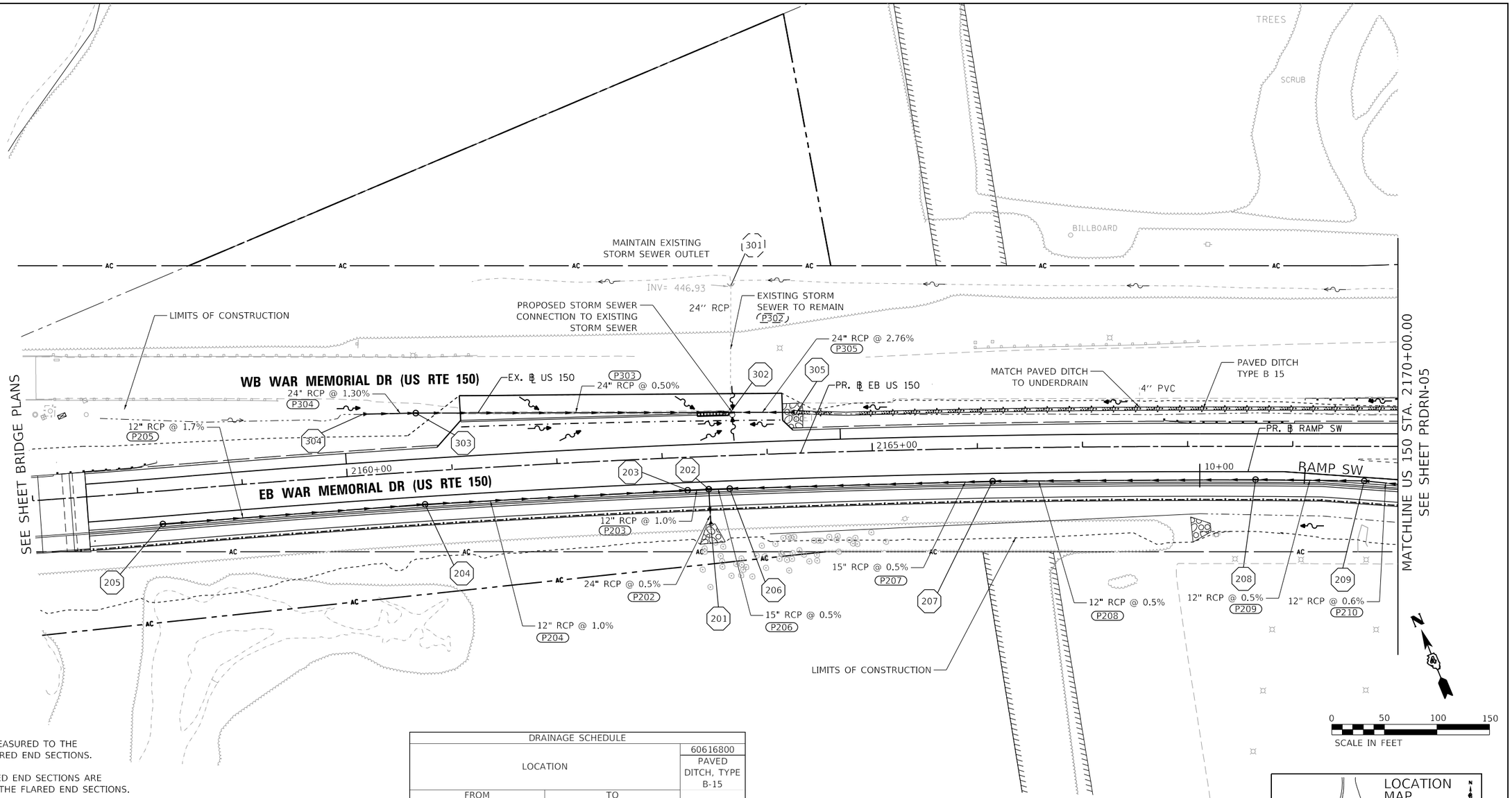


NOTES:

1) PIPE LENGTHS ARE MEASURED TO THE INVERT END OF THE FLARED END SECTIONS.

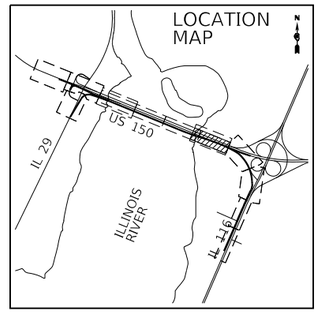
2) STATIONING OF FLARED END SECTIONS ARE AT THE INVERT END OF THE FLARED END SECTIONS.

*EXISTING TO REMAIN

DRAINAGE SCHEDULE						
LOCATION						60616800 PAVED DITCH, TYPE B-15
FROM			TO			
STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	FOOT
US 150						
2164+27.14	38.90	LT	2170+00.00	36.00	LT	573
TOTAL			TOTAL			573

STRUCTURE SCHEDULE										
STR. NO.	STATION	OFFSET		TYPE	F&G	RIM EL.	INV. N	INV. S	INV. E	INV. W
201	2163+43.84	64.5	RT	24" FES			456.56			
202	2163+43.1	31.1	RT	DRAIN STRUCTURES N2	TY 22	462.19		456.73	456.73	456.73
203	2163+22.98	31.3	RT	DRAIN STRUCTURES N1	TY 20	462.15			456.93	456.93
204	2160+72.16	31.4	RT	DRAIN STRUCTURES N1	TY 20	464.44			459.43	459.43
205	2158+21.59	31.4	RT	DRAIN STRUCTURES N1	TY 20	469.47			463.68	
206	2163+63.11	31.4	RT	DRAIN STRUCTURES N1	TY 20	462.19			456.83	456.83
207	2166+13.89	31.4	RT	DRAIN STRUCTURES N1	TY 20	463.31			458.08	458.08
208	2168+64.52	31.6	RT	DRAIN STRUCTURES N1	TY 20	464.59			459.33	459.33
209	2169+67.87	32.8	RT	DRAIN STRUCTURES N1	TY 20	465.23			459.85	459.85
301*	2163+71.57			EXISTING			446.93			
302	2163+66.52	41.0	LT	FL INLT BX MED		461.65	456.95		456.95	456.95
303	2160+68.94	55.8	LT	MH DIA 4'	TY 8	462.75			458.57	
304	2160+19.24	58.2	LT	24" FES			-	-	-	459.22
305	2164+27.14	38.9	LT	24" FES			-	-	-	458.58

PIPE SCHEDULE									
PIPE NO.	FROM STRUCTURE	U/S INV.	TO STRUCTURE	D/S INV.	CLASS/TYPE	SIZE (IN.)	LENGTH (L.F.)	SLOPE (%)	TRENCH BACKFILL (C.Y.)
P202	202	456.73	201	456.56	CLASS A, TYPE 2	24	33	0.50	13.4
P203	203	456.93	202	456.73	CLASS A, TYPE 2	12	20	1.00	11.1
P204	204	459.43	203	456.93	CLASS A, TYPE 2	12	250	1.00	130.1
P205	205	463.68	204	459.43	CLASS A, TYPE 2	12	250	1.70	140.8
P206	206	456.83	202	456.73	CLASS A, TYPE 2	15	20	0.50	12.0
P207	207	458.08	206	456.83	CLASS A, TYPE 2	15	250	0.50	138.9
P208	208	459.33	207	458.08	CLASS A, TYPE 2	12	250	0.50	135.3
P209	209	459.85	208	459.33	CLASS A, TYPE 2	12	103	0.50	56.8
P210	210	460.73	209	459.85	CLASS A, TYPE 2	12	147	0.60	75.0
P302*	302	456.95	301	446.93	EXISTING	EXISTING, 24"	EXISTING	8.36	-
P303	303	458.57	302	456.95	CLASS A, TYPE 1	24	299	0.54	66.9
P304	304	459.22	303	458.57	CLASS A, TYPE 1	24	50	1.30	-
P305	305	458.58	302	456.95	CLASS A, TYPE 1	24	59	2.76	17.2



PRDRAIN-04

MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

USER NAME = rwatson	DESIGNED - MR	REVISED -	
	DRAWN - RAW	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED - RDC	REVISED -	
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PLANS

SCALE: 1"=50' | SHEET 4 OF 8 SHEETS | STA. 2157+00.00 TO STA. 2170+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	501
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)	

FINAL SUBMITTAL

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STRUCTURE SCHEDULE										
STR. NO.	STATION	OFFSET		TYPE	F&G	RIM EL.	INV. N	INV. S	INV. E	INV. W
210	2171+14.23	47.5	RT	DRAIN STRUCTURES N1	TY 20	466.03				461.34
211	2170+50.96	81.3	RT	18" FES						456.00
212	2170+65.95	68.8	RT	MH DIA 4'	TYP 1 (CLOSED)	462.97			456.08	456.08
213	2172+55.14	86.3	RT	MH DIA 4'	TYP 1 (CLOSED)	464.00		457.03	457.03	
*214	2172+84.76	112.7	RT	EXISTING		461.52	458.77			458.77
401	16+61.91	43.8	RT	24" FES				463.25		
402	16+65.39	14.4	RT	MH DIA 4'	TY 1 (CLOSED)	468.42	463.85	463.85	463.85	463.85
403	16+65.39	29.0	LT	MH DIA 4'	TY 8	468.64			464.07	464.07
404	17+23.52	47.1	LT	24" FES						464.39
405	15+54.16	12.9	RT	DRAIN STRUCTURES N1	TY 20	467.47			464.18	
406	14+18.28	24.1	LT	FL INLT BX MED		467.73			464.60	
407	18+09.64	11.6	RT	DRAIN STRUCTURES N1	TY 20	470.59			464.56	464.56
408	19+03.96	7.8	RT	DRAIN STRUCTURES N1	TY 20	472.02			465.03	465.03
409	20+61.65	6.0	RT	DRAIN STRUCTURES N1	TY 20	474.19	468.04	468.04		
410	21+87.74	4.0	RT	DRAIN STRUCTURES N1	TY 20	475.96	470.18	470.18		
411	23+13.28	5.4	RT	DRAIN STRUCTURES N1	TY 20	477.57	472.31			
501	17+56.04	46.6	RT	15" FES					463.00	
502	17+72.61	35.4	RT	MH DIA 4'	TY 1 (CLOSED)	468.14			463.10	463.10
503	20+07.68	30.4	RT	MH DIA 4'	TY 1 (CLOSED)	471.81	464.25	464.25		
504	20+73.96	42.1	RT	MH DIA 4'	TY 8	468.87	464.58	464.58		

* EXISTING TO REMIAN

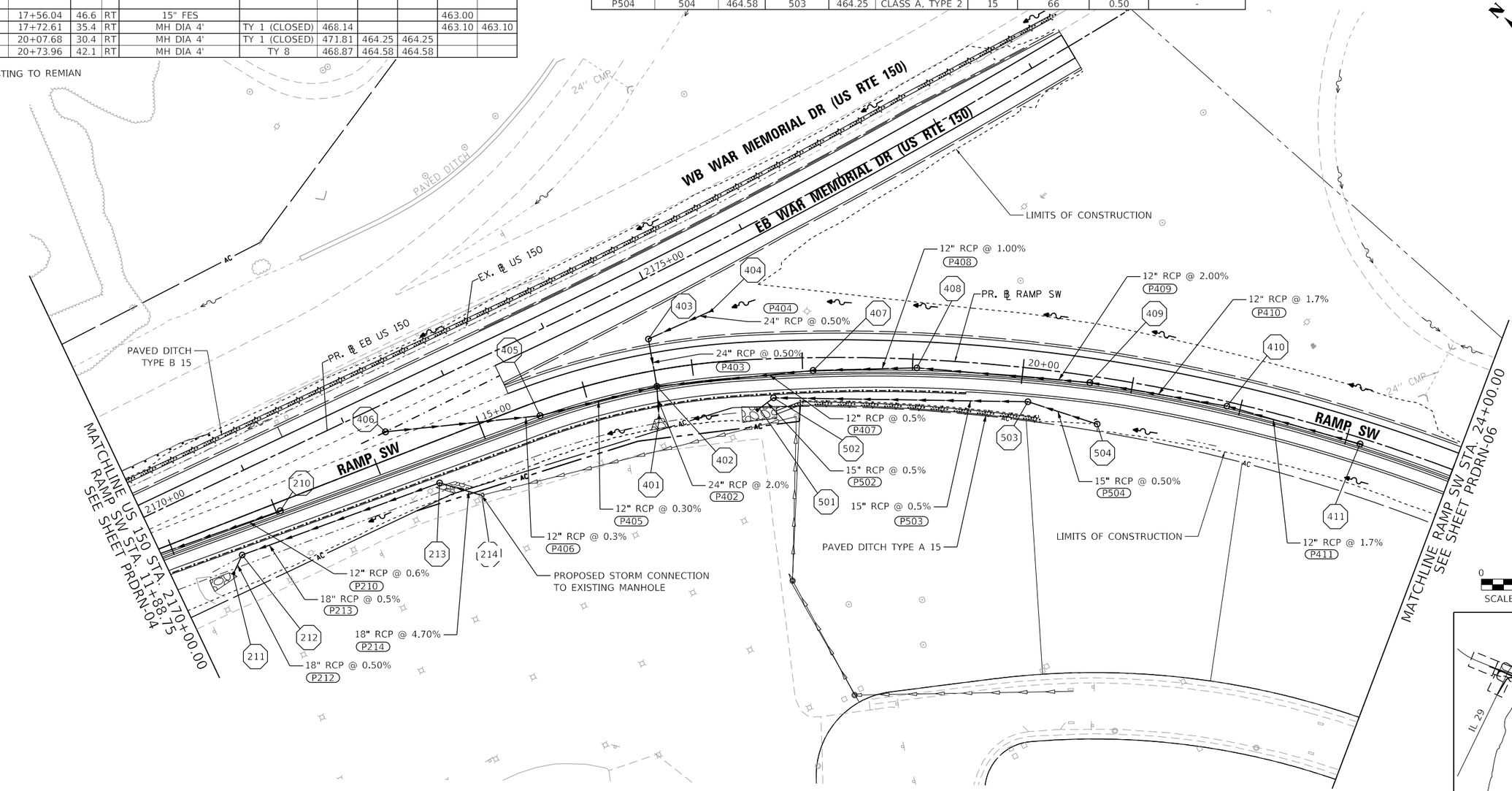
PIPE SCHEDULE									
PIPE NO.	FROM STRUCTURE	U/S INV.	TO STRUCTURE	D/S INV.	CLASS/TYPE	SIZE (IN.)	LENGTH (L.F.)	SLOPE (%)	TRENCH BACKFILL (C.Y.)
P212	212	456.08	211	456.00	CLASS A, TYPE 2	18	16	0.50	-
P213	213	457.03	212	456.08	CLASS A, TYPE 2	18	190	0.50	-
P214	214	458.77	213	457.03	CLASS A, TYPE 1	18	37	4.70	-
P402	402	463.85	401	463.25	CLASS A, TYPE 2	24	30	2.00	14.3
P403	403	464.07	402	463.85	CLASS A, TYPE 2	24	43	0.50	35.0
P404	404	464.39	403	464.07	CLASS A, TYPE 2	24	64	0.50	35.7
P405	405	464.40	402	463.85	CLASS A, TYPE 2	12	109	0.50	88.8
P406	406	465.11	405	464.40	CLASS A, TYPE 2	12	141	0.50	32.6
P407	407	464.56	402	463.85	CLASS A, TYPE 2	12	142	0.50	157.8
P408	408	465.03	407	464.56	CLASS A, TYPE 2	12	94	0.50	76.6
P409	409	468.04	408	465.03	CLASS A, TYPE 2	12	157	1.92	127.9
P410	410	470.18	409	468.04	CLASS A, TYPE 2	12	126	1.70	84.0
P411	411	472.31	410	470.18	CLASS A, TYPE 2	12	125	1.70	74.1
P502	502	463.10	501	463.00	CLASS A, TYPE 2	15	20	0.50	-
P503	503	464.25	502	463.10	CLASS A, TYPE 2	15	230	0.50	-
P504	504	464.58	503	464.25	CLASS A, TYPE 2	15	66	0.50	-

DRAINAGE SCHEDULE							
LOCATION						60615400 PAVED DITCH, TYPE A-15	60516800 PAVED DITCH, TYPE B-15
FROM			TO				
STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	FOOT	FOOT
US 150							
2170+00.00	36.00	LT	2179+38.36	30.98	LT		938
RAMP SW							
17+75.00	48.66	RT	20+18.41	45.25	RT	243	
TOTAL			TOTAL			243	938

NOTES:

1) PIPE LENGTHS ARE MEASURED TO THE INVERT END OF THE FLARED END SECTIONS.

