01-17-2025 LETTING ITEM 071

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	1
	ILLINOIS	CONTRACT NO. 70G85		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

ROUTE VARIES
SECTION: D5 ITS 2025-1
DYNAMIC MESSAGE SIGN INSTALLATIONS
MCLEAN COUNTY

C-95-069-23

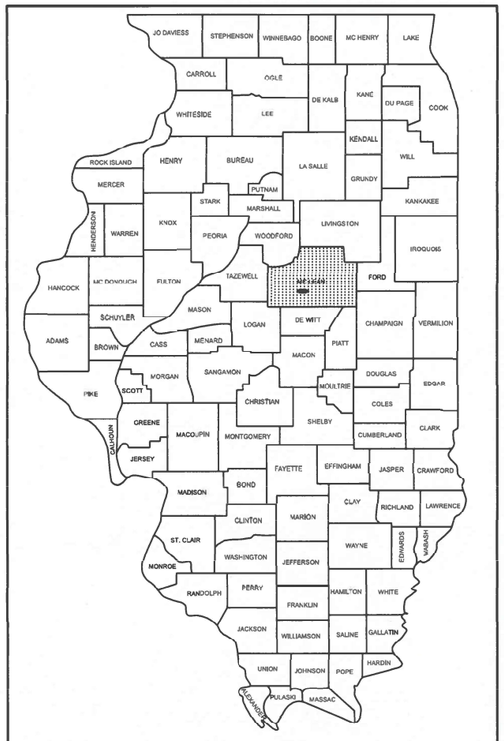
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

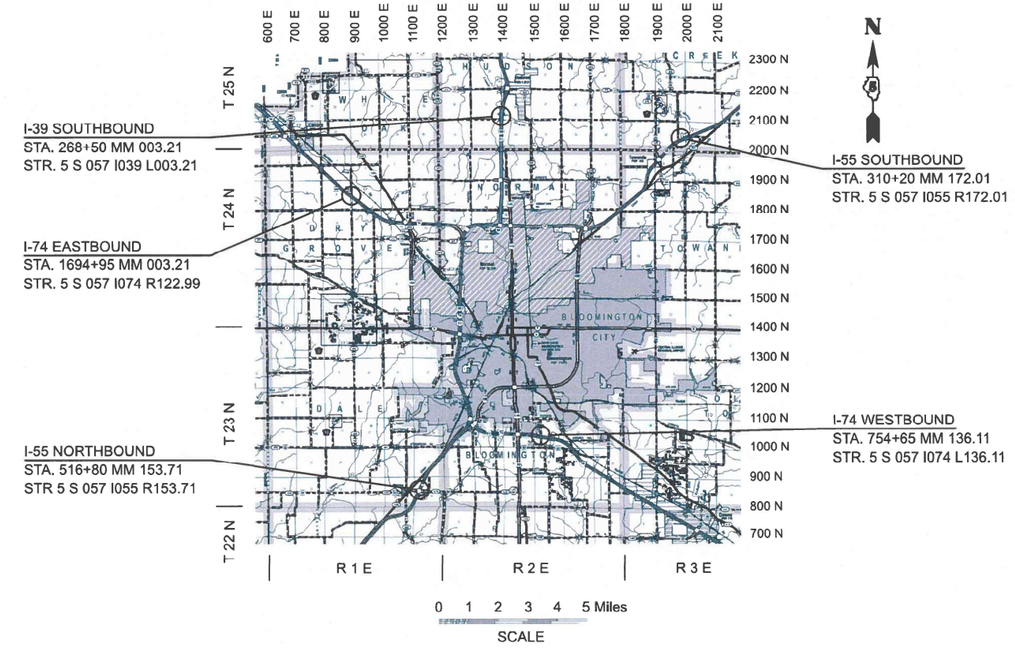
TOWNSHIPS

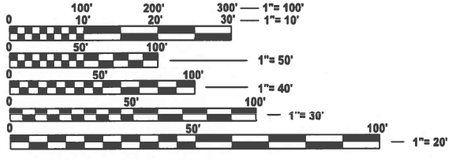
BLOOMINGTON
DALE
DRY GROVE
HUDSON
MONEY CREEK

D-95-036-23



LOCATION OF SECTION INDICATED THUS: -





FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JEFFERY L. ALLEN
PROJECT MANAGER: ROGER D. BIGGS
TELEPHONE: (217)465-4181

CONTRACT NO. 70G85

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10/16 20 24

Kevin A. Howarth
REGIONAL ENGINEER

December 6, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

G.N.-100A

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION
INCLUDING CADD
FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

NOTES PLAN SHEET GENERAL

1. CONNECTIONS TO FIBER OPTIC NETWORKS AT LOCATIONS SHOWN IN THE PLANS SHALL BE DONE BY OTHERS. A MINIMUM OF 50 FT. OF FIBER OPTIC CABLE SLACK SHALL BE COILED IN THE HANDHOLE INDICATED FOR FOR FUTURE CONNECTION.

2. ALL PROPOSED HANDHOLES SHALL BE LOCATED BY THE ENGINNER.

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY / EXPRESSWAY
701428-01	LANE CLOSURE, FREEWAY / EXPRESSWAY
701901-10	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLE
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >/= 45 MPH

INDEX OF SHEETS

MODEL: Gen Notes [Sheet]
FILE NAME: c:\pw_workpw\dotfprojects\d0882253\D570G85-Sht-GenNotes.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS,
LIST OF HIGHWAY STANDARDS & GENERAL NOTES

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	2
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

REV. 12/19/24 REV. 12/9/24

Summary of Quantities (1 of 3)

LOCATION OF WORK:	LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5
	FAI 74 (WB)	FAI 55 (NB)	FAI 74 (EB)	FAI 39 (SB)	FAI 55 (SB)
	5 S 057 I074 L136.11	5 S 057 I055 R153.71	5 S 057 I074 R122.99	5 S 057 I039 L003.21	5 S 057 I055 L172.01
COUNTY:	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN
	RURAL	RURAL	RURAL	RURAL	RURAL
FUNDING BREAKOUT:	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
CONSTRUCTION TYPE CODE:	0021	0021	0021	0021	0021

	CODE NO.		ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
	20400800		FURNISHED EXCAVATION	CU YD	75.0	2.0	23.0	21.0	6.0	23.0
	25000210		SEEDING, CLASS 2A	ACRE	0.50	0.02	0.14	0.14	0.06	0.14
	25000400		NITROGEN FERTILIZER NUTRIENT	POUND	47.0	2.0	13.0	13.0	6.0	13.0
	25000500		PHOSPHORUS FERTILIZER NUTRIENT	POUND	47.0	2.0	13.0	13.0	6.0	13.0
	25000600		POTASSIUM FERTILIZER NUTRIENT	POUND	47.0	2.0	13.0	13.0	6.0	13.0
	25100115		MULCH, METHOD 2	ACRE	0.50	0.02	0.14	0.14	0.06	0.14
*	63000001		STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2325.0	37.5	500.0	625.0	612.5	550.0
*	63100045		TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	13.0	1.0	3.0	3.0	3.0	3.0
*	63100167		TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	13.0	1.0	3.0	3.0	3.0	3.0
	63200310		GUARDRAIL REMOVAL	FOOT	697.0	175.0	-	212.0	-	310.0
	67100100		MOBILIZATION	L SUM	1.0	0.2	0.2	0.2	0.2	0.2
	70100420		TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2.0	-	1.0	1.0	-	-
	70100800		TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0	0.2	0.2	0.2	0.2	0.2
	70107025		CHANGEABLE MESSAGE SIGN	CAL DA	35.0	7.0	7.0	7.0	7.0	7.0
* DENOTES SPECIALTY ITEM										

MODEL: SOQ 1 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-SOQ.dgn

USER NAME = roger.biggs	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/16/2024	DATE -	REVISED -	

SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	3
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

REV. 12/9/24

Summary of Quantities (2 of 3)

LOCATION OF WORK:	LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5
	FAI 74 (WB)	FAI 55 (NB)	FAI 74 (EB)	FAI 39 (SB)	FAI 55 (SB)
	5 S 057 I074 L136.11	5 S 057 I055 R153.71	5 S 057 I074 R122.99	5 S 057 I039 L003.21	5 S 057 I055 L172.01
COUNTY:	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN
	RURAL	RURAL	RURAL	RURAL	RURAL
FUNDING BREAKOUT:	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
CONSTRUCTION TYPE CODE:	0021	0021	0021	0021	0021

	CODE NO.		ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
	70200100		NIGHTTIME WORK ZONE LIGHTING	L SUM	1.0	0.2	0.2	0.2	0.2	0.2
*	72501000		TERMINAL MARKER - DIRECT APPLIED	EACH	13.0	1.0	3.0	3.0	3.0	3.0
	73300300		OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	313.0	73.0	60.0	60.0	60.0	60.0
	73301810		OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	100.0	20.0	20.0	20.0	20.0	20.0
*	73400200		DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	110.3	22.3	22.0	22.1	22.0	21.9
	73600100		REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	5.0	1.0	1.0	1.0	1.0	1.0
	73700300		REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	20.0	4.0	4.0	4.0	4.0	4.0
*	78200005		GUARDRAIL REFLECTORS, TYPE A	EACH	49.0	1.0	12.0	12.0	12.0	12.0
	80500100		SERVICE INSTALLATION, TYPE A	EACH	5.0	1.0	1.0	1.0	1.0	1.0
	81028350		UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1734.0	114.0	744.0	167.0	426.0	283.0
	81100600		CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	90.0	18.0	18.0	18.0	18.0	18.0
	81400100		HANDHOLE	EACH	2.0	-	1.0	-	1.0	-
	84500120		REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	5.0	1.0	1.0	1.0	1.0	1.0
	87300901		ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	394.0	37.0	48.0	29.0	232.0	48.0
* DENOTES SPECIALTY ITEM										

MODEL: SOQ 2 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-SOQ.dgn

USER NAME = roger.biggs	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	4
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

REV. 12/9/24

Summary of Quantities (3 of 3)

LOCATION OF WORK:	LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5
	FAI 74 (WB)	FAI 55 (NB)	FAI 74 (EB)	FAI 39 (SB)	FAI 55 (SB)
	5 S 057 I074 L136.11	5 S 057 I055 R153.71	5 S 057 I074 R122.99	5 S 057 I039 L003.21	5 S 057 I055 L172.01
COUNTY:	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN
	RURAL	RURAL	RURAL	RURAL	RURAL
FUNDING BREAKOUT:	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
CONSTRUCTION TYPE CODE:	0021	0021	0021	0021	0021

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	1451.0	95.0	725.0	141.0	228.0	262.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1476.0	108.0	728.0	144.0	231.0	265.0
87900200	DRILL EXISTING HANDHOLE	EACH	4.0	1.0	-	1.0	1.0	1.0
X0323920	POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	5.0	1.0	1.0	1.0	1.0	1.0
X0323923	SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	1.0	0.2	0.2	0.2	0.2	0.2
X0325185	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	5.0	1.0	1.0	1.0	1.0	1.0
X0326905	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	5.0	1.0	1.0	1.0	1.0	1.0
X1400459	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	5.0	1.0	1.0	1.0	1.0	1.0
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	6.0	-	2.0	2.0	-	2.0
X8100105	CONDUIT SPLICE	EACH	1.0	-	1.0	-	-	-
X8302135	WOOD POLE, 35 FT, CLASS 4	EACH	5.0	1.0	1.0	1.0	1.0	1.0
X8710036	FIBER OPTIC CABLE IN CONDUIT, 12 FIBERS, SINGLE MODE	FOOT	4120.0	1183.0	848.0	79.0	326.0	1684.0
X8710071	FIBER OPTIC FUSION SPLICE	EACH	10.0	2.0	2.0	2.0	2.0	2.0
X8710103	ETHERNET SWITCH	EACH	5.0	1.0	1.0	1.0	1.0	1.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	0.2	0.2	0.2	0.2	0.2

MODEL: SOQ 3 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-SOQ.dgn

USER NAME = Bridgette.Pierson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/16/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

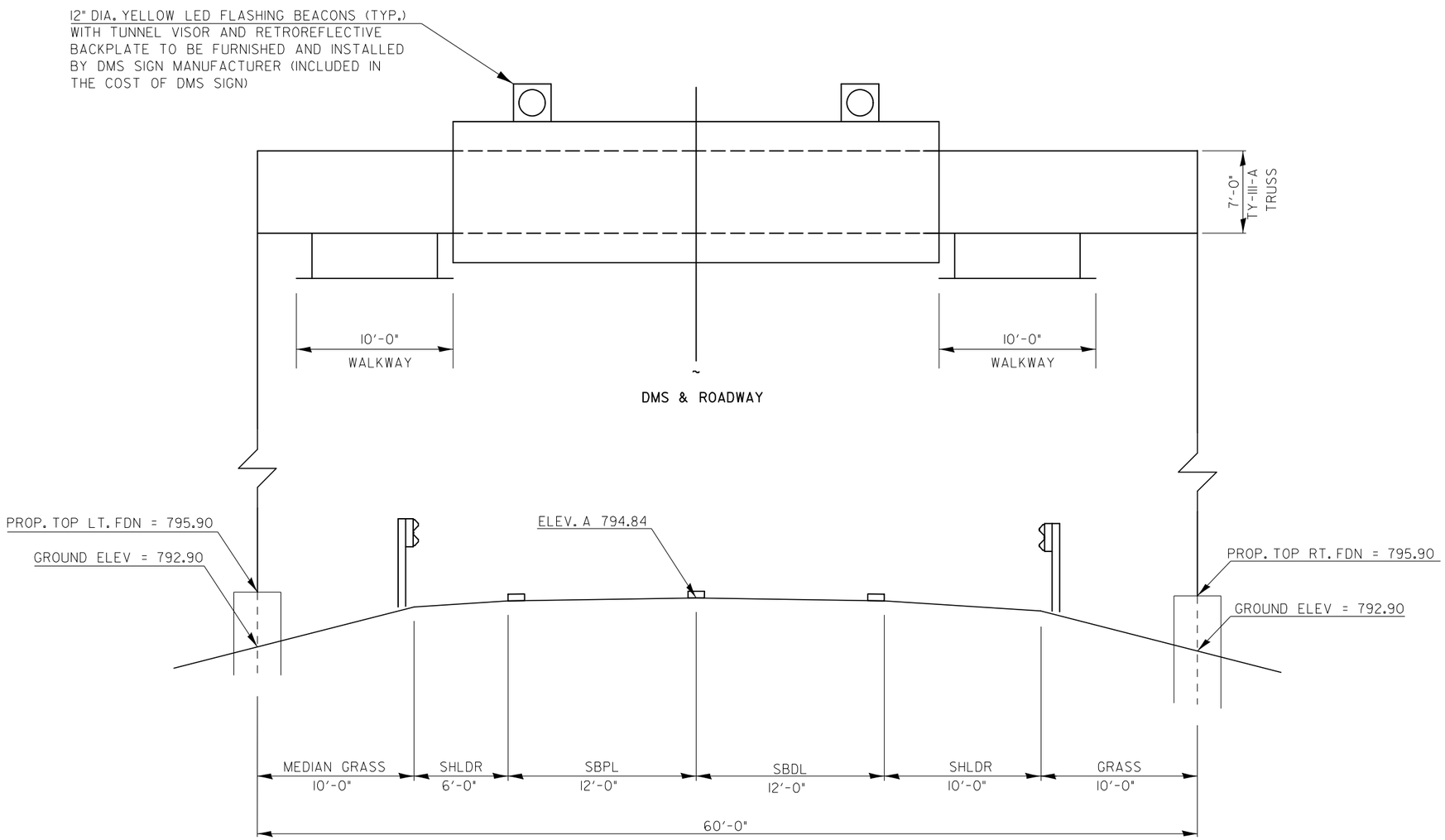
SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	5
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

REV. 12/19/24

SIGN TRUSS MOUNTING DETAIL
5 S 057 I039 L003.21



TEMPORARY BENCHMARK #4 = MAG NAIL OUTSIDE SHOULDER SOUTH BOUND LANE = 794.49

MODEL: 5 S 057 I039 L003.21 Sign Truss Mounting Detail
FILE NAME: c:\pw_work\pwidot\projects\d0822253\D570G85-SIH-DMS_Details.dgn

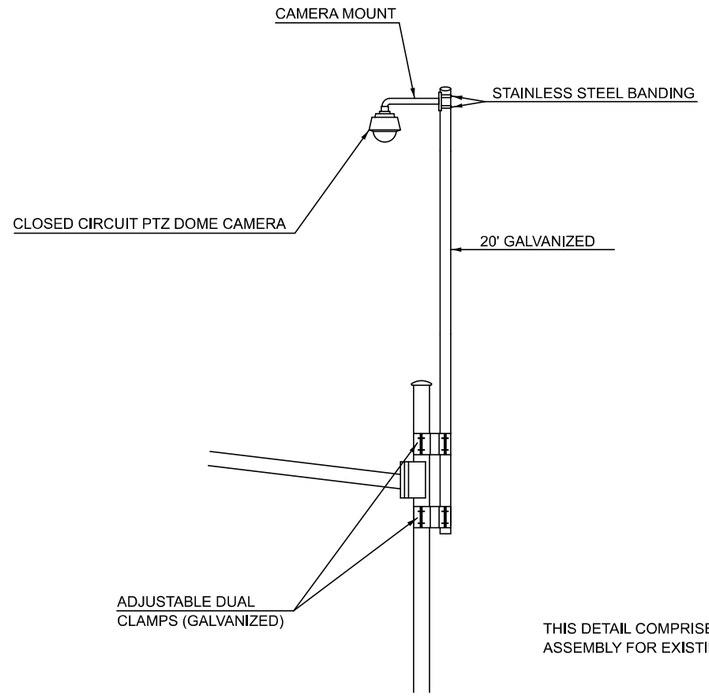
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

SIGN TRUSS MOUNTING DETAIL
5 S 057 I039 L003.21

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	6
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

Structure No.	5 S 057 I039 L003.21		
Location	I-39 SB - mile marker 003.21 - N of Normal		
CODE NUMBER	PAY ITEM	UNIT	QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	6.0
25000210	SEEDING, CLASS 2A	ACRE	0.06
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	6.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	6.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	6.0
25100115	MULCH, METHOD 2	ACRE	0.06
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	612.5
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3.0
67100100	MOBILIZATION	L SUM	0.2
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	7.0
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	0.2
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3.0
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	60.0
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	20.0
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	22.0
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1.0
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	4.0
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12.0
80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	426.0
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	18.0
81400100	HANDHOLE	EACH	1.0
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1.0
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	232.0
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	228.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	231.0
87900200	DRILL EXISTING HANDHOLE	EACH	1.0
X0323920	POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	1.0
X0323923	SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	0.2
X1400006	FIBER OPTIC CABLE IN CONDUIT, 12 FIBERS, SINGLE MODE	FOOT	326.0
X1400459	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	1.0
X7010242	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	1.0
X8302135	WOOD POLE, 35 FT, CLASS 4	EACH	1.0
X8710071	FIBER OPTIC FUSION SPLICE	EACH	2.0
X8710103	ETHERNET SWITCH	EACH	1.0



THIS DETAIL COMPRISES A CAMERA MOUNT ASSEMBLY FOR EXISTING LIGHTING STANDARD

CAMERA MOUNTING ASSEMBLY DETAIL

(FOR STANDARD MAST ARM POLE MOUNT, LIGHT STANDARD & DMS STRUCTURE)

MODEL: 83 Bill of Materials [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-Bill_of_Materials.dgn

USER NAME = Bridgette.Pierson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS & CAMERA MOUNTING ASSEMBLY DETAIL
5 S 057 I039 L003.21

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D5 ITS 2025-1	MCLEAN	34	7
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

S.N. 5 S 057 I039 L003.21

GUARDRAIL SCHEDULE

LOCATION		STATION	TO	STATION	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT. POSTS (FT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPL) TANGENT (EACH)	72501000 TERMINAL MARKER DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTOR, TYPE A (EACH)
S.B.	D.L. SHLDR	268+24.70		268+37.20		1.0			
S.B.	D.L. SHLDR	268+37.20		268+62.20	25.0				
S.B.	D.L. SHLDR	268+62.20		269+99.70	137.5				4.0
S.B.	D.L. SHLDR	269+99.70		270+49.70			1.0	1.0	
S.B.	P.L. SHLDR	268+24.70		268+37.20		1.0			
S.B.	P.L. SHLDR	268+37.20		268+62.20	25.0				
S.B.	P.L. SHLDR	268+62.20		270+49.70	187.5				4.0
S.B.	P.L. SHLDR	270+49.70		270+99.70			1.0	1.0	
N.B.	P.L. SHLDR	265+19.50		265+69.50			1.0	1.0	
N.B.	P.L. SHLDR	265+69.50		267+82.00	212.5				4.0
N.B.	P.L. SHLDR	267+82.00		268+07.00	25.0				
N.B.	P.L. SHLDR	268+07.00		268+19.50		1.0			
				TOTAL =	612.5 (FT)	3.0 (EACH)	3.0 (EACH)	3.0 (EACH)	12.0 (EACH)

NOTES:
1) GUARDRAIL POSTS WILL BE DRIVEN INTO AGGREGATE SHOULDERS AND/OR EARTH EMBANKMENT.
2) PER BDE POLICY DATED NOVEMBER 2021, 25 FT. OF GUARDRAIL SHALL BE INSTALLED PAST THE LENGTH OF NEED ON THE DEPARTURE END PRIOR TO THE INSTALLATION OF THE TRAFFIC BARRIER TERMINAL, TYPE 2.

