06-12-2015 LETTING ITEM 146

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33-38 CROSS SECTIONS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

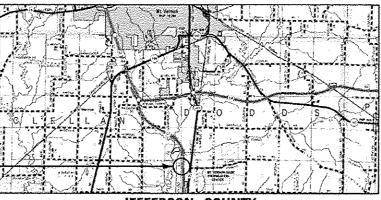
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI ROUTE 57 (I-57) SECTION D9 ITS SIGNING 2013-1

CHANGEABLE MESSAGE SIGNS SURVEILLANCE JEFFERSON /WILLIAMSON COUNTY

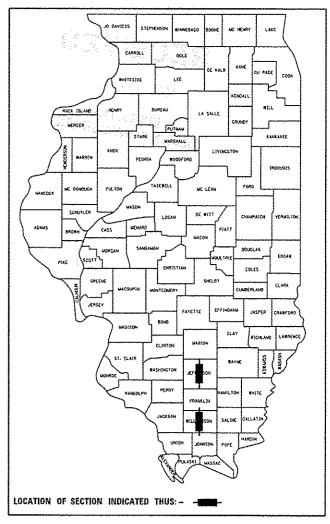
C-99-013-13





57 D9 ITS SIGNING 2013-1 38 1 ILLINOIS CONTRACT NO. 78337

D-99-011-13



HIGHWAY STANDARDS

701401-09
701406-09
701428
701901-04
878001-10

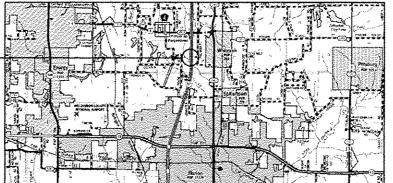
I-57 SOUTHBOUND STA. 432 + 50 MM 88.63 STR. NO. 9S041I057L088.6

I-57 NORTHBOUND

STA, 292 + 50 MM 56.56

STR. NO. 9S100I057R056.6





WILLIAMSON COUNTY

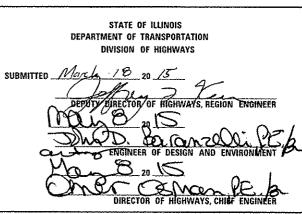
THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION: SHEETS 1, 3-7, 9-10, 13-14, 17-28, 33-38

Rondol A. Grubermon, P.E. License Expires 11/30/2015

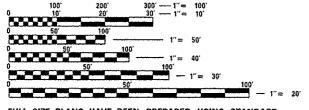
License Expires 11/30/2015

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION: SHEETS 2, 12, 16, 29-32

EFK Moen, LLC



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT ENGINEER: JOE ZDANKIEWICZ (618-351-5220) PROJECT MANAGER

CONTRACT NO. 78337

SYSTEMS (ITS)		EXISTING (E	X) PROPOSED (PR)
CCTY POLE		0	•
CLOSED CIRCUIT TV		© 1	©
DYNAMIC MESSAGE SIGN	,		DMS
CELLULAR MODEM		Ĝ	å
~			
UNDERGROUND UTILITY ITEMS	<u>EX</u>	<u>PR</u>	ABANDONED
ELECTRIC CABLE	-E	—- Е	-/ E/-
FIBER OPTIC CONDUIT (SPARE)	- FO	F0	-/F0/-
DATA CABLE	D	— D ——	D
UTILITIES ITEMS	EX	<u>P</u>	<u>1</u>
ITS CABINET	×	E	I
HANDHOLE	Ø	N	
HEAVY DUTY HANDHOLE		Œ	l
JUNCTION BOX	0	0	l
LIGHT POLE	¤)	
ELECTRIC METER	@	Œ)
POWER POLE	-O	·	-
ELECTRICAL DISCONNECT	4D	rC	I
PAD MOUNTED TRANSFORMER (480Y/240V)			I
POLE MOUNTED TRANSFORMER	•	Œ)

GENERAL NOTES

- THE COST OF SPLICES, MARKERS, PATCH PANELS AND PATCH CHORDS SHALL BE INCLUDED IN THE UNIT COST OF EACH EQUIPMENT CABINET PER THE SPECIAL PROVISIONS.
- 2. DYNAMIC MESSAGE SIGN (DMS) SUPPORTING SIGN STRUCTURE AND FOUNDATION WORK IS SHOWN ON STRUCTURAL DRAWINGS. THE INSTALLATION OF THESE AND OTHER FOUNDATIONS, INCLUDING BUT NOT LIMITED TO CONDUITS AND GROUNDING, SHALL BE COORDINATED WITH THE ELECTRICAL WORK FOR DMS, CCTV VERIFICATION CAMERA AND OTHER RELATED EQUIPMENT.
- 3. FOR ALL INTELLIGENT TRANSPORTATIONS SYSTEMS (ITS) ASSEMBLIES/EQUIPMENT. SPECIAL LABELING FOR ENCLOSURES. CABLES (POWER AND COMMUNICATIONS), EQUIPMENT. ETC. SHALL BE PROVIDED. THE LABELING IS REQUIRED AT BOTH ENDS OF THE ITS ASSEMBLY COMPONENT (E.G. INSIDE ENCLOSURES AT THE ITS ASSEMBLY/COMPONENT) AS WELL AS AT THE OTHER CONNECTING END (E.G. EQUIPMENT CABINET/ SERVICE ENTRANCE). THE LABELING IS ALSO REQUIRED WHERE CABLES ARE SPLICED IN HANDHOLES AND JUNCTION BOXES. ADDITIONALLY. SPARE CONDUITS INSIDE CABINETS AND FACILITIES SHALL BE LABELED AS SPARE AND A DESIGNATION OF THE OTHER END SHALL BE PROVIDED. THE COST OF LABELING SHALL BE INCLUDED IN THE WORK INCLUDING CONVERSIONS OF THE ITS ASSEMBLY/COMPONENT AS STATED IN THE RESPECTIVE ITS ASSEMBLY/COMPONENT SPECIAL PROVISION.
- 4. ANY CONDUIT, FOR ITS POWER OR COMMUNICATIONS CABLING ENTERING A POLE MOUNTED OR ABOVE GROUND ENCLOSURE, EQUIPMENT FOUNDATION, OPERATIONAL BUILDING, MAINTENANCE FACILITY SHALL BE GALVANIZED STEEL CONDUIT. THE GALVANIZED STEEL CONDUIT SHALL EXTEND A MINIMUM OF FIVE FEET (5') OUTSIDE CONCRETE FOUNDATIONS, AND A MINIMUM OF FEN FEET (10') OUTSIDE POLE MOUNTED/ABOVE GROUND ENCLOSURES. THE COST OF SUCH GALVANIZED STEEL CONDUIT SHALL BE INCLUDED IN THE ELECTRICAL WORK FOR THE EQUIPMENT BEING CONNECTED.
- 5. THE CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER AND THE IT DATA COMMUNICATION MANAGER. IN ADVANCE OF, ANY IMPACT TO ITS EQUIPMENT BY CONSTRUCTION (INSTALL, REMOVE, RELOCATE, DISCONNECT OR MODIFY).
- 6. EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED. IN THE CONTRACT.
- UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE SHOWN IN THE PLANS.
- 8. EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE DNLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST OR THE EXISTENCE OF WHICH WAS NOT KNOWN AT THE TIME OF DRAWING PREPARATION, IT IS THE SOLE RESPONSIBILITY OF CONTRACTORIS) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES DURING CONSTRUCTION.
- 9. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLE, UTILITY POLES, SIGN POSTS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SOUARE YARD FOR GRADING AND SHAPING FORESLOPES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- 10. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED CONSTRUCTION LIMITS. RIGHT-OF-WAY, OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED. AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- 11. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF ACRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.
- 12. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL EXISTING FIELD DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

ITS NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO PERFORMING ANY EXCAVATION, INSTALLING GROUND ROD AND/OR FOUNDATIONS.
- 2. LOCATIONS OF ITS AND POWER ELEMENTS ARE APPROXIMATE. FINAL LOCATIONS WILL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL STAKE FIELD LOCATIONS AND THE DEPARTMENT WILL VERIFY AND APPROVE FINAL LOCATIONS.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR OPERATING AND MAINTAINING PROPOSED ITS EQUIPMENT.
 THE COST OF SUCH MAINTENANCE AND OPERATION IS INCLUDED IN EACH TYPE OF PROPOSED
 ITS EQUIPMENT UNTIL FINAL ACCEPTANCE.
- 4. THE CONTRACTOR SHALL NOT DISTURB WETLAND AREAS AND/OR WATERS OF THE U.S.
- 5. THE CONTRACTOR SHALL PROVIDE THE MINIMUM SPECIFIED SLACK LENGTH OF COMMUNICATIONS LOOPED IN EACH HANDHOLE OR JUNCTION BOX. RESPECTIVE MINIMUM SLACK LENGTHS SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS. OR AS DIRECTED BY THE ENGINEER.
- 6. CATEGORY 6 CABLE SHALL BE PULLED UN-SPLICED FROM CCTV VERIFICATION CAMERA TO ITS
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DMS AND CCTV LICENSING FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL PROGRAMMING AND VIRTUAL PRIVATE NETWORK CONFIGURATION FROM THE DESIGNATED REMOTE OPERATIONS TO THE DMS AND CCTV CAMERAS. CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT IT FOR ALL PROGRAMMING AND INTEGRATION OF DMS AND CCTV CAMERAS INTO THE EXISTING DEPARTMENT NETWORK.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR THE SETUP OF CELLULAR MODEMS AT EACH DMS SITE LOCATION, CONTRACTOR SHALL VERIFY 4G CELLULAR DATA SERVICE IS AVAILABLE AT EACH LOCATION WITH CELLULAR DATA SERVICE PROVIDER.
- 10. THE CONTRACTOR SHALL PROVIDE (I) ONE YEAR OF CELLULAR DATA SERVICE VIA CONTRACTOR PROVIDED CELLULAR 4G MODEM AT BOTH DMS SITE LOCATIONS.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE SETUP OF ALL DMS AND CCTV CAMERA SOFTWARE FOR REMOTE OPERATIONS OF DMS AND CCTV SYSTEMS ON CONTRACTOR PROVIDED LAPTOP TO BE ISSUED AS PART OF THIS PROJECT.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING CCTV CAMERA VIEWS AND SETTING (RESOLUTION & FRAME RATE) WITH THE DEPARTMENT STAFF PRIOR TO FINAL INSTALLATION.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EQUIPMENT GROUNDING AND LIGHTNING PROTECTION (I.E. 1TS CABINET EQUIPMENT, CCTV POWER INJECTOR, NETWORK ELECTRONICS, CCTV CABLING, ETC.).
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NETWORK EQUIPMENT PROGRAMMING AND COORDINATING NETWORK IP AND SUBNET MASK SCHEMES WITH THE DEPARTMENT IT STAFF PRIOR TO FINAL INSTALLATION.

Prepared By: OIS AST STORE
Examined By: 15 OIS FRICT LAND

Examined By:

Examined 8v:

a a

Examined By:

DISTRICT CONSTRUCTION ENGINEER

Exomined By: DISTRICT WATERIALS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SYMBOLS, GENERAL & ITS NOTES

SCALE: N.A.

| F.A.I. | SECTION | COUNTY | TOTAL | SMEETS | NO. |
|-57 | 09 | 175 | SIGNING | 2013-1 | SMEETS | NO. |
|-58 | CONTRACT | NO. | 78337

SHEET 1 OF 1 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

				CONSTRUC	TION CODE
			·	JEFFERSON	WILLIAMSON
			1	TRAFFIC SIGNS	
CODE			TOTAL	0021	0021
NO.	I TEM	UNIT	QUANTITY	RURAL	RURAL
25000210	SEEDING, CLASS 2A	ACRE	1.25	0.75	0.5

25000400	NITROGEN FERTILIZER NUTRIENT	POUND	113	68	45
35000500	DUOSDHODUS SEDTIL IZED MUTDIENT	BOLIND	4 . 7	co	ΛE
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	113	68	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	113	68	45
25100115	MULCH, METHOD 2	ACRE	1.25	0, 75	0.5
23100113	MULCH, METHOD 2	ALKE	1.63	0.13	0.3
28000400	PERIMETER EROSION BARRIER	FOOT	364	364	
2222522	THE STAND STOR SPOTSOT ION	51011			
28000500	INLET AND PIPE PROTECTION	EACH	2	1	1
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	950	637.5	312.5
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	3	2
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	5	3	2
57100100	MOBILIZATION	L SUM	Parint	0.5	0.5
			-		
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	111	1	
70100700	TRAFFIC CONTROL AND PROTECTION. STANDARD 701406	L SUM	1	0.5	0.5
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	30	30
			A service consequence of the service		

* SPECIALTY ITEM

DESIGNED - JRD/RAG DRAWN - JRD CHECKED - SLD FILE NAME : USER HAME = Jd REVISED -REVISED -11/14010 1001 D9 115/DGN/Dexign/Preli otsherts\0978337-003-006-800.dgn PLOT SCALE * 2.0000 1/ 10. REVISED -PLOT DATE > 3/15/2015 DATE - 3/13/15 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES SCALE: N.A. SHEET 1 OF 4 SHEETS

CONSTRUCTION CODE

EFK Moen, LLC
Civil Engineering Design

F.A.I. SECTION COUNTY STREETS NO.