2) STATIONING OF FLARED END SECTIONS ARE AT THE INVERT END OF THE FLARED END SECTIONS.



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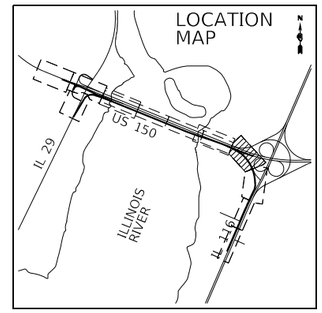

PRDRAIN-05

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MILLENNIA PROFESSIONAL SERVICES www.mps-il.com

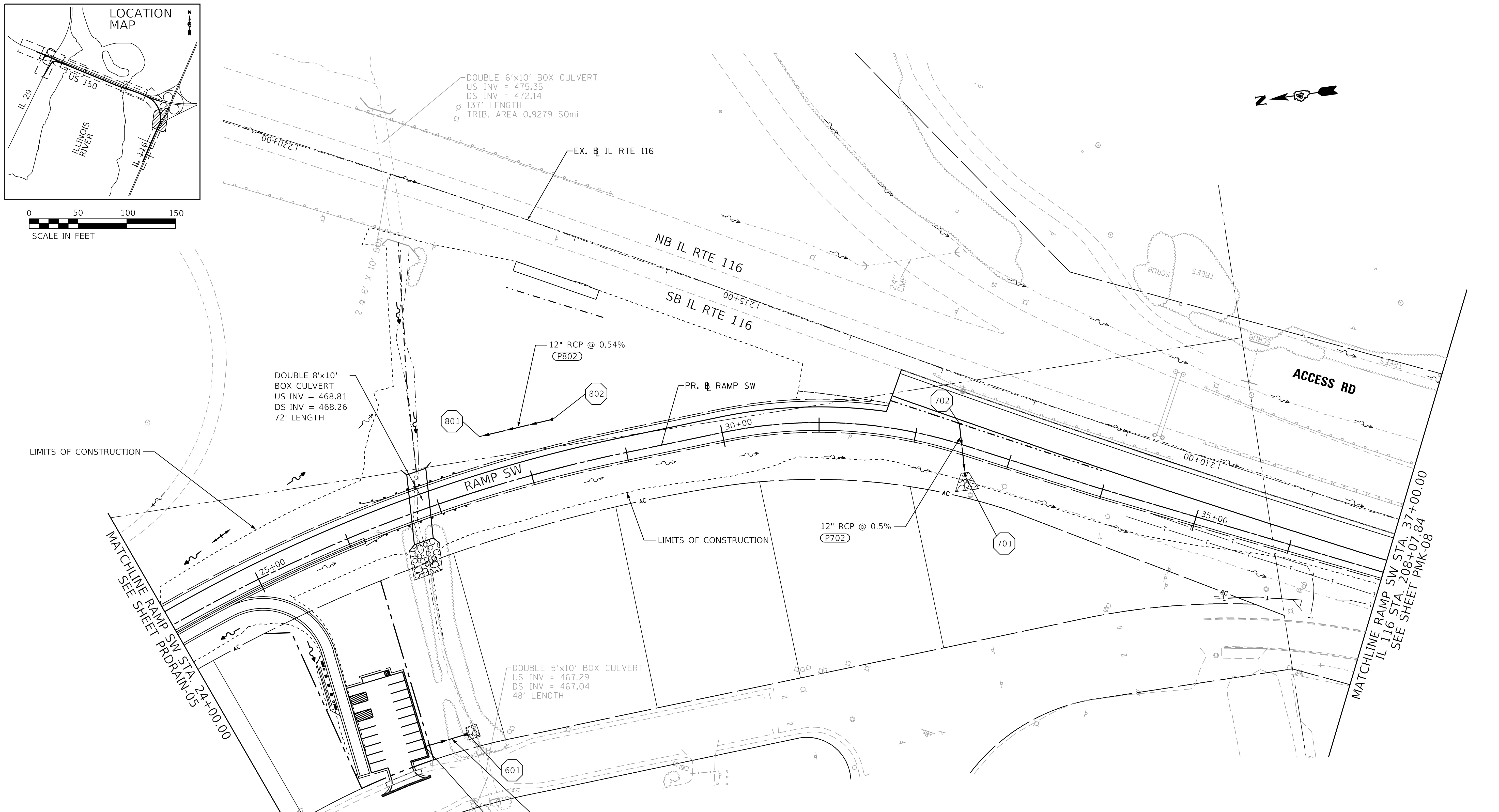
USER NAME = rwatson	DESIGNED - MJR	REVISED -
	DRAWN - RAW	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - RDC	REVISED -
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PLANS

SCALE: 1"=50' | SHEET 5 OF 8 SHEETS | STA. 2170+00.00 TO STA. 24+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	502
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			



NOTES:

1) PIPE LENGTHS ARE MEASURED TO THE INVERT END OF THE FLARED END SECTIONS.

2) STATIONING OF FLARED END SECTIONS ARE AT THE INVERT END OF THE FLARED END SECTIONS.

3) MAINTAIN 10' HORIZONTAL SEPARATION FROM EXISTING WATER LINE.

* RIM ELEVATION AND STATIONING LOCATED AT EDGE OF PAVEMENT

STRUCTURE SCHEDULE

STR. NO.	STATION	OFFSET		TYPE	F&G	RIM EL.	INV. N	INV. S	INV. E	INV. W
601	26+42.97	231.6	RT	12" FES				468.95		
*602	25+89.77	227.2	RT	INLET TY A	TY 11	473.21	469.18			
701	32+62.05	30.0	RT	12" FES					469.15	
702	32+40.00	20.0	LT	FL INLT BX MED		475.61			469.43	
801	27+60.	53.0	LT	FLAP GATE			473.36			
802	28+35.00	50.0	LT	12" FES				474.17		

PIPE SCHEDULE

PIPE NO.	FROM STRUCTURE	U/S INV.	TO STRUCTURE	D/S INV.	CLASS/TYPE	SIZE (IN.)	LENGTH (L.F.)	SLOPE (%)	TRENCH BACKFILL (C.Y.)
P602	602	469.18	601	468.95	CLASS A, TYPE 2	12	46	0.50	-
P702	702	469.43	701	469.15	CLASS A, TYPE 2	12	55	0.50	27.2
P802	802	475.19	801	474.81	CLASS A, TYPE 1	12	71	0.54	-

PRDRAIN-06

MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

USER NAME = rwatson	DESIGNED - MJR	REVISED -	
	DRAWN - RAW	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED - RDC	REVISED -	
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PLANS

SCALE: 1"=50' | SHEET 6 OF 8 SHEETS | STA. 24+00.00 TO STA. 208+07.84

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	503
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT NHPP-YRP3(905)		

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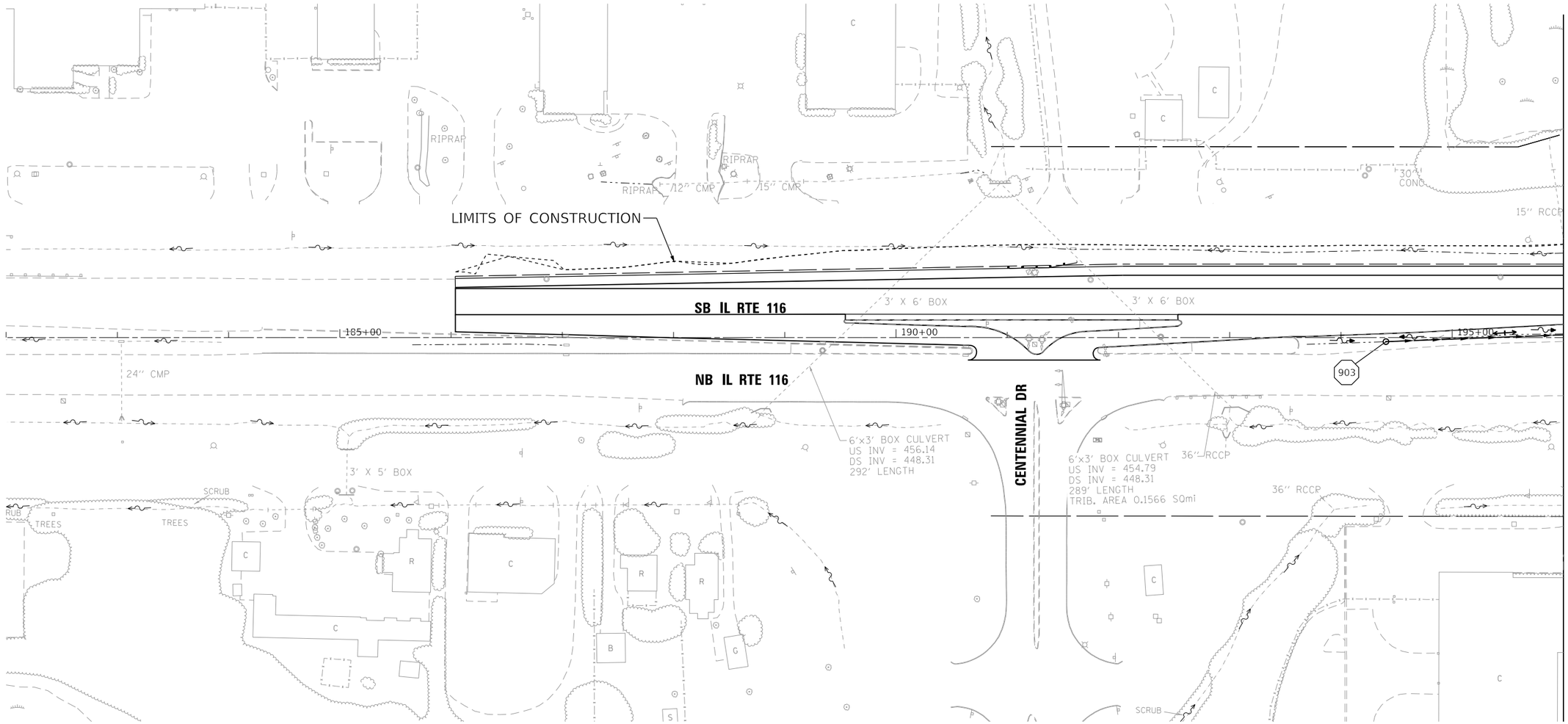
FINAL SUBMITTAL



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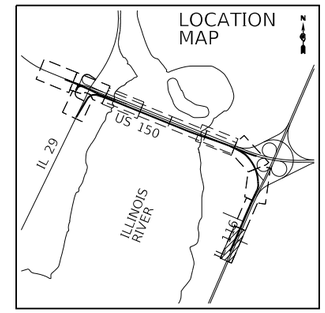

STRUCTURE SCHEDULE									
STR. NO.	STATION	OFFSET		TYPE	F&G	RIM EL.	INV. N	INV. S	INV. E	INV. W
903	194+40.4	3.7	RT	FL INLT BX MED		462.02	458.02			

FINAL SUBMITTAL

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PRDRAIN-07

MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

USER NAME = rwatson	DESIGNED - MJR	REVISED -
	DRAWN - RAW	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - RDC	REVISED -
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

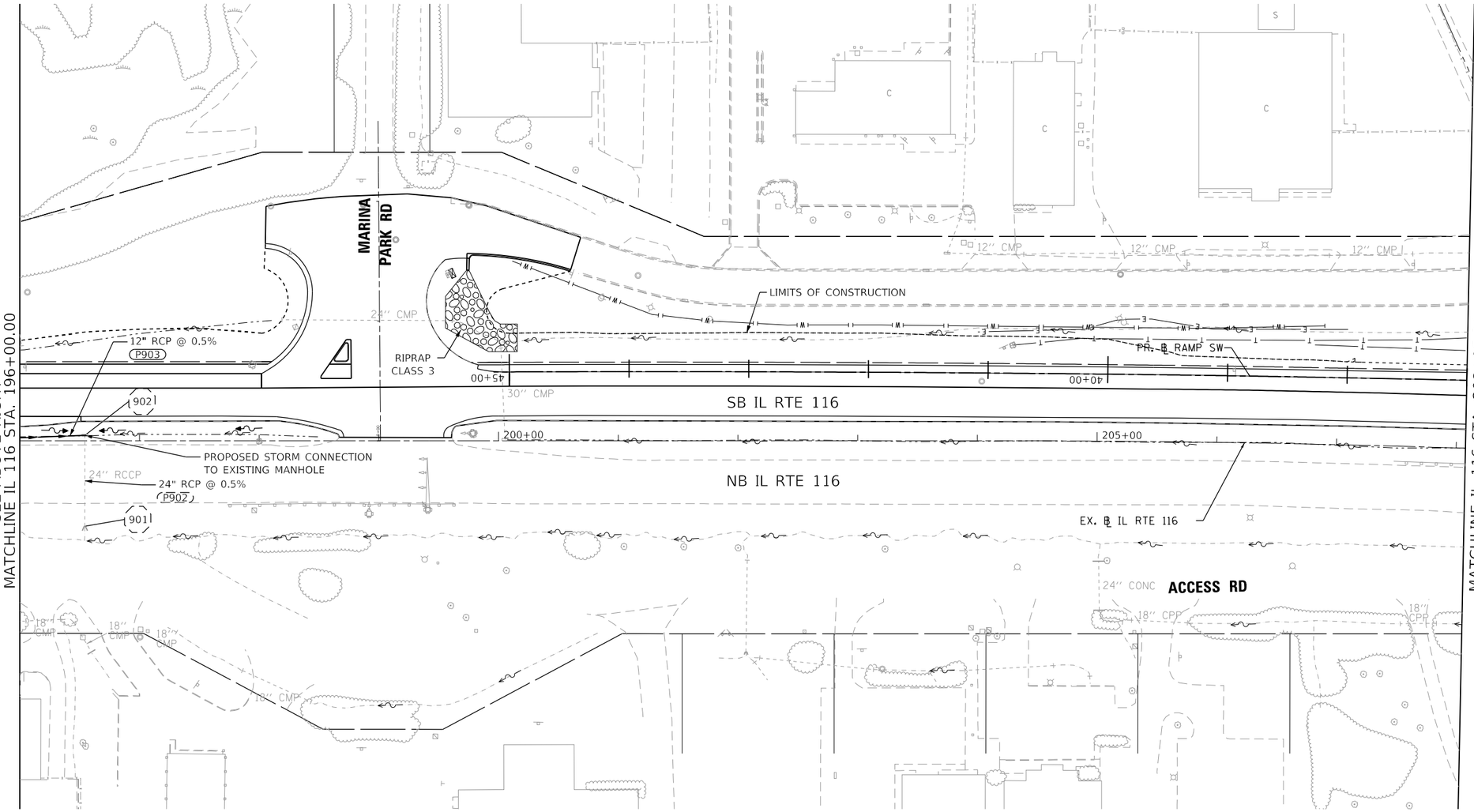
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PLANS

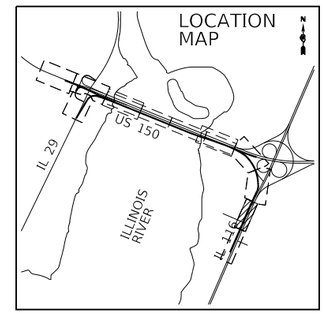
SCALE: 1"=50' | SHEET 7 OF 8 SHEETS | STA. 182+00.00 TO STA. 196+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	504
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

SEE ABOVE RIGHT
MATCHLINE IL 116 STA. 196+00.00

MATCHLINE IL 116 STA. 208+07.84
RAMP SW STA. 37+00.00
SEE SHEET PMK-07





STRUCTURE SCHEDULE										
STR. NO.	STATION	OFFSET		TYPE	F&G	RIM EL.	INV. N	INV. S	INV. E	INV. W
*901	196+54.3	71.4	RT	EXISTING					456.57	
*902	196+54.5	4.5	LT	EXISTING		461.82	456.95			

PIPE SCHEDULE									
PIPE NO.	FROM STRUCTURE	U/S INV.	TO STRUCTURE	D/S INV.	CLASS/TYPE	SIZE (IN.)	LENGTH (L.F.)	SLOPE (%)	TRENCH BACKFILL (C.Y.)
P903	903	458.02	902	456.95	CLASS A, TYPE 2	12	214	0.50	-
*P902	902	456.95	901	456.57	EXISTING	24	76	0.50	-

* EXISTING TO REMAIN

0 50 100 150
SCALE IN FEET

PRDRAIN-08

FINAL SUBMITTAL

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MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

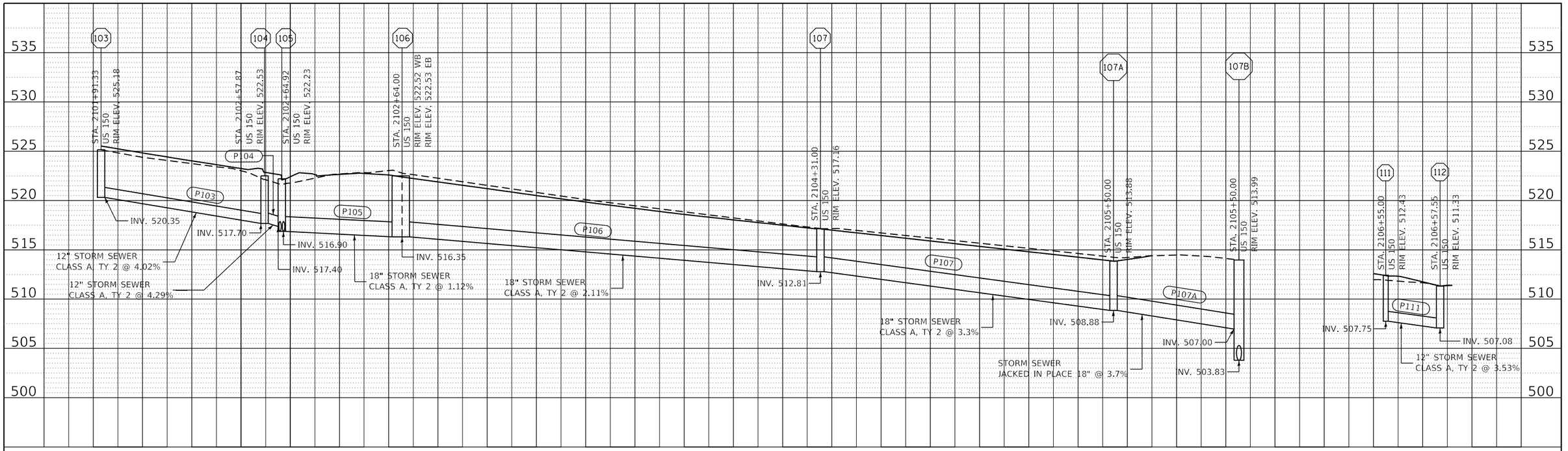
USER NAME = rwatson	DESIGNED - MJR	REVISED -
	DRAWN - RAW	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - RDC	REVISED -
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

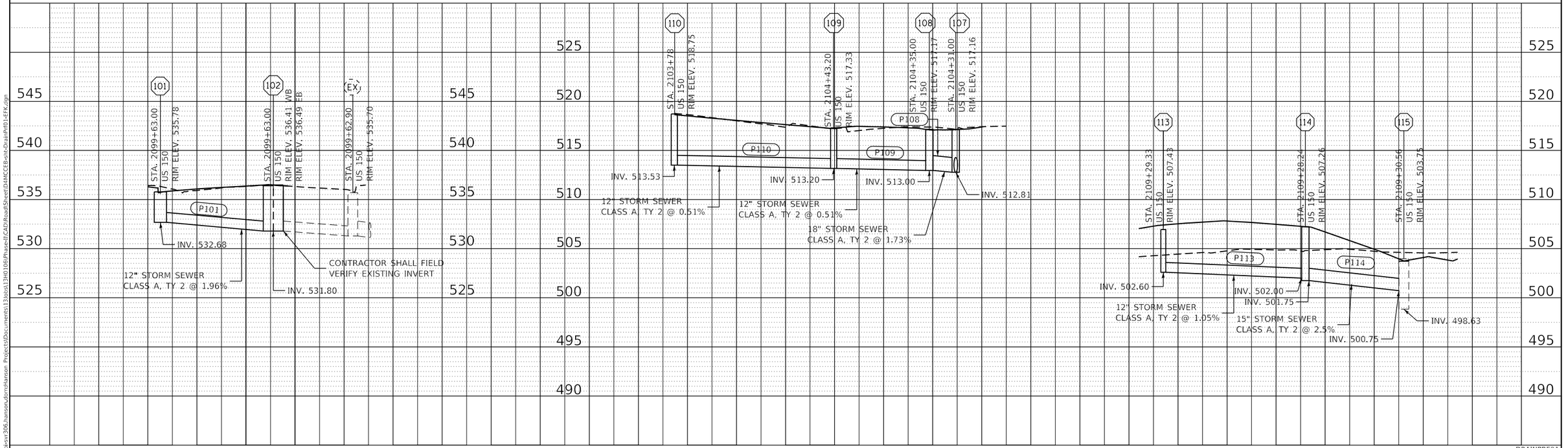
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PLANS

SCALE: 1"=50' | SHEET 8 OF 8 SHEETS | STA. 196+00.00 TO STA. 208+07.84

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	505
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	





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SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD

FINAL SUBMITTAL

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DRAINPRF01

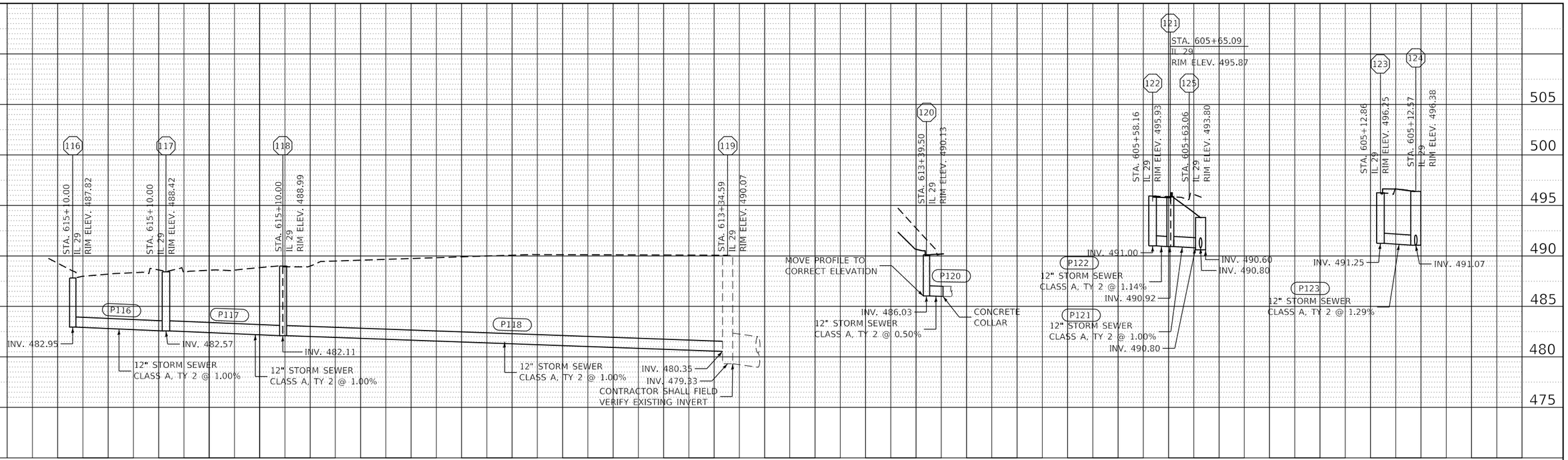
EFK·Moen, LLC Civil Engineering Design	USER NAME = sfurrow	DESIGNED - MYS	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 40.00 ' / in.	CHECKED - SJF	REVISED -
	PLOT DATE = 11/14/2018	DATE - 11/28/2018	REVISED -

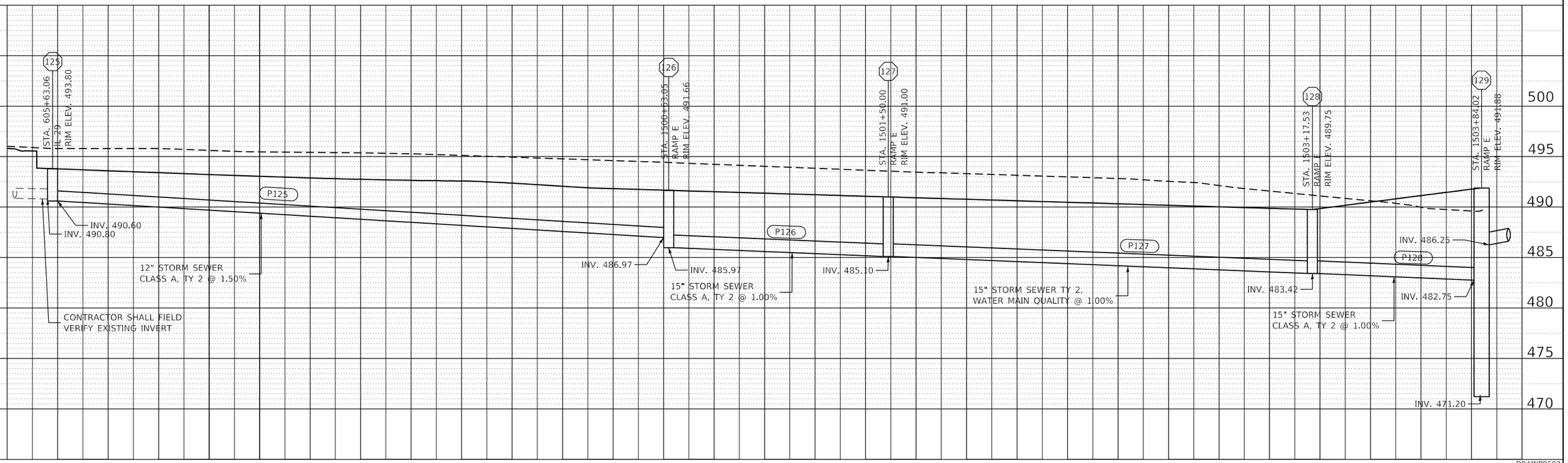
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PROFILES

SCALE: 1=20H:1=5V | SHEET 1 OF 5 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:[(102-1),(14HB)]BR)BR	PEORIA	1361	506
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	





PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.____, BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO.____, BY, DATE

FINAL SUBMITTAL

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DRAINPRF02

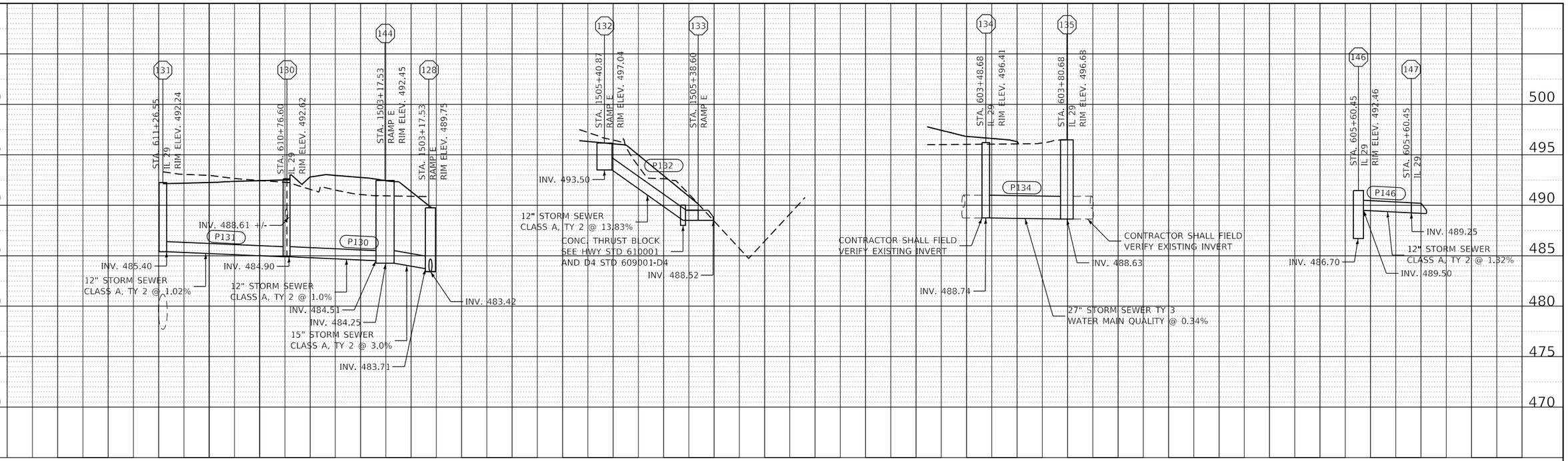
EFK·Moen, LLC Civil Engineering Design	USER NAME = sfurrow	DESIGNED - MYS	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 40.00 ' / in.	CHECKED - SJF	REVISED -
	PLOT DATE = 11/14/2018	DATE - 11/28/2018	REVISED -

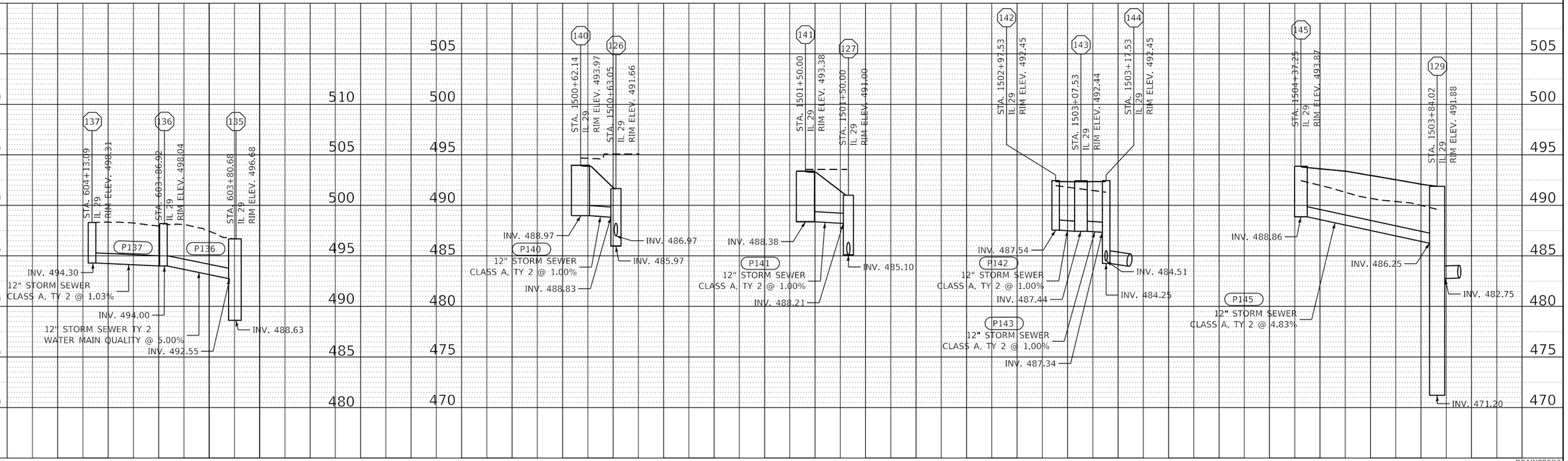
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PROFILES

SCALE: 1=20H:1=5V | SHEET 2 OF 5 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:[(102-1),(14HB)]BR)BR	PEORIA	1361	507
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	





PLAN
PROFILE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

FINAL SUBMITTAL

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DRAINPRFO3

EFK • Moen, LLC
Civil Engineering Design

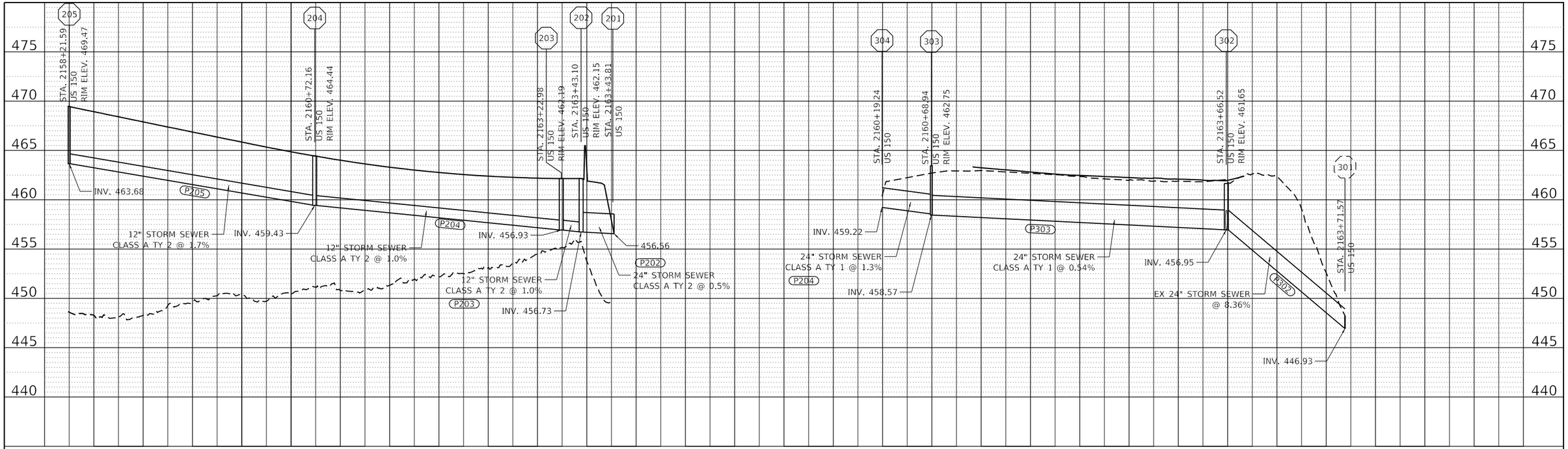
USER NAME = sfurrow	DESIGNED - MYS	REVISED -	
	DRAWN - MSK	REVISED -	
PLOT SCALE = 40.00 ' / in.	CHECKED - SJF	REVISED -	
PLOT DATE = 11/14/2018	DATE - 11/28/2018	REVISED -	

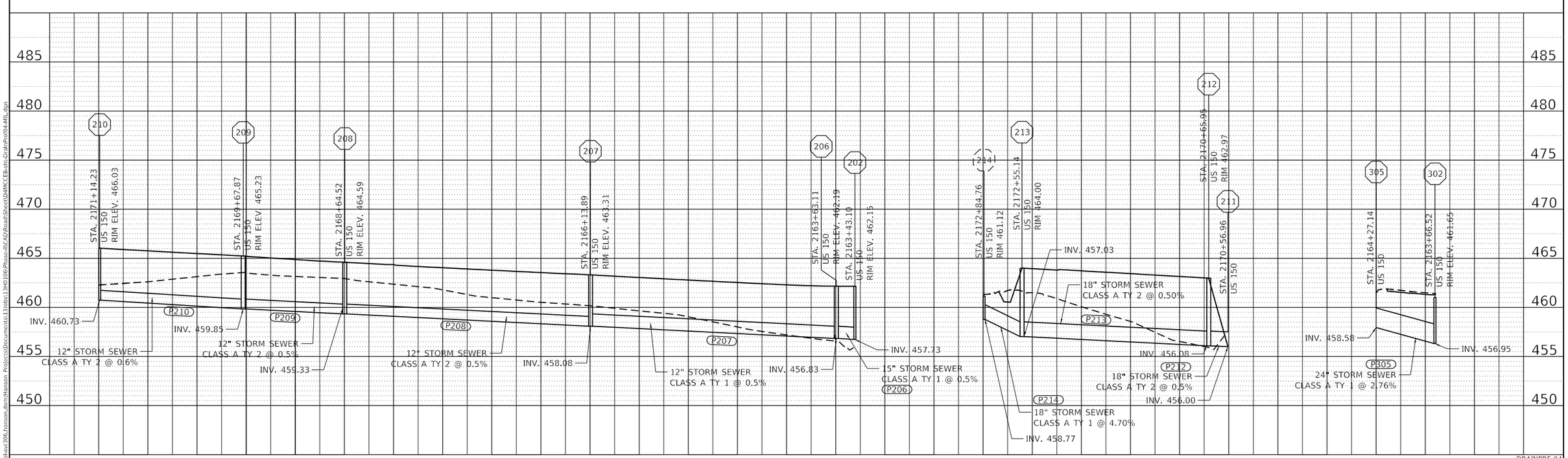
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PROFILES

SCALE: 1=20H:1=5V | SHEET 3 OF 5 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:[(102-1),(14HB)]BR)BR	PEORIA	1361	508
		CONTRACT NO. 68B46		
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)





PLAN
SURVEYED
PLOTTED
ASSIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
S.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.

FINAL SUBMITTAL

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DRAINPRF-04

MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

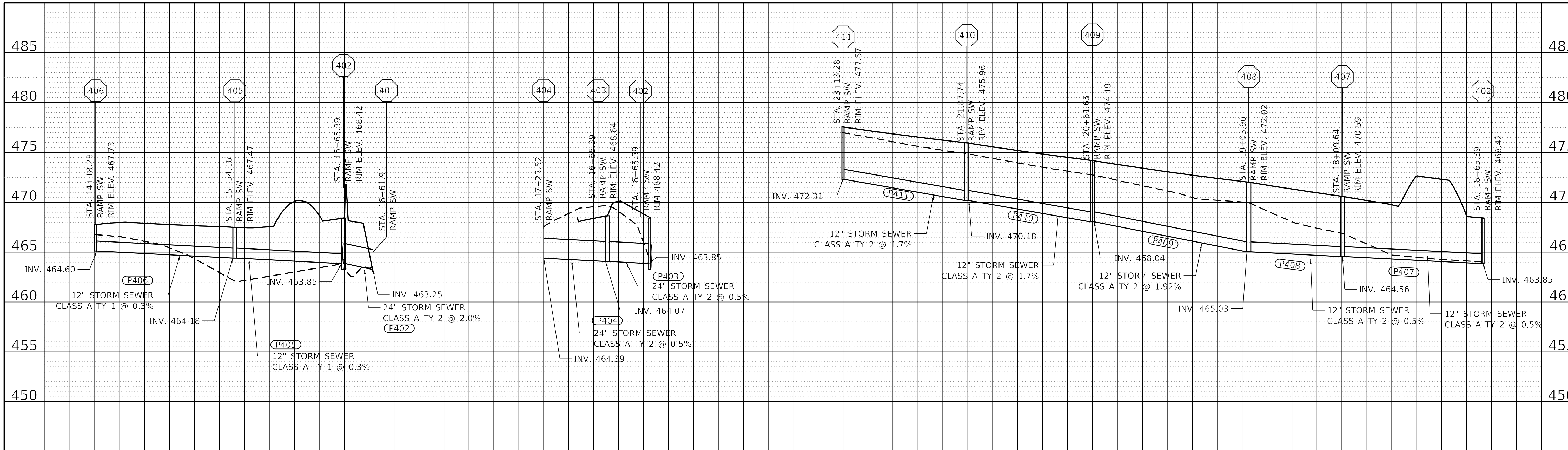
USER NAME = rwatson	DESIGNED - MJR	REVISED -
	DRAWN - RAW	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - RDC	REVISED -
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

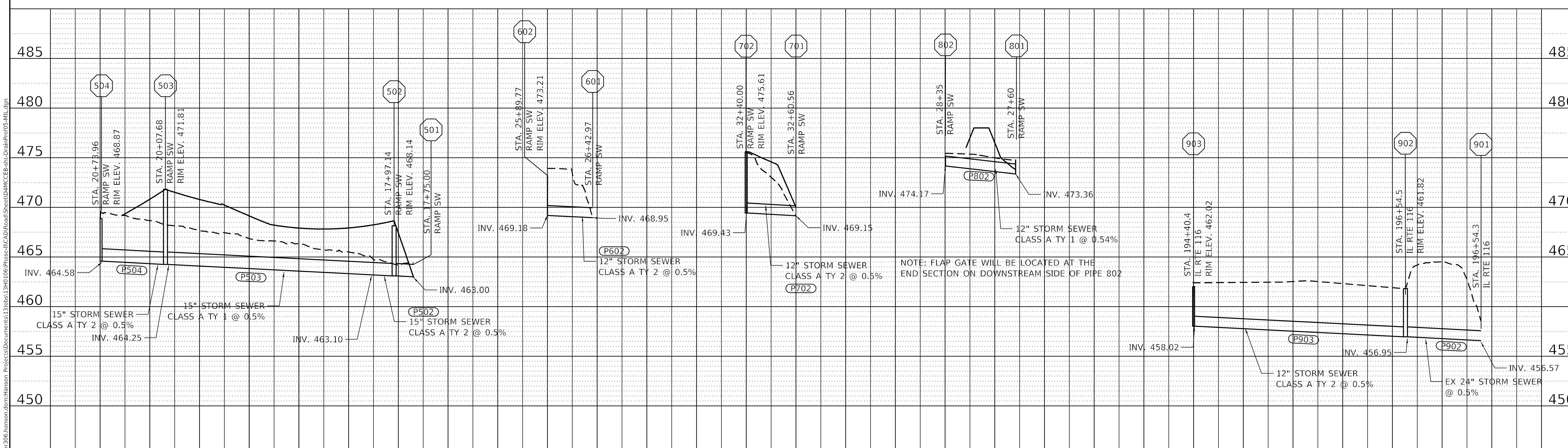
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PROFILES

SCALE: 1=20H:1=5V | SHEET 4 OF 5 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:[(102-1),(14HB)]BR)BR	TAZEWELL	1361	509
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	





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PROFILE | NOTE BOOK | NO. | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | BY | DATE

FINAL SUBMITTAL

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DRAINPRF-05

MILLENNIA PROFESSIONAL SERVICES
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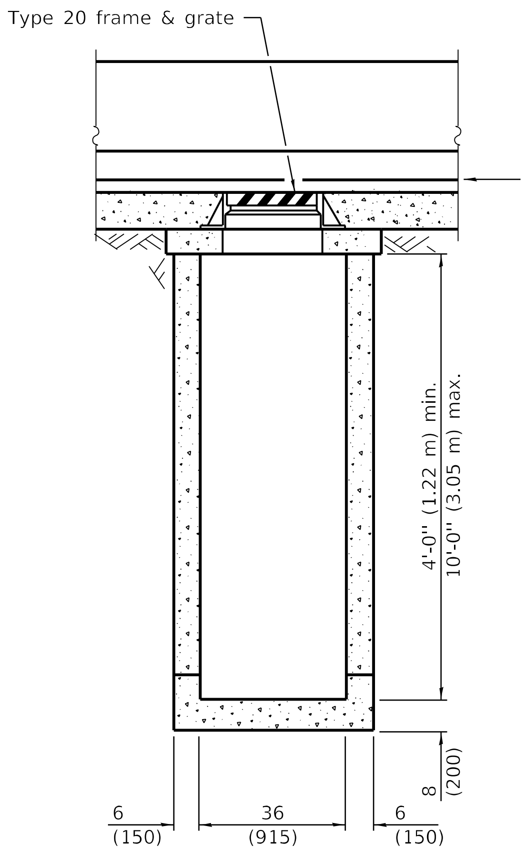
USER NAME = rwatson	DESIGNED - MJR	REVISED -	
	DRAWN - RAW	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED - RDC	REVISED -	
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

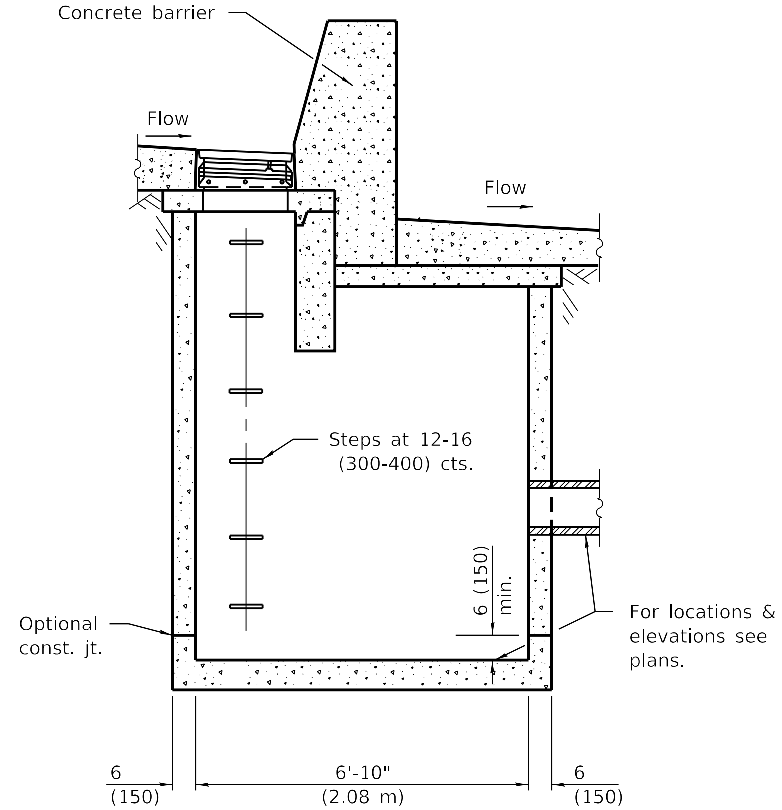
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE - PROPOSED PROFILES

SCALE: 1=20H;1=5V | SHEET 5 OF 5 SHEETS | STA. N/A TO STA. N/A

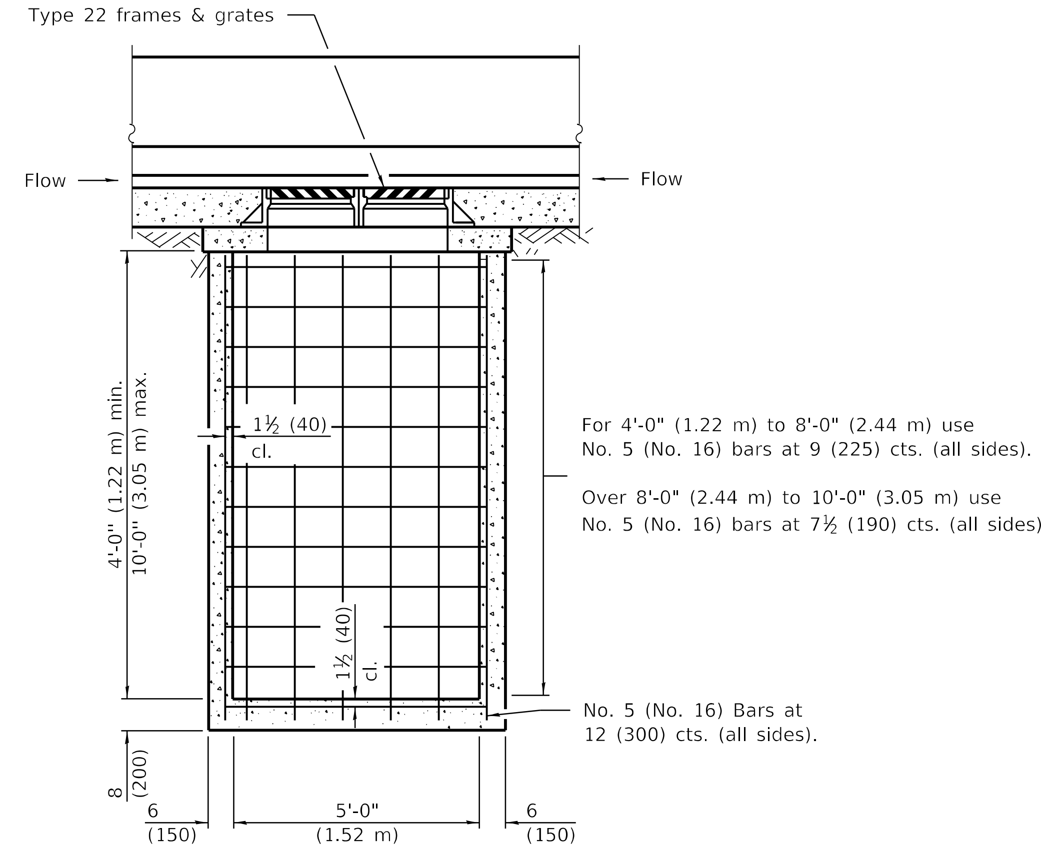
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	510
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	



FRONT ELEVATION - TYPE 1



SIDE ELEVATION - TYPE 1 & 2



FRONT ELEVATION - TYPE 2

GENERAL NOTES

See Standard 602101 for additional information.

These structures are for use with concrete barrier, single face, 44 height (See Miscellaneous Details - Concrete Barrier).

The reinforcement shown in the front elevation of the Type 2 is typical for both elevations of all types.

See Standard 602701 for details of steps.

Exposed edges shall be beveled ¾ (19).

All dimensions are in inches (millimeters) unless otherwise shown.

DRAINDT01

FINAL SUBMITTAL

MODEL: Default

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USER NAME = rwatson	DESIGNED - MJR	REVISED -	STATE OF ILLINOIS
	DRAWN - RAW	REVISED -	DEPARTMENT OF TRANSPORTATION
PLOT SCALE = 0:2.0000 ':' / in.	CHECKED - RDC	REVISED -	
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -	

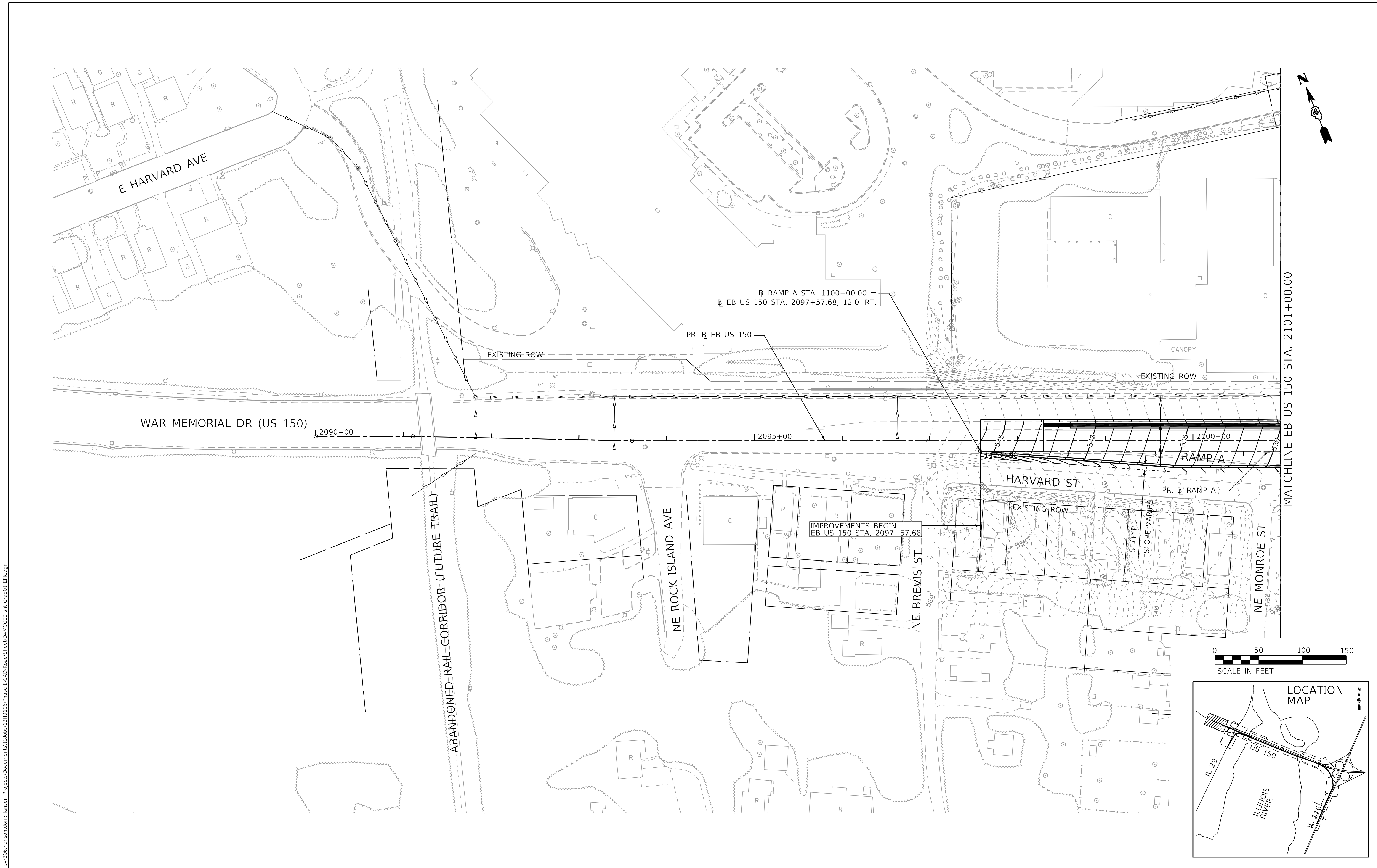
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DRAINAGE STRUCTURES, TYPE 1 AND 2 (SPECIAL)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	511

CONTRACT NO. 68B46

ILLINOIS | FED. AID PROJECT | NHPP-YRP3(905)



GRAD01

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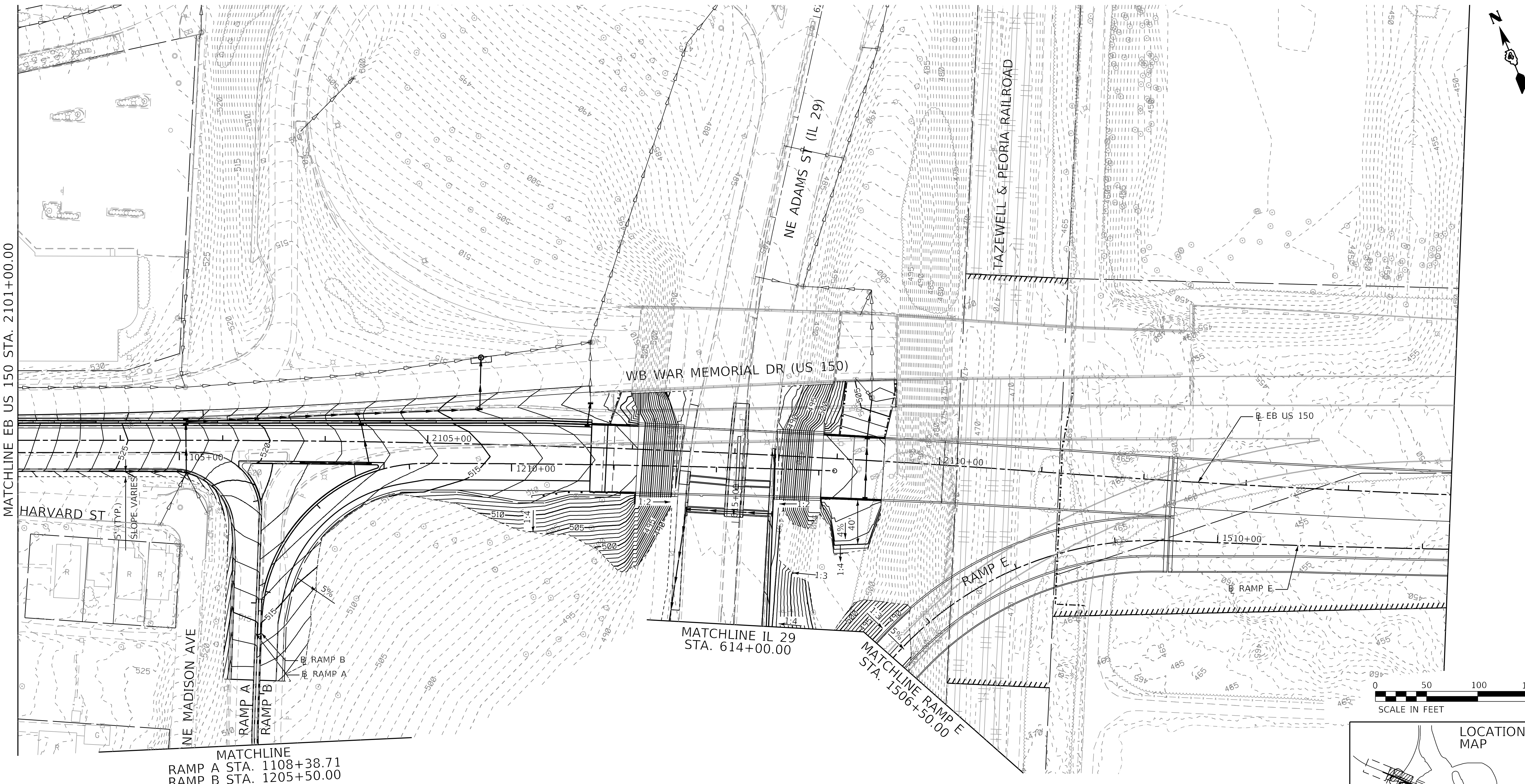
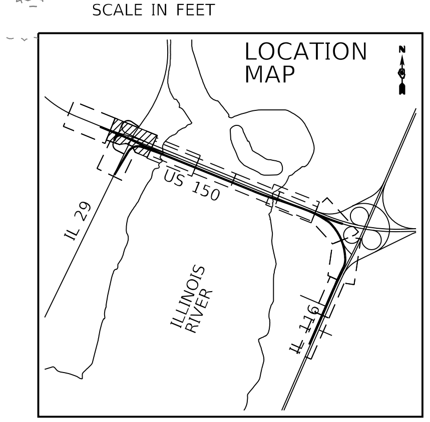
TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = sfurrow PLOT SCALE = 100.00 ' / in. PLOT DATE = 11/14/2018	DESIGNED - MPG DRAWN - CHECKED - DATE - 11/28/2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT GRADING PLANS SCALE: 1"=50' SHEET 1 OF 7 SHEETS STA. 2090+00 TO STA. 2101+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	512
	CONTRACT NO. 68B46			
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			





GRADPR-02

FINAL SUBMITTAL

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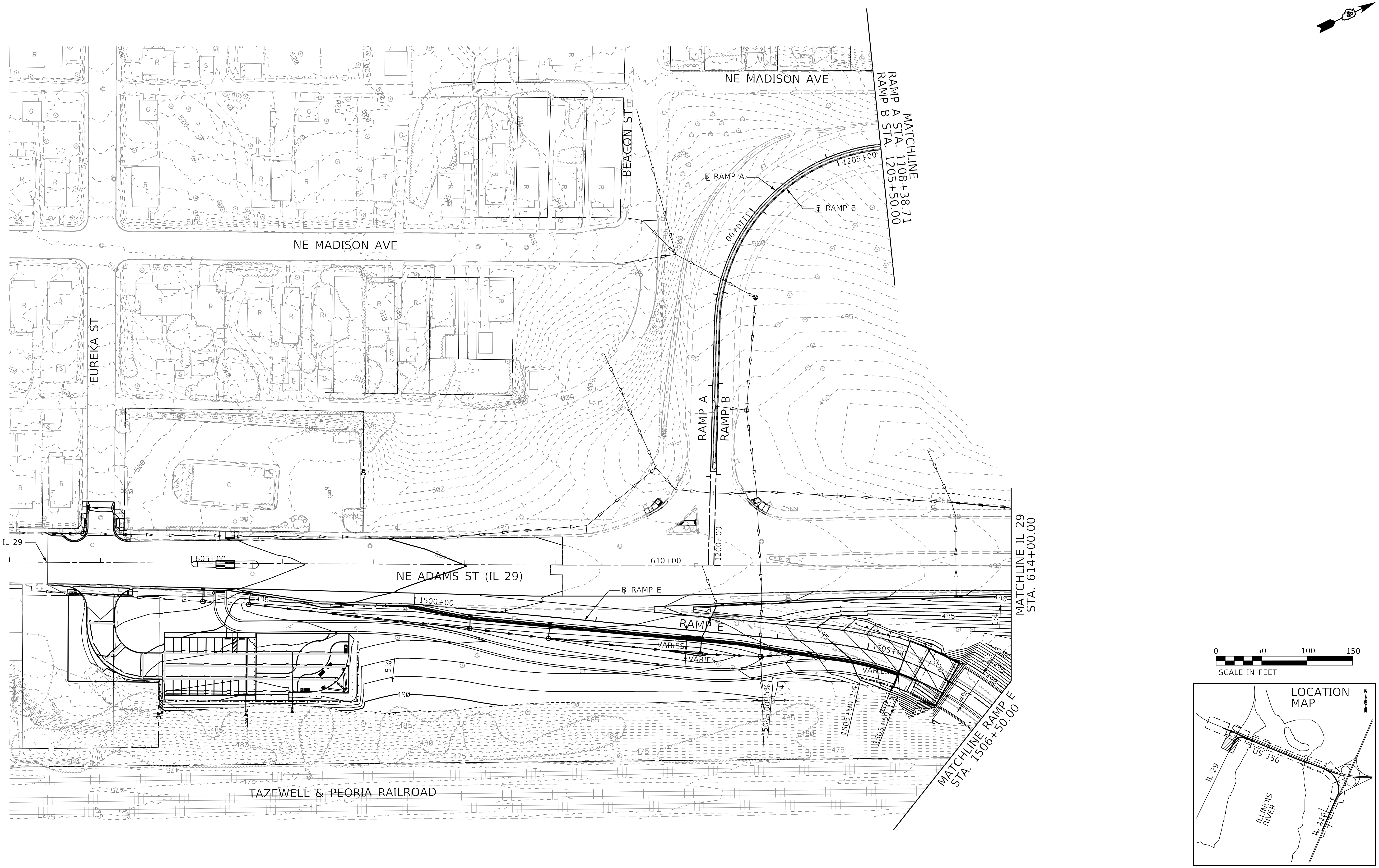
TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = sfurrow PLOT SCALE = 100.00 ' / in. PLOT DATE = 11/14/2018	DESIGNED - MPG DRAWN - CHECKED - DATE - 11/28/2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT GRADING PLANS SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. 2101+00 TO STA. 2115+00	F.A.P RTE. 317	SECTION [15B;[(102-1),(14HB)]BR)BR	COUNTY PEORIA	TOTAL SHEETS 1361 / SHEET NO. 513
						CONTRACT NO. 68B46			
						ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	



GRADPR-03

TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = sfurrow	DESIGNED - MPG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT GRADING PLANS
		DRAWN -	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/14/2018	DATE - 11/28/2018	REVISED -		SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 603+00 TO STA. 614+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	514
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

MODEL: Default
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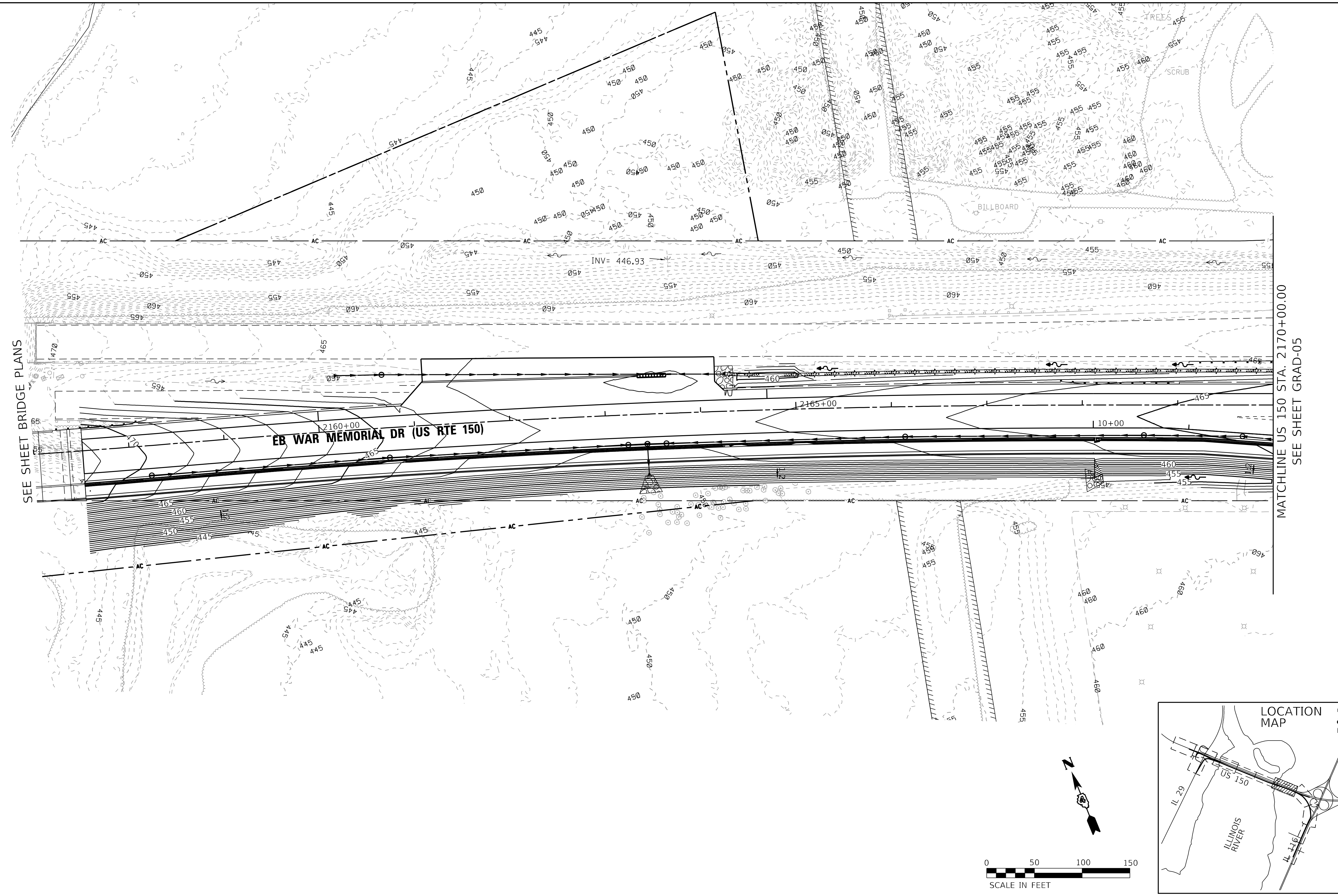

GRADPR-04

FINAL SUBMITTAL

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MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - RAW	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 11/27/2018	DATE - 11/28/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
GRADING PLANS

SCALE: 1"=50' | SHEET 4 OF 7 SHEETS | STA. 2157+00.00 TO STA. 2170+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	TAZEWELL	1361	515
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

FINAL SUBMITTAL

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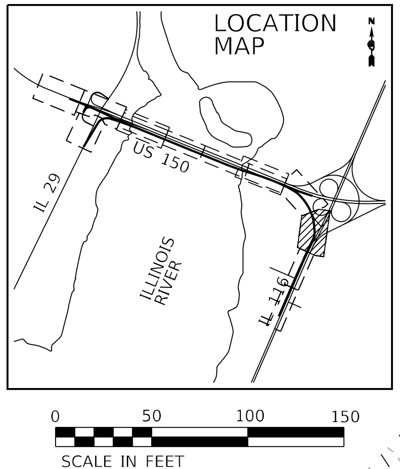
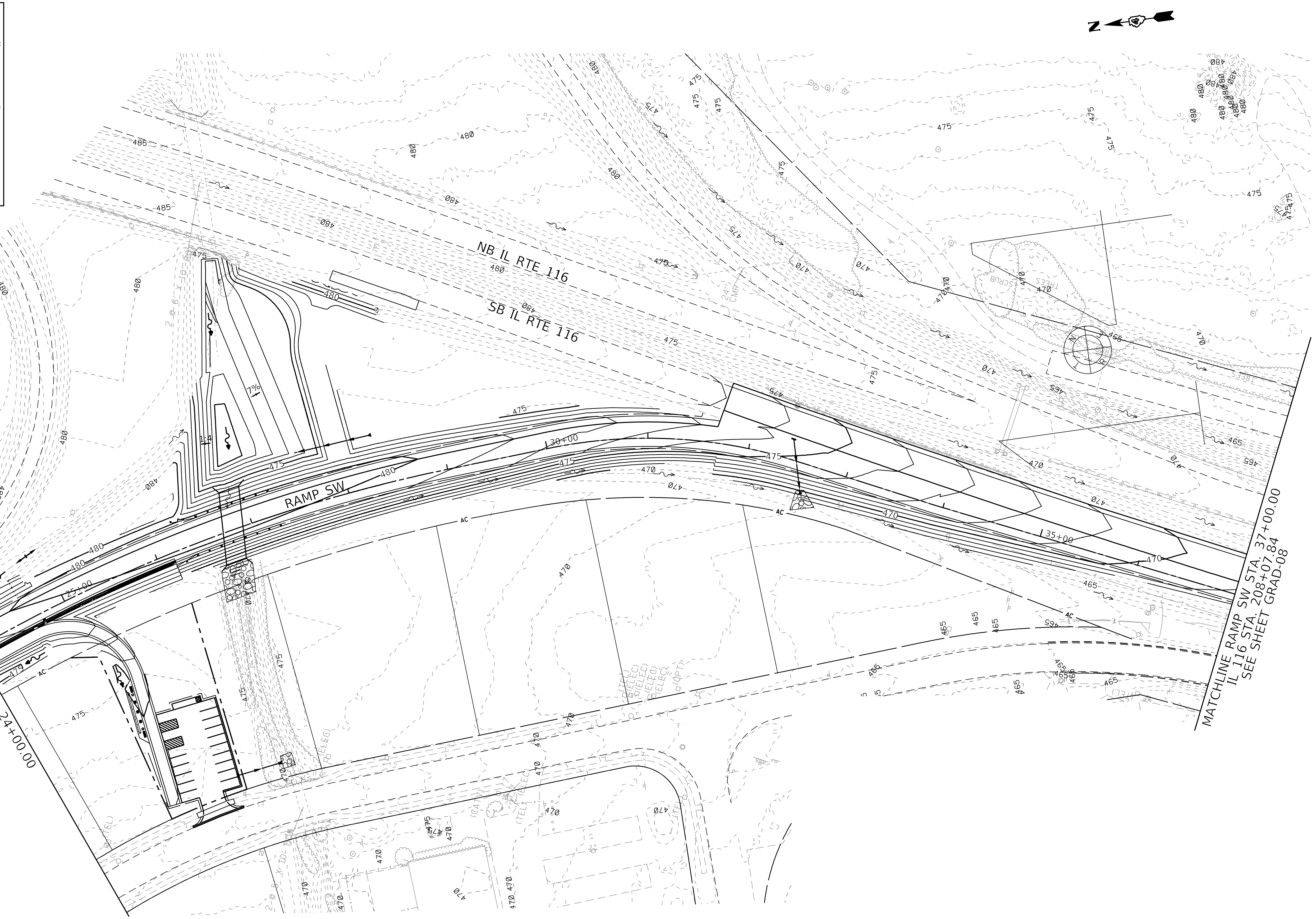
GRADPR-05

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT GRADING PLANS
		DRAWN - JP	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -		SCALE: 1"=50' | SHEET 5 OF 7 SHEETS | STA. 2170+00.00 TO STA. 2179+38.36

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	516
		CONTRACT NO. 68B46		
	ILLINOIS | FED. AID PROJECT NHPP-YRP3(905)			

FINAL SUBMITTAL





GRADPR-06

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -
		DRAWN - JP	REVISED -
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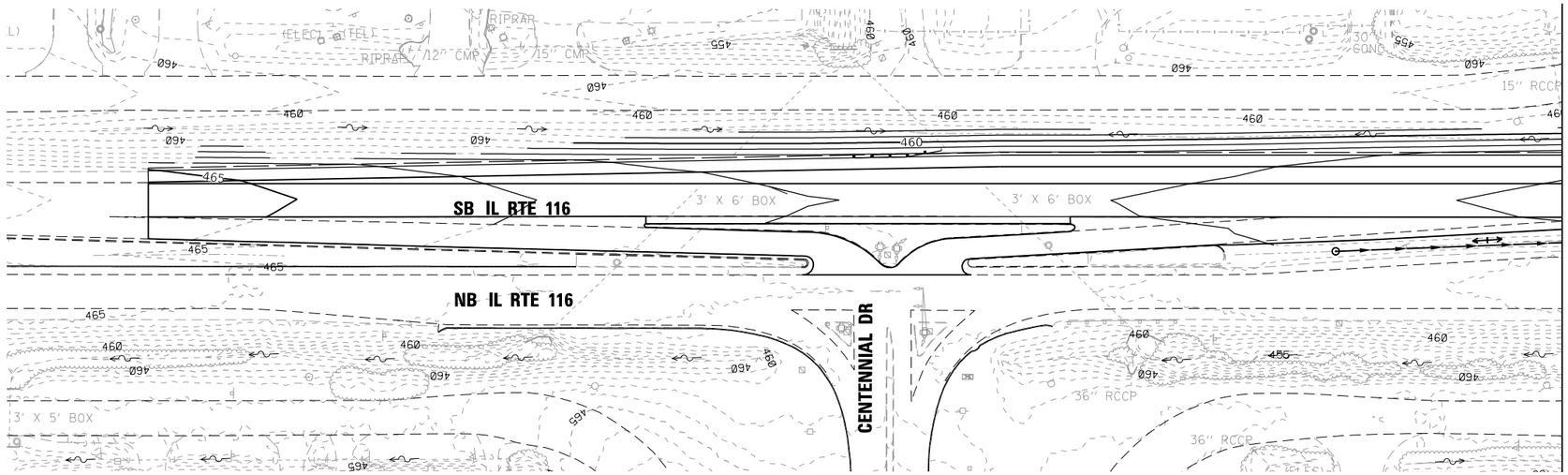
	PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

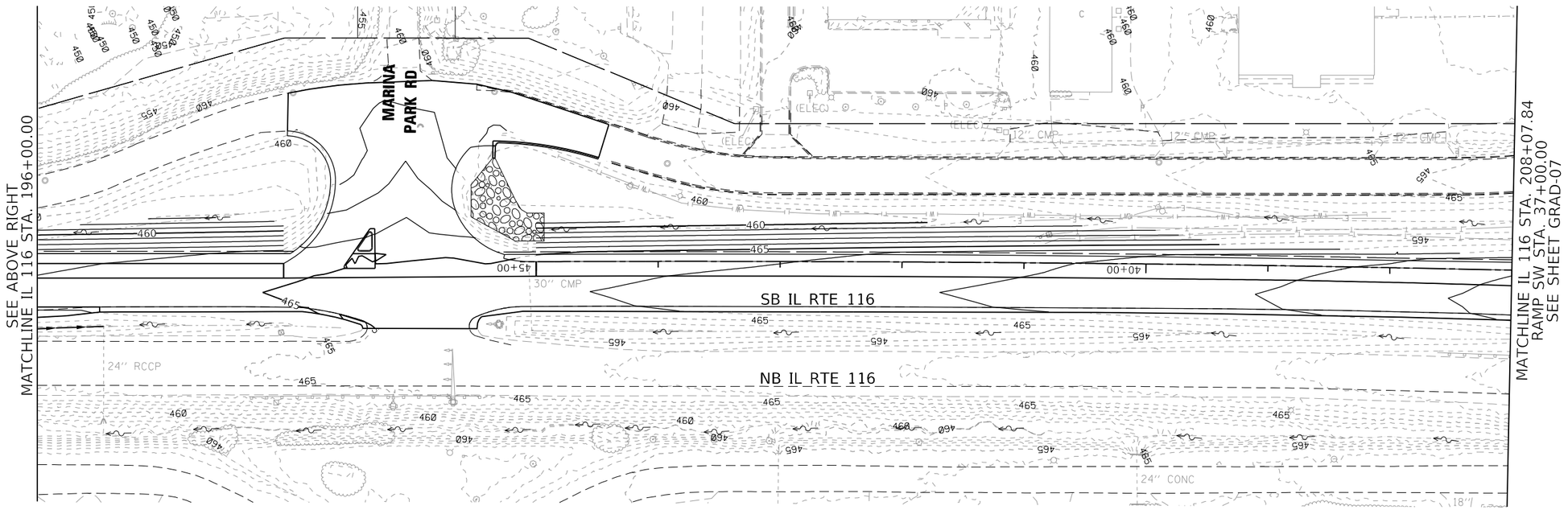
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

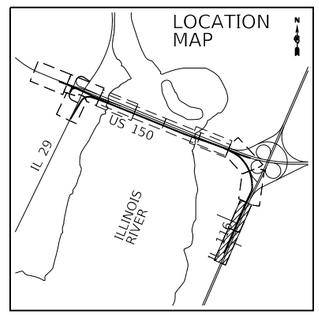
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
GRADING PLANS

SCALE: 1"=50' | SHEET 6 OF 7 SHEETS | STA. 24+00.00 TO STA. 37+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	517
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)	







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USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
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PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

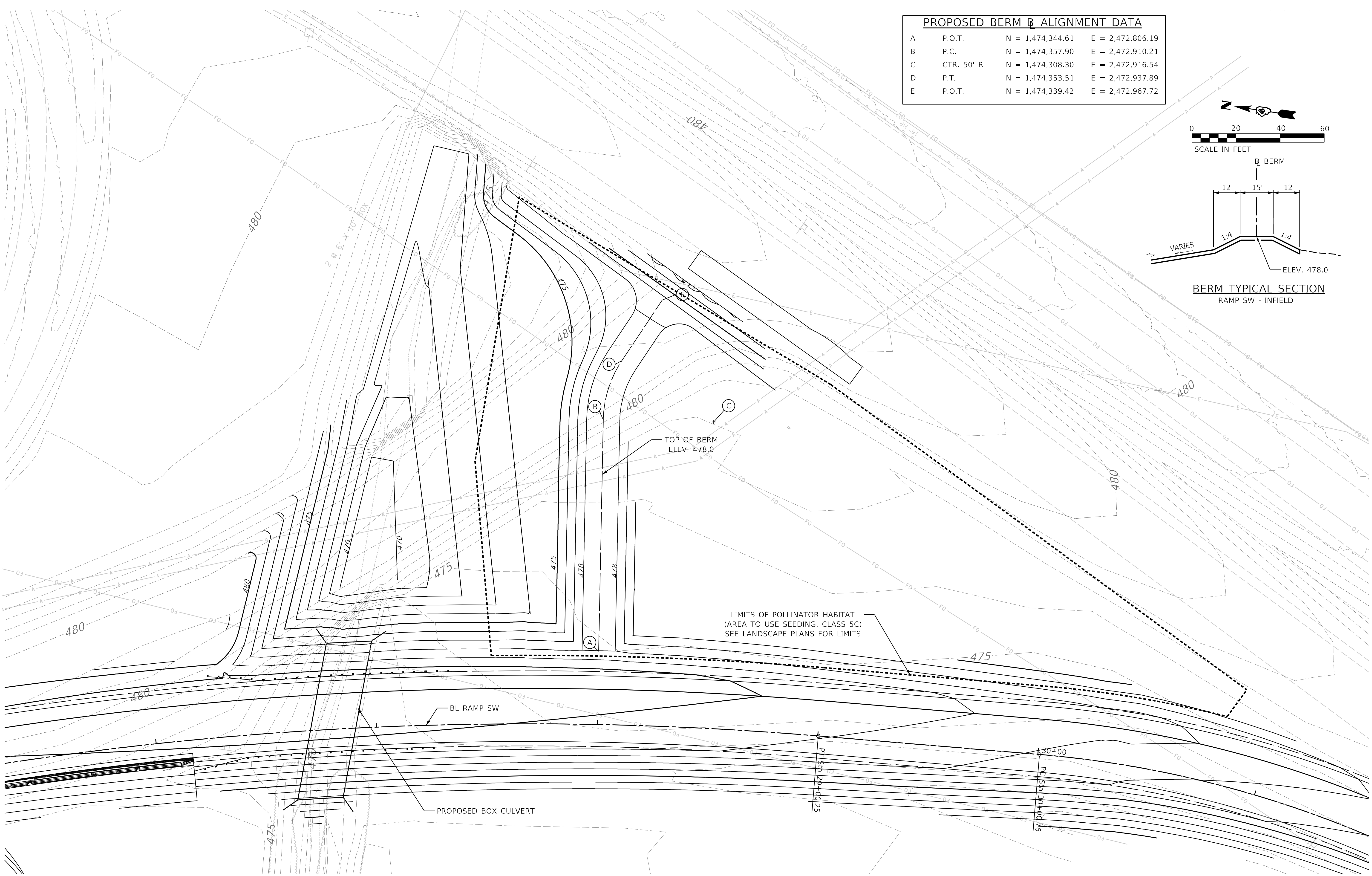
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
GRADING PLANS

SCALE: 1"=50' | SHEET 7 OF 7 SHEETS | STA. 186+03.96 TO STA. 208+07.84

GRADPR-07

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	518
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			



BERM TYPICAL SECTION

RAMP SW - INFIELD

PROPOSED BERM ℄ ALIGNMENT DATA

A	P.O.T.	N = 1,474,344.61	E = 2,472,806.19
B	P.C.	N = 1,474,357.90	E = 2,472,910.21
C	CTR. 50' R	N = 1,474,308.30	E = 2,472,916.54
D	P.T.	N = 1,474,353.51	E = 2,472,937.89
E	P.O.T.	N = 1,474,339.42	E = 2,472,967.72

FINAL SUBMITTAL

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HANSON

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USER NAME = oster00605	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JEO	REVISED -	
PLOT SCALE = 40.00 ' / in.	CHECKED - JDS	REVISED -	
PLOT DATE = 11/16/2018	DATE - 11/28/2018	REVISED -	

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
RAMP SW - INFIELD GRADING PLAN

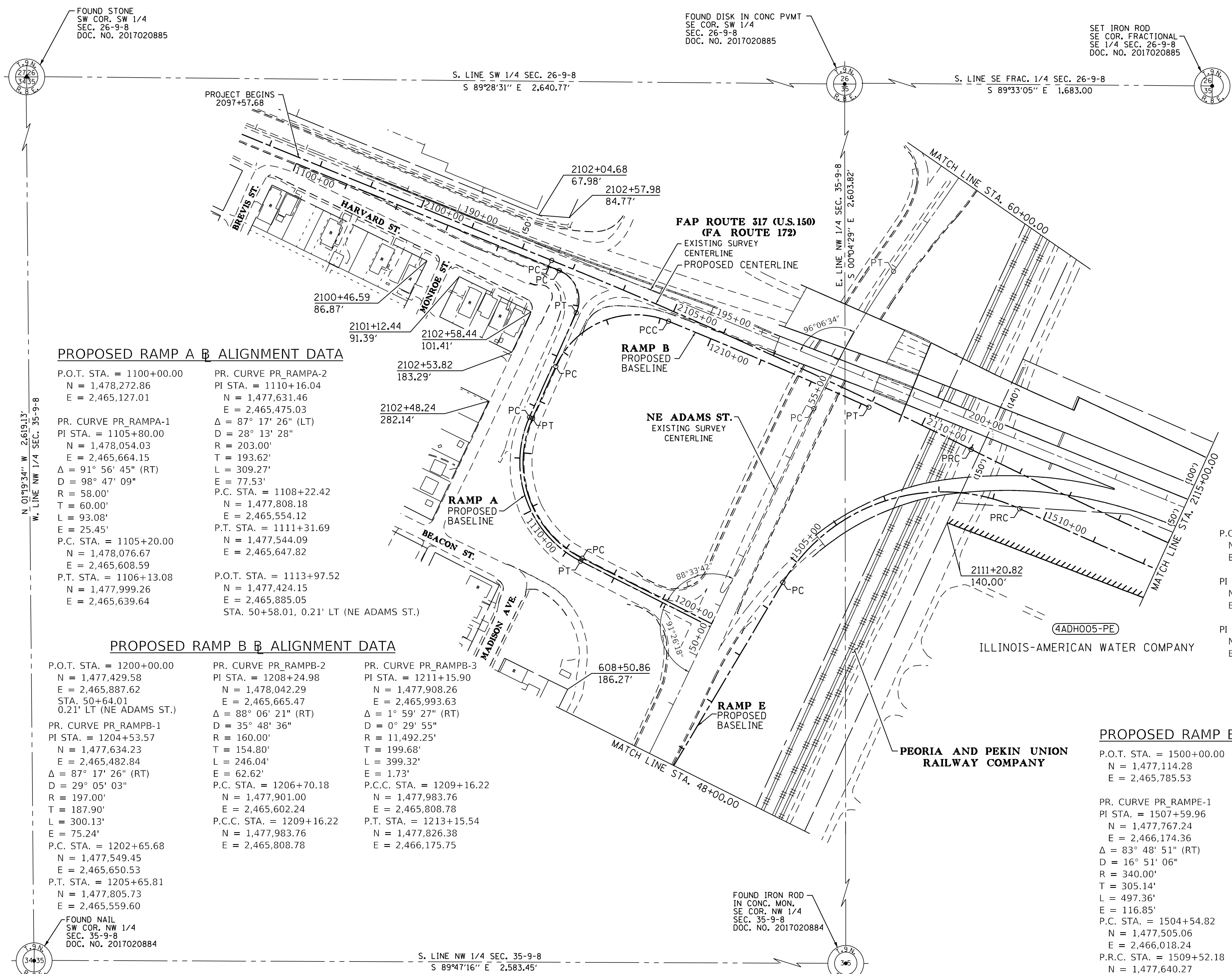
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	519
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)	

T 9 N, R 8 E, 4th PM

BEARINGS AND COORDINATES ARE BASED ON STATE PLANE COORDINATE SYSTEM NAD 1983 (2011), IL WEST.

COORDINATES SHOWN ARE "GROUND" A PROJECT SCALE FACTOR OF 0.999956 MUST BE USED TO DETERMINE "GRID" COORDINATES.



LEGEND

(123.45') RECORD ROW DIMENSION
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING R.O.W. LINE
PROPOSED R.O.W. LINE
PROPOSED R.O.W. AND ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
PROPOSED PERMANENT EASEMENT LINE
QUARTER SECTION LINE
PROPERTY LINE (DEED LINE)

EXISTING ℄ FAP RTE. 317 ALIGNMENT DATA

(EASTBOUND-PEORIA COUNTY)

P.O.T. STA. = 179+04.50
N = 1,478,598.21
E = 2,464,407.93

P.O.T. STA. = 197+47.65
= STA. 55+88.98 (IL. RTE 129)
N = 1,477,902.78
E = 2,466,114.85

P.O.T. STA. = 222+00.00
N = 1,476,977.49
E = 2,468,385.94

EXISTING NE ADAMS ST. (IL. RTE. 29) ℄ ALIGNMENT DATA

P.O.T. STA. = 40+00.00
N = 1,476,472.82
E = 2,465,422.10

P.I. STA. 56+46.25
N = 1,477,955.52
E = 2,466,137.40
Δ = 9° 30' 28" (RT)
D = 3° 15' 58"
R = 1,754.22'
T = 145.88'
L = 291.10
E = 6.06'
P.C. STA. 55+00.37
N = 1,477,823.72
E = 2,466,074.86
P.T. STA. 57+91.47
N = 1,478,075.18
E = 2,466,220.84

P.O.T. STA. 64+01.16
N = 1,478,575.28
E = 2,466,569.59

PROPOSED RAMP A ℄ ALIGNMENT DATA

P.O.T. STA. = 1100+00.00
N = 1,478,272.86
E = 2,465,127.01

PR. CURVE PR_RAMPA-1
PI STA. = 1105+80.00
N = 1,478,054.03
E = 2,465,664.15
Δ = 91° 56' 45" (RT)
D = 98° 47' 09"
R = 58.00'
T = 60.00'
L = 93.08'
E = 25.45'
P.C. STA. = 1105+20.00
N = 1,478,076.67
E = 2,465,608.59
P.T. STA. = 1106+13.08
N = 1,477,999.26
E = 2,465,639.64

PR. CURVE PR_RAMPA-2
PI STA. = 1110+16.04
N = 1,477,631.46
E = 2,465,475.03
Δ = 87° 17' 26" (LT)
D = 28° 13' 28"
R = 203.00'
T = 193.62'
L = 309.27'
E = 77.53'
P.C. STA. = 1108+22.42
N = 1,477,808.18
E = 2,465,554.12
P.T. STA. = 1111+31.69
N = 1,477,544.09
E = 2,465,647.82

P.O.T. STA. = 1113+97.52
N = 1,477,424.15
E = 2,465,885.05
STA. 50+58.01, 0.21' LT (NE ADAMS ST.)

PROPOSED RAMP B ℄ ALIGNMENT DATA

P.O.T. STA. = 1200+00.00
N = 1,477,429.58
E = 2,465,887.62
STA. 50+64.01
0.21' LT (NE ADAMS ST.)

PR. CURVE PR_RAMPB-1
PI STA. = 1204+53.57
N = 1,477,634.23
E = 2,465,482.84
Δ = 87° 17' 26" (RT)
D = 29° 05' 03"
R = 197.00'
T = 187.90'
L = 300.13'
E = 75.24'
P.C. STA. = 1202+65.68
N = 1,477,549.45
E = 2,465,650.53
P.T. STA. = 1205+65.81
N = 1,477,805.73
E = 2,465,559.60

PR. CURVE PR_RAMPB-2
PI STA. = 1208+24.98
N = 1,478,042.29
E = 2,465,665.47
Δ = 88° 06' 21" (RT)
D = 35° 48' 36"
R = 160.00'
T = 154.80'
L = 246.04'
E = 62.62'
P.C. STA. = 1206+70.18
N = 1,477,901.00
E = 2,465,602.24
P.C.C. STA. = 1209+16.22
N = 1,477,983.76
E = 2,465,808.78

PR. CURVE PR_RAMPB-3
PI STA. = 1211+15.90
N = 1,477,908.26
E = 2,465,993.63
Δ = 1° 59' 27" (RT)
D = 0° 29' 55"
R = 11,492.25'
T = 199.68'
L = 399.32'
E = 1.73'
P.C.C. STA. = 1209+16.22
N = 1,477,983.76
E = 2,465,808.78
P.T. STA. = 1213+15.54
N = 1,477,826.38
E = 2,466,175.75

PROPOSED EB US 150 ℄ ALIGNMENT DATA

P.O.T. STA. = 2090+00.00
N = 1,478,574.44
E = 2,464,431.79

PI STA. = 2091+10.51
N = 1,478,532.75
E = 2,464,534.14

PI STA. = 2093+60.56
N = 1,478,433.80
E = 2,464,763.77

PR. CURVE PR_US150EB-1
PI STA. = 2106+79.54
N = 1,477,936.17
E = 2,465,985.27
Δ = 4° 11' 58" (RT)
D = 0° 29' 54"
R = 11,500.00'
T = 421.63'
L = 842.88'
E = 7.73'
P.C. STA. = 2102+57.91
N = 1,478,095.24
E = 2,465,594.80
P.R.C. STA. = 2111+00.79
N = 1,477,748.93
E = 2,466,363.04

PR. CURVE PR_US150EB-2
PI STA. = 2115+22.41
N = 1,477,561.69
E = 2,466,740.81
Δ = 4° 11' 58" (LT)
D = 0° 29' 54"
R = 11,500.00'
T = 421.63'
L = 842.88'
E = 7.73'
P.R.C. STA. = 2111+00.79
N = 1,477,748.93
E = 2,466,363.04
P.T. STA. = 2119+43.66
N = 1,477,402.62
E = 2,467,131.28

CONTINUES - SEE SHEET 2

PROPOSED RAMP E ℄ ALIGNMENT DATA

P.O.T. STA. = 1500+00.00
N = 1,477,114.28
E = 2,465,785.53

PR. CURVE PR_RAMPE-1
PI STA. = 1507+59.96
N = 1,477,767.24
E = 2,466,174.36
Δ = 83° 48' 51" (RT)
D = 16° 51' 06"
R = 340.00'
T = 305.14'
L = 497.36'
E = 116.85'
P.C. STA. = 1504+54.82
N = 1,477,505.06
E = 2,466,018.24
P.R.C. STA. = 1509+52.18
N = 1,477,640.27
E = 2,466,451.83

PR. CURVE PR_RAMPE-2
PI STA. = 1513+12.14
N = 1,477,490.50
E = 2,466,779.15
Δ = 3° 34' 03" (LT)
D = 0° 29' 44"
R = 11,558.72'
T = 359.96'
L = 719.68'
E = 5.60'
P.R.C. STA. = 1509+52.18
N = 1,477,640.27
E = 2,466,451.83
P.T. STA. = 1516+71.87
N = 1,477,361.39
E = 2,467,115.15

P.O.T. STA. = 1526+85.25
N = 1,476,997.90
E = 2,468,061.11

ROW-01

FINAL SUBMITTAL

MODEL: Default
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AMERICAN SURVEYING & ENGINEERING, P.C.

USER NAME = sladeke	DESIGNED - EJS	REVISED -
	DRAWN - EJS	REVISED -
PLOT SCALE = 200.00 ' / in.	CHECKED - PCF	REVISED -
PLOT DATE = 1/25/2019	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
RIGHT OF WAY PLANS

SCALE: 1"=100' | SHEET 1 OF 5 SHEETS | STA. 2097+57.68 TO STA. 2115+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA	1361	520
	R-94-003-16	CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)		

T 9 N, R 8 E, 4th PM

EXISTING NE ADAMS ST. (IL RTE. 29) ℄ ALIGNMENT DATA

P.O.T. STA. = 40+00.00
N = 1,476,472.82
E = 2,465,422.10

P.I. STA. 56+46.25
N = 1,477,955.52
E = 2,466,137.40
Δ = 9° 30' 28" (RT)
D = 3° 15' 58"
R = 1,754.22'
T = 145.88'
L = 291.10'
E = 6.06'
P.C. STA. 55+00.37
N = 1,477,823.72
E = 2,466,074.86
P.T. STA. 57+91.47
N = 1,478,075.18
E = 2,466,220.84

P.O.T. STA. 64+01.16
N = 1,478,575.28
E = 2,466,569.59

EXISTING ℄ FAP RTE. 317 ALIGNMENT DATA

(EASTBOUND-PEORIA COUNTY)

P.O.T. STA. = 179+04.50
N = 1,478,598.21
E = 2,464,407.93

P.O.T. STA. = 222+00.00
N = 1,476,977.49
E = 2,468,385.94

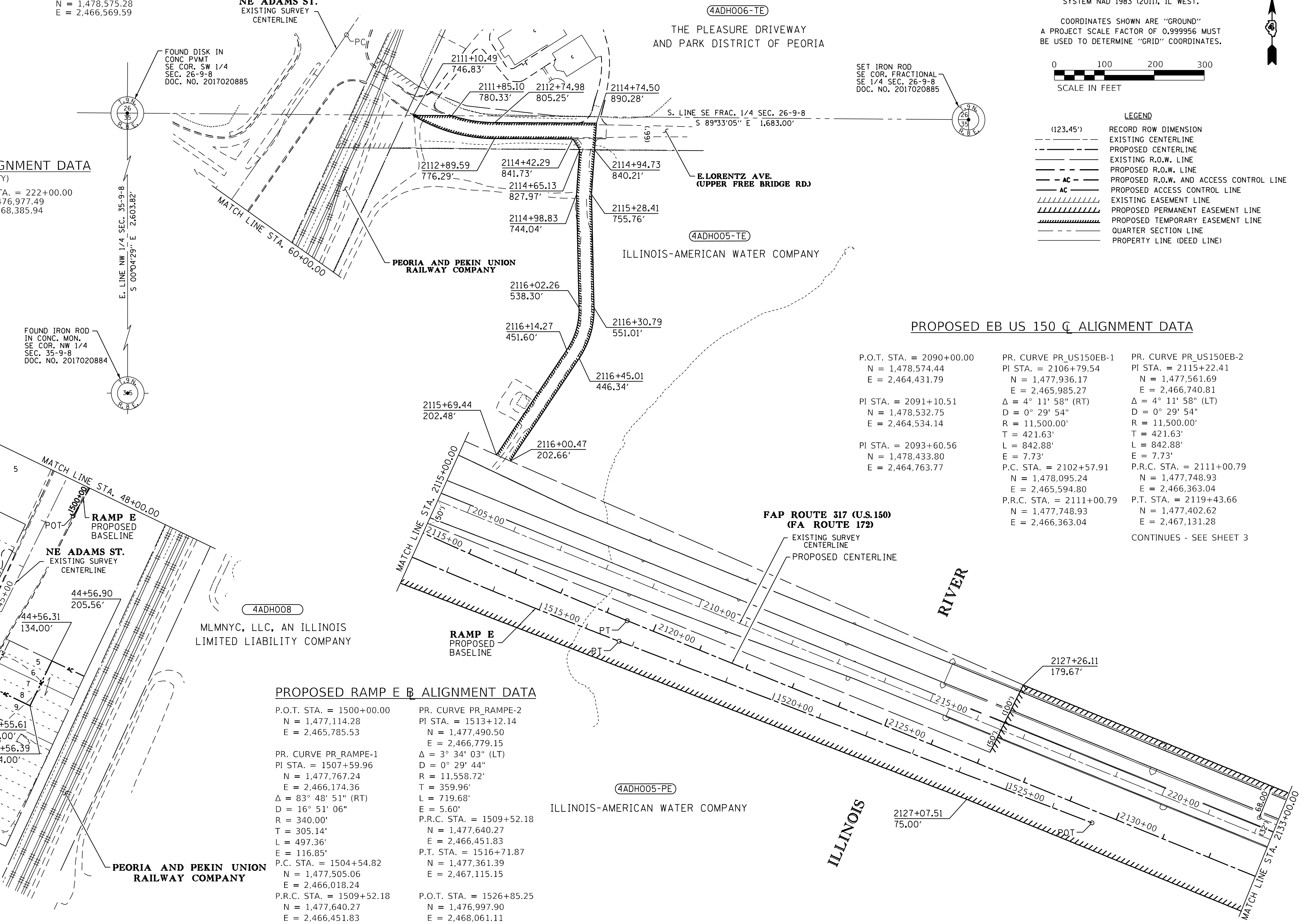
BEARINGS AND COORDINATES ARE BASED ON STATE PLANE COORDINATE SYSTEM NAD 1983 (2011), IL WEST.

COORDINATES SHOWN ARE "GROUND" A PROJECT SCALE FACTOR OF 0.999956 MUST BE USED TO DETERMINE "GRID" COORDINATES.

SCALE IN FEET: 0 100 200 300

LEGEND

(123.45')	RECORD ROW DIMENSION
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING R.O.W. LINE
	PROPOSED R.O.W. LINE
AC	PROPOSED R.O.W. AND ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
	EXISTING EASEMENT LINE
	PROPOSED PERMANENT EASEMENT LINE
	PROPOSED TEMPORARY EASEMENT LINE
	QUARTER SECTION LINE
	PROPERTY LINE (DEED LINE)



PROPOSED EB US 150 ℄ ALIGNMENT DATA

P.O.T. STA. = 2090+00.00
N = 1,478,574.44
E = 2,464,431.79

PI STA. = 2091+10.51
N = 1,478,532.75
E = 2,464,534.14

PI STA. = 2093+60.56
N = 1,478,433.80
E = 2,464,763.77

PR. CURVE PR_US150EB-1
PI STA. = 2106+79.54
N = 1,477,936.17
E = 2,465,985.27
Δ = 4° 11' 58" (RT)
D = 0° 29' 54"
R = 11,500.00'
T = 421.63'
L = 842.88'
E = 7.73'
P.C. STA. = 2102+57.91
N = 1,478,095.24
E = 2,465,594.80
P.R.C. STA. = 2111+00.79
N = 1,477,748.93
E = 2,466,363.04

PR. CURVE PR_US150EB-2
PI STA. = 2115+22.41
N = 1,477,561.69
E = 2,466,740.81
Δ = 4° 11' 58" (LT)
D = 0° 29' 54"
R = 11,500.00'
T = 421.63'
L = 842.88'
E = 7.73'
P.R.C. STA. = 2111+00.79
N = 1,477,748.93
E = 2,466,363.04
P.T. STA. = 2119+43.66
N = 1,477,402.62
E = 2,467,131.28

CONTINUES - SEE SHEET 3

PROPOSED RAMP E Ɓ ALIGNMENT DATA

P.O.T. STA. = 1500+00.00
N = 1,477,114.28
E = 2,465,785.53

PR. CURVE PR_RAMPE-1
PI STA. = 1507+59.96
N = 1,477,767.24
E = 2,466,174.36
Δ = 83° 48' 51" (RT)
D = 16° 51' 06"
R = 340.00'
T = 305.14'
L = 497.36'
E = 116.85'
P.C. STA. = 1504+54.82
N = 1,477,505.06
E = 2,466,018.24
P.R.C. STA. = 1509+52.18
N = 1,477,640.27
E = 2,466,451.83

PR. CURVE PR_RAMPE-2
PI STA. = 1513+12.14
N = 1,477,490.50
E = 2,466,779.15
Δ = 3° 34' 03" (LT)
D = 0° 29' 44"
R = 11,558.72'
T = 359.96'
L = 719.68'
E = 5.60'
P.R.C. STA. = 1509+52.18
N = 1,477,640.27
E = 2,466,451.83
P.T. STA. = 1516+71.87
N = 1,477,361.39
E = 2,467,115.15

P.O.T. STA. = 1526+85.25
N = 1,476,997.90
E = 2,468,061.11

ROW-02

T 26 N, R 4 W, 3rd PM

BEARINGS AND COORDINATES ARE BASED ON STATE PLANE COORDINATE SYSTEM NAD 1983 (2011), IL WEST.

COORDINATES SHOWN ARE "GROUND" A PROJECT SCALE FACTOR OF 0.999956 MUST BE USED TO DETERMINE "GRID" COORDINATES.

N

0 100 200 300

SCALE IN FEET

LEGEND

(123.45')	RECORD ROW DIMENSION
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
A/C	EXISTING R.O.W. AND ACCESS CONTROL LINE
	PROPOSED R.O.W. LINE
AC	PROPOSED R.O.W. AND ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
	PROPOSED PERMANENT EASEMENT LINE
	PROPOSED TEMPORARY EASEMENT LINE
	QUARTER SECTION LINE
	PROPERTY LINE (DEED LINE)

NOTE: STATION & OFFSET ARE BASED ON THE PROPOSED CENTERLINE OF THE EASTBOUND REPLACEMENT BRIDGE STRUCTURE.

4ADH001

DEPARTMENT OF NATURAL RESOURCES

RIVER

ILLINOIS

FAP ROUTE 317 (U.S.150)
(FA ROUTE 172)

EXISTING SURVEY CENTERLINE

PROPOSED CENTERLINE

2133+36.89
251.65'

2133+58.20
179.65'

MATCH LINE STA. 2133+00.00

(132')

158.00'

140.00'

225+00

2135+00

190.00'

230+00

2134+33.58
75.00'

2134+34.57
78.35'

2134+49.37
128.35'

2140+00

2145+69.89
251.62'

235+00

(140')

A/C

108.00'

2145+00

(82')

PC

2150+00

THREAD OF ILLINOIS RIVER PER ARMY CORPS OF ENGINEERS HYDROGRAPHIC SURVEY DATED JUNE 14, 2011

PEORIA COUNTY

TAZEWELL COUNTY

FOUND IRON ROD
NW COR. SW 1/4
SEC. 11-26-4
DOC. NO. 201600011159

N 00°35'48" W 2,664.16'
W. LINE SW 1/4 SEC. 11-26-4

2158+66.26
211.38'

S 89°12'26" W 2,637.20'
N. LINE NW 1/4 SEC. 14-26-4

245+00

2155+00

170.00'

190.00'

NW COR. NW 1/4
SEC. 14-26-4
DOC. NO. 201600006512

2152+12.45
82.79'

2152+31.71
133.36'

PRC

250+00

2160+00

2156+23.60
81.60'

2156+20.47
131.50'

N 00°29'09" W 2,581.81'
W. LINE NW 1/4 SEC. 14-26-4

(140')

MATCH LINE STA. 2164+75.00

(132')

2164+52.48
94.61'

4ADH002-TE

FON DU LAC PARK DISTRICT,
AN ILLINOIS MUNICIPAL CORPORATION

4ADH002

FON DU LAC PARK DISTRICT,
AN ILLINOIS MUNICIPAL CORPORATION

SW COR. NW 1/4
SEC. 14-26-4
DOC. NO. 201600009819

EXISTING ℄ FAP RTE. 317 ALIGNMENT DATA

(WESTBOUND-TAZEWELL COUNTY)

P.O.T. STA. = 222+00.00
N = 1,477,008.15
E = 2,468,395.50

P.C. STA. = 263+27.79
N = 1,475,450.71
E = 2,472,218.19

4ADH001-TE

DEPARTMENT OF NATURAL RESOURCES

PROPOSED EB US 150 ℄ ALIGNMENT DATA

PR. CURVE PR_US150EB-2
PI STA. = 2115+22.41
N = 1,477,561.69
E = 2,466,740.81
Δ = 4° 11' 58" (LT)
D = 0° 29' 54"
R = 11,500.00'
T = 421.63'
L = 842.88'
E = 7.73'
P.R.C. STA. = 2111+00.79
N = 1,477,748.93
E = 2,466,363.04
P.T. STA. = 2119+43.66
N = 1,477,402.62
E = 2,467,131.28

PR. CURVE PR_US150EB-3
PI STA. = 2153+74.88
N = 1,476,108.07
E = 2,470,308.92
Δ = 4° 46' 22" (LT)
D = 0° 29' 54"
R = 11,500.00'
T = 479.25'
L = 957.94'
E = 9.98'
P.C. STA. = 2148+95.63
N = 1,476,288.88
E = 2,469,865.09
P.R.C. STA. = 2158+53.58
N = 1,475,964.81
E = 2,470,766.26

PR. CURVE PR_US150EB-4
PI STA. = 2163+32.83
N = 1,475,821.55
E = 2,471,223.60
Δ = 4° 46' 22" (RT)
D = 0° 29' 54"
R = 11,500.00'
T = 479.25'
L = 957.94'
E = 9.98'
P.R.C. STA. = 2158+53.58
N = 1,475,964.81
E = 2,470,766.26
P.T. STA. = 2168+11.52
N = 1,475,640.74
E = 2,471,667.43

CONTINUES - SEE SHEET 4

ROW-03

FINAL SUBMITTAL

MODEL: Default
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AMERICAN SURVEYING & ENGINEERING, P.C.

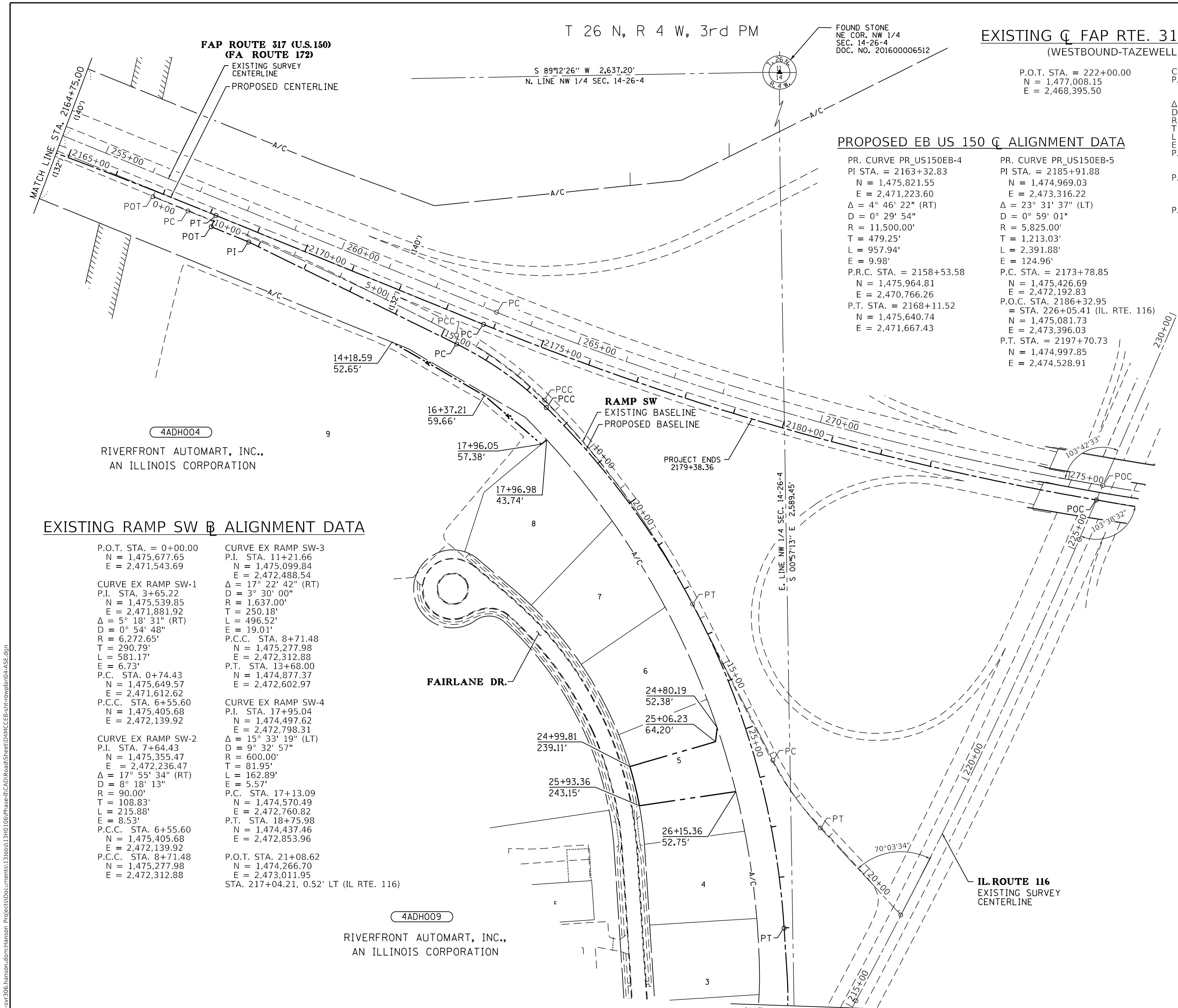
USER NAME = sladeke	DESIGNED - EJS	REVISED -	
	DRAWN - EJS	REVISED -	
PLOT SCALE = 200.00 ' / in.	CHECKED - PCF	REVISED -	
PLOT DATE = 1/25/2019	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
RIGHT OF WAY PLANS

SCALE: 1"=100' | SHEET 3 OF 5 SHEETS | STA. 2133+00.00 TO STA. 2164+75.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:[(102-1),(14HB)]BR)BR	TAZEWELL	1361	522
	R-94-003-16	CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			



EXISTING ℄ FAP RTE. 317 ALIGNMENT DATA
(WESTBOUND-TAZEWELL COUNTY)

P.O.T. STA. = 222+00.00
N = 1,477,008.15
E = 2,468,395.50

CURVE CLRW-150
P.I. STA. 275+21.18
N = 1,475,000.43
E = 2,473,323.38
Δ = 23° 31' 53" (LT)
D = 1° 00' 00"
R = 5,729.58'
T = 1,193.40'
L = 2,353.15'
E = 122.96'
P.C. STA. 263+27.79
N = 1,475,450.71
E = 2,472,218.19
P.O.C. STA. 275+68.16
= STA. 226+36.46 (IL. RTE. 116)
N = 1,475,110.20
E = 2,473,408.40
P.T. STA. 286+80.93
N = 1,475,028.85
E = 2,474,516.44

BEARINGS AND COORDINATES ARE BASED ON STATE PLANE COORDINATE SYSTEM NAD 1983 (2011), IL WEST.

COORDINATES SHOWN ARE "GROUND" A PROJECT SCALE FACTOR OF 0.999956 MUST BE USED TO DETERMINE "GRID" COORDINATES.

0 100 200 300
SCALE IN FEET

LEGEND

(123.45')	RECORD ROW DIMENSION
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
A/C	EXISTING R.O.W. AND ACCESS CONTROL LINE
	PROPOSED R.O.W. LINE
AC	PROPOSED R.O.W. AND ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
	EXISTING EASEMENT LINE
	QUARTER SECTION LINE
	PROPERTY LINE (DEED LINE)

PROPOSED EB US 150 ℄ ALIGNMENT DATA

PR. CURVE PR_US150EB-4
PI STA. = 2163+32.83
N = 1,475,821.55
E = 2,471,223.60
Δ = 4° 46' 22" (RT)
D = 0° 29' 54"
R = 11,500.00'
T = 479.25'
L = 957.94'
E = 9.98'
P.R.C. STA. = 2158+53.58
N = 1,475,964.81
E = 2,470,766.26
P.T. STA. = 2168+11.52
N = 1,475,640.74
E = 2,471,667.43

PR. CURVE PR_US150EB-5
PI STA. = 2185+91.88
N = 1,474,969.03
E = 2,473,316.22
Δ = 23° 31' 37" (LT)
D = 0° 59' 01"
R = 5,825.00'
T = 1,213.03'
L = 2,391.88'
E = 124.96'
P.C. STA. = 2173+78.85
N = 1,475,426.69
E = 2,472,192.83
P.O.C. STA. 2186+32.95
= STA. 226+05.41 (IL. RTE. 116)
N = 1,475,081.73
E = 2,473,396.03
P.T. STA. = 2197+70.73
N = 1,474,997.85
E = 2,474,528.91

EXISTING ℄ IL. ROUTE 116 ℄ ALIGNMENT DATA

P.O.T. STA = 200+00.00
N = 1,472,730.10
E = 2,472,276.76

CURVE IL RTE 116 A
P.I. STA. = 209+19.96
N = 1,473,573.93
E = 2,472,643.186
Δ = 4° 42' 00" (RT)
D = 0° 28' 00"
R = 12,277.70'
T = 503.85'
L = 1,007.13'
E = 10.33'
P.C. STA. 204+16.11
N = 1,473,111.78
E = 2,472,442.50
P.T. STA. 214+23.24
N = 1,474,018.09
E = 2,472,881.06

CURVE IL RTE 116 B
P.I. STA. 220+17.62
N = 1,474,542.05
E = 2,473,161.68
Δ = 4° 42' 00" (LT)
D = 0° 28' 00"
R = 12,277.70'
T = 503.85'
L = 1,007.13'
E = 10.33'
P.C. STA. 215+13.77
N = 1,474,097.89
E = 2,472,923.81
P.T. STA. 225+20.90
N = 1,475,004.21
E = 2,473,362.37

P.O.T. STA = 230+00.00
N = 1,475,443.66
E = 2,473,553.20

EXISTING RAMP SW ℞ ALIGNMENT DATA

P.O.T. STA. = 0+00.00
N = 1,475,677.65
E = 2,471,543.69

CURVE EX RAMP SW-1
P.I. STA. 3+65.22
N = 1,475,539.85
E = 2,471,881.92
Δ = 5° 18' 31" (RT)
D = 0° 54' 48"
R = 6,272.65'
T = 290.79'
L = 581.17'
E = 6.73'
P.C. STA. 0+74.43
N = 1,475,649.57
E = 2,471,612.62
P.C.C. STA. 6+55.60
N = 1,475,405.68
E = 2,472,139.92

CURVE EX RAMP SW-2
P.I. STA 7+64.43
N = 1,475,355.47
E = 2,472,236.47
Δ = 17° 55' 34" (RT)
D = 8° 18' 13"
R = 90.00'
T = 108.83'
L = 215.88'
E = 8.53'
P.C.C. STA. 6+55.60
N = 1,475,405.68
E = 2,472,139.92
P.C.C. STA. 8+71.48
N = 1,475,277.98
E = 2,472,312.88

CURVE EX RAMP SW-3
P.I. STA. 11+21.66
N = 1,475,099.84
E = 2,472,488.54
Δ = 17° 22' 42" (RT)
D = 3° 30' 00"
R = 1,637.00'
T = 250.18'
L = 496.52'
E = 19.01'
P.C.C. STA