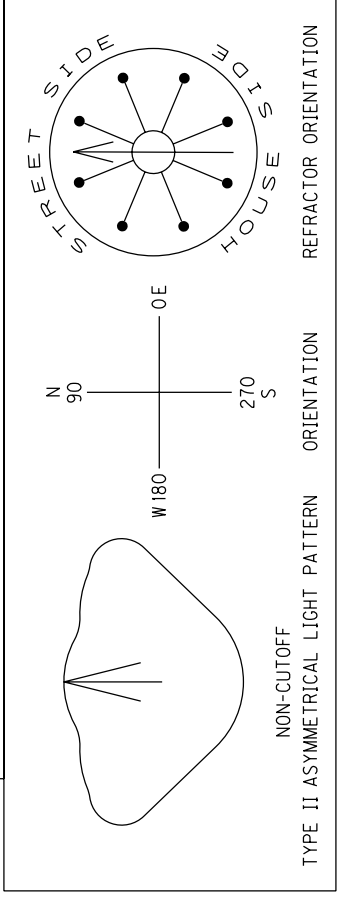
LEGEND

- 1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
- BASE MOUNTED CABINET
- MODEL 334 ENCLOSURE
- JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
- CONCRETE MARKER
- 2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- 3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- DUCTED CABLE
- LUMINAIRE POLE
- NEW 35 FT. WOOD SERVICE POLE

FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

FROM	TO	CONDUIT REQUIRED
3	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
3	C1	2" RGS
C1	C2	3" RGS
C2	CC#1	2" RGS
3	C6	2" RGS
C6	C5	3" RGS
C5	EX. JBI	2" RGS
EX. JBI	EX. JB2	EX.
EX. JB2	C8	2" RGS
C8	C7	3" RGS
C7	C3	2" RGS
C3	C4	3" RGS
C4	C2	2" RGS

NOTE:
HIGH MAST POLES SHALL BE PLACED AS CLOSE TO STATIONS AND OFFSETS AS STATED ON PLANS TO PROVIDE PROPER ILLUMINATION. IF ANY POLE NEEDS TO BE LOCATED MORE THAN 20' FROM STATIONS INDICATED, C.O. TRAFFIC SHALL BE CONTACTED AT 502-564-3020.



ADDED CKT NO. 8 AND CKT NO. 9 TO PROPOSED WIRING SCHEDULE.

US 231 LIGHTING PLANS
STA. 24+48 TO STA. 40+00

SCALE: 1"=100'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

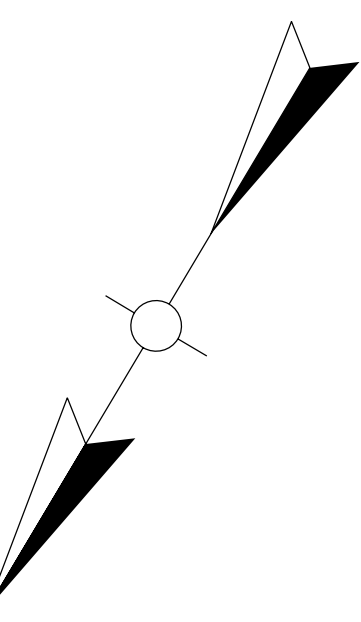
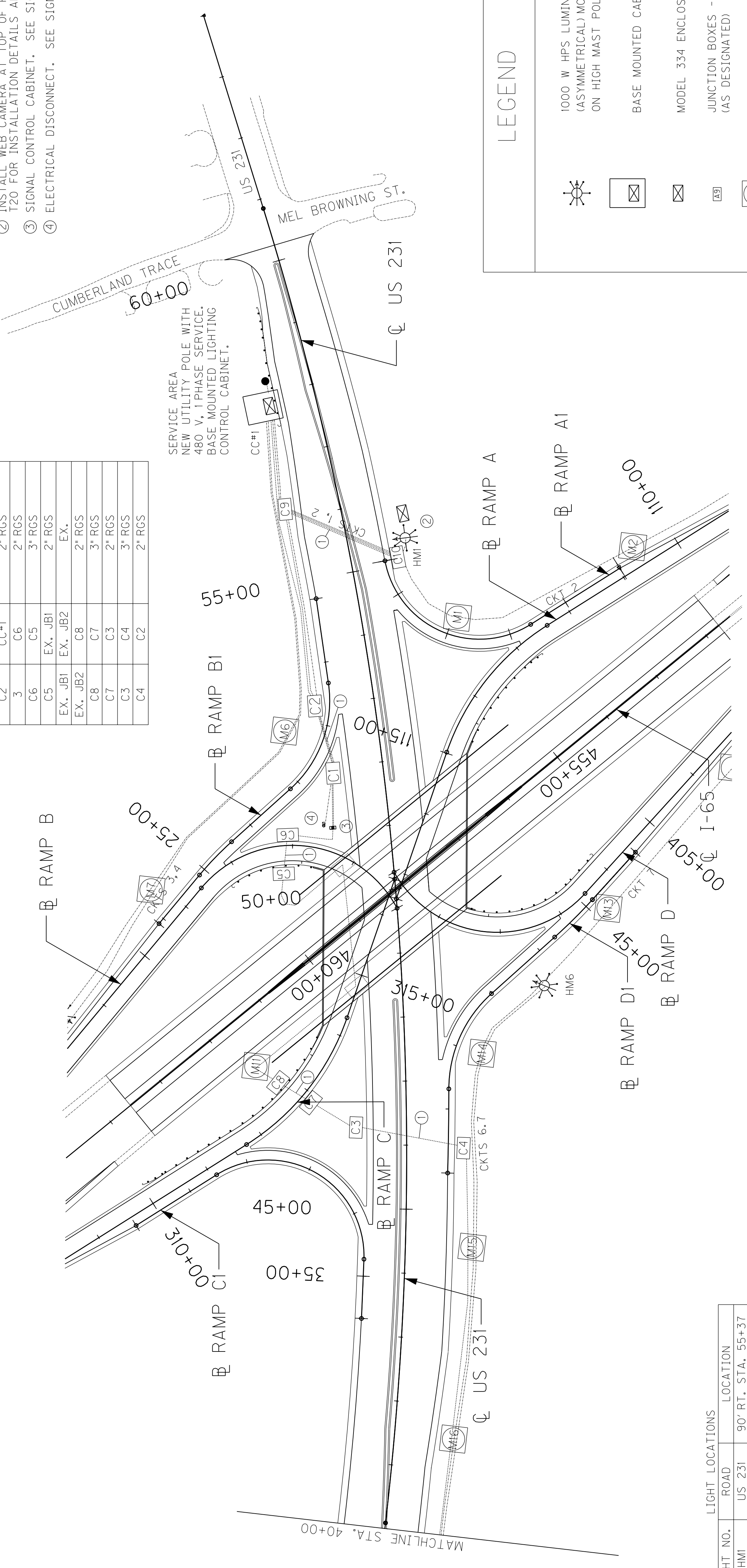
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E-SHEET NAME:

REVISED 10-11-2011

- NOTES:
- INSTALL 3" RIGID STEEL CONDUIT FOR EACH CIRCUIT UNDER PAVEMENT SHOULDER TO SHOULDER.
 - INSTALL WEB CAMERA AT TOP OF HMI. SEE SHEET T20 FOR INSTALLATION DETAILS AND INTERFACE DRAWING.
 - SIGNAL CONTROL CABINET. SEE SIGNAL PLANS.
 - ELECTRICAL DISCONNECT. SEE SIGNAL PLANS.

FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

FROM	TO	CONDUIT REQUIRED
C1	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
C1	C2	2" RGS
C2	CC#1	2" RGS
C3	C6	2" RGS
C6	C5	3" RGS
C5	EX. JBI	2" RGS
EX. JBI	EX. JB2	EX.
EX. JB2	C8	2" RGS
C8	C7	3" RGS
C7	C3	2" RGS
C3	C4	3" RGS
C4	C2	2" RGS



LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 55+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP DI	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

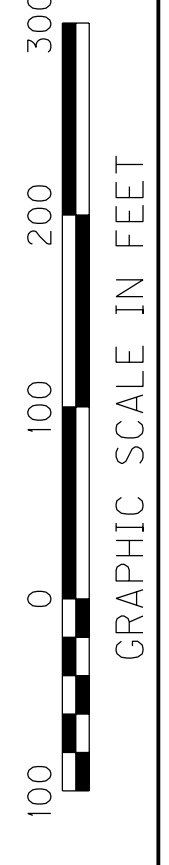
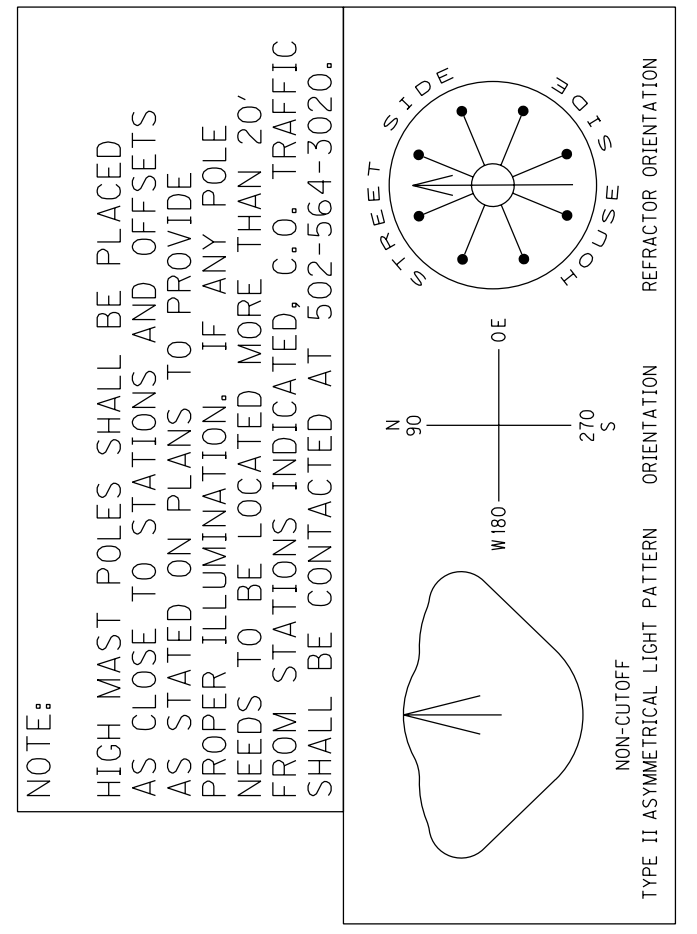
PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)	-	#8/3C	ASYMMETRICAL	120°	57°
2	HM2	120'	1000W (6)	-	#6/3C	ASYMMETRICAL	120°	301°
3	HM3	120'	1000W (6)	SEE SHEET T25	#8/3C	ASYMMETRICAL	120°	284°
4	HM4	120'	1000W (6)	-	#6/3C	ASYMMETRICAL	120°	300°
5	HM5	120'	1000W (6)	-	#8/3C	ASYMMETRICAL	120°	70°
6	HM6	120'	1000W (6)	-	#8/3C	ASYMMETRICAL	120°	87°
7	HM7	120'	1000W (6)	-	#6/3C	ASYMMETRICAL	120°	120°
8	**	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. Q I-65 STA. 436+20.
** TO EX. LIGHT @ APPROX. Q I-65 STA. 477+70.

LEGEND

	1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
	BASE MOUNTED CABINET
	MODEL 334 ENCLOSURE
	JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
	CONCRETE MARKER
	2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
	3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
	DUCTED CABLE
	LUMINAIRE POLE
	NEW 35 FT. WOOD SERVICE POLE



SCALE: 1"=100'

ADDED CKT NO. 8 AND CKT NO. 9 TO PROPOSED WIRING SCHEDULE.

US 231 LIGHTING PLANS
STA. 40+00 TO STA. 60+25

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

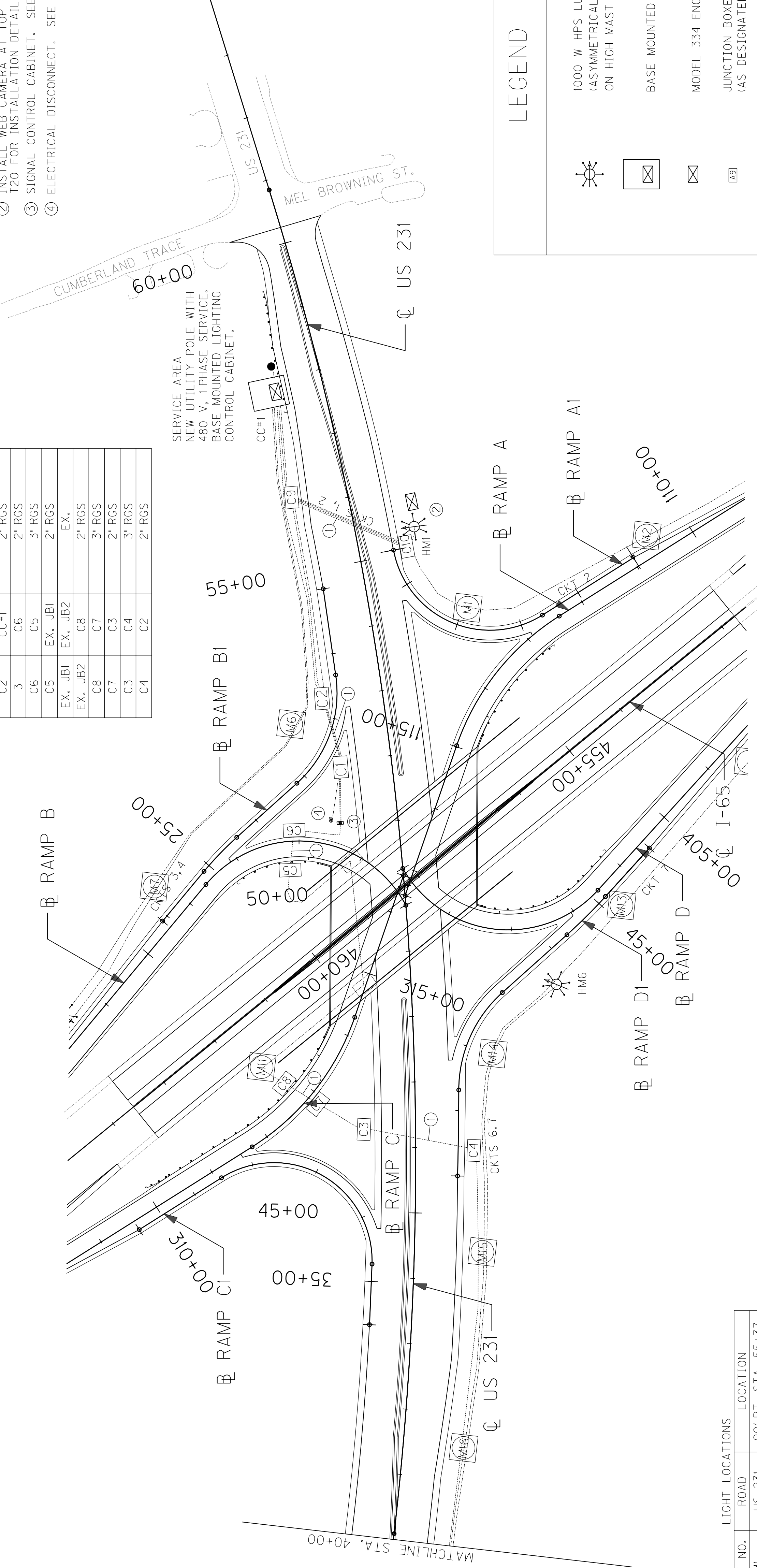
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DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$design\$file\$specification\$\$\$
E-SHEET NAME:

REVISED 10-11-2011

- NOTES:
- INSTALL 3" RIGID STEEL CONDUIT FOR EACH CIRCUIT UNDER PAVEMENT SHOULDER TO SHOULDER.
 - INSTALL WEB CAMERA AT TOP OF HMI. SEE SHEET T20 FOR INSTALLATION DETAILS AND INTERFACE DRAWING.
 - SIGNAL CONTROL CABINET. SEE SIGNAL PLANS.
 - ELECTRICAL DISCONNECT. SEE SIGNAL PLANS.

FIBEROPTIC WIRING FOR WEBCAM AND LIGHTING MONITORING SYSTEM

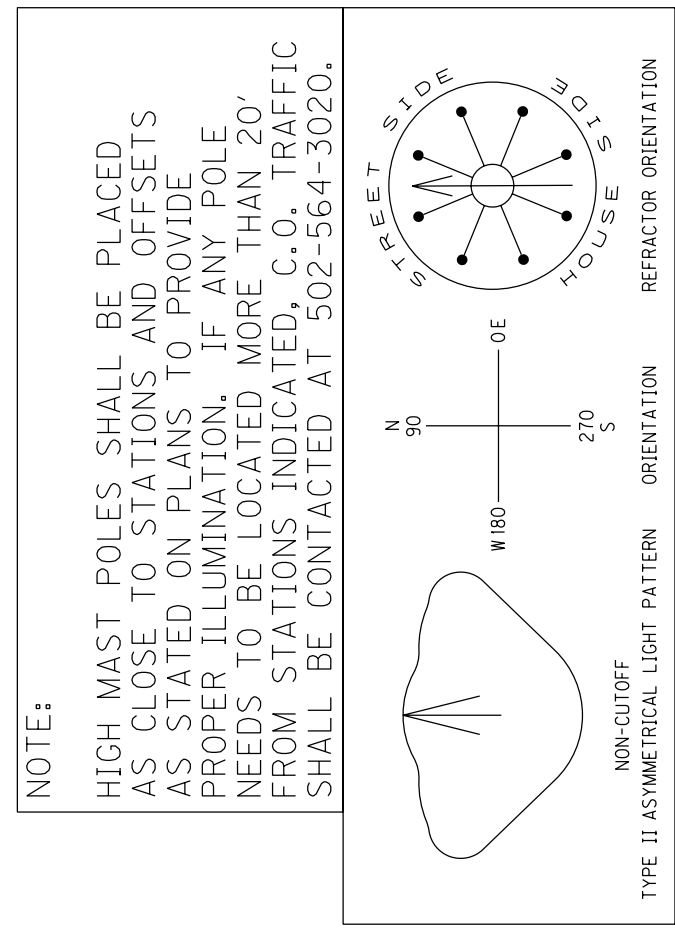
FROM	TO	CONDUIT REQUIRED
C1	C1	2" RGS
C1	C2	3" RGS
C2	C9	2" RGS
C9	C10	3" RGS
C1	C1	2" RGS
C2	CC#1	3" RGS
C6	C6	2" RGS
C5	C5	3" RGS
EX. JB1	EX. JBI	2" RGS
EX. JB2	EX. JB2	EX.
C8	C8	2" RGS
C7	C7	3" RGS
C3	C3	2" RGS
C4	C4	3" RGS
C4	C2	2" RGS



SERVICE AREA
NEW UTILITY POLE WITH
480 V, 1 PHASE SERVICE.
BASE MOUNTED LIGHTING
CONTROL CABINET.

LEGEND

	1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
	BASE MOUNTED CABINET
	MODEL 334 ENCLOSURE
	JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
	CONCRETE MARKER
	2 INCH RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
	3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
	DUCTED CABLE
	LUMINAIRE POLE
	NEW 35 FT. WOOD SERVICE POLE



LIGHT LOCATIONS

LIGHT NO.	ROAD	LOCATION
HM1	US 231	90' RT. STA. 55+37
HM2	I-65	128' RT. STA. 441+50
HM3	RAMP B	39' RT. STA. 206+54
HM4	I-65	119' RT. STA. 472+22
HM5	US 231	111' RT. STA. 38+84
HM6	RAMP DI	46' RT. STA. 43+69
HM7	RAMP D	30' RT. STA. 409+59

PROPOSED WIRING SCHEDULE

CKT NO.	ENDING	MTG. HT.	WATTAGE	BASE DEPTH	DUCTED CABLE	LIGHT PATTERN	HOUSE SIDE SHIELD	REFRACTOR ORIENTATION
1	HM1	120'	1000W (6)	-	#8/3C	ASYMMETRICAL	120°	57°
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3	HM3	120'	1000W (6)	SEE SHEET T25	#8/3C	ASYMMETRICAL	120°	284°
4	HM4	120'	1000W (6)	-	#6/3C	ASYMMETRICAL	120°	300°
5	HM5	120'	1000W (6)	-	#8/3C	ASYMMETRICAL	120°	70°
6	HM6	120'	1000W (6)	-	#8/3C	ASYMMETRICAL	120°	87°
7	HM7	120'	1000W (6)	-	#6/3C	ASYMMETRICAL	120°	120°
8	**	-	-	-	#2/3C	-	-	-
9	**	-	-	-	#2/3C	-	-	-

* TO EX. LIGHT @ APPROX. Q I-65 STA. 436+20.
** TO EX. LIGHT @ APPROX. Q I-65 STA. 477+70.



SCALE: 1"=100'

US 231 LIGHTING PLANS
STA. 40+00 TO STA. 60+25

SIGNING

ESTIMATE OF QUANTITIES

ITEM	CODE NUMBER	UNIT	QUANTITY					TOTALS
			I-65	US 231	RAMP A & AI	RAMP B & BI	RAMP C & CI	
GROUND MOUNTED SIGN SUPPORTS								
TYPE A (1)	06400	LBS	-	675	-	458	-	1133
TYPE C (1)	06441	LBS	-	5142	1000	391	-	6533
FOOTINGS FOR SIGNS			△					△
CONCRETE - CLASS "A" FOR SIGNS	06490	CUYD	119.18	25.81	6.69	5.31	1.38	159.75
REINFORCEMENT STEEL	06491	LBS	9784	1200	228	228	-	11440
SIGN BASE MATERIAL			△					△
ALUMINUM								
PANEL SIGNS (2)	06405	SQFT	4494	700	60	60	-	5314
SHEETING SIGNS (3)			△					△
0.080 GAUGE	06406	SQFT	15	255	-	-	-	270
0.125 GAUGE	06407	SQFT	76	39	151	48	98	460
STEEL POST (4)(5)								
TYPE 1	06410	LF	105	85	318	102	208	102
TYPE 2	06411	LF	51	436	17	17	-	521
TYPE D (6)	21596ND	EACH	6	4	18	6	12	6
MILE MARKERS (7)	06412	EACH	-	-	-	-	-	-
REFERENCE MARKERS	04903	EACH	-	-	-	-	-	-
DELINEATORS								
WHITE	06413	EACH	-	-	-	-	-	-
AMBER	06414	EACH	-	-	-	-	-	-
REMOVAL ITEMS (8)(9)								
REMOVE OVERHEAD SIGN SUPPORT								
STRUCTURE	06449	EACH	4	△	-	-	-	4
REMOVE OVERHEAD SIGN SUPPORT (10)								
STRUCTURE CONCRETE BASE	06450	EACH	4	△	-	-	-	4
REMOVE SIGN SUPPORT BEAMS (11)	06451	EACH	4	-	-	-	-	4
REMOVE SIGN	21373ND	EACH	8	5	1	1	-	15
MOVE CANTILEVER SIGN SUPPORT	20995ND	EACH	-	-	-	-	-	-
REMOVE AND RELOCATE SIGN	20418ED	EACH	4	29	8	14	-	56
REMOVE SIGN BR ATTACH BRACKETS	06227	EACH	-	-	-	-	-	-
STEEL "W" BEAM GUARDRAIL								
SINGLE FACE	△ 02351	LF	200	-	-	-	-	200
DOUBLE FACE	02352	LF	-	-	-	-	-	-
END TREATMENT TYPE 1	02367	EACH	-	-	-	-	-	-
END TREATMENT TYPE 2A	△ 02369	EACH	1	-	-	-	-	1
END TREATMENT TYPE 4A	△ 02391	EACH	1	-	-	-	-	1

NOTES :

- PAYMENT FOR GROUND MOUNTED SIGN SUPPORTS TYPE A AND TYPE C SHALL BE BASED ON THE NOMINAL WEIGHT OF THE BEAMS. THE NECESSARY GALVANIZING, HARDWARE, ETC. IS TO BE CONSIDERED INCIDENTAL. QUANTITIES FOR TYPE C SUPPORTS SHALL INCLUDE ALL NECESSARY HARDWARE TO FORM COMPLETE BREAK-AWAY BEAMS. SEE PANEL SIGN DETAIL SHEET.
- QUANTITY SHALL INCLUDE ALL COPY AND HARDWARE NECESSARY TO FORM COMPLETE SIGNS. NO DEDUCTION IN AREA IS TO BE MADE FOR ROUNDING OF CORNERS.
- WITH PERMISSION OF THE ENGINEER, SHEETING SIGNS ON THE RAMPS AND SIDE ROADS MAY BE MOVED TO BE COMPATIBLE WITH THE EXISTING SIGNS.
- QUANTITY IS ESTIMATED. THE EXACT LENGTH SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- WHERE REQUIRED, BRACING FOR SHEETING SIGNS SHALL BE INCIDENTAL TO STEEL POST. SEE SHEETING SIGN DETAIL SHEET.
- QUANTITY SHALL INCLUDE ALL MATERIAL NECESSARY TO FORM A COMPLETE BREAK-AWAY ASSEMBLY. TYPE T POSTS AND CONCRETE SHALL BE PAID SEPARATELY. SEE SHEETING SIGN DETAIL SHEET.
- QUANTITY SHALL INCLUDE SIGN AND POST.
- ALL MATERIALS REMOVED AND NOT REUSED, SUCH AS SIGNS, SIGN LIGHTS, SIGN SUPPORTS, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- THE REMOVAL OF ALL TYPE I OR II POSTS AND ALL SHEETING SIGNS SHALL BE INCIDENTAL TO THE PROJECT WITH NO ADDITIONAL PAYMENT BEING ALLOWED. ALL MATERIAL SHALL BE STORED IN ACCORDANCE WITH NOTE (8) ABOVE.
- WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE, BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEDED.
- WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.
- QUANTITY SHALL INCLUDE W-BARS AND ALL HARDWARE NECESSARY FOR ATTACHING SIGNS TO SUPPORTS.
- QUANTITY IS ESTIMATED. THE EXACT NUMBER SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. SEE SIGNING POSITIONING DETAIL SHEET FOR DELINEATOR PLACEMENT.

DESIGNED BY: PARSONS BRINCKERHOFF
DATE SUBMITTED: 08-31-2011

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF

WARREN

I-65 & US 231 INTERCHANGE
PROJECT NUMBER: NH0651(095) F052 I14 0065 022-023

SIGNING QUANTITY SHEET

Cell Library: kyle sheet.cel
Cell Name: Summary Sheet
03-Dec-2007 HH:MM

PREPARED BY _____
CHECKED BY _____
DATE _____

APPROVED BY _____
DATE _____

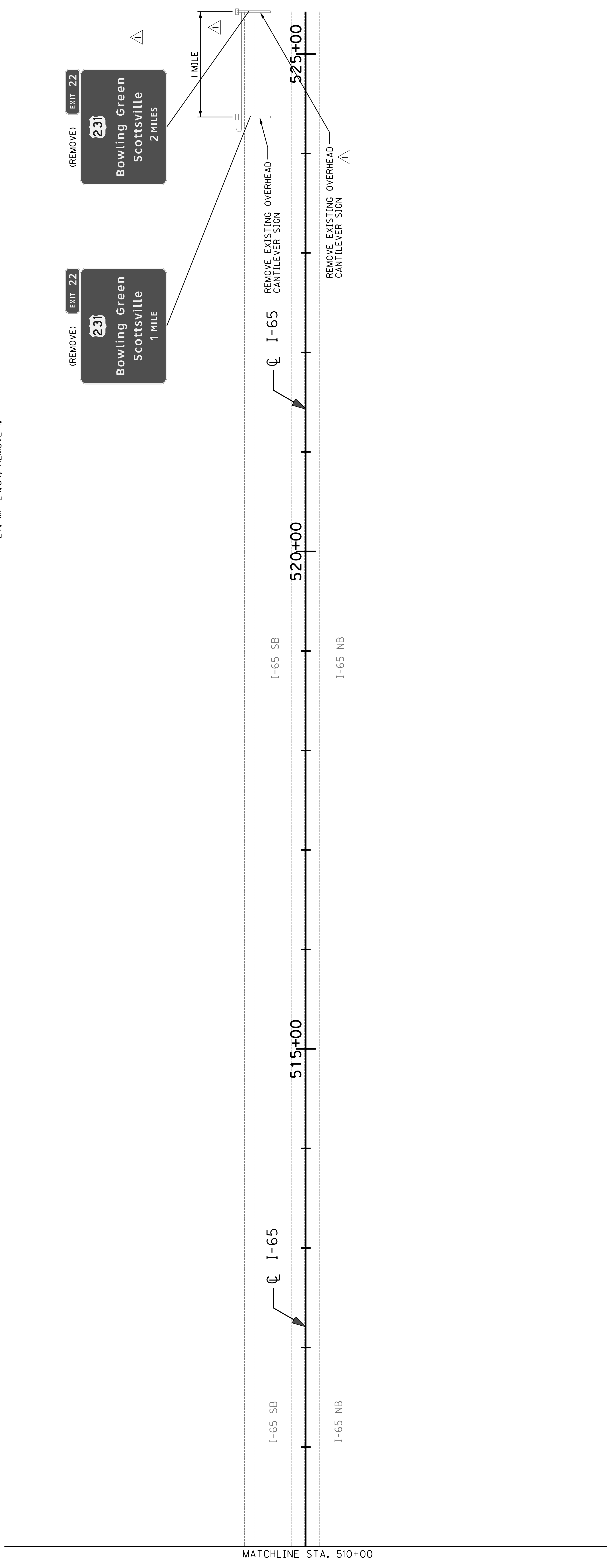
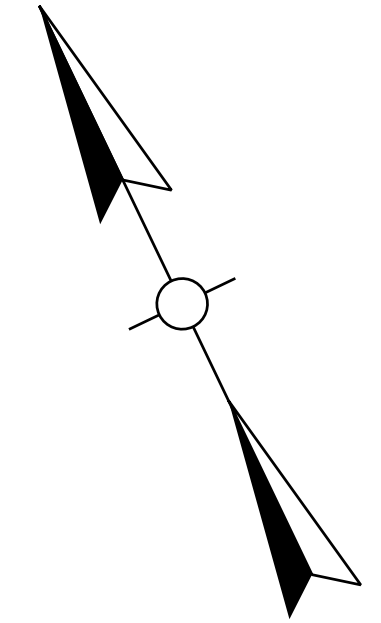
EXISTING SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T57

NOTES:
 △ REVISED 10-17-2011

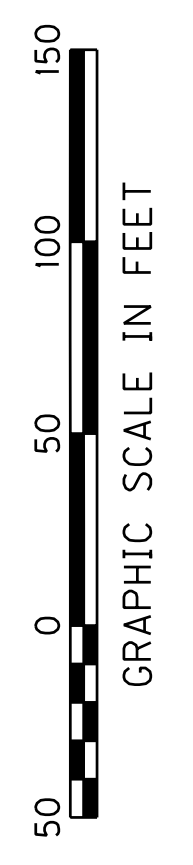
- REMOVE OVERHEAD SIGN SUPPORT STRUCTURE
L.T. STA. 524+38, REMOVE 1.
- REMOVE OVERHEAD STRUCTURE CONCRETE BASE
L.T. STA. 524+38, REMOVE 1.
- REMOVE OVERHEAD SIGN SUPPORT STRUCTURE
L.T. MP 24.64, REMOVE 1.
- REMOVE OVERHEAD STRUCTURE CONCRETE BASE
L.T. MP 24.64, REMOVE 1.

1. NOT ALL EXISTING SIGNS ARE SHOWN, OUTSIDE THE DISTURBED LIMITS, ONLY DIRECTIONAL GUIDANCE SIGNS PERTINENT TO THE RECONSTRUCTED INTERCHANGE ARE SHOWN. OTHER SIGNS NOT SHOWN ARE NOT TO BE DISTURBED.



APPROVED BY	DATE
CHECKED BY	DATE
PREPARED BY	DATE

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$
 E-SHEET NAME:



SCALE: 1"=50'

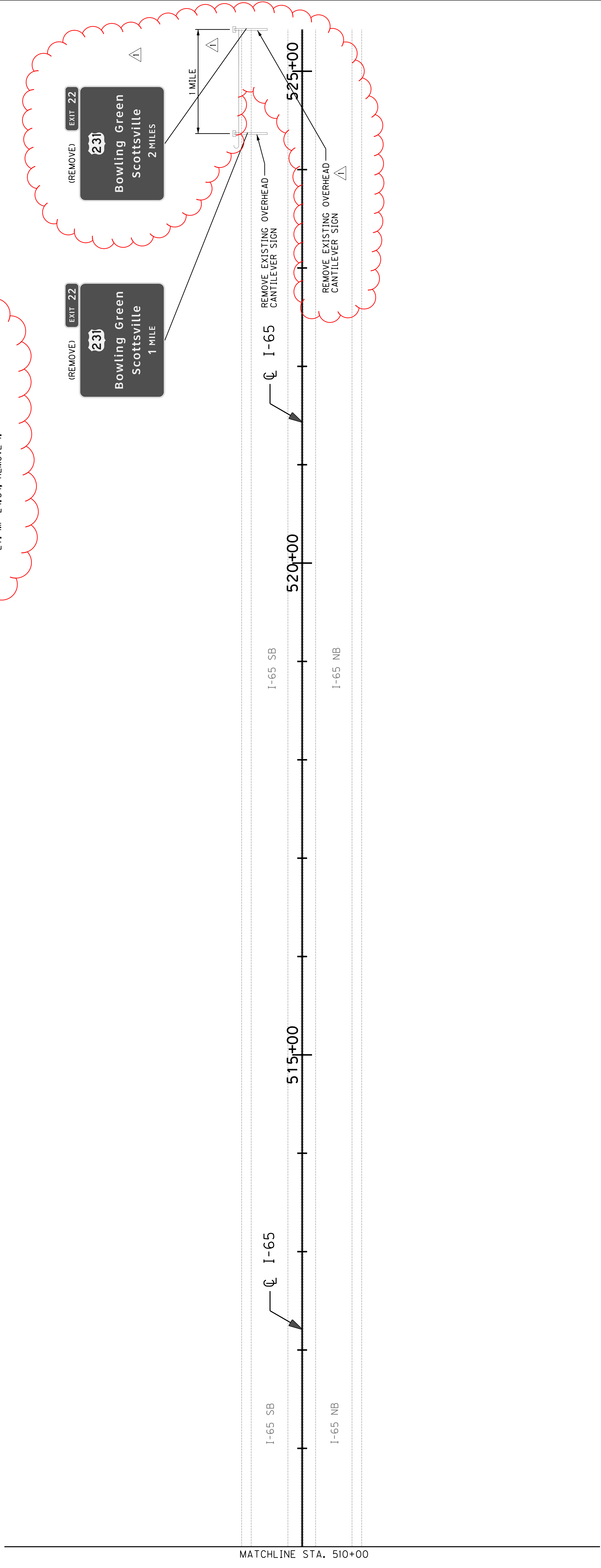
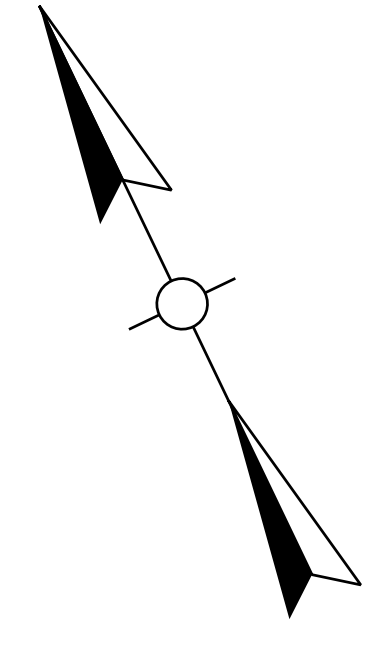
EXISTING SIGNING PLAN
 I-65
 STA. 510+00 TO STA. 525+00

EXISTING SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T57

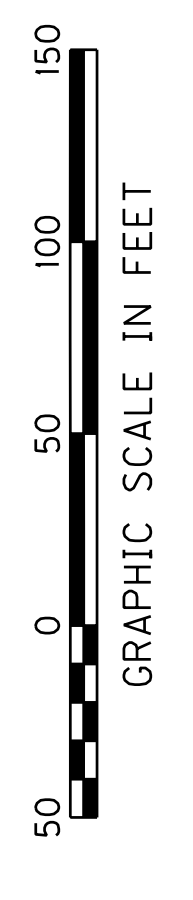
NOTES:
 △ REVISED 10-17-2011
 1. NOT ALL EXISTING SIGNS ARE SHOWN. OUTSIDE THE DISTURBED LIMITS, ONLY PRECISIONAL GUIDANCE SIGNS PERTINENT TO THE RECONSTRUCTED INTERCHANGE ARE SHOWN. OTHER SIGNS NOT SHOWN ARE NOT TO BE DISTURBED.

- REMOVE OVERHEAD SIGN SUPPORT STRUCTURE
L.T. STA. 524+38, REMOVE 1.
- REMOVE OVERHEAD STRUCTURE CONCRETE BASE
~~L.T. STA. 524+38, REMOVE 1.~~
- REMOVE OVERHEAD SIGN SUPPORT STRUCTURE
L.T. MP 24.64, REMOVE 1.
- REMOVE OVERHEAD STRUCTURE CONCRETE BASE
L.T. MP 24.64, REMOVE 1.



APPROVED BY	DATE
CHECKED BY	DATE
PREPARED BY	DATE

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$
 E-SHEET NAME:



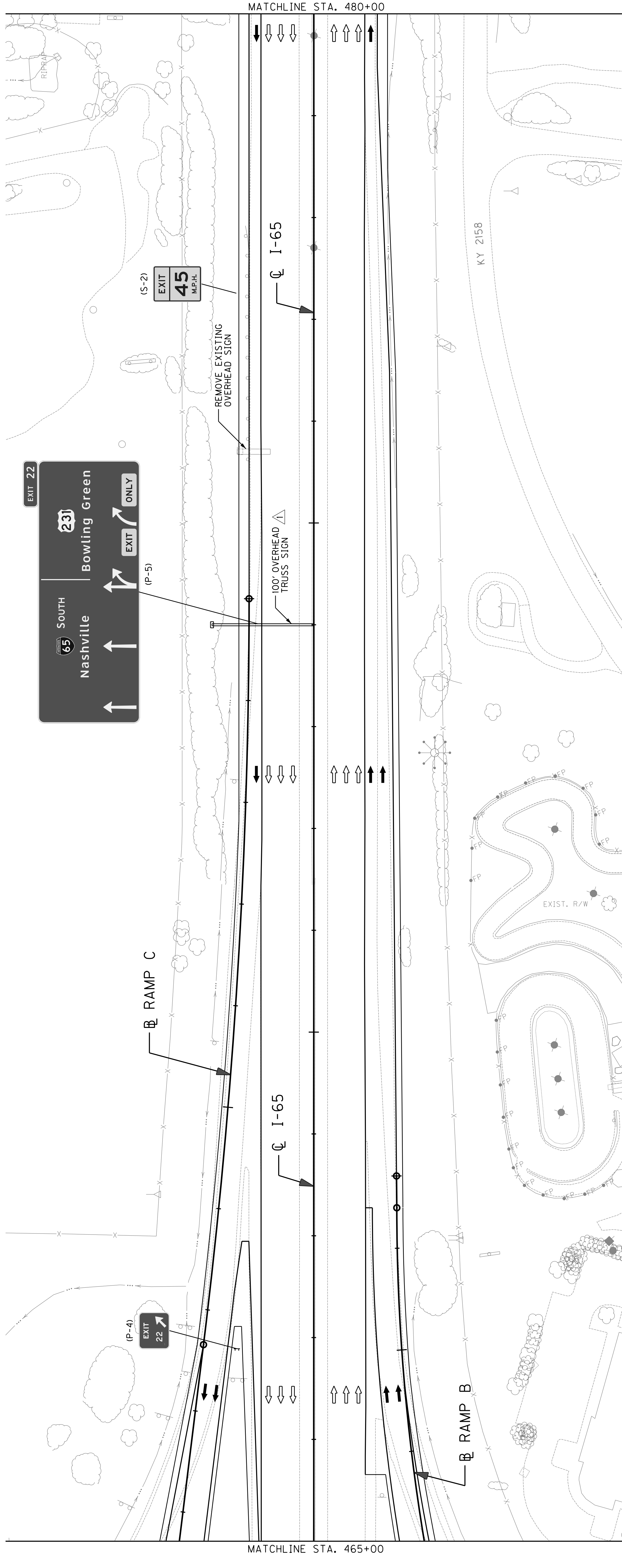
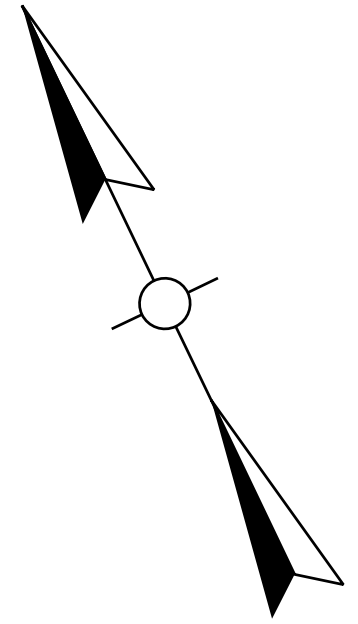
SCALE: 1"=50'

EXISTING SIGNING PLAN
 I-65
 STA. 510+00 TO STA. 525+00

PROPOSED SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T72

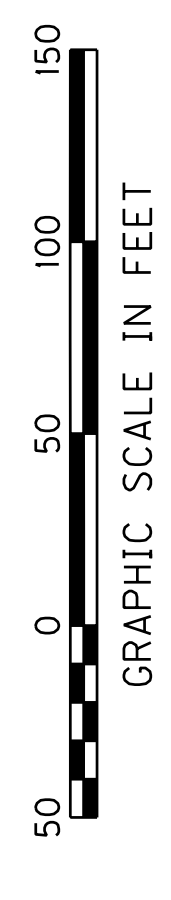
△ REVISED 10-17-2011



APPROVED BY	DATE
CHECKED BY	DATE
PREPARED BY	DATE

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$

E-SHEET NAME:



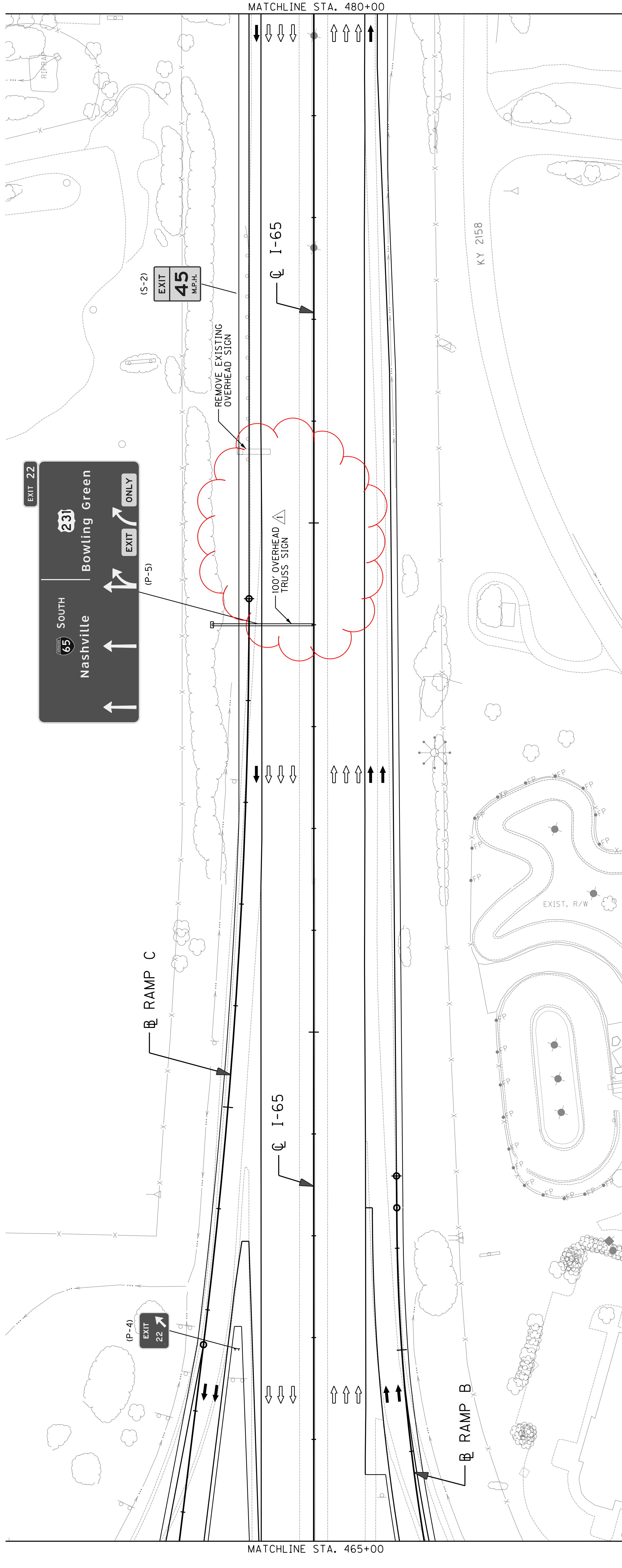
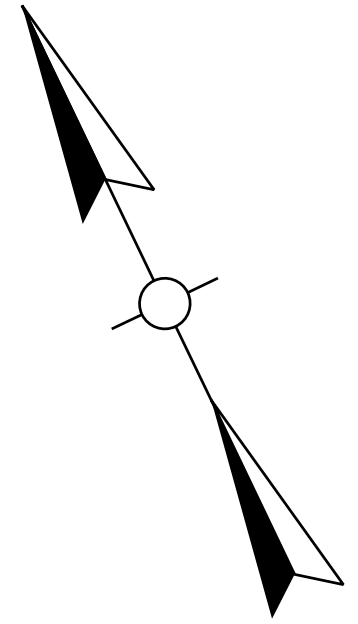
SCALE: 1"=50'

PROPOSED SIGNING PLAN
 I-65
 STA. 465+00 TO STA. 480+00

PROPOSED SIGNING

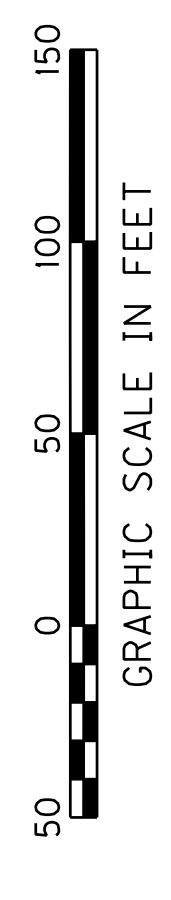
COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T72

△ REVISED 10-17-2011



APPROVED BY	DATE
CHECKED BY	DATE
PREPARED BY	DATE

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$



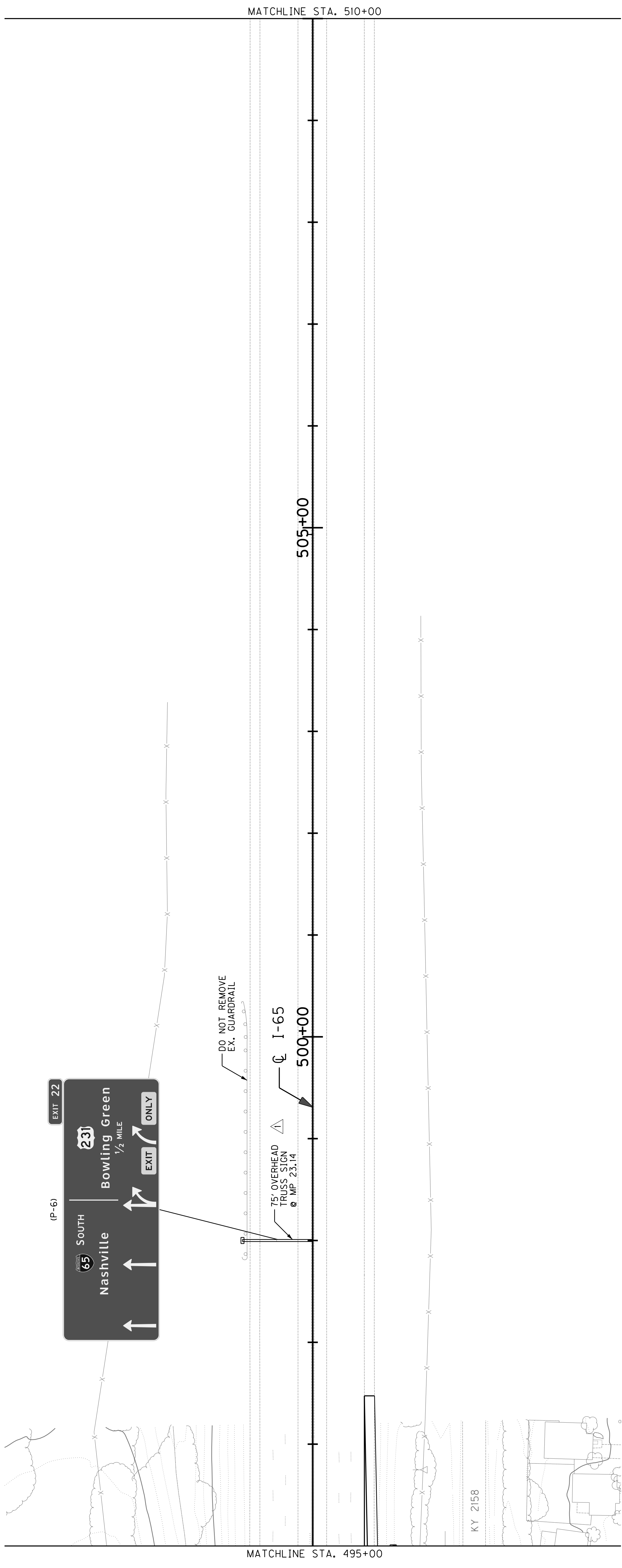
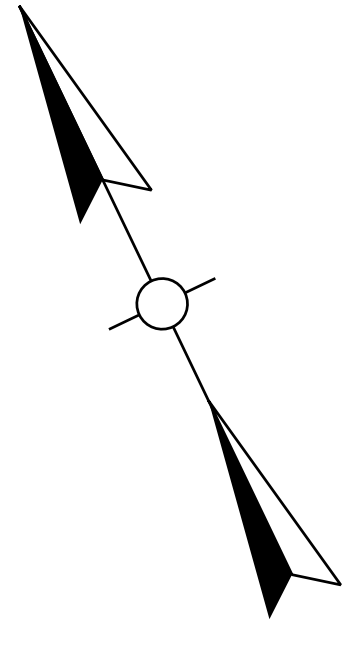
SCALE: 1"=50'

PROPOSED SIGNING PLAN
 I-65
 STA. 465+00 TO STA. 480+00

PROPOSED SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T74

NOTES:
 △ REVISED 10-17-2011
 1. NOT ALL EXISTING SIGNS ARE SHOWN, OUTSIDE THE DISTURBED LIMITS, ONLY DIRECTIONAL GUIDANCE SIGNS PERTINENT TO THE RECONSTRUCTED INTERCHANGE ARE SHOWN. OTHER SIGNS NOT SHOWN ARE NOT TO BE DISTURBED.

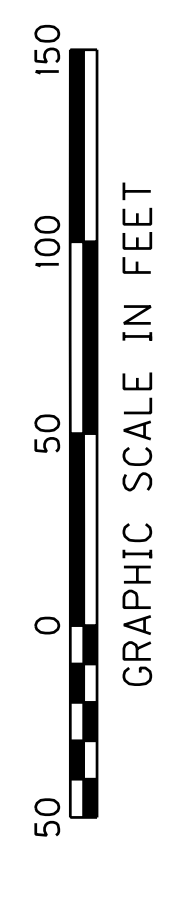


MATCHLINE STA. 510+00

MATCHLINE STA. 495+00

APPROVED BY _____	DATE _____
CHECKED BY _____	DATE _____
PREPARED BY _____	DATE _____

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$
 E-SHEET NAME:



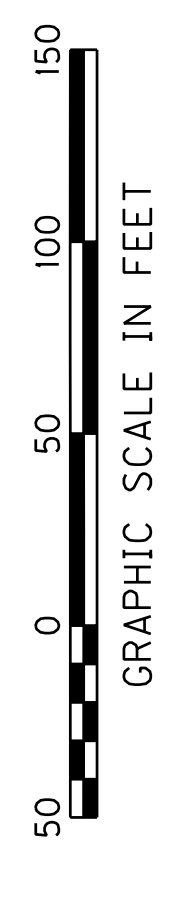
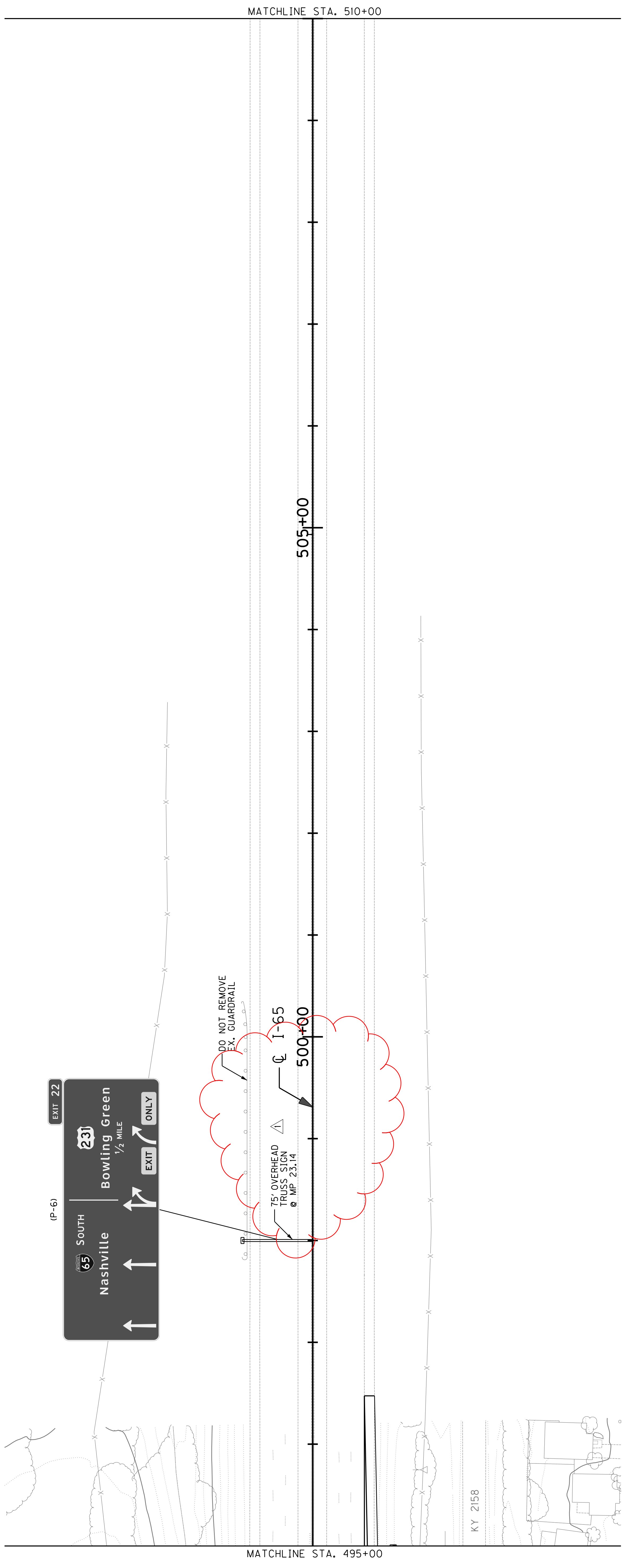
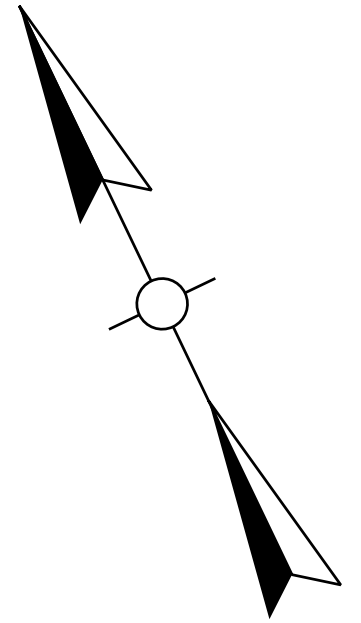
SCALE: 1"=50'

PROPOSED SIGNING PLAN
 I-65
 STA. 495+00 TO STA. 510+00

PROPOSED SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T74

NOTES:
 △ REVISED 10-17-2011
 1. NOT ALL EXISTING SIGNS ARE SHOWN, OUTSIDE THE DISTURBED LIMITS, ONLY DIRECTIONAL GUIDANCE SIGNS PERTINENT TO THE RECONSTRUCTED INTERCHANGE ARE SHOWN. OTHER SIGNS NOT SHOWN ARE NOT TO BE DISTURBED.



SCALE: 1"=50'

PROPOSED SIGNING PLAN
 I-65
 STA. 495+00 TO STA. 510+00

APPROVED BY	DATE
CHECKED BY	DATE
PREPARED BY	DATE

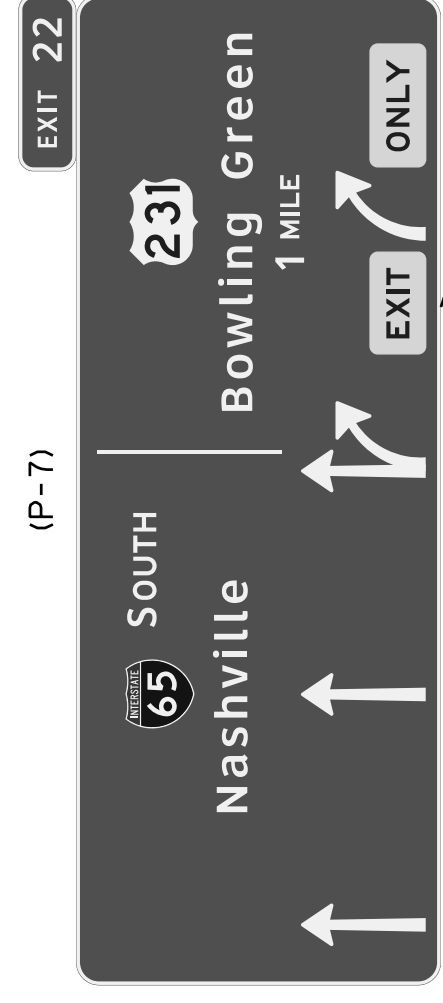
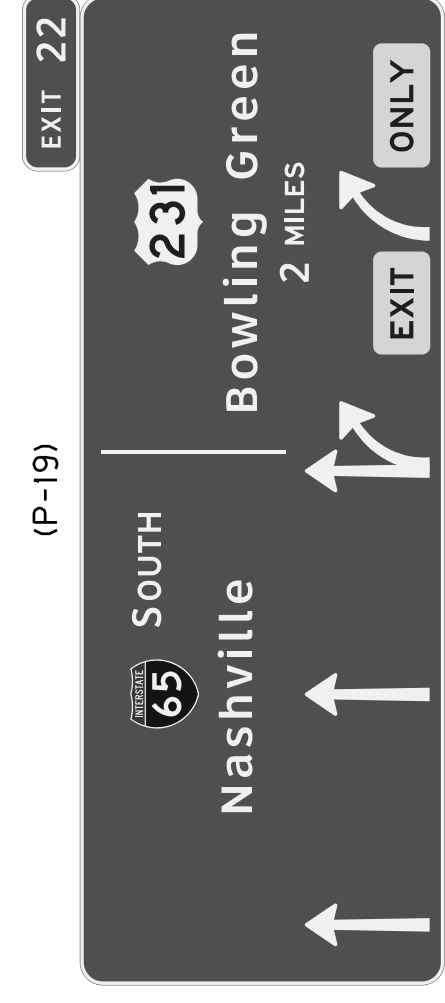
USER: \$\$\$USER\$\$\$
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 FILE NAME: \$\$\$design\$file\$specification\$\$\$
 E-SHEET NAME:

PROPOSED SIGNING

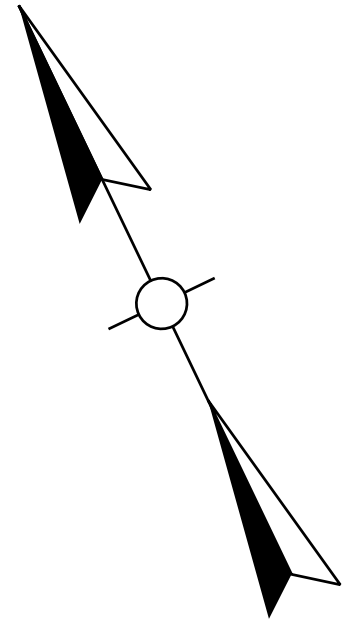
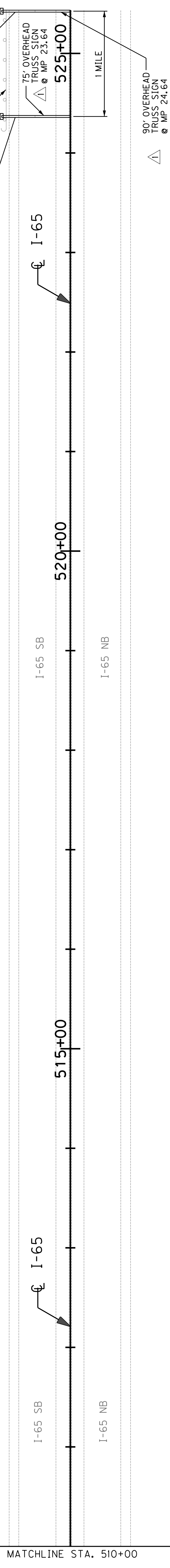
COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T75

NOTES:

- 1. NOT ALL EXISTING SIGNS ARE SHOWN. OUTSIDE THE DISTURBED LIMITS, ONLY PERMANENT GUIDANCE SIGNS, PERMANENT OR TEMPORARY TRUCK INTERCHANGE ARE SHOWN. OTHER SIGNS NOT SHOWN ARE NOT TO BE DISTURBED.

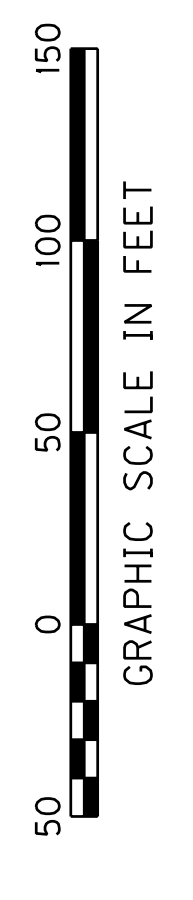


DO NOT REMOVE EX. GUARDRAIL



APPROVED BY	DATE
CHECKED BY	DATE
PREPARED BY	DATE

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$
 E-SHEET NAME:



SCALE: 1"=50'

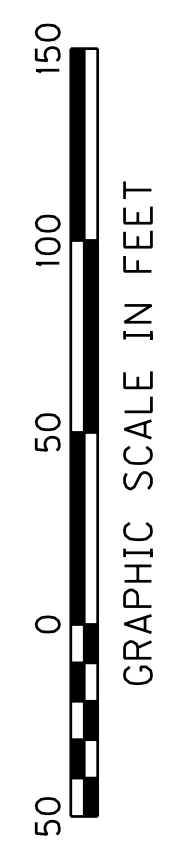
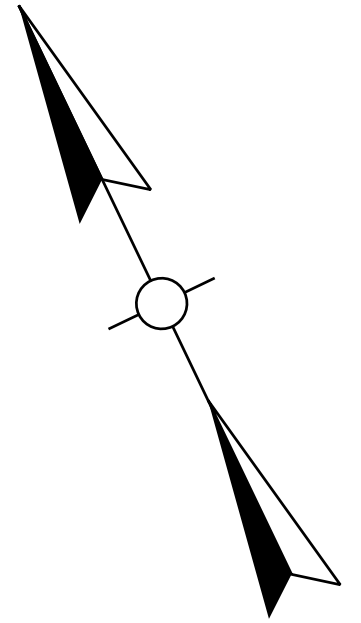
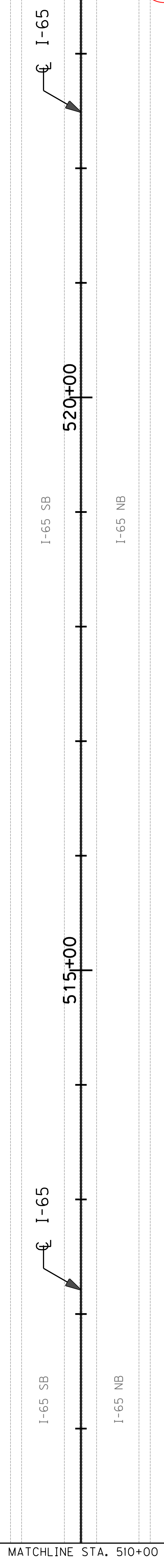
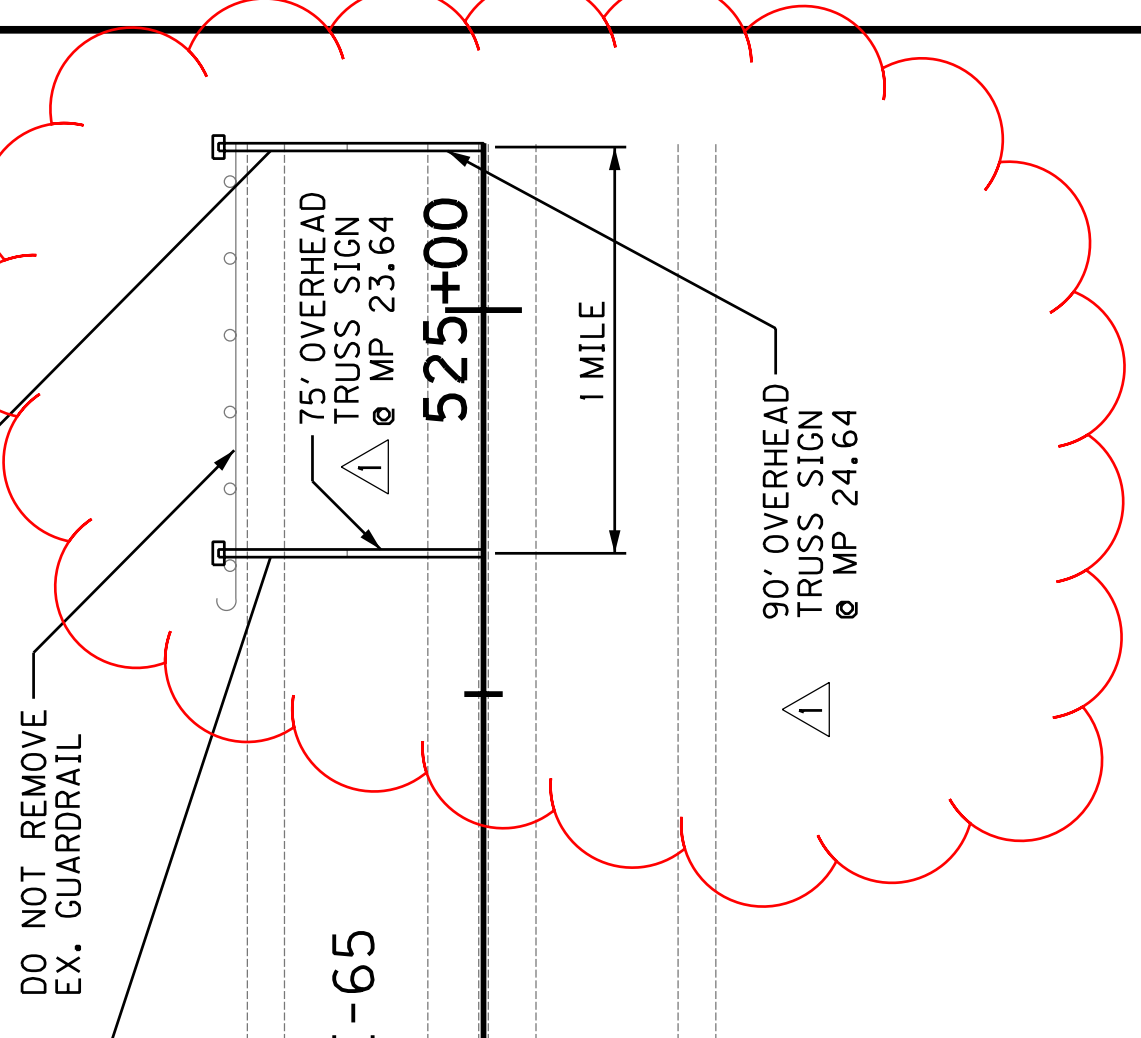
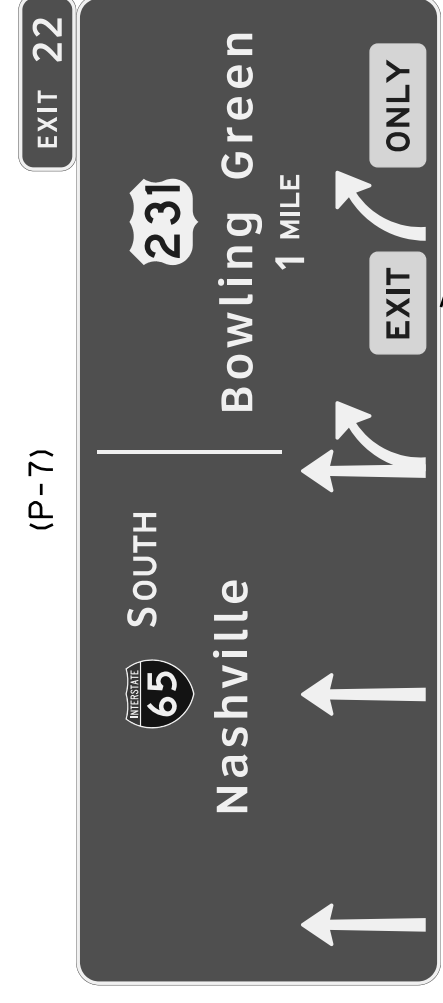
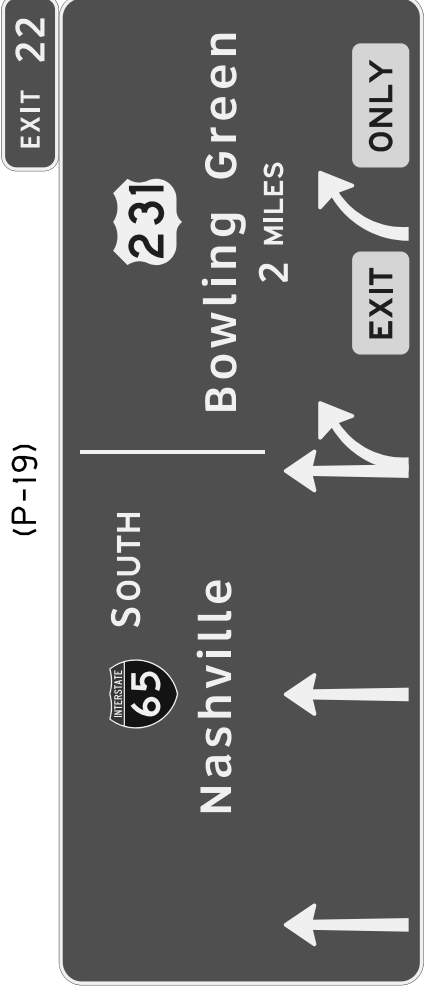
PROPOSED SIGNING PLAN
 I-65
 STA. 510+00 TO STA. 525+00

PROPOSED SIGNING

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	3-17.00	T75

NOTES:

- 1. NOT ALL EXISTING SIGNS ARE SHOWN. OUTSIDE THE DISTURBED LIMITS, ONLY PERMANENT GUIDANCE SIGNS, PERMANENT OR TEMPORARY TRUCK INTERCHANGE ARE SHOWN. OTHER SIGNS NOT SHOWN ARE NOT TO BE DISTURBED.



SCALE: 1"=50'

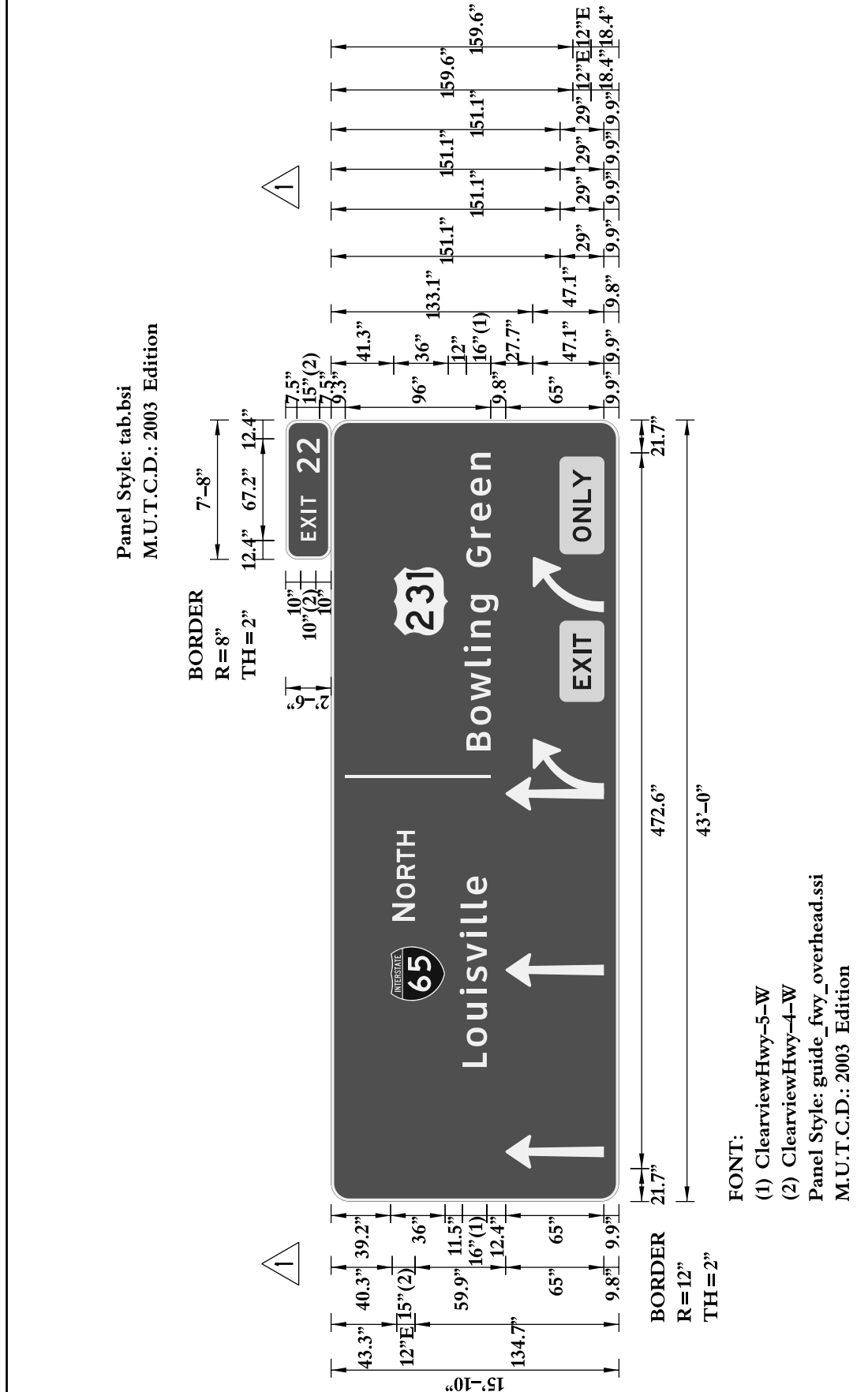
PROPOSED SIGNING PLAN
I-65
STA. 510+00 TO STA. 525+00

APPROVED BY	DATE
CHECKED BY	DATE
PREPARED BY	DATE

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$design\$file\$specification\$\$\$
E-SHEET NAME:

REVISI 10-17-2011

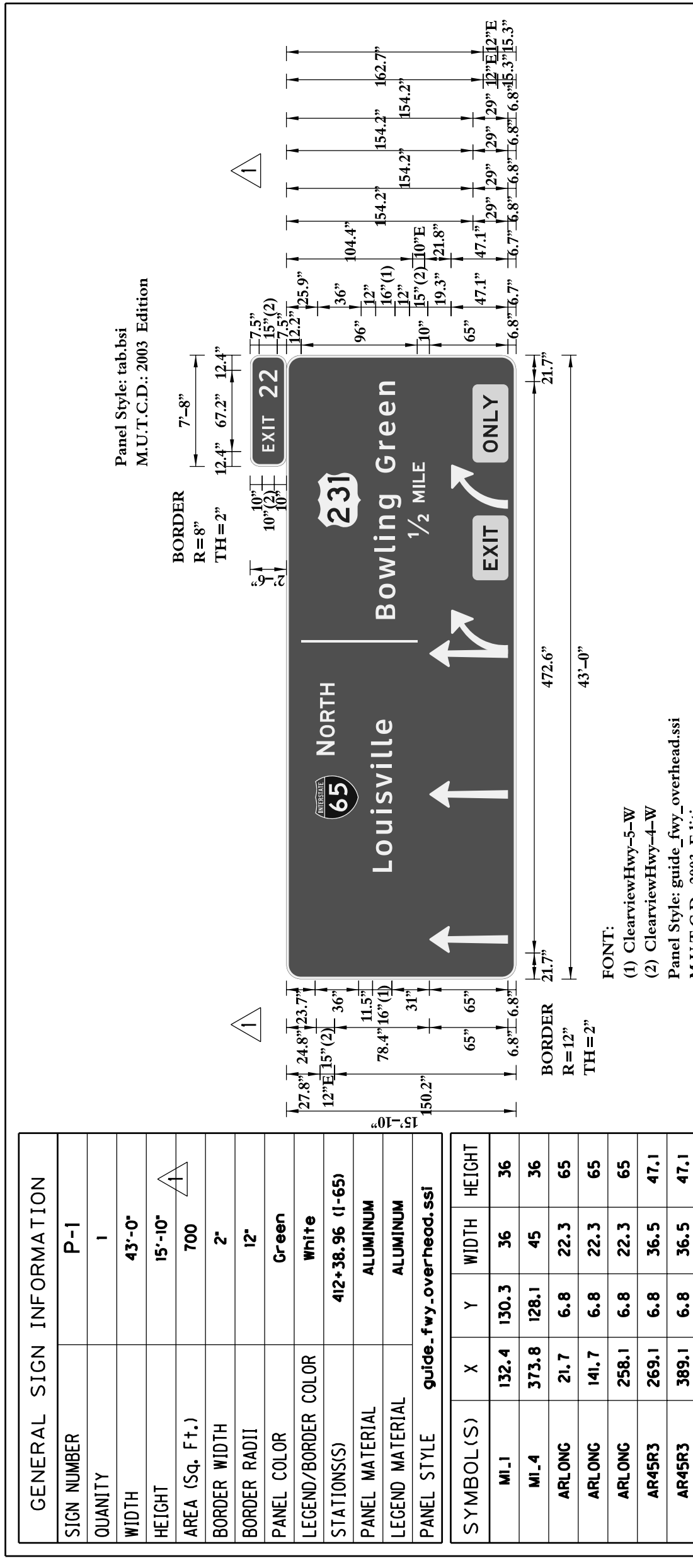
GENERAL NOTES:



GENERAL SIGN INFORMATION		P-2		
SIGN NUMBER	QUANTITY	1		
WIDTH	HEIGHT	43'-0"		
AREA (Sq. Ft.)	BORDER WIDTH	15'-10"		
BORDER RADIUS	PANEL COLOR	700	Green	
PANEL COLOR	LEGEND/BORDER COLOR	2"	White	
STATION(S)	PANEL MATERIAL	419+52.64 (1-65)	ALUMINUM	
PANEL MATERIAL	LEGEND MATERIAL	ALUMINUM	ALUMINUM	
LEGEND MATERIAL	PANEL STYLE	guide_fwy_overhead.ssi		
SYMBOL(S)				
M-1	X	Y	WIDTH	HEIGHT
M-4	132.4	114.8	36	36
ARLONG	21.7	9.9	22.3	65
ARLONG	141.7	9.9	22.3	65
ARLONG	258.1	9.9	22.3	65
AR45R3	269.1	9.9	36.5	47.1
AR45R3	389.1	9.9	36.5	47.1

LETTER SPACING / INFORMATION		E	X	I	T
S= CVHwy-4-W	COPY	12.4	20.4	30.9	35.4
L= 67.2	SPACE	12.4	20.4	30.9	35.4
S= CVHwy-4-W	COPY	185.3	200.0	212.9	223.9
L= 59.4	SPACE	185.3	200.0	212.9	223.9
S= CVHwy-5-W	COPY	88.8	102.5	120.2	136.8
L= 125.7	SPACE	88.8	102.5	120.2	136.8
S= CVHwy-5-W	COPY	297.8	314.7	330.7	353.5
L= 196.4	SPACE	297.8	314.7	330.7	353.5
S= E 2000	COPY	364.6	394.4	406.4	420.0
L= 36.7	SPACE	364.6	394.4	406.4	420.0
S= E 2000	COPY	435.7	448.5	461.3	471.3
L= 47.9	SPACE	435.7	448.5	461.3	471.3
S=	COPY				
L=	SPACE				

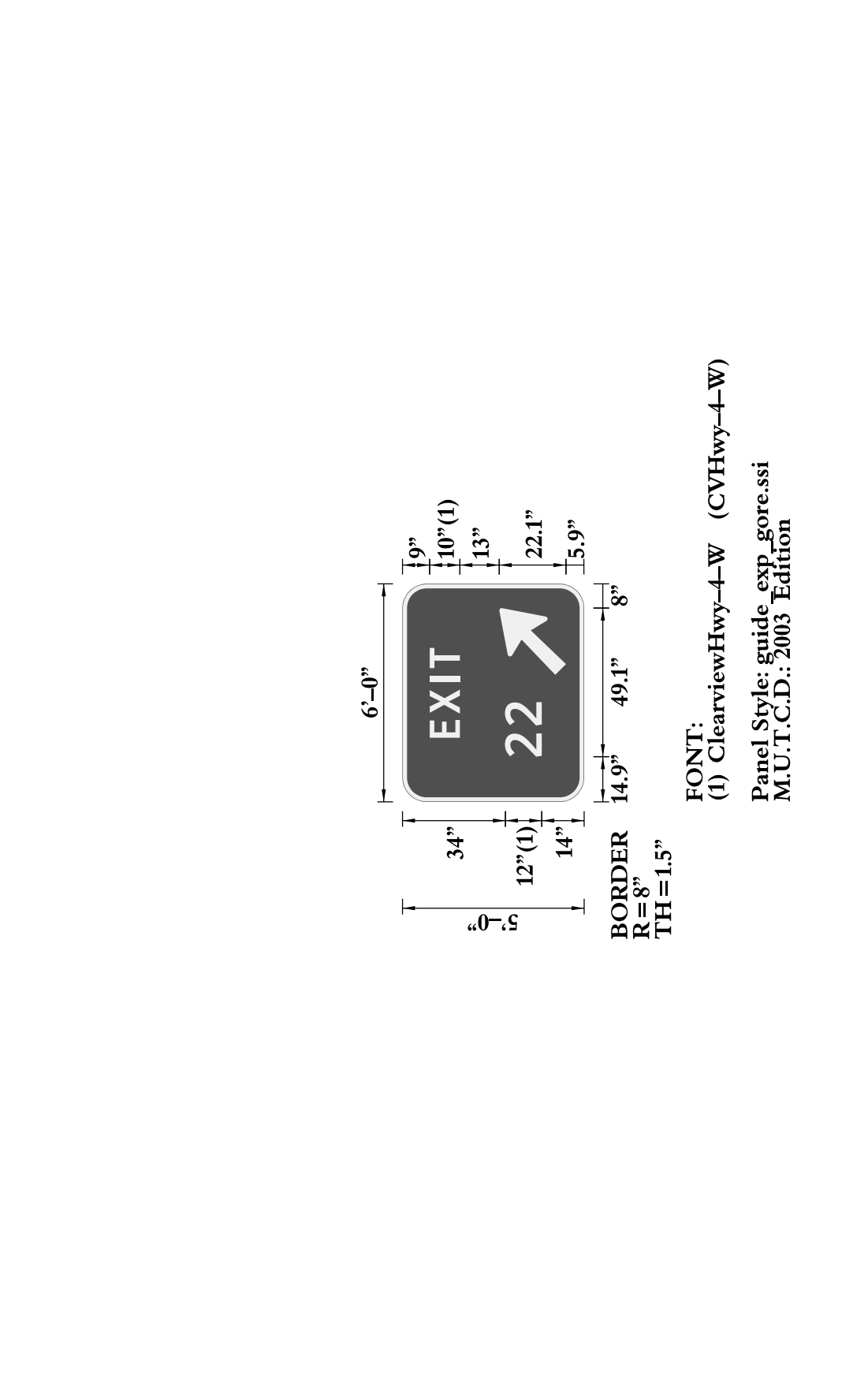
SIGN LOCATION & MOUNTING INFORMATION		TRAFFIC DIRECTION	ON ROAD	MILE POINT
SIDE OF ROAD	OVERHEAD	NORTHBOUND	I-65	
MOUNTING STYLE	ON EXISTING TRUSS			
BEAM MATERIAL				
BEAM SIZE				
BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE			
BEAM/POST 2 LENGTH =	' L.T.			
BEAM/POST 3 LENGTH =	' R.T.			
TYPE 'A' FIXED	TYPE 'B' BREAK-A-WAY			
CONCRETE BASE DIMENSIONS				
o =	DIA.	b =	Cu. Yds.	



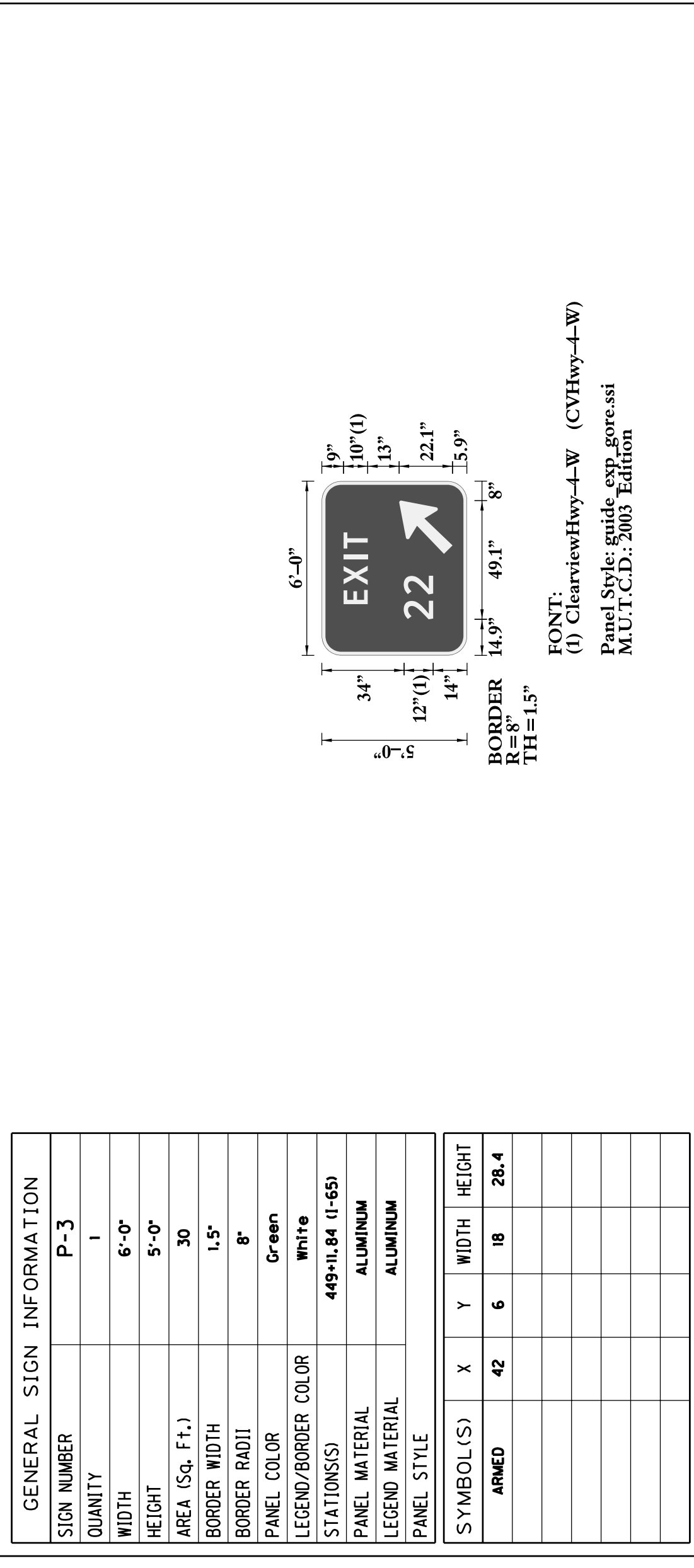
GENERAL SIGN INFORMATION		P-1		
SIGN NUMBER	QUANTITY	1		
WIDTH	HEIGHT	43'-0"		
AREA (Sq. Ft.)	BORDER WIDTH	15'-10"		
BORDER RADIUS	PANEL COLOR	700	Green	
PANEL COLOR	LEGEND/BORDER COLOR	2"	White	
STATION(S)	PANEL MATERIAL	419+38.96 (1-65)	ALUMINUM	
PANEL MATERIAL	LEGEND MATERIAL	ALUMINUM	ALUMINUM	
LEGEND MATERIAL	PANEL STYLE	guide_fwy_overhead.ssi		
SYMBOL(S)				
M-1	X	Y	WIDTH	HEIGHT
M-4	132.4	130.3	36	36
ARLONG	21.7	6.8	22.3	65
ARLONG	141.7	6.8	22.3	65
ARLONG	258.1	6.8	22.3	65
AR45R3	269.1	6.8	36.5	47.1
AR45R3	389.1	6.8	36.5	47.1

LETTER SPACING / INFORMATION		E	X	I	T
S= CVHwy-4-W	COPY	12.4	20.4	30.9	35.4
L= 67.2	SPACE	12.4	20.4	30.9	35.4
S= CVHwy-4-W	COPY	185.3	200.0	212.9	223.9
L= 59.4	SPACE	185.3	200.0	212.9	223.9
S= CVHwy-5-W	COPY	88.8	102.5	120.2	136.8
L= 125.7	SPACE	88.8	102.5	120.2	136.8
S= CVHwy-5-W	COPY	297.8	314.7	330.7	353.5
L= 196.4	SPACE	297.8	314.7	330.7	353.5
S= CVHwy-4-W	COPY	364.6	394.4	406.4	420.0
L= 62.9	SPACE	364.6	394.4	406.4	420.0
S= E 2000	COPY	435.7	448.5	461.3	471.3
L= 36.7	SPACE	435.7	448.5	461.3	471.3
S=	COPY				
L=	SPACE				

SIGN LOCATION & MOUNTING INFORMATION		TRAFFIC DIRECTION	ON ROAD	MILE POINT
SIDE OF ROAD	OVERHEAD	NORTHBOUND	I-65	
MOUNTING STYLE	ON EXISTING TRUSS			
BEAM MATERIAL				
BEAM SIZE				
BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE			
BEAM/POST 2 LENGTH =	' L.T.			
BEAM/POST 3 LENGTH =	' R.T.			
TYPE 'A' FIXED	TYPE 'B' BREAK-A-WAY			
CONCRETE BASE DIMENSIONS				
o =	DIA.	b =	Cu. Yds.	