57 09 ITS SIGNING 2013-1 WILLIAMSON 38 3

CONTRACT NO. 78337

				CONSTRUC	TION CODE
CODE		Application and the second sec	TOTAL	JEFFERSON TRAFFIC SIGNS 0021	WILLIAMSON TRAFFIC SIGN 0021
NO.	[TEM	UNIT	QUANTITY	RURAL	RURAL
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	Person	0.5	0.5
72700100	STRUCTURAL STEEL SIGN SUPPORT ~ BREAKAWAY	POUND	520	520	
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	171	74	97
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	13	6	7
73400100	CONCRETE FOUNDATIONS	CU YD	- 4	1.4	
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	45. 1	23. 9	21. 2
78200410	CUARDRAIL MARKERS. TYPE A	EACH	20	12	8
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	5	3	2
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	1	1
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2	1	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	490	240	250
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2000	1500	500
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	150	150	
81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	2805	2170	635

* SPECIALTY ITEM

FILE NAME :

USER NAME : Jd REVISED -Yz\34010 HOOT D9 HTS\DGN\Design\Pre1 PLOT SCALE * 2,0000 1/ in.
PLOT DATE * 3/16/2015 REVISED -REVISED -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		SUMM	ARY	OF QUANTITIES	
CALC. MA	CUEET.	2 00	4	cucere	

EFK • Moen, LLC Civil Engineering Design

				CONSTRUCTION CODE		
CODE			TOTAL	JEFFERSON TRAFFIC SIGNS 0021	WILLIAMSON TRAFFIC SIGNS 0021	
NO.	I TEM	UNIT	QUANTITY	RURAL	RURAL	
		-				
81300540	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 4"	EACH	2	1	1	
81400100	HANDHOLE	EACH	14	8	6	
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2400	1800	600	
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	900	450	450	
81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	1050		1050	
81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	3300	3300		
82700100	TRANSFORMER, GENERAL PURPOSE	EACH	2	2		
		-		**************************************	Parameter	
83062710	LIGHT POLE, WEATHERING STEEL. 35 FT. M.H., TENON MOUNT	EACH	2	1	Fresh	
		**************************************		A Committee of the Comm		
83600200	LIGHT POLE FOUNDATION. 24" DIAMETER	FOOT	1 1	5, 5	5, 5	
					e e e e e e e e e e e e e e e e e e e	
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	2	1	ţ	
		and the second second	mp.11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	-	echieren	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40	25	15	
X0323388	TRAFFIC COUNTER	EACH		1		
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	2 .	1	1	
	,			and the second s	and the second s	
X0325485	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	2	4,1,1	1	
				en e		
SPECIALTY	ITEM					

CONSTRUCTION CODE

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14

EFK • Moen, LLC Civil Engineering Design

FILE NAME 1	USER HAME = JO	DESIGNED -	JRD/RAG	REVISED -			F.A.I. SECTION	COUNTY TOTAL SHEET
Y:\14018 108T D9 IIS\00N\Dakign\Pralim\P	atsheets\0978337+803-806-500.dgn	DRAWN -	JRD	RÉVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	PIC+	JEFFERSON/ 30 E
	PLOY SCALE * 2.0000 1/ in.	CHECKED -	SLD.	REVISED -	DEPARTMENT OF TRANSPORTATION		37 03 113 Storand 2013-1	CONTRACT NO. 78337
	PLOT DATE + 3/16/2015	DATE -	3/13/15	REVISED -		SCALE: N.A. SHEET 3 OF 4 SHEETS	}	O PROJECY

CODE NO. X0325922 X0327216 X7010410 X8040305	CELLULAR MODEM CLOSED CIRCUIT TELEVISION CAMERA SPEED DISPLAY TRAILER ELECTRICAL SERVICE CONNECTION	UNIT EACH EACH CAL MO	TOTAL OUANTITY 2 2 1	JEFFERSON TRAFFIC SIGNS 0021 RURAL 1 1 0.5	WILLIAMSON TRAFFIC SIGNS 0021 RURAL 1 0.5
X8570100	DISCONNECT SWITCH	EACH	8	5	3
XIHOOlOI	NETWORK CONFIGURATION	L SUM	1	0.5	0.5
X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	470	235	235
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SO YD	448	291	157
Z0058668	CRADING AND SHAPING FORESLOPES	SQ YD	3217	2343	874
X1400103	ROAD WEATHER INFORMATION SYSTEM, COMPLETE	L SUM	1	1	
SPECIALTY	ITEM	To the control of the	and the second s		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.A. SHEET 4 OF 4 SHEETS

CONSTRUCTION CODE

SEEDING										
				NITROGEN	PHOSPHORUS	POTASSIUM				
			SEEDING	FERTILIZER	FERTILIZER	FERTILIZER	MULCH			
			CLASS 2A	NUTRIENT	NUTRIENT	NUTRIENT	METHOD 2			
STATION	STATION	SIDE	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)			
JEFFERSON	CO.									
432+00.00	433+00.00	MEDIAN	0.43	39	39	39	0.43			
432+00.00	435+25.00	RT	0.32	29	29	29	0.32			
SUBTO	TAL (JEFFE	RSON CO) =	0.75	68	68	68	0.75			
WILLIAMSO	WILLIAMSON CO.									
290+00.00	295+00.00	MEDIAN	0.50	45	45	45	0.50			
SUBTOT	AL (WILLIA	MSON CO) =	0.50	45	45	45	0.50			
		TOTALS=	1.25	113	113	113	1.25			

INLET AND PIPE PROT	ECTION	
		INLET &
		PIPE
		PROTECTION
STATION	SIDE	(EACH)
JEFFERSON CO.		
435+01	MEDIAN	1
SUBTOTAL (JEFFE	RSON CO) =	1
WILLIAMSON CO.		
294+31	MEDIAN	1
SUBTOTAL (WILLIA	1	
	TOTAL =	1

PERIMETER	EROSION B	ARRIER	
			PERIMETER
			EROSION
			BARRIER
STATION	STATION	SIDE	(FOOT)
JEFFERSON	CO.		
432+00.00	435+25.00	LT	364
SUBTO	TAL (JEFFE	RSON CO)=	364
		TOTAL =	364

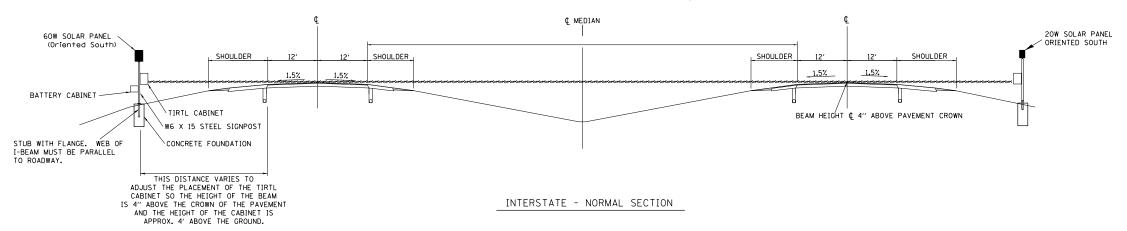
GUARDRAIL SCHEDULE									
			STEEL PLATE		TRAFFIC			НМА	
			BEAM		BARRIER			STABILIZATION	
			GUARDRAIL,		TERMINAL,	TRAFFIC	TERMINAL	6" AT STEEL	
			TYPE A,	GUARDRAIL	TYPE 1	BARRIER	MARKER	PLATE	
			6 F00T	MARKERS,	(SPECIAL)	TERMINAL	DIRECT	BEAM	
			POSTS	TYPE A	TANGENT	TYPE 2	APPLIED	GUARDRAIL	
STATION STAT	ION	SIDE	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(SQ YD)	
JEFFERSON CO.			•						
432+44.00 434+9	3.99	LT	187.5	4	1	1	1	89	
432+85.41 435+7	2.90	LT	225	4	1	1	1	101	
429+27.07 432+1	4.57	RT	225	4	1	1	1	101	
SUBTOTAL (JEFFE	RSON CO) =	637.5	12	3	3	3	291	
WILLIAMSON CO.									
292+59.81 294+7	2.30	LT	150	4	1	1	1	76	
290+22.75 292+4	7. 74	RT	162.5	4	1	1	1	81	
SUBTOTAL (W	ILLIA	MSON CO) =	312.5	8	2	2	2	157	
		TOTALS=	950	20	5	5	5	448	

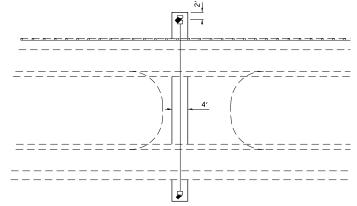
LIGHT POLE SCHEDULE									
		LIGHT POLE,	LIGHT POLE	BREAKAWAY DEVICE,					
		WEATHERING	FOUNDATION,	COUPLING WITH					
		STEEL,	24" DIAMETER	STAINLESS					
		35 FT. M.H.,		STEEL SCREEN					
		TENON MOUNT							
STATION	OFFSET	(EACH)	(FOOT)	(EACH)					
JEFFERSON CO.									
434+50.00	88.00′ LT.	1	5.5	1					
SUBTOTAL (J	EFFERSON CO) =	1	5.5	1					
WILLIAMSON CO	•								
294+50.00	96.00′ LT.	1	5.5	1					
SUBTOTAL (WI	LLIAMSON CO) =	1	5.5	1					
		2	11.0	2					

GRADING AND SHAPING FORESLOPES								
		GRADING						
			AND					
			SHAPING					
			FORESLOPES					
STATION	STATION	SIDE	(SQ YD)					
JEFFERSON CO.								
432+00.00	435+25.00	LT	1,322					
429+00.00	432+50.00	MEDIAN / RT	473					
432+50.00	436+00.00	MEDIAN / LT	548					
	SUBTOTAL (JI	EFFERSON CO) =	2,343					
WILLIAMSON CO								
290+00.00	295+00.00	MEDIAN / LT	390					
290+00.00	295+00.00	MEDIAN / RT	484					
	SUBTOTAL (WI	LLIAMSON CO) =	874					
		TOTALS=	3, 217					

EFK • Moen, LLC Civil Engineering Design

FILE NAME =	USER NAME = jd	DESIGNED - SJF	REVISED -				F.A.I. SECTION	COUNTY TOTAL SHEET
Y:\14010 IDOT D9 ITS\DGN\Design\Prelim\F	lotsheets\D978337-007-schedule.dgn	DRAWN - SJF	REVISED -	STATE OF ILLINOIS		SCHEDULE OF QUANTITIES	57 D9 ITS SIGNING 2013-1	JEFFERSON/ 38 7
	PLOT SCALE = 100.0000 '/ in.	CHECKED - SLD	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 78337
	PLOT DATE = 3/16/2015	DATE - 3/13/15	REVISED -		SCALE: N.A.	SHEET 1 OF 1 SHEETS	ILLINOIS FED.	





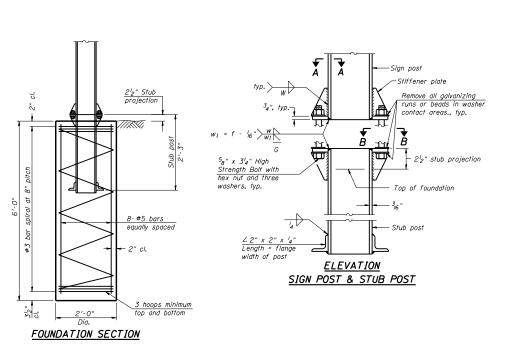
LOCATION: THE FIRST CROSS-OVER SOUTH OF WEATHER STATION

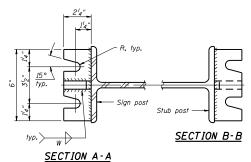
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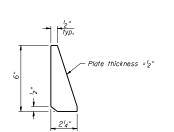
- SYSTEM CONSISTS OF TWO W6 X 15 I-BEAM SIGNPOSTS WITH CONCRETE FOUNDATION AND A FLANGE WITH BREAKAWAY BOLTS
- 2. THE I-BEAMS ARE 12' LONG AND DRILLED AS PER THE I-BEAM DETAIL TO ACCOMODATE A PIPE TO ALLOW THE MOUNTING OF THE SOLAR PANEL.
- 3. THE WEB OF THE I-BEAM IS TO BE PLACED PARALLEL TO THE LANES.
- 4. THE TWO POSTS MUST BE PLACED DIRECTLY ACROSS FROM EACH OTHER AND PERPENDICULAR TO THE LANES.
- 5. TWO POSTS ARE REQUIRED LOCATED AS PER THE DRAWING.
- 6. THE CABINETS ARE ATTACHED TO THE I-BEAM USING $8^{\prime\prime}$ GALVANIZED J-BOLTS.
- 7. THE BOTTOM OF THE CABINET HEIGHT MUST BE NO LOWER THAN 4' ABOVE THE GROUND AND BE ABLE TO VIEW ACROSS ALL LANES AT THE CROWN OF THE PAVEMENT.
- 8. THE IDOT OFFICE OF PLANNING AND PROGRAMMING DATA MANAGE-MENT LAB (RAMON TAYLOR OF RICH MARX 217-782-2065) SHALL BE NOTIFIED TWO WEEKS PRIOR TO THE LAYOUT AND SHALL BE PRESENT DURING THE PLACEMENT OF THE POST FOUNDATIONS.

TIRTL TRAFFIC COUNTER SCHEDULE OF QUANTITIES (FOR INFORMATION ONLY)

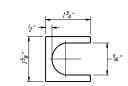
CODE NUMBER	ITEM	UNIT	QUANTITY
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520
73400100	CONCRETE FOUNDATIONS	CU YD	1.4
X0323388	TRAFFIC COUNTER SYSTEM	EACH	1
	TIRTL TRAFFIC DATA COLLECTION SYSTEM INCLUDES:		
	Sierra Wireless LS300 EVDO Rev. A VZW	EACH	1
	PHANTOM DUAL BAND ANTENNA P/N RF-ART183055P/281	EACH	1
	TIRTL CABINET 15" X 27" X 16"	EACH	2
	BATTERY CABINET 16.5" X 16" X 11.5" BBAIM w/ #2 Police Lock	EACH	1
	SOLAR PANEL 60 W 12 VDC	EACH	1
	SOLAR PANEL 20 W 12 VDC	EACH	1
	SOLAR CHARGE REGULATOR 6 AMP 12 VDC	EACH	2
	BATTERY - 33 AH ABSORBED ELECTROLYTE 8" X 5.5" X 7" (DEEP CYCLE	EACH	1
	BATTERY - 80 AH ABSORBED ELECTROLYTE 10" X 6" X 8" (DEEP CYCLE)	EACH	1







STIFFENER PLATE DETAIL



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

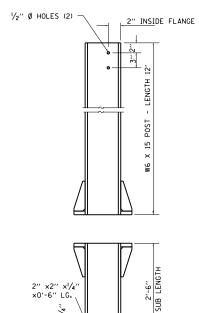
GENERAL NOTES

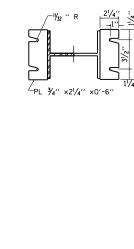
Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign. DESIGN STRESSES:

Structural steel - 20,000 p.s.i. Reinforcing steel - 20,000 p.s.i. Concrete - 1,400 p.s.i. Footing soil pressure - 2,000 p.s.f.