DYNAMIC MESSAGE SIGN STRUCTURE

I-39 SB - MM L003.21

STRUCTURE NO.

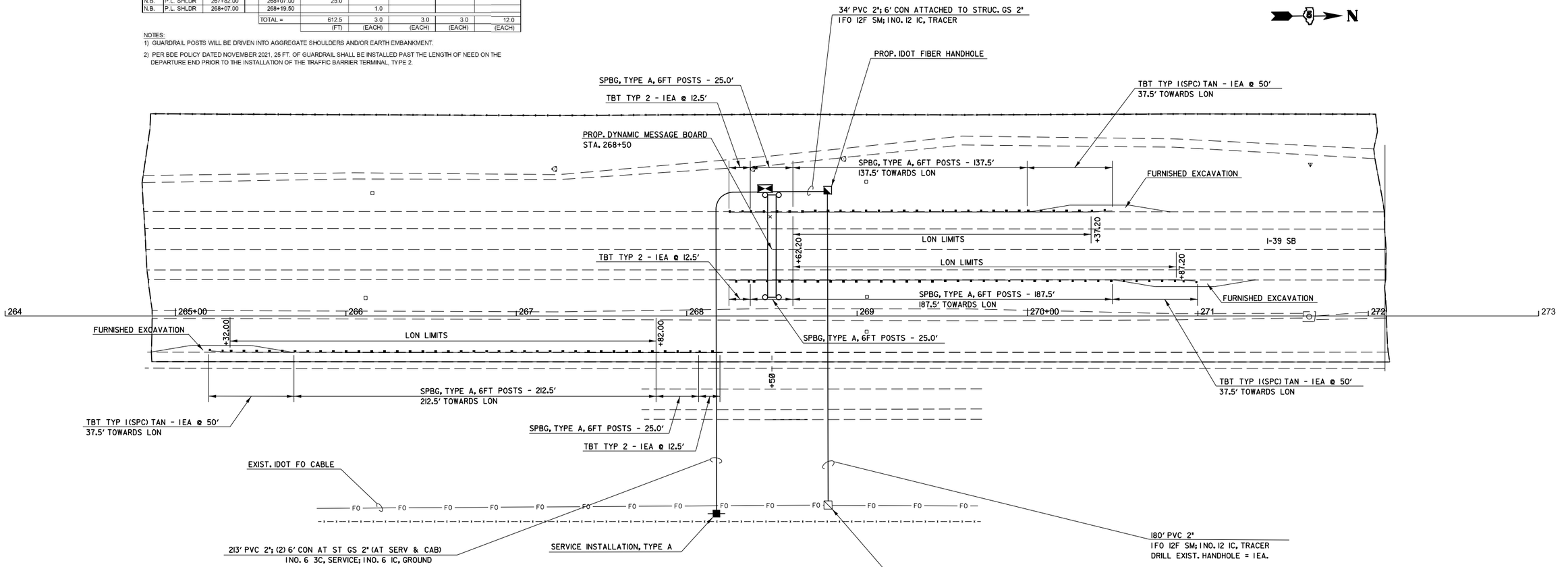
5 S 057 I039 L003.21

1"=30'

0' 15' 30' 60' 90'

SITE PLAN

N



GUARDRAIL NOTES:
LON = LENGTH OF NEED
SPBG = STEEL PLATE BEAM GUARDRAIL, TYPE A, 6FT POSTS
TBT TYP 1(SPC) TAN = TRAFFIC BARRIER TERMINAL TYPE 1(SPECIAL) TANGENT
TBT TYP 2 = TRAFFIC BARRIER TERMINAL, TYPE 2

S.N. 5 S 057 I039 L003.21

EARTHWORK AND SEEDING SCHEDULE

LOCATION		STATION	TO	STATION	20400800 FURNISHED EXCAVATION (CU YD)	25000210 SEEDING, CLASS 2A (ACRE)	25000400 NITROGEN FERTILIZER NUTRIENT (LB)	25000500 PHOSPHORUS FERTILIZER NUTRIENT (LB)	25000600 POTASSIUM FERTILIZER NUTRIENT (LB)	25100115 MULCH METHOD 2 (ACRE)
N.B.	P.L. SHLDR	264+85.50		265+68.50	2.0	0.02	1.8	1.8	1.8	0.02
S.B.	D.L. SHLDR	270+00.70		270+83.70	2.0	0.02	1.8	1.8	1.8	0.02
S.B.	P.L. SHLDR	270+50.70		271+33.70	2.0	0.02	1.8	1.8	1.8	0.02
				TOTAL =	6.0	0.06	5.4	5.4	5.4	0.06
				USE =	6.0	0.06	6.0	6.0	6.0	0.06
					(CU YD)	(ACRE)	(LB)	(LB)	(LB)	(ACRE)

MODEL: Plan Sheets - 83-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-SH-DMS.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - DMS STR. NO. 5 S 057 I039 L003.21

SCALE: 1" = 30' | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	8
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

EXISTING OVERHEAD MESSAGE SIGN REMOVAL

I-39 SB - MM L003.92

STRUCTURE NO.

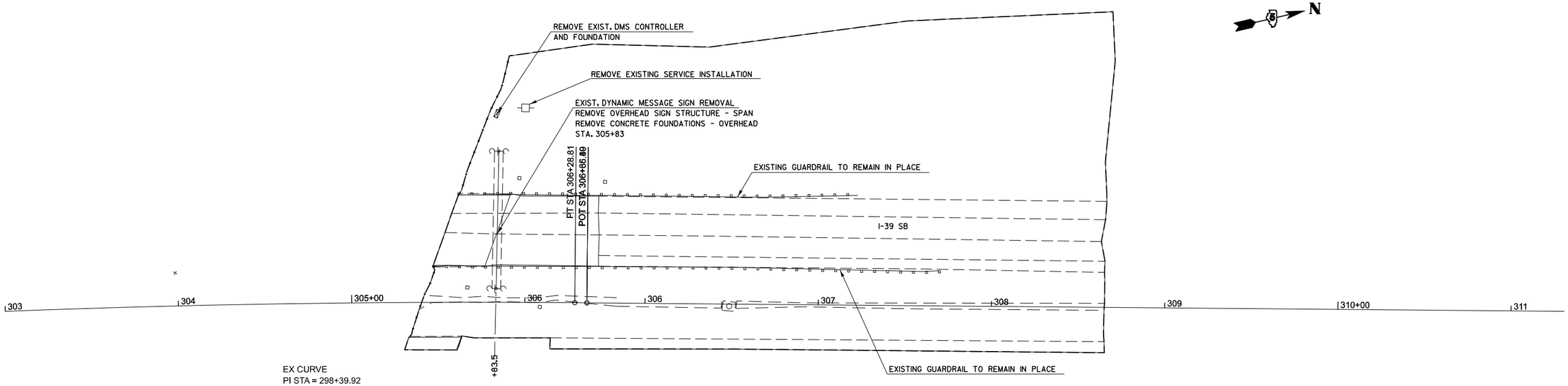
5 S 057 I039 L003.92

1"=30'

0' 15' 30' 60' 90'

SITE PLAN

N



EX CURVE
PI STA = 298+39.92
Δ = 13°15'55" (RT)
D = 00°50'13"
R = 6,845.55'
T = 796.01'
L = 1584.90'
E = 46.13'
e = ____
PC STA = 290+43.91
PT STA = 306+28.81

MODEL: Plan Sheets - 83-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-DMS.dgn

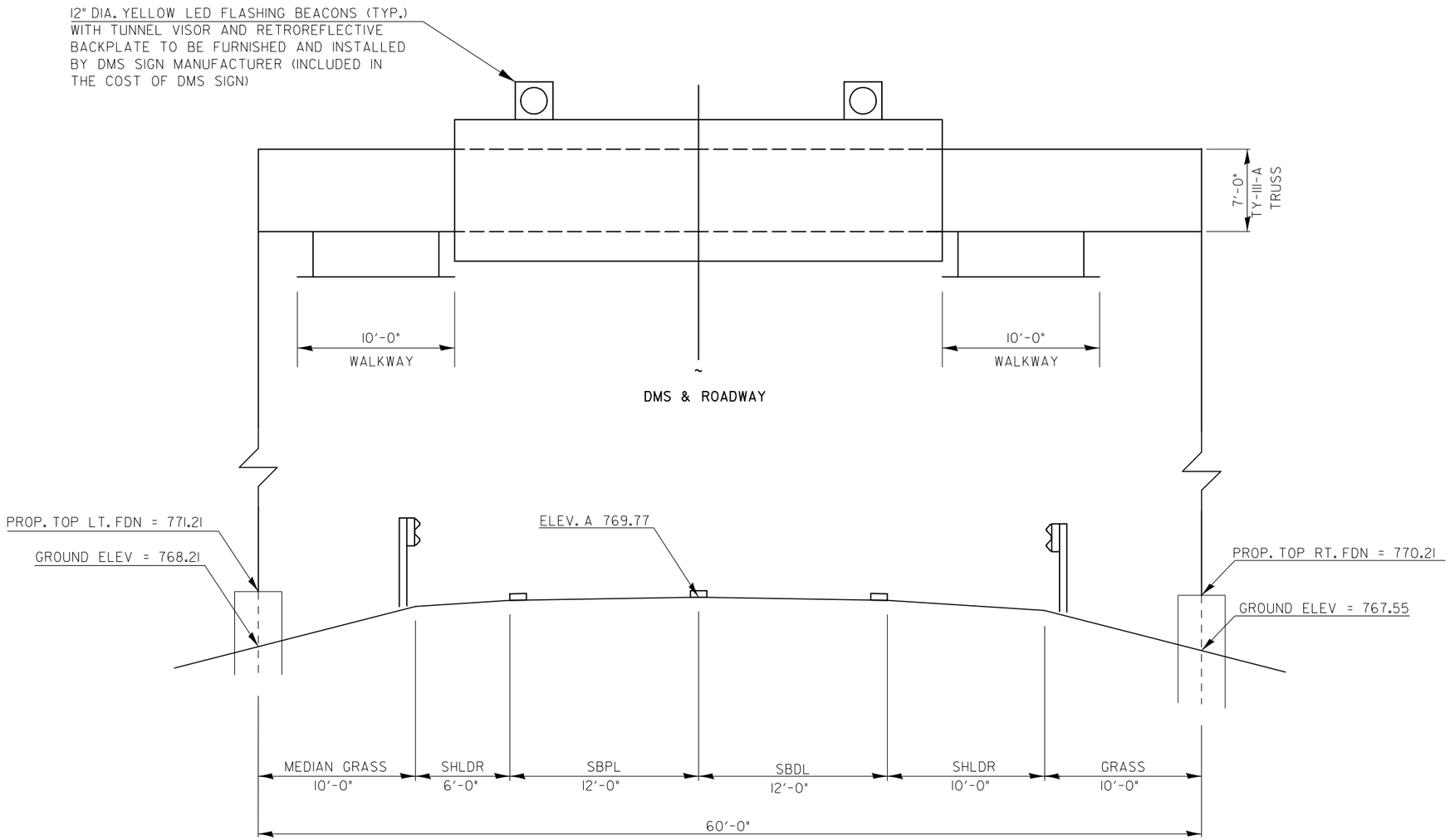
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

REMOVAL SITE PLAN - DMS STR. NO. 5 S 057 I 039 L003.92

SCALE: 1" = 30' | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	9
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

SIGN TRUSS MOUNTING DETAIL
5 S 057 I055 L172.01



TEMPORARY BENCHMARK #2 = CHISLED SQUARE N.W. CORNER OF WEST ATTENUATOR PAD = 767.08

MODEL: 5 S 057 IO55 L172.01 Sign Truss Mounting Detail
FILE NAME: c:\pw_work\pwidot\projects\d0822253\D570G85-SIH-DMS_Details.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

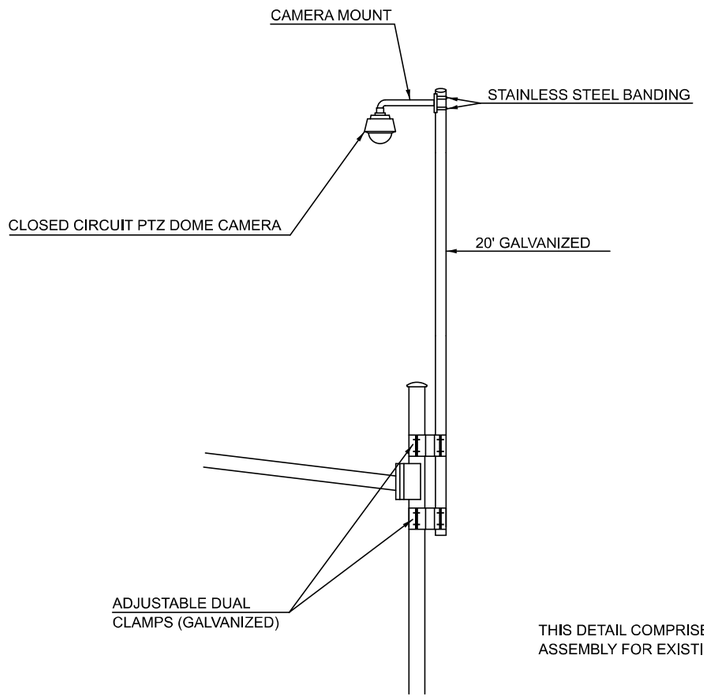
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN TRUSS MOUNTING DETAIL
5 S 057 I055 L172.01

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	10
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

Structure No.	5 S 057 I055 L172.01		
Location	I-55 SB - mile marker 172.01 - NE of Normal		
CODE NUMBER	PAY ITEM	UNIT	QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	23.0
25000210	SEEDING, CLASS 2A	ACRE	0.14
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	13.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	13.0
25100115	MULCH, METHOD 2	ACRE	0.14
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	550.0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3.0
63200310	GUARDRAIL REMOVAL	FOOT	310.0
67100100	MOBILIZATION	L SUM	0.2
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	7.0
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	0.2
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3.0
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	60.0
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	20.0
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	21.9
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1.0
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	4.0
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12.0
80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	283.0
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	18.0
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1.0
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	48.0
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	262.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	265.0
87900200	DRILL EXISTING HANDHOLE	EACH	1.0
X0323920	POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	1.0
X0323923	SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	0.2
X8710036	FIBER OPTIC CABLE IN CONDUIT, 12 FIBERS, SINGLE MODE	FOOT	1684.0
X1400459	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	1.0
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2.0
X7010242	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	1.0
X8302135	WOOD POLE, 35 FT, CLASS 4	EACH	1.0
X8710070	FIBER OPTIC FUSION SPLICE	EACH	2.0
X8710103	ETHERNET SWITCH	EACH	1.0



THIS DETAIL COMPRISES A CAMERA MOUNT ASSEMBLY FOR EXISTING LIGHTING STANDARD

CAMERA MOUNTING ASSEMBLY DETAIL

(FOR STANDARD MAST ARM POLE MOUNT, LIGHT STANDARD & DMS STRUCTURE)

MODEL: 96 Bill of Materials [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-Bill_of_Materials.dgn

USER NAME = Bridgette.Pierson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/9/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS & CAMERA MOUNTING ASSEMBLY DETAIL
5 S 057 I055 L172.01

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D5 ITS 2025-1	MCLEAN	34	11
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

S.N. 5 S 057 I055 R172.01

GUARDRAIL SCHEDULE

LOCATION		STATION	TO	STATION	63200310 GUARDRAIL REMOVAL (FT)	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT. POSTS (FT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPEC) TANGENT (EACH)	72501000 TERMINAL MARKER DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTOR, TYPE A (EACH)
S.B.	D.L. SHLDR	309+98.78		313+08.60	310.0					
S.B.	D.L. SHLDR	309+94.70		310+07.20			1.0			
S.B.	D.L. SHLDR	310+07.20		310+32.20		25.0				
S.B.	D.L. SHLDR	310+32.20		311+69.70		137.5				4.0
O.D.	D.L. SHLDR	311+09.70		312+19.70				1.0	1.0	
S.B.	P.L. SHLDR	309+94.70		310+07.20			1.0			
S.B.	P.L. SHLDR	310+07.20		310+32.20		25.0				
S.B.	P.L. SHLDR	310+32.20		312+19.70		187.5				4.0
S.B.	P.L. SHLDR	312+19.70		312+69.70				1.0	1.0	
N.B.	P.L. SHLDR	306+89.80		307+39.80				1.0	1.0	
N.B.	P.L. SHLDR	307+39.80		308+89.80		150.0				4.0
N.B.	P.L. SHLDR	308+89.80		309+14.80		25.0				
N.B.	P.L. SHLDR	309+14.80		309+27.30			1.0			
				TOTAL =	310.0 (FT)	550.0 (FT)	3.0 (EACH)	3.0 (EACH)	3.0 (EACH)	12.0 (EACH)

NOTES:
1) GUARDRAIL POSTS WILL BE DRIVEN INTO AGGREGATE SHOULDERS AND/OR EARTH EMBANKMENT.
2) PER BDE POLICY DATED NOVEMBER 2021, 25 FT. OF GUARDRAIL SHALL BE INSTALLED PAST THE LENGTH OF NEED ON THE DEPARTURE END PRIOR TO THE INSTALLATION OF THE TRAFFIC BARRIER TERMINAL, TYPE 2

DYNAMIC MESSAGE SIGN STRUCTURE

1-55 SB - MM L172.Ø1

STRUCTURE NO.

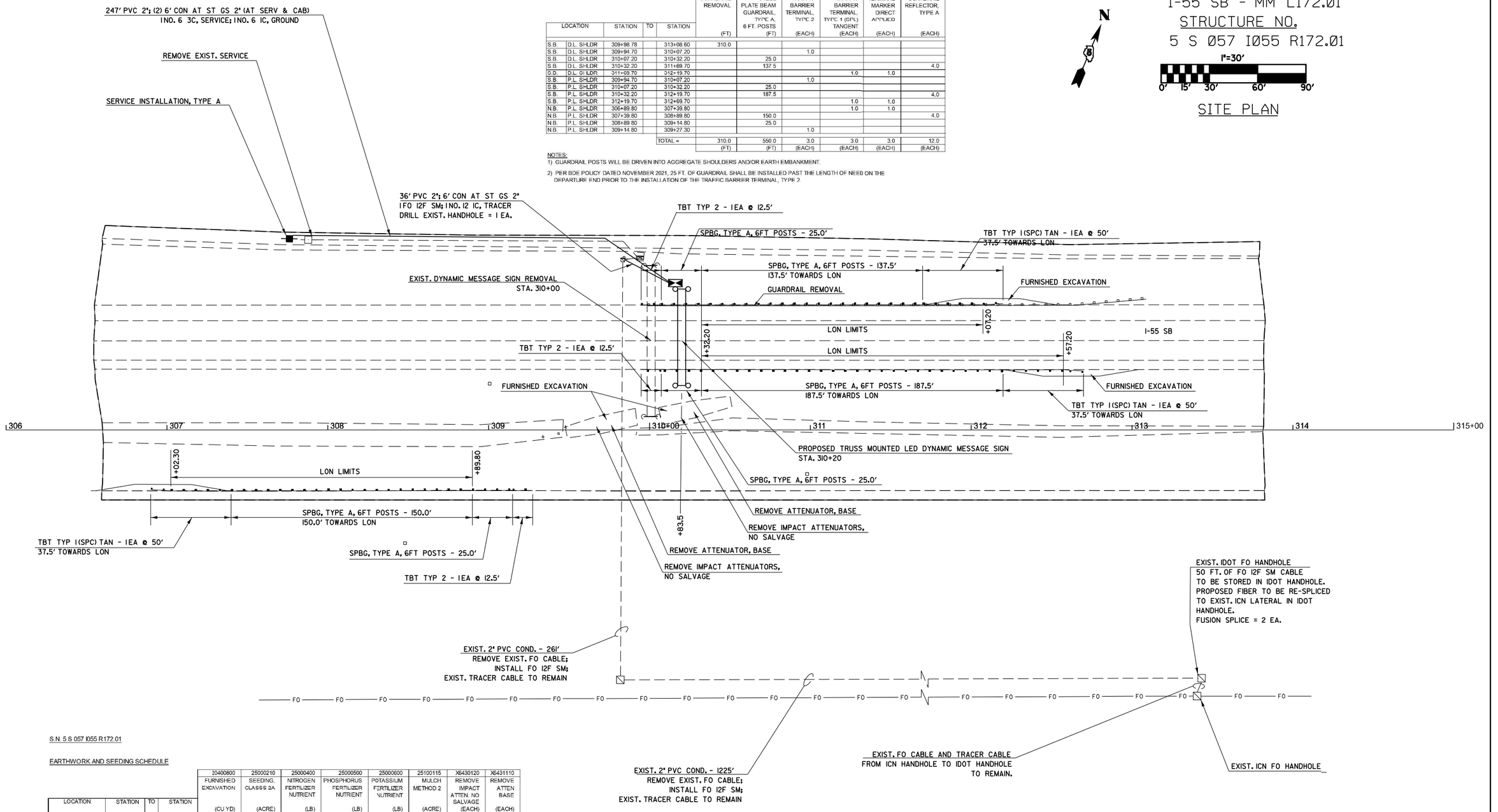
5 S Ø57 IØ55 R172.Ø1

N

I"=30'

0' 15' 30' 60' 90'

SITE PLAN



S.N. 5 S 057 I055 R172.01

EARTHWORK AND SEEDING SCHEDULE

LOCATION		STATION	TO	STATION	20400800 FURNISHED EXCAVATION (CU YD)	25000210 SEEDING, CLASS 2A (ACRE)	25000400 NITROGEN FERTILIZER NUTRIENT (LB)	25000500 PHOSPHORUS FERTILIZER NUTRIENT (LB)	25000600 POTASSIUM FERTILIZER NUTRIENT (LB)	25100115 MULCH METHOD 2 (ACRE)	X6430120 REMOVE IMPACT ATTEN. NO SALVAGE (EACH)	X6431110 REMOVE ATTEN BASE (EACH)
N.B.	P.L. SHLDR	306+55.80		307+38.80	2.0	0.02	1.8	1.8	1.8	0.02		
N.B.	MEDIAN	309+69.90		5.0' LT	8.2	0.04	3.6	3.6	3.6	0.04	1.0	1.0
N.B.	MEDIAN	310+28.40		12.0' LT	8.1	0.04	3.6	3.6	3.6	0.04	1.0	1.0
S.B.	D.L. SHLDR	311+70.70		312+53.70	2.0	0.02	1.8	1.8	1.8	0.02		
S.B.	P.L. SHLDR	312+20.70		313+03.70	2.0	0.02	1.8	1.8	1.8	0.02		
				TOTAL =	22.3 (CU YD)	0.14 (ACRE)	12.6 (LB)	12.6 (LB)	12.6 (LB)	0.14 (ACRE)	2.0 (EACH)	2.0 (EACH)
				USE =	23.0 (CU YD)	0.14 (ACRE)	13.0 (LB)	13.0 (LB)	13.0 (LB)	0.14 (ACRE)	2.0 (EACH)	2.0 (EACH)

GUARDRAIL NOTES:
LON = LENGTH OF NEED
SPBG = STEEL PLATE BEAM GUARDRAIL, TYPE A, 6FT POSTS
TBT TYP 1(SPC) TAN = TRAFFIC BARRIER TERMINAL TYPE 1(SPECIAL) TANGENT
TBT TYP 2 = TRAFFIC BARRIER TERMINAL, TYPE 2

MODEL: Plan Sheets - 96 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0822253\D570G85-SIH-DMS.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

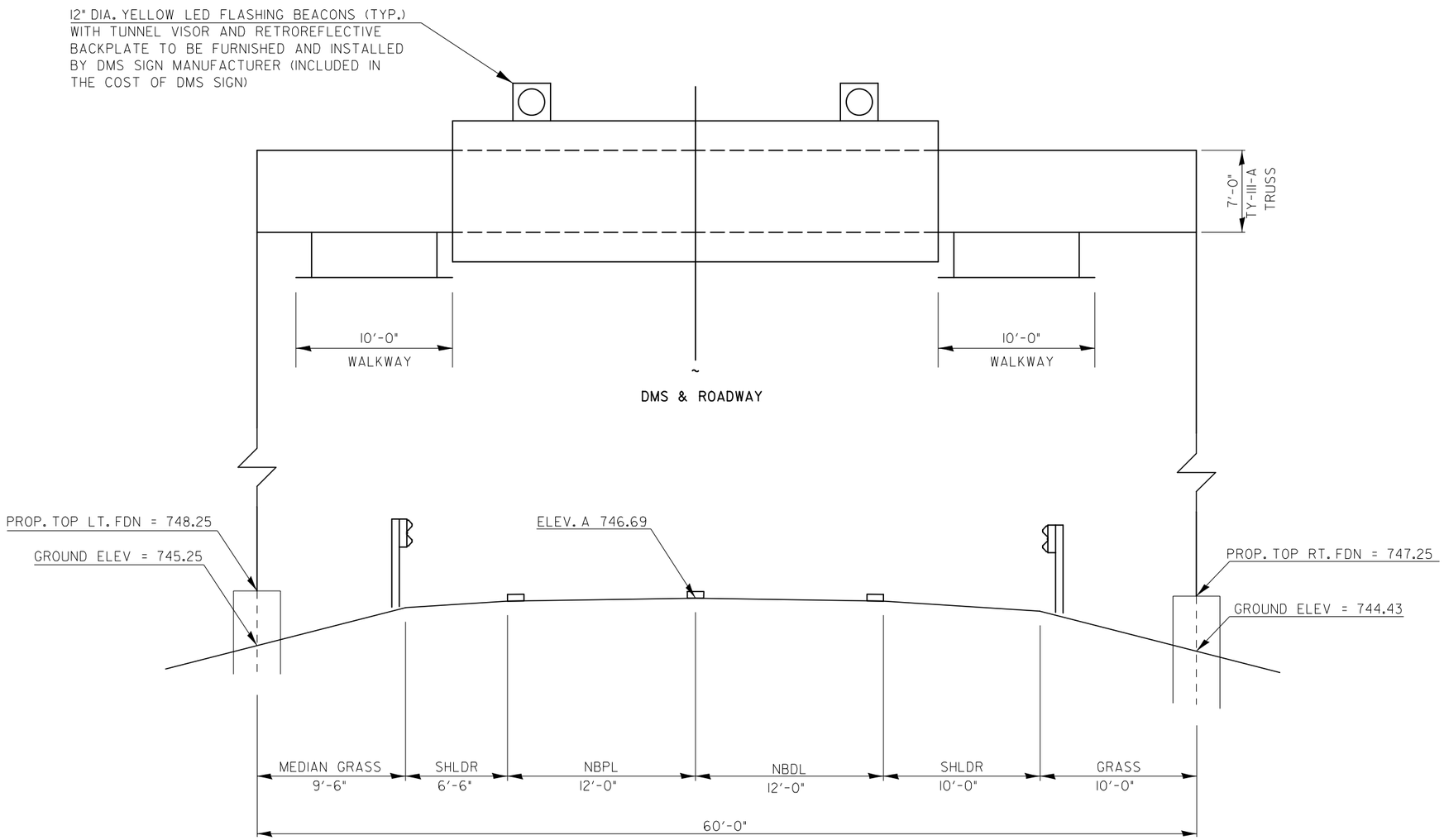
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - DMS STR. NO. 5 S 057 I055 L172.01

SCALE: 1" = 30' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	12
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

SIGN TRUSS MOUNTING DETAIL
5 S 057 I055 R153.71



TEMPORARY BENCHMARK #6 = CHISLED SQUARE S.E. CORNER OF SOUTH ATTENUATOR PAD = 744.86

MODEL: 5 S 057 I055 R153.71 Sign Truss Mounting Detail
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-SIH-DMS_Details.dgn

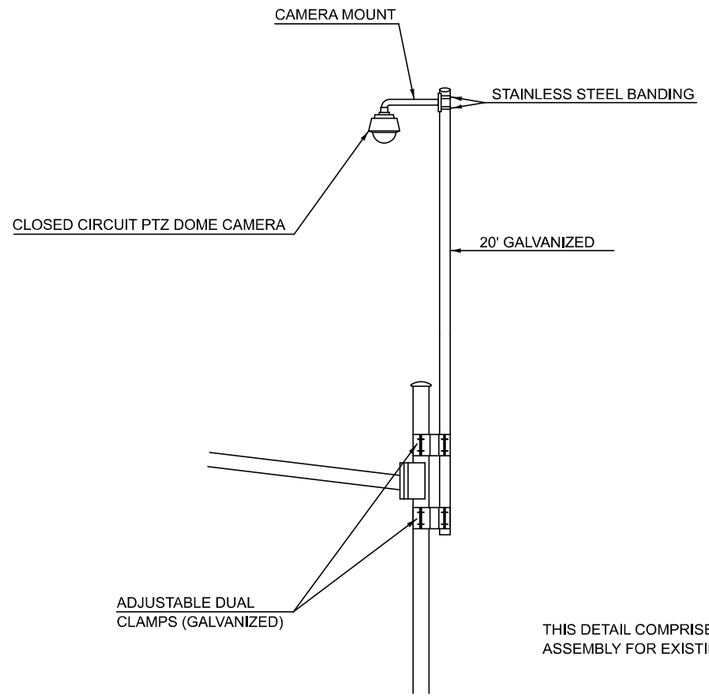
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

SIGN TRUSS MOUNTING DETAIL
5 S 057 I055 R153.71

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	13
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

Structure No.	5 S 057 I055 R153.71		
Location	I-55 NB - mile marker 153.71 - SW of Bloomington		
CODE NUMBER	PAY ITEM	UNIT	QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	23.0
25000210	SEEDING, CLASS 2A	ACRE	0.14
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	13.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	13.0
25100115	MULCH, METHOD 2	ACRE	0.14
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	500.0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3.0
67100100	MOBILIZATION	L SUM	0.2
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	7.0
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	0.2
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3.0
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	60.0
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	20.0
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	22.0
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1.0
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	4.0
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12.0
80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	744.0
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	18.0
81400100	HANDHOLE	EACH	1.0
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1.0
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	48.0
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	725.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	728.0
X0323920	POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	1.0
X0323923	SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	1.0
X1400006	FIBER OPTIC CABLE IN CONDUIT, 12 FIBERS, SINGLE MODE	FOOT	848.0
X1400459	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	1.0
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2.0
X7010242	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	1.0
X8100105	CONDUIT SPLICE	EACH	1.0
X8302135	WOOD POLE, 35 FT, CLASS 4	EACH	1.0
X8710071	FIBER OPTIC FUSION SPLICE	EACH	2.0
X8710103	ETHERNET SWITCH	EACH	1.0



THIS DETAIL COMPRISES A CAMERA MOUNT ASSEMBLY FOR EXISTING LIGHTING STANDARD

CAMERA MOUNTING ASSEMBLY DETAIL

(FOR STANDARD MAST ARM POLE MOUNT, LIGHT STANDARD & DMS STRUCTURE)

MODEL: 98 Bill of Materials [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-Bill_of_Materials.dgn

USER NAME = Bridgette.Pierson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS & CAMERA MOUNTING ASSEMBLY DETAIL
5 S 057 I055 R153.71

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D5 ITS 2025-1	MCLEAN	34	14
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

S.N. 5 S 057 I055 R153.71

GUARDRAIL SCHEDULE

LOCATION		STATION	TO	STATION	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT. POSTS (FT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPL) TANGENT (EACH)	72501000 TERMINAL MARKER DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTOR, TYPE A (EACH)
N.B.	D.L. SHLDR	514+80.30		515+30.30					
N.B.	D.L. SHLDR	515+30.30		516+67.80	137.5				4.0
N.B.	D.L. SHLDR	516+67.80		516+92.80	25.0				
N.B.	D.L. SHLDR	516+92.80		517+05.30		1.0			
N.B.	P.L. SHLDR	514+43.80		514+93.80			1.0	1.0	
N.B.	P.L. SHLDR	514+93.80		516+68.80	175.0				4.0
N.B.	P.L. SHLDR	516+68.80		516+93.80	25.0				
N.B.	P.L. SHLDR	516+93.80		517+06.30		1.0			
S.B.	D.L. SHLDR	517+74.80		517+87.30		1.0			
S.B.	D.L. SHLDR	517+87.30		518+12.30	25.0				
S.B.	D.L. SHLDR	518+12.30		519+24.80	112.5				4.0
S.B.	D.L. SHLDR	519+24.80		519+74.80			1.0	1.0	
				TOTAL =	500.0 (FT)	3.0 (EACH)	3.0 (EACH)	3.0 (EACH)	12.0 (EACH)

NOTES:

1) GUARDRAIL POSTS WILL BE DRIVEN INTO AGGREGATE SHOULDERS AND/OR EARTH EMBANKMENT.

2) PER BDE POLICY DATED NOVEMBER 2021, 25 FT. OF GUARDRAIL SHALL BE INSTALLED PAST THE LENGTH OF NEED ON THE DEPARTURE END PRIOR TO THE INSTALLATION OF THE TRAFFIC BARRIER TERMINAL, TYPE 2.

S.N. 5 S 057 I055 R153.71

EARTHWORK AND SEEDING SCHEDULE

LOCATION		STATION	TO	STATION	20400800 FURNISHED EXCAVATION (CU YD)	25000210 SEEDING, CLASS 2A (ACRE)	25000400 NITROGEN FERTILIZER NUTRIENT (LB)	25000500 PHOSPHORUS FERTILIZER NUTRIENT (LB)	25000600 POTASSIUM FERTILIZER NUTRIENT (LB)	25100115 MULCH METHOD 2 (ACRE)	X6430120 REMOVE IMPACT ATTEN, NO SALVAGE (EACH)	X6431110 REMOVE ATTEN BASE (EACH)
N.B.	P.L. SHLDR	514+09.80		514+92.80	2.0	0.02	1.8	1.8	1.8	0.02		
N.B.	D.L. SHLDR	514+46.30		515+29.30	2.0	0.02	1.8	1.8	1.8	0.02		
N.B.	MEDIAN	516+74.00		13.0' RT	8.4	0.04	3.6	3.6	3.6	0.04	1.0	1.0
N.B.	MEDIAN	517+29.00		3.0' RT	8.4	0.04	3.6	3.6	3.6	0.04	1.0	1.0
S.B.	P.L. SHLDR	519+25.80		520+08.80	2.0	0.02	1.8	1.8	1.8	0.02		
				TOTAL =	22.8	0.14	12.6	12.6	12.6	0.14	2.0	2.0
				USE =	23.0 (CU YD)	0.14 (ACRE)	13.0 (LB)	13.0 (LB)	13.0 (LB)	0.14 (ACRE)	2.0 (EACH)	2.0 (EACH)

DYNAMIC MESSAGE SIGN STRUCTURE

I-55 NB - MM R153.71

STRUCTURE NO.

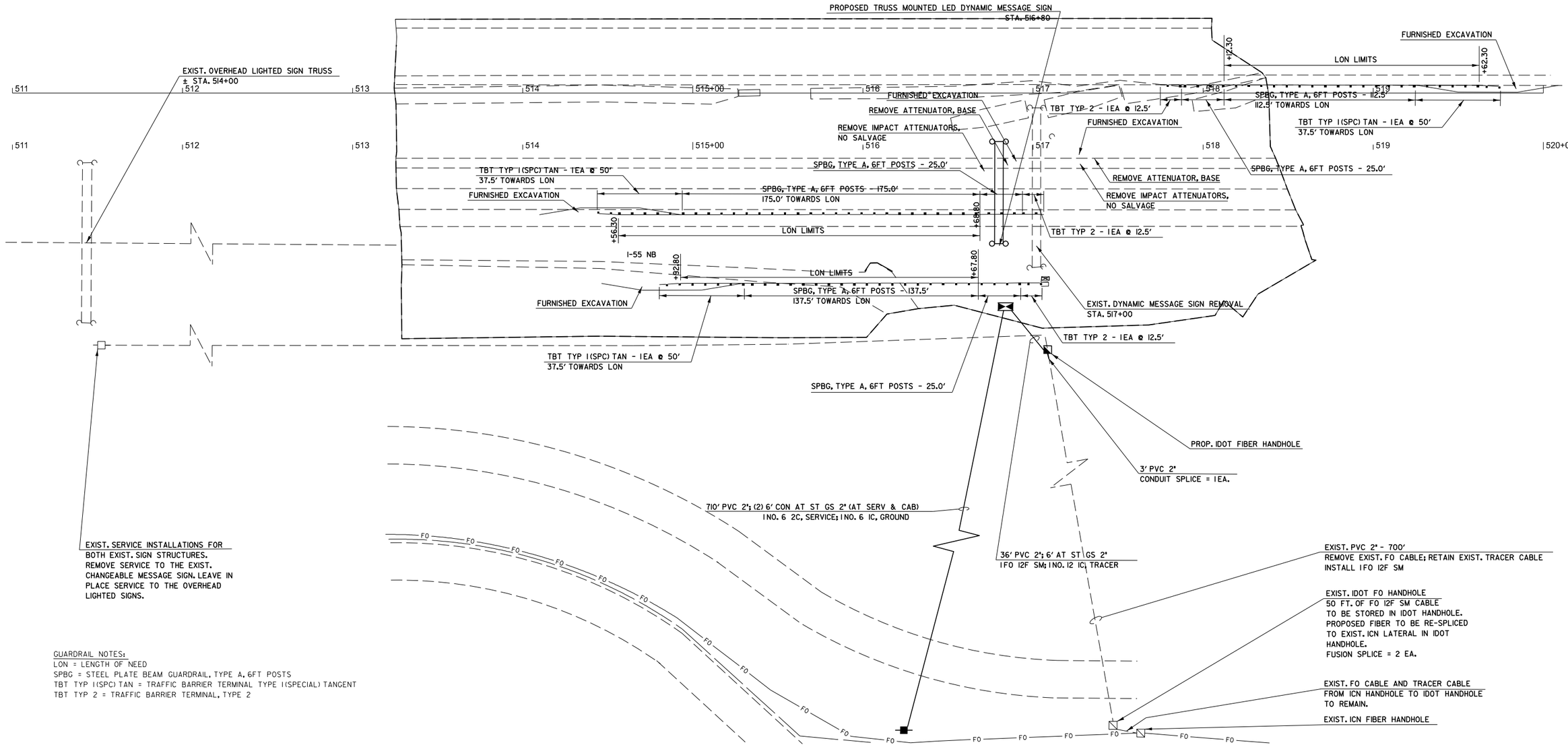
5 S Ø57 I055 R153.71

1"=30'

0' 15' 30' 60' 90'

SITE PLAN

N



GUARDRAIL NOTES:
LON = LENGTH OF NEED
SPBG = STEEL PLATE BEAM GUARDRAIL, TYPE A, 6FT POSTS
TBT TYP 1(SPC) TAN = TRAFFIC BARRIER TERMINAL TYPE 1(SPECIAL) TANGENT
TBT TYP 2 = TRAFFIC BARRIER TERMINAL, TYPE 2

MODEL: Plan Sheets - 98 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Shs-DMS.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/10/2024	DATE -	REVISED -

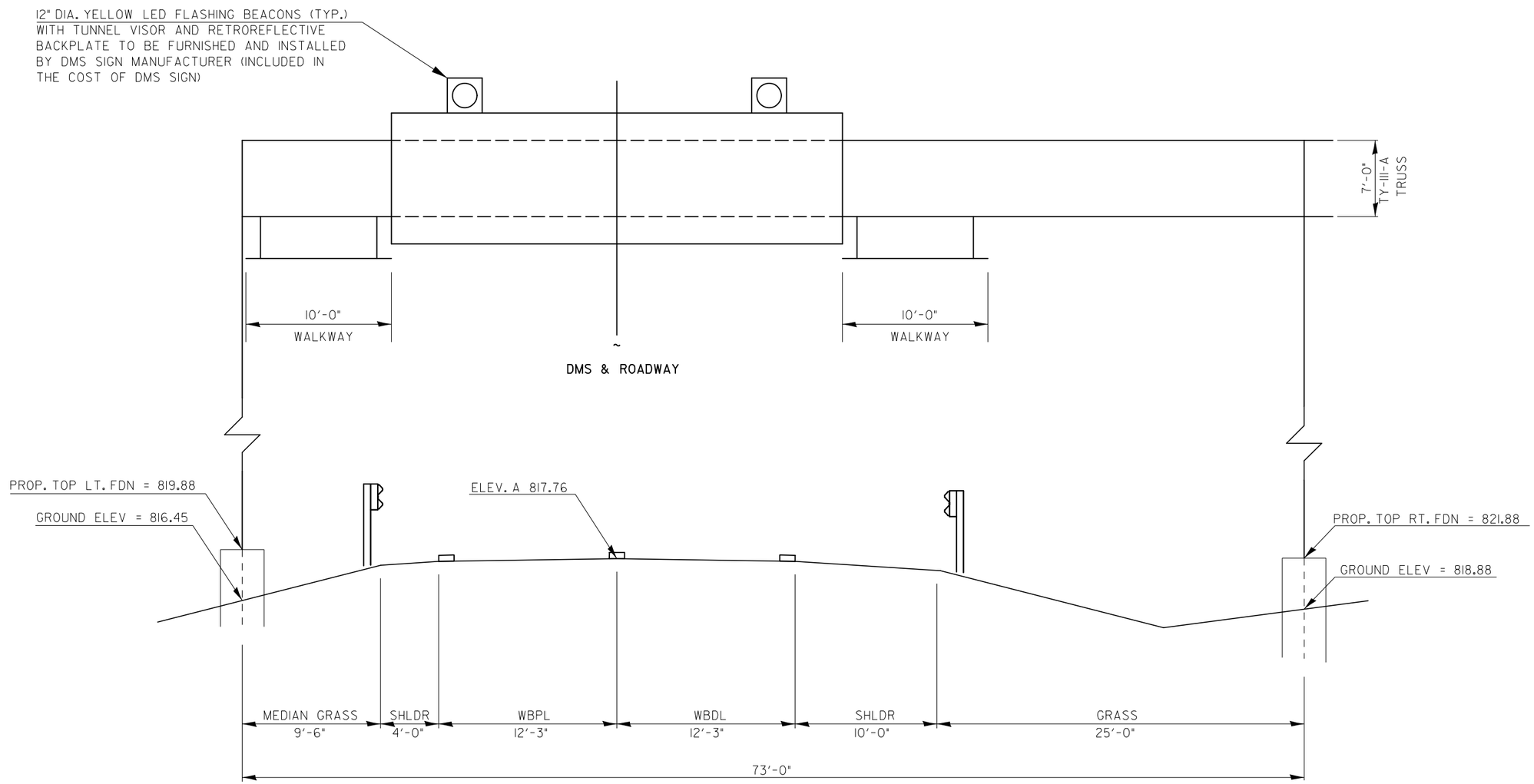
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - DMS STR. NO. 5 S 057 I055 R153.71

SCALE: 1" = 30' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	15
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

SIGN TRUSS MOUNTING DETAIL
5 S 057 I074 L136.11



TEMPORARY BENCHMARK #1 = S.E. BOLT OF N.E. SIGN FOUNDATION = 818.51

MODEL: 5 S 057 I074 L136.11 Sign Truss Mounting Detail
FILE NAME: c:\pw_work\pwidot\projects\d0822253\D570G85-SIH-DMS_Details.dgn

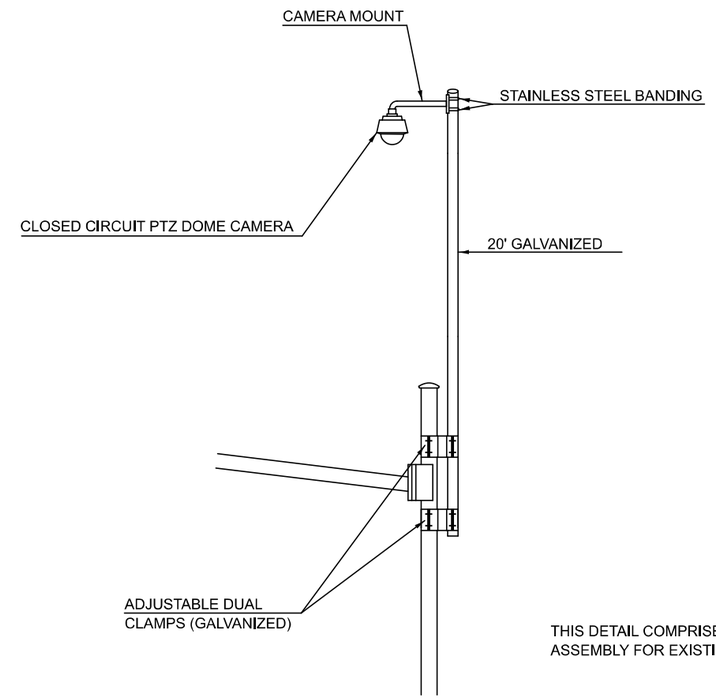
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

SIGN TRUSS MOUNTING DETAIL
5 S 057 I074 L136.11

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	16
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

Structure No.	5 S 057 I074 L136.11		
Location	I-74 WB - mile marker 136.11 - SE of Bloomington		
CODE NUMBER	PAY ITEM	UNIT	QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	2.0
25000210	SEEDING, CLASS 2A	ACRE	0.02
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2.0
25100115	MULCH, METHOD 2	ACRE	0.02
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	37.5
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1.0
63200310	GUARDRAIL REMOVAL	FOOT	175.0
67100100	MOBILIZATION	L SUM	0.2
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	7.0
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	0.2
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1.0
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	73.0
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	20.0
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	22.3
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1.0
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	4.0
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	1.0
80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	114.0
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	18.0
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1.0
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	37.0
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	95.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	108.0
87900200	DRILL EXISTING HANDHOLE	EACH	1.0
X0323920	POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	1.0
X0323923	SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	0.2
X8710036	FIBER OPTIC CABLE IN CONDUIT, 12 FIBERS, SINGLE MODE	FOOT	1183.0
X1400459	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	1.0
X7010242	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	1.0
X8302135	WOOD POLE, 35 FT, CLASS 4	EACH	1.0
X8710071	FIBER OPTIC FUSION SPLICE	EACH	2.0
X8710103	ETHERNET SWITCH	EACH	1.0



THIS DETAIL COMPRISES A CAMERA MOUNT ASSEMBLY FOR EXISTING LIGHTING STANDARD

CAMERA MOUNTING ASSEMBLY DETAIL

(FOR STANDARD MAST ARM POLE MOUNT, LIGHT STANDARD & DMS STRUCTURE)

MODEL: 110 Bill of Materials [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-Bill_of_Materials.dgn

USER NAME = Bridgette.Pierson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/9/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS & CAMERA MOUNTING ASSEMBLY DETAIL
5 S 057 I074 L136.11

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D5 ITS 2025-1	MCLEAN	34	17
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

DYNAMIC MESSAGE SIGN STRUCTURE

I-74 WB - MM L136.11

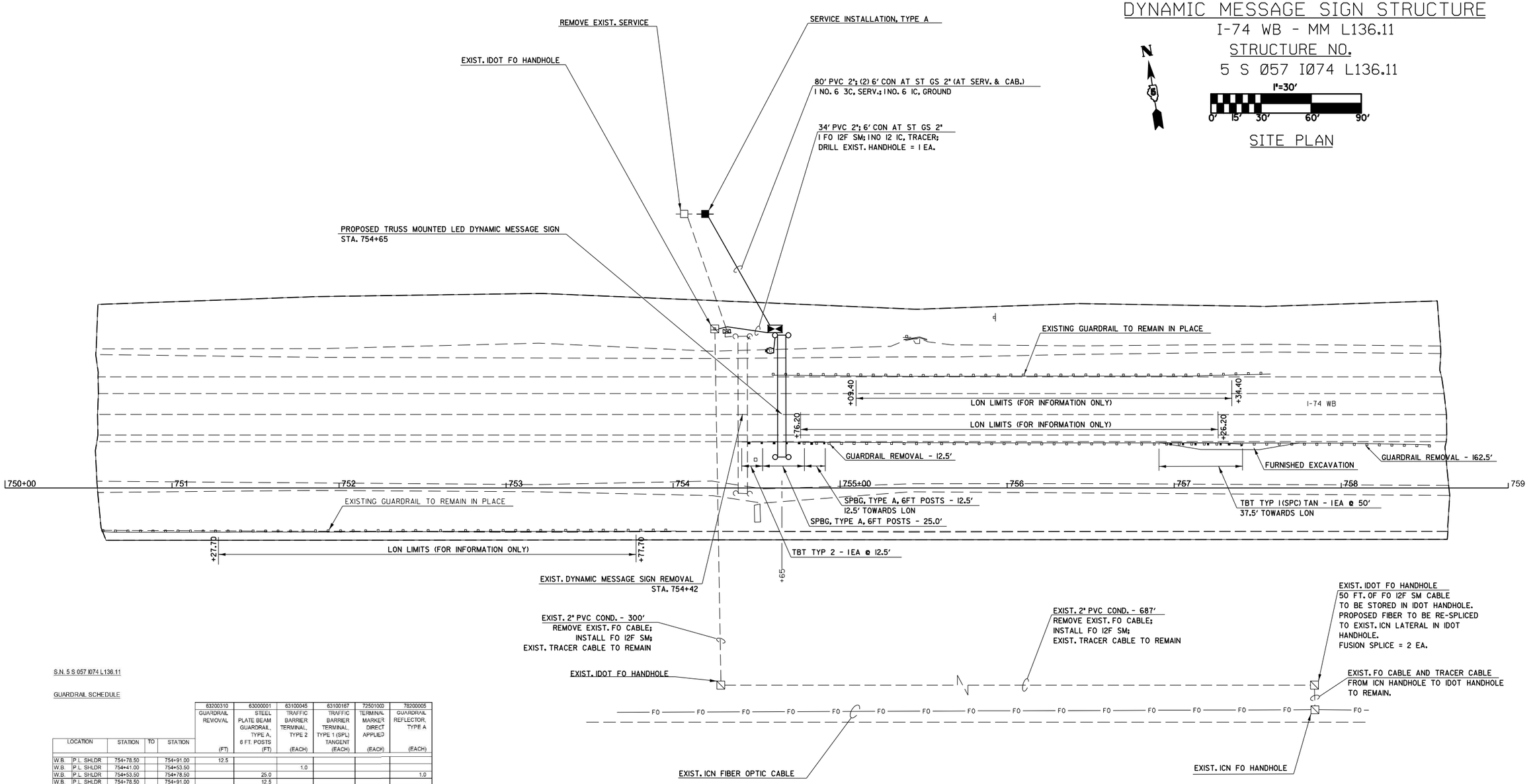
STRUCTURE NO.

5 S Ø57 IØ74 L136.11

1"=30'

0' 15' 30' 60' 90'

SITE PLAN



S.N. 5 S 057 I074 L136.11

GUARDRAIL SCHEDULE

LOCATION		STATION	TO	STATION	63200310 GUARDRAIL REMOVAL (FT)	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT. POSTS (FT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPL) TANGENT (EACH)	7250100 TERMINAL MARKER DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTOR, TYPE A (EACH)
W.B.	P.L. SHLDR	754+78.50		754+91.00	12.5					
W.B.	P.L. SHLDR	754+41.00		754+53.50			1.0			
W.B.	P.L. SHLDR	754+53.50		754+78.50		25.0				1.0
W.B.	P.L. SHLDR	754+78.50		754+91.00		12.5				
W.B.	P.L. SHLDR	756+90.80		758+53.30	162.5					
W.B.	P.L. SHLDR	756+90.80		757+40.80				1.0	1.0	
				TOTAL =	175.0 (FT)	37.5 (FT)	1.0 (EACH)	1.0 (EACH)	1.0 (EACH)	1.0 (EACH)

NOTES:

1) GUARDRAIL POSTS WILL BE DRIVEN INTO AGGREGATE SHOULDERS AND/OR EARTH EMBANKMENT.

2) THE LENGTH OF NEED IN THE WBPL SHOULDER NEEDS TO BE EXTENDED ON THE DEPARTURE END. THE INTENT IS TO REMOVE THE EXISTING TYPE 2 TERMINAL, THEN EXTEND THE LENGTH OF GUARDRAIL AS SHOWN ON THE PLANS AND THE GUARDRAIL SCHEDULE.

3) PER BDE POLICY DATED NOVEMBER 2021, 25 FT. OF GUARDRAIL SHALL BE INSTALLED PAST THE LENGTH OF NEED ON THE DEPARTURE END PRIOR TO THE INSTALLATION OF THE TRAFFIC BARRIER TERMINAL, TYPE 2.

GUARDRAIL NOTES:

LON = LENGTH OF NEED

SPBG = STEEL PLATE BEAM GUARDRAIL, TYPE A, 6FT POSTS

TBT TYP 1(SPC) TAN = TRAFFIC BARRIER TERMINAL TYPE 1(SPECIAL) TANGENT

TBT TYP 2 = TRAFFIC BARRIER TERMINAL, TYPE 2

S.N. 5 S 057 I074 L136.11

EARTHWORK AND SEEDING SCHEDULE

LOCATION		STATION	TO	STATION	20400800 FURNISHED EXCAVATION (CU YD)	25000210 SEEDING, CLASSS 2A (ACRE)	25000400 NITROGEN FERTILIZER NUTRIENT (LB)	25000500 PHOSPHORUS FERTILIZER NUTRIENT (LB)	25000600 POTASSIUM FERTILIZER NUTRIENT (LB)	25100115 MULCH METHOD 2 (ACRE)
W.B.	P.L. SHLDR	756+91.80		757+74.80	2.0	0.02	1.8	1.8	1.8	0.02
				TOTAL =	2.0	0.02	1.8	1.8	1.8	0.02
				USE =	2.0	0.02	2.0	2.0	2.0	0.02
					(CU YD)	(ACRE)	(LB)	(LB)	(LB)	(ACRE)

MODEL: Plan Sheets - 110 [Sheet]
FILE NAME: c:\dw_work\pwidot\projects\d0882253\D570G85-Sht-DMS.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

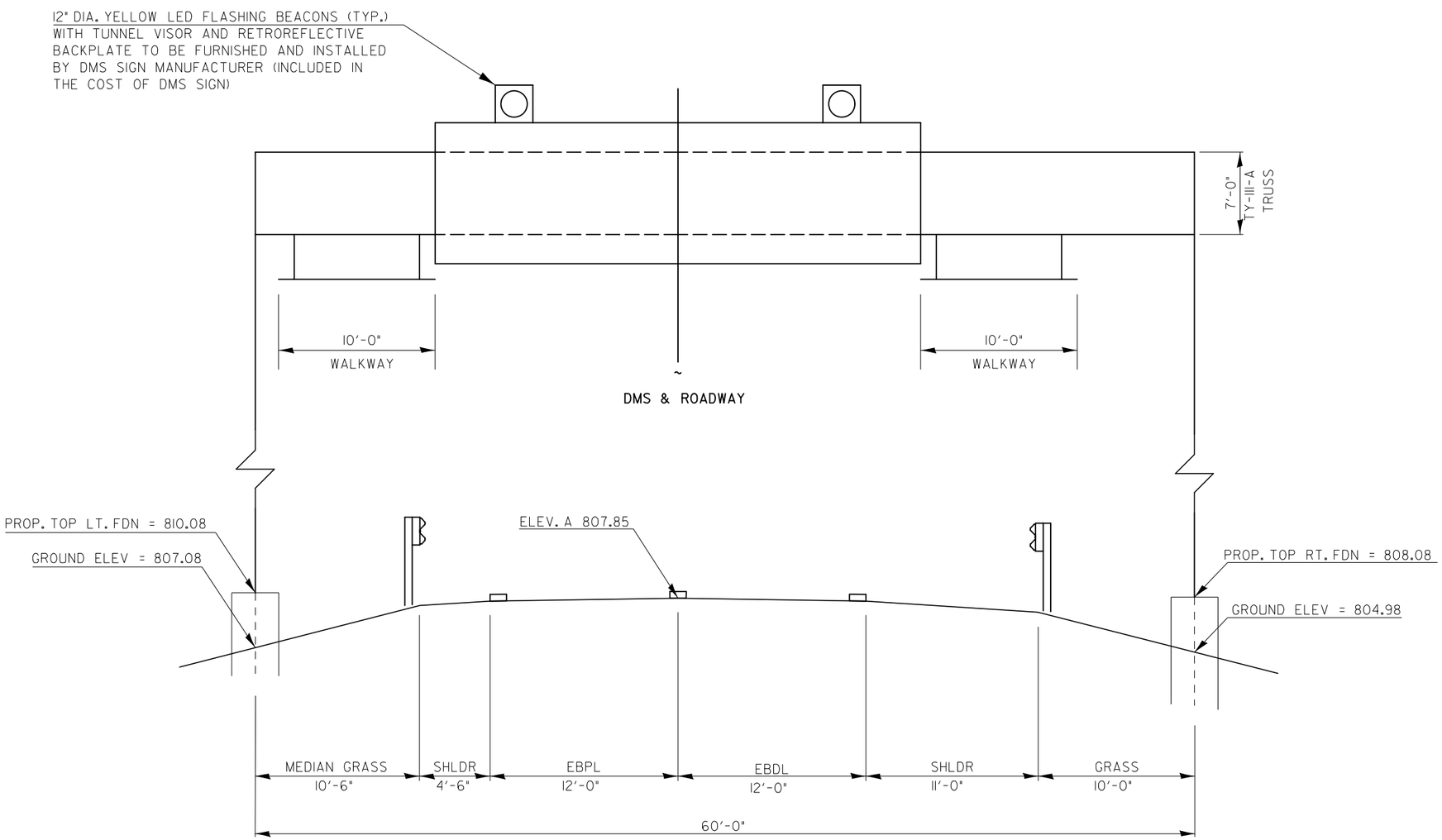
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - DMS STR. NO. 5 S 057 I074 L136.11

SCALE: 1" = 30' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	18
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

SIGN TRUSS MOUNTING DETAIL
5 S 057 I074 R122.99



TEMPORARY BENCHMARK #5 = CHISLED SQUARE S.E. CORNER OF EAST ATTENUATOR PAD = 805.70

MODEL: 5 S 057 I074 R122.99 Sign Truss Mounting Detail
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-SIH-DMS_Details.dgn

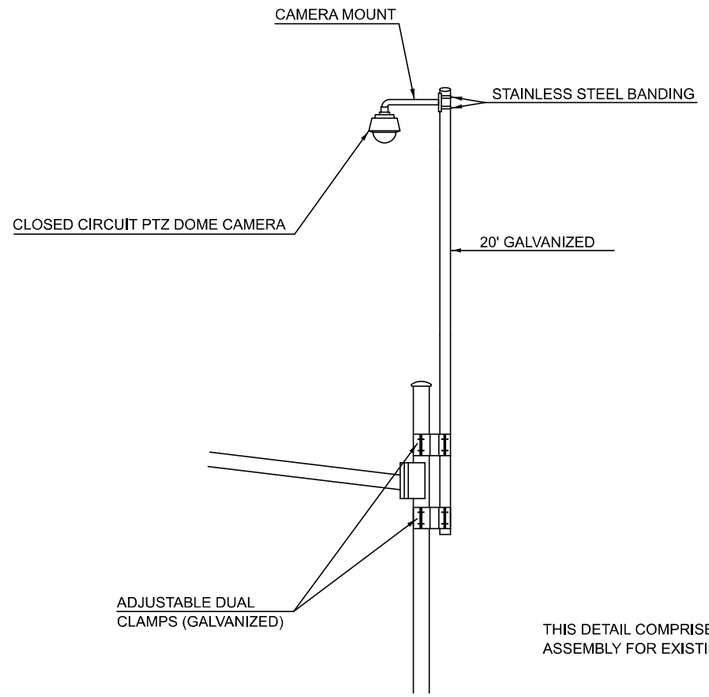
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

SIGN TRUSS MOUNTING DETAIL
5 S 057 I074 R122.99

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	19
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

Structure No.	5 S 057 I074 R122.99		
Location	I-74 EB - mile marker 122.99 - NW of Normal		
CODE NUMBER	PAY ITEM	UNIT	QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	21.0
25000210	SEEDING, CLASS 2A	ACRE	0.14
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	13.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	13.0
25100115	MULCH, METHOD 2	ACRE	0.14
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	625.0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3.0
63200310	GUARDRAIL REMOVAL	FOOT	212.0
67100100	MOBILIZATION	L SUM	0.2
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	7.0
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	0.2
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3.0
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	60.0
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	20.0
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	22.1
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1.0
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	4.0
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12.0
80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	167.0
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	18.0
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1.0
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	29.0
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	141.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	144.0
87900200	DRILL EXISTING HANDHOLE	EACH	1.0
X0323920	POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	1.0
X0323923	SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	0.2
X1400006	FIBER OPTIC CABLE IN CONDUIT, 12 FIBERS, SINGLE MODE	FOOT	79.0
X1400459	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	1.0
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2.0
X7010242	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	1.0
X8302135	WOOD POLE, 35 FT, CLASS 4	EACH	1.0
X8710071	FIBER OPTIC FUSION SPLICE	EACH	2.0
X8710103	ETHERNET SWITCH	EACH	1.0



THIS DETAIL COMPRISES A CAMERA MOUNT ASSEMBLY FOR EXISTING LIGHTING STANDARD

CAMERA MOUNTING ASSEMBLY DETAIL

(FOR STANDARD MAST ARM POLE MOUNT, LIGHT STANDARD & DMS STRUCTURE)

MODEL: 111 Bill of Materials [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sh-Bill_of_Materials.dgn

USER NAME = Bridgette.Pierson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS & CAMERA MOUNTING ASSEMBLY DETAIL
5 S 057 I074 R122.99

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

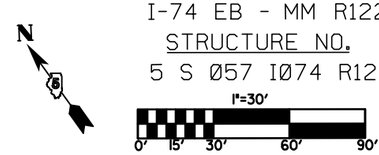
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D5 ITS 2025-1	MCLEAN	34	20
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

DYNAMIC MESSAGE SIGN STRUCTURE

I-74 EB - MM R122.99

STRUCTURE NO.

5 S Ø57 I074 R122.99



SITE PLAN

S.N. 5S 057 I074 R122.99

GUARDRAIL SCHEDULE

LOCATION		STATION	TO	STATION	63200310 GUARDRAIL REMOVAL (FT)	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT. POSTS (FT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPL) TANGENT (EACH)	72501000 TERMINAL MARKER DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTOR, TYPE A (EACH)
E.B.	D.L. SHLDR	1693+18.89		1695+30.89	212.0					
E.B.	D.L. SHLDR	1692+95.30		1693+45.30				1.0	1.0	
E.B.	D.L. SHLDR	1693+45.30		1694+82.80		137.5				4.0
E.B.	D.L. SHLDR	1694+82.80		1695+07.80		25.0				
E.B.	D.L. SHLDR	1695+07.80		1695+20.30			1.0			
E.B.	P.L. SHLDR	1692+31.70		1692+81.70				1.0	1.0	
E.B.	P.L. SHLDR	1692+81.70		1694+81.70		200.0				4.0
E.B.	P.L. SHLDR	1694+81.70		1695+06.70		25.0				
E.B.	P.L. SHLDR	1695+06.70		1695+19.20			1.0			
W.B.	P.L. SHLDR	1695+43.70		1695+56.20			1.0			
W.B.	P.L. SHLDR	1695+56.20		1695+81.20		25.0				
W.B.	P.L. SHLDR	1695+81.20		1697+93.70		212.5				4.0
W.B.	P.L. SHLDR	1697+93.70		1698+43.70				1.0	1.0	
				TOTAL =	212.0 (FT)	625.0 (FT)	3.0 (EACH)	3.0 (EACH)	3.0 (EACH)	12.0 (EACH)

NOTES:

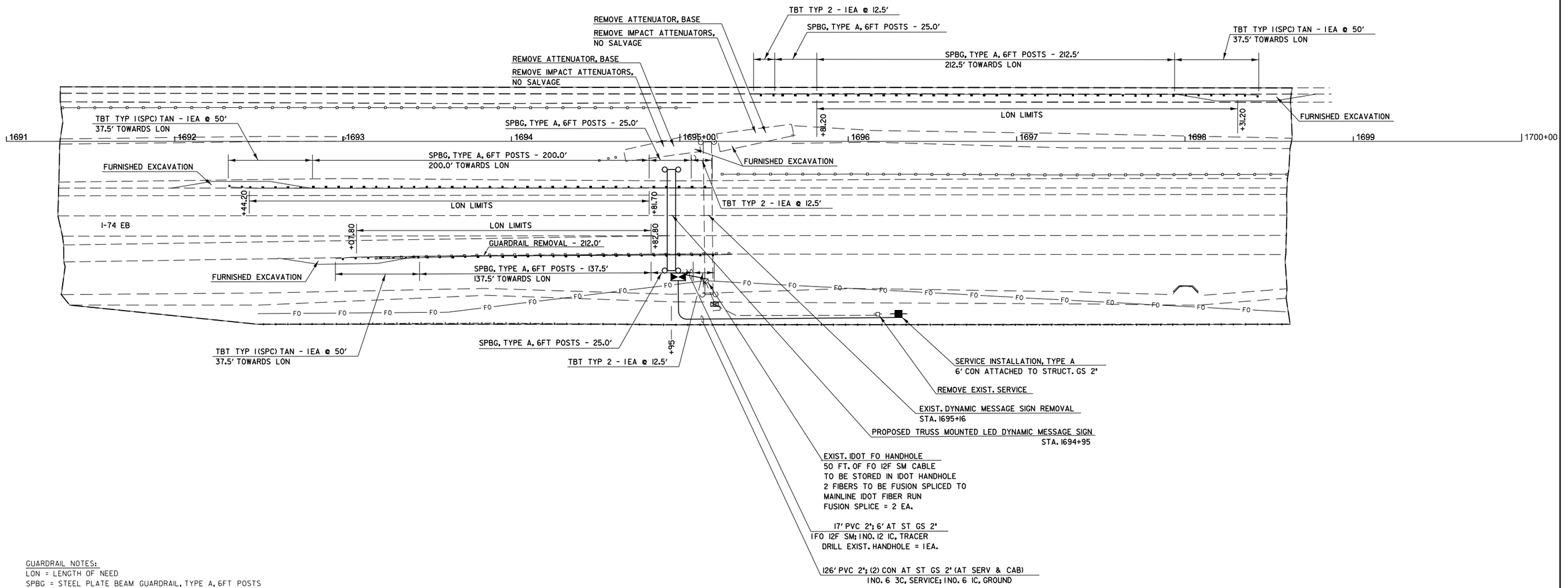
1) GUARDRAIL POSTS WILL BE DRIVEN INTO AGGREGATE SHOULDERS AND/OR EARTH EMBANKMENT.

2) PER BDE POLICY DATED NOVEMBER 2021, 25 FT. OF GUARDRAIL SHALL BE INSTALLED PAST THE LENGTH OF NEED ON THE DEPARTURE END PRIOR TO THE INSTALLATION OF THE TRAFFIC BARRIER TERMINAL, TYPE 2.

S.N. 5S 057 I074 R122.99

EARTHWORK AND SEEDING SCHEDULE

LOCATION		STATION	TO	STATION	20400800 FURNISHED EXCAVATION (CU YD)	25000210 SEEDING, CLASSS 2A (ACRE)	25000400 NITROGEN FERTILIZER NUTRIENT (LB)	25000500 PHOSPHORUS FERTILIZER NUTRIENT (LB)	25000600 POTASSIUM FERTILIZER NUTRIENT (LB)	25100115 MULCH METHOD 2 (ACRE)	X6430120 REMOVE IMPACT ATTEN, NO SALVAGE (EACH)	X6431110 REMOVE ATTEN BASE (EACH)
E.B.	P.L. SHLDR	1691+97.70		1692+80.70	2.0	0.02	1.8	1.8	1.8	0.02		
E.B.	D.L. SHLDR	1692+61.30		1693+44.30	2.0	0.02	1.8	1.8	1.8	0.02		
E.B.	MEDIAN	1694+89.30		6.0' RT	7.4	0.04	3.6	3.6	3.6	0.04	1.0	1.0
E.B.	MEDIAN	1695+45.00		5.0' LT	7.4	0.04	3.6	3.6	3.6	0.04	1.0	1.0
W.B.	P.L. SHLDR	1697+94.70		1698+77.70	2.0	0.02	1.8	1.8	1.8	0.02		
				TOTAL =	20.8	0.14	12.6	12.6	12.6	0.14	2.0	2.0
				USE =	21.0	0.14	13.0	13.0	13.0	0.14	2.0	2.0
					(CU YD)	(ACRE)	(LB)	(LB)	(LB)	(ACRE)	(EACH)	(EACH)



GUARDRAIL NOTES:

LON = LENGTH OF NEED

SPBG = STEEL PLATE BEAM GUARDRAIL, TYPE A, 6FT POSTS

TBT TYP 1(SPC) TAN = TRAFFIC BARRIER TERMINAL TYPE 1(SPECIAL) TANGENT

TBT TYP 2 = TRAFFIC BARRIER TERMINAL, TYPE 2

MODEL: Plan Sheets - 111 [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-DMS.dgn

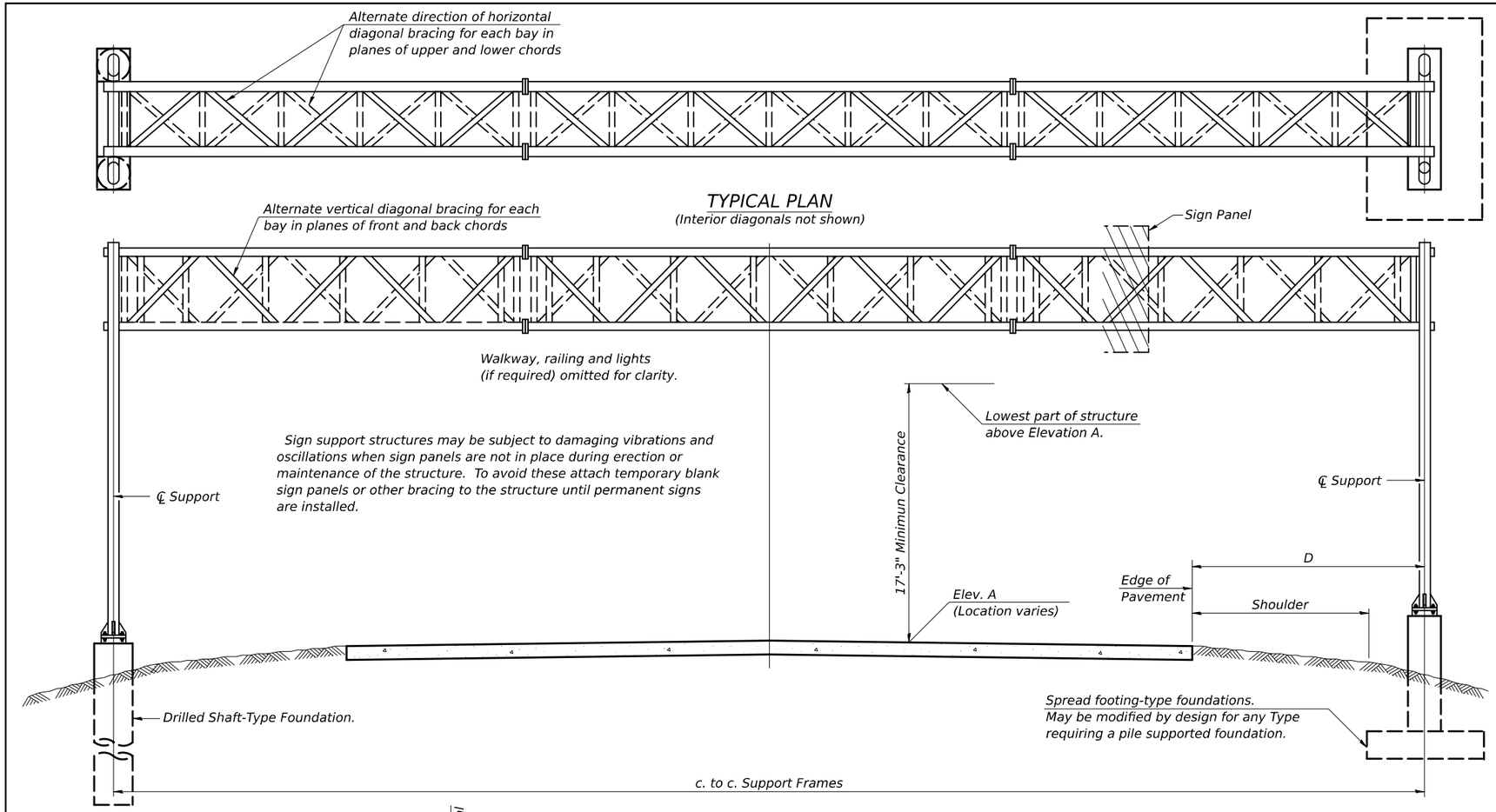
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN - DMS STR. NO. 5 S 057 I074 R122.99

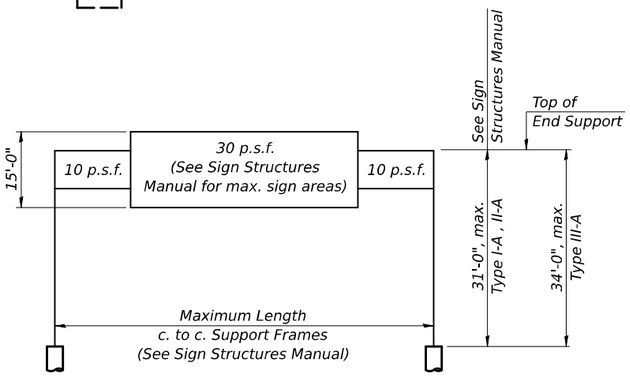
SCALE: 1" = 30' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	21
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		



TYPICAL PLAN

(Interior diagonals not shown)



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TYPICAL ELEVATION

(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
5 S 057 I074 L136.11	754+65	111-A	73'-0"	817.76	***	Exact	Exact
5 S 057 I055 R153.71	516+80	111-A	60'-0"	746.69	***	Dimensions	Dimensions
5 S 057 I074 R122.99	1695+10	111-A	60'-0"	807.85	***	of DMS	of DMS
5 S 057 I039 L003.21	268+50	111-A	60'-0"	794.84	***	Cabinets	Cabinets
5 S 057 I055 L172.01	310+20	111-A	60'-0"	769.77	***	Unknown	Unknown

* *If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.*

** *Looking upstation for structures with signs both sides.*

*** *See Sign Truss Mounting Details*

**** *End support height based on 15'-0" sign height per OS4-A-8a*

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.*
The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	-
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	-
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	313
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	100
CONCRETE FOUNDATIONS	Cu. Yds.	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	110.3

OS-A-1 5-15-2023

MODEL: Overhead Sign Structures [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Shs-Details.dgn

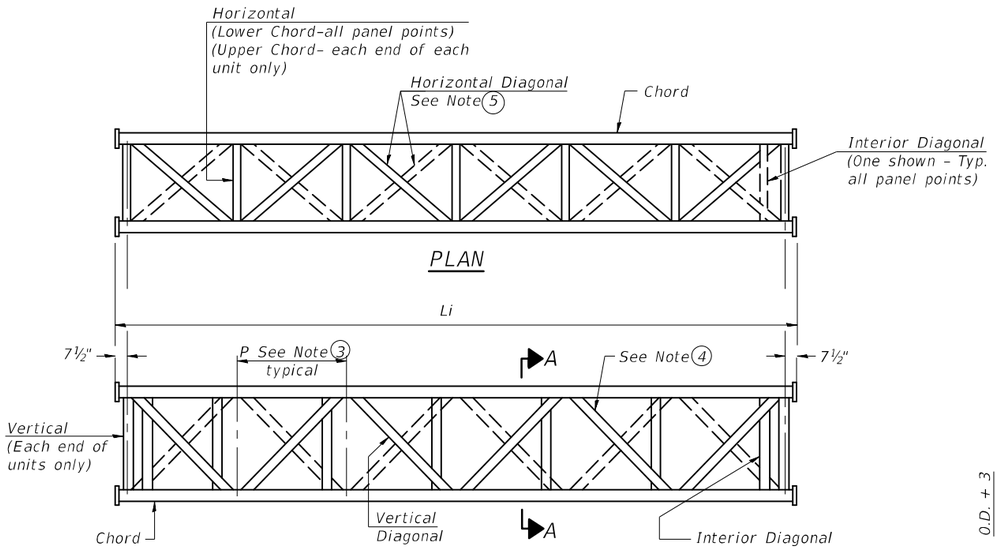
USER NAME = Bridgette.Pierson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - GENERAL PLAN & ELEVATION - ALUMINUM TRUSS & STEEL SUPPORTS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

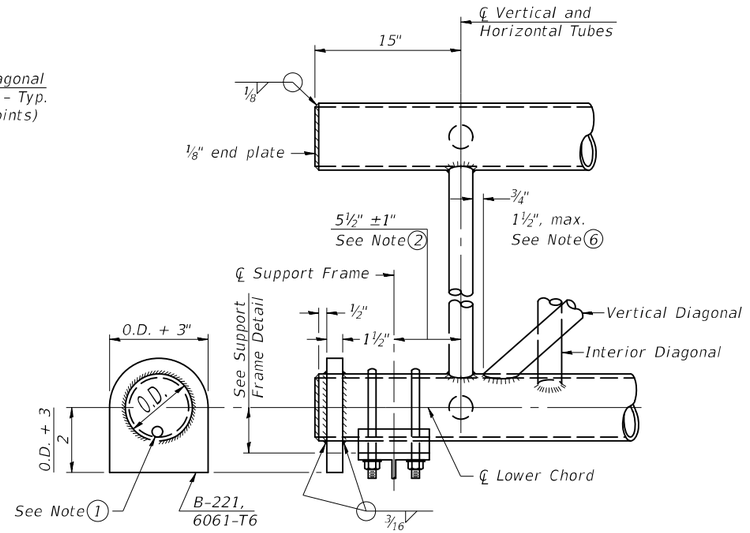
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	22
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		



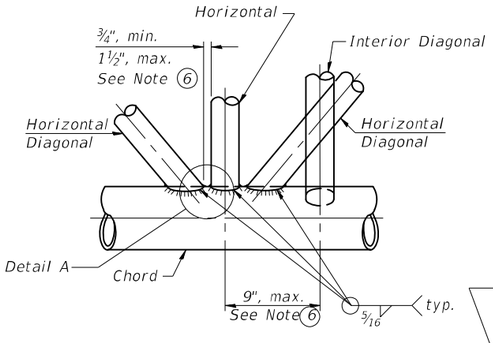
ELEVATION

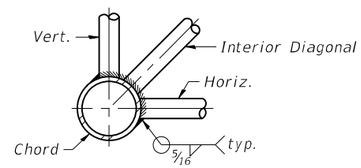
TYPICAL INTERIOR UNIT

Even number of panels/interior unit required.

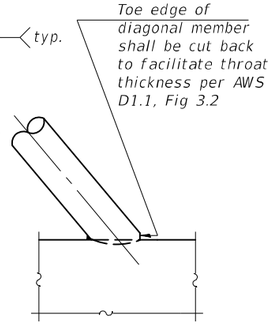


SUPPORT END DETAIL FOR EXTERIOR UNIT

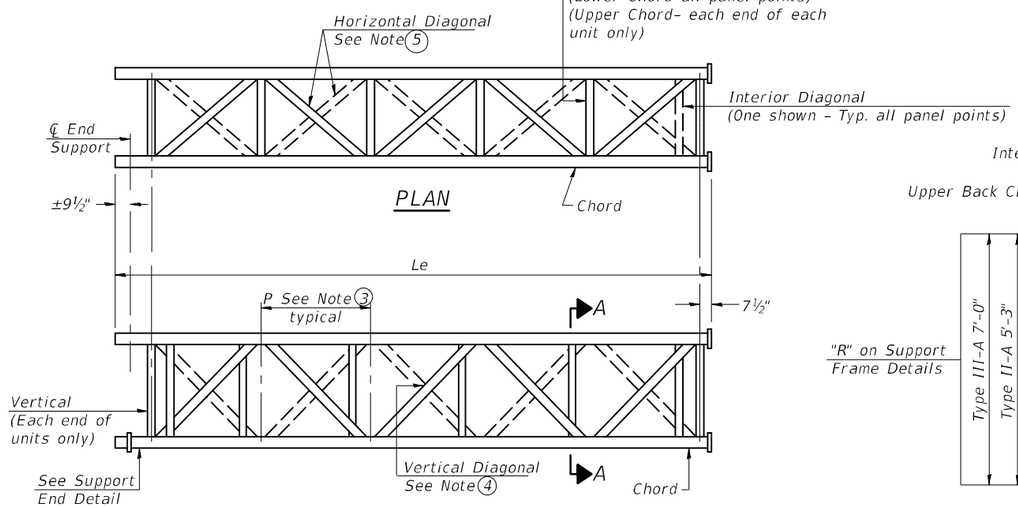




TYPICAL JOINT DETAILS



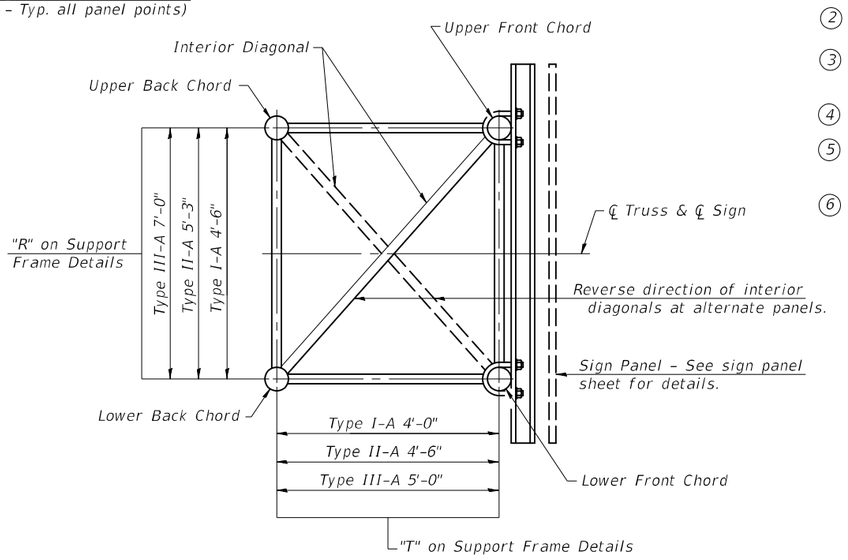
DETAIL A



ELEVATION

TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

1. *Contractor may alternatively use standard aluminum drive– t cap to close end. ½" Ø drain hole in end plate/drive– t cap. (Typ. at ends of all chords)*
2. *5½" end dimension may vary by ±1" to provide uniform panel spacing (P).*
3. *Panel spacing (P) shall be uniform for entire truss and between 4'–0" and 5'–0" for Type I–A or 4'–0" and 5'–6" for Types II–A and III–A.*
4. *Vertical Diagonals in front and back face shall alternate.*
5. *Hidden lines show wind bracing alternates direction between planes of top and bottom chords.*
6. *All diagonals shall be detailed for minimum o set from the panel point based on the following: O set shall be such as to provide a ¾" minimum to 1½" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U–bolt connections of signs or walkway brackets.*

MODEL: Overhead Sign Structures - AL Truss Details for Truss Types I-A II-A III-A Sheet 1
FILE NAME: c:\pw_work\pwdot\projects\d0882253\D570G85-Shi-DMS_Details.dgn

OS-A-2 2-17-2017

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/10/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

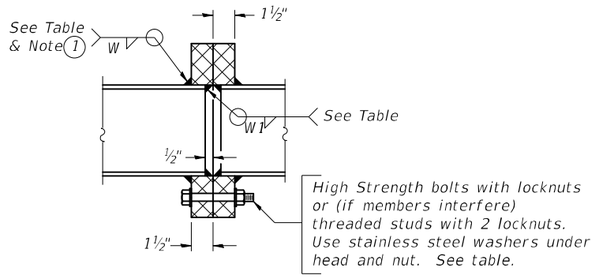
OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I–A, II–A AND III–A

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	23
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

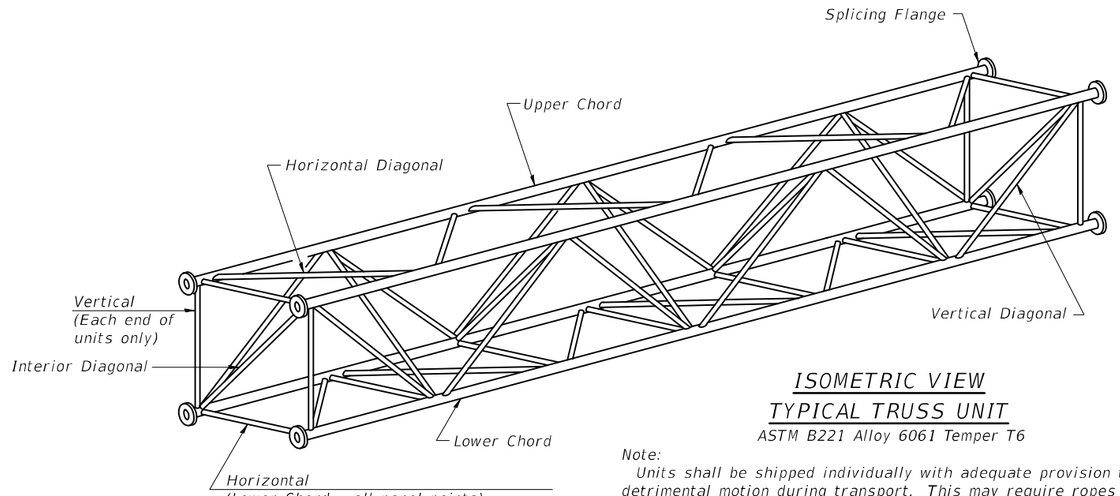
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical,Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(Le)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(Li)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W1		
5 S 057 1074 L136.11	754+65	III-A	7	37'-3¾"	5'-0¾"	0	-	-	-	7"	5/16"	3¼"	5/16"	1"	6	1"	7/16"	5/16"	11¼"	15"
5 S 057 1055 R153.71	516+80	III-A	6	30'-10½"	4'-10"	0	-	-	-	7"	5/16"	3¼"	5/16"	¾"	6	1"	7/16"	5/16"	11¼"	15"
5 S 057 1074 R122.99	1695+10	III-A	6	30'-10½"	4'-10"	0	-	-	-	7"	5/16"	3¼"	5/16"	¾"	6	1"	7/16"	5/16"	11¼"	15"
5 S 057 1039 L003.21	268+50	III-A	6	30'-10½"	4'-10"	0	-	-	-	7"	5/16"	3¼"	5/16"	¾"	6	1"	7/16"	5/16"	11¼"	15"
5 S 057 1055 L172.01	310+20	III-A	6	30'-10½"	4'-10"	0	-	-	-	7"	5/16"	3¼"	5/16"	¾"	6	1"	7/16"	5/16"	11¼"	15"



SECTION B-B

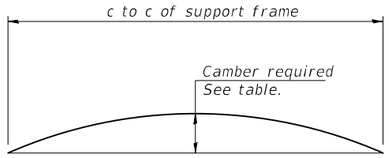
(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and ange surfaces shall be shop bolted into full contact before welding. Su cient external welds or tacks shall be made to secure anges until remaining welds are made after disassembly. Adjacent anges shall be "match marked" to insure proper eld assembly.



ISOMETRIC VIEW
TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

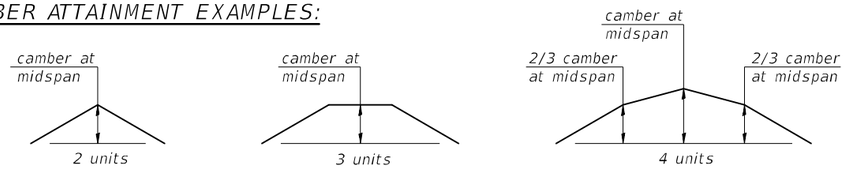
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the con guration and protection of the units.



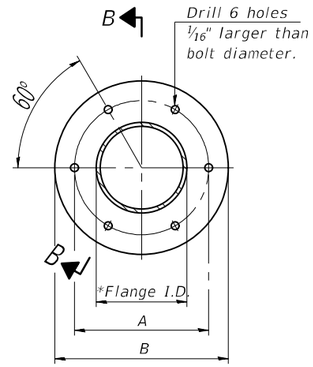
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

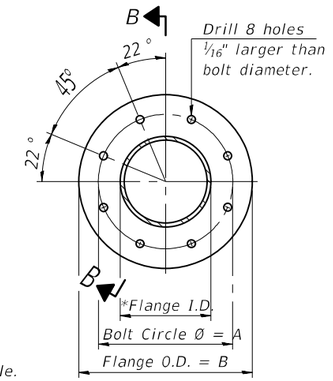
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To t O.D. of Chord with maximum gap of 1/16".

MODEL: Overhead Sign Structures - AL Truss Details for Truss Types I-A II-A III-A Sheet 2
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Shi-DMS_Details.dgn

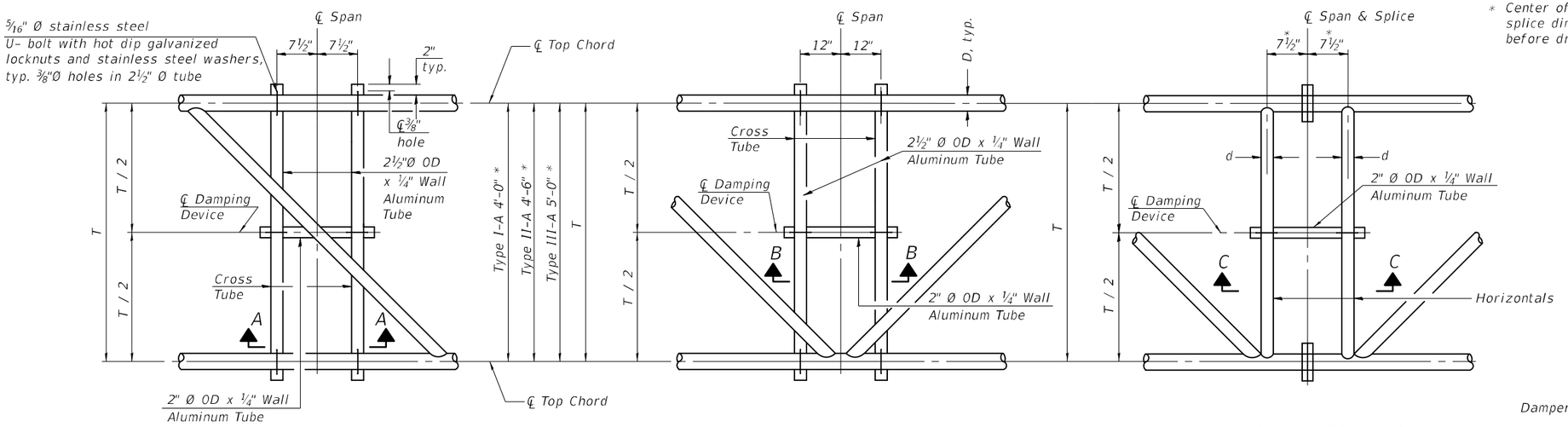
OS4-A-2 2-17-2017

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	24
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			



* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
℄ Span between Panel Points

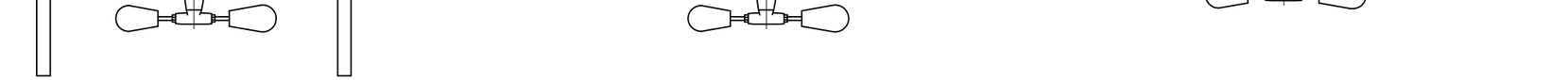
PLAN DETAIL "B"
℄ Span at Panel Point

PLAN DETAIL "C"
℄ Span at ℄ Chord Splice

NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum – 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

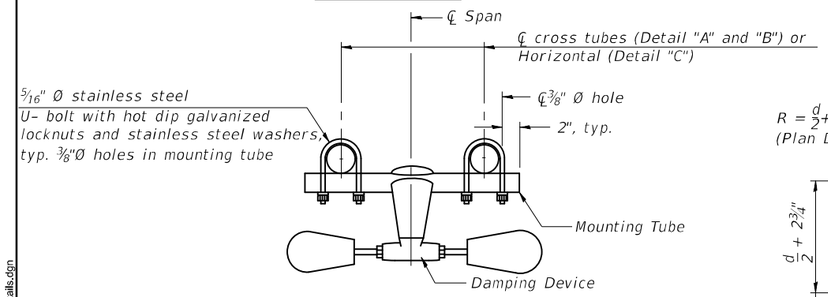
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



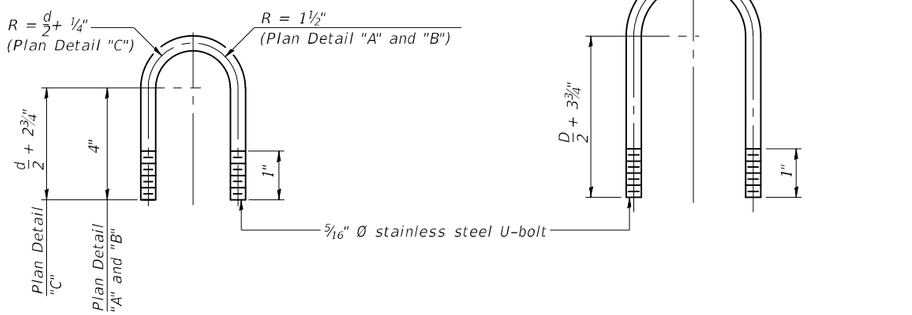
SECTION A-A

SECTION B-B

SECTION C-C

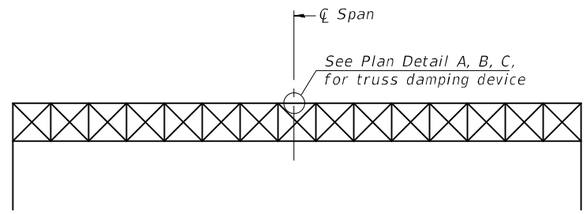


TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical – Detail "A" and "B")



ELEVATION
Aluminum Overhead Sign Truss

OS-A-D 2-17-2017

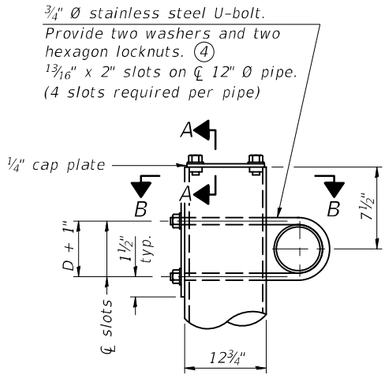
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

OVERHEAD SIGN STRUCTURE DAMPING DEVICE

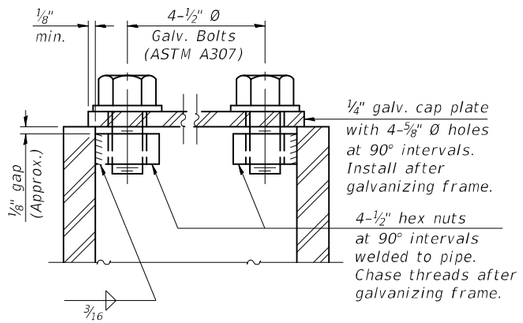
SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	25
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

MODEL: Overhead Sign Structure Damping Device
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-SIH-DMS_Details.dgn

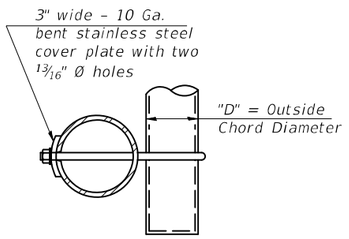


DETAIL A

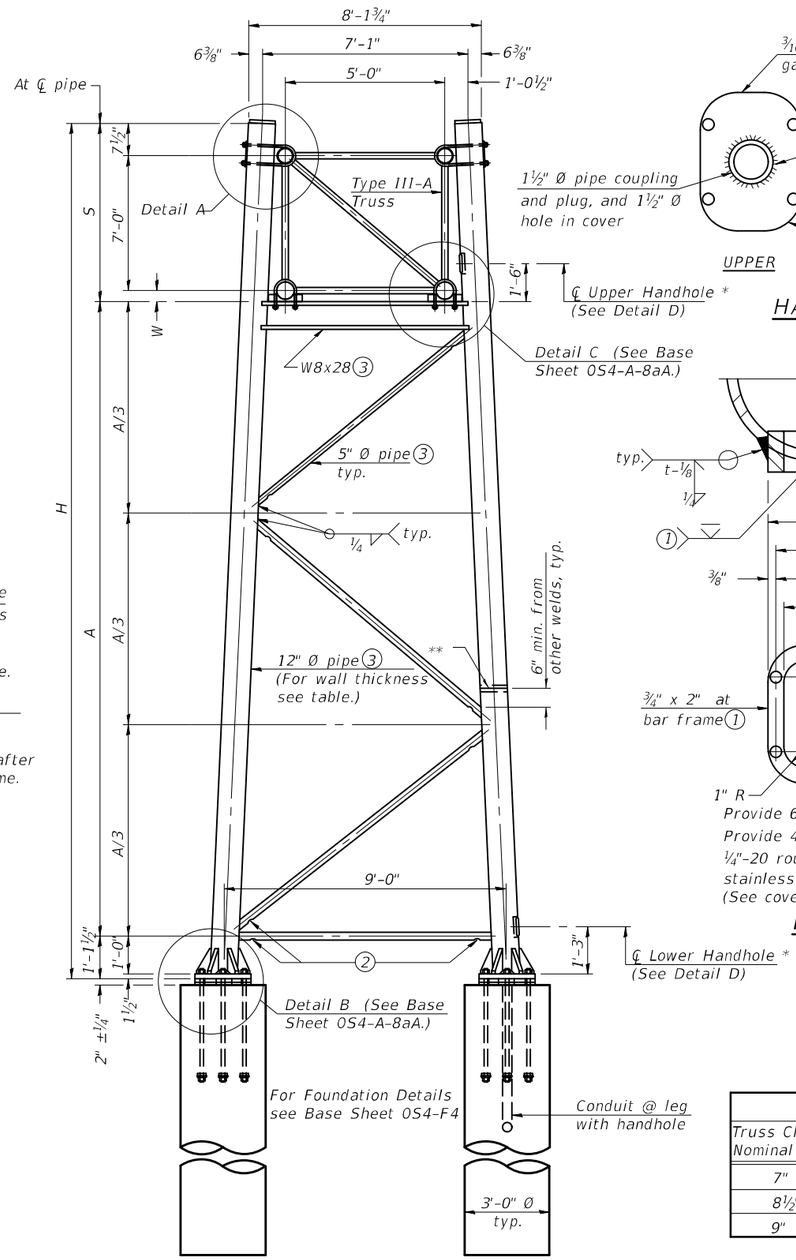


SECTION A-A

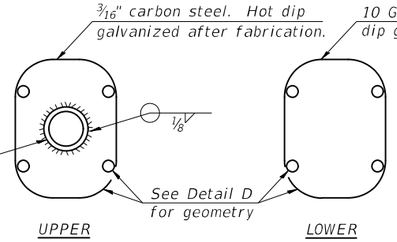
As an alternate to bolts, may use galvanized drive- t caps installed after galvanizing frame.



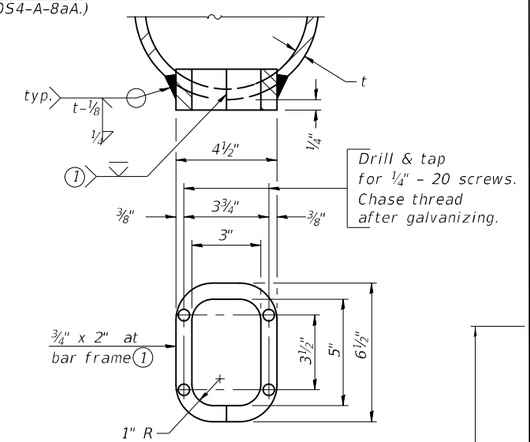
SECTION B-B



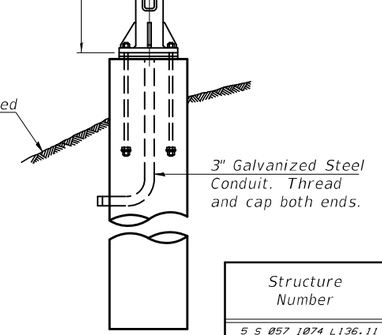
SIDE ELEVATION



HANDHOLE COVERS



DETAIL D



END ELEVATION

Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4 3/4"	8'-0 1/4"
8 1/2"	5 1/2"	8'-1"
9"	5 3/4"	8'-1 1/4"

Support Design Loads: See Base Sheet 0S-A-1 for design and loading criteria.

Load combinations checked include deadload plus:

a) 100% wind normal to sign, 20% parallel to sign

b) 60% wind normal to sign, 30% parallel to sign

(1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.

(2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.

(3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 0S-A-1.

(4) See General Notes for fasteners.

(5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions veri ed or amended as appropriate.

(6) "H" based on 15'-0" or actual sign height, whichever is greater.

* For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

TRUSS SUPPORT DETAILS

(12" Ø Pipe-Type III-A Truss

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support Left	Support Right	Pipe Wall Thickness	H (6)	A
5 S 057 1074 L136.11	754+65	X		0.33"	20'-1 3/4"	19'-0"
			X	0.33"	26'-1 3/4"	17'-0"
5 S 057 1055 R153.71	516+80	X		0.33"	20'-7 3/4"	19'-6"
			X	0.33"	29'-7 3/4"	20'-6"
5 S 057 1074 R122.39	1695+10	X		0.33"	20'-1 3/4"	19'-0"
			X	0.33"	30'-1 3/4"	21'-0"
5 S 057 1039 L003.21	268+50	X	X	0.33"	29'-1 3/4"	20'-0"
5 S 057 1055 L172.01	310+20	X		0.33"	29'-1 3/4"	20'-0"
			X	0.33"	30'-1 3/4"	21'-0"

0S4-A-8a 2-17-2017

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

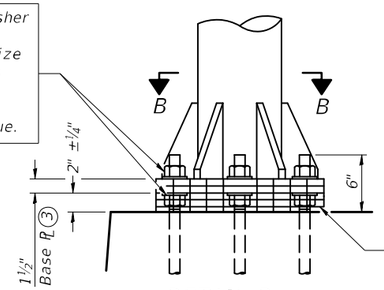
OVERHEAD SIGN STRUCTURES – SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	26
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

MODEL: Overhead Sign Stuctures - Support Frame For Type III-A AL Truss Sheet 1
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sht-DMS_Details.dgn

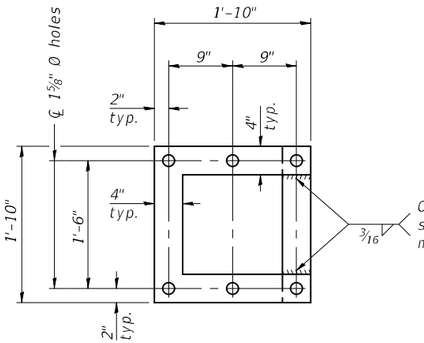
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



DETAIL B

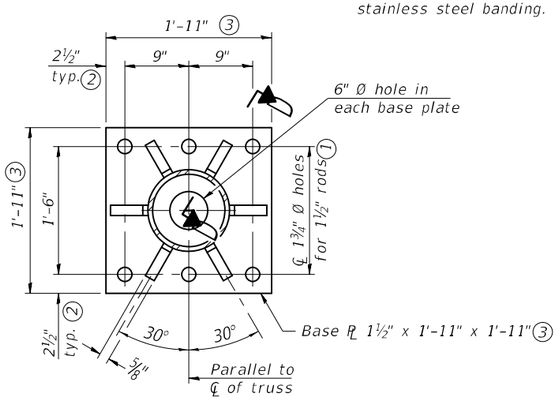
Ribs shall be cut to ⊥ slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, ¼" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with ¾" stainless steel banding.

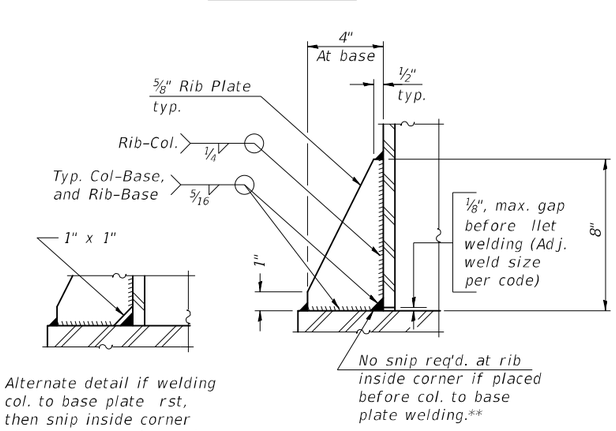


Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

POSITIONING PLATE(S)

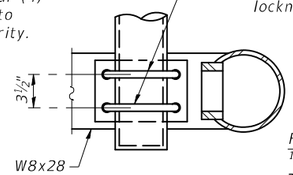


SECTION B-B



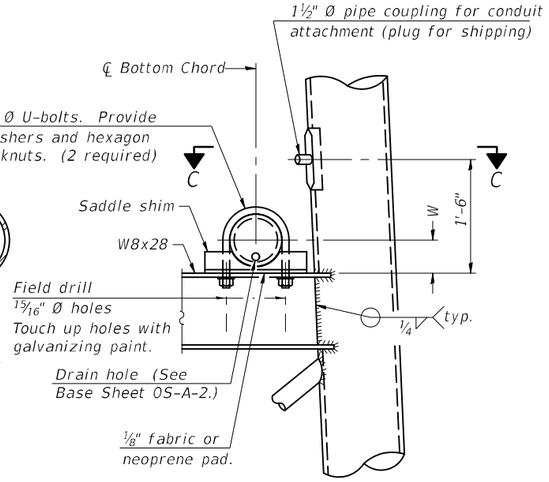
** Alternate detail if welding col. to base plate ⌓rst, then snip inside corner of ribs. Terminate weld on rib ¼" from snip.

SECTION D-D



SECTION C-C

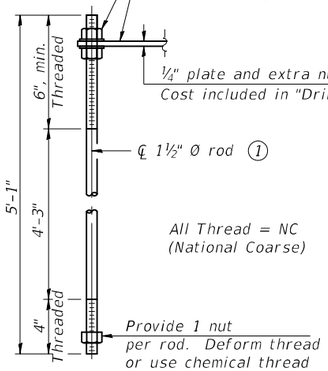
(Handhole cover not shown)



DETAIL C

At each location, provide ¼" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

¼" plate and extra nuts become Contractor's property. Cost included in "Drilled Shaft Concrete Foundation".

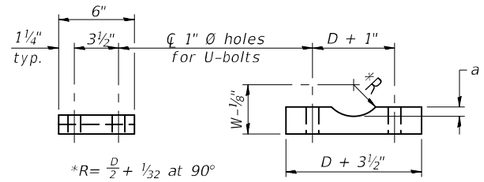


All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.

ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



*$R = \frac{D}{2} + \frac{1}{32}$ at 90°

D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

Truss Chord Nominal Dia.	a
7"	1"
8½"	1¼"
9"	1⅜"

SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

TYPE III-A TRUSS
12" Ø PIPE SUPPORT FRAME DETAILS

Notes:
For Type III-A Truss spans greater than 150 ft, and up to 160 ft.:

① 1¾" Ø rod, 2" Ø holes

② 2¾" edge distance

③ Base ℄ 1⅝" x 1'-11½" x 1'-11½"

MODEL: Overhead Sign Structures Support Frame For Type III-A AL Truss Sheet 2
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-SIH-OMS_Details.dgn

0S4-A-8aA 2-17-2017

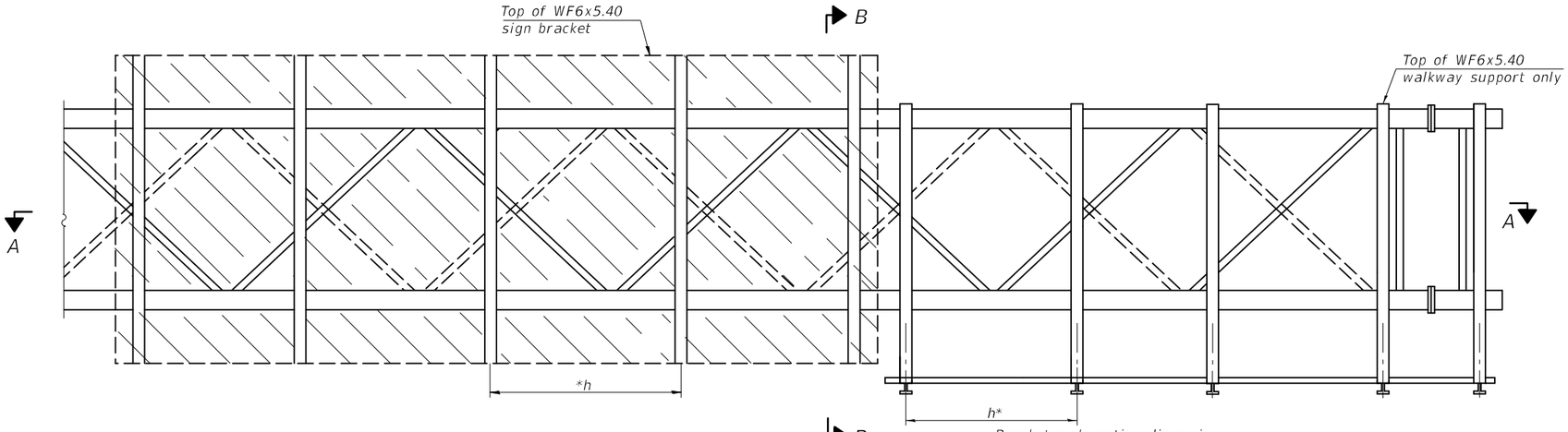
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	27
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

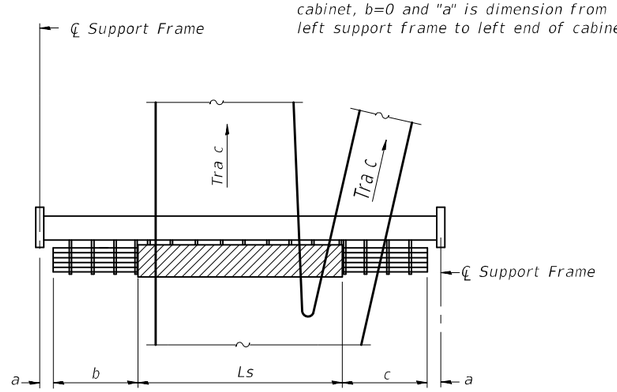


TYPICAL FRONT ELEVATION

With handrail omitted for clarity.

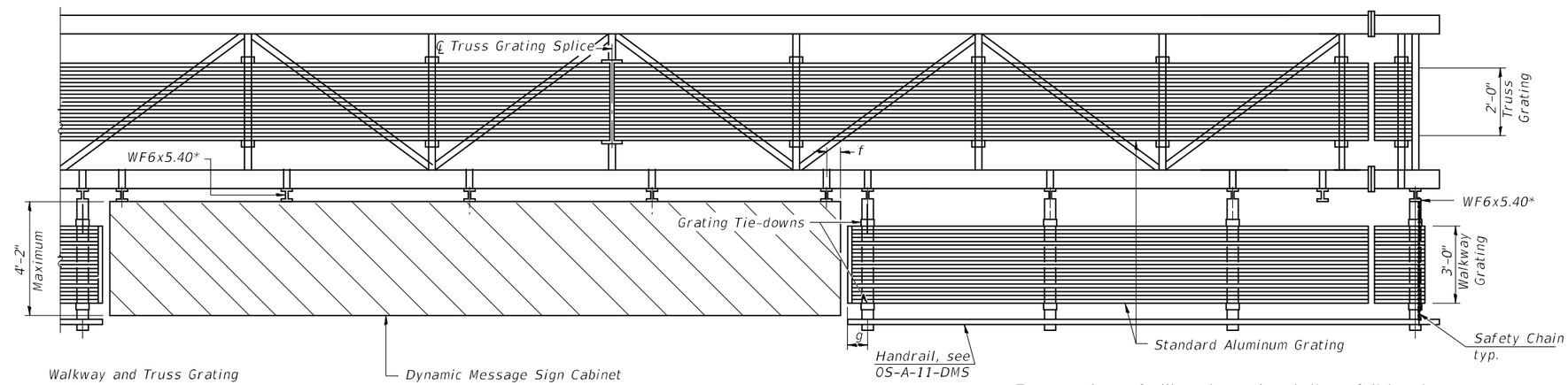
Bracket and grating dimensions are nominal and will vary based on actual DMS cabinet dimensions plus manufacturer's mounting devices.

① If walkway is required left of the DMS cabinet, a=1'-6" and b=walkway lengths. If walkway is not required left of the DMS cabinet, b=0 and "a" is dimension from left support frame to left end of cabinet.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

BRACKET TABLE

WF6x5.40 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Grating and handrail splices placed as needed.

Structure Number	Station	a	b	c	Ls	Walkway Grating and Handrail Lengths
5 S 057 1074 L136.11	754+65		10'-0"	10'-0"	EXACT	10' +LT.+ & 10' +RT.+
5 S 057 1055 R153.71	516+80		10'-0"	10'-0"	DIMENSIONS	10' +LT.+ & 10' +RT.+
5 S 057 1074 R122.99	1695+10		10'-0"	10'-0"	OF DMS	10' +LT.+ & 10' +RT.+
5 S 057 1039 L003.21	268+50		10'-0"	10'-0"	CABINETS	10' +LT.+ & 10' +RT.+
5 S 057 1055 L172.01	310+20		10'-0"	10'-0"	UNKNOWN	10' +LT.+ & 10' +RT.+

Notes:
* Space walkway brackets WF6x5.40 for e ciency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets, WF6x5.40

Maximum DMS weight = 5000 lbs. 4'-2" maximum cabinet depth includes depth of cabinet plus connection to WF6x5.40.
For Section B-B and Grating Splice Details, see Base Sheet OS-A-10-DMS.
For Handrail Splice Details, see Base Sheet OS-A-11-DMS.

OS-A-9-DMS 2-17-2017

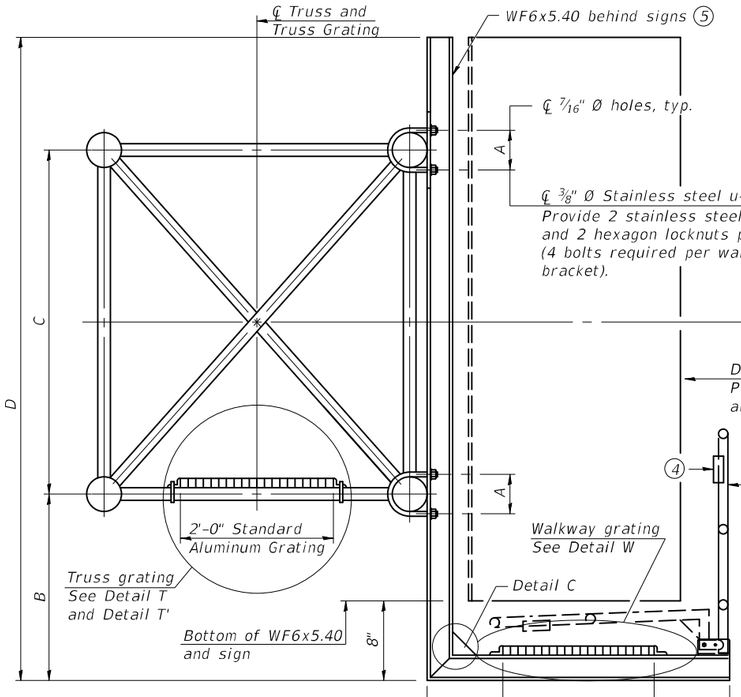
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

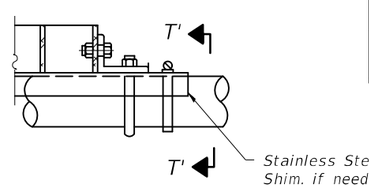
OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS FOR DMS

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	28
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

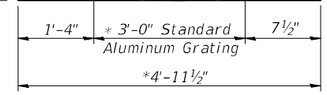
MODEL: Overhead Sign Structures Alternate AL Walkway Details for DMS Sheet 1
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570285-Sht-DMS_Details.dgn





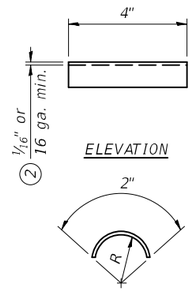
DETAIL T'

(Truss grating splice)
Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.

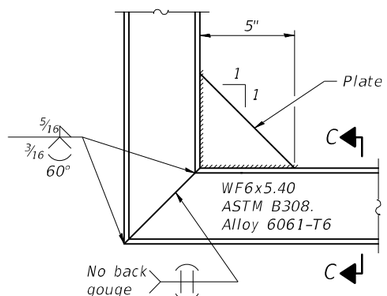


SECTION B-B

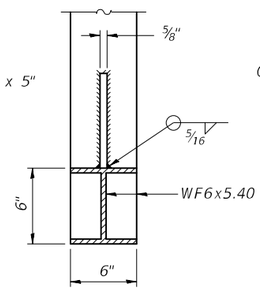
* Bracket and grating dimensions are nominal and will vary based on actual DMS cabinet dimensions plus manufacturer's mounting devices.



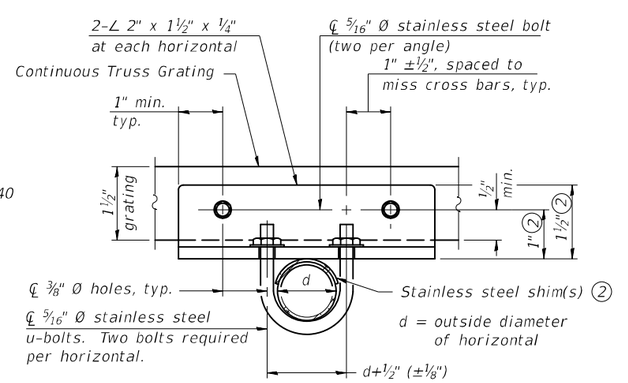
SHIM DETAIL



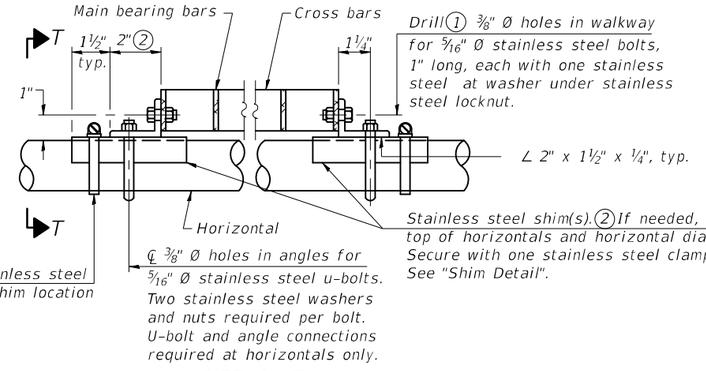
DETAIL C



SECTION C-C

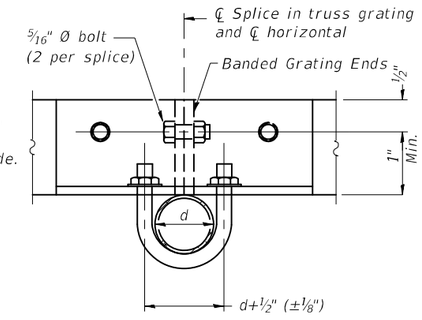


SECTION T-T

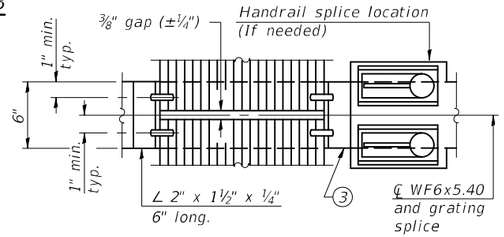


DETAIL T

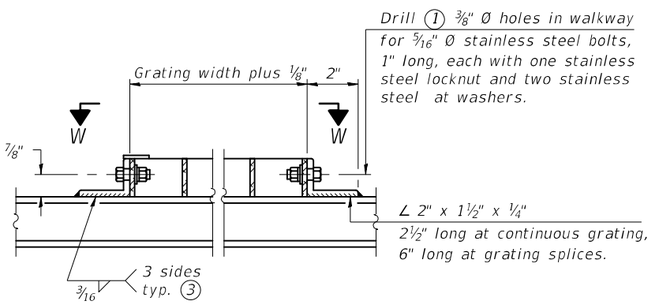
(Continuous Truss grating)



SECTION T'-T'

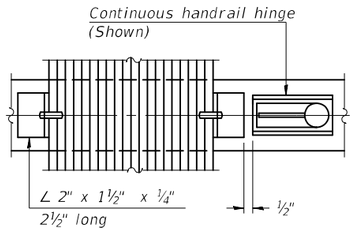


(AT WALKWAY GRATING SPLICE)



DETAIL W

(Walkway grating)



(CONTINUOUS WALKWAY GRATING)

SECTION W-W

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

Cross bars shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 $in.^3$ per bar, a depth of 1½", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	(6) B	C	(6) D
S S 057 1074 L136.11	754+65			7'-0"	
S S 057 1055 R153.71	516+80			7'-0"	
S S 057 1074 R122.99	1695+10			7'-0"	
S S 057 1039 L003.21	268+50			7'-0"	
S S 057 1055 L172.01	310+20			7'-0"	

1. Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
2. Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
3. If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars. (See Base Sheet OS-A-11.)
4. PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.
5. Cabinet manufacturer must design and supply hardware for connection of cabinet to WF6's. Bolts must be stainless steel or hot dip galvanized high strength per IDOT speci cations.
6. Based on actual height of tallest sign given on OS-A-1. Exact Dimensions of DMS Cabinets Unknown

MODEL: Overhead Sign Structures Alternate AL Walkway Details for DMS Sheet 2
FILE NAME: c:\pw_work\pwidot\projects\d0822253\D570G85-SH-DMS_Details.dgn

OS-A-10-DMS 2-17-2017

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
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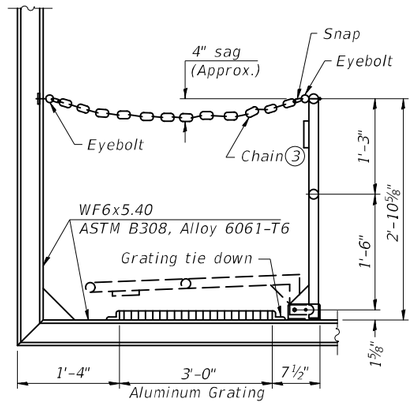
OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS FOR DMS

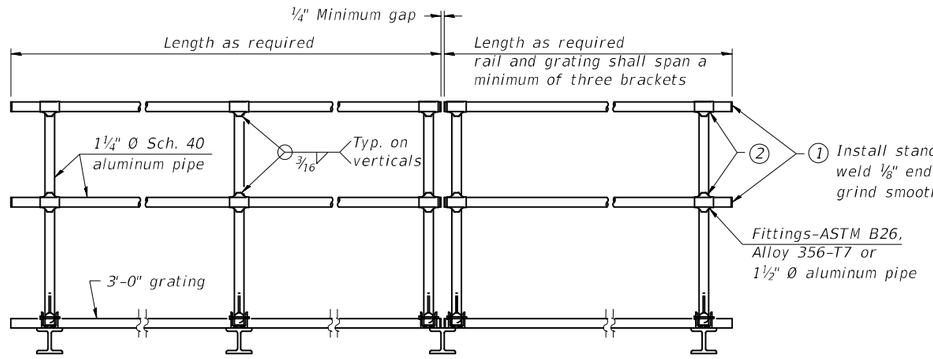
SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	29
		CONTRACT NO. 70G85		
	ILLINOIS FED. AID PROJECT			

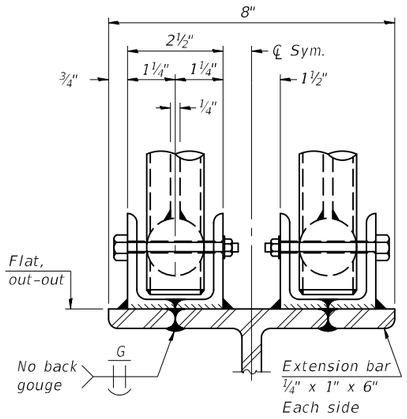


SIDE ELEVATION

(Showing safety chain w/o sign)



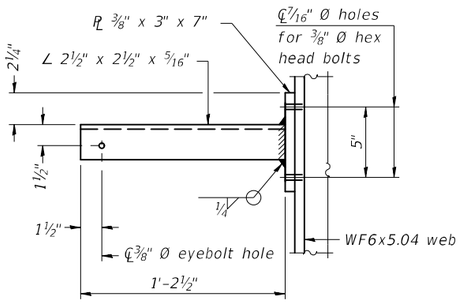
FRONT ELEVATION



ELEVATION AT HANDRAIL JOINT ④

HANDRAIL DETAILS

Handrail pipe shall be ASTM B241, Alloy 6063-T6 or Alloy 6061-T6.

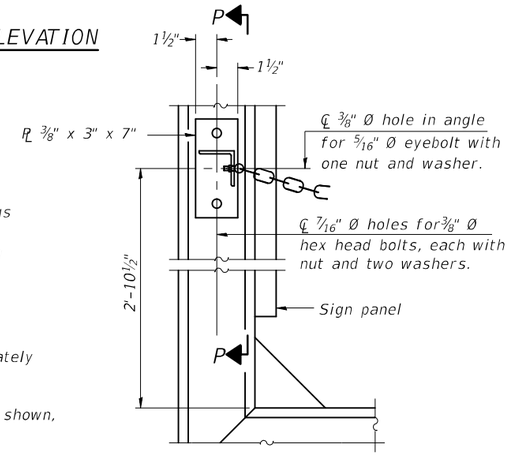


SECTION P-P

② Horizontal handrail member shall be continuous thru tting. Provide 7/16" Ø hole in tting for ⅜" Ø bolt. Field drill 7/16" Ø hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16" eyebolts in 7/16" Ø holes on top rail at ends only.)

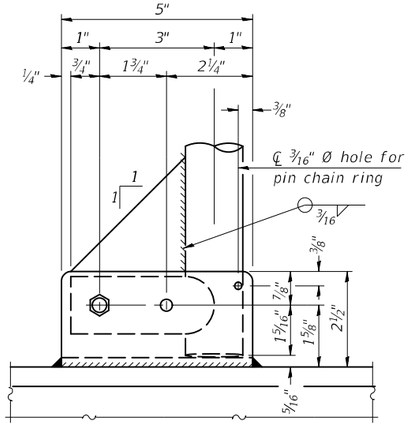
③ 3/16" type 304L stainless steel chain, approximately 12 links per foot.

④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.

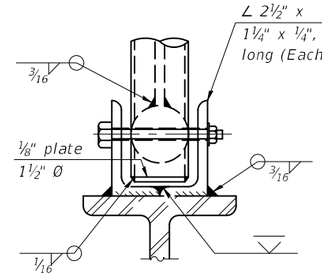


ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"

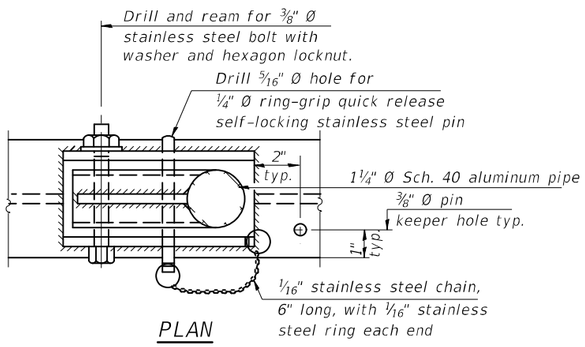


SIDE ELEVATION

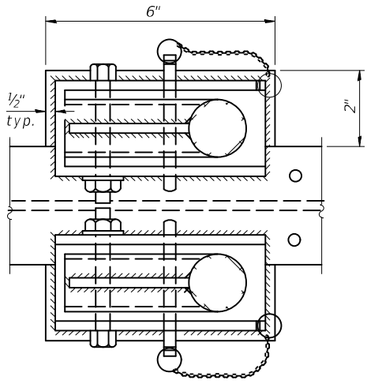


FRONT ELEVATION

See "ELEVATION" at right for dimensions.

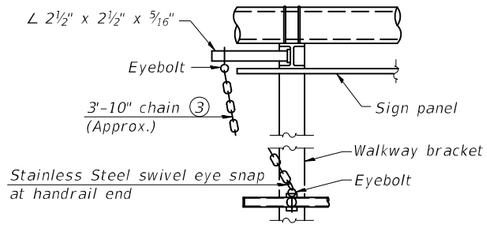


PLAN
DETAIL E HANDRAIL HINGE



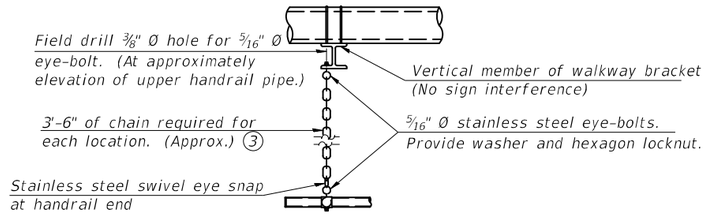
PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details
(Walkway omitted for clarity)



SAFETY CHAIN

One required for each end of each walkway.

MODEL: Overhead Sign Structures Alternate AL Handrail Details for DMS
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-SH-DMS_Details.dgn

OS-A-11-DMS 2-17-2017

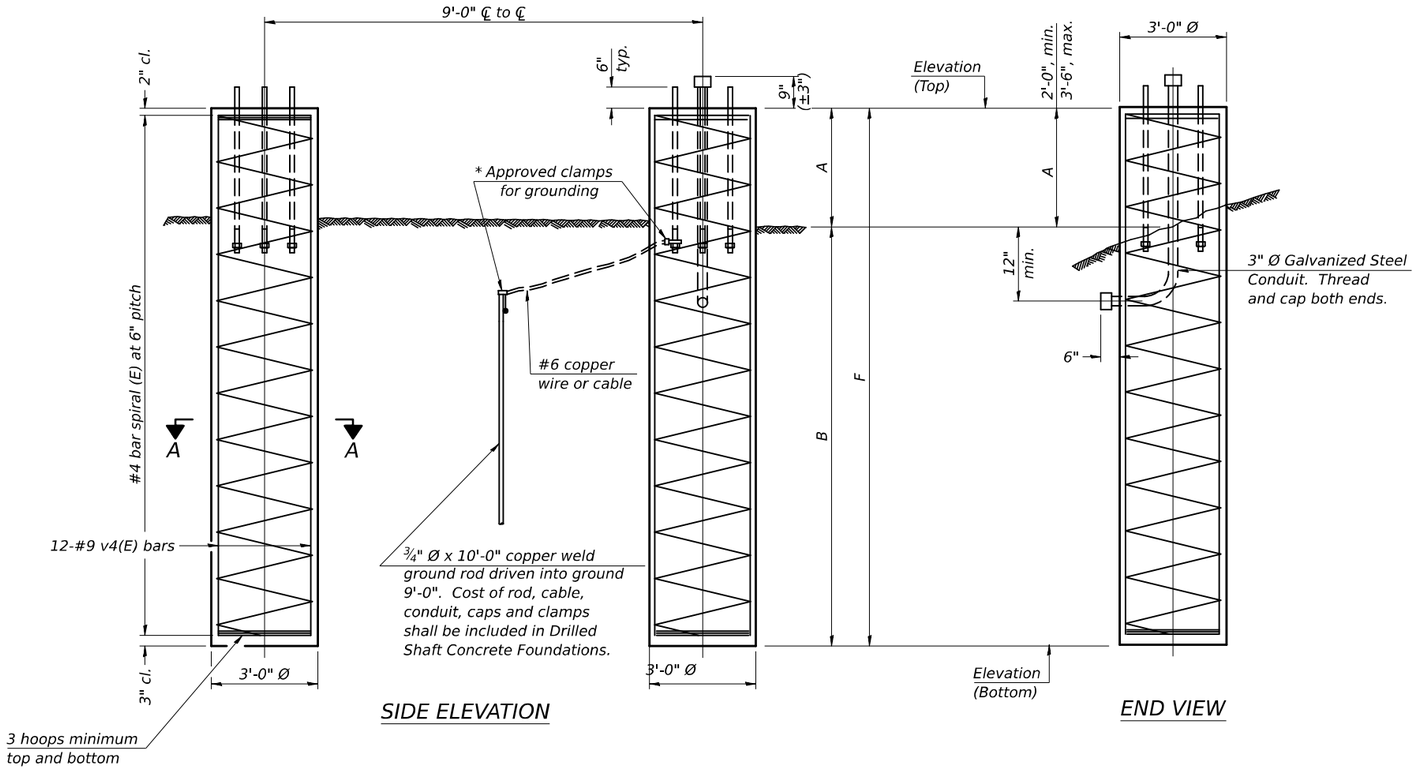
USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM HANDRAIL DETAILS FOR DMS

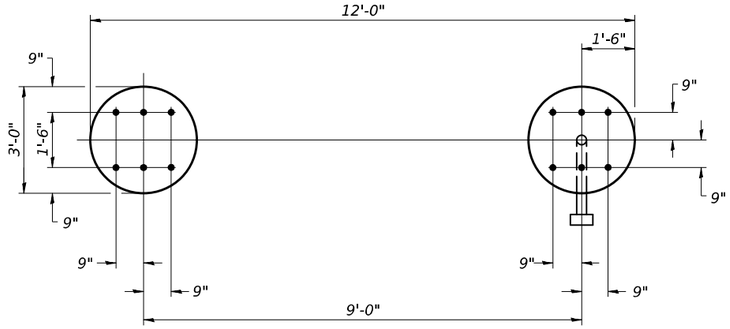
SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	30
		CONTRACT NO. 70G85		
		ILLINOIS	FED. AID PROJECT	



SIDE ELEVATION

END VIEW



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	———
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

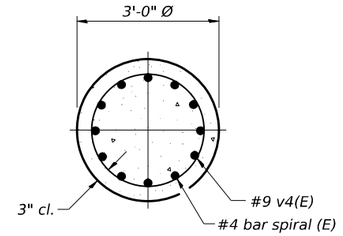
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



SECTION A-A

DETAILS FOR 12" Ø SUPPORT FRAME TYPE III-A TRUSS

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
5 S 057 I074 L136.11	754+65	819.88	798.45	3.43'	18'-0"	21.43'	821.88	800.88	3.00'	18'-0"	21.00'	22.3
5 S 057 I055 R153.71	516+80	748.25	727.25	3.00'	18'-0"	21.00'	747.25	726.43	2.82'	18'-0"	20.82'	22.0
5 S 057 I074 R122.99	1695+10	810.08	789.08	3.00'	18'-0"	21.00'	808.08	786.98	3.10'	18'-0"	21.10'	22.1
5 S 057 I039 L003.21	268+50	795.90	774.90	3.00'	18'-0"	21.00'	795.90	774.90	3.00'	18'-0"	21.00'	22.0
5 S 057 I055 L172.01	310+20	771.21	750.21	3.00'	18'-0"	21.00'	770.21	749.55	2.66'	18'-0"	20.66'	21.9

OS4-F4

5-15-2023

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	31
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

MODEL: Overhead Sign Structures Drilled [Sheet]
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Shs-Details.dgn

SOIL BORING LOG
5 S 057 I074 L136.11

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/10/00

ROUTE FAI 39,FAI 74,FAI 55 DESCRIPTION MESSAGE BOARD TRUSS FOUNDATION NEAR IC RAILROAD OVERHEAD LOGGED BY K.W.

SECTION VARIOUS LOCATION SW 1/4, SEC. 22, TWP. 23N, RNG. 2E, 3 PM

COUNTY MCLEAN DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. _____
Station _____

BORING NO. 3 I-74 WBL MEDIAN
Station 752+90
Offset _____
Ground Surface Elev. _____ ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion NONE ft
After _____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED. TOPSOIL over Gray SILTY CLAY TILL			
	4		
Hard Gray SILTY CLAY LOAM TILL	5 6	4.0+ P	12
-5			
Very Stiff Gray SILTY CLAY LOAM TILL	3		
	5 6	3.1 B	13
	3		
	5 8	3.1 B	13
-10	3		
	5 4	3.1 B	14
	3		
	4 6	2.7 B	14
Stiff Gray SILTY CLAY LOAM TILL -15	3		
	4 7	1.8 B	14
Very Stiff Gray CLAY TILL	3		
	5 7	2.7 B	17
-20			
Hard Gray SILTY CLAY LOAM TILL *(continued)*	3		
	7 8	4.2 B	14
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

310

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/18/00

ROUTE FAI 39,FAI 74,FAI 55 DESCRIPTION MESSAGE BOARD TRUSS FOUNDATION NEAR IC RAILROAD OVERHEAD LOGGED BY K.W.

SECTION VARIOUS LOCATION SW 1/4, SEC. 22, TWP. 23N, RNG. 2E, 3 PM

COUNTY MCLEAN DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. _____
Station _____

BORING NO.4 I-74 WBL SHOULDER
Station 752+90
Offset _____
Ground Surface Elev. _____ ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion NONE ft
After _____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
BITUMINOUS SHOULDER & GRAVEL BASE over Gray SILTY CLAY LOAM TILL			
	7		
Hard Gray SILTY CLAY LOAM TILL	7 8	8.0 B	10
-5	10		
	6 6	5.3 B	12
Stiff Gray SILTY CLAY LOAM TILL	6		
	7 15	1.9 B	14
-10	4		
	5 -	1.9 B	14
	4		
	6 10	1.0 P	17
Stiff Gray CLAY TILL -15	5		
Very Stiff Gray SILTY CLAY LOAM TILL	4 10	2.0 B	16
	4		
	5 11	2.0 B	13
-20			
Very Stiff Gray SILTY CLAY LOAM TILL *(continued)*	8		
	8 17	2.5 B	13
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

310

MODEL: Soil Boring Logs Sheet 1
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Shi-DMS_Details.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

SOIL BORING LOGS
S.N. 5 S 057 I074 I136.11

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	32
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOG
5 S 057 I055 R153.71

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/26/00

ROUTE FAI 39,FAI 74,FAI 55 DESCRIPTION MESSAGE BOARD TRUSS FOUNDATION NEAR SHIRLEY LOGGED BY K.W.

SECTION VARIOUS LOCATION NW 1/4, SEC. 36, TWP. 23N, RNG. 1E, 3 PM

COUNTY MCLEAN DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. _____
Station _____

BORING NO. 7 I-55 NBL MEDIAN
Station 517+00
Offset _____
Ground Surface Elev. _____ ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion DEPTH @ 22.5' ft
After ____ Hrs. _____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
BITUMINOUS SHOULDER, GRAVEL BASE, Over Brown SILTY LOAM				
		4		
Stiff Brown SILTY LOAM		3 3	1.5 B	15
Stiff Brown SILTY CLAY LOAM TILL	-5	1		
		2 3	0.9 B	14
Very Stiff Brown SILTY CLAY LOAM TILL		3		
		4 5	2.0 P	14
Very Stiff Gray SILTY CLAY LOAM TILL	-10	3		
		4 5	2.7 B	14
		2		
		3 6	2.7 B	13
	-15	3		
		4 8	2.1 B	13
		3		
		5 6	2.7 B	19
	-20			
Very Stiff Gray SILTY CLAY LOAM TILL *(continued)*		3		
		5 6	2.7 B	13
Hard Gray Very Rocky SILTY LOAM TILL	-25	17		
		61 71	4.5+ P	8
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

312

BBS, from 137 (Rev. 8-99)

SOIL BORING LOG
5 S 057 I074 R122.99

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/11/00

ROUTE FAI 39,FAI 74,FAI 55 DESCRIPTION MESSAGE BOARD TRUSS FOUNDATION NEAR EBL WEIGH STATION LOGGED BY K.W.

SECTION VARIOUS LOCATION NE 1/4, SEC. 9, TWP. 24N, RNG. 2E, 3 PM

COUNTY MCLEAN DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. _____
Station _____

BORING NO. 8 I-74 EBL SHOULDER
Station 51+700
Offset _____
Ground Surface Elev. _____ ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion DEPTH @ 25.5' ft
After ____ Hrs. _____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black to Brown SILTY CLAY				
		2		
Stiff Brown to Gray SILTY CLAY		2 4	1.9 P	27
Soft Gray to Brown SILTY LOAM & SILT	-5	2		
		3 4	0.4 B	26
Very Soft Brown to Gray SILTY LOAM		2		
Loose Brown SAND & Fine GRAVEL		3 6	-	
Medium (Loose) Brown SANDY LOAM with Layers of Fine SAND & Gray CLAY	-10	2		
		2 5	0.7 P	24
Loose Gray SILT		3	-	23
		4		
Very Stiff Gray SILTY CLAY TILL		6	3.5 P	16
	-15	3		
		5 6	3.1 B	13
		4		
		8 8	3.6 B	13
	-20			
Very Stiff Gray SILTY CLAY TILL *(continued)*		4		
		6 7	3.3 B	14
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

313

BBS, from 137 (Rev. 8-99)

MODEL: Soil Boring Logs Sheet 2
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Shi-DMS_Details.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
S.N. 5 S 057 I055 R153.71 & S.N. 5 S 057 I074 R122.99
SCALE: 1" = 30' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	33
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOG
5 S 057 I039 L003.21

Illinois Department of Transportation
Division of Highways
IL DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Date 8/31/21

ROUTE FAI 39 (I-39) **DESCRIPTION** I-39 SB 1/2 MILE SOUTH OF HUDSON **LOGGED BY** DDB

SECTION McLean Co ITS/DMS **LOCATION** SW 1/4, **SEC.** 28, **TWP.** 25N, **RNG.** 2E, 3rd **PM.**, **GPS:**

COUNTY McLean Co **DRILLING METHOD** HSA **HAMMER TYPE** AUTO

STRUCT. NO. NA
Station

BORING NO. 1
Station 268+55.61
Offset 88.74ft LT
Ground Surface Elev. 789.91 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)
BLACK TOPSOIL			
788.41			
REDDISH-BROWN MOTTLED CLAY			
	2		
	2	3.5	21.2
-5	1	P	
	2		
	2	0.7	16.3
	3	B	
	3		
779.91 -10	3	1.7	14.5
	5	B	
STIFF BROWN CLAY TILL			
	5		
	7	2.9	13.4
	9	B	
	5		
	5	4.1	11.9
-15	7	B	
773.91			
STIFF GRAY CLAY TILL	4		
	6	3.9	11.1
	7	B	
	6		
-20	7	5.4	10.9
	8	B	

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)
STIFF GRAY CLAY TILL *(continued)*			
	5		
	7	4.9	11.0
	10	B	
	6		
	9	5.6	14.3
-25	13	B	
	3		
	5	3.9	10.8
759.91 -30	7	B	
End of Boring			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

SOIL BORING I-39 SB SOUTH OF HUDSON.GPJ IL_DOT.GDT 9/21/21

SOIL BORING LOG
5 S 057 I055 L172.01

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 1/31/00

ROUTE FAI 39,FAI 74,FAI 55 **DESCRIPTION** MESSAGE BOARD TRUSS FOUNDATION NEAR TOWANDA M.P. 172 **LOGGED BY** K.W.

SECTION VARIOUS **LOCATION** NW 1/4, **SEC.** 5, **TWP.** 24N, **RNG.** 3E, 3 **PM**

COUNTY MCLEAN **DRILLING METHOD** HOLLOW STEM AUGER **HAMMER TYPE** AUTOMATIC

STRUCT. NO.
Station

BORING NO. 9 I-55 SBL MEDIAN
Station 310+00
Offset
Ground Surface Elev. ft ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion NONE ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Topsoil over Brown SILTY CLAY LOAM			
	4		
Very Stiff Brown SILTY CLAY LOAM TILL	6	4.0	13
	8	P	
-5	3		
	4	2.2	13
	5	B	
Stiff Gray SILTY CLAY TILL	2		
	3	1.3	11
	4	B	
-10	4		
	4	1.2	12
	4	P	
Very Stiff Gray SILTY CLAY LOAM TILL	3		
	4	2.2	12
	6	B	
-15	3		
	4	2.4	10
	7	B	
-20			

314

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

MODEL: Soil Boring Logs Sheet 3
FILE NAME: c:\pw_work\pwidot\projects\d0882253\D570G85-Sh-DMS_Details.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 10/10/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
S.N. 5 S 057 I039 L003.21 & S.N. 5 S 057 I055 L172.01

SCALE: 1" = 30' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 ITS 2025-1	MCLEAN	34	34
		CONTRACT NO. 70G85		
	ILLINOIS	FED. AID PROJECT		