GENERAL SIGN INFORMATION		P-4		
SIGN NUMBER	QUANTITY	1		
WIDTH	HEIGHT	6'-0"		
AREA (Sq. Ft.)	BORDER WIDTH	5'-0"		
BORDER RADIUS	PANEL COLOR	30	Green	
PANEL COLOR	LEGEND/BORDER COLOR	1.5'	White	
STATION(S)	PANEL MATERIAL	466+89.05 (1-65)	ALUMINUM	
PANEL MATERIAL	LEGEND MATERIAL	ALUMINUM	ALUMINUM	
LEGEND MATERIAL	PANEL STYLE	ALUMINUM		
SYMBOL(S)				
ARMED	X	Y	WIDTH	HEIGHT
	42	6	18	28.4



GENERAL SIGN INFORMATION		P-3		
SIGN NUMBER	QUANTITY	1		
WIDTH	HEIGHT	6'-0"		
AREA (Sq. Ft.)	BORDER WIDTH	5'-0"		
BORDER RADIUS	PANEL COLOR	30	Green	
PANEL COLOR	LEGEND/BORDER COLOR	1.5'	White	
STATION(S)	PANEL MATERIAL	449+11.84 (1-65)	ALUMINUM	
PANEL MATERIAL	LEGEND MATERIAL	ALUMINUM	ALUMINUM	
LEGEND MATERIAL	PANEL STYLE	ALUMINUM		
SYMBOL(S)				
ARMED	X	Y	WIDTH	HEIGHT
	42	6	18	28.4

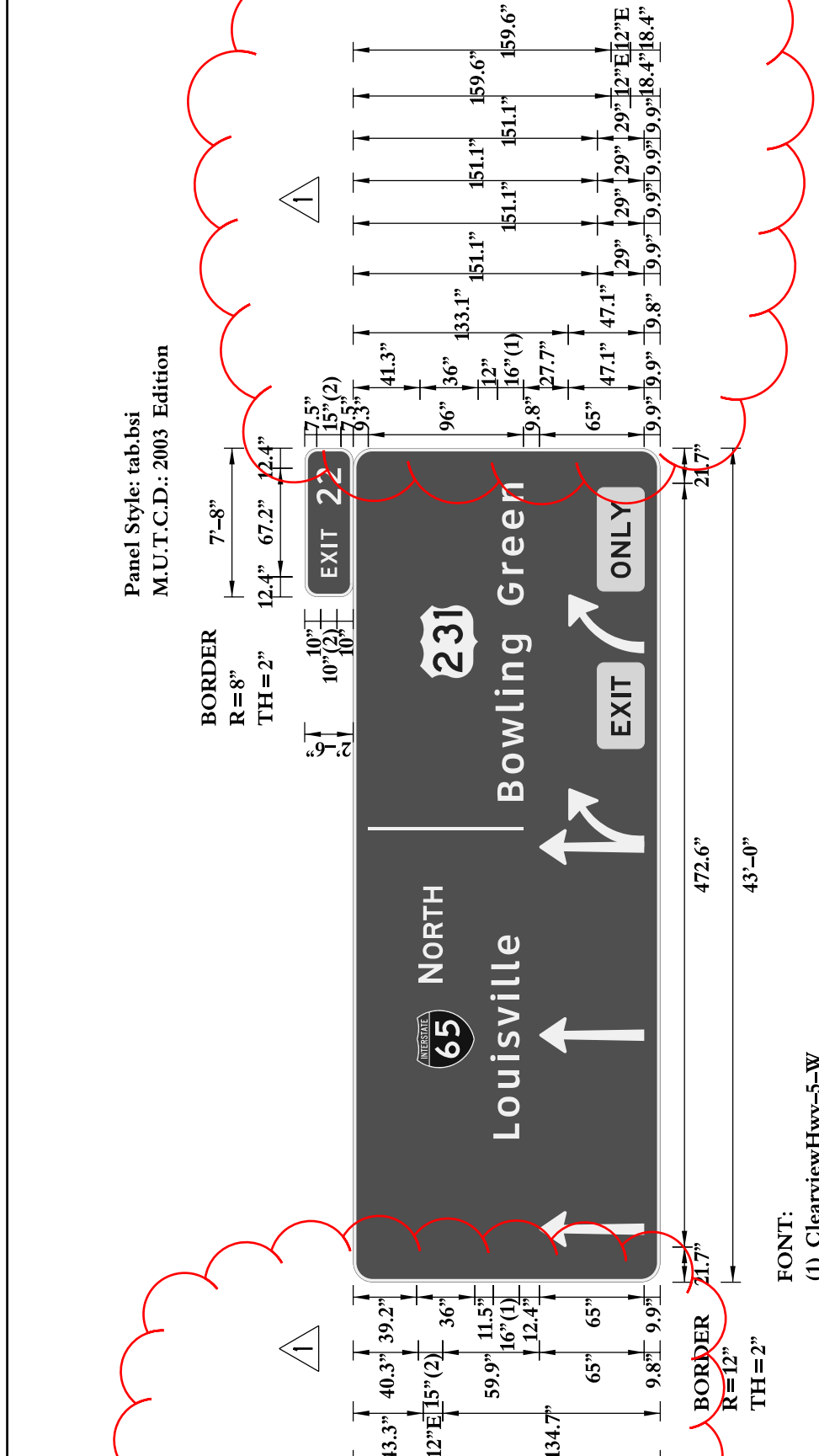
LETTER SPACING / INFORMATION		E	X	I	T
S= CVHwy-4-W	COPY	21.2	29.1	39.7	44.2
L= 29.7	SPACE	21.2	29.1	39.7	44.2
S= CVHwy-4-W	COPY	14.9	14.9	25.2	
L= 18	SPACE	14.9	14.9	25.2	
S=	COPY				
L=	SPACE				
S=	COPY				
L=	SPACE				
S=	COPY				
L=	SPACE				
S=	COPY				
L=	SPACE				
S=	COPY				
L=	SPACE				

SIGN LOCATION & MOUNTING INFORMATION		TRAFFIC DIRECTION	ON ROAD	MILE POINT
SIDE OF ROAD	OVERHEAD	NORTHBOUND	I-65	
MOUNTING STYLE	TYPE 'I' SQUARE TUBE POST			
BEAM MATERIAL				
BEAM SIZE	2 1/2" x 2 1/2" - 12 ga.			
BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE			
BEAM/POST 2 LENGTH =	' L.T.			
BEAM/POST 3 LENGTH =	' R.T.			
TYPE 'A' FIXED	TYPE 'B' BREAK-A-WAY X			
CONCRETE BASE DIMENSIONS				
o =	1.5' DIA.	b =	3.5'	0.46 Cu. Yds.

LETTER SPACING / INFORMATION		E	X	I	T
S= CVHwy-4-W	COPY	21.2	29.1	39.7	44.2
L= 29.7	SPACE	21.2	29.1	39.7	44.2
S= CVHwy-4-W	COPY	2	2		
L= 18	SPACE	14.9	14.9	25.2	
S=	COPY				
L=	SPACE				
S=	COPY				
L=	SPACE				
S=	COPY				
L=	SPACE				
S=	COPY				
L=	SPACE				

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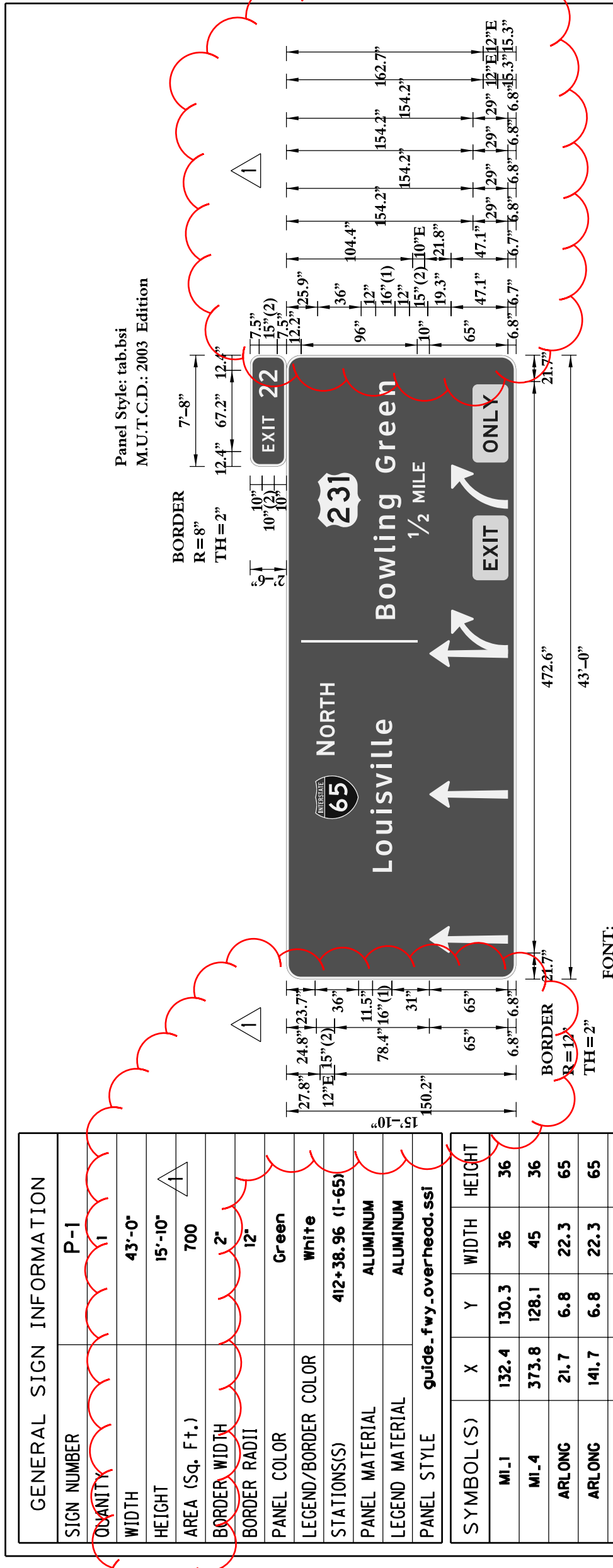
GENERAL NOTES:



GENERAL SIGN INFORMATION		P-2		
SIGN NUMBER	QUANTITY	P-2	1	
WIDTH	HEIGHT	43'-0"	15'-10"	
AREA (Sq. Ft.)	BORDER WIDTH	700	2"	
BORDER RADIUS	PANEL COLOR	12"	Green	
LEGEND/BORDER COLOR	STATION(S)	White	439+52.64 (I-65)	
PANEL MATERIAL	LEGEND MATERIAL	ALUMINUM	ALUMINUM	
LEGEND MATERIAL	PANEL STYLE	ALUMINUM	guide_fwy_overhead.ssi	
SYMBOL(S)				
M-1	X	Y	WIDTH	HEIGHT
M-4	132.4	144.8	36	36
ARLONG	21.7	9.9	22.3	65
ARLONG	141.7	9.9	22.3	65
ARLONG	258.1	9.9	22.3	65
AR45R3	269.1	6.8	36.5	47.1
AR45R3	369.1	6.8	36.5	47.1

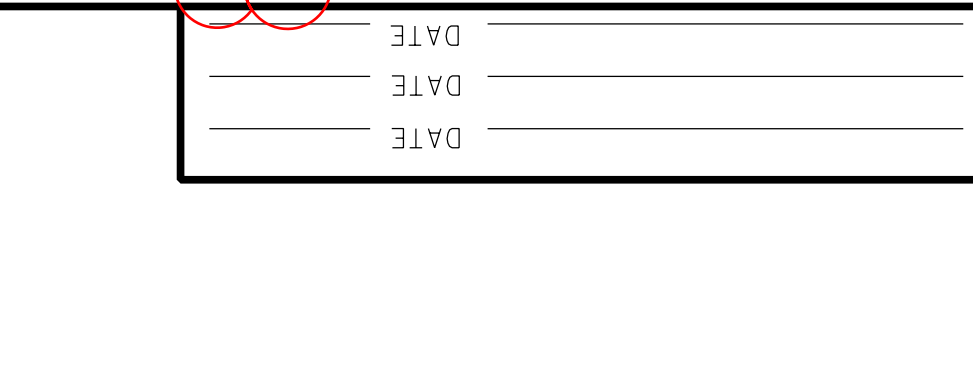
LETTER SPACING / INFORMATION		P-2												
S- CVHwy-4-W	COPY	E	X	I	T	2	2							
L=	SPACE	12.4	20.4	30.9	35.4	57.1	70							
S- CVHwy-4-W	COPY	N	O	R	T	H								
L=	SPACE	185.3	200.0	212.9	223.9	235.0								
S- CVHwy-5-W	COPY	L	O	U	S	V	I	I	O					
L=	SPACE	88.8	102.5	120.2	136.8	145.0	158.3	174.3	183.8	193.6	202.8			
S- CVHwy-5-W	COPY	B	O	W	I	N	G	E	N					
L=	SPACE	297.8	314.7	330.7	353.5	363.0	372.4	388.9	400.5	418.8	438.2	449.5	466.1	483.2
S- E 2000	COPY	E	X	I	T									
L=	SPACE	338.3	349.0	361.8	366.0									
S- E 2000	COPY	O	N	L	Y									
L=	SPACE	435.7	448.5	461.3	471.3									
S-	COPY													
L=	SPACE													

LETTER SPACING / INFORMATION		P-1												
S- CVHwy-4-W	COPY	E	X	I	T	2	2							
L=	SPACE	12.4	20.4	30.9	35.4	57.1	70							
S- CVHwy-4-W	COPY	N	O	R	T	H								
L=	SPACE	185.3	200.0	212.9	223.9	235.0								
S- CVHwy-5-W	COPY	L	O	U	S	V	I	I	O					
L=	SPACE	88.8	102.5	120.2	136.8	145.0	158.3	174.3	183.8	193.6	202.8			
S- CVHwy-5-W	COPY	B	O	W	I	N	G	E	N					
L=	SPACE	297.8	314.7	330.7	353.5	363.0	372.4	388.9	400.5	418.8	438.2	449.5	466.1	483.2
S- CVHwy-4-W	COPY	I	Z	E										
L=	SPACE	364.6	394.4	406.4	410.8	420.0								
S- E 2000	COPY	E	X	I	T									
L=	SPACE	338.3	349.0	361.8	366.0									
S-	COPY													
L=	SPACE													

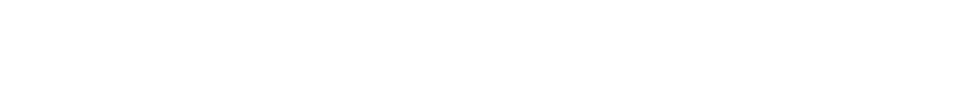


GENERAL SIGN INFORMATION		P-3		
SIGN NUMBER	QUANTITY	P-3	1	
WIDTH	HEIGHT	6'-0"	5'-0"	
AREA (Sq. Ft.)	BORDER WIDTH	30	1.5"	
BORDER RADIUS	PANEL COLOR	8"	Green	
LEGEND/BORDER COLOR	STATION(S)	White	449+11.84 (I-65)	
PANEL MATERIAL	LEGEND MATERIAL	ALUMINUM	ALUMINUM	
LEGEND MATERIAL	PANEL STYLE	ALUMINUM		
SYMBOL(S)				
ARMED	X	Y	WIDTH	HEIGHT
	42	6	18	28.4

LETTER SPACING / INFORMATION		P-3					
S- CVHwy-4-W	COPY	E	X	I	T		
L=	SPACE	21.2	29.1	39.7	44.2		
S- CVHwy-4-W	COPY	2	2				
L=	SPACE	14.9	25.2				
S-	COPY						
L=	SPACE						



LETTER SPACING / INFORMATION		P-4					
S- CVHwy-4-W	COPY	E	X	I	T		
L=	SPACE	21.2	29.1	39.7	44.2		
S- CVHwy-4-W	COPY	2	2				
L=	SPACE	14.9	25.2				
S-	COPY						
L=	SPACE						



LETTER SPACING / INFORMATION		P-4					
S- CVHwy-4-W	COPY	E	X	I	T		
L=	SPACE	21.2	29.1	39.7	44.2		
S- CVHwy-4-W	COPY	2	2				
L=	SPACE	14.9	25.2				
S-	COPY						
L=	SPACE						

GENERAL SIGN INFORMATION		P-4		
SIGN NUMBER	QUANTITY	P-4	1	
WIDTH	HEIGHT	6'-0"	5'-0"	
AREA (Sq. Ft.)	BORDER WIDTH	30	1.5"	
BORDER RADIUS	PANEL COLOR	8"	Green	
LEGEND/BORDER COLOR	STATION(S)	White	466+89.05 (I-65)	
PANEL MATERIAL	LEGEND MATERIAL	ALUMINUM	ALUMINUM	
LEGEND MATERIAL	PANEL STYLE	ALUMINUM		
SYMBOL(S)				
ARMED	X	Y	WIDTH	HEIGHT
	42	6	18	28.4

LETTER SPACING / INFORMATION		P-4					
S- CVHwy-4-W	COPY	E	X	I	T		
L=	SPACE	21.2	29.1	39.7	44.2		
S- CVHwy-4-W	COPY	2	2				
L=	SPACE	14.9	25.2				
S-	COPY						
L=	SPACE						



SIGN LOCATION & MOUNTING INFORMATION		SIGN LOCATION & MOUNTING INFORMATION	
SIDE OF ROAD	TRAFFIC DIRECTION	SIDE OF ROAD	TRAFFIC DIRECTION
NORTHBOUND	NORTHBOUND	NORTHBOUND	NORTHBOUND
MOUNTING STYLE		MOUNTING STYLE	
ON EXISTING TRUSS		TYPE 1 SQUARE TUBE POST	
BEAM MATERIAL	BEAM SIZE	BEAM MATERIAL	BEAM SIZE
ALUMINUM	2 1/2" x 2 1/2" - 12 GA.	ALUMINUM	2 1/2" x 2 1/2" - 12 GA.
BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE	BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE
16'-6"	'LT.	16'-6"	'LT.
BEAM/POST 2 LENGTH =	'RT.	BEAM/POST 2 LENGTH =	'RT.
16'-6"	'LT.	16'-6"	'LT.
BEAM/POST 3 LENGTH =		BEAM/POST 3 LENGTH =	
CONCRETE BASE DIMENSIONS			
o = 1.5' DIA.		b = 3.5'	
		0.46 Cu. Yds.	

SIGN LOCATION & MOUNTING INFORMATION		SIGN LOCATION & MOUNTING INFORMATION	
SIDE OF ROAD	TRAFFIC DIRECTION	SIDE OF ROAD	TRAFFIC DIRECTION
NORTHBOUND	NORTHBOUND	NORTHBOUND	NORTHBOUND
MOUNTING STYLE		MOUNTING STYLE	
ON EXISTING TRUSS		TYPE 1 SQUARE TUBE POST	
BEAM MATERIAL	BEAM SIZE	BEAM MATERIAL	BEAM SIZE
ALUMINUM	2 1/2" x 2 1/2" - 12 GA.	ALUMINUM	2 1/2" x 2 1/2" - 12 GA.
BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE	BEAM/POST 1 LENGTH =	HORIZONTAL CLEARANCE
17'-1"	'LT.	17'-1"	'LT.
BEAM/POST 2 LENGTH =	'RT.	BEAM/POST 2 LENGTH =	'RT.
17'-1"	'LT.	17'-1"	'LT.
BEAM/POST 3 LENGTH =		BEAM/POST 3 LENGTH =	
CONCRETE BASE DIMENSIONS			
o = 1.5' DIA.		b = 3.5'	
		0.46 Cu. Yds.	

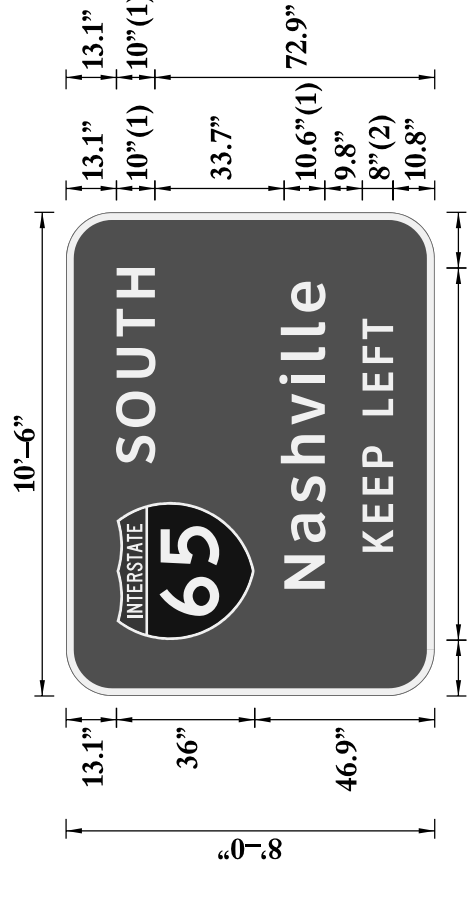


LETTER SPACING / INFORMATION		P-4					
S- CVHwy-4-W	COPY	E	X	I	T		
L=	SPACE	21.2	29.1	39.7	44.2		
S- CVHwy-4-W	COPY	2	2				
L=	SPACE	14.9	25.2				
S-	COPY						
L=	SPACE						

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GENERAL NOTES:

GENERAL SIGN INFORMATION				
SIGN NUMBER	QUANTITY	WIDTH	HEIGHT	
P-13	1	10'-6"	8'-0"	
AREA (Sq. Ft.)	84	2'	Green	
BORDER WIDTH	12"	White	58-51.78 (US 231)	
BORDER RADIUS	12"	ALUMINUM	ALUMINUM	
PANEL COLOR	Green	ALUMINUM	ALUMINUM	
LEGEND/BORDER COLOR	White			
STATIONS(S)	58-51.78 (US 231)			
PANEL MATERIAL	ALUMINUM			
LEGEND MATERIAL	ALUMINUM			
PANEL STYLE				
SYMBOL(S)	X	Y	WIDTH	HEIGHT
M-1	14.5	46.9	36	36

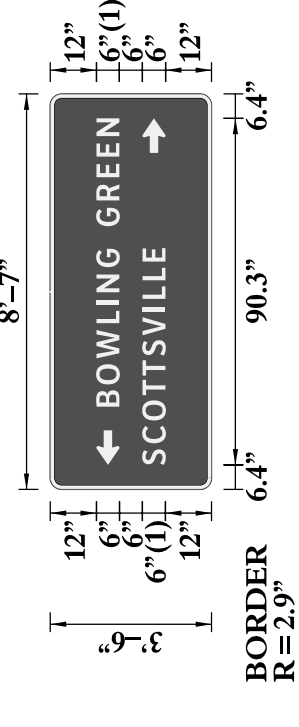


FONT:
(1) ClearviewHwy-5-W (CVHwy-5-W)
(2) ClearviewHwy-4-W (CVHwy-4-W)
Panel Style: guide_exp_interchange.ssi
M.U.T.C.D.: 2003 Edition

LETTER SPACING / INFORMATION											
S-	CVHwy-5-W	COPY	S	O	U	T	H				
L=	50.9	SPACE	60.6	70.1	82.9	93.6	103.8				
S-	CVHwy-5-W	COPY	N	O	S	H	V	I	I	Ø	
L=	80	SPACE	27.9	40.1	50.5	60.6	70.7	81.3	87.5	94	100.1
S-	CVHwy-4-W	COPY	K	E	E	P	L	E	F	T	
L=	60.8	SPACE	37.5	45.3	52.5	59.6	65.1	73.1	79.6	86.7	93

SIGN LOCATION & MOUNTING INFORMATION			
SIDE OF ROAD	TRAFFIC DIRECTION	ON ROAD	MILE POINT
LEFT	NORTHBOUND	US 231	
MOUNTING STYLE			
BEAM MATERIAL	A-36 STEEL GALVANIZED		
BEAM SIZE	W6x16		
BEAM/POST 1 LENGTH	= 17'-6"		
BEAM/POST 2 LENGTH	= 20'-0"		
BEAM/POST 3 LENGTH	= 6' L.T. 'RT.		
TYPE	'A' FIXED X		
CONCRETE BASE DIMENSIONS			
a	= 2'-6"DIA.		
b	= 7'-0"		
	2.54 Cu. Yds.		

GENERAL SIGN INFORMATION				
SIGN NUMBER	QUANTITY	WIDTH	HEIGHT	
P-14	1	8'-7"	3'-6"	
AREA (Sq. Ft.)	30	0.9"	White	
BORDER WIDTH	2.9"	White	III*80 (RAMP A)	
BORDER RADIUS	2.9"	ALUMINUM	ALUMINUM	
PANEL COLOR	White	ALUMINUM	ALUMINUM	
LEGEND/BORDER COLOR	White			
STATIONS(S)	III*80 (RAMP A)			
PANEL MATERIAL	ALUMINUM			
LEGEND MATERIAL	ALUMINUM			
PANEL STYLE				
SYMBOL(S)	X	Y	WIDTH	HEIGHT
ARUP	6.4	24	6	9
ARUP	87.6	12	6	9

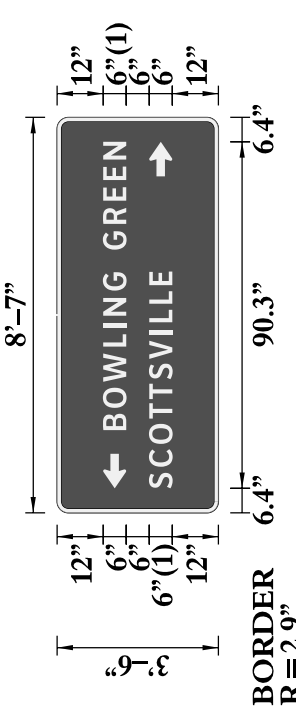


FONT:
(1) ClearviewHwy-4-W (CVHwy-4-W)
Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2003 Edition

LETTER SPACING / INFORMATION												
S-	CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L=	75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S-	CVHwy-4-W	COPY	S <td>C <td>O <td>T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td></td></td></td>	C <td>O <td>T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td></td></td>	O <td>T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td></td>	T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td>	S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td>	V <td>I <td>L <td>L <td>E</td> </td></td></td>	I <td>L <td>L <td>E</td> </td></td>	L <td>L <td>E</td> </td>	L <td>E</td>	E
L=	56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S-	CVHwy-4-W	COPY										
L=		SPACE										

SIGN LOCATION & MOUNTING INFORMATION			
SIDE OF ROAD	TRAFFIC DIRECTION	ON ROAD	MILE POINT
LEFT	EASTBOUND	RAMP A	
MOUNTING STYLE			
BEAM MATERIAL	A-36 STEEL GALVANIZED		
BEAM SIZE	W6x16		
BEAM/POST 1 LENGTH	= 14'-9"		
BEAM/POST 2 LENGTH	= 16'-6"		
BEAM/POST 3 LENGTH	= 18' L.T. 'RT.		
TYPE	'C' BREAK-A-WAY X		
CONCRETE BASE DIMENSIONS			
a	= 2'-0"DIA.		
b	= 5'-0"		
	1.16 Cu. Yds.		

GENERAL SIGN INFORMATION				
SIGN NUMBER	QUANTITY	WIDTH	HEIGHT	
P-15	1	8'-7"	3'-6"	
AREA (Sq. Ft.)	30	0.9"	White	
BORDER WIDTH	2.9"	White	III*80 (RAMP A)	
BORDER RADIUS	2.9"	ALUMINUM	ALUMINUM	
PANEL COLOR	White	ALUMINUM	ALUMINUM	
LEGEND/BORDER COLOR	White			
STATIONS(S)	III*80 (RAMP A)			
PANEL MATERIAL	ALUMINUM			
LEGEND MATERIAL	ALUMINUM			
PANEL STYLE				
SYMBOL(S)	X	Y	WIDTH	HEIGHT
ARUP	6.4	24	6	9
ARUP	87.6	12	6	9

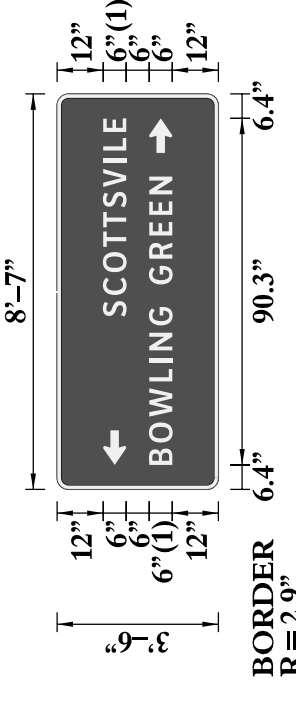


FONT:
(1) ClearviewHwy-4-W (CVHwy-4-W)
Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2003 Edition

LETTER SPACING / INFORMATION												
S-	CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L=	75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S-	CVHwy-4-W	COPY	S <td>C <td>O <td>T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td></td></td></td>	C <td>O <td>T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td></td></td>	O <td>T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td></td>	T <td>S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td></td>	S <td>V <td>I <td>L <td>L <td>E</td> </td></td></td></td>	V <td>I <td>L <td>L <td>E</td> </td></td></td>	I <td>L <td>L <td>E</td> </td></td>	L <td>L <td>E</td> </td>	L <td>E</td>	E
L=	56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S-	CVHwy-4-W	COPY										
L=		SPACE										

SIGN LOCATION & MOUNTING INFORMATION			
SIDE OF ROAD	TRAFFIC DIRECTION	ON ROAD	MILE POINT
RIGHT	EASTBOUND	RAMP A	
MOUNTING STYLE			
BEAM MATERIAL	A-36 STEEL GALVANIZED		
BEAM SIZE	W6x16		
BEAM/POST 1 LENGTH	= 14'-9"		
BEAM/POST 2 LENGTH	= 16'-6"		
BEAM/POST 3 LENGTH	= 1' L.T. 'RT.		
TYPE	'A' FIXED X		
CONCRETE BASE DIMENSIONS			
a	= 2'-6"DIA.		
b	= 5'-0"		
	1.16 Cu. Yds.		

GENERAL SIGN INFORMATION				
SIGN NUMBER	QUANTITY	WIDTH	HEIGHT	
P-16	1	8'-7"	3'-6"	
AREA (Sq. Ft.)	30	0.9"	White	
BORDER WIDTH	2.9"	White	III*80 (RAMP C)	
BORDER RADIUS	2.9"	ALUMINUM	ALUMINUM	
PANEL COLOR	White	ALUMINUM	ALUMINUM	
LEGEND/BORDER COLOR	White			
STATIONS(S)	III*80 (RAMP C)			
PANEL MATERIAL	ALUMINUM			
LEGEND MATERIAL	ALUMINUM			
PANEL STYLE				
SYMBOL(S)	X	Y	WIDTH	HEIGHT
ARUP	6.4	24	6	9
ARUP	87.6	12	6	9



FONT:
(1) ClearviewHwy-4-W (CVHwy-4-W)
Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2003 Edition

LETTER SPACING / INFORMATION												
S-	CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L=	51.6	SPACE	45	50.6	56.6	63.2	68.3	73.5	78.7	85.1	88.3	93.1
S-	CVHwy-4-W	COPY	B <td>O <td>W <td>L <td>I <td>N <td>G <td>R <td>E <td>N</td> </td></td></td></td></td></td></td></td>	O <td>W <td>L <td>I <td>N <td>G <td>R <td>E <td>N</td> </td></td></td></td></td></td></td>	W <td>L <td>I <td>N <td>G <td>R <td>E <td>N</td> </td></td></td></td></td></td>	L <td>I <td>N <td>G <td>R <td>E <td>N</td> </td></td></td></td></td>	I <td>N <td>G <td>R <td>E <td>N</td> </td></td></td></td>	N <td>G <td>R <td>E <td>N</td> </td></td></td>	G <td>R <td>E <td>N</td> </td></td>	R <td>E <td>N</td> </td>	E <td>N</td>	N
L=	75.1	SPACE	6.4	12.2	19	28.1	33	36.2	42.7	47.5	53.4	60.1
S-	CVHwy-4-W	COPY										
L=		SPACE										

SIGN LOCATION & MOUNTING INFORMATION			
SIDE OF ROAD	TRAFFIC DIRECTION	ON ROAD	MILE POINT
LEFT	NORTHBOUND	RAMP C	
MOUNTING STYLE			
BEAM MATERIAL	A-36 STEEL GALVANIZED		
BEAM SIZE	W6x16		
BEAM/POST 1 LENGTH	= 16'-1"		
BEAM/POST 2 LENGTH	= 12'-7"		
BEAM/POST 3 LENGTH	= 6' L.T. 'RT.		
TYPE	'A' FIXED X		
CONCRETE BASE DIMENSIONS			
a	= 2'-0"DIA.		
b	= 5'-0"		
	1.16 Cu. Yds.		

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GENERAL NOTES:

GENERAL SIGN INFORMATION

SIGN NUMBER	P-14
QUANTITY	1
WIDTH	8'-7"
HEIGHT	3'-6"
AREA (Sq. Ft.)	30
BORDER WIDTH	0.9"
BORDER RADIUS	2.9"
PANEL COLOR	White
LEGEND/BORDER COLOR	White
STATION(S)	11+80 (RAMP A)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

GENERAL SIGN INFORMATION

SIGN NUMBER	P-13
QUANTITY	1
WIDTH	10'-6"
HEIGHT	8'-0"
AREA (Sq. Ft.)	84
BORDER WIDTH	2"
BORDER RADIUS	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White
STATION(S)	58+51.78 (US 231)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	

LETTER SPACING / INFORMATION

S- CVHwy-5-W	COPY	S	O	U	T	H			
L= 90.9	SPACE	60.6	70.1	82.9	93.6	103.8			
S- CVHwy-5-W	COPY	N	O	S	H	V	I	I	E
L= 80	SPACE	27.9	40.1	50.5	60.6	70.7	81.3	87.5	94
S- CVHwy-4-W	COPY	K	E	E	P	L	E	F	T
L= 60.8	SPACE	37.5	45.3	52.5	59.6	65.1	73.1	79.6	86.7
S- CVHwy-4-W	COPY								
L=	SPACE								
S- CVHwy-4-W	COPY								
L=	SPACE								
S- CVHwy-4-W	COPY								
L=	SPACE								

LETTER SPACING / INFORMATION

S- CVHwy-5-W	COPY	S	O	U	T	H			
L= 90.9	SPACE	60.6	70.1	82.9	93.6	103.8			
S- CVHwy-5-W	COPY	N	O	S	H	V	I	I	E
L= 80	SPACE	27.9	40.1	50.5	60.6	70.7	81.3	87.5	94
S- CVHwy-4-W	COPY	K	E	E	P	L	E	F	T
L= 60.8	SPACE	37.5	45.3	52.5	59.6	65.1	73.1	79.6	86.7
S- CVHwy-4-W	COPY								
L=	SPACE								
S- CVHwy-4-W	COPY								
L=	SPACE								
S- CVHwy-4-W	COPY								
L=	SPACE								

GENERAL SIGN INFORMATION

SIGN NUMBER	P-15
QUANTITY	1
WIDTH	8'-7"
HEIGHT	3'-6"
AREA (Sq. Ft.)	30
BORDER WIDTH	0.9"
BORDER RADIUS	2.9"
PANEL COLOR	White
LEGEND/BORDER COLOR	White
STATION(S)	11+80 (RAMP A)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

GENERAL SIGN INFORMATION

SIGN NUMBER	P-16
QUANTITY	1
WIDTH	8'-7"
HEIGHT	3'-6"
AREA (Sq. Ft.)	30
BORDER WIDTH	0.9"
BORDER RADIUS	2.9"
PANEL COLOR	White
LEGEND/BORDER COLOR	White
STATION(S)	310+50 (RAMP C)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 51.6	SPACE	45	50.6	56.6	63.2	68.3	73.5	78.7	85.1	88.3	93.1
S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	6.4	12.2	19	28.1	33	36.2	42.7	47.5	53.4	60.1
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

GENERAL SIGN INFORMATION

SIGN NUMBER	P-14
QUANTITY	1
WIDTH	8'-7"
HEIGHT	3'-6"
AREA (Sq. Ft.)	30
BORDER WIDTH	0.9"
BORDER RADIUS	2.9"
PANEL COLOR	White
LEGEND/BORDER COLOR	White
STATION(S)	11+80 (RAMP A)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										



FONT: (1) ClearviewHwy-4-W (CVHwy-4-W)
Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2003 Edition

GENERAL SIGN INFORMATION

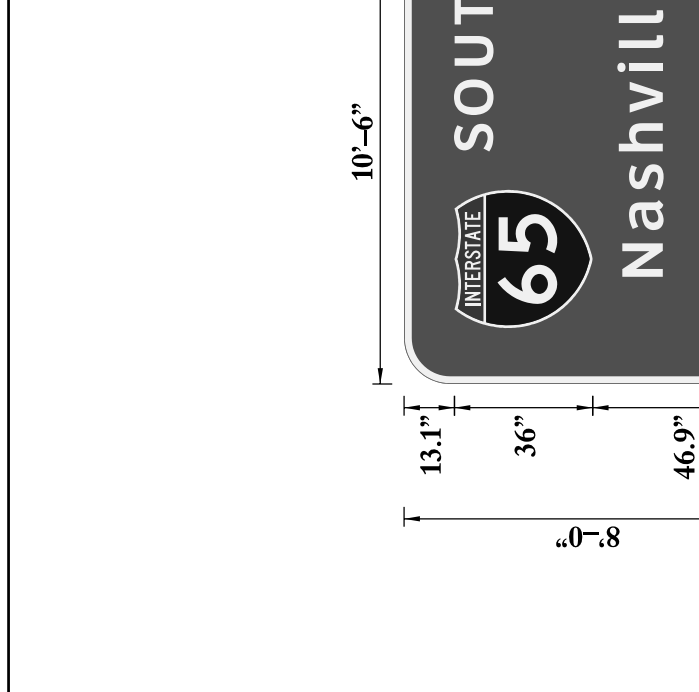
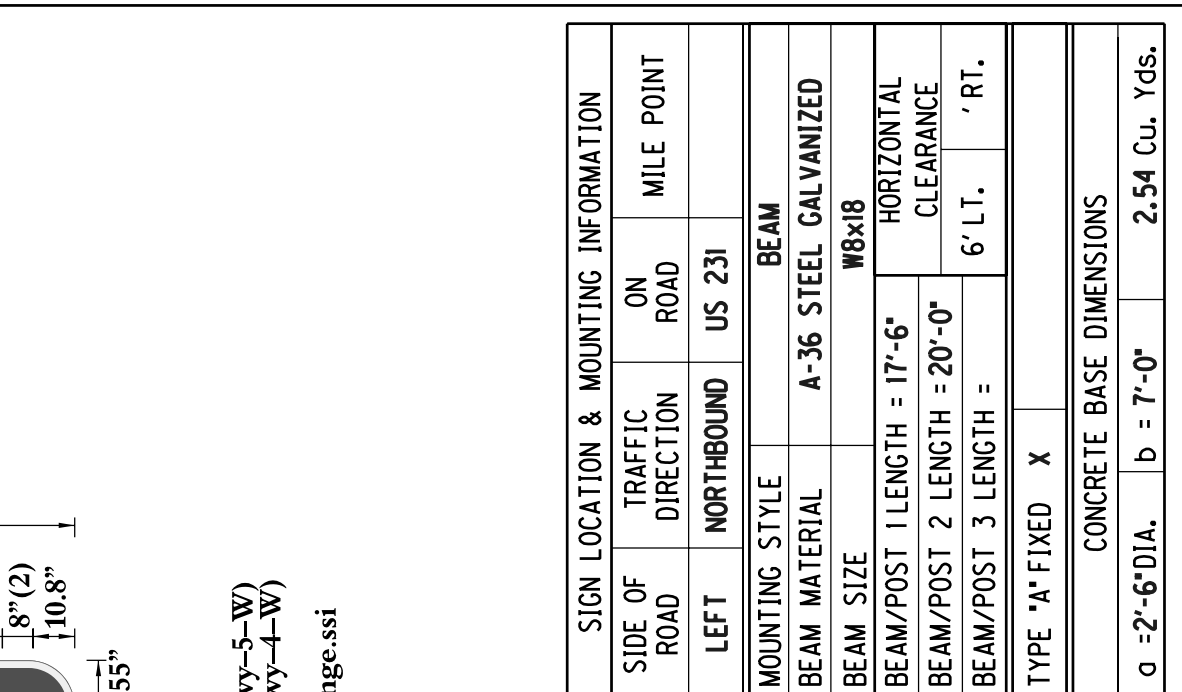
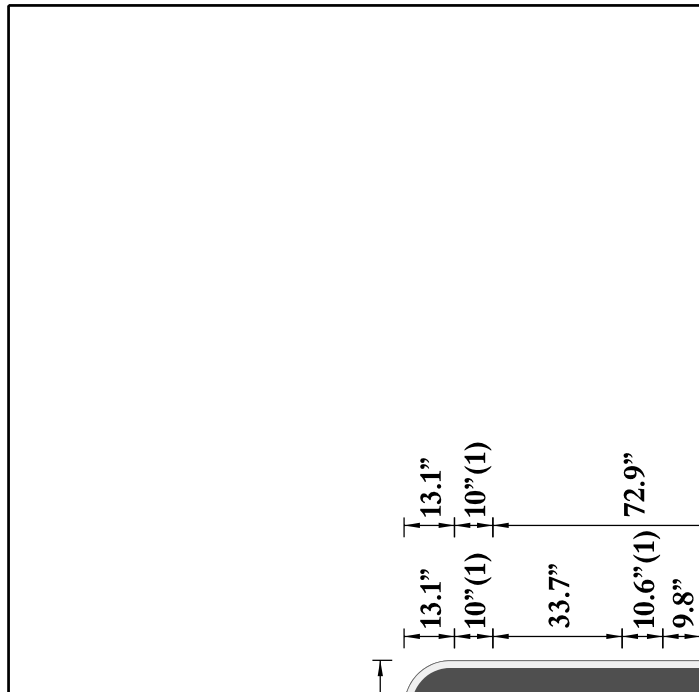
SIGN NUMBER	P-16
QUANTITY	1
WIDTH	8'-7"
HEIGHT	3'-6"
AREA (Sq. Ft.)	30
BORDER WIDTH	0.9"
BORDER RADIUS	2.9"
PANEL COLOR	White
LEGEND/BORDER COLOR	White
STATION(S)	310+50 (RAMP C)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 51.6	SPACE	45	50.6	56.6	63.2	68.3	73.5	78.7	85.1	88.3	93.1
S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	6.4	12.2	19	28.1	33	36.2	42.7	47.5	53.4	60.1
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										

LETTER SPACING / INFORMATION

S- CVHwy-4-W	COPY	B	O	W	L	I	N	G	R	E	N
L= 75.1	SPACE	21.5	27.3	34.1	43.3	48.1	51.4	57.9	62.7	68.6	75.3
S- CVHwy-4-W	COPY	S	C	O	T	S	V	I	L	L	E
L= 56.5	SPACE	6.4	12	17.9	24.5	29.6	34.8	40.1	46.4	49.6	54.5
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										
S- CVHwy-4-W	COPY										
L=	SPACE										



REVISID 10-17-2011

GENERAL NOTES:

GENERAL SIGN INFORMATION	
SIGN NUMBER	P-18
QUANTITY	1
WIDTH	19'-6"
HEIGHT	11'-0"
AREA (Sq. Ft.)	234
BORDER WIDTH	2"
BORDER RADIUS	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White
STATION(S)	395+90.14 (1-65)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	guide_exp_advance_a.ssi
SYMBOL(S)	X Y WIDTH HEIGHT
M1.4	94.5 79.9 45 36

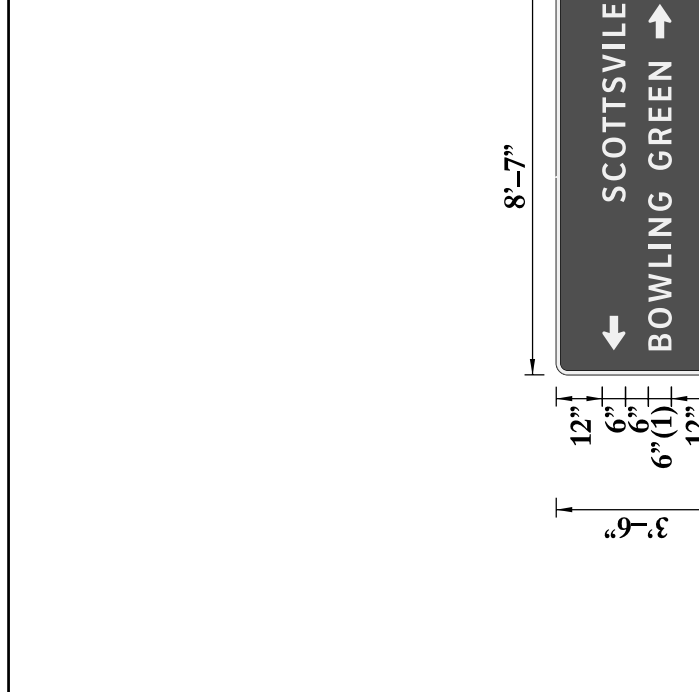
LETTER SPACING / INFORMATION	
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L-: 67.2	SPACE 12.4 20.4 30.9 35.4 57.1 70
S-: CVHwy-5-W	COPY B O W I J N G R E
L-: 196.4	SPACE 18.8 35.7 51.7 74.4 83.9 93.4 109.8 121.5 139.8 152.2 170.5 187 204.2
S-: CVHwy-4-W	COPY 3/4 M J L E
L-: 73.6	SPACE 80.2 116.1 130.6 137.1 146.8
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY E X I T 2 2
L-: 67.2	SPACE 12.4 20.4 30.9 35.4 57.1 70
S-: CVHwy-5-W	COPY B O W I J N G R E
L-: 196.4	SPACE 18.8 35.7 51.7 74.4 83.9 93.4 109.8 121.5 139.8 152.2 170.5 187 204.2
S-: CVHwy-4-W	COPY 3/4 M J L E
L-: 73.6	SPACE 80.2 116.1 130.6 137.1 146.8
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE

GENERAL SIGN INFORMATION	
SIGN NUMBER	P-17
QUANTITY	1
WIDTH	8'-7"
HEIGHT	3'-6"
AREA (Sq. Ft.)	30
BORDER WIDTH	0.9"
BORDER RADIUS	2.5"
PANEL COLOR	White
LEGEND/BORDER COLOR	White
STATION(S)	310+50 (RAMP C)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	
SYMBOL(S)	X Y WIDTH HEIGHT
ARUP	6.4 24 6 9
ARUP	87.6 12 6 9

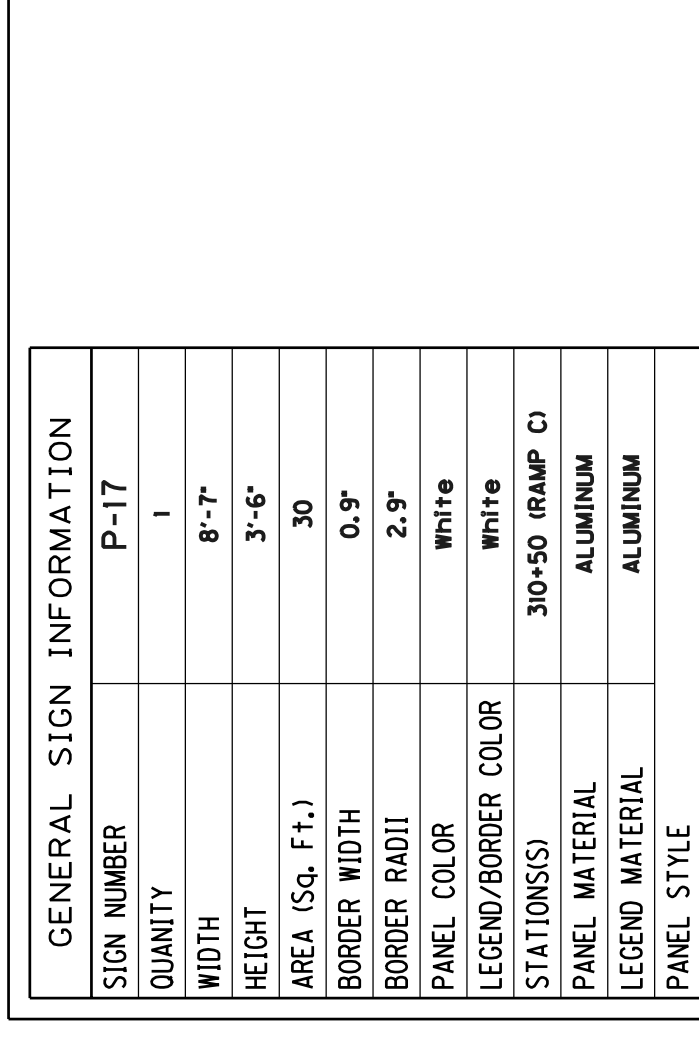
LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S C O T T S V I L E
L-: 91.6	SPACE 45 50.6 56.6 63.2 68.3 73.5 78.7 85.1 88.3 93.1
S-: CVHwy-4-W	COPY B O W L I N G G R E E N
L-: 75.1	SPACE 6.4 12.2 19 28.1 33 36.2 42.7 47.5 53.4 60.1 66.1 71.5 76.9
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S C O T T S V I L E
L-: 91.6	SPACE 45 50.6 56.6 63.2 68.3 73.5 78.7 85.1 88.3 93.1
S-: CVHwy-4-W	COPY B O W L I N G G R E E N
L-: 75.1	SPACE 6.4 12.2 19 28.1 33 36.2 42.7 47.5 53.4 60.1 66.1 71.5 76.9
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE



LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S C O T T S V I L E
L-: 91.6	SPACE 45 50.6 56.6 63.2 68.3 73.5 78.7 85.1 88.3 93.1
S-: CVHwy-4-W	COPY B O W L I N G G R E E N
L-: 75.1	SPACE 6.4 12.2 19 28.1 33 36.2 42.7 47.5 53.4 60.1 66.1 71.5 76.9
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S C O T T S V I L E
L-: 91.6	SPACE 45 50.6 56.6 63.2 68.3 73.5 78.7 85.1 88.3 93.1
S-: CVHwy-4-W	COPY B O W L I N G G R E E N
L-: 75.1	SPACE 6.4 12.2 19 28.1 33 36.2 42.7 47.5 53.4 60.1 66.1 71.5 76.9
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE



LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY E X I T 2 2
L-: 67.2	SPACE 12.4 20.4 30.9 35.4 57.1 70
S-: CVHwy-5-W	COPY B O W I J N G R E
L-: 196.4	SPACE 18.8 35.7 51.7 74.4 83.9 93.4 109.8 121.5 139.8 152.2 170.5 187 204.2
S-: CVHwy-4-W	COPY 3/4 M J L E
L-: 73.6	SPACE 80.2 116.1 130.6 137.1 146.8
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY E X I T 2 2
L-: 67.2	SPACE 12.4 20.4 30.9 35.4 57.1 70
S-: CVHwy-5-W	COPY B O W I J N G R E
L-: 196.4	SPACE 18.8 35.7 51.7 74.4 83.9 93.4 109.8 121.5 139.8 152.2 170.5 187 204.2
S-: CVHwy-4-W	COPY 3/4 M J L E
L-: 73.6	SPACE 80.2 116.1 130.6 137.1 146.8
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE
S-:	COPY
L-:	SPACE

GENERAL SIGN INFORMATION	
SIGN NUMBER	P-19
QUANTITY	1
WIDTH	43'-0"
HEIGHT	15'-10"
AREA (Sq. Ft.)	700
BORDER WIDTH	2"
BORDER RADIUS	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White
STATION(S)	(1-65)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	guide_fw_overhead.ssi
SYMBOL(S)	X Y WIDTH HEIGHT
M1.1	133.7 127.9 36 36
M1.4	375.1 125.8 45 36
ARLONG	20.4 7.9 22.3 65
ARLONG	140.4 7.9 22.3 65
ARLONG	256.8 7.9 22.3 65
AR45R3	267.8 7.9 36.5 47.1
AR45R3	387.8 7.9 36.5 47.1

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470



LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T
L-: 36.7	SPACE 337 347.7 360.5 364.7
S-: E 2000	COPY O N L Y
L-: 47.9	SPACE 434.3 447.2 460 470

LETTER SPACING / INFORMATION	
S-: CVHwy-4-W	COPY S O U T H N A S H V I L L E
L-: 59.4	SPACE 186.6 200.7 213.5 225.3 236.3
S-: CVHwy-5-W	COPY N O R T H W A Y
L-: 120.7	SPACE 90.1 106.5 124.2 139.5 154.7 170.7 180.1 189.9 195.1
S-: CVHwy-5-W	COPY B O W L I N G G R E E N
L-: 196.4	SPACE 299.2 316.1 332.1 354.8 364.3 373.8 390.2 401.9 420.2 439.6 450.9 467.4 484.6
S-: CVHwy-4-W	COPY 2 M J L E S
L-: 62.2	SPACE 366.3 385.9 397.9 402.3 411.5 420.4
S-: E 2000	COPY E X I T

REVISD 10-17-2011

GENERAL NOTES:

GENERAL SIGN INFORMATION

SIGN NUMBER	P-18
QUANTITY	1
WIDTH	19'-6"
HEIGHT	11'-0"
AREA (Sq. Ft.)	234
BORDER WIDTH	2"
BORDER RADIUS	12"
PANEL COLOR	Green
LEGEND/BORDER COLOR	White
STATION(S)	395+90.14 (I-65)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	guide_exp_advance_a.ssi
SYMBOL(S)	X Y WIDTH HEIGHT
M1.4	94.5 79.9 45 36

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	18.8	35.7	51.7	74.4	83.9	93.4
S-	CVHwy-4-W	COPY	3/4	M	I	L	E	
L-	75.6	SPACE	80.2	116.1	130.6	137.1	146.8	

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	18.8	35.7	51.7	74.4	83.9	93.4
S-	CVHwy-4-W	COPY	3/4	M	I	L	E	
L-	75.6	SPACE	80.2	116.1	130.6	137.1	146.8	

GENERAL SIGN INFORMATION

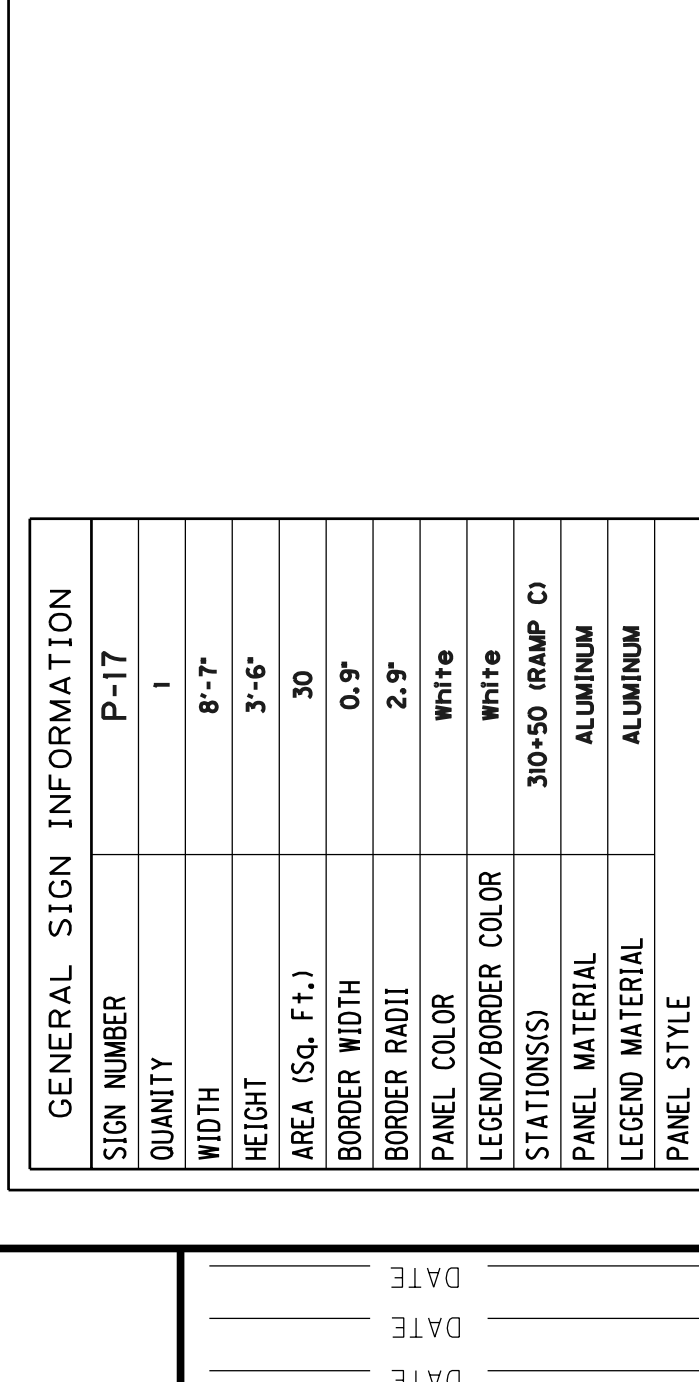
SIGN NUMBER	P-17
QUANTITY	1
WIDTH	8'-7"
HEIGHT	3'-6"
AREA (Sq. Ft.)	30
BORDER WIDTH	0.9"
BORDER RADIUS	2.5"
PANEL COLOR	White
LEGEND/BORDER COLOR	White
STATION(S)	310+50 (RAMP C)
PANEL MATERIAL	ALUMINUM
LEGEND MATERIAL	ALUMINUM
PANEL STYLE	
SYMBOL(S)	X Y WIDTH HEIGHT
ARUP	6.4 24 6 9
ARUP	87.6 12 6 9

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	S	C	O	T	T	S	V	I	L	E
L-	91.6	SPACE	45	50.6	56.6	63.2	68.3	73.5	78.7	85.1	88.3	93.1
S-	CVHwy-4-W	COPY	B	O	W	L	I	N	G	E	N	
L-	75.1	SPACE	6.4	12.2	19	28.1	33	36.2	42.7	47.5	53.4	60.1
S-		COPY										
L-		SPACE										

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	S	C	O	T	T	S	V	I	L	E
L-	91.6	SPACE	45	50.6	56.6	63.2	68.3	73.5	78.7	85.1	88.3	93.1
S-	CVHwy-4-W	COPY	B	O	W	L	I	N	G	E	N	
L-	75.1	SPACE	6.4	12.2	19	28.1	33	36.2	42.7	47.5	53.4	60.1
S-		COPY										
L-		SPACE										

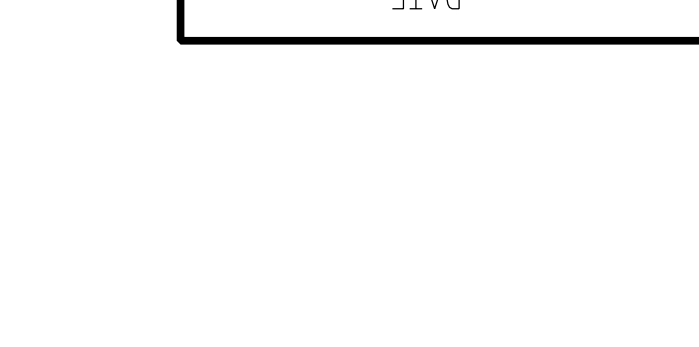


LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	S	C	O	T	T	S	V	I	L	E
L-	91.6	SPACE	45	50.6	56.6	63.2	68.3	73.5	78.7	85.1	88.3	93.1
S-	CVHwy-4-W	COPY	B	O	W	L	I	N	G	E	N	
L-	75.1	SPACE	6.4	12.2	19	28.1	33	36.2	42.7	47.5	53.4	60.1
S-		COPY										
L-		SPACE										

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	S	C	O	T	T	S	V	I	L	E
L-	91.6	SPACE	45	50.6	56.6	63.2	68.3	73.5	78.7	85.1	88.3	93.1
S-	CVHwy-4-W	COPY	B	O	W	L	I	N	G	E	N	
L-	75.1	SPACE	6.4	12.2	19	28.1	33	36.2	42.7	47.5	53.4	60.1
S-		COPY										
L-		SPACE										



LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	18.8	35.7	51.7	74.4	83.9	93.4
S-	CVHwy-4-W	COPY	3/4	M	I	L	E	
L-	75.6	SPACE	80.2	116.1	130.6	137.1	146.8	

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	18.8	35.7	51.7	74.4	83.9	93.4
S-	CVHwy-4-W	COPY	3/4	M	I	L	E	
L-	75.6	SPACE	80.2	116.1	130.6	137.1	146.8	

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-4-W	COPY	S	O	U	T	H	
L-	59.4	SPACE	186.6	200.7	213.5	225.3	236.3	
S-	CVHwy-5-W	COPY	N	O	S	H	I	E
L-	120.7	SPACE	90.1	106.5	124.2	139.5	154.7	
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	299.2	316.1	332.1	354.8	364.3	
S-	CVHwy-4-W	COPY	2	M	I	L	E	
L-	62.2	SPACE	366.3	385.9	397.9	402.3	411.5	
S-	E 2000	COPY	E	X	I	T		
L-	36.7	SPACE	337	347.7	360.5	364.7		
S-	E 2000	COPY	O	N	L	Y		
L-	47.9	SPACE	434.3	447.2	460	470		

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-4-W	COPY	S	O	U	T	H	
L-	59.4	SPACE	186.6	200.7	213.5	225.3	236.3	
S-	CVHwy-5-W	COPY	N	O	S	H	I	E
L-	120.7	SPACE	90.1	106.5	124.2	139.5	154.7	
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	299.2	316.1	332.1	354.8	364.3	
S-	CVHwy-4-W	COPY	2	M	I	L	E	
L-	62.2	SPACE	366.3	385.9	397.9	402.3	411.5	
S-	E 2000	COPY	E	X	I	T		
L-	36.7	SPACE	337	347.7	360.5	364.7		
S-	E 2000	COPY	O	N	L	Y		
L-	47.9	SPACE	434.3	447.2	460	470		

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-4-W	COPY	S	O	U	T	H	
L-	59.4	SPACE	186.6	200.7	213.5	225.3	236.3	
S-	CVHwy-5-W	COPY	N	O	S	H	I	E
L-	120.7	SPACE	90.1	106.5	124.2	139.5	154.7	
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	299.2	316.1	332.1	354.8	364.3	
S-	CVHwy-4-W	COPY	2	M	I	L	E	
L-	62.2	SPACE	366.3	385.9	397.9	402.3	411.5	
S-	E 2000	COPY	E	X	I	T		
L-	36.7	SPACE	337	347.7	360.5	364.7		
S-	E 2000	COPY	O	N	L	Y		
L-	47.9	SPACE	434.3	447.2	460	470		

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-4-W	COPY	S	O	U	T	H	
L-	59.4	SPACE	186.6	200.7	213.5	225.3	236.3	
S-	CVHwy-5-W	COPY	N	O	S	H	I	E
L-	120.7	SPACE	90.1	106.5	124.2	139.5	154.7	
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	299.2	316.1	332.1	354.8	364.3	
S-	CVHwy-4-W	COPY	2	M	I	L	E	
L-	62.2	SPACE	366.3	385.9	397.9	402.3	411.5	
S-	E 2000	COPY	E	X	I	T		
L-	36.7	SPACE	337	347.7	360.5	364.7		
S-	E 2000	COPY	O	N	L	Y		
L-	47.9	SPACE	434.3	447.2	460	470		

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-4-W	COPY	S	O	U	T	H	
L-	59.4	SPACE	186.6	200.7	213.5	225.3	236.3	
S-	CVHwy-5-W	COPY	N	O	S	H	I	E
L-	120.7	SPACE	90.1	106.5	124.2	139.5	154.7	
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	299.2	316.1	332.1	354.8	364.3	
S-	CVHwy-4-W	COPY	2	M	I	L	E	
L-	62.2	SPACE	366.3	385.9	397.9	402.3	411.5	
S-	E 2000	COPY	E	X	I	T		
L-	36.7	SPACE	337	347.7	360.5	364.7		
S-	E 2000	COPY	O	N	L	Y		
L-	47.9	SPACE	434.3	447.2	460	470		

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-4-W	COPY	S	O	U	T	H	
L-	59.4	SPACE	186.6	200.7	213.5	225.3	236.3	
S-	CVHwy-5-W	COPY	N	O	S	H	I	E
L-	120.7	SPACE	90.1	106.5	124.2	139.5	154.7	
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	299.2	316.1	332.1	354.8	364.3	
S-	CVHwy-4-W	COPY	2	M	I	L	E	
L-	62.2	SPACE	366.3	385.9	397.9	402.3	411.5	
S-	E 2000	COPY	E	X	I	T		
L-	36.7	SPACE	337	347.7	360.5	364.7		
S-	E 2000	COPY	O	N	L	Y		
L-	47.9	SPACE	434.3	447.2	460	470		

LETTER SPACING / INFORMATION

S-	CVHwy-4-W	COPY	E	X	I	T	2	2
L-	67.2	SPACE	12.4	20.4	30.9	35.4	57.1	70
S-	CVHwy-4-W	COPY	S	O	U	T	H	
L-	59.4	SPACE	186.6	200.7	213.5	225.3	236.3	
S-	CVHwy-5-W	COPY	N	O	S	H	I	E
L-	120.7	SPACE	90.1	106.5	124.2	139.5	154.7	
S-	CVHwy-5-W	COPY	B	O	W	I	N	O
L-	196.4	SPACE	299.2	316.1	332.1	354.8	364.3	
S-	CVHwy-4-W	COPY	2	M	I	L	E	
L-	62.2	SPACE	366.3	385.9	397.9	402.3	411.5	
S-	E 2000	COPY	E	X	I	T		
L-	36.7	SPACE	337	347.7	3			

GENERAL NOTES

75'-105' ALUMINUM OVERHEAD SIGN SUPPORT

SPECIFICATIONS: All References to the Standard Specifications are to the Current Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All References to the AASHTO Specifications are to the 2002 Edition of the AASHTO Standard Specifications for Highway Bridges.

DESIGN: Designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals published by AASHTO, 2000 with wind velocity to 80 MPH.

SUPERELEVATION OF ROADWAY: The Contractor shall allow for differences in elevations across the full shoulder width as shown on the Roadway Plans in maintaining the required 18 foot minimum vertical clearance to the bottom of the lowest part of the sign or support. Sign shall to be centered over the lane or lanes to which it applies unless shown otherwise.

CONCRETE: Class "A" Concrete is to be used throughout.

BEVELED EDGES: All exposed concrete edges are to be beveled $\frac{3}{4}$ " unless otherwise shown.

REINFORCEMENT: Dimensions from face of concrete to bars are clear except as otherwise shown. Dimensions for bar spacings are distances center to center of bars.

SHOP DRAWINGS: The contractor shall submit detailed Shop Drawings to the Division of Construction for review prior to fabrication in accordance with the specifications.

FABRICATION: The aluminum sign support shall be fabricated in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished to the Department of Highways stating that the materials used conform to the specifications.

FOOTINGS: All footings shall be poured against undisturbed earth and are to transfer no more than 1 1/2 Tons Per Square Foot Bearing Pressure to the soil under any design loading conditions.

VERTICAL DIMENSIONS: Vertical Dimensions HR and HL shall not exceed 27 feet and the combined Dimensions (HR + FR) or (HL + FL) shall not exceed 36 feet.

MATERIAL SPECIFICATIONS: The following ASTM designations shall govern all materials used.

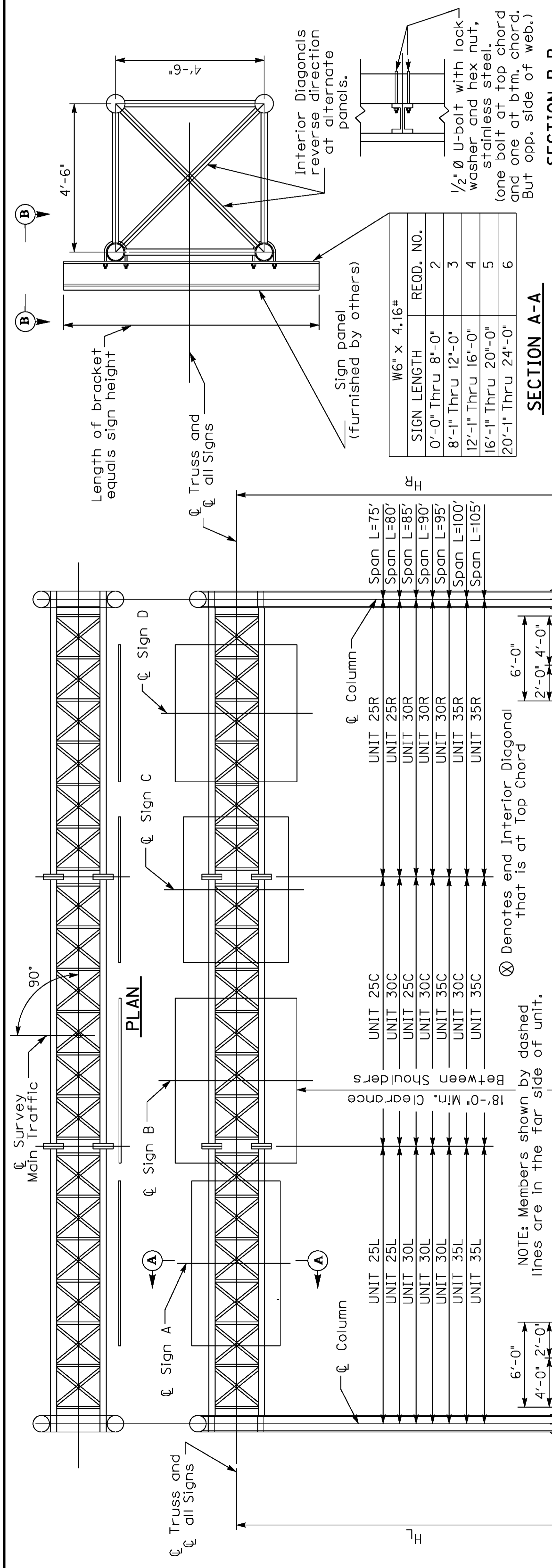
ASTM	MATERIAL
B221-08	Extruded Tube, Aluminum Alloy 6061-T6511
B241-02	Pipe, Aluminum 6061-T6
B308-02	Structural Shapes, Aluminum Alloy 6061-T6
B221-08	Extruded Bar, Rod and Shapes, Aluminum Alloy 6061-6511
B209-07	Sheet and Plate, Aluminum Alloy 6061-T651
A320-08	Stainless Steel Hardware, Nuts, Bolts, Washers and Screws
B766-86	Class 12, Cadmium Coating for ASTM A36 Anchor Bolts, Nuts and Washers
B26-05	Sand Mold Casting, Aluminum Alloy 356.0-T6
BI08-08	Permanent Mold Casting, Aluminum Alloy 356.0-T6

ROADWAY CROSS SECTION: The Contractor shall take field measurements at each Sign location and develop a cross section showing the Sign Footing Heights and elevations, Sign Clearance above the Roadway and Column Heights. These cross sections shall be submitted to the Engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Section". A copy of these cross sections shall also accompany the Shop Drawings.

DATE:	Oct, 2011	CHECKED BY
DESIGNED BY:	Standard Sheet	E. Kilgore
DETAILED BY:		
Commonwealth of Kentucky		
DEPARTMENT OF HIGHWAYS		
<small>COUNTY</small>		
WARREN		
<small>ROUTE</small>	<small>ITEM NUMBER</small>	
I-65	3-17.00	
75'-105' OVERHEAD SIGN SUPPORT		
<small>PREPARED BY</small>		<small>SHEET NO.</small>
Division of Structural Design		T95
		<small>DRAWING NO.</small>

Support No.	STATION	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HR	FL	FR	FR
1	474+00	100'	24'	22'	10'	10.5'	
Support No.	SIGN A	SIGN B					
		No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area
1	P-5	43'-0"	15'-10"	700*			
Support No.	STATION	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HR	FL	FR	FR
Support No.	SIGN A	SIGN B					
		No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area

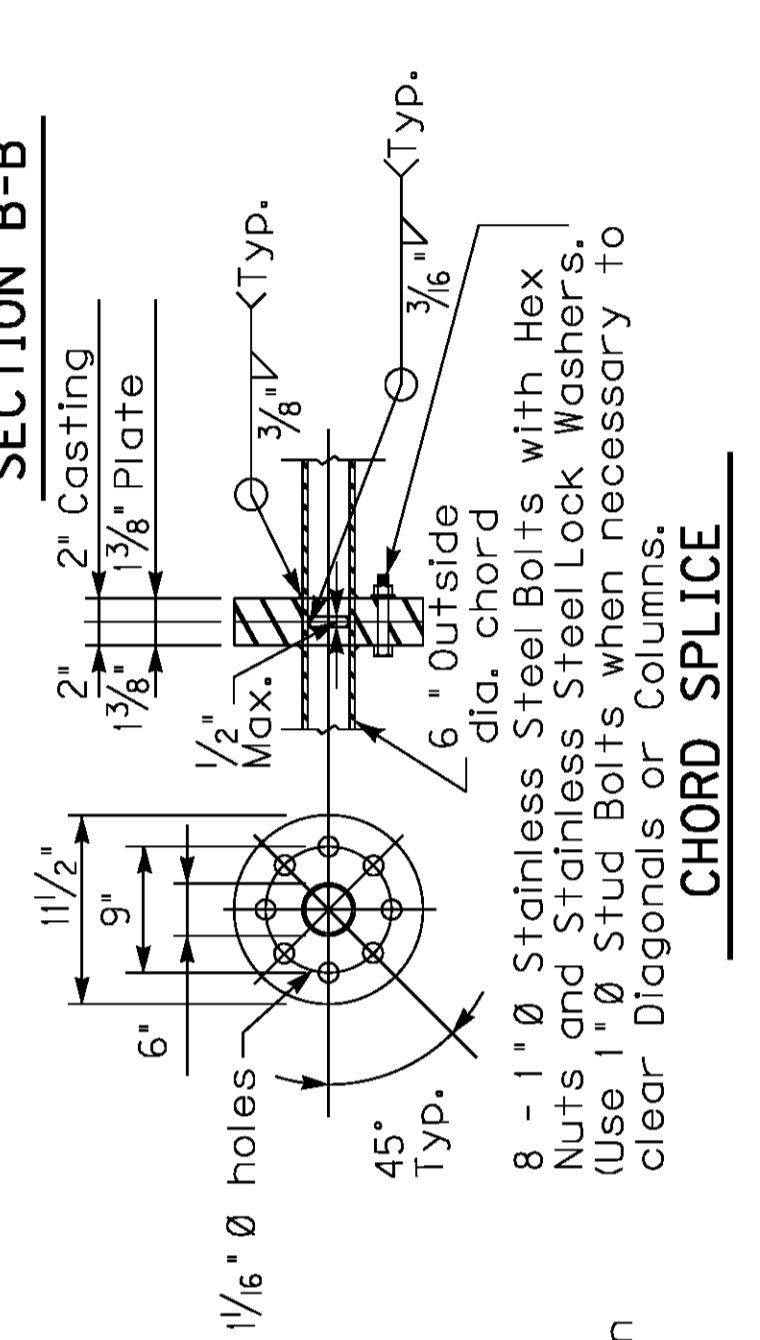
* Total Area includes Exit Number Signs that are not shown.



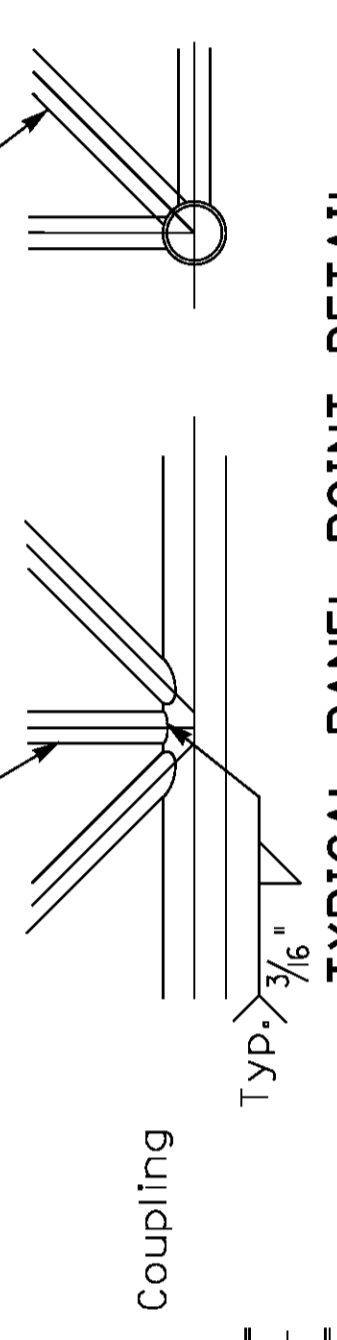
SIGN LENGTH	REQD. NO.
0'-0" Thru 8'-0"	2
8'-1" Thru 12'-0"	3
12'-1" Thru 16'-0"	4
16'-1" Thru 20'-0"	5
20'-1" Thru 24'-0"	6

SECTION A-A

SECTION B-B

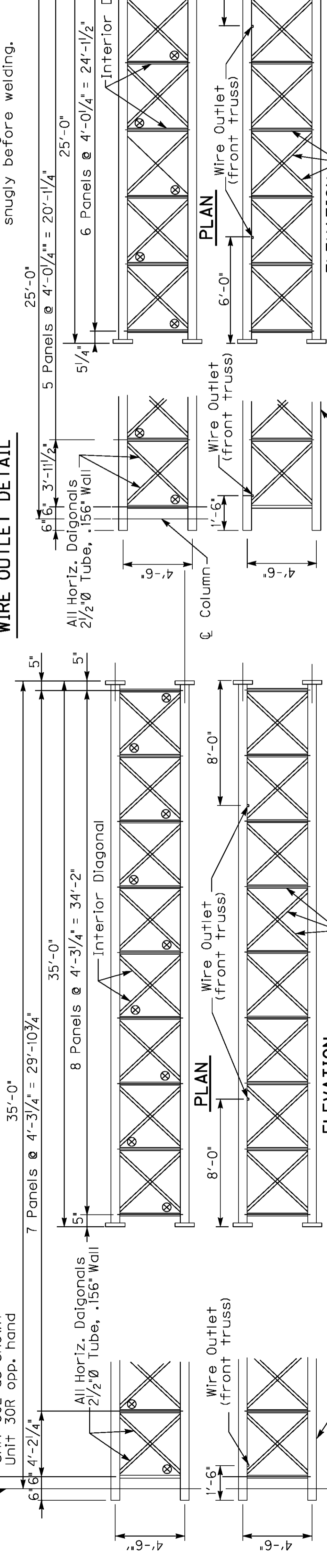


TYPICAL PANEL POINT DETAIL

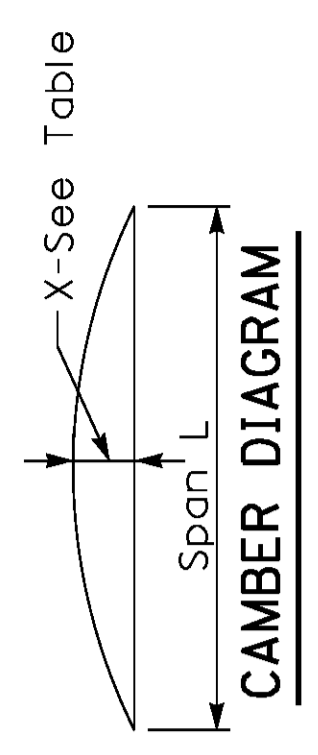


CHORD END DETAIL

WIRE OUTLET DETAIL



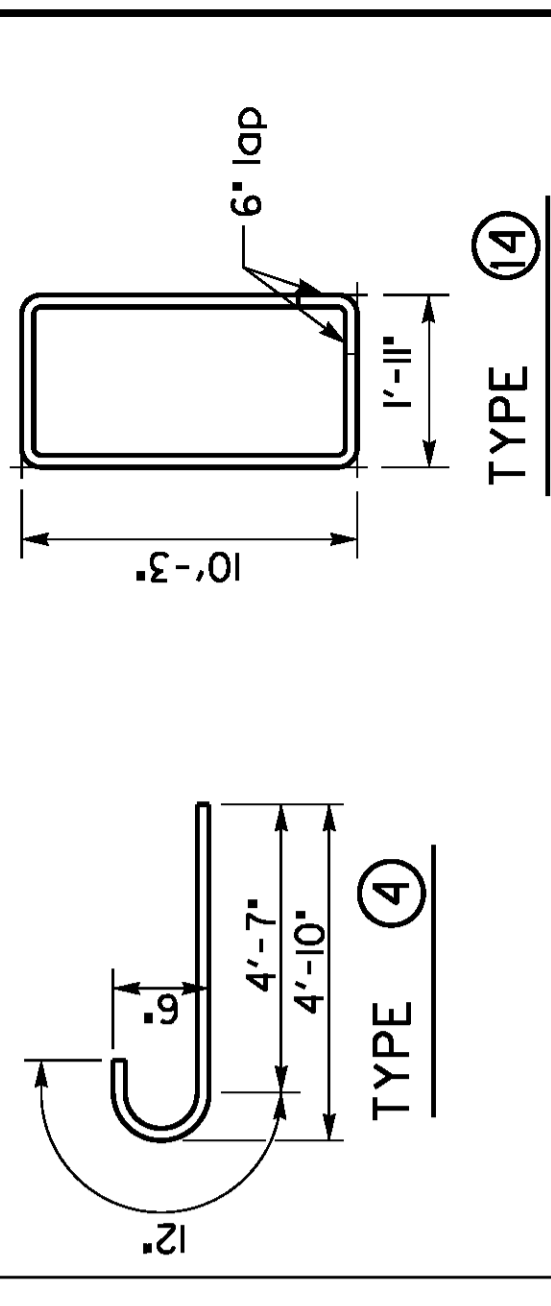
L	X
75	2 1/4"
80	2 1/2"
85	2 3/4"
90	3"
95	3 1/4"
100	3 1/2"
105	3 3/4"



DATE: Oct, 2011
 DESIGNED BY: Standard Sheet E. Kilgore
 CHECKED BY:
 DETAILED BY:
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY: **WARREN**
 ROUTE: **I-65**
 ITEM NUMBER: **3-17.00**
75'-105' OVERHEAD SIGN SUPPORT
 PREPARED BY:
Division of Structural Design
 SHEET NO. **T96**
 DRAWING NO.

BILL OF REINFORCEMENT FOR FOOTING

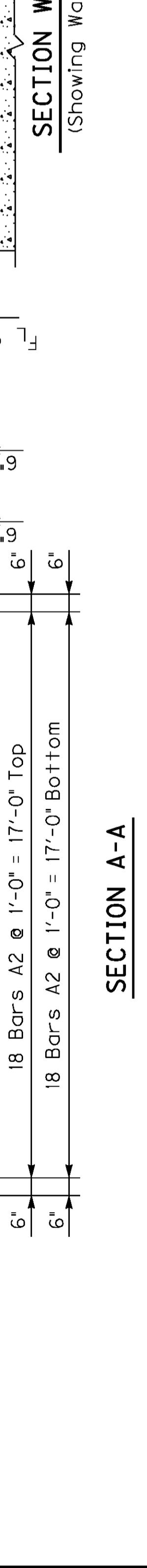
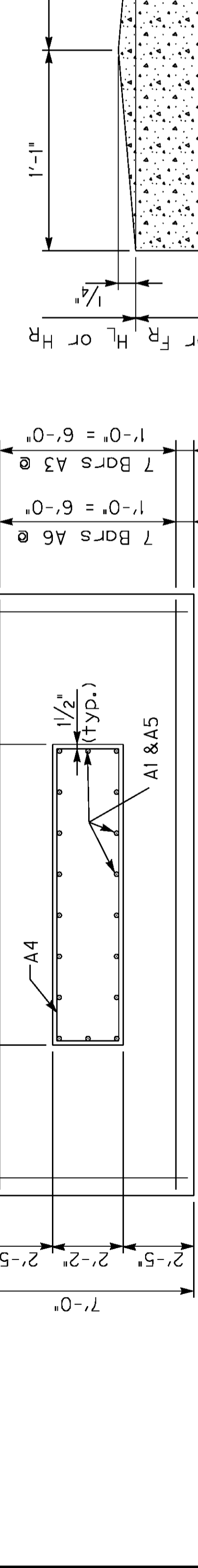
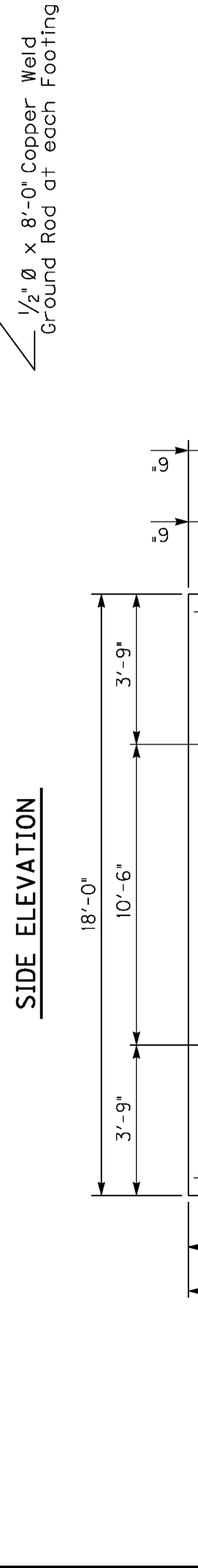
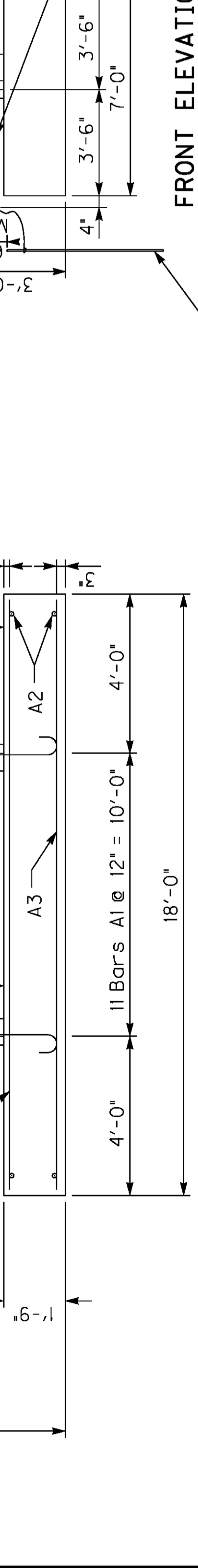
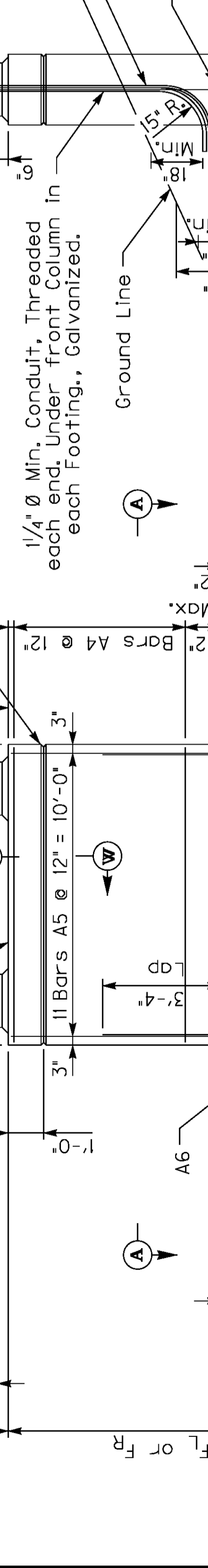
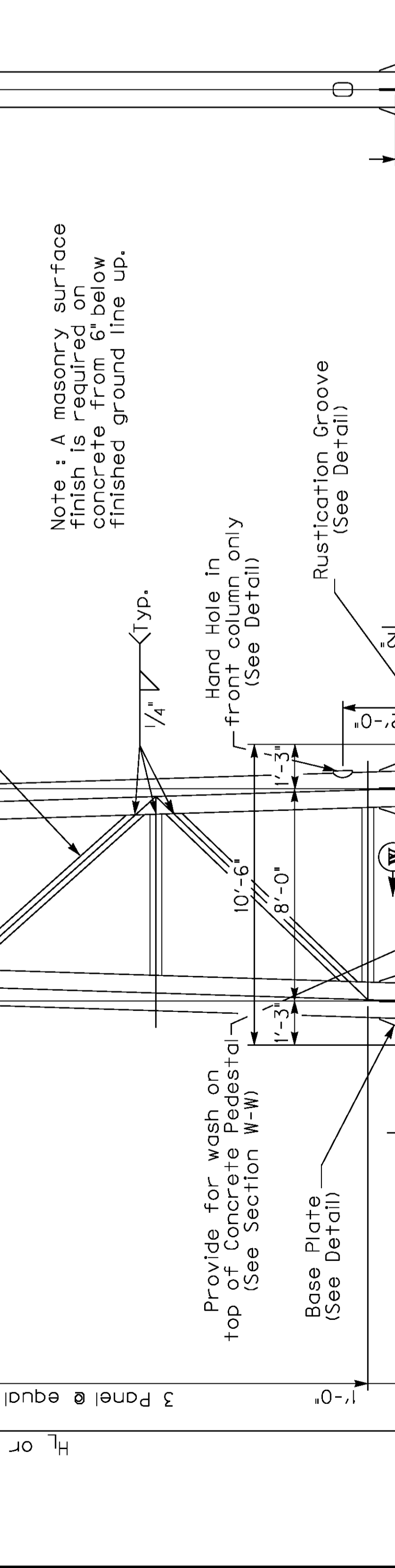
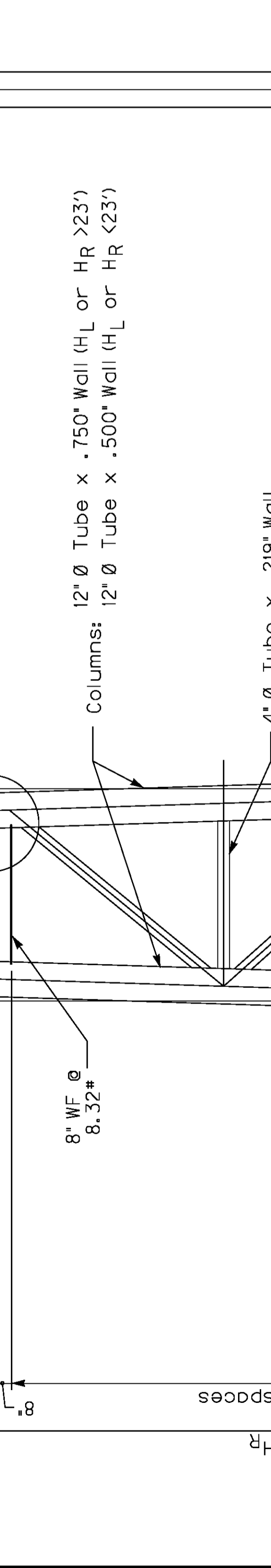
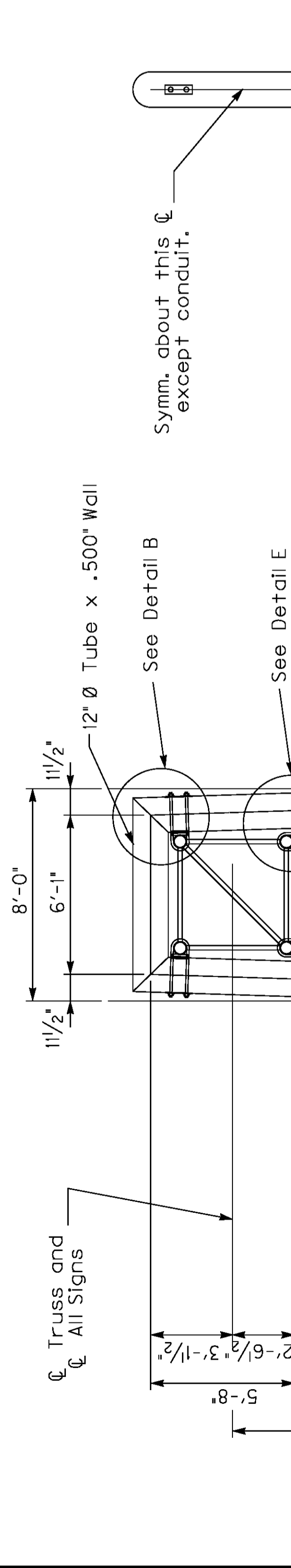
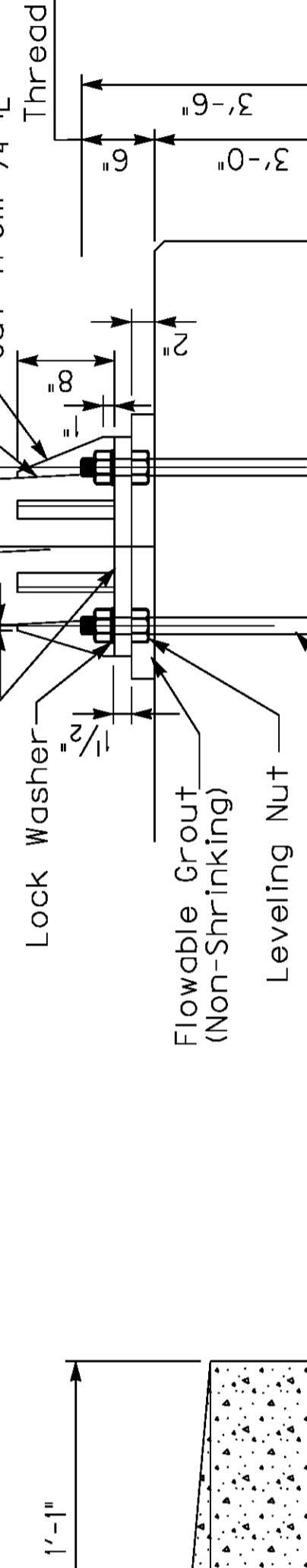
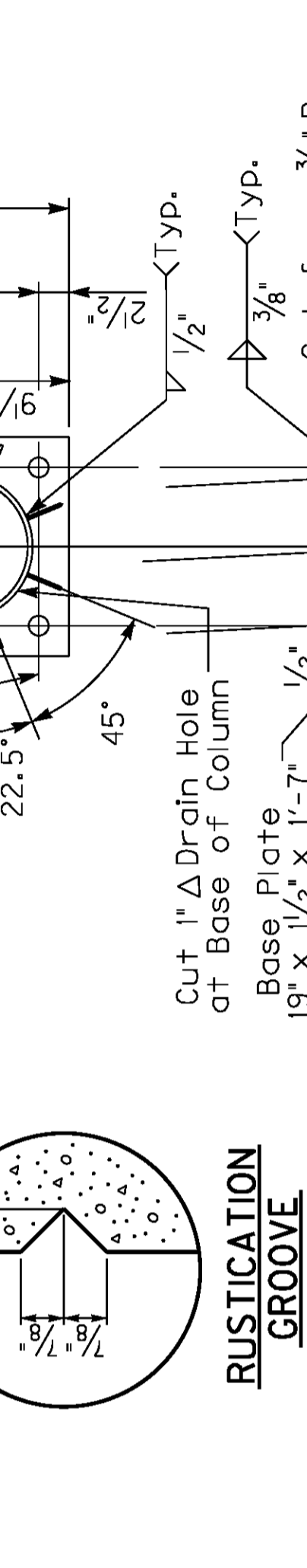
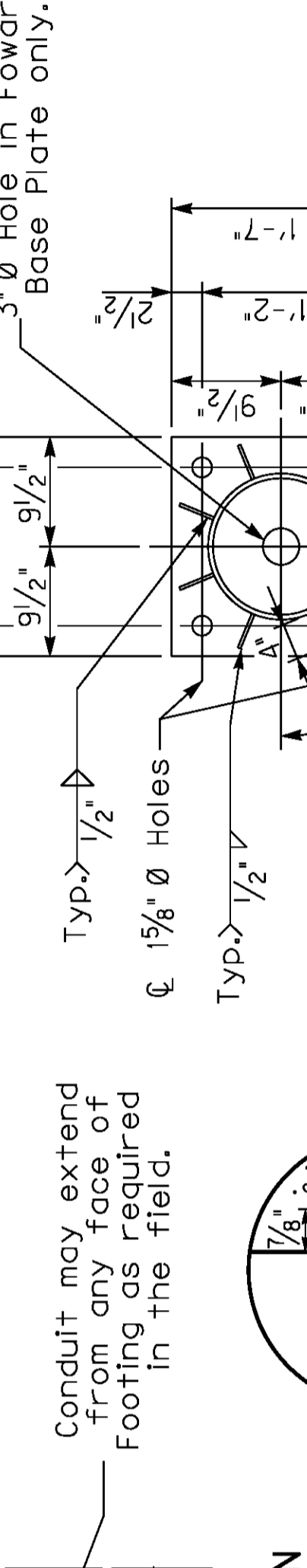
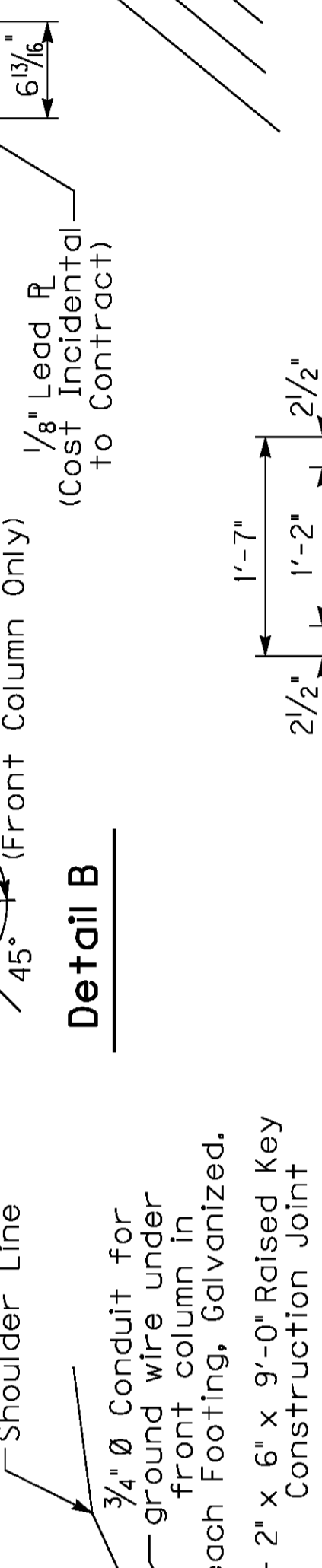
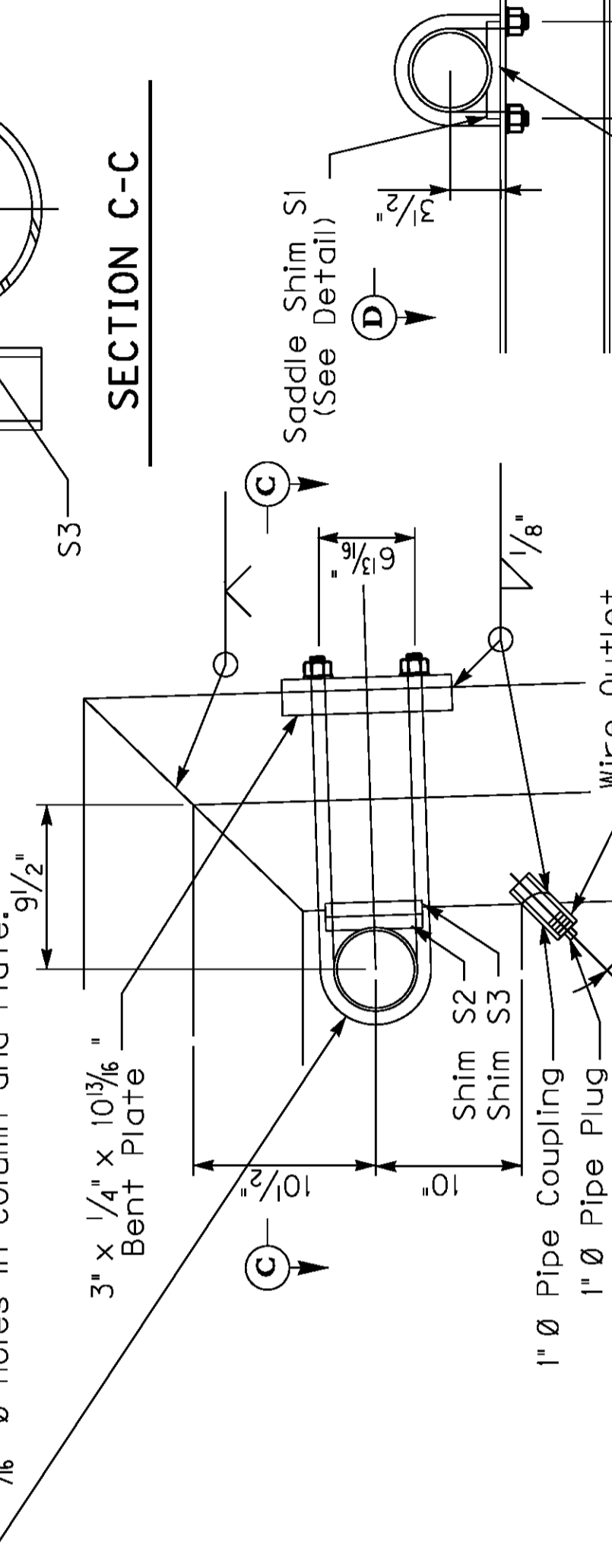
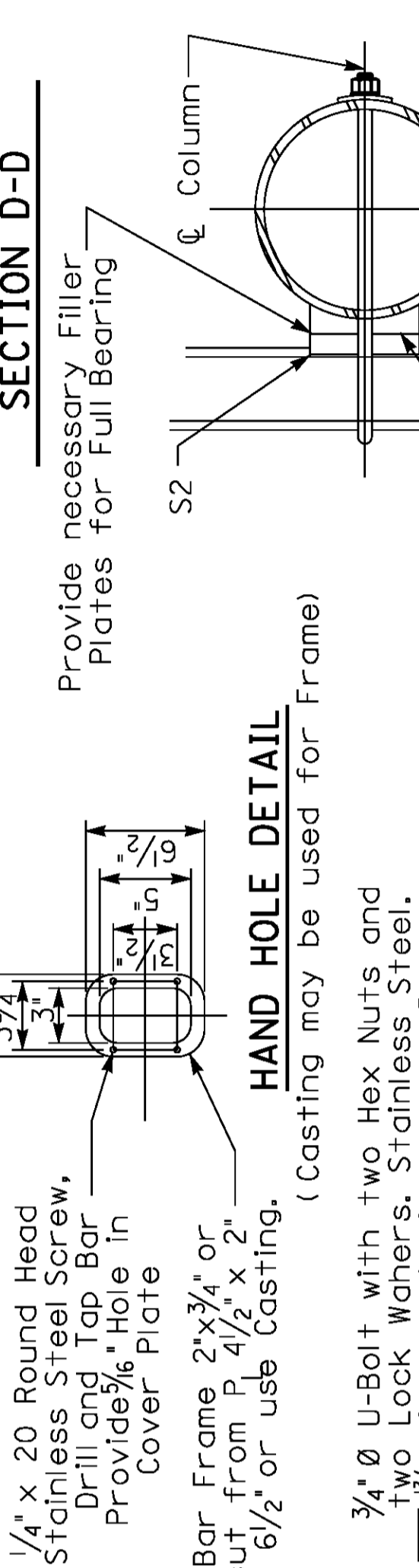
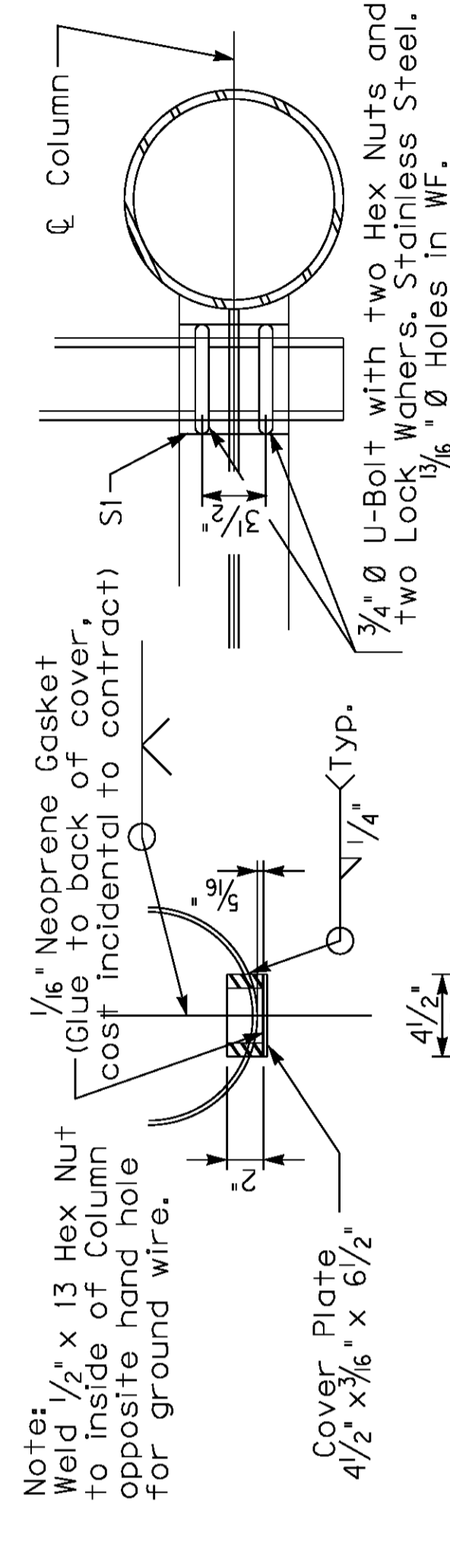
MARK	TYPE	NO.	SIZE	LENGTH FT.	IN.	LOCATION
A1	4	24	#6	5	7	Footing & Wall
A2	Str	36	#8	6	7	Footing & Wall
A3	Str	7	#8	17	7	Footing & Wall
A4	14	var.	#4	25	1	Wall
A5	Str	24	#5	F - 1'-11"	F	Wall
A6	Str	7	#5	17	8	Footing

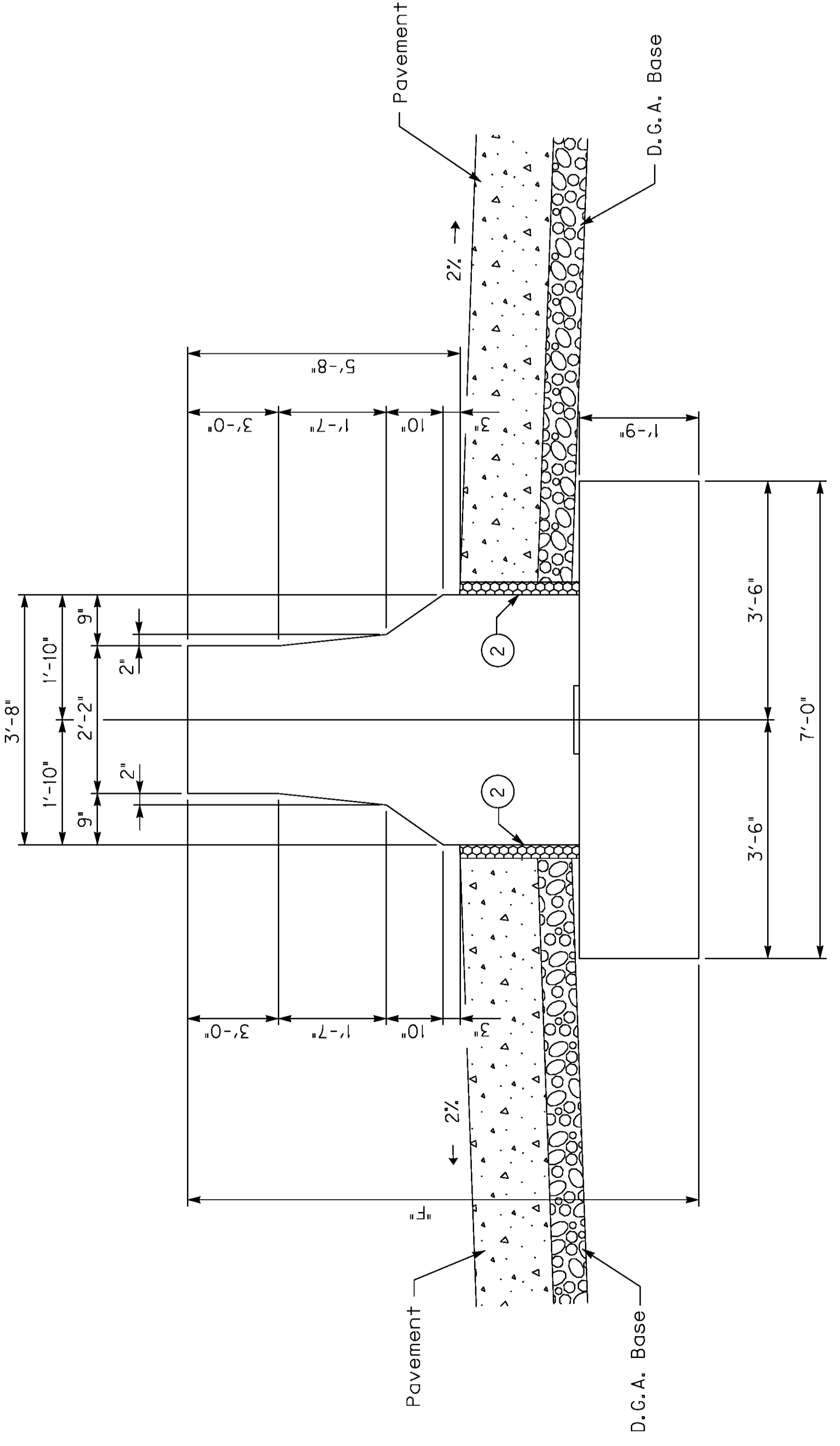


ESTIMATE OF QUANTITIES FOR FOOTING

Conc. Class	*A*	Reinforcement
F=6'-0"		1097 lbs.
1' of additional Pedestal height		42 lbs.

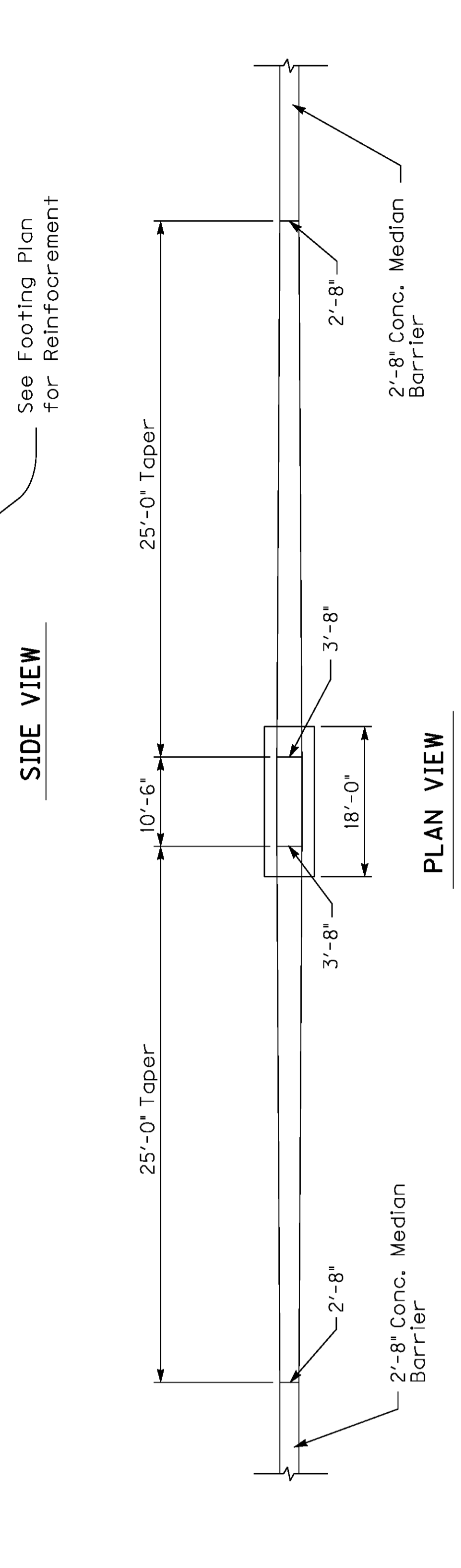
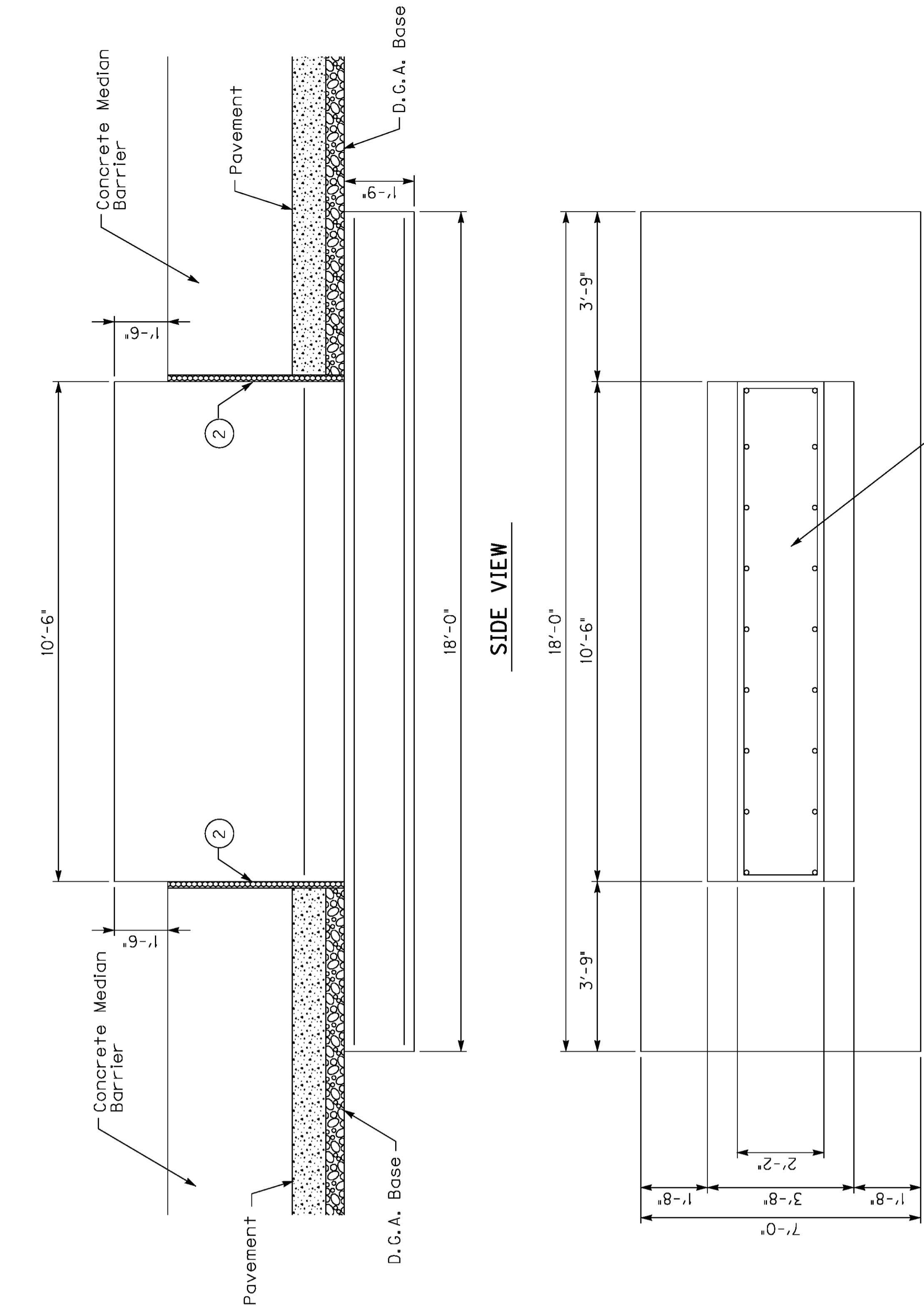
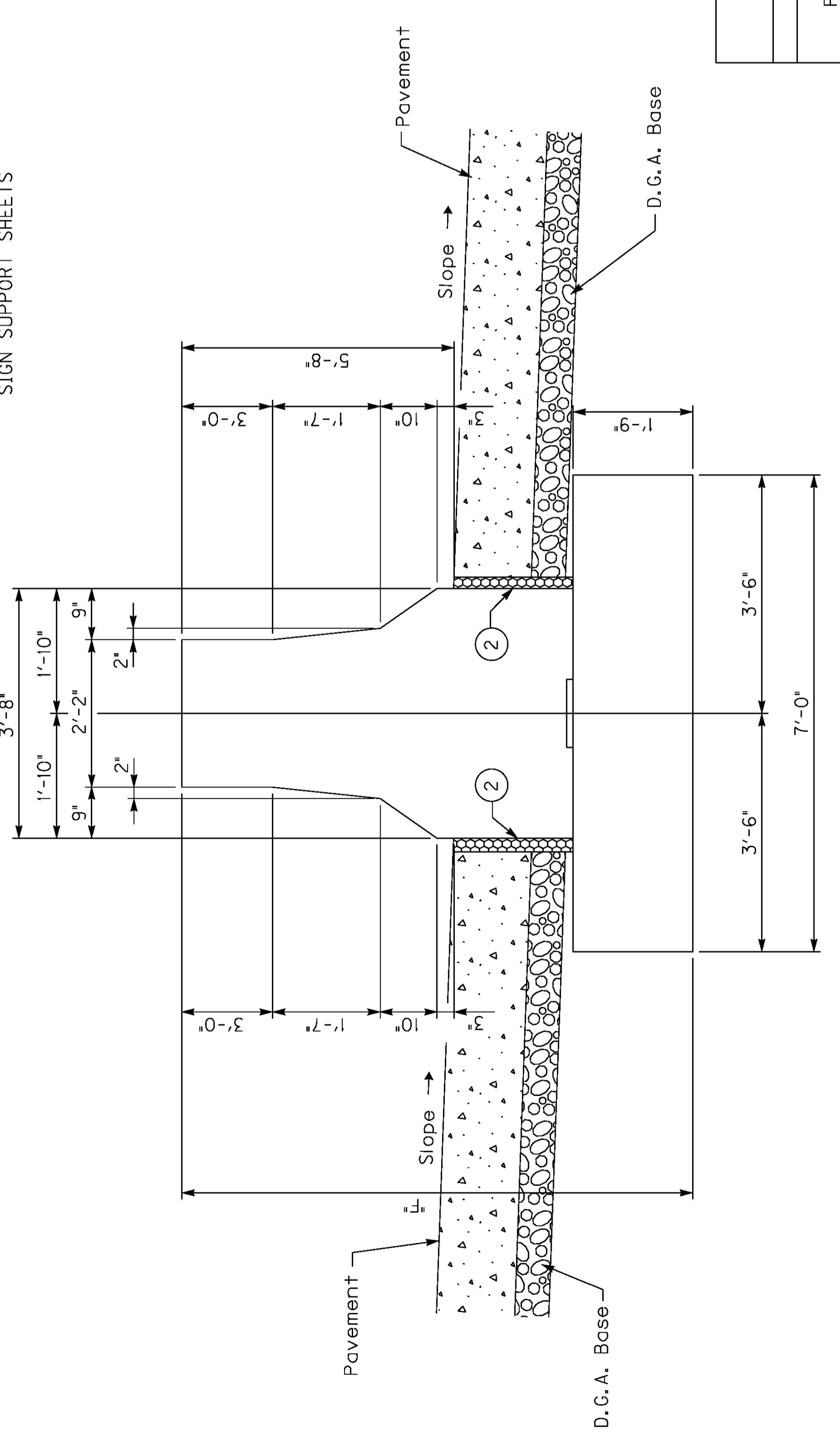
* Approx. estimate is for information only. Tabulated FL and FR shall be verified by the Engineer in the field.



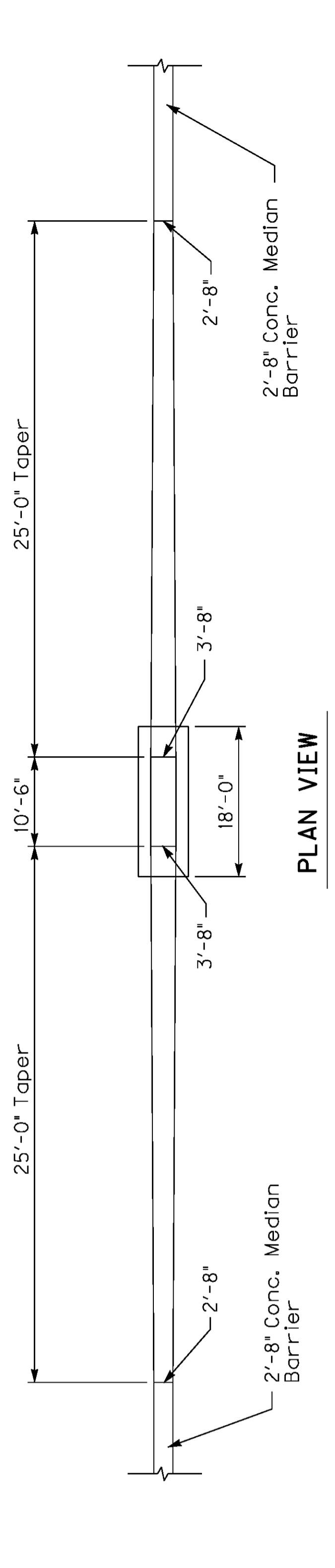


NOTES:
 ① VARIES WITH RATE OF SUPERELEVATION
 ② 1/2" PRE-MOLD EXPANSION MATERIAL

NOTE:
 FOR DETAILS SEE STANDARD OVERHEAD SIGN SUPPORT SHEETS



See Footing Plan for Reinforcement



• Approx. estimate is for information only. Tabulated F shall be verified by the Engineer in the field.

• ESTIMATE OF QUANTITIES FOR MEDIAN FOOTING

Conc. Class "A"	
14.3 cu.yds.	
F=8'-0"	
1' of additional Pedestal height	1.4 cu. yds.

DATE: Oct, 2011 CHECKED BY: _____
 DESIGNED BY: Standard Sheet E. Kilgore
 DETAILED BY: _____

Commonwealth of Kentucky
 DEPARTMENT OF HIGHWAYS
 COUNTY WARREN

ROUTE I-65 ITEM NUMBER 3-17.00
75'-105' OVERHEAD SIGN SUPPORT

PREPARED BY: Division of Structural Design
 SHEET NO. T98
 DRAWING NO. _____

MEDIAN BARRIER FOOTING

GENERAL NOTES

75'-105' ALUMINUM OVERHEAD SIGN SUPPORT

SPECIFICATIONS: All References to the Standard Specifications are to the Current Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All References to the AASHTO Specifications are to the 2002 Edition of the AASHTO Standard Specifications for Highway Bridges.

DESIGN: Designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals published by AASHTO, 2000 with wind velocity to 80 MPH.

SUPERELEVATION OF ROADWAY: The Contractor shall allow for differences in elevations across the full shoulder width as shown on the Roadway Plans in maintaining the required 18 foot minimum vertical clearance to the bottom of the lowest part of the sign or support. Sign shall to be centered over the lane or lanes to which it applies unless shown otherwise.

CONCRETE: Class "A" Concrete is to be used throughout.

BEVELED EDGES: All exposed concrete edges are to be beveled $\frac{3}{4}$ " unless otherwise shown.

REINFORCEMENT: Dimensions from face of concrete to bars are clear except as otherwise shown. Dimensions for bar spacings are distances center to center of bars.

SHOP DRAWINGS: The contractor shall submit detailed Shop Drawings to the Division of Construction for review prior to fabrication in accordance with the specifications.

FABRICATION: The aluminum sign support shall be fabricated in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished to the Department of Highways stating that the materials used conform to the specifications.

FOOTINGS: All footings shall be poured against undisturbed earth and are to transfer no more than 1 1/2 Tons Per Square Foot Bearing Pressure to the soil under any design loading conditions.

VERTICAL DIMENSIONS: Vertical Dimensions HR and HL shall not exceed 27 feet and the combined Dimensions (HR + FR) or (HL + FL) shall not exceed 36 feet.

MATERIAL SPECIFICATIONS: The following ASTM designations shall govern all materials used.

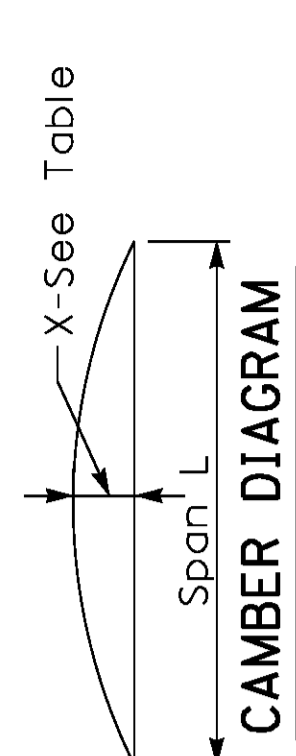
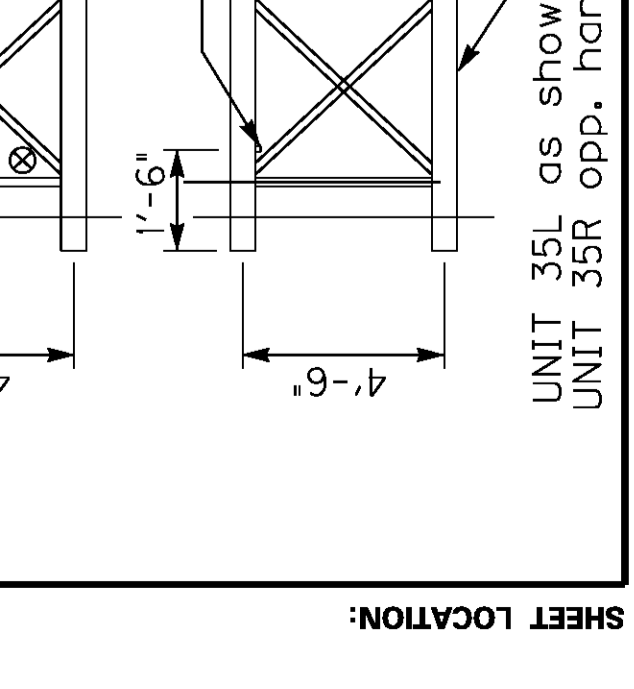
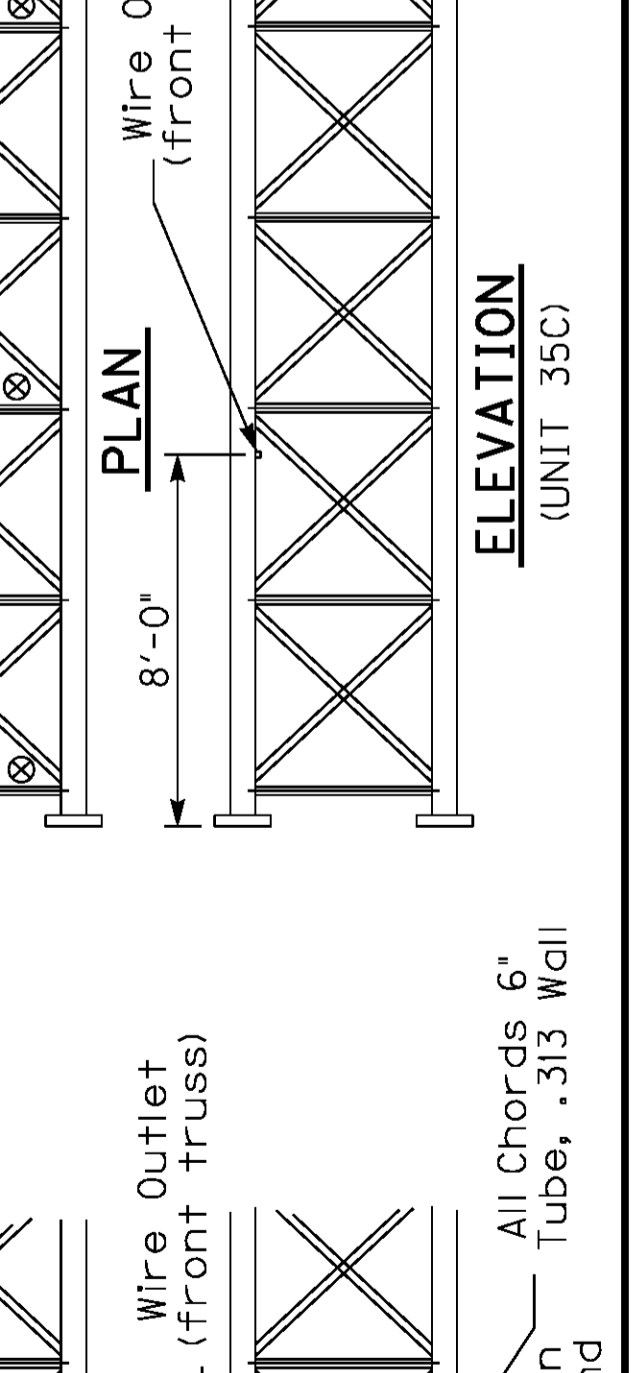
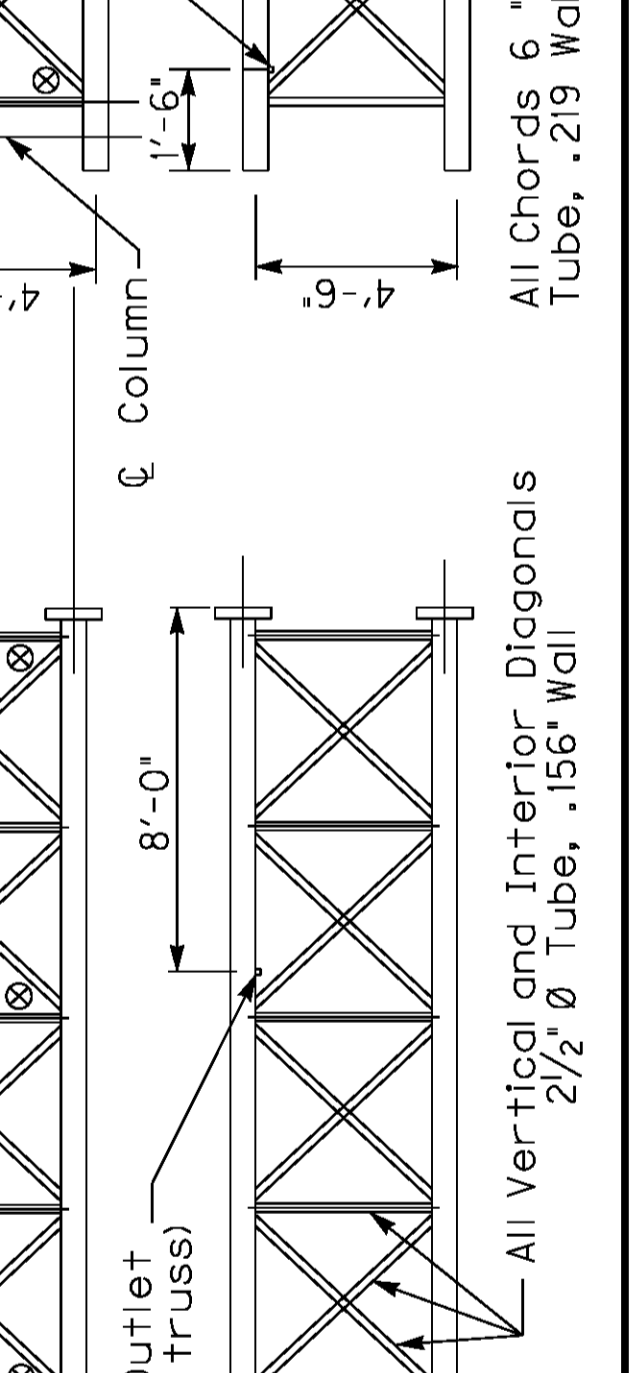
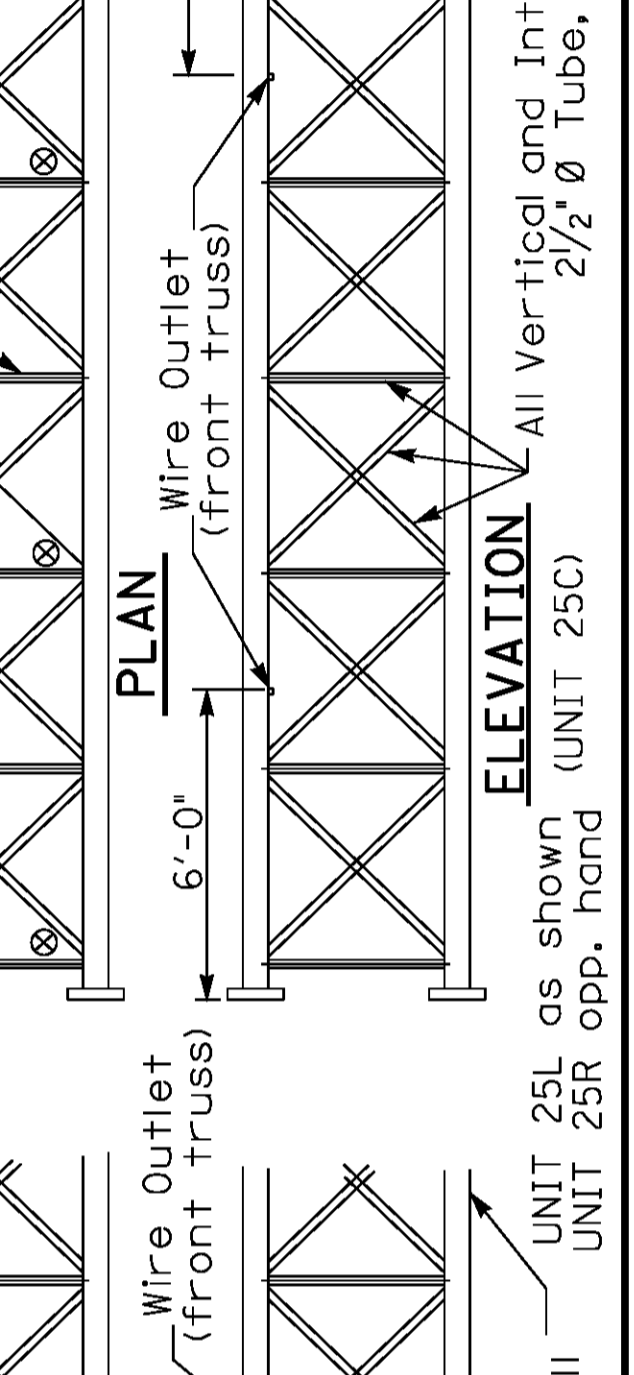
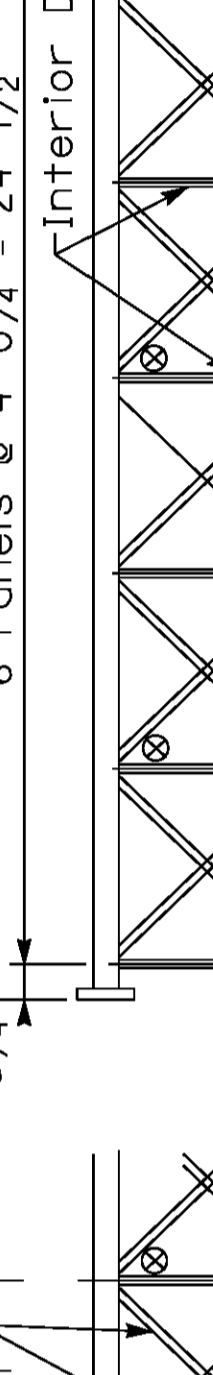
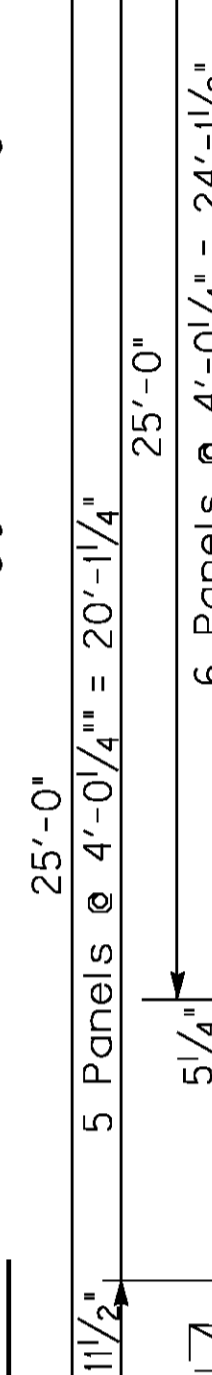
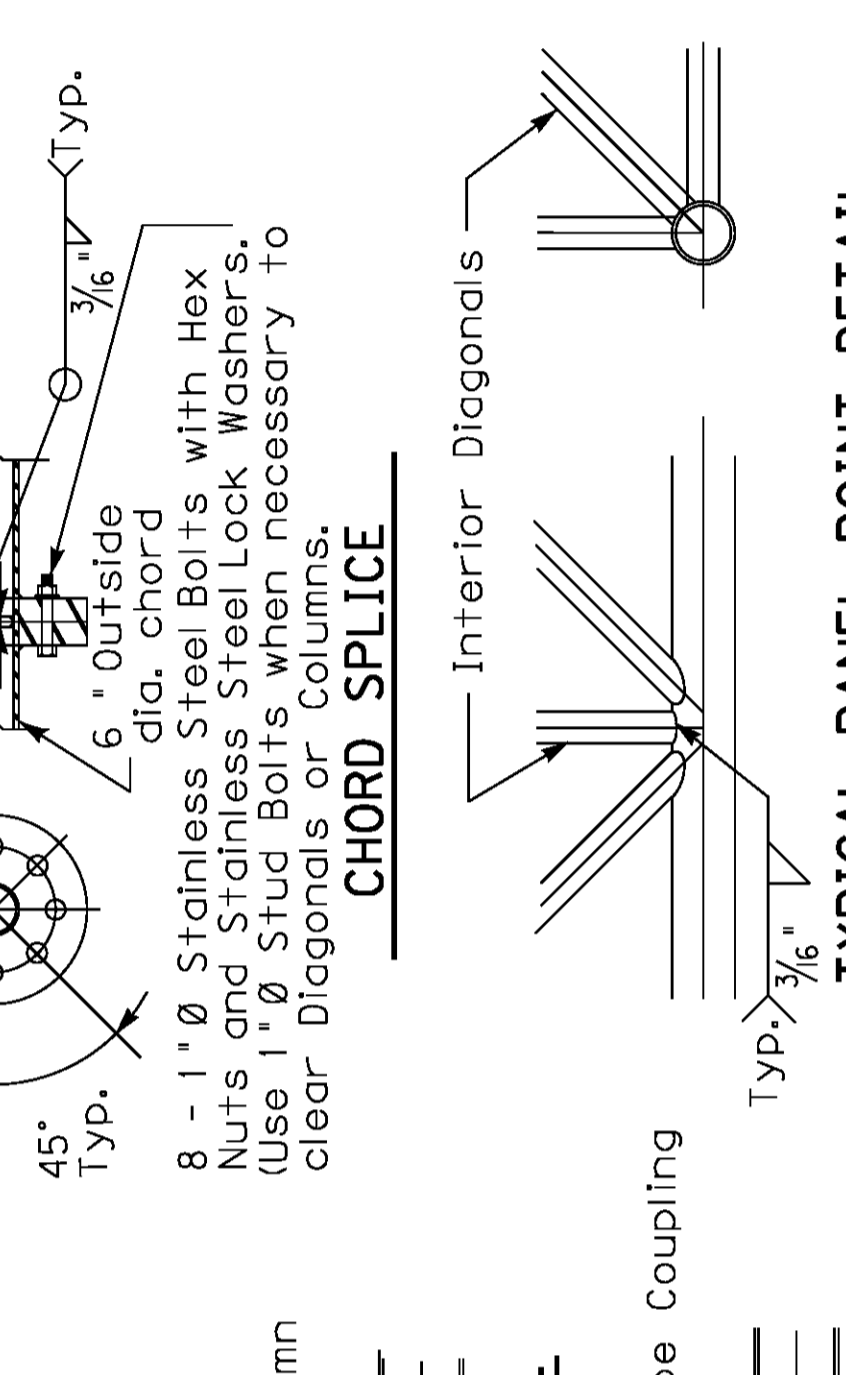
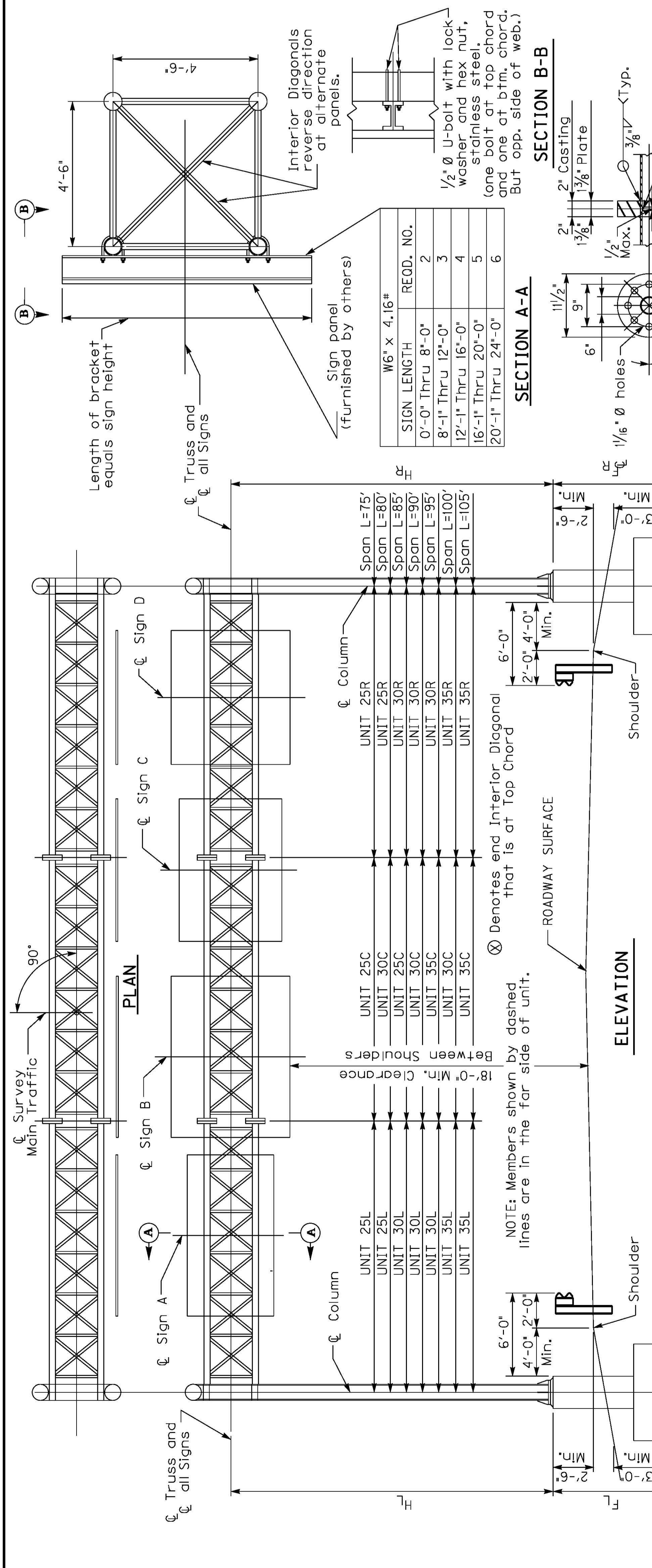
ASTM	MATERIAL
B221-08	Extruded Tube, Aluminum Alloy 6061-T6511
B241-02	Pipe, Aluminum 6061-T6
B308-02	Structural Shapes, Aluminum Alloy 6061-T6
B221-08	Extruded Bar, Rod and Shapes, Aluminum Alloy 6061-6511
B209-07	Sheet and Plate, Aluminum Alloy 6061-T651
A320-08	Stainless Steel Hardware, Nuts, Bolts, Washers and Screws
B766-86	Class 12, Cadmium Coating for ASTM A36 Anchor Bolts, Nuts and Washers
B26-05	Sand Mold Casting, Aluminum Alloy 356.0-T6
BI08-08	Permanent Mold Casting, Aluminum Alloy 356.0-T6

ROADWAY CROSS SECTION: The Contractor shall take field measurements at each Sign location and develop a cross section showing the Sign Footing Heights and elevations, Sign Clearance above the Roadway and Column Heights. These cross sections shall be submitted to the Engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Section". A copy of these cross sections shall also accompany the Shop Drawings.

DATE:	Oct, 2011	CHECKED BY
DESIGNED BY:	Standard Sheet	E. Kilgore
DETAILED BY:		
Commonwealth of Kentucky		
DEPARTMENT OF HIGHWAYS		
<small>COUNTY</small>		
WARREN		
<small>ROUTE</small>	<small>ITEM NUMBER</small>	
I-65	3-17.00	
75'-105' OVERHEAD SIGN SUPPORT		
<small>PREPARED BY</small>		<small>SHEET NO.</small>
Division of Structural Design		T99
		<small>DRAWING NO.</small>

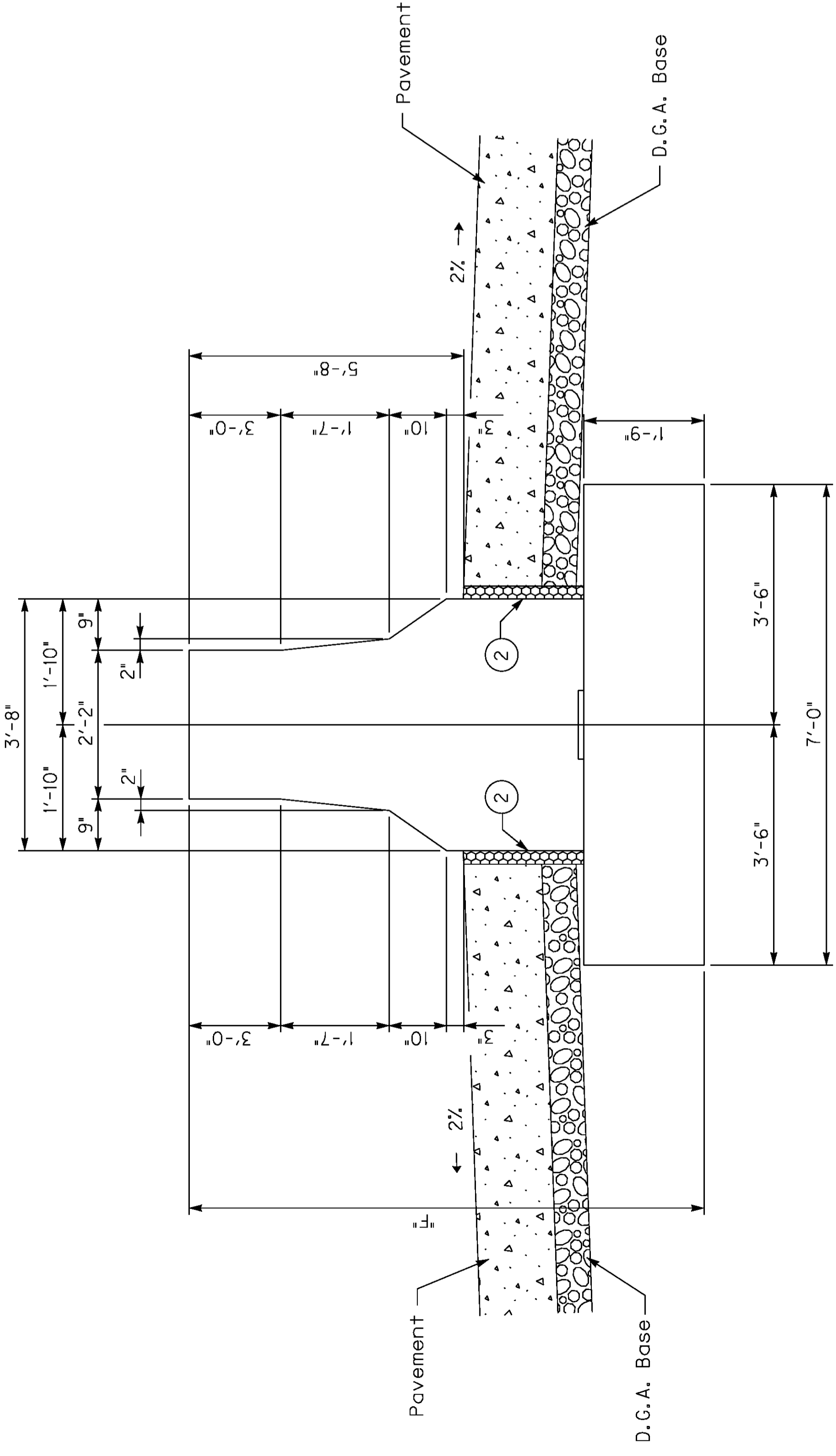
Support No.	M.P.	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HL	HR	FL	FR
2	23.14	75'	25'	22'	10'	10.5'	
Support No.	SIGN A	SIGN A		SIGN B		SIGN C	
		No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area
2	P-6	43'-0"	15'-10"	700*			
Support No.	M.P.	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HL	HR	FL	FR
Support No.	SIGN A	SIGN A		SIGN B		SIGN C	
		No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area

* Total Area includes Exit Number Signs that are not shown.



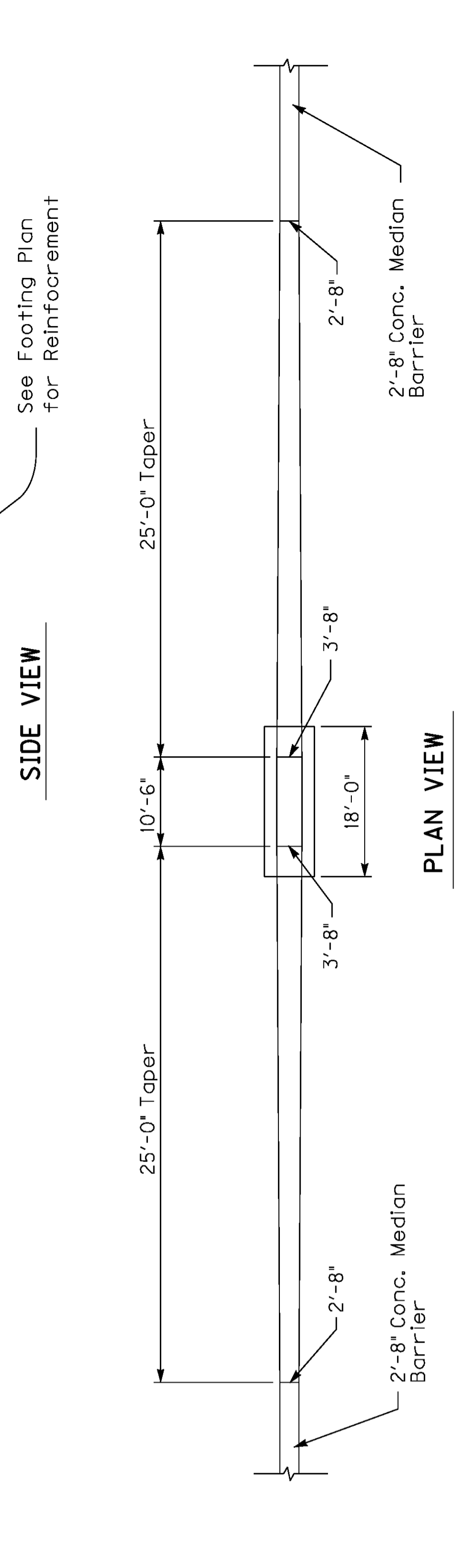
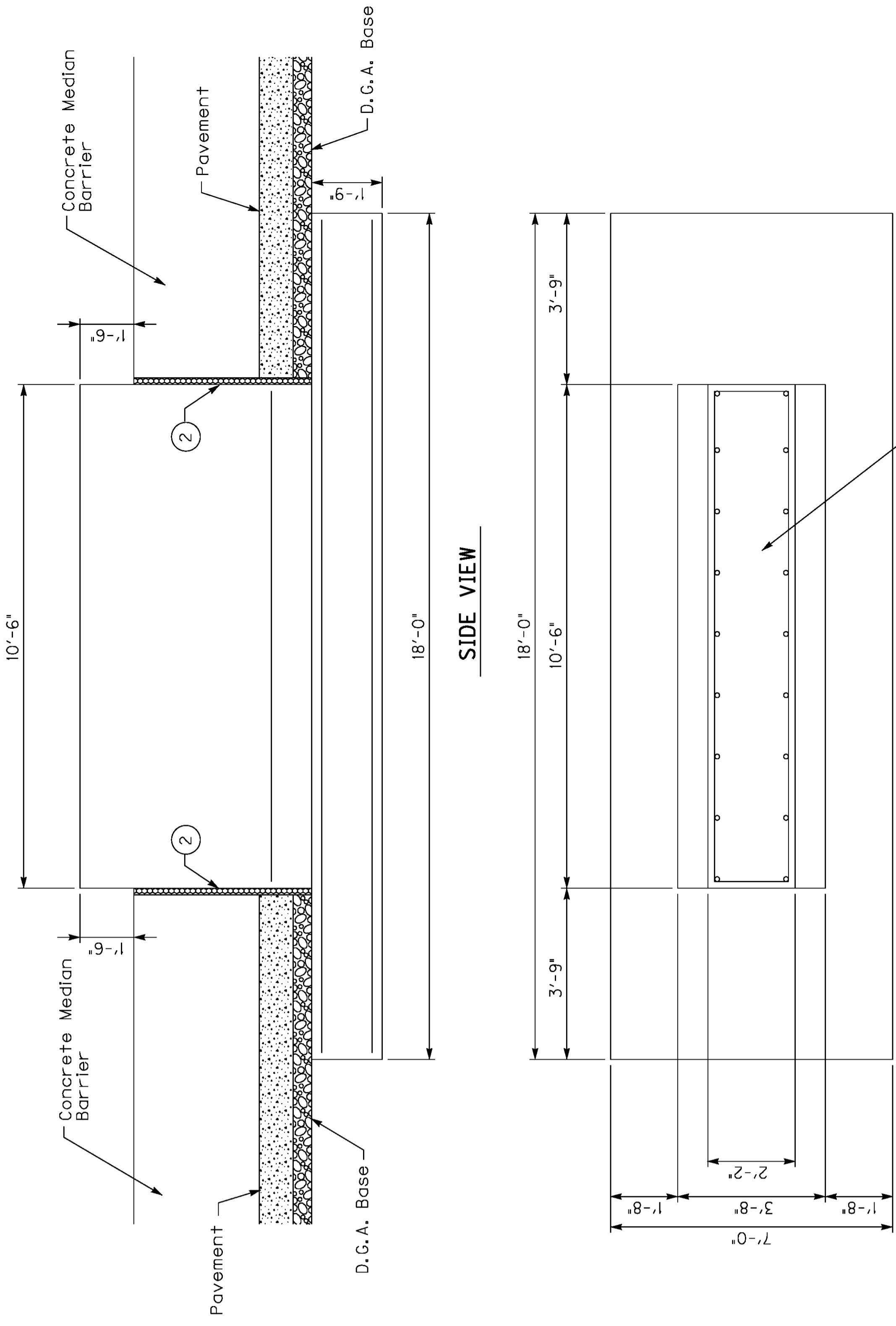
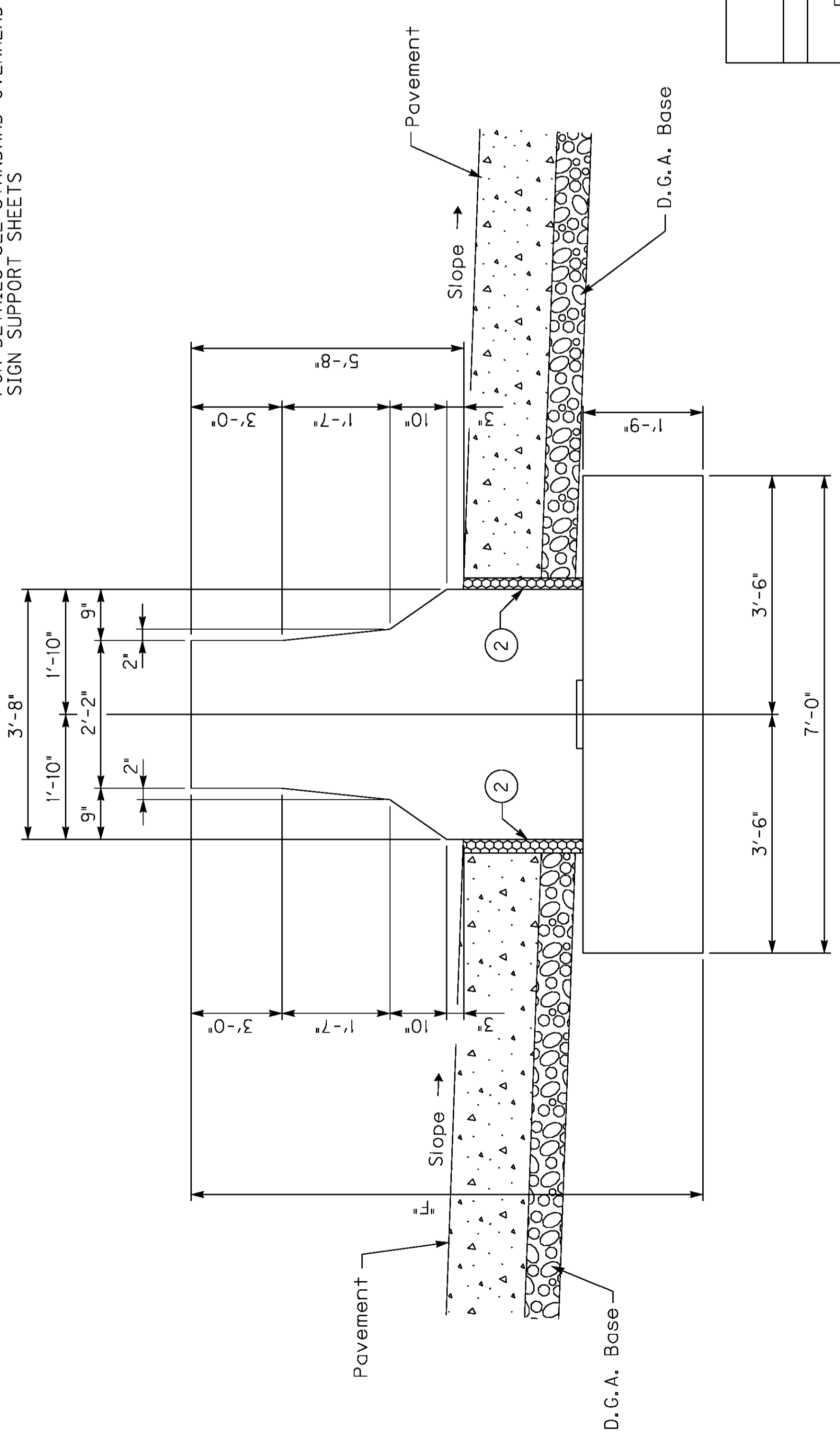
DATE: Oct, 2011
 DESIGNED BY: Standard Sheet E. Kilgore
 CHECKED BY:
 DETAILED BY:
Commonwealth of Kentucky
 DEPARTMENT OF HIGHWAYS
 COUNTY: **WARREN**
 ROUTE: **I-65**
 ITEM NUMBER: **3-17.00**
75'-105' OVERHEAD SIGN SUPPORT
 PREPARED BY:
 Division of Structural Design
 SHEET NO. **T100**
 DRAWING NO.

L	X
75	2 1/4"
80	2 1/2"
85	2 3/4"
90	3"
95	3 1/4"
100	3 1/2"
105	3 3/4"



NOTES:
 ① VARIES WITH RATE OF SUPERELEVATION
 ② 1/2" PRE-MOLD EXPANSION MATERIAL

NOTE:
 FOR DETAILS SEE STANDARD OVERHEAD SIGN SUPPORT SHEETS



See Footing Plan for Reinforcement

* Approx. estimate is for information only. Tabulated F shall be verified by the Engineer in the field.

• ESTIMATE OF QUANTITIES FOR MEDIAN FOOTING

Conc. Class "A"	
14.3 cu.yds.	
F=8'-0"	
1' of additional Pedestal height	1.4 cu. yds.

DATE: Oct, 2011
 DESIGNED BY: Standard Sheet E. Kilgore
 CHECKED BY:
 DETAILED BY:
 COUNTY: WARREN
 DEPARTMENT OF HIGHWAYS
 ROUTE: I-65
 ITEM NUMBER: 3-17.00
 SHEET NO.: T102
 DRAWING NO.:
 PREPARED BY: Division of Structural Design

GENERAL NOTES

75'-105' ALUMINUM OVERHEAD SIGN SUPPORT

SPECIFICATIONS: All References to the Standard Specifications are to the Current Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All References to the AASHTO Specifications are to the 2002 Edition of the AASHTO Standard Specifications for Highway Bridges.

DESIGN: Designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals published by AASHTO, 2000 with wind velocity to 80 MPH.

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CONCRETE: Class "A" Concrete is to be used throughout.

BEVELED EDGES: All exposed concrete edges are to be beveled $\frac{3}{4}$ " unless otherwise shown.

REINFORCEMENT: Dimensions from face of concrete to bars are clear except as otherwise shown. Dimensions for bar spacings are distances center to center of bars.

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MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished to the Department of Highways stating that the materials used conform to the specifications.

FOOTINGS: All footings shall be poured against undisturbed earth and are to transfer no more than 1 1/2 Tons Per Square Foot Bearing Pressure to the soil under any design loading conditions.

VERTICAL DIMENSIONS: Vertical Dimensions HR and HL shall not exceed 27 feet and the combined Dimensions (HR + FR) or (HL + FL) shall not exceed 36 feet.

MATERIAL SPECIFICATIONS: The following ASTM designations shall govern all materials used.

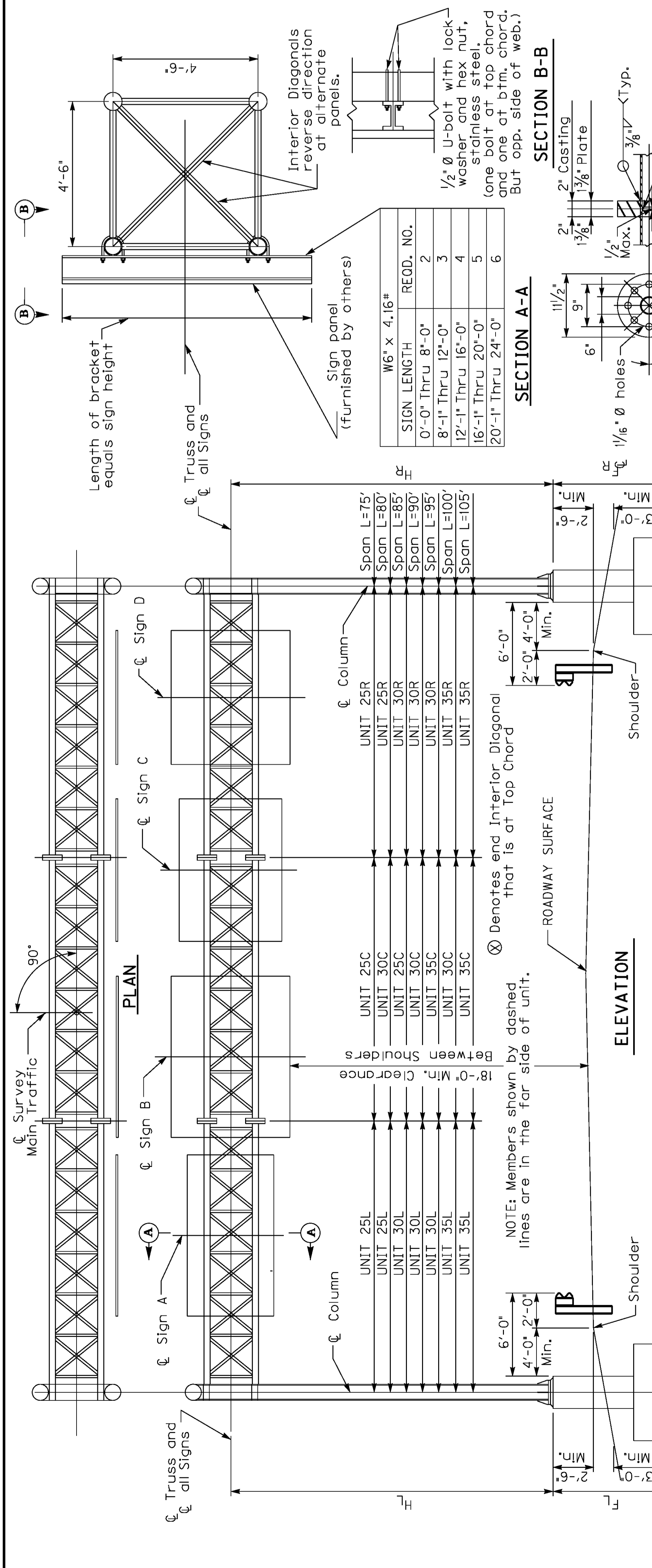
ASTM	MATERIAL
B221-08	Extruded Tube, Aluminum Alloy 6061-T6511
B241-02	Pipe, Aluminum 6061-T6
B308-02	Structural Shapes, Aluminum Alloy 6061-T6
B221-08	Extruded Bar, Rod and Shapes, Aluminum Alloy 6061-6511
B209-07	Sheet and Plate, Aluminum Alloy 6061-T651
A320-08	Stainless Steel Hardware, Nuts, Bolts, Washers and Screws
B766-86	Class 12, Cadmium Coating for ASTM A36 Anchor Bolts, Nuts and Washers
B26-05	Sand Mold Casting, Aluminum Alloy 356.0-T6
BI08-08	Permanent Mold Casting, Aluminum Alloy 356.0-T6

ROADWAY CROSS SECTION: The Contractor shall take field measurements at each Sign location and develop a cross section showing the Sign Footing Heights and elevations, Sign Clearance above the Roadway and Column Heights. These cross sections shall be submitted to the Engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Section". A copy of these cross sections shall also accompany the Shop Drawings.

DATE:	Oct, 2011	CHECKED BY
DESIGNED BY:	Standard Sheet	E. Kilgore
DETAILED BY:		
Commonwealth of Kentucky		
DEPARTMENT OF HIGHWAYS		
<small>COUNTY</small>		
WARREN		
<small>ROUTE</small>	<small>ITEM NUMBER</small>	
I-65	3-17.00	
75'-105' OVERHEAD SIGN SUPPORT		
<small>PREPARED BY</small>		<small>SHEET NO.</small>
Division of Structural Design		T103
		<small>DRAWING NO.</small>

Support No.	M.P.	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HL	HR	FL	FR
3	23.64	75'	24'	24'	24'	8'	7'
Support No.	SIGN A	SIGN A		SIGN B		SIGN C	
		No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area
3	P-7	43'-0" 15'-10"	700*				
Support No.	M.P.	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HL	HR	FL	FR
Support No.	SIGN A	SIGN A		SIGN B		SIGN C	
		No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area

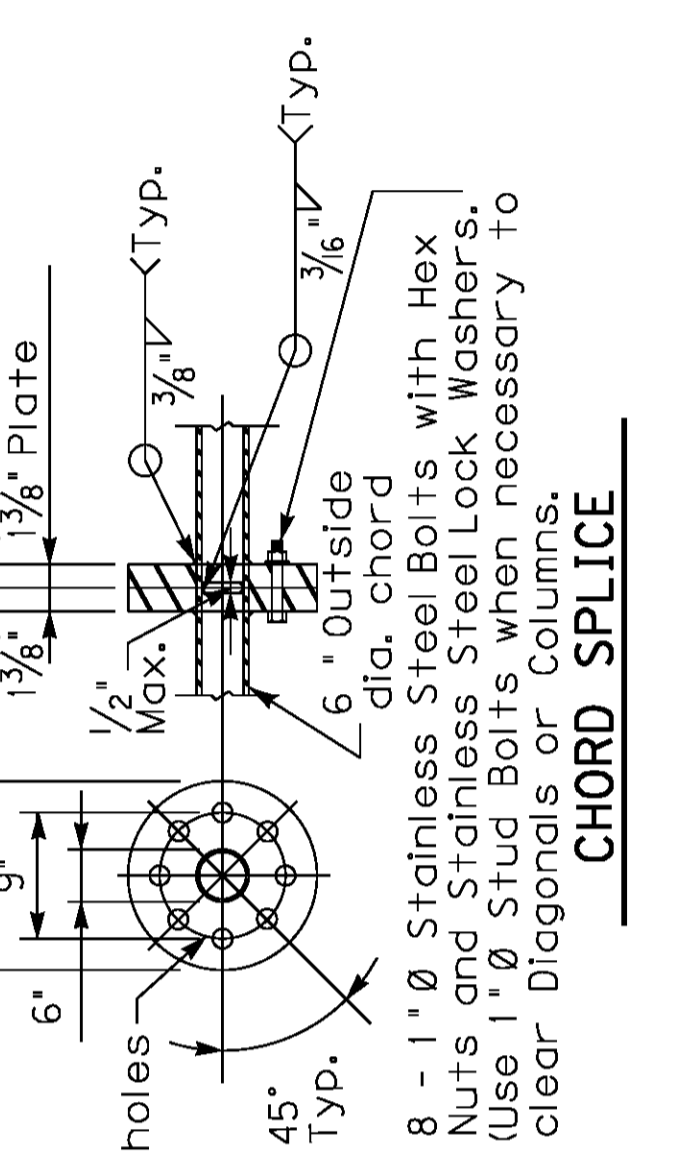
* Total Area includes Exit Number Signs that are not shown.



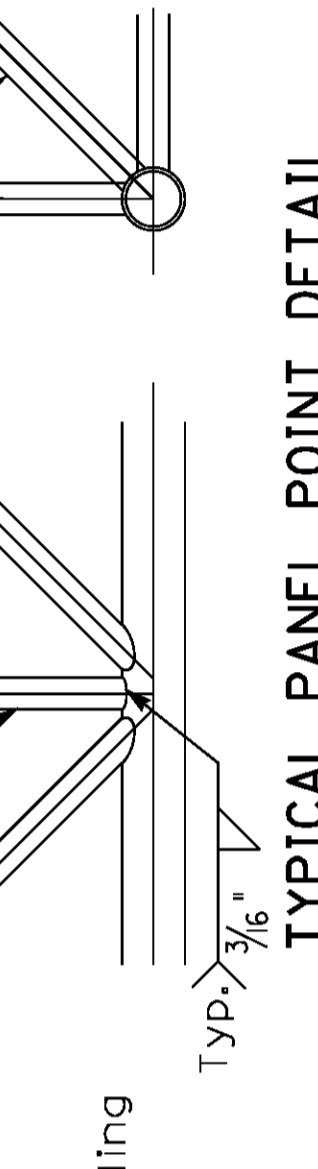
SIGN LENGTH	REQD. NO.
0'-0" Thru 8'-0"	2
8'-1" Thru 12'-0"	3
12'-1" Thru 16'-0"	4
16'-1" Thru 20'-0"	5
20'-1" Thru 24'-0"	6

SECTION A-A

SECTION B-B

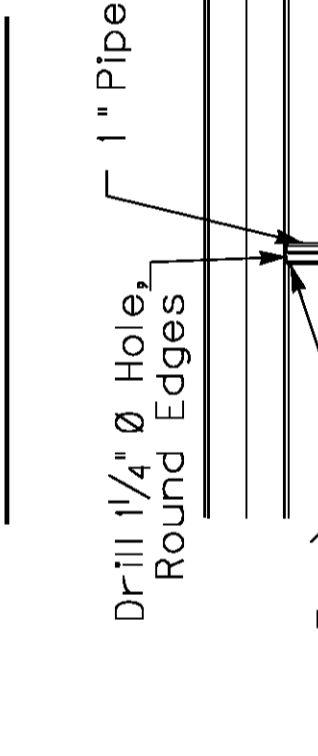


TYPICAL PANEL POINT DETAIL

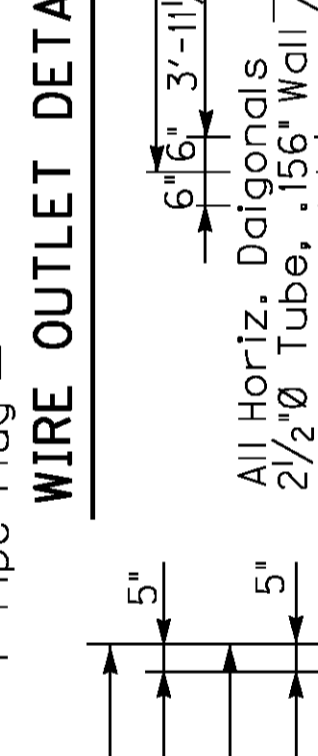


NOTE: All Diagonals are to be cut and ground to fit snugly before welding.

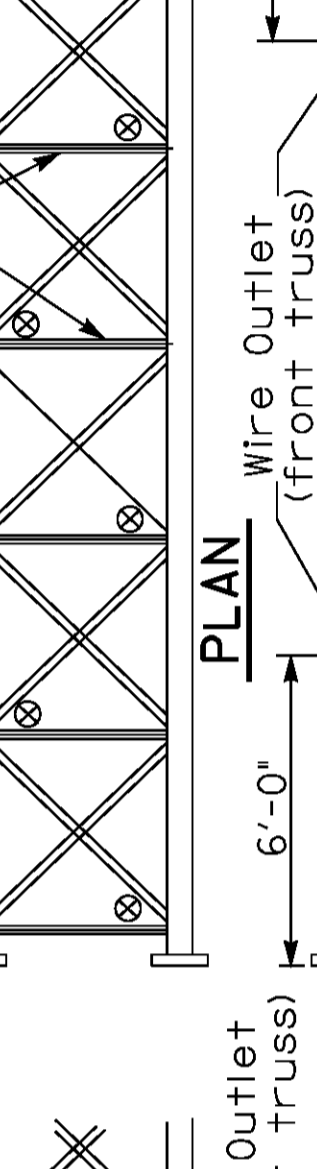
CHORD END DETAIL



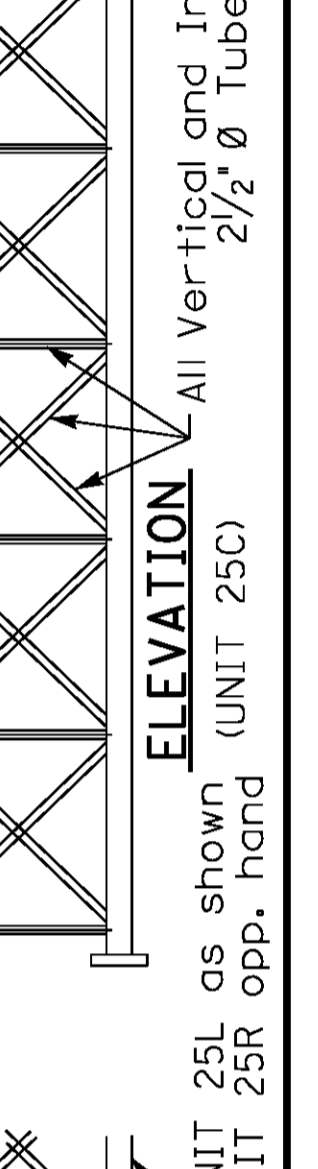
WIRE OUTLET DETAIL



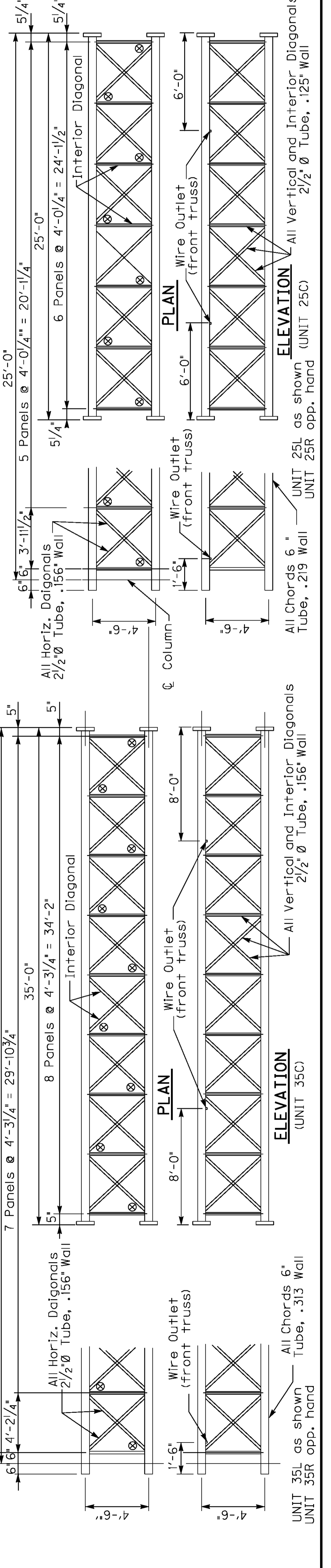
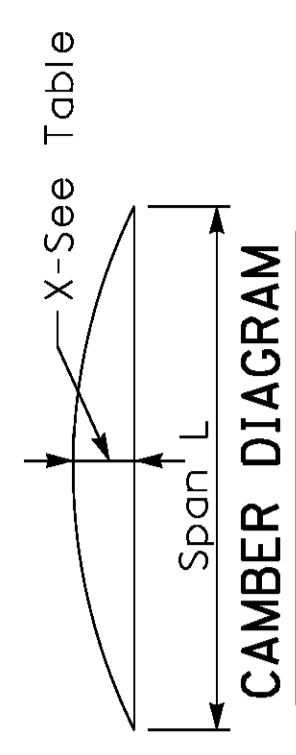
CHORD SPLICE

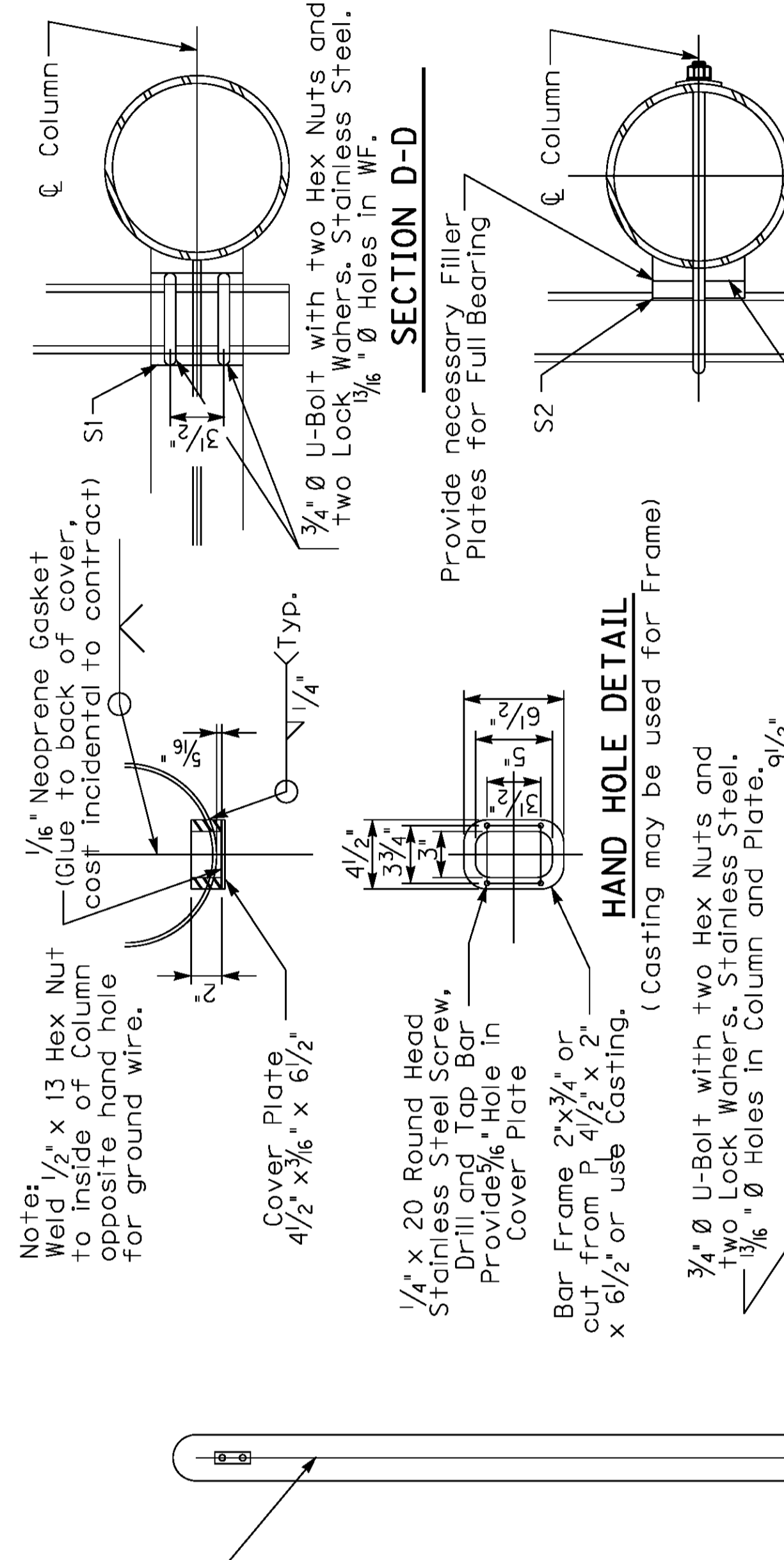
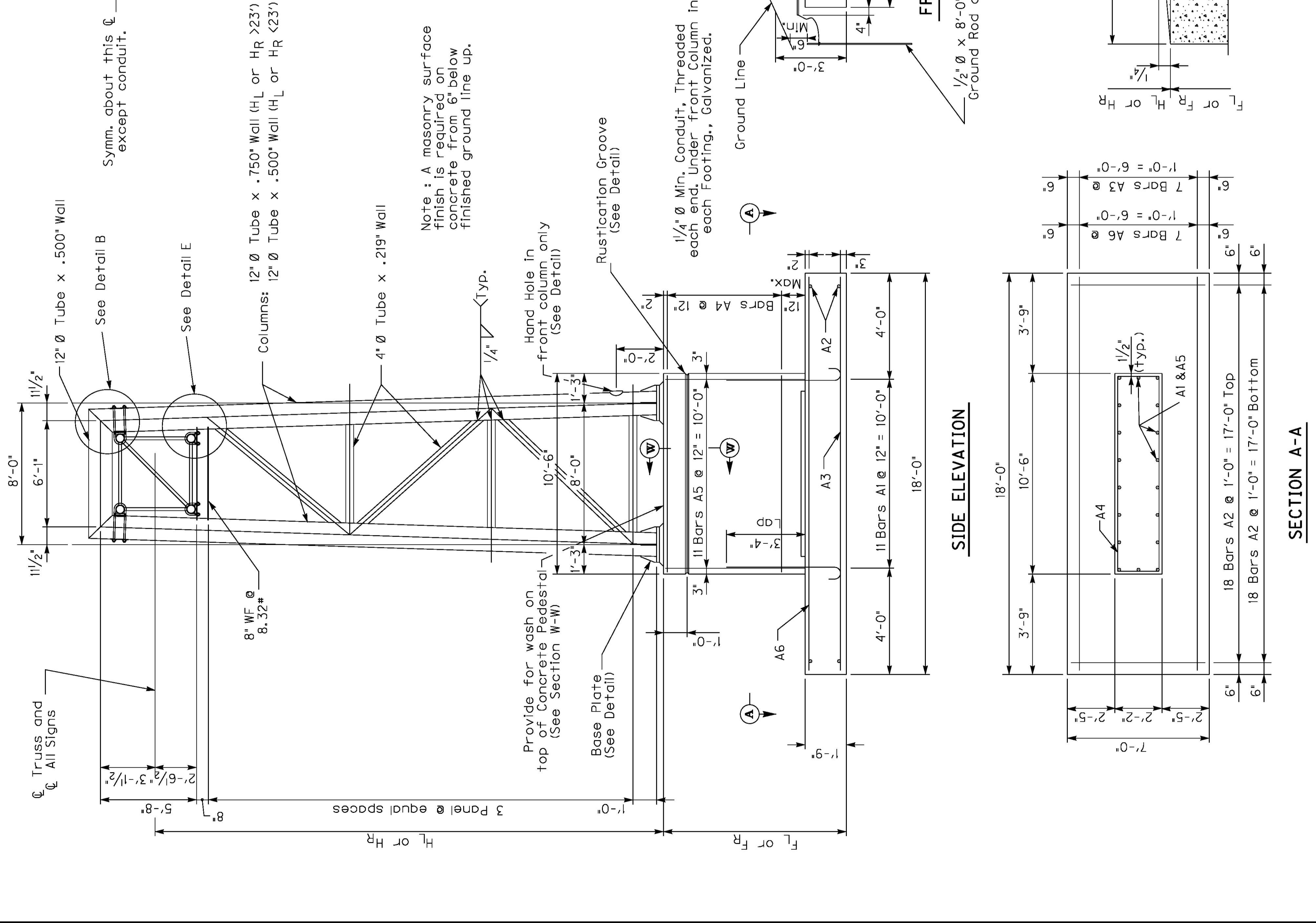


INTERIOR DIAGONALS



L	X
75	2 1/4"
80	2 1/2"
85	2 3/4"
90	3"
95	3 1/4"
100	3 1/2"
105	3 3/4"





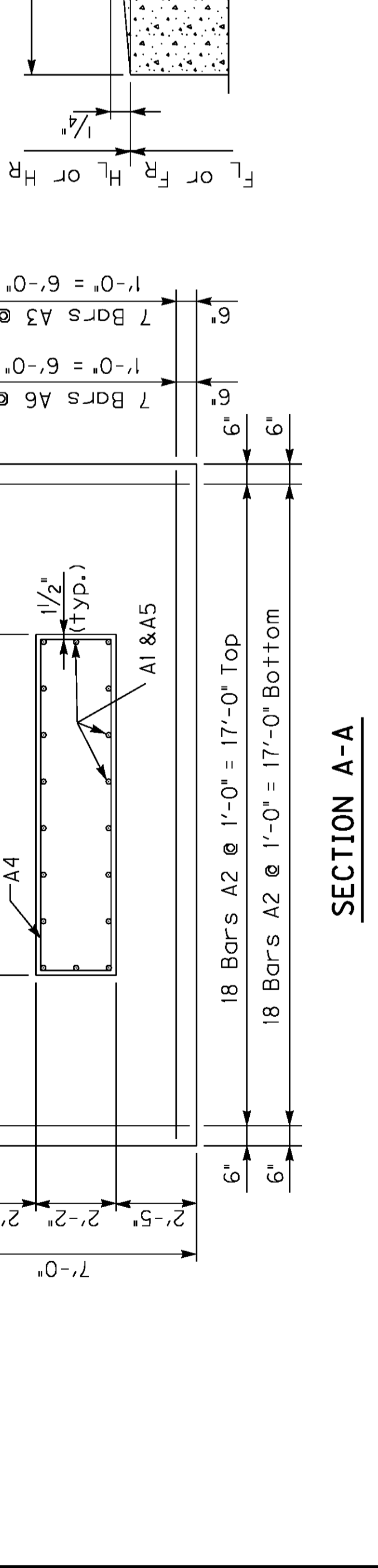
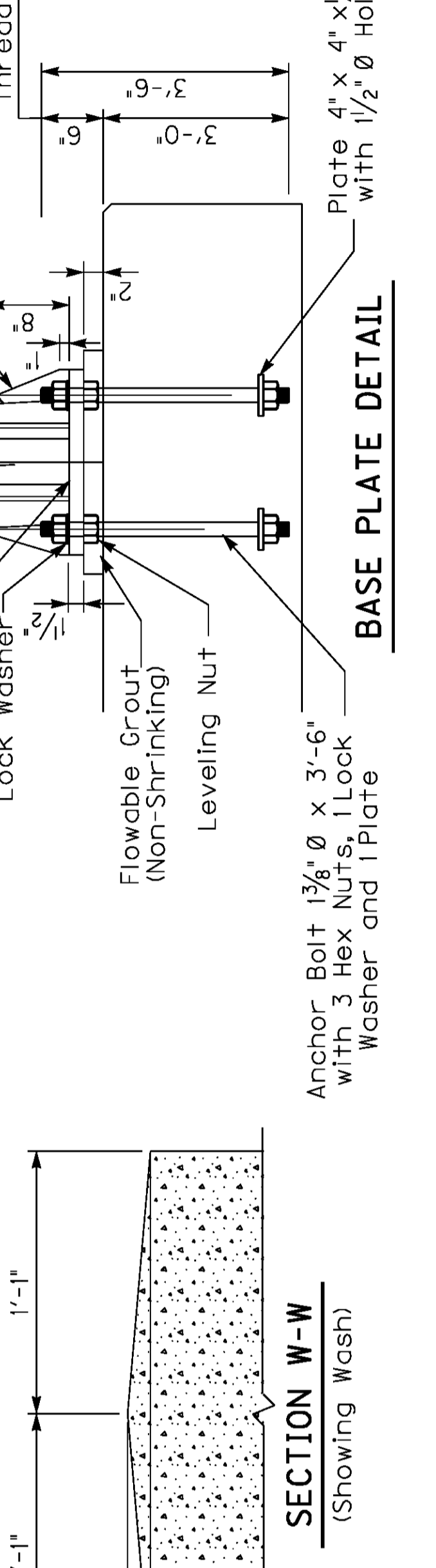
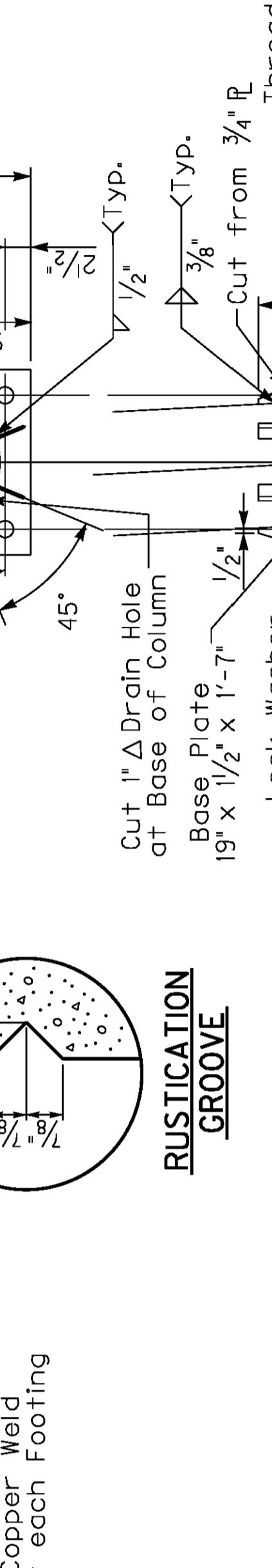
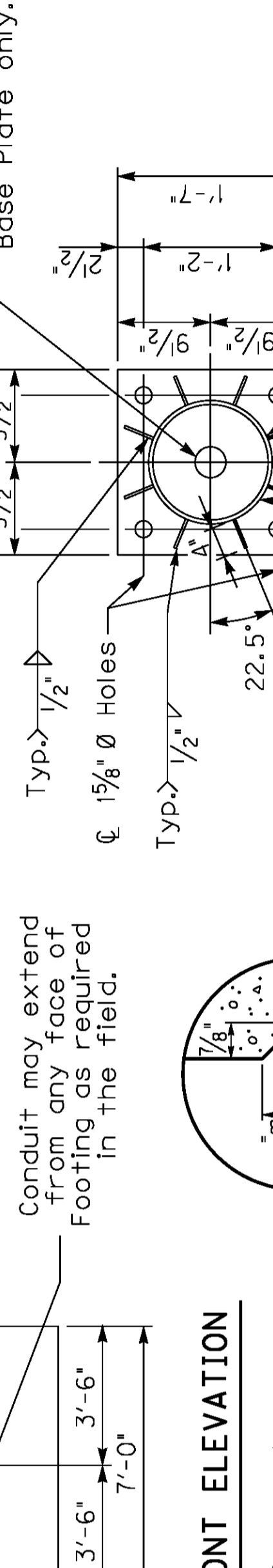
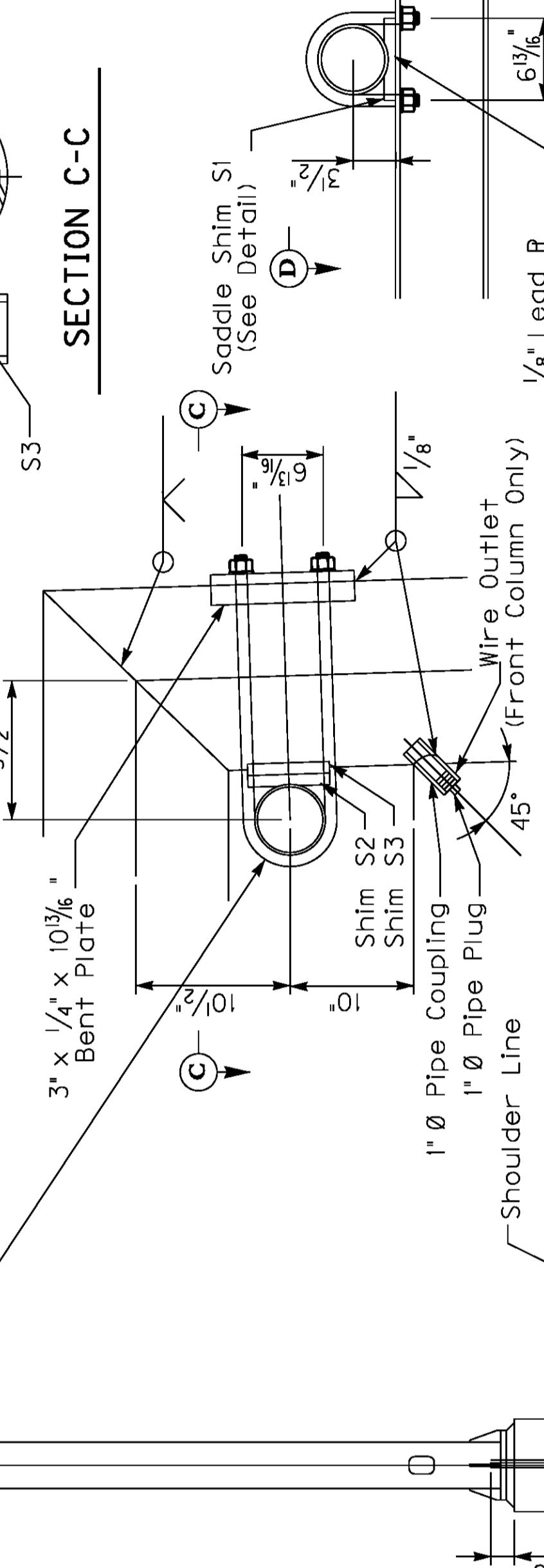
BILL OF REINFORCEMENT FOR FOOTING

MARK	TYPE	NO.	SIZE	LENGTH FT.	IN.	LOCATION
A1	4	24	#6	5	7	Footing & Wall
A2	Str	36	#5	6	7	Footing & Wall
A3	Str	7	#8	17	7	Footing & Wall
A4	14	var.	#4	25	1	Wall
A5	Str	24	#5	F - 1'-11"		Wall
A6	Str	7	#5	17	8	Footing

ESTIMATE OF QUANTITIES FOR FOOTING

Conc. Class	*A*	Reinforcement
F=6'-0"		1097 lbs.
1' of additional Pedestal height		42 lbs.

* Approx. estimate is for information only. Tabulated FL and FR shall be verified by the Engineer in the field.



GENERAL NOTES

75'-105' ALUMINUM OVERHEAD SIGN SUPPORT

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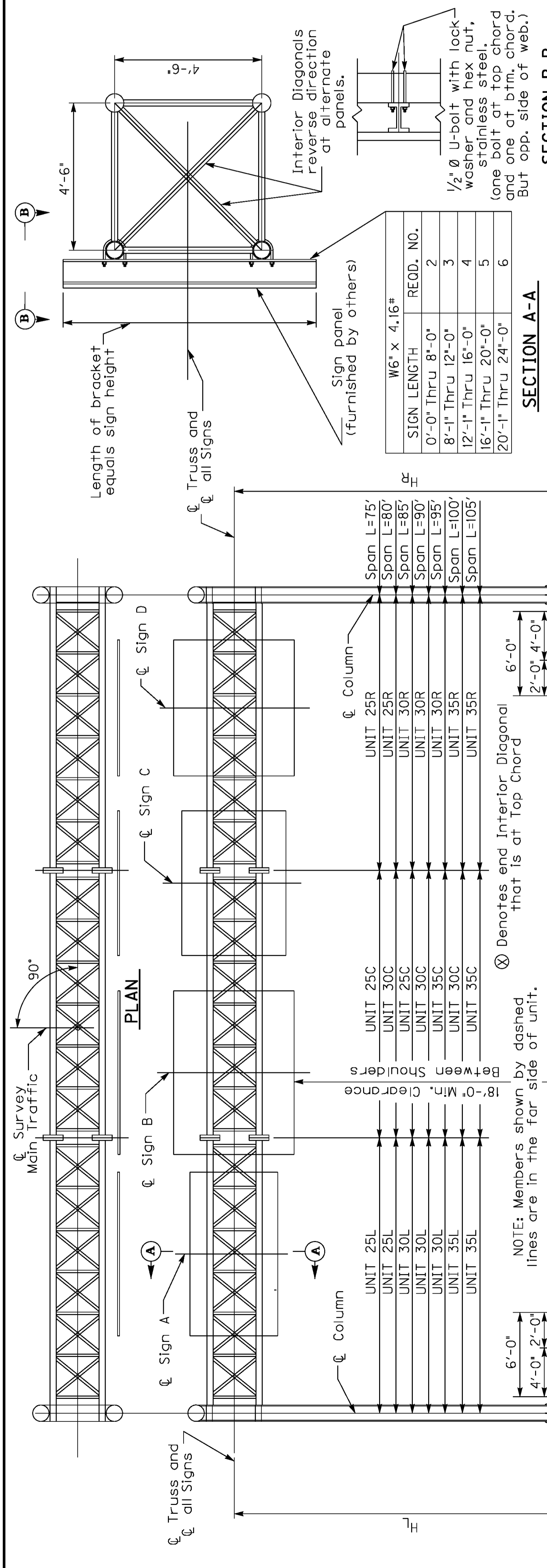
ASTM	MATERIAL
B221-08	Extruded Tube, Aluminum Alloy 6061-T6511
B241-02	Pipe, Aluminum 6061-T6
B308-02	Structural Shapes, Aluminum Alloy 6061-T6
B221-08	Extruded Bar, Rod and Shapes, Aluminum Alloy 6061-6511
B209-07	Sheet and Plate, Aluminum Alloy 6061-T651
A320-08	Stainless Steel Hardware, Nuts, Bolts, Washers and Screws
B766-86	Class 12, Cadmium Coating for ASTM A36 Anchor Bolts, Nuts and Washers
B26-05	Sand Mold Casting, Aluminum Alloy 356.0-T6
BI08-08	Permanent Mold Casting, Aluminum Alloy 356.0-T6

ROADWAY CROSS SECTION: The Contractor shall take field measurements at each Sign location and develop a cross section showing the Sign Footing Heights and elevations, Sign Clearance above the Roadway and Column Heights. These cross sections shall be submitted to the Engineer for approval before ordering any Sign components. This cost is included in the unit price bid for "Roadway Cross Section". A copy of these cross sections shall also accompany the Shop Drawings.

DATE:	Oct, 2011	CHECKED BY
DESIGNED BY:	Standard Sheet	E. Kilgore
DETAILED BY:		
Commonwealth of Kentucky		
DEPARTMENT OF HIGHWAYS		
<small>COUNTY</small>		
WARREN		
<small>ROUTE</small>	<small>ITEM NUMBER</small>	
I-65	3-17.00	
75'-105' OVERHEAD SIGN SUPPORT		
<small>PREPARED BY</small>		<small>SHEET NO.</small>
Division of Structural Design		T106
		<small>DRAWING NO.</small>

Support No.	M.P.	SPAN L	SUPPORT HEIGHT		FOOTING HEIGHT	
			HL	HR	FL	FR
4	24.64	90'	25'	24'	7'	9'
Support No.	SIGN A	SIGN B	SIGN C			
			No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area
4	P-19 43'-0" 15'-10" 700*					
Support No.	M.P.	SPAN L	SUPPORT HEIGHT		FOOTING HEIGHT	
			HL	HR	FL	FR
Support No.						
Support No.	SIGN A	SIGN B	SIGN C			
			No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area	No. Horiz. Vert. Area
Support No.						

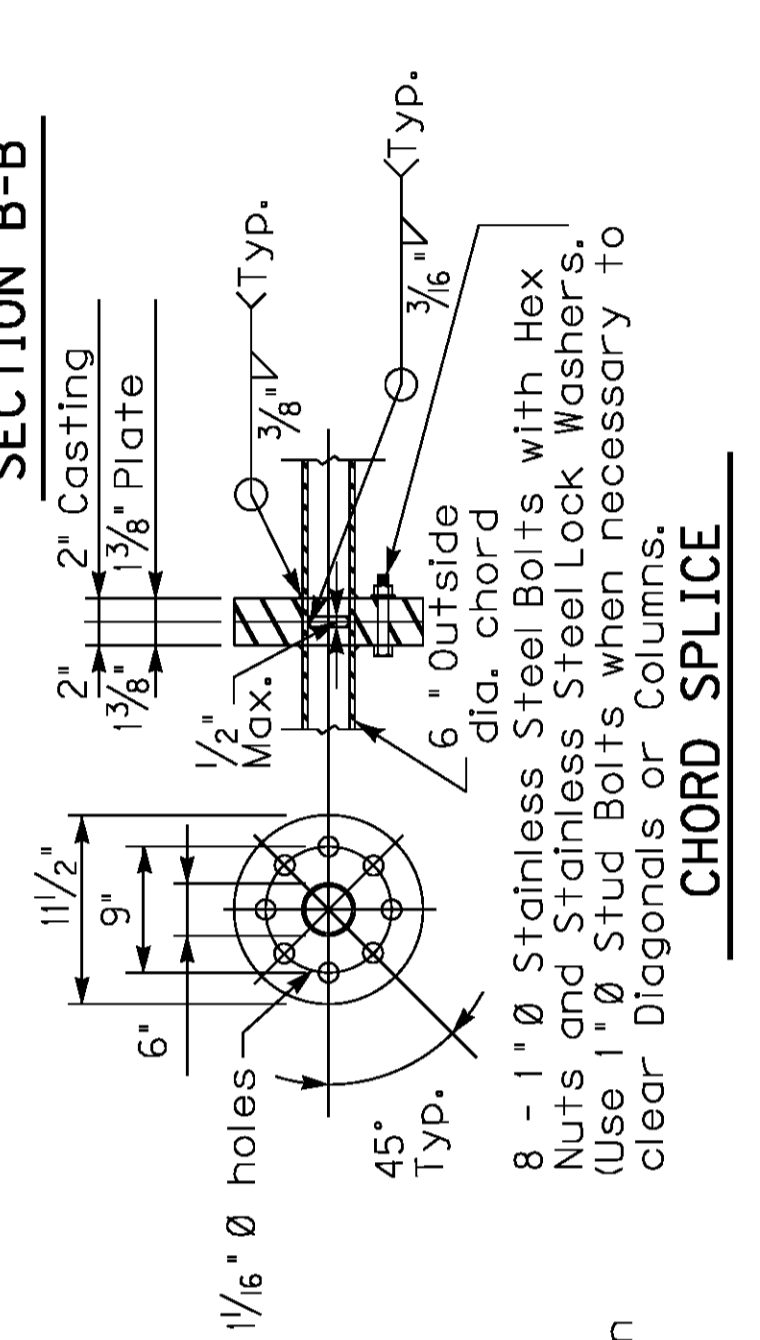
* Total Area includes Exit Number Signs that are not shown.



SIGN LENGTH	REQD. NO.
0'-0" Thru 8'-0"	2
8'-1" Thru 12'-0"	3
12'-1" Thru 16'-0"	4
16'-1" Thru 20'-0"	5
20'-1" Thru 24'-0"	6

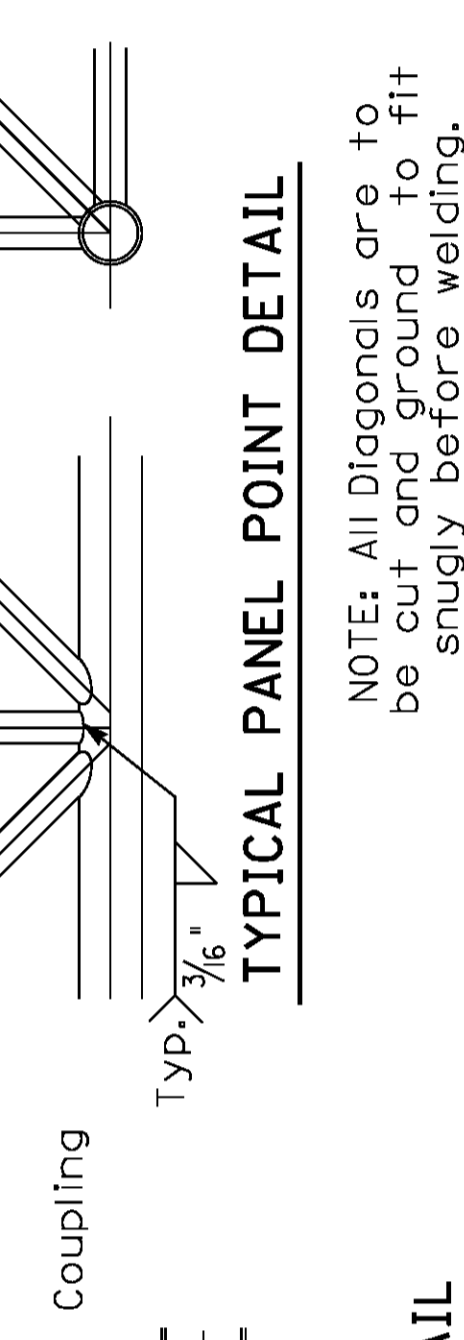
SECTION A-A

SECTION B-B



CHORD SPLICE

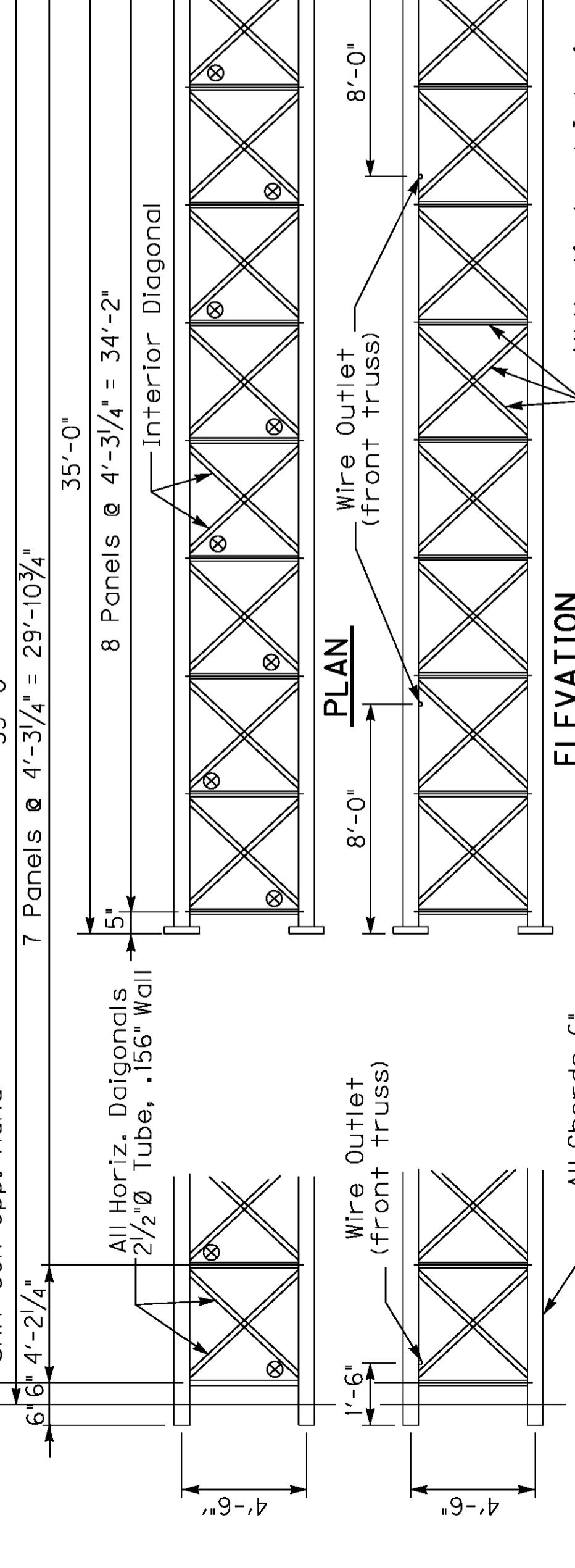
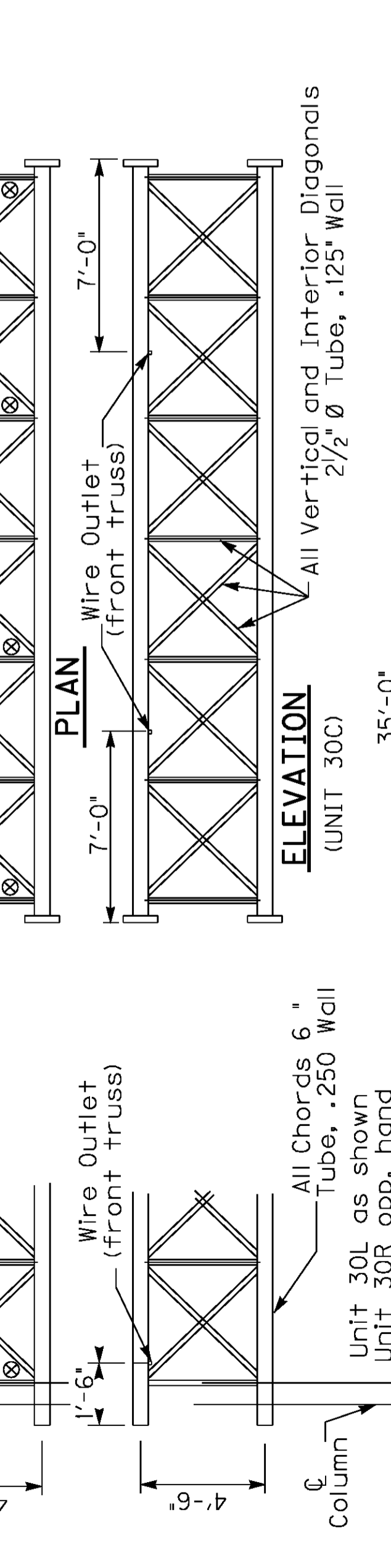
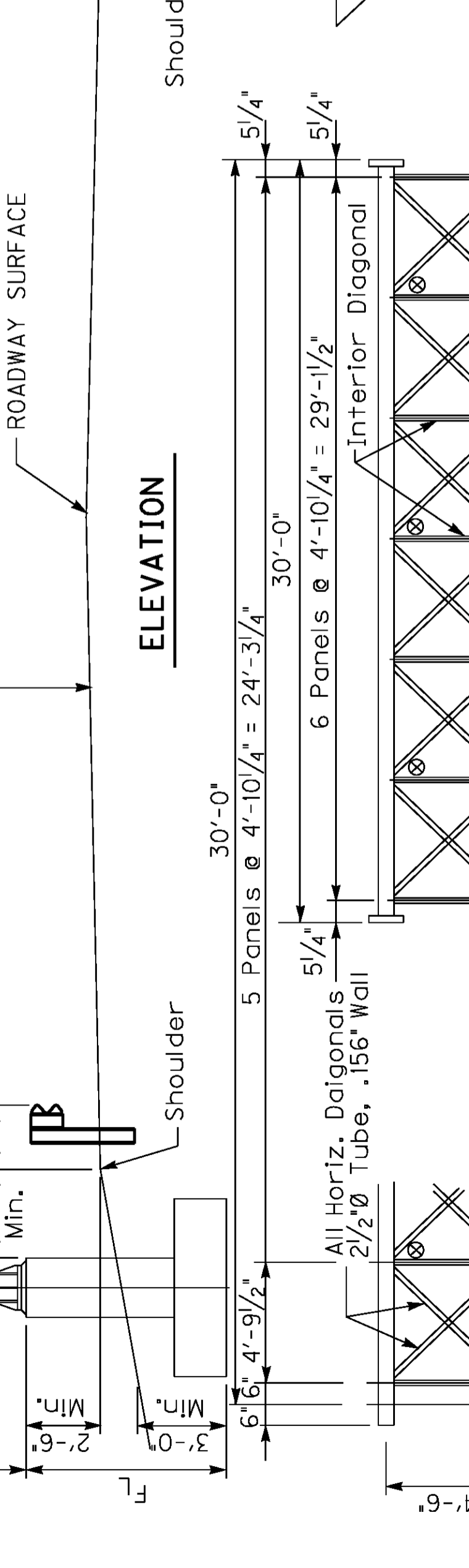
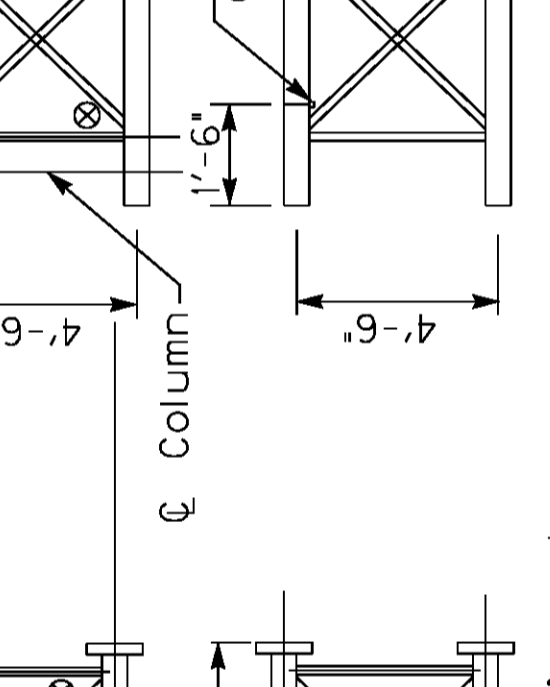
TYPICAL PANEL POINT DETAIL



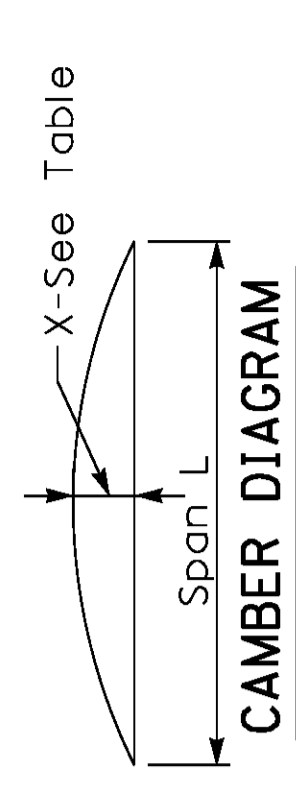
CHORD END DETAIL



WIRE OUTLET DETAIL



L	X
75	2 1/4"
80	2 1/2"
85	2 3/4"
90	3"
95	3 1/4"
100	3 1/2"
105	3 3/4"



DATE: Oct, 2011
 DESIGNED BY: Standard Sheet E. Kilgore
 CHECKED BY:
 DETAILED BY:
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY
WARREN
 ROUTE
I-65
 ITEM NUMBER
3-17.00
75'-105' OVERHEAD SIGN SUPPORT
 SHEET NO.
T107
 DRAWING NO.
 PREPARED BY
Division of Structural Design



CALL NO. 100

CONTRACT ID. 111341

WARREN COUNTY

FED/STATE PROJECT NUMBER NH 0651 (095)

DESCRIPTION I-65/US 231 INTERCHANGE

WORK TYPE GRADE, DRAIN & SURFACE WITH BRIDGE

PRIMARY COMPLETION DATE 5/31/2013

LETTING DATE: October 21, 2011

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME October 21, 2011. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

ROAD AND BRIDGE PLANS

DBE CERTIFICATION REQUIRED - 6%

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

CONTRACT ID - 111341

ADMINISTRATIVE DISTRICT - 03

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - WARREN
NH 0651 (095)

PCN - DE11400651141

I-65/US 231 INTERCHANGE RECONSTRUCT I-65/US 231 INTERCHANGE AT BOWLING GREEN, A DISTANCE
OF 3.35 MILES. GRADE, DRAIN & SURFACE WITH BRIDGE. SYP NO. 03-00017.00.
GEOGRAPHIC COORDINATES LATITUDE 36^56'05" LONGITUDE 86^25'05"

COMPLETION DATE(S):

COMPLETION DATE - May 31, 2013
ESTABLISHED FOR ENTIRE PROJECT

COMPLETION DATE - November 30, 2012
SEE SPECIAL NOTE

Warren Co. I-65/US 231 Interchange CID 11-1341

ADDENDUM TO SPECIAL NOTE FOR MECHANICALLY STABILIZED EARTH (MSE) WALL

The information in this addendum is in addition to that contained in the Special Note for Mechanically Stabilized (MSE) Wall. Where applicable, the requirements in the addendum will supersede the requirements in the body of the special note.

A1.0 Approved Wall Systems

- Reinforced Earth (Reinforced Earth and Retained Earth)
- VSL Retained Earth
- Hilfiker RSE
- Strengthened Earth Walls
- Keystone KeySystem I
- Tricon Retained Soil Wall System
- ISOGRID Retaining Wall System

Any wall system used must use inextensible reinforcement.

A2.0 Supplier's Representative

- A representative of the wall system supplier is required to be on site a minimum of two full days within the first week of MSE reinforced backfill construction to provide training and assistance to the contractor's personnel and project inspectors.
- A one-day minimum follow-up visit by the supplier's representative will be required within two weeks of the initial visit, or as approved by the Engineer, in order to monitor progress.
- After each on-site visit, the Contractor is required to submit a letter to the Resident Engineer written by the manufacturer's representative documenting the observations of each visit with documentation that the licensed professional engineer responsible for the design has reviewed the letter.

A3.0 Reinforced Fill Material

Use reinforced fill material consisting of quarry-processed limestone conforming to Section 805.12 of the Standard Specifications. The Contractor will be responsible for providing testing to verify that the material meets these requirements at no additional cost to the Department.

A4.0 Pile Isolation Sleeves

Isolate the piles within MSE reinforced fill material volume using either polyvinyl chloride (PVC) or corrugated metal pipe sleeves. Provide sleeves with a minimum inside diameter of 24 inches for HP 14x89 piles. If the contractor elects to provide a larger HP section, the minimum required inside diameter is 2 inches larger than the largest cross section dimension of the pile, (i.e. the flange tip diagonal dimension). These PVC or corrugated metal pile sleeves are in lieu of the prefabricated jacketed sleeves required on Sheet S15 in the bridge plans.

Provide PVC pipe sleeves which are a minimum schedule 40 grade and conform to Standard Specifications Section 810.06.01 B, or corrugated metal pipe sleeves which conform to Standard Specification Section 810.04.

As the result of requiring the PVC or corrugated metal pile sleeves it will not be necessary to consider horizontal loads from the bridge piles in the design of the MSE walls. However, the MSE wall designer must show the sleeves in the MSE wall plans.

Include the cost of all materials, labor, and equipment needed to provide and place the PVC or corrugated metal pile sleeves in the price per square foot for "Retaining Wall".

A5.0 Surcharge Live Loads

Use a two foot surcharge for both construction and traffic live loads. Contrary to Section 5.03 of the *Special Note for Mechanically Stabilized Earth (MSE) Wall*, a five foot surcharge traffic loading will not be required.

A6.0 MSE Wall Geotechnical Design Parameters

As stated in Section 2.01 and 5.01 of the *Special Note for Mechanically Stabilized Earth (MSE) Wall*, design using the AASHTO LRFD Bridge Design Specifications, Fifth Edition 2010. Use applicable load and/or resistance factors from AASHTO rather than the factors of safety provided in Section 6.01.

Check bearing at the service limit state using the allowable bearing capacity values provided in the special note and/or contract plan sheets. To check other conditions required by AASHTO when a nominal bearing resistance value is required, use a nominal bearing resistance equal to three times the allowable bearing capacity provided in the Special Note and/or contract plan sheets.

SPECIAL NOTE FOR COMPLETION DATES

Warren County Item No 3-17.00

A fixed completion date of May 31, 2013 is set for this project.

A milestone completion date of November 30, 2012 is set for the construction to be complete through Phase 6 of the Maintenance of Traffic Plans, with the exception of final surface on US 231, with liquidated damages in accordance to subsection 108.09 of the Standard Specifications.

02

Right-of-Way Certification Form

Revised 2/22/11

Federal Funded

Original

State Funded

Re-Certification

This form must be completed and submitted to FHWA with the PS&E package for federal-aid funded Interstate, Appalachia, and Major projects. This form shall also be submitted to FHWA for all federal-aid projects that fall under Conditions No. 2 or 3 outlined elsewhere in this form. When Condition No. 2 or 3 apply, KYTC shall resubmit this ROW Certification prior to construction contract Award. For all other federal-aid projects, this form shall be completed and retained in the KYTC project file.

Date: September 1, 2011

Project Name: Tenn State Line - Elizabethtown

Letting Date: October 21, 2011

Project #: 12F0 FD52 114 8022301R

County: Warren

Item #: 03-17.00

Federal #: NH 0651 (094)

Description of Project: Reconstruct I-65/US-231 (Scottsville Road) Interchange at Bowling Green.

Projects that require NO new or additional right-of-way acquisitions and/or relocations

The proposed transportation improvement will be built within the existing rights-of-way and there are no properties to be acquired, individuals, families, and businesses ("relocatees") to be relocated, or improvements to be removed as a part of this project.

Projects that require new or additional right-of-way acquisitions and/or relocations

Per 23 CFR 635.309, the KYTC hereby certify that all relocatees have been relocated to decent, safe, and sanitary housing or that KYTC has made available to relocatees adequate replacement housing in accordance with the provisions of the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program and that at least one of the following three conditions has been met. (Check those that apply.)

Condition 1. All necessary rights-of-way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Fair market value has been paid or deposited with the court.

Condition 2. Although all necessary rights-of-way have not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Trial or appeal of some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Fair market value has been paid or deposited with the court for most parcels. Fair market value for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract. (See note 1 below.)

Note 1: The KYTC shall re-submit a right-of-way certification form for this project prior to AWARD of all Federal-Aid construction contracts. Award must not to be made until after KYTC has obtained full legal possession and fair market value for all parcels has been paid or deposited with the court and FHWA has concurred in the re-submitted right-of-way certification.

Right-of-Way Certification Form

Revised 2/22/11


- Condition 3.** The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. However, all remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. The KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary rights-of-way will not be fully acquired, and/or some occupants will not be relocated, and/or the fair market value will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction. A full explanation and reason for this request, including identification of each such parcel and dates on which acquisitions, payments, and relocations will be completed, is attached to this certification form for FHWA concurrence. (See note 2.)

Note 2: The KYTC may request authorization on this basis only in unique and unusual circumstances. Proceeding to bid letting shall be the exception and never become the rule. In all cases, the KYTC shall make extraordinary efforts to expedite completion of the acquisition, payment for all affected parcels, and the relocation of all relocatees prior to AWARD of all Federal-Aid construction contracts or force account construction.

Approved:

Kelly R. Divine

Printed Name


Signature

Right-of-Way Supervisor

Approved:

DAVID L. ORR

Printed Name

 9/10/11
Signature

KYTC, Director of ROW & Utilities

Approved:

Steven Mills

Printed Name


Signature

FHWA, ROW Officer (when applicable)

Right-of-Way Certification Form

Revised 2/22/11

Date: September 1, 2011

Project Name: Tenn State Line - Elizabethtown
 Project #: 12F0 FD52 114 8022301R County: Warren
 Item #: 03-17.00 Federal #: NH 0651 (094)
 Letting Date: October 21, 2011

This project has 2 total number of parcels to be acquired, and 0 total number of individuals or families to be relocated, as well as 0 total number of businesses to be relocated.

- 2 Parcels where acquired by a signed fee simple deed and fair market value has been paid
- 0 Parcels have been acquired by IOJ through condemnation and fair market value has been deposited with the court
- 0 Parcels have not been acquired at this time (*explain below for each parcel*)
- 0 Parcels have been acquired or have a "right of entry" but fair market value has not been paid or has not been deposited with the court (*explain below for each parcel*)
- 0 Relocates have not been relocated from parcels _____, _____, _____, _____, _____, _____, and _____ (*explain below for each parcel*)

Parcel #	Name/Station	Explanation for delayed acquisition, delayed relocation, or delayed payment of fair market value	Proposed date of payment or of relocation

There are -0- billboards and/or -0- cemeteries involved on this project.

There are -0- water or monitoring wells on parcels _____, _____, _____, _____, and _____. All have been acquired and are the responsibility of the project contractor to close/cap.

Form Effective Date: April 1, 2006
Last Revised: February 22, 2011

General Decision Number: KY100214 10/07/2011 KY214

State: Kentucky

Construction Type: Highway

Counties: Allen, Ballard, Butler, Caldwell, Calloway, Carlisle, Christian, Crittenden, Daviess, Edmonson, Fulton, Graves, Hancock, Henderson, Hickman, Hopkins, Livingston, Logan, Lyon, Marshall, McCracken, McLean, Muhlenberg, Ohio, Simpson, Todd, Trigg, Union, Warren and Webster Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Modification Number	Publication Date
0	10/22/2010
1	01/28/2011
2	03/25/2011
3	04/01/2011
4	05/27/2011
5	06/03/2011
6	07/01/2011
7	07/08/2011
8	07/22/2011
9	07/29/2011
10	08/05/2011
11	08/12/2011
12	08/19/2011
13	09/16/2011
14	10/07/2011

BRIN0004-002 06/01/2011

BALLARD, BUTLER, CALDWELL, CARLISLE, CRITTENDEN, DAVIESS, EDMONSON, FULTON, GRAVES, HANCOCK, HENDERSON, HICKMAN, HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCRACKEN, MCLEAN, MUHLENBERG, OHIO, UNION, and WEBSTER COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 28.47	12.78

BRTN0004-005 05/01/2009

ALLEN, CALLOWAY, CHRISTIAN, LOGAN, SIMPSON, TODD, TRIGG, and WARREN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 24.52	1.83

CARP0357-002 07/01/2011

	Rates	Fringes
CARPENTER.....	\$ 25.95	13.22
Diver.....	\$ 39.30	13.22
PILEDRIVERMAN.....	\$ 26.20	13.22

ELEC0369-006 05/26/2010

BUTLER, EDMONSON, LOGAN, TODD & WARREN COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 29.27	13.08

ELEC0429-001 02/01/2010

ALLEN & SIMPSON COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 21.85	10.35

ELEC0816-002 06/01/2011

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN,
FULTON (Except a 5 mile radius of City Hall in Fulton), GRAVES,
HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 29.47	25.5%+5.35

Cable spicers receive \$.25 per hour additional.

ELEC1701-003 06/01/2010

DAVISS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO,
UNION & WEBSTER COUNTIES:

	Rates	Fringes
ELECTRICIAN		
Electrician.....	\$ 29.01	27.85%+5.34
Heilarc Welding; Cable		
Splicing.....	\$ 29.26	27.85%+5.34

ELEC1925-002 06/01/2009

FULTON COUNTY (Up to a 5 mile radius of City Hall in Fulton):

	Rates	Fringes
CABLE SPLICER.....	\$ 25.00	10.27
ELECTRICIAN.....	\$ 24.50	10.26

ENGI0181-017 07/01/2011

	Rates	Fringes
Operating Engineer:		
GROUP 1.....	\$ 26.50	13.00
GROUP 2.....	\$ 24.08	13.00
GROUP 3.....	\$ 24.46	13.00
GROUP 4.....	\$ 23.82	13.00

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - A-Frame Winch Truck; Auto Patrol; Backfiller; Batch Plant; Bituminous Paver; Bituminous Transfer Machine; Boom Cat; Bulldozer; Mechanic; Cableway; Carry-All Scoop; Carry Deck Crane; Central Compressor Plant; Cherry Picker; Clamshell; Concrete Mixer (21 cu. ft. or Over); Concrete Paver; Truck-Mounted Concrete Pump; Core Drill; Crane; Crusher Plant; Derrick; Derrick Boat; Ditching & Trenching Machine; Dragline; Dredge Operator; Dredge Engineer; Elevating Grader & Loaders; Grade-All; Guries; Heavy Equipment Robotics Operator/Mechanic; High Lift; Hoe-Type Machine; Hoist (Two or More Drums); Hoisting Engine (Two or More Drums); Horizontal Directional Drill Operator; Hydrocrane; Hyster; KeCal Loader; LeTourneau; Locomotive; Mechanic; Mechanically Operated Laser Screed; Mechanic Welder; Mucking Machine; Motor Scraper; Orangepeel Bucket; Overhead Crane; Piledriver; Power Blade; Pumpcrete; Push Dozer; Rock Spreader, attached to equipment; Rotary Drill; Roller (Bituminous); Rough Terrain Crane; Scarifier; Scoopmobile; Shovel; Side Boom; Subgrader; Tailboom; Telescoping Type Forklift; Tow or Push Boat; Tower Crane (French, German & other types); Tractor Shovel; Truck Crane; Tunnel Mining Machines, including Moles, Shields or similar types of Tunnel Mining Equipment

GROUP 2 - Air Compressor (Over 900 cu. ft. per min.); Bituminous Mixer; Boom Type Tamping Machine; Bull Float; Concrete Mixer (Under 21 cu. ft.); Dredge Engineer; Electric Vibrator; Compactor/Self-Propelled Compactor; Elevator (One Drum or Buck Hoist); Elevator (When used to Hoist Building Material); Finish Machine; Firemen & Hoist (One Drum); Flexplane; Forklift (Regardless of Lift Height); Form Grader; Joint Sealing Machine; Outboard Motor Boat; Power Sweeper (Riding Type); Roller (Rock); Ross Carrier; Skid Mounted or Trailer Mounted Concrete Pump; Skid Steer Machine with all Attachments; Switchman or Brakeman; Throttle Valve Person; Tractair & Road Widening Trencher; Tractor (50 H.P. or Over); Truck Crane Oiler; Tugger; Welding Machine; Well Points; & Whirley Oiler

GROUP 3 - All Off Road Material Handling Equipment, including Articulating Dump Trucks; Greaser on Grease Facilities servicing Heavy Equipment

GROUP 4 - Bituminous Distributor; Burlap & Curing Machine; Cement Gun; Concrete Saw; Conveyor; Deckhand Oiler; Grout Pump; Hydraulic Post Driver; Hydro Seeder; Mud Jack; Oiler; Paving Joint Machine; Power Form Handling Equipment; Pump; Roller (Earth); Steerman; Tamping Machine; Tractor (Under 50 H.P.); & Vibrator

CRANES - with booms 150 ft. & Over (Including JIB), and where the length of the boom in combination with the length of the piling equals or exceeds 150 ft. - \$1.00 above Group 1 rate

EMPLOYEES ASSIGNED TO WORK BELOW GROUND LEVEL ARE TO BE PAID 10% ABOVE BASIC WAGE RATE. THIS DOES NOT APPLY TO OPEN CUT WORK.

IRON0070-005 06/01/2011

BUTLER COUNTY (Eastern eighth, including the Townships of Decker, Lee & Tilford);
EDMONSON COUNTY (Northern three-fourths, including the Townships of Asphalt, Bee Spring, Brownsville, Grassland, Huff, Kyrock, Lindseyville, Mammoth Cave, Ollie, Prosperity, Rhoda, Sunfish & Sweden)

Rates Fringes

Ironworkers:

Structural; Ornamental;
Reinforcing; Precast
Concrete Erectors.....\$ 25.77 18.28

IRON0103-004 04/01/2011

DAVISS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, OHIO, UNION & WEBSTER COUNTIES
BUTLER COUNTY (Townships of Aberdeen, Bancock, Casey, Dexterville, Dunbar, Elfie, Gilstrap, Huntsville, Logansport, Monford, Morgantown, Provo, Rochester, South Hill & Welchs Creek);
CALDWELL COUNTY (Northeastern third, including the Township of Creswell);
CHRISTIAN COUNTY (Northern third, including the Townships of Apex, Crofton, Kelly, Mannington & Wynns);
CRITTENDEN COUNTY (Northeastern half, including the Townships of Grove, Mattoon, Repton, Shady Grove & Tribune);
MUHLENBERG COUNTY (Townships of Bavier, Beech Creek Junction, Benton, Brennen, Browder, Central City, Cleaton, Depoy, Drakesboro, Eunis, Graham, Hillside, Luzerne, Lynn City, Martwick, McNary, Millport, Moorman, Nelson, Paradise, Powderly, South Carrollton, Tarina & Weir)

Rates Fringes

Ironworkers:.....\$ 28.25 14.475

IRON0492-003 05/01/2009

ALLEN, LOGAN, SIMPSON, TODD & WARREN COUNTIES
BUTLER COUNTY (Southern third, including the Townships of Boston, Berrys Lick, Dimple, Jetson, Quality, Sharer, Sugar Grove & Woodbury);
CHRISTIAN COUNTY (Eastern two-thirds, including the Townships of Bennettstown, Caskey, Herndon, Hopkinsville, Howell,

Masonville, Pembroke & Thompsonville);
EDMONSON COUNTY (Southern fourth, including the Townships of
Chalybeate & Rocky Hill);
MUHLENBERG COUNTY (Southern eighth, including the Townships of
Dunnior, Penrod & Rosewood)

	Rates	Fringes
Ironworkers:.....	\$ 22.50	9.60

IRON0782-006 05/01/2011

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN,
LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES
CALDWELL COUNTY (Southwestern two-thirds, including the
Townships of Cedar Bluff, Cider, Claxton, Cobb, Crowtown,
Dulaney, Farmersville, Fredonia, McGowan, Otter Pond &
Princeton);
CHRISTIAN COUNTY (Western third, Excluding the Townships of
Apex, Crofton, Kelly, Mannington, Wynns, Bennettstown, Casky,
Herndon, Hopkinsville, Howell, Masonville, Pembroke &
Thompsonville);
CRITTENDEN COUNTY (Southwestern half, including the Townships
of Crayne, Dycusburg, Frances, Marion, Mexico, Midway,
Sheridan & Told)

	Rates	Fringes
Ironworkers:		
Projects with a total contract cost of		
\$20,000,000.00 or above.....	\$ 26.00	17.42
All Other Work.....	\$ 24.66	16.29

* LABO0189-005 07/01/2011

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN,
LIVINGSTON, LYON, MARSHALL & MCCRACKEN COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 20.38	11.28
GROUP 2.....	\$ 20.63	11.28
GROUP 3.....	\$ 20.68	11.28
GROUP 4.....	\$ 21.28	11.28

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement
Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter
Tender; Cement Mason Tender; Cleaning of Machines;
Concrete; Demolition; Dredging; Environmental - Nuclear,
Radiation, Toxic & Hazardous Waste - Level D; Flagperson;
Grade Checker; Hand Digging & Hand Back Filling; Highway
Marker Placer; Landscaping, Mesh Handler & Placer; Puddler;
Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail

& Fence Installer; Signal Person; Sound Barrier Installer;
Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper;
Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer);
Brickmason Tender; Mortar Mixer Operator; Scaffold Builder;
Burner & Welder; Bushhammer; Chain Saw Operator; Concrete
Saw Operator; Deckhand Scow Man; Dry Cement Handler;
Environmental - Nuclear, Radiation, Toxic & Hazardous Waste
- Level C; Forklift Operator for Masonary; Form Setter;
Green Concrete Cutting; Hand Operated Grouter & Grinder
Machine Operator; Jackhammer; Pavement Breaker; Paving
Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven
Georgia Buggy & Wheel Barrow; Power Post Hole Digger;
Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind
Trencher; Sand Blaster; Concrete Chipper; Surface
Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite
Operator & Mixer; Grout Pump Operator; Blaster; Side Rail
Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free
Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher;
Environmental - Nuclear, Radiation, Toxic & Hazardous Waste
- Levels A & B; Miner & Driller (Free Air); Tunnel Blaster;
& Tunnel Mucker (Free Air); Directional & Horizontal
Boring; Air Track Drillers (All Types); Powdermen &
Blasters; Troxler & Concrete Tester if Laborer is Utilized

* LABO0189-006 07/01/2011

ALLEN, BUTLER, CALDWELL, CHRISTIAN, DAVIESS, EDMONSON, HANCOCK,
HOPKINS, LOGAN, MCLEAN, MUHLENBERG, OHIO, SIMPSON, TODD, TRIGG
& WARREN COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 21.51	10.15
GROUP 2.....	\$ 21.76	10.15
GROUP 3.....	\$ 21.81	10.15
GROUP 4.....	\$ 22.41	10.15

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement
Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter
Tender; Cement Mason Tender; Cleaning of Machines;
Concrete; Demolition; Dredging; Environmental - Nuclear,
Radiation, Toxic & Hazardous Waste - Level D; Flagperson;
Grade Checker; Hand Digging & Hand Back Filling; Highway
Marker Placer; Landscaping, Mesh Handler & Placer; Puddler;
Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail
& Fence Installer; Signal Person; Sound Barrier Installer;
Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper;
Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer);

Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushhammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

LABO0561-001 07/01/2011

CRITTENDEN, HENDERSON, UNION & WEBSTER COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 20.61	11.05
GROUP 2.....	\$ 20.86	11.05
GROUP 3.....	\$ 20.91	11.05
GROUP 4.....	\$ 21.51	11.05

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushhammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven

Georgia Buggy & Wheel Barrow; Power Post Hole Digger;
Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind
Trencher; Sand Blaster; Concrete Chipper; Surface
Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite
Operator & Mixer; Grout Pump Operator; Blaster; Side Rail
Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free
Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher;
Environmental - Nuclear, Radiation, Toxic & Hazardous Waste
- Levels A & B; Miner & Driller (Free Air); Tunnel Blaster;
& Tunnel Mucker (Free Air); Directional & Horizontal
Boring; Air Track Drillers (All Types); Powdermen &
Blasters; Troxler & Concrete Tester if Laborer is Utilized

PAIN0032-002 05/01/2010

BALLARD COUNTY

	Rates	Fringes
Painters:		
Bridges.....	\$ 30.56	13.95
All Other Work.....	\$ 28.26	13.95
Spray, Blast, Steam, High & Hazardous (Including Lead Abatement) and All Epoxy - \$1.00 Premium		

PAIN0118-003 05/01/2010

EDMONSON COUNTY:

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 18.50	10.30
Spray, Sandblast, Power Tools, Waterblast & Steam Cleaning.....	\$ 19.50	10.30

PAIN0156-006 04/01/2010

DAVISS, HANCOCK, HENDERSON, MCLEAN, OHIO, UNION & WEBSTER
COUNTIES

	Rates	Fringes
Painters:		
BRIDGES		
GROUP 1.....	\$ 25.60	10.05
GROUP 2.....	\$ 25.85	10.05
GROUP 3.....	\$ 26.60	10.05
GROUP 4.....	\$ 27.60	10.05
ALL OTHER WORK:		
GROUP 1.....	\$ 25.60	11.30
GROUP 2.....	\$ 25.85	11.30
GROUP 3.....	\$ 26.60	11.30

GROUP 4.....\$ 27.60 11.30

PAINTER CLASSIFICATIONS

GROUP 1 - Brush & Roller

GROUP 2 - Plasterers

GROUP 3 - Spray; Sandblast; Power Tools; Waterblast;
Steamcleaning; Brush & Roller of Mastics, Creosotes, Kwinch
Koate & Coal Tar Epoxy

GROUP 4 - Spray of Mastics, Creosotes, Kwinch Koate & Coal
Tar Epoxy

PAIN0456-003 07/01/2011

ALLEN, BUTLER, LOGAN, MUHLENBERG, SIMPSON, TODD & WARREN
COUNTIES:

	Rates	Fringes
Painters:		
BRIDGES		
Brush & Roller.....	\$ 22.55	9.65
Spray; Sandblast; Power Tools; Waterblast & Steam Cleaning.....		
	\$ 23.55	9.65
ALL OTHER WORK		
Brush & Roller.....	\$ 17.55	9.65
Spray; Sandblast; Power Tools; Waterblast & Steam Cleaning.....		
	\$ 18.55	9.65

ALL OTHER WORK - HIGH TIME PAY
Over 35 feet (up to 100 feet) - \$1.00 above base wage
100 feet and over - \$2.00 above base wage

DURING SPRAY PAINTING AND SANDBLASTING OPERATIONS, POT
TENDERS SHALL RECEIVE THE SAME WAGE RATES AS THE SPRAY
PAINTER OR NOZZLE OPERATOR

PAIN0500-002 07/01/2011

CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON,
GRAVES, HICKMAN, HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCRACKEN
& TRIGG COUNTIES:

	Rates	Fringes
Painters:		
Bridges.....	\$ 25.25	11.55
All Other Work.....	\$ 19.00	11.55

Waterblasting units with 3500 PSI and above - \$.50 premium
Spraypainting and all abrasive blasting - \$1.00 premium
Work 40 ft. and above ground level - \$1.00 premium

PLUM0184-002 07/01/2011

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN,
FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN
and TRIGG COUNTIES

	Rates	Fringes
Plumber; Steamfitter.....	\$ 31.45	13.99

PLUM0502-004 08/01/2011

ALLEN, BUTLER, EDMONSON, SIMPSON & WARREN

	Rates	Fringes
Plumber; Steamfitter.....	\$ 31.00	16.13

PLUM0633-002 07/01/2011

DAVIESS, HANCOCK, HENDERSON, HOPKINS, LOGAN, MCLEAN,
MUHLENBERG, OHIO, TODD, UNION & WEBSTER COUNTIES:

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 29.22	12.65

TEAM0089-003 03/31/2008

	Rates	Fringes
Truck drivers:		
ALLEN, BUTLER, EDMONSON, LOGAN, SIMPSON & WARREN COUNTIES:		
Group 1.....	\$ 19.04	12.02
Group 2.....	\$ 19.37	12.02
Group 3.....	\$ 19.44	12.02
Group 4.....	\$ 19.45	12.02
Group 5.....	\$ 19.50	12.02
BALLARD, CALLOWAY, CALDWELL, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN, TODD & TRIGG COUNTIES:		
Group 1.....	\$ 23.89	4.15
Group 2.....	\$ 24.12	4.15
Group 3.....	\$ 24.19	4.15
Group 4.....	\$ 24.20	4.15
DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO, UNION & WEBSTER COUNTIES:		
Group 1.....	\$ 19.23	9.20
Group 2.....	\$ 19.46	9.20
Group 3.....	\$ 19.53	9.20

Group 4.....\$ 19.54 9.20

TRUCK DRIVER CLASSIFICATIONS FOR ALLEN, BUTLER, EDMONSON,
LOGAN, SIMPSON & WARREN COUNTIES

GROUP 1 - Greaser, Tire Changer

GROUP 2 - Truck Mechanic

GROUP 3 - Single Axle Dump; Flat Bed; all Terrain vehicles
when used to haul materials; Semi Trailer or Pole Trailer
when used to pull building materials and equipment; Tandem
Axle Dump; Driver of Distributors; Mixer All Types

GROUP 4 - Winch and A-Frame when used in transporting
materials; Ross Carrier; Fork Lift when used to transport
building materials; Driver on Pavement Breaker

GROUP 5 - Euclid and Other Heavy Earth Moving Equipment; Low
Boy; Articulator Cat; Five Axle Vehicle

TRUCK DRIVER CLASSIFICATIONS FOR BALLARD, CALLOWAY, CALDWELL,
CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN,
LIVINGSTON, LYON, MARSHALL, MCCRACKEN, TODD & TRIGG COUNTIES

GROUP 1 - Greaser; Tire Changer

GROUP 2 - Truck Mechanic

GROUP 3 - Single Axle Dump; Flat Bed; all Terrain Vehicles
when used to haul materials; Semi Trailer or Pole Trailer
when used to pull building materials and equipment; Tandem
Axle Dump; Driver of Distributors; Mixer All Types

GROUP 4 - Euclid and Other Heavy Earth Moving Equipment; Low
Boy; Articulator Cat; Five Axle Vehicle; Winch and A-Frame
when used in transporting materials; Ross Carrier

TRUCK DRIVER CLASSIFICATIONS FOR DAVIESS, HANCOCK, HENDERSON,
HOPKINS, MCLEAN, MUHLENBERG, OHIO, UNION & WEBSTER COUNTIES

GROUP 1 - Greaser, Tire Changer

GROUP 2 - Truck Mechanic

GROUP 3 - Single Axle Dump; Flat Bed; all Terrain Vehicle
when used to haul materials; Semi Trailer or Pole Trailer
when used to pull building materials and equipment; Tandem
Axle Dump; Driver of Distributors; Mixer All Types

GROUP 4 - Euclid and Other Heavy Earth moving Equipment;
Lowboy; Articulator Cat; 5 Axle Vehicle; Winch and A-Frame
when used in transporting materials; Ross Carrier; Fork
Lift when used to transport building materials; Driver on
Pavement Breaker

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Unlisted classifications needed for work not included within
the scope of the
classifications listed may be added after award only as
provided in the labor
standards contract clauses (29 CFR 5.5(a)(1)(ii)).

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In the listing above, the "SU" designation means that rates
listed under the
identifier do not reflect collectively bargained wage and
fringe benefit
rates. Other designations indicate unions whose rates have
been determined
to be prevailing.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can
be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on
a wage
determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests
for summaries
of surveys, should be with the Wage and Hour Regional Office
for the area in
which the survey was conducted because those Regional Offices
have
responsibility for the Davis-Bacon survey program. If the
response from this
initial contact is not satisfactory, then the process described
in 2.) and
3.) should be followed.

With regard to any other matter not yet ripe for the formal
process
described here, initial contact should be with the Branch of
Construction
Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7).

Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

These rates are listed pursuant to the Kentucky Determination No. CR-11-I-HWY dated August 04, 2011

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or the undersigned.

Ryan Griffith, Director
Division of Construction Procurement
Frankfort, Kentucky 40622

CONTRACT ID: 111341
COUNTY: WARREN
PROPOSAL: NH 0651 (095)

PAGE: 1
LETTING: 10/21/11
CALL NO: 100

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 PAVING						
0010	00001	DGA BASE	51,721.000	TON		
0020	00018	DRAINAGE BLANKET-TYPE II-ASPH	21,960.000	TON		
0030	00100	ASPHALT SEAL AGGREGATE	98.000	TON		
0040	00103	ASPHALT SEAL COAT	11.700	TON		
0050	00190	LEVELING & WEDGING PG64-22	2,823.000	TON		
0060	00205	CL3 ASPH BASE 1.50D PG64-22	9,195.000	TON		
0070	00208	CL4 ASPH BASE 1.50D PG64-22	26,439.000	TON		
0080	00212	CL2 ASPH BASE 1.00D PG64-22	7,368.000	TON		
0090	00214	CL3 ASPH BASE 1.00D PG64-22	4,719.000	TON		
0100	00219	CL4 ASPH BASE 1.00D PG76-22	13,048.000	TON		
0110	00309	CL2 ASPH SURF 0.50D PG64-22	1,359.000	TON		
0120	00312	CL3 ASPH SURF 0.50D PG64-22	2,229.000	TON		
0130	00335	CL4 ASPH SURF 0.50A PG76-22	6,172.000	TON		
SECTION 0002 ROADWAY						
0140	00078	CRUSHED AGGREGATE SIZE NO 2	11,579.000	TON		
0150	01000	PERFORATED PIPE-4 IN	21,988.000	LF		
0160	01010	NON-PERFORATED PIPE-4 IN	1,407.000	LF		
0170	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	(1.00)	LS		
0180	01020	PERF PIPE HEADWALL TY 1-4 IN	3.000	EACH		
0190	01028	PERF PIPE HEADWALL TY 3-4 IN	47.000	EACH		

CONTRACT ID: 111341
COUNTY: WARREN
PROPOSAL: NH 0651 (095)

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LETTING: 10/21/11
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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0200	01032	PERF PIPE HEADWALL TY 4-4 IN	20.000	EACH		
0210	01310	REMOVE PIPE	608.000	LF		
0220	01718	REMOVE INLET	11.000	EACH		
0230	01740	CORED HOLE DRAINAGE BOX CON-4 IN	5.000	EACH		
0240	01810	STANDARD CURB AND GUTTER	433.000	LF		
0250	01845	ISLAND INTEGRAL CURB	34.000	LF		
0260	01923	STANDARD BARRIER MEDIAN TYPE 5	2,935.000	SQYD		
0270	01946	MOUNTABLE MEDIAN TYPE 2A	62.000	SQYD		
0280	01982	DELINEATOR FOR GUARDRAIL-WHITE	32.000	EACH		
0290	01983	DELINEATOR FOR GUARDRAIL-YELLOW	31.000	EACH		
0300	01984	DELINEATOR FOR BARRIER-WHITE	156.000	EACH		
0310	01985	DELINEATOR FOR BARRIER-YELLOW	55.000	EACH		
0320	01992	INSTALL TEMP CONC MED BARR (REVISED: 10-19-11)	13,480.000	LF		
0330	02003	RELOCATE TEMP CONC BARRIER	21,500.000	LF		
0340	02014	BARRICADE-TYPE III	80.000	EACH		
0350	02081	JPC PAVEMENT-8 IN SHLD	67.000	SQYD		
0360	02091	REMOVE PAVEMENT	1,072.000	SQYD		
0370	02159	TEMP DITCH	10,000.000	LF		
0380	02223	GRANULAR EMBANKMENT	30,667.000	CUYD		
0390	02230	EMBANKMENT IN PLACE	166,357.000	CUYD		
0400	02242	WATER	3,350.000	MGAL		

CONTRACT ID: 111341
COUNTY: WARREN
PROPOSAL: NH 0651 (095)

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0410	02262	FENCE-WOVEN WIRE TYPE 1	578.000	LF		
0420	02351	GUARDRAIL-STEEL W BEAM-S FACE	1,675.000	LF		
0430	02360	GUARDRAIL TERMINAL SECTION NO 1	1.000	EACH		
0440	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.000	EACH		
0450	02369	GUARDRAIL END TREATMENT TYPE 2A	4.000	EACH		
0460	02381	REMOVE GUARDRAIL	5,352.000	LF		
0470	02391	GUARDRAIL END TREATMENT TYPE 4A	4.000	EACH		
0480	02397	TEMP GUARDRAIL	1,500.000	LF		
0490	02483	CHANNEL LINING CLASS II	262.000	TON		
0500	02545	CLEARING AND GRUBBING (33 ACRES)	(1.00)	LS		
0510	02562	SIGNS	1,500.000	SQFT		
0520	02585	EDGE KEY	9,265.000	LF		
0530	02599	FABRIC-GEOTEXTILE TYPE IV	55,889.000	SQYD		
0540	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	1,984.000	SQYD	2.00	3,968.00
0550	02625	REMOVE HEADWALL	31.000	EACH		
0560	02650	MAINTAIN & CONTROL TRAFFIC	(1.00)	LS		
0570	02651	DIVERSIONS (BY-PASS DETOURS) (BY-PASS DETOURS RAMP B SLIP RAMP	(1.00)	LS		
0580	02651	DIVERSIONS (BY-PASS DETOURS) (BY-PASS DETOURS RAMP D SLIP RAMP	(1.00)	LS		
0590	02653	LANE CLOSURE	3.000	EACH		
0600	02671	PORTABLE CHANGEABLE MESSAGE SIGN	8.000	EACH		
0610	02676	MOBILIZATION FOR MILL & TEXT	(1.00)	LS		

CONTRACT ID: 111341
COUNTY: WARREN
PROPOSAL: NH 0651 (095)

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0620	02677	ASPHALT PAVE MILLING & TEXTURING	1,142.000 TON		
0630	02690	SAFELoADING	57.000 CUYD		
0640	02720	SIDEWALK-4 IN CONCRETE	16.000 SQYD		
0650	02726	STAKING	(1.00) LS		
0660	02731	REMOVE STRUCTURE	(1.00) LS		
0670	02775	ARROW PANEL	2.000 EACH		
0680	02898	RELOCATE CRASH CUSHION	8.000 EACH		
0681	03171	CONCRETE BARRIER WALL TYPE 9T (ADDED: 10-19-11)	1,000.000 LF		
0690	03287	SIDEWALK RAMP TYPE 1	1.000 EACH		
0700	05950	EROSION CONTROL BLANKET	17,732.000 SQYD		
0710	05966	TOPDRESSING FERTILIZER	9.800 TON		
0720	05985	SEEDING AND PROTECTION	187,678.000 SQYD		
0730	05989	SPECIAL SEEDING CROWN VETCH	18,165.000 SQYD		
0740	05990	SODDING	584.000 SQYD		
0750	06417	FLEXIBLE DELINEATOR POST-W	218.000 EACH		
0760	06418	FLEXIBLE DELINEATOR POST-Y	54.000 EACH		
0770	06510	PAVE STRIPING-TEMP PAINT-4 IN	113,653.000 LF		
0780	06511	PAVE STRIPING-TEMP PAINT-6 IN	113,361.000 LF		
0790	06514	PAVE STRIPING-PERM PAINT-4 IN	21,089.000 LF		
0800	06516	PAVE STRIPING-PERM PAINT-8 IN	240.000 LF		
0810	06554	PAVE STRIPING-DUR TY 1-4 IN W	100.000 LF		

CONTRACT ID: 111341
COUNTY: WARREN
PROPOSAL: NH 0651 (095)

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LETTING: 10/21/11
CALL NO: 100

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0820	06556	PAVE STRIPING-DUR TY 1-6 IN W	53.000	LF		
0830	06557	PAVE STRIPING-DUR TY 1-6 IN Y	460.000	LF		
0840	06558	PAVE STRIPING-DUR TY 1-8 IN W	162.000	LF		
0850	06560	PAVE STRIPING-DUR TY 1-12 IN W	210.000	LF		
0860	06561	PAVE STRIPING-DUR TY 1-12 IN Y	214.000	LF		
0870	06568	PAVE MARKING-THERMO STOP BAR-24IN	439.000	LF		
0880	06570	PAVE MARKING-PAINT CROSS-HATCH	11,470.000	SQFT		
0890	06572	PAVE MARKING-DOTTED LANE EXTEN	4,098.000	LF		
0900	06574	PAVE MARKING-THERMO CURV ARROW	62.000	EACH		
0910	06576	PAVE MARKING-THERMO ONLY	7.000	EACH		
0920	06585	PAVEMENT MARKER TY IVA-MW TEMP	500.000	EACH		
0930	06586	PAVEMENT MARKER TY IVA-MY TEMP	500.000	EACH		
0940	06589	PAVEMENT MARKER TYPE V-MW	314.000	EACH		
0950	06590	PAVEMENT MARKER TYPE V-MY	153.000	EACH		
0960	06591	PAVEMENT MARKER TYPE V-BY	18.000	EACH		
0970	06592	PAVEMENT MARKER TYPE V-B W/R	372.000	EACH		
0980	06593	PAVEMENT MARKER TYPE V-B Y/R	86.000	EACH		
0990	08100	CONCRETE-CLASS A	16.580	CUYD		
1000	08150	STEEL REINFORCEMENT	552.000	LB		
1010	08905	CRASH CUSHION TY VI CLASS CT	9.000	EACH		
1020	10020NS	FUEL ADJUSTMENT	89,181.000	DOLL	1.00	89,181.00

CONTRACT ID: 111341
COUNTY: WARREN
PROPOSAL: NH 0651 (095)

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1030	10030NS	ASPHALT ADJUSTMENT	132,034.000	DOLL	1.00	132,034.00
1040	20099ES842	PAVE MARK TEMP PAINT STOP BAR	1,220.000	LF		
1050	20411ED	LAW ENFORCEMENT OFFICER	800.000	HOUR		
1060	20456NS835	INSTALL TEMP VIDEO CAMERA	17.000	EACH		
1070	21383ES508	CONC MEDIAN BARRIER TYPE 14C2(50)	368.000	LF		
1080	23131ER701	PIPELINE VIDEO INSPECTION	1,560.000	LF		
1090	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	(1.00)	LS		
1100	23158ES505	DETECTABLE WARNINGS	16.000	SQFT		
1110	23163ED	TEMPORARY SIGNAL MODIFICATION	12.000	EACH		
1120	23237EN10W	WATERBLAST STRIPE REMOVAL	27,000.000	LF		
1130	23274EN11F	TURF REINFORCEMENT MAT 1	2,396.000	SQYD		
1140	24189ER	DURABLE WATERBORNE MARKING-6 IN W	19,580.000	LF		
1150	24190ER	DURABLE WATERBORNE MARKING-6 IN Y	6,210.000	LF		
1160	24191ER	DURABLE WATERBORNE MARKING-12 IN W	4,660.000	LF		
1170	24388ES508	CONC MEDIAN BARRIER TYPE 14C1(50)	142.000	LF		
SECTION 0003 DRAINAGE						
1180	00462	CULVERT PIPE-18 IN	1,064.500	LF		
1190	00464	CULVERT PIPE-24 IN	169.000	LF		
1200	00466	CULVERT PIPE-30 IN	418.000	LF		
1210	00522	STORM SEWER PIPE-18 IN	1,059.800	LF		
1220	00524	STORM SEWER PIPE-24 IN	21.000	LF		

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1230	01450	S & F BOX INLET-OUTLET-18 IN	5.000	EACH		
1240	01451	S & F BOX INLET-OUTLET-24 IN	5.000	EACH		
1250	01452	S & F BOX INLET-OUTLET-30 IN	2.000	EACH		
1260	01456	CURB BOX INLET TYPE A	10.000	EACH		
1270	01480	CURB BOX INLET TYPE B	2.000	EACH		
1280	01490	DROP BOX INLET TYPE 1	1.000	EACH		
1290	01493	DROP BOX INLET TYPE 2	2.000	EACH		
1300	01511	DROP BOX INLET TYPE 5D	5.000	EACH		
1310	01643	JUNCTION BOX-24 IN	3.000	EACH		
1320	01756	MANHOLE TYPE A	1.000	EACH		
1330	21800EN	BORE AND JACK PIPE-30 IN	70.000	LF		
1340	23862EC	SILT TRAP TYPE B-PERM	9.000	EACH		
1350	24186EC	BORE AND JACK PIPE-36 IN	301.000	LF		
SECTION 0004 BRIDGE						
1360	02223	GRANULAR EMBANKMENT	5,539.000	CUYD		
1370	02231	STRUCTURE GRANULAR BACKFILL	6,221.000	CUYD		
1380	02599	FABRIC-GEOTEXTILE TYPE IV	1,702.000	SQYD		
1390	02998	MASONRY COATING	2,564.000	SQYD		
1400	03299	ARMORED EDGE FOR CONCRETE	580.000	LF		
1410	08001	STRUCTURE EXCAVATION-COMMON	22,602.000	CUYD		
1420	08018	RETAINING WALL	16,045.000	SQFT		

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1430	08033	TEST PILES	248.000 LF		
1440	08039	PRE-DRILLING FOR PILES	3,027.000 LF		
1450	08046	PILES-STEEL HP12X53	3,083.000 LF		
1460	08051	PILES-STEEL HP14X89	4,385.000 LF		
1470	08094	PILE POINTS-12 IN	153.000 EACH		
1480	08095	PILE POINTS-14 IN	101.000 EACH		
1490	08100	CONCRETE-CLASS A	912.300 CUYD		
1500	08104	CONCRETE-CLASS AA	2,084.000 CUYD		
1501	08130	MECHANICAL REINF COUPLER #5 (ADDED: 10-19-11)	8.000 EACH		
1502	08132	MECHANICAL REINF COUPLER #7 (ADDED: 10-19-11)	16.000 EACH		
1510	08150	STEEL REINFORCEMENT	113,812.000 LB		
1520	08151	STEEL REINFORCEMENT-EPOXY COATED	633,014.000 LB		
1530	08635	PRECAST PC I BEAM TYPE 6	6,044.000 LF		
1540	21532ED	RAIL SYSTEM TYPE III	555.000 LF		
SECTION 0005 SIGNING					
1541	02351	GUARDRAIL-STEEL W BEAM-S FACE (ADDED: 10-19-11)	200.000 LF		
1542	02369	GUARDRAIL END TREATMENT TYPE 2A (ADDED: 10-19-11)	1.000 EACH		
1543	02391	GUARDRAIL END TREATMENT TYPE 4A (ADDED: 10-19-11)	1.000 EACH		
1550	06400	GMSS GALV STEEL TYPE A	1,133.000 LB		
1560	06405	SBM ALUMINUM PANEL SIGNS (REVISED: 10-19-11)	5,314.000 SQFT		
1570	06406	SBM ALUM SHEET SIGNS .080 IN	270.000 SQFT		

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1580	06407	SBM ALUM SHEET SIGNS .125 IN	460.000 SQFT		
1590	06410	STEEL POST TYPE 1	920.000 LF		
1600	06411	STEEL POST TYPE 2	521.000 LF		
1610	06436	OSS ALUMINUM 75 FT TRUSS (REVISED: 10-19-11)	2.000 EACH		
1620	06441	GMSS GALV STEEL TYPE C	6,533.000 LB		
1630	06445	OSS ALUMINUM 90 FT TRUSS	1.000 EACH		
1640	06449	REM OVERHEAD SIGN SUPPORT STR (REVISED: 10-19-11)	4.000 EACH		
1650	06450	REM OVERHEAD STRUC CONC BASE (REVISED: 10-19-11)	4.000 EACH		
1660	06451	REMOVE SIGN SUPPORT BEAM	4.000 EACH		
1661	06455	OSS ALUMINUM 100 FT TRUSS (ADDED: 10-19-11)	1.000 EACH		
1670	06490	CLASS A CONCRETE FOR SIGNS (REVISED: 10-19-11)	159.750 CUYD		
1680	06491	STEEL REINFORCEMENT FOR SIGNS (REVISED: 10-19-11)	11,440.000 LB		
1690	20418ED	REMOVE & RELOCATE SIGNS	56.000 EACH		
1691	20591EC	REMOVE BARRIER (ADDED: 10-19-11)	121.000 LF		
1692	20681ND	ROADWAY CROSS SECTION (ADDED: 10-19-11)	4.000 EACH		
1700	21373ND	REMOVE SIGN	15.000 EACH		
1710	21596ND	GMSS TYPE D	52.000 EACH		
SECTION 0006 SIGNALIZATION					
1720	04793	CONDUIT-1 1/4 IN	415.000 LF		
1730	04795	CONDUIT-2 IN	375.000 LF		
1740	04797	CONDUIT-3 IN	85.000 LF		

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1750	04811	JUNCTION BOX TYPE B	10.000	EACH		
1760	04820	TRENCHING AND BACKFILLING	625.000	LF		
1770	04830	LOOP WIRE	5,500.000	LF		
1780	04844	CABLE-NO. 14/5C	7,135.000	LF		
1790	04850	CABLE-NO. 14/1 PAIR	3,275.000	LF		
1800	04873	POLE 45 FT WOODEN	1.000	EACH		
1810	04884	ANCHOR	2.000	EACH		
1820	04885	MESSENGER-10800 LB	975.000	LF		
1830	04886	MESSENGER-15400 LB	680.000	LF		
1840	04895	LOOP SAW SLOT AND FILL	2,045.000	LF		
1850	04931	INSTALL CONTROLLER TYPE 170	3.000	EACH		
1860	04932	INSTALL STEEL STRAIN POLE	11.000	EACH		
1870	04950	REMOVE SIGNAL EQUIPMENT	4.000	EACH		
1880	04953	TEMP RELOCATION OF SIGNAL HEAD	24.000	EACH		
1890	20093NS835	INSTALL PEDESTRIAN HEAD-LED	16.000	EACH		
1900	20188NS835	INSTALL LED SIGNAL-3 SECTION	25.000	EACH		
1910	20266ES835	INSTALL LED SIGNAL- 4 SECTION	8.000	EACH		
1920	20390NS835	INSTALL COORDINATING UNIT	3.000	EACH		
1930	20392NS835	JUNCTION BOX TYPE C	2.000	EACH		
1940	21543EN	BORE AND JACK CONDUIT	85.000	LF		
1950	21743NN	INSTALL PEDESTRIAN DETECTOR	16.000	EACH		

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1960	23157EN	TRAFFIC SIGNAL POLE BASE	57.700	CUYD		
1970	23222EC	INSTALL SIGNAL PEDESTAL	2.000	EACH		
1980	24365EC	RADAR PRESENCE DETECTOR TYPE A	4.000	EACH		
SECTION 0007 LIGHTING						
1990	04714	POLE 120 FT MTG HT HIGH MAST	7.000	EACH		
2000	04740	POLE BASE	2.000	EACH		
2010	04761	LIGHTING CONTROL EQUIPMENT	2.000	EACH		
2020	04773	HPS LUMINAIRE HIGH MAST	42.000	EACH		
2030	04795	CONDUIT-2 IN	2,600.000	LF		
2040	04797	CONDUIT-3 IN (REVISED: 10-19-11)	1,125.000	LF		
2050	04800	MARKER	16.000	EACH		
2060	04820	TRENCHING AND BACKFILLING	5,850.000	LF		
2070	04860	CABLE-NO. 8/3C DUCTED	2,350.000	LF		
2080	04861	CABLE-NO. 6/3C DUCTED	5,600.000	LF		
2081	04863	CABLE-NO. 2/3C DUCTED (ADDED: 10-19-11)	6,210.000	LF		
2090	04940	REMOVE LIGHTING	(1.00)	LS		
2100	04941	REMOVE POLE BASE	2.000	EACH		
2110	04942	REMOVE STORE & REINSTALL POLE	2.000	EACH		
2120	20211ES706	BORE & JACK PIPE	515.000	LF		
2130	20391NS835	JUNCTION BOX TYPE A	1.000	EACH		
2140	20392NS835	JUNCTION BOX TYPE C	8.000	EACH		

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2141	20410ED	MAINTAIN LIGHTING (ADDED: 10-19-11)	(1.00)	LS		
2150	21065ND	MODEL 334 ENCLOSURE	1.000	EACH		
2160	21069ND	SURGE DEVICE 120 VOLT	1.000	EACH		
2170	21071ND	DATA SURGE DEVICE	6.000	EACH		
2180	21076ND	FIBER TERMINATION RACK	3.000	EACH		
2190	21077ED	FIBER OPTIC CABLE	2,600.000	LF		
2200	21458ND	FIBER TRANSCEIVER SIGN	3.000	EACH		
2210	21489ND	RACK MOUNTED UPS	1.000	EACH		
2220	22403NN	WEB CAMERA ASSEMBLY	1.000	EACH		
2230	23022NN	INSTALL HIGH MAST CONTROL CABLE	1.000	EACH		
2240	23023NN	RETROFIT HIGH MAST LOWERING DEVICE	1.000	EACH		
2250	23161EN	POLE BASE-HIGH MAST	69.000	CUYD		
2260	23365EC	LIGHTING-NAV MONITORING SYSTEM	(1.00)	LS		
2270	23944EC	ADVANCED GROUNDING SYSTEM	1.000	EACH		
SECTION 0008 TRAINEES						
2280	02742	TRAINEE PAYMENT REIMBURSEMENT 1 CEMENT MASON	1,200.000	HOUR		
SECTION 0009 MOBILIZATION / DEMOBILIZATION						
2290	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
2300	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
TOTAL BID						