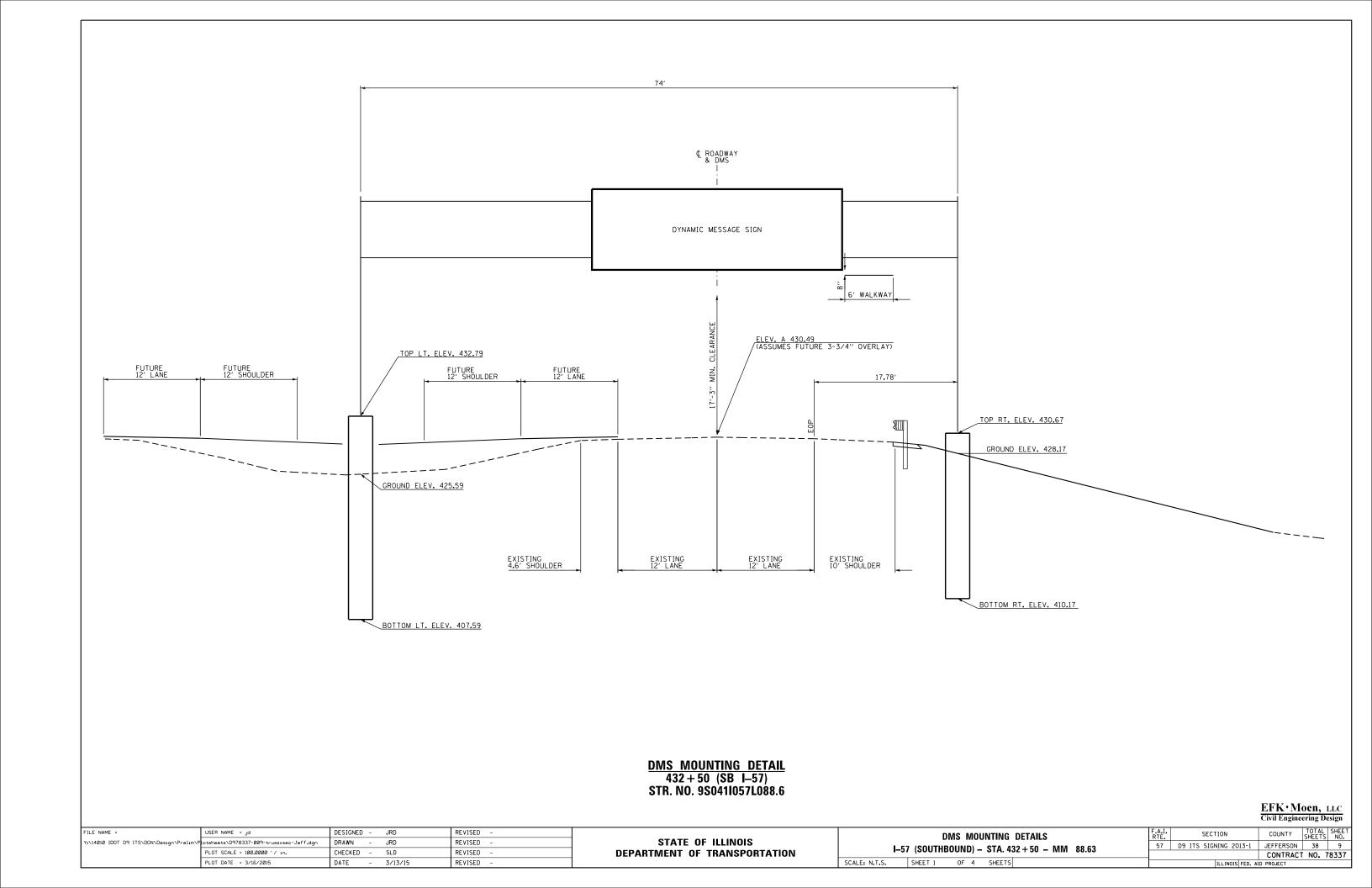
After fabrication, the post and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO MIII. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.





BREAK-AWAY WIDE FLANGE STEEL POST DETAILS

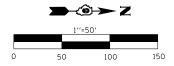
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	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRAC	T NO. 7	3337
\$MODELNAME\$	PLOT DATE = 3/16/2015	DATE - 3/13/15	REVISED -		SCALE: N.A.	SHEET 1 OF 1 SHEETS		ILLINOIS FED. A	ID PROJECT		



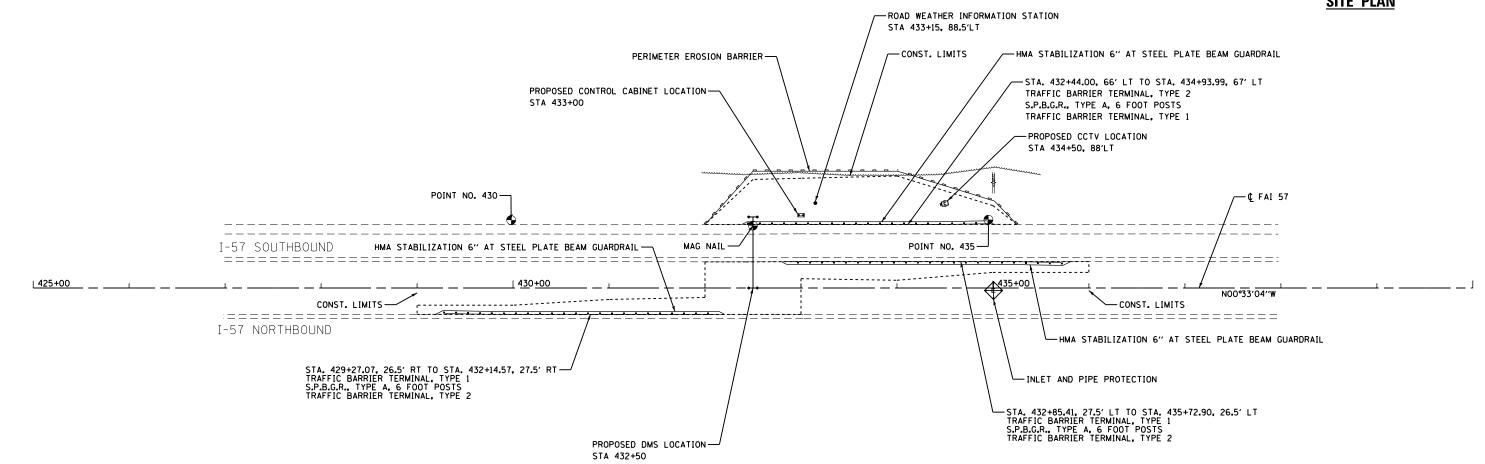
OVERHEAD SIGN STRUCTURE

1-57 SB - MM 88.63

STRUCTURE NO. 9S041I057L088.6



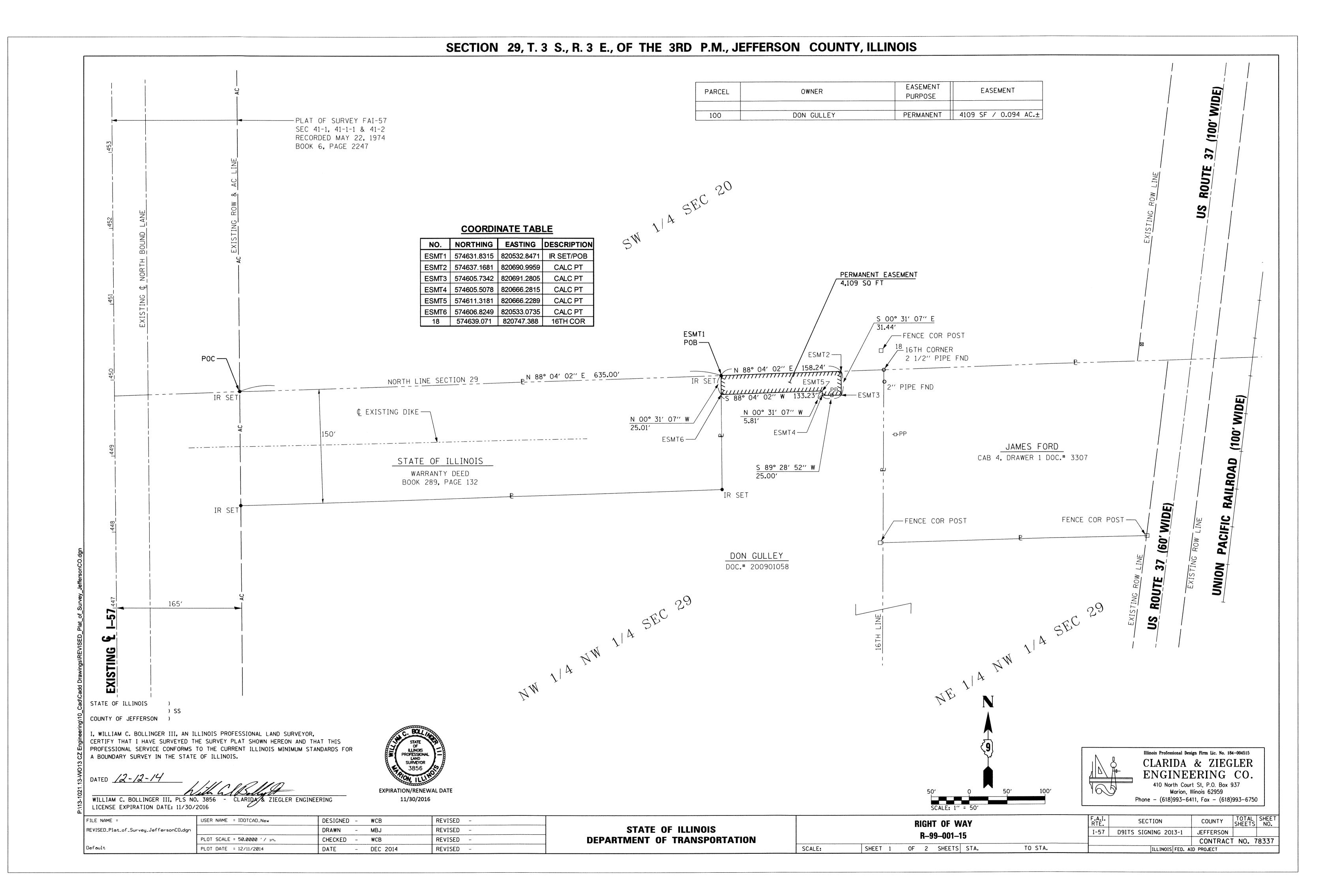
SITE PLAN



COORDINAT	COORDINATE TABLE								
JEFFERSON	COUNTY								
FIELD BOO	FIELD BOOK #3057, PGS. 32-33, NAD 83 (97adj), NAVD 88								
POINT NO.	NORTHING	EASTING	ELEV.	STATION	OFFSET	•			
435	573123.961	819676.264	428. 375′	434+95.36	71.23'	LΤ			
430	572626.611	819681.508	428. 244′	429+97.99	70. 77′	LT.			
MAG NAIL	572878.668	819684.856	429.661	432+50.00	65.00°	LT.			

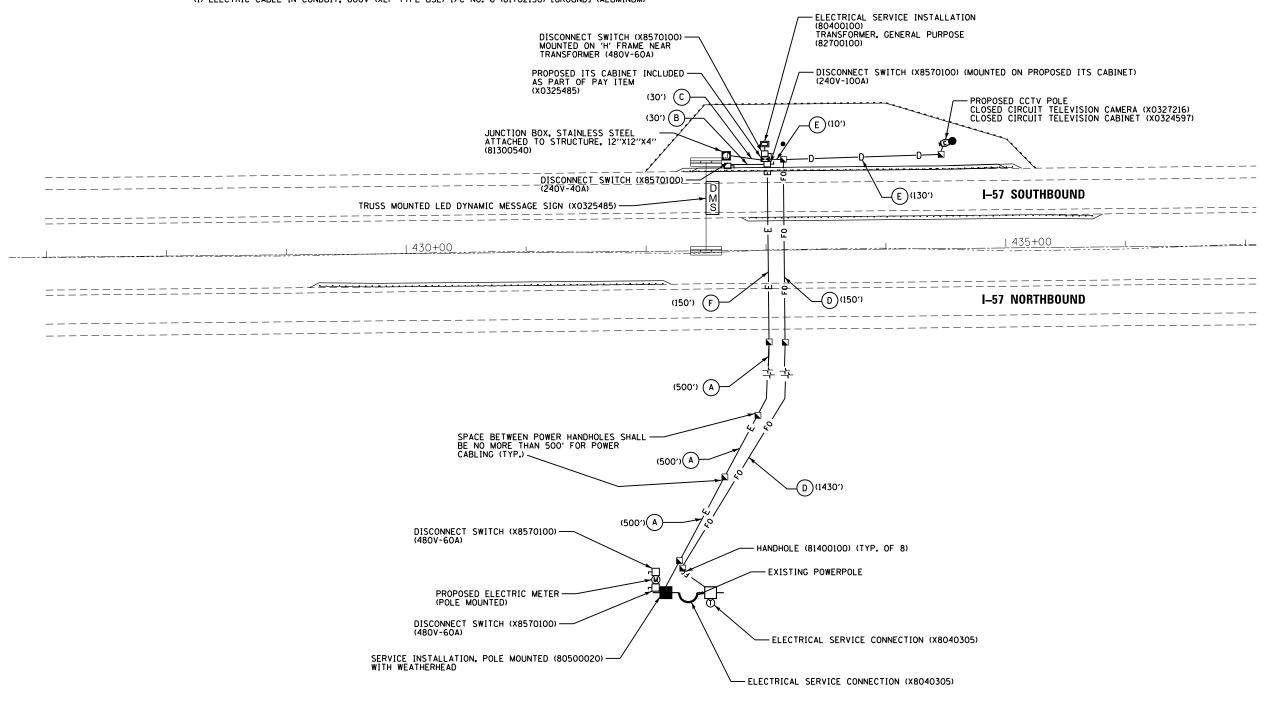
EFK Moen, LLC Civil Engineering Design

FILE NAME =	USER NAME = Jd	DESIGNED - JRD	REVISED -		PLAN SHEET	RTF. SECTION COUNTY SHEETS NO.
Y:\14010 IDOT D9 ITS\DGN\Design\Prelim\P	otsheets\D978337-010-plan-Jeff.dgn	DRAWN - MSK	REVISED -	STATE OF ILLINOIS		57 D9 ITS SIGNING 2013-1 JEFFERSON 38 10
	PLOT SCALE = 100.0000 '/ in.	CHECKED - SLD	REVISED -	DEPARTMENT OF TRANSPORTATION	I-57 (SOUTHBOUND) - STA. 432 + 50 - MM 88.63	CONTRACT NO. 78337
	PLOT DATE = 3/16/2015	DATE - 3/13/15	REVISED -		SCALE: 1"=50" SHEET 2 OF 4 SHEETS STA. 425+00 TO STA. 440+00	ILLINOIS FED. AID PROJECT



KEY NOTES

- (1) UNDERGROUND CONDUIT, PVC. 2" DIA. (81028350)
 (3) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0 (81702180) (ALUMINUM)
- (1) UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. (81028200)
 (3) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2 (81702150)
 (1) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 (81702130)
- (1) UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. (81028200)
 (1) MULTIMODE FIBER OPTIC CABLE (PROVIDED BY DMS MANUFACTURER)
- (1) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA. (81028730)
- (1) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA. (81028730) (1) UNDERGROUND CONDUIT, COLLABLE (XXO08392)
- (1) UNDERGROUND CONDUIT, PVC, 4" DIA. (81028390) IEXTENDED AT LEAST 2' BEYOND ROADWAY EDGE1
 (3) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA. (81028730)
 (2) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0 (81702180) (ALUMINUM)
 (1) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 (81702130) [GROUND] (ALUMINUM)



FILE	NAMI	E =	
ITS	Jeff	County	Plan.dgn

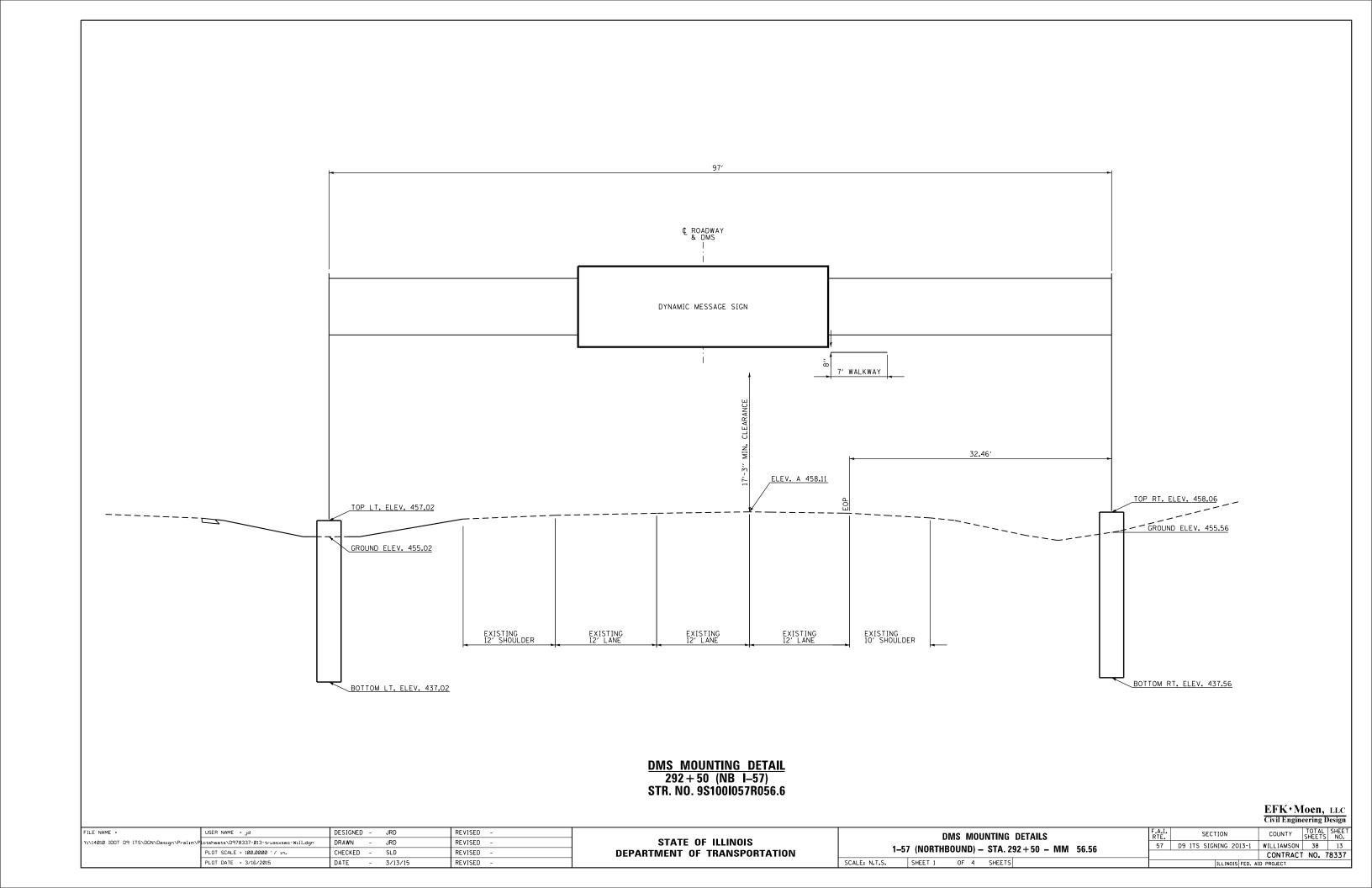
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PLOT DATE = 3/16/2015	DATE	03-16-15	REVISED	-

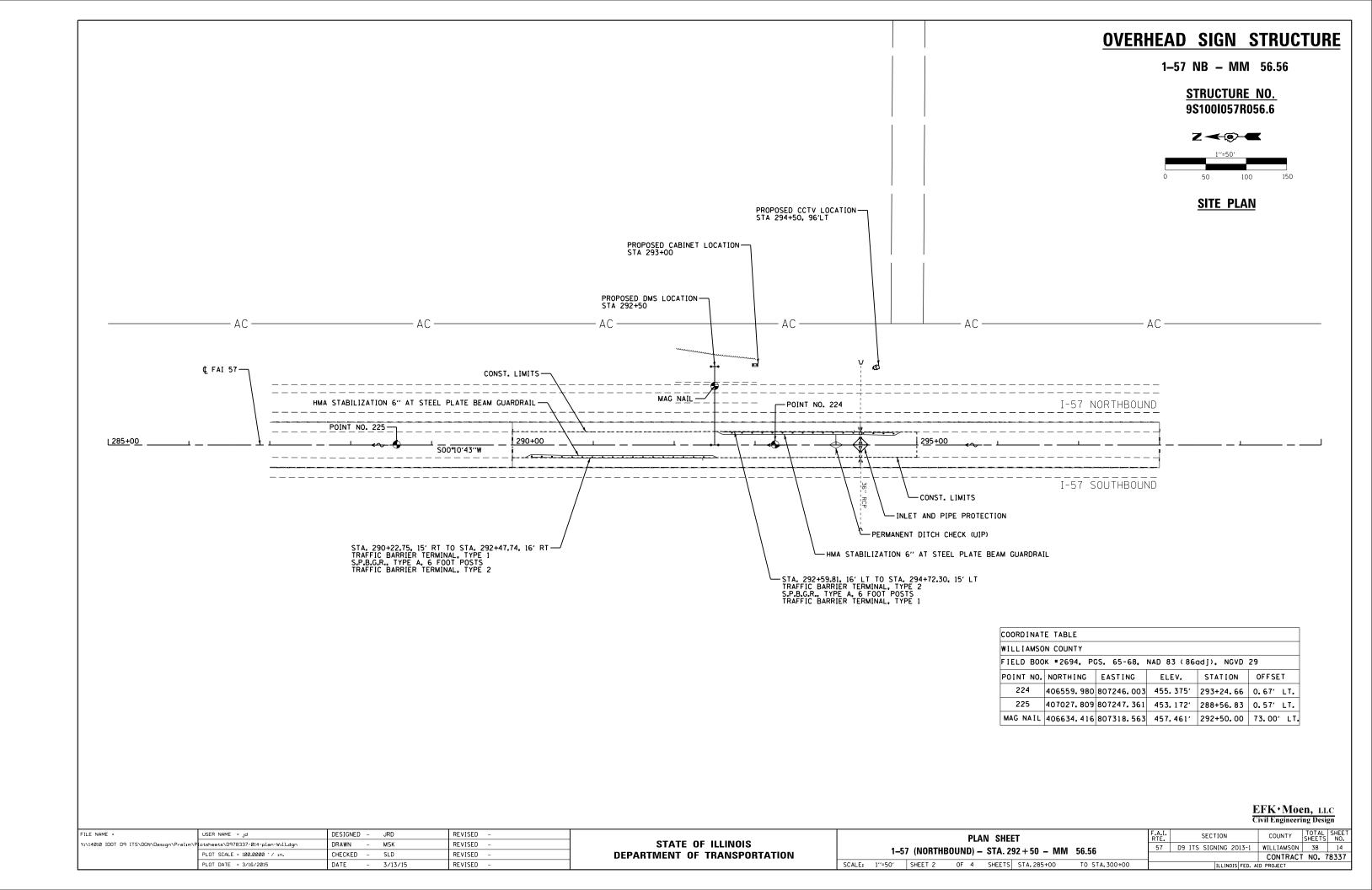
STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

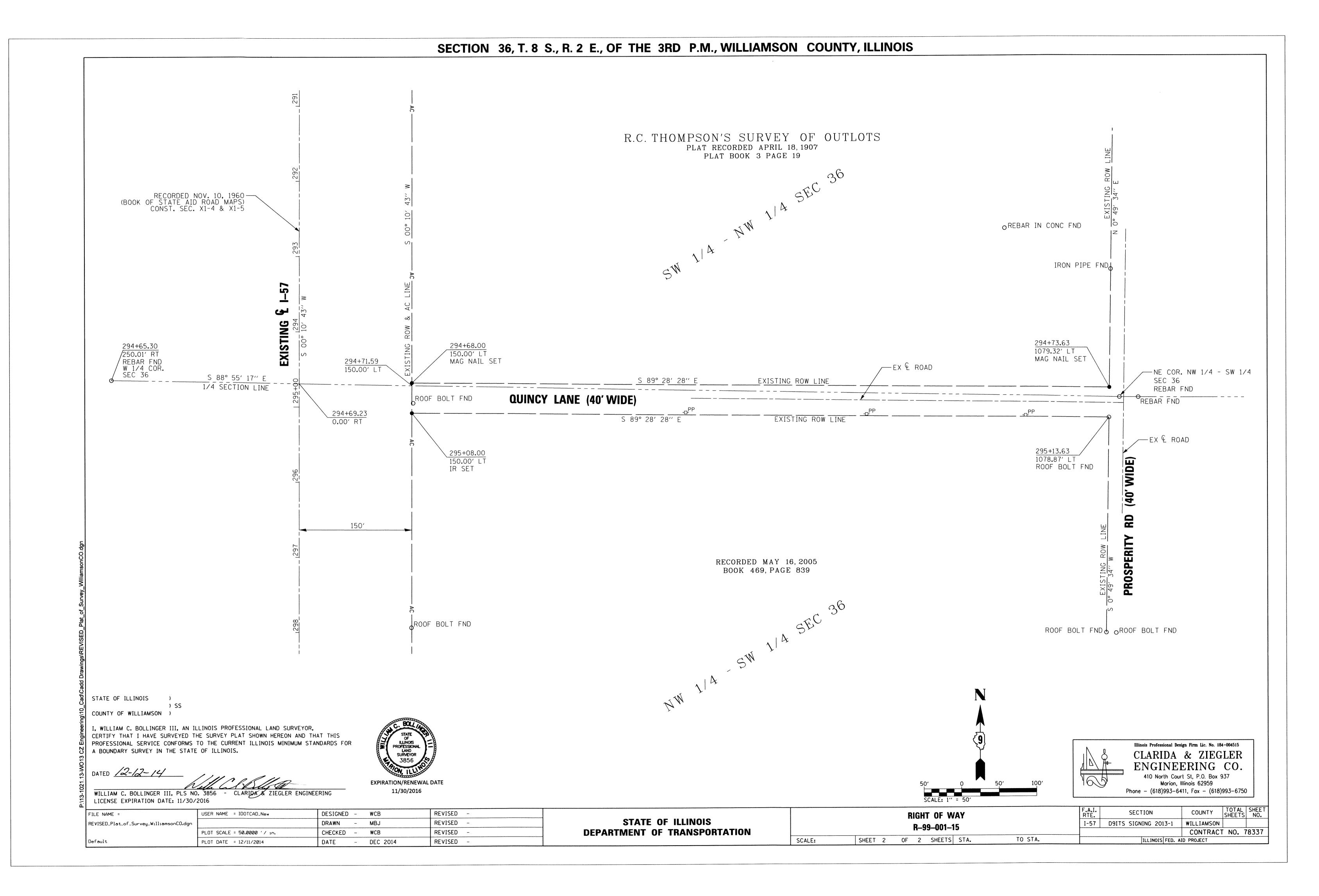
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SHEET	4	OF	4	SHEETS	STA.		TO STA.

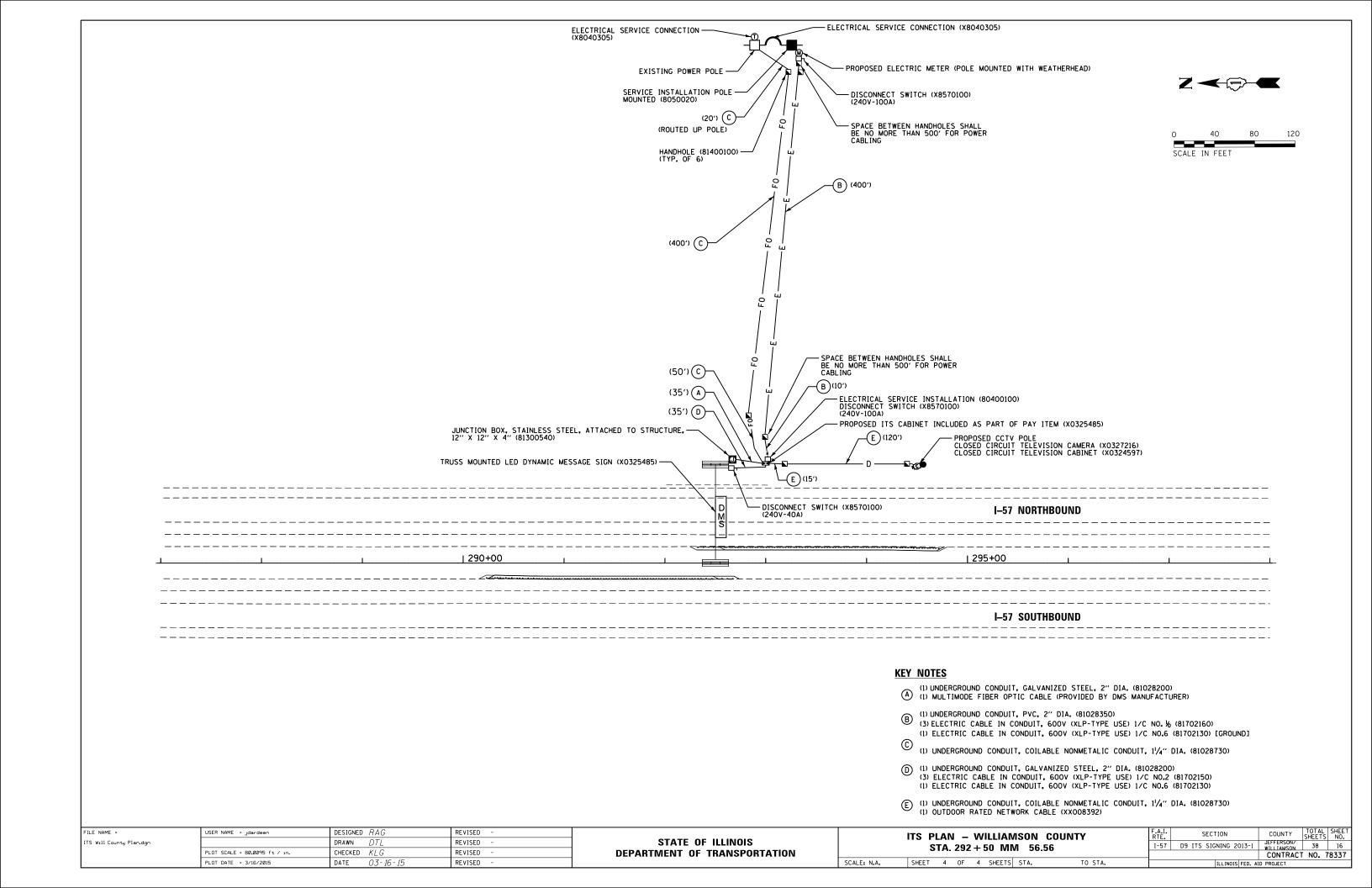
F.A.I. RTE.	SECTION		TOTAL SHEETS	SHEE NO.
I-57	D9 ITS SIGNING 2013-1	JEFFERSON/ WILLIAMSON	38	12
		CONTRACT	NO. 7	8337
	ILLINOIS FED. A	ID PROJECT		

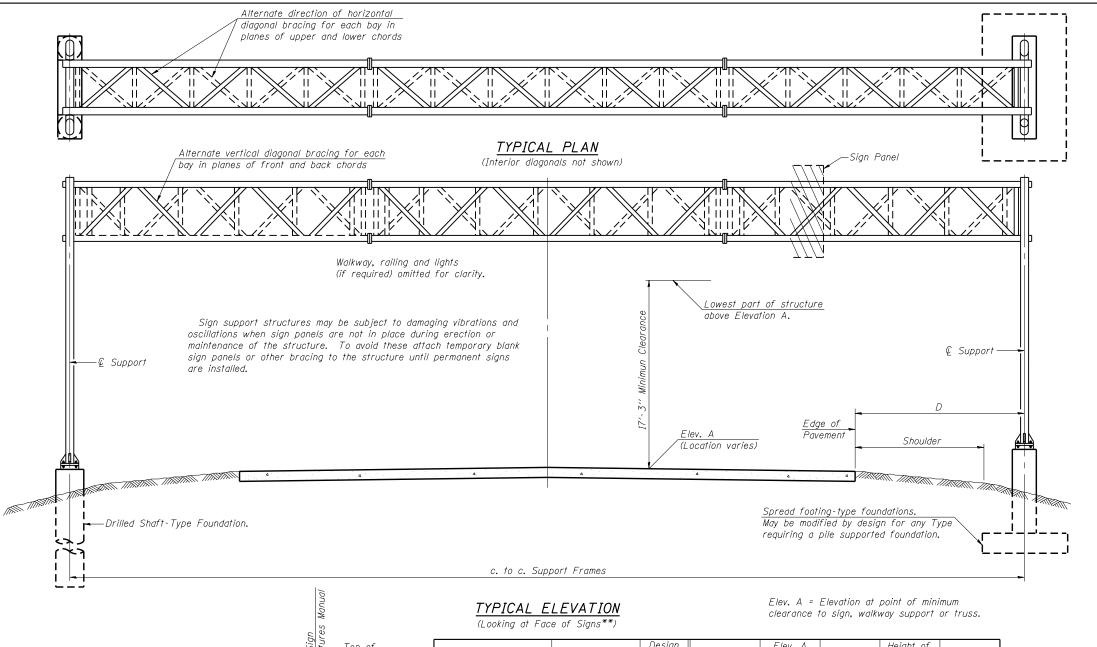












Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A (See NOTE below)	Dim. D	Height of Tallest Sign ***	Total Sign Area
9S041I057L088.6	432+50	III- A	74′	430.49	17.78′	OF DMS	OF DMS
9S100I057R056.6	292+50	III- A	97′	458.11	32.46′	OF DMS	OF DMS

- 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
- ** Looking upstation for structures with signs both sides.
- *** End support height based on 15'-0" sign height per OS4-A-8a

NOTE: ELEV. A SHOWN FOR STRUCTURE NUMBER 9S041I057L088.6 ACCOUNTS FOR A FUTURE 3^3_4 " OVERLAY. THE STRUCTURE DESIGN IS BASED ON THE ELEVATION SHOWN.

8-21-13

30 p.s.f. (See Sign Structures

Manual for max. sign areas)

Maximum Lenath

c. to c. Support Frames (See Sign Structures Manual)

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

10 p.s.1

analysis for all components.

OS-A-1

USER NAME = Jd DESIGNED - JRD REVISED :\14010 IDOT D9 ITS\DGN\Design\Preli tsheets\D978337-017-026-signtruss.dgn ORAWN JRD REVISED PLOT SCALE = 100.0000 '/ in. HECKED SLD REVISED PLOT DATE = 3/16/2015 DATE 3/13/15 REVISED

10 p.s.f.

End Support

34'-0'', max Tvpe III-A

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN STRUCTURES - GENERAL PLAN & **ELEVATION - ALUMINUM TRUSS & STEEL SUPPORTS** SCALE: N/A SHEET 1 OF 10 SHEETS STA.

EFK Moen, LLC

Civil Engineering Design

SECTION COUNTY JEFFERSON/ WILLIAMSON 38 17 57 D9 ITS SIGNING 2013-1 CONTRACT NO. 78337

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled

TOTAL RILL OF MATERIAL

TOTAL DILL 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	171
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	13
CONCRETE FOUNDATIONS	Cu. Yds.	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	45.1

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.

Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

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.

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation

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.

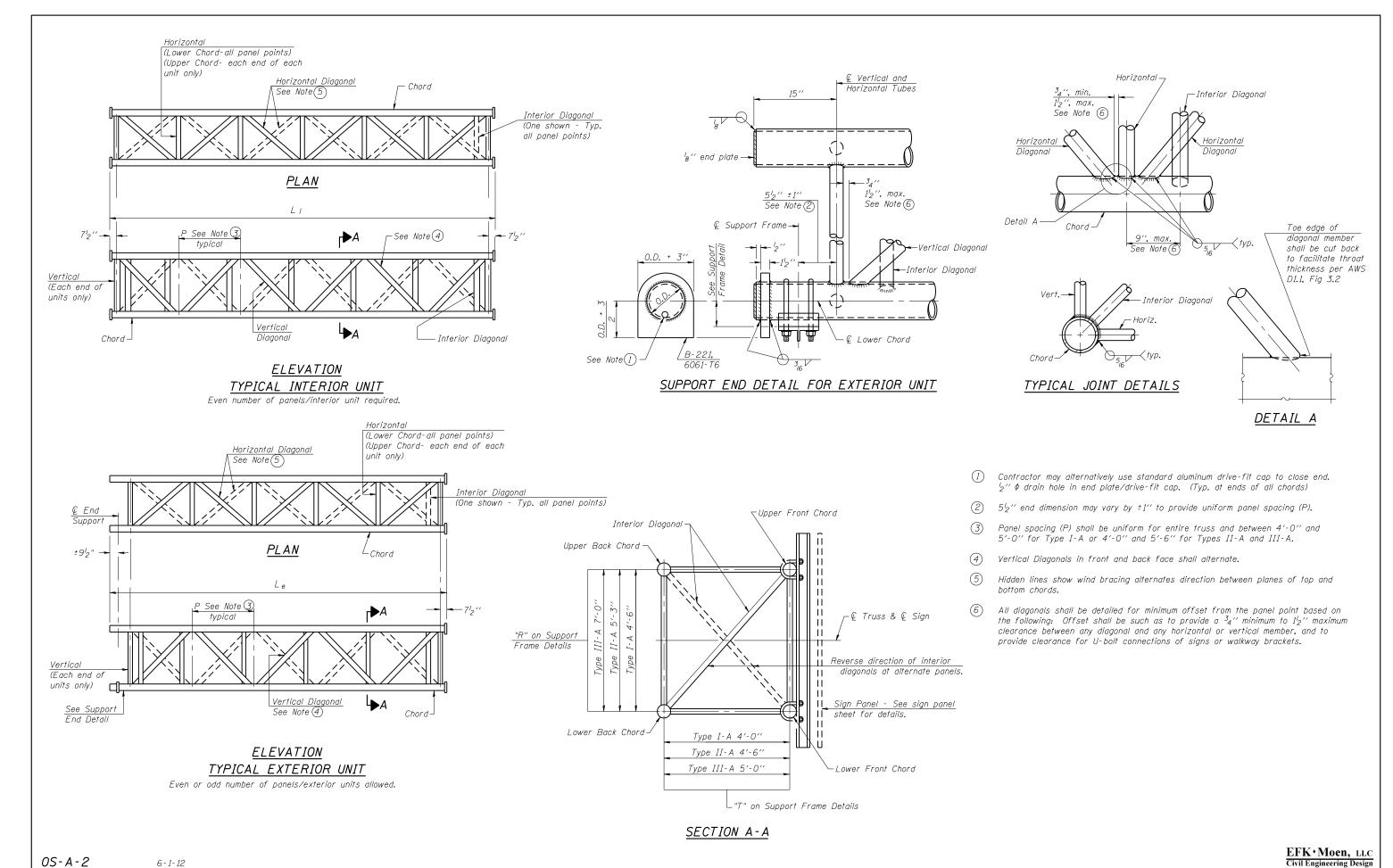
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not

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.

coated in accordance with the Standard Specifications.

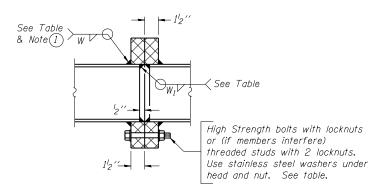
Shaft Concrete Foundations shall include reinforcement bars complete in place.



USER NAME = jd DESIGNED - JRD REVISED SECTION COUNTY OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS STATE OF ILLINOIS :\14010 IDOT D9 ITS\DGN\Design\Preli otsheets\D978337-017-026-signtruss.dgn DRAWN JRD REVISED JEFFERSON/ WILLIAMSON 38 18 57 D9 ITS SIGNING 2013-1 DETAILS FOR TRUSS TYPES I-A, II-A AND III-A PLOT SCALE = 100.0000 '/ in. CHECKED -SLD REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 78337 SCALE: N/A SHEET 2 OF 10 SHEETS STA. PLOT DATE = 3/16/2015 DATE REVISED 3/13/15

TRUSS UNIT TABLE

Structure	0.11	Design Truss	Exte	rior Units	(2)		Interio	r Unit		Upper &	& Lower ord		zontals; Vertical, Interior Diagonals	Camber at			Splicing	Flange				
Number	Station	Type	No. Panels		Panel	No.	No. Panels		Panel			mornzonnan, ana				Midspan	Bolt.		Weld	Sizes		B
		1,700	per Unit	Lgth.(Le)	Lgth.(P)	Req'd.	per Unit	Lgth.(L;)	Lgth.(P)	0.D.	Wall	0.D.	Wall	mioopaii	No./Splice	Dia.	W	W_{I}		В		
9S041I057L088.6	432+50	III-A	7	37′-9"	5'-1' ₂ "	0	=	-	-	7"	⁵ 16 "	31/4"	5 ₁₆ "	1"	6	1"	716"	5 ₁₆ "	11½"	15"		
																				1		
9S100I057R056.6	292+50	III-A	6	33'-1 ¹ 2"	5'-2 ¹ 2"	1	6	32′-6"	5'-2 ¹ 2"	7"	5 ₁₆ "	314"	⁵ /6 "	21/8"	6	1"	7 ₁₆ "	⁵ 16 "	111/2"	15"		
																			\vdash			
						-													\vdash			

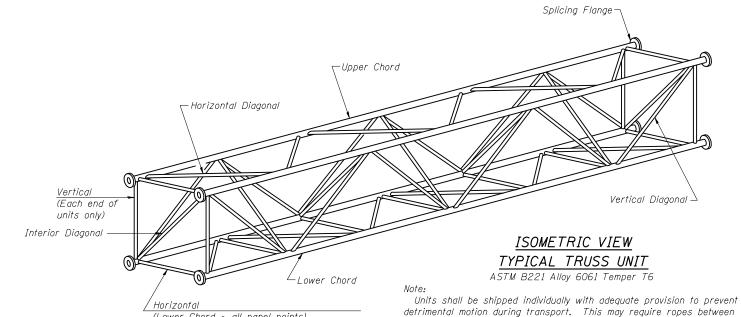


SECTION B-B

0S4-A-2

6-1-12

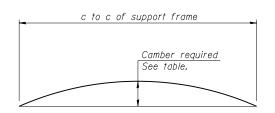
1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining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



horizontals and diagonals or energy dissipating (elastic) ties to the vehicle.

The Contractor is responsible for maintaining the configuration and

protection of the units.

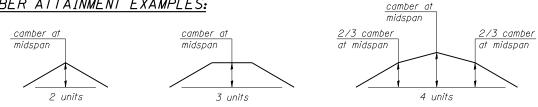


(Lower Chord - all panel points)

(Upper Chord - each end of each unit only)

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)

EFK Moen, LLC Civil Engineering Design

Drill 6 holes 1₆" larger than bolt diameter.

*Flange I.D.

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

*Flange I.D.

Bolt Circle φ =

Flange O.D. = B

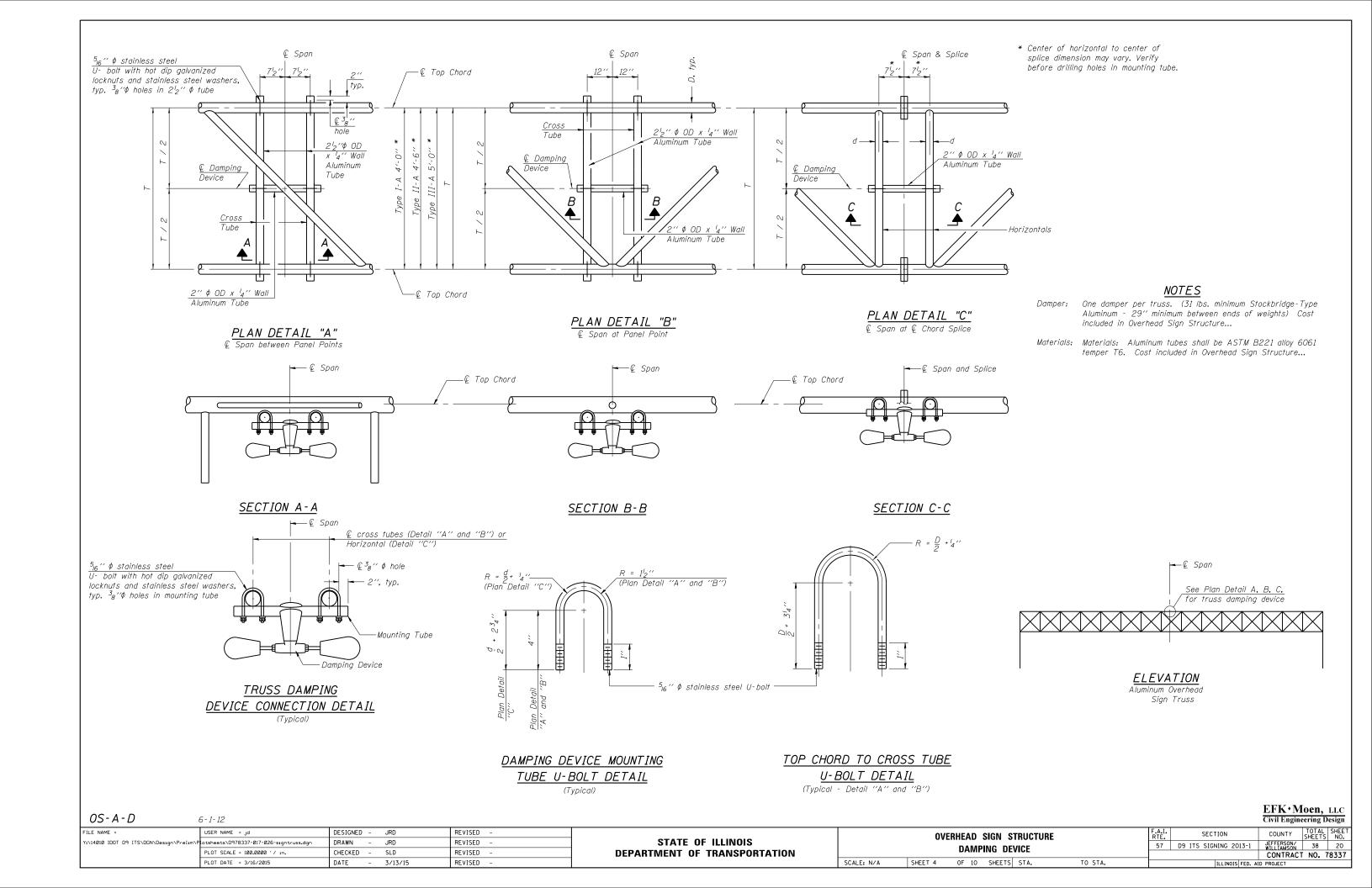
TRUSS TYPES II-A & III-A SPLICING FLANGES

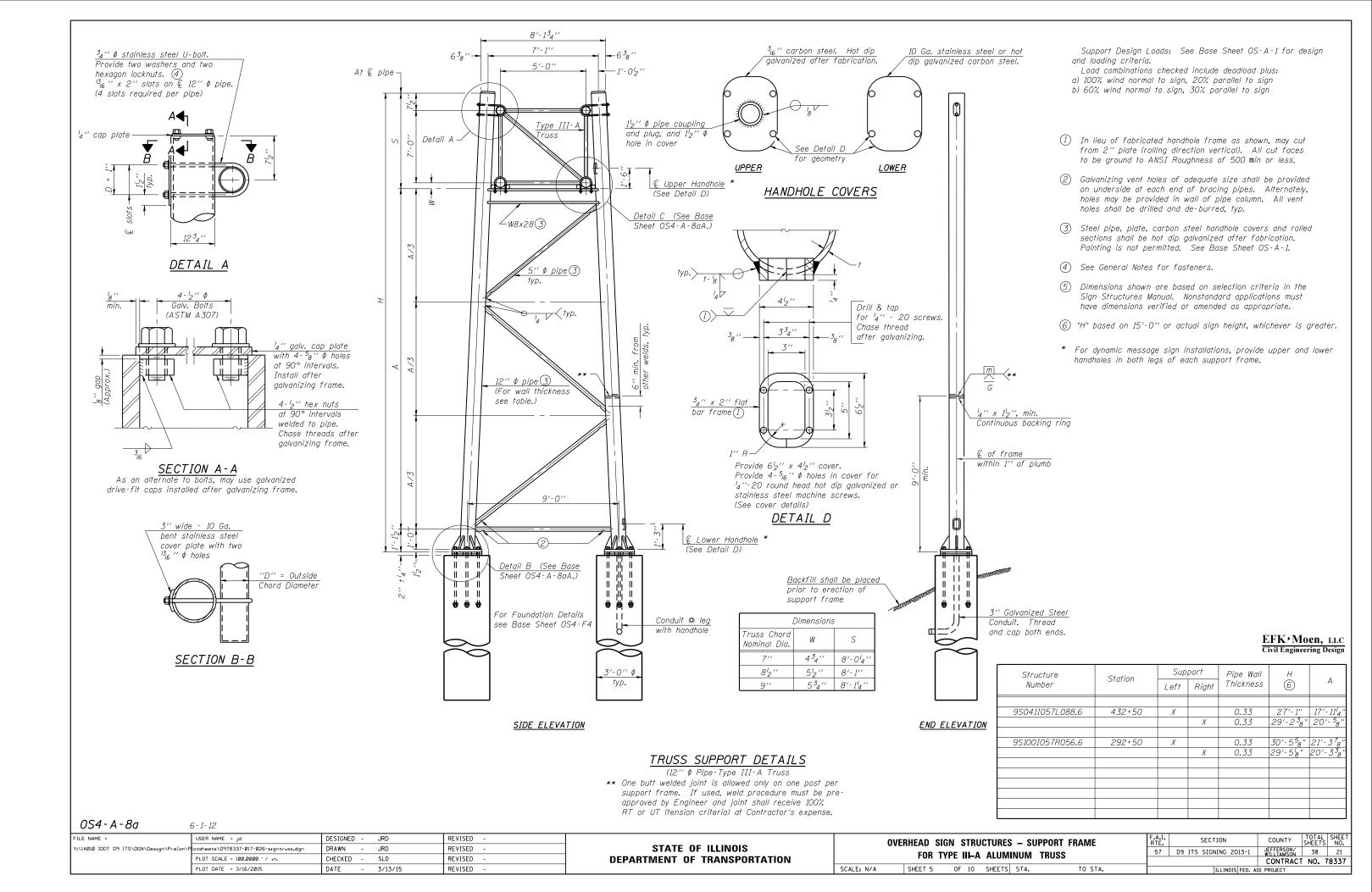
ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 *To fit O.D. of Chord with maximum gap of ${}^{\prime}\!{}_{16}$ ".

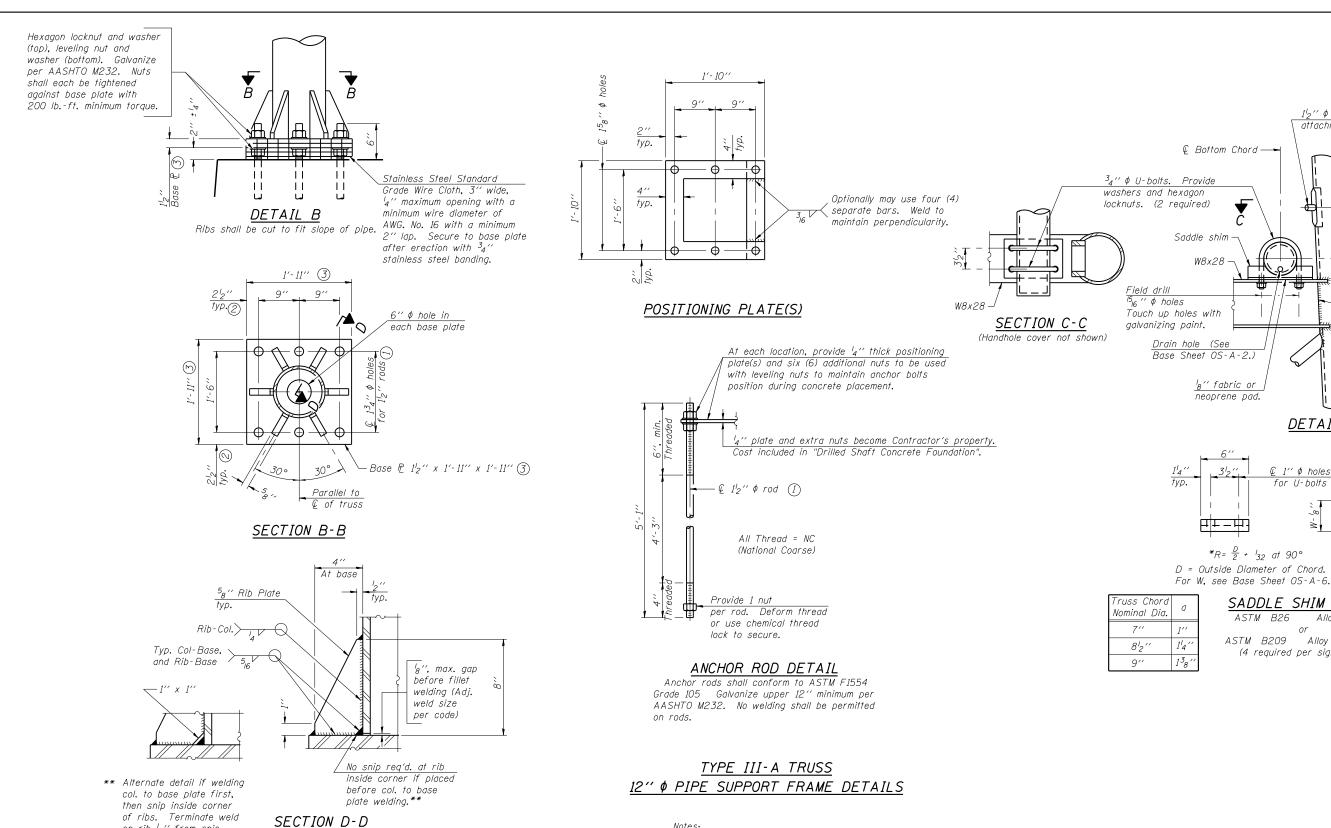
Drill 8 holes la'' larger than bolt diameter.

 $B \blacktriangleleft_1$

FILE NAME =	USER NAME = Jd	DESIGNED - JRD	REVISED -		OVERHEA	D SIGN STRUCTURES – ALUMINUM TRUSS DETAILS	F.A.I. SECTION	COUNTY TOTAL SHEET
Y:\14010 IDOT D9 ITS\DGN\Design\Prelim\F	lotsheets\D978337-017-026-signtruss.dgn	DRAWN - JRD	REVISED -	STATE OF ILLINOIS	OVEIMEA	FOR TRUSS TYPES I-A, II-A AND III-A	57 D9 ITS SIGNING 2013-1	JEFFERSON/ 38 19
	PLOT SCALE = 100.0000 '/ in.	CHECKED - SLD	REVISED -	DEPARTMENT OF TRANSPORTATION		FUN TRUSS TTPES I-A, II-A AND III-A		CONTRACT NO. 78337
	PLOT DATE = 3/16/2015	DATE - 3/13/15	REVISED -		SCALE: N/A	SHEET 3 OF 10 SHEETS STA. TO STA.	ILLINOIS FED.	







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

SCALE: N/A

- 1 1^3_4 " ϕ rod, 2" ϕ holes
- \bigcirc 2 3 ₄ $^{\prime\prime}$ edge distance
- 3 Base \mathbb{P}_{1}^{5} 1^{5} 8" x 1'-11 1 2" x 1'-11 1 2"

0S4-A-8aA

6 - 1 - 12

on rib $\frac{1}{4}$ " from snip.

FILE NAME =	USER NAME = Jd	DESIGNED -	JRD	REVISED -	
Y:\14010 IDOT D9 ITS\DGN\Design\Prelim\P	lotsheets\D978337-017-026-signtruss.dgn	DRAWN -	JRD	REVISED -	1
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	SLD	REVISED -	
	PLOT DATE = 3/16/2015	DATE -	3/13/15	REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

			Civil Engin	cering i	resign	
OVERHEAD SIGN STRUCTURES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS		ı
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS	57	D9 ITS SIGNING 2013-1	JEFFERSON/ WILLIAMSON	38	22	
OUT OUT THANKE TON THE IN-A ACOMMON THOOS			CONTRAC	T NO.	78337	
A SHEET 6 OF 10 SHEETS STA. TO STA.		ILL INOIS FED. A	ID PROJECT			

SADDLE SHIM DETAIL ASTM B26 Alloy 356-F

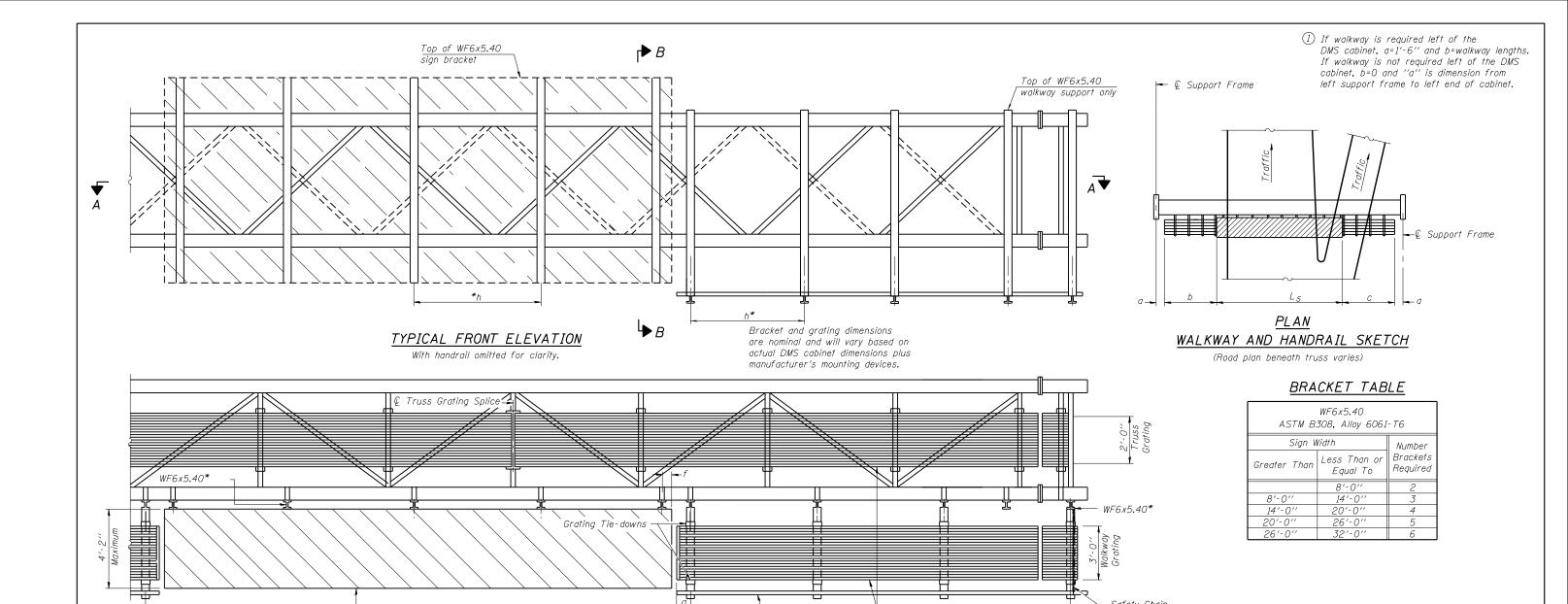
DETAIL C

for U-bolts

 $I_2''' \phi$ pipe coupling for conduit attachment (plug for shipping)

ASTM B209 Alloy 6061-T651 (4 required per sign truss)

EFK Moen, LLC



SECTION A-A

└ Dynamic Message Sign Cabinet

Walkway and Truss Grating

width dimensions are nominal

and may vary $\pm \frac{1}{2}$ " based on

available standard widths.

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	а	b	С	Ls	Walkway Grating and Handrail Lengths
9S041I057L088.6	432+50	-	-	6′	OF DMS	6′
9S100I057R056.6	292+50	-	-	7′	OF DMS	7'

Notes:

Safety Chain

Standard Aluminum Grating

(center to center of support frames) ±12" on overhead trusses.

Cost of truss grating is included in "Overhead Sign Structure".

Truss grating to facilitate inspection shall run full length

- * Space walkway brackets WF6x5.40 for efficiency and within limits shown:
- f = 12'' maximum, 4'' minimum (End of sign to Q 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.

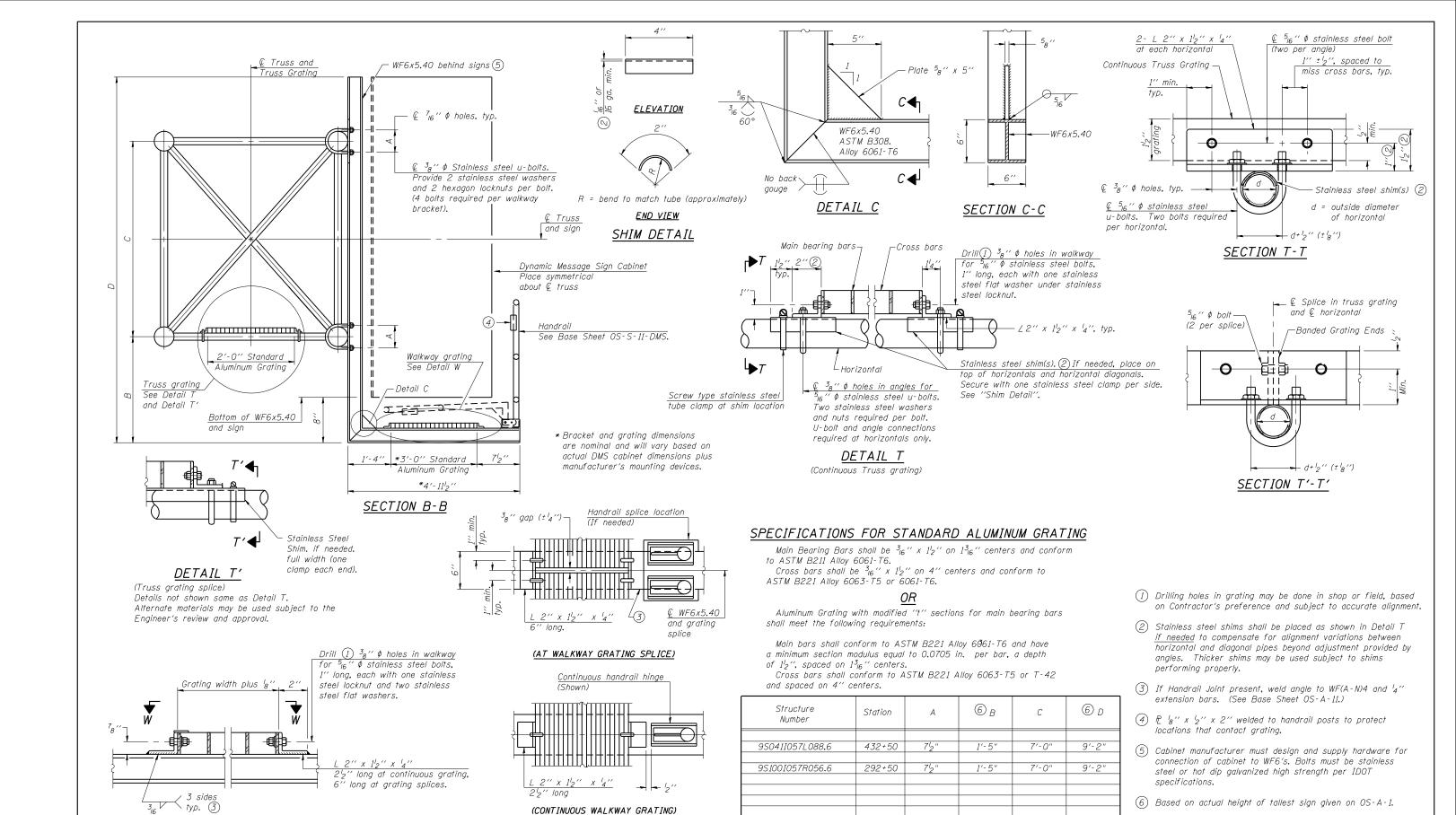
EFK Moen, LLC

Civil Engineering Design

OS-A-9-DMS 6-1-12

Handrail, see \OS-A-11-DMS

FILE NAME =	USER NAME = Jd	DESIGNED -	JRD	REVISED -			OVERHEAD SIGN STRUCTURES	F.A.I.	SECTION	COUNTY	SHEETS	SHEET NO.
Y:\14010 IDOT D9 ITS\DGN\Design\Prelim\	otsheets\D978337-017-026-signtruss.dgn	DRAWN -	JRD	REVISED -	STATE OF ILLINOIS			57	D9 ITS SIGNING 2013-1	JEFFERSON/	38	23
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	SLD	REVISED -	DEPARTMENT OF TRANSPORTATION	ALTERNATE ALUMINUM WALKWAY DETAILS FOR DMS			20 110 01011110 2010 1	CONTRAC	T NO. 78	8337
	PLOT DATE = 3/16/2015	DATE -	3/13/15	REVISED -		SCALE: N/A	SHEET 7 OF 10 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		



OS-A-10-DMS

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6-1-12

DETAIL W

(Walkway grating)

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PLOT DATE = 3/16/2015

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REVISED

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DRAWN

DATE

CHECKED -

SLD

3/13/15

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

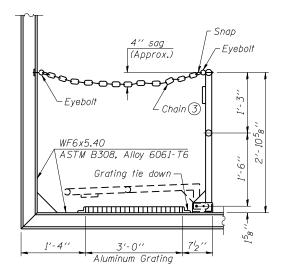
SECTION W-W

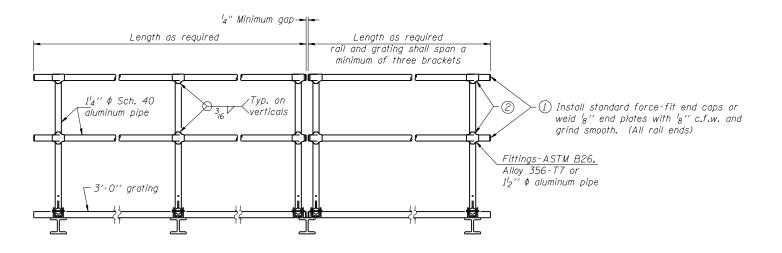
"B" and "D" dimensions are based on a maximum DMS height of 8'-6". DMS heights greater than 8'-6" will not be allowed. **OVERHEAD SIGN STRUCTURES**

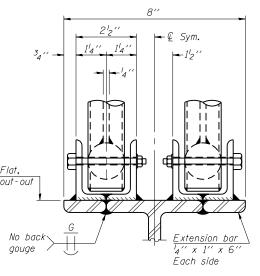
SECTION COUNTY JEFFERSON/ WILLIAMSON 38 24 57 D9 ITS SIGNING 2013-1 ALTERNATE ALUMINUM WALKWAY DETAILS FOR DMS CONTRACT NO. 78337 SHEET 8 OF 10 SHEETS STA.

EFK Moen, LLC

Civil Engineering Design





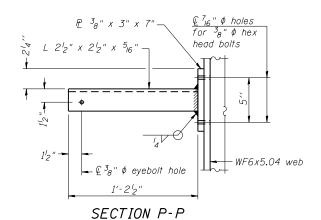


ELEVATION AT HANDRAIL JOINT (4)

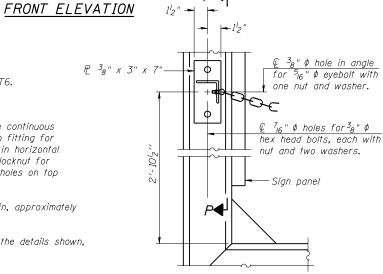
SIDE ELEVATION (Showing safety chain w/o sign)

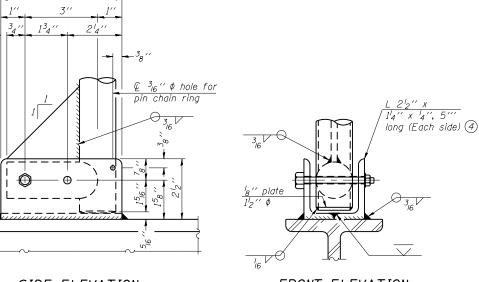
HANDRAIL DETAILS

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



- (2) Horizontal handrail member shall be continuous thru fitting. Provide $^{7}_{16}$ " 6 hole in fitting for $^{3}_{8}$ " 9 bolt. Field drill $^{7}_{16}$ " 9 hole in horizontal rail member. Provide washer and locknut for bolt. (Use $^{5}_{16}$ ' eyebolts in $^{7}_{16}$ ' ϕ 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.





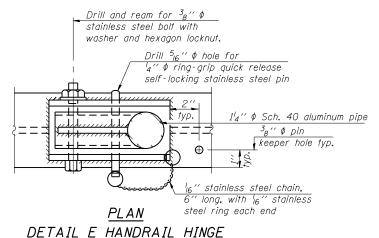
ALTERNATE SAFETY CHAIN ATTACHMENT

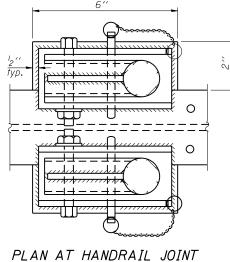
(With Sign Present) Items not shown same as "Side Elevation" of "Handrail Details"

SIDE ELEVATION

FRONT ELEVATION See "ELEVATION" at right for dimensions.

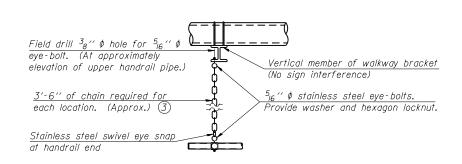
EFK Moen, LLC





Details not shown same as "PLAN"

L 212" x 212" x 516 Eyebolt 3'-10" chain 3 (Approx.) Stainless Steel swivel eye snap at handrail end



ALTERNATE SAFETY CHAIN ATTACHMENT

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

SCALE: N/A

One required for each end of each walkway.

OS-A-11-DMS

6-1-12

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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

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	OVEI	RHEAD S	SIGN STRU	JCTURES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ALILII	INAIL ALU	WILL TO IVI	IIANDIIAN	DEIAILO	TOIL DIVIO			CONTRAC	T NO.	78337
A	SHEET 9	OF 10	SHEETS ST	ΓΑ.	TO STA.		TILLINOIS FED. AT	ID PROJECT		

SAFETY CHAIN

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
V4(E)	24	#9	F less 5"	
#4 bo	ır spiral (ı	E) - see .	Side Elevatio	าก

3" ♦ Galvanized Steel

Conduit. Thread

and cap both ends.

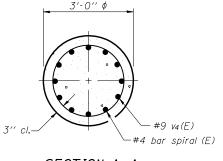
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included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

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

of support column,

concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

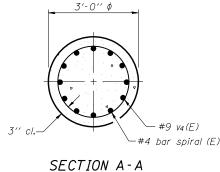


prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Concrete shall be placed monolithically, without construction joints.

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

A normal surface finish followed by a Concrete Sealer application will be required on



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

Elevation

Elevation (Top)

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

END VIEW

DETAILS FOR 12" \$\phi\$ SUPPORT FRAME TYPE III-A TRUSS

EFK Moen, LLC Civil Engineering Design

Ctavatura	Station			Left Fo	undation			Right Fo	oundation			Class DS
Structure Number	Station	Elevation Top	Elevation Bottom	А	В	F	Elevation Top	Elevation Bottom	А	В	F	Concrete (Cu. Yds.)
9S041I057L088.6	432+50	432.79	407.59	7'-2 ³ 8"	18'-0"	25'-2 ³ 8"	430.67	410.17	2′-6"	18'-0"	20'-6"	23.9
9S100I057R056.6	292+50	457.02	437.02	2'-0"	18'-0"	20'-0"	458.06	437.56	2'-6"	18'-0"	20′-6"	21.2

SCALE: N/A

0S4-F4

spiral (E) at 6" pitct

12-#9 v₄(E) bars-

3 hoops minimum top and bottom

3'-0" ¢

8-21-13

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	PLOT DATE = 3/16/2015	DATE	-	3/13/15	REVISED -	ĺ

9'-0" & to &

Approved clamps for grounding*

#6 copper

 $\frac{3}{4}$ " ϕ x 10'-0" copper weld ground rod driven into ground 9'-0". Cost of rod, cable, conduit, caps and clamps shall be included in Drilled Shaft Concrete Foundations.

SIDE ELEVATION

12'-0"

9'-0"

PLAN

wire or cable

3'-0" ¢

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

OVE	OVERHEAD SIGN STRUCTURES									
DRILLED SHAFT DETAILS										
	JIIILLLD	JIIAI I	DETAILS							
SHEET 10	OF 10	SHEETS	STA.	TO STA.						

SECTION COUNTY JEFFERSON/ WILLIAMSON 38 26 CONTRACT NO. 78337

			Distri	ict Ni	F OF TRANSPORTATION ne Materials		oring I	Foundat Log	1011
Proposed Truss Mounted Mess							heet 1		
	ructur	e Numbe	r: 9S04	111057L		_Date:		/21/20	14
Section D9 ITS Signing 1013	-	w		00			R Mobe		
County: Jefferson	Loca	tion: M	llemar	ker 88.	6, 1.8 mi S of Bakervi Check	ed By:	R Grae	ff	
Soring No 1-MB Station 432+50 Offset 24' Lt CL SBL Ground Surface 429.3 Ft	D E P T	B L O W S	Qu tsf	W%	Surf Wat Elev: Ground Water Elevation when Drilling 402.3 At Completion At: Hrs:	D E P T H	B L O W S	Qu tsf	W%
Crushed aggregate					Soft, very moist, brown, Silty Clay		1	0.3B	26
-					to Clay A7-6		wн	0.55	
Stiff, moist, brown, Silty Clay A-6		1			402.3		\A/I I		
-		2	1.1B	18	Very soft, wet, brown, Silty Clay to Silty Clay Loam A-6		1 WH	0.2B	30
424.8					399.8				
Very stiff, moist, grey mottled	5.0	2	0.10	00	Medium, very moist, brown, Silty	30.0	WH		
brown, Silty Clay to Clay A7-6	_	4 5	3.1S	20	Clay Loam A-4 		1 2	0.6S	30
					397.3	-			
-		2			Medium to stiff, very moist, grey		1		
-		5 8	3.7B	17	mottled brown, Silty Clay A-6		1	1.0B	23
	10.0				-				
-	10.0	<u>2</u> 4	3.1S	18	-	35.0	1	0.7B	25
		6	0.10	10	_	\dashv	2	0.76	
417.3					392.3				
Very stiff, moist, brown mottled		1			Soft, very moist, grey, Clay A7-6		WH		
grey, Clay A7-6		3 4	2.3B	21	-		WH	0.4B	28
414.8					389.8				
Stiff, moist, brown and grey,	15.0	3			Medium to soft, very moist, grey,	40.0	WH		
Clay Loam A-6	_	9 14	1.6S	17	Ti		WH 1	0.5B	25
412.3					H+++++++++++++++++++++++++++++++++++++				
Stiff, moist, grey mottled brown,		1			Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)				
Silty Clay A-6		1	1.28	22	Communication Communicatio	_			
		3			To convert "N" values to "N60"				
					multiply by 1.25				
Stiff moist brown Silty Clay to	20.0	1			++++++++++++++++++++++++++++++++++++++	45.0	10/11		
Stiff, moist, brown, Silty Clay to Clay A7-6	20.0	3	1.8B	25	Very loose, wet, grey, Sand	45.0	WH WH		
		3	1.00	23	383.3 Bottom of hole = 46.0 feet		1		
407.3									
Medium, very moist, brown, Silty Clay to Clay A7-6 (15)		WH 1	0.8B	26	Free water observed at 27.0 feet				
	-	2			Elevation referenced to CL SB 157@ Sta. 432+50; Elevation =				
404.8					430.4 feet				
	25.0	WH				50.0			

Bridge Foundation Boring Log ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials Proposed Truss Mounted Message Board Over Southbound FAI 57 Sheet 1 of 1 Route: FAI 57 Structure Number: D9041I057L088.6 7/21/2014 Date: Section D9 ITS Signing 1013 Bored By: R Moberly County: Jefferson Location: Milemarker 88.6, 1.8 mi S of Bakervi Checked By: R Graeff Surf Wat Elev: Boring No 2-MB Ground Water Elevation L O W S Station 432+50 when Drilling 403.1 P T 430.1 Ft H 0 W S Offset 16' Rt CL SBL Qu tsf At Completion Ground Surface tsf W% Hrs: Asphalt over crushed aggregate Soft, very moist, brown mottled WH 0.4B 25 grey, Silty Clay Loam A-6 WH Medium, very moist, grey, Silty WH Clay A-6 0.8B WH 0.4B 26 WH Very stiff, moist, brown and grey, Very soft, very moist, brown 30.0 WH Silty Clay A-6 17 mottled grey, Silty Clay Loam A-6 WH 0.2B WH Bottom of hole = 31.0 feet 2.7B 22 Free water observed at 27.0 feet 420.6 Elevation referenced to CL SB Very stiff, moist, grey, Silt Loam 35.0 10.0 I57@ Sta. 432+50; Elevation = 3.7S 17 430.4 feet Borehole advanced with hollow 418.1 stem auger (8" O.D, 3.25" I.D.) Very stiff, moist, brown and grey, Clay A7-6 3.1B 19 To convert "N" values to "N60" multiply by 1.25 2.5B Very stiff, moist, grey mottled brown, Silty Clay to Silty Clay 2.7S Loam A-6 Stiff, moist to very moist, grey mottled brown, Silty Clay Loam 1.1B Medium, very moist, brown, Silty WH Clay to Clay A7-6 0.7B 26 405.6 25.0 WH N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

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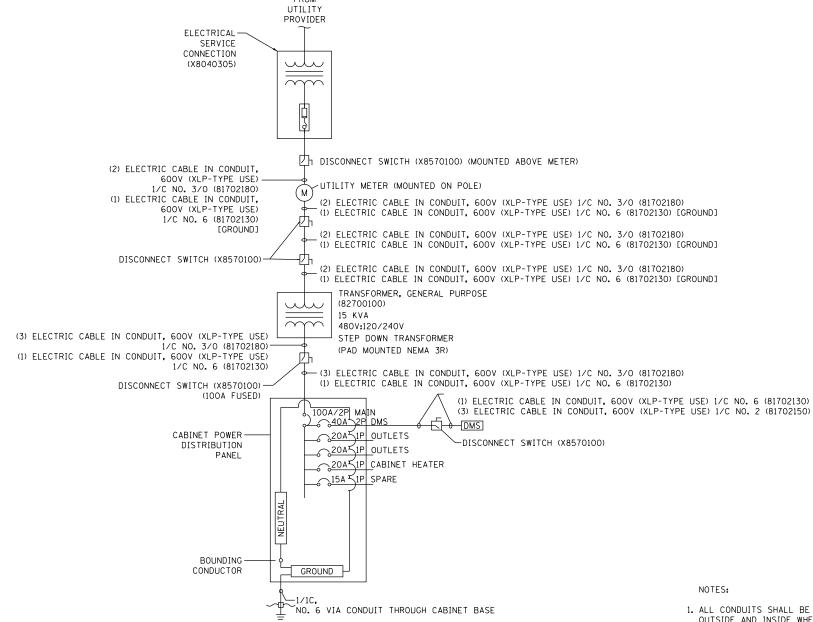
roposed Truss Mounted Mess				57				of 1	
	ructur	e Numbe	r:					7/17/20	14
County: Williamson	- Loca	tion. Mi	ilemarl	cer 56	5, 0.7 mi S of Stotlar Check	red By:			
ouncy. Mararamson		1	I I CIII CI	101 30.		T I	K Grae	11	
soring No 1-MB	D E	В			Surf Wat Elev: Ground Water Elevation	- <u>p</u>	В		
292+50]	L			when Drilling	_ E	L		
offset 23' Lt CL Median	T	w	Qu		At Completion	_ T	w	Qu	
Fround Surface 457.8Ft	Н	S	tsf	W%	At: Hrs:	Н	S	tsf	W%
9.5" Asphalt over crushed									
aggregate _					Cored 24.7 to 29.7 feet				
					Very dense, dry, brown and grey,				
_					Sandstone				
-									
453.8	_				100% Recovery; 7% RQD				
Very stiff, moist, brown, Clay A7-6									
-	5.0	1			427.8	30.0			
		2	2.1B	21					
-		4							
					Bottom of hole = 29.7 feet	_			
_		2							
-		4	2.5B	18	No free water observed				
	_	6			Elevation referenced to plane at	-			
448.3					Elevation referenced to plans at Sta 292+50; Elev = 458.3 ft				
Hard, damp, brown mottled grey,	10.0	3				35.0			
Clay A7-6		10	5.0B	14	Borehole advanced with hollow				
-		9			stem auger (8" O.D, 3.25" I.D.)				
445.8					To convert "N" values to "N60"				
Very stiff, moist, brown and grey,		3			multiply by 1.25	7			
Clay to Clay Loam A-6		6	2.7B	17					
	_	8			<u> </u>	-			
443.3							ł		
Stiff, moist, brown and grey,	15.0					40.0	ĺ		
Clay to Clay Loam A-6	_	3	1.5B	16					
		3			+		-		
440.8									
Stiff, moist, grey and brown,		2							
Clay to Clay Loam A7-6		4	1.2B	24					
		3				_	1		
438.3									
V.dense, dry, br, Sandstone 437.8	20.0	100/2"				45.0			
Cored 19.7 to 24.7 feet	-					_	-		
00/80 19.7 10 24.7 1881							1		
Very dense, dry, brown and grey,							j		
highly weathered Sandstone with									
Clay layers							-		
40% Recovery; 0% RQD						_	1		
							1		
432.8	25.0					50.0			

					ne Materials		oring L	oundati og	
Proposed Truss Mounted M				***************************************		s	heet 1		
Route: FAI 57	Structu	re Numb	er:			Date:		/21/201	5
Section						ored By:			
County: Williamson	Loc	ation: _	Milemar	ker 56.	5, 0.7 mi S of Stotlar Che	cked By:	R Graef	f	
December 2 ND	D	В			Surf Wat Elev:	_ D	В	T	******
Boring No 2-MB	— E	L			Ground Water Elevation	E	L		
Station 292+50	— Р	0			when Drilling	P	0		
Offset 75' Lt CL Median Ground Surface 457.6	T	W	Qu tsf	W%	At Completion	_ [W	Qu	
	Ft H	S	[3]	VV %	At: Hrs:	Н	S	tsf	W9
Stiff, moist to very moist, brown	Salara de Caración	-							
mottled grey, Silty Clay to Clay A7-6		4							
A7-0		1							
	***************************************	2	***************************************						
		4	1.2B	20					
	***************************************	4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20					
453.	1		· · · · · · · · · · · · · · · · · · ·						
Very stiff, moist, brown mottled	5.0	1				30.0			
grey, Clay A7-6		5	3.3\$	22					
		6		***************************************					
		2							
		5	2.7\$	20					
	***************************************	6	2.70	20					
448.	1			İ					
Hard, moist, brown mottled grey,	10.0	4				35.0			
Clay A7-6	***************************************	10	4.5B	16					
		10							
445.6									
Very stiff, moist, brown mottled)	2							
grey, Clay A7-6		4	2.1B	23					
g. cy, c.ay / c		5	2.10	23					
443.1									
Stiff, moist, brown mottled grey,	15.0	4				40.0			
Clay A7-6 with sand seams		10	1.48	21					
		18							
440.6									
440.6 Very dense, dry, brown,	2								
Sandstone 439.6		24 100/4"	***************************************						
341743.0110		100/4				***************************************			
Bottom of hole = 17.8 feet									
No free water observed	20.0			İ		45.0			
Elevation referenced to plans at									
Sta 292+50; Elev = 458.3 ft									
Rorehole advanced with hollow	***************************************								
Sorehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)									
nem auger (0 0.D, 3.25 1.D.)									
To convert "N" values to "N60"									
multiply by 1.25									
	25.0					50.0			

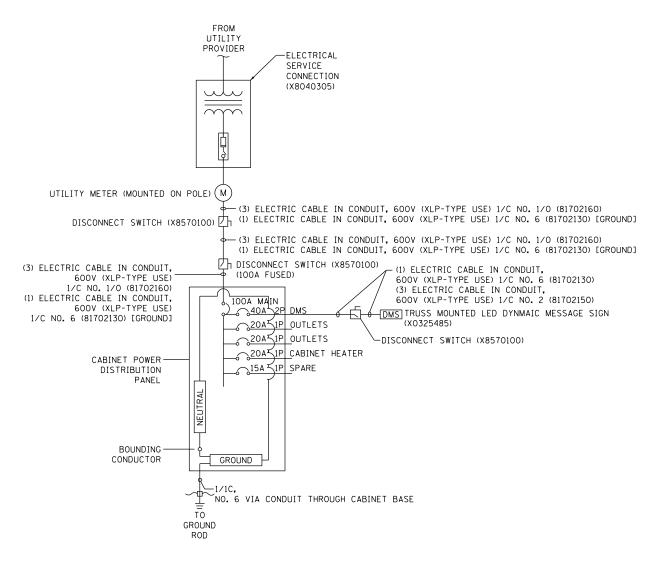
EFK • Moen, LLC Civil Engineering Design

FILE NAME =	USER NAME = Jd	DESIGNED - J		REVISED -								F.A.I. RTF.	SECTION	COUNTY	TOTAL SHEE
Y:\14010 IDOT D9 ITS\DGN\Design\Prelim\	Plotsheets\D978337-027-028-boringlogs.dgn	DRAWN - J		REVISED -	STATE OF ILLINOIS				BOR	RING LOGS		57	D9 ITS SIGNING 2013-1	JEFFERSON/ WILL TAMSON	38 28
	PLOT SCALE = 100.0000 '/ in.	CHECKED - S	SLD	REVISED -	DEPARTMENT OF TRANSPORTATION	L								CONTRAC	CT NO. 78337
	PLOT DATE = 3/16/2015	DATE - 3	3/13/15	REVISED -		SCALE:	N.A.	SHEET 2	0F 2	SHEETS STA.	TO STA.		ILLINOIS FED. AI	ID PROJECT	

JEFFERSON COUNTY



WILLIAMSON COUNTY



- 1. ALL CONDUITS SHALL BE SEALED FROM THE OUTSIDE AND INSIDE WHEN ENTERING OR LEAVING.
- 2. ALL CABLING SHALL BE CONCEALED WITHIN CONDUIT AT MAXIMUM 40% FILL RATIO.
- 3. THIS ONE-LINE IS DIAGRAMMATIC AND NOT INTENDED TO SHOW ACTUAL ROUTING OR OUANTITIES OF MATERIALS. THIS ONE-LINE IS SHOWN FOR CLARIFICATION OF CONNECTIONS AND CABLE TYPES.
- 4. CONTRACTOR SHALL PROVIDE NEMA 4X 100A RATED 2-POLE (EITHER 480V OR 240V) DISCONNECT. ALL LOCATIONS NOTED ON DRAWINGS.

SCALE: N.A.

FILE NAME =	USER NAME = jdardeen	DESIGNED	MAG	KEAIZED -	
Single Line.dgn		DRAWN	DTL	REVISED -	
	PLOT SCALE = 20.0025 '/ in.	CHECKED	KLG	REVISED -	DEPA
	PLOT DATE = 3/16/2015	DATE	03 - 16 - 15	REVISED -	

GROUND

ROD

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

			ITS	DETAIL	.S		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		civici	F I	LINE DIA	V CB V IVI		I-57	D9 ITS SIGNING 2013-1	JEFFERSON/ WILLIAMSON	38	29
		OHIGE		.IIVL DIA	TOIIAIVI				CONTRACT	NO. 7	8337
SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILL INOIS FED. AT	D PROJECT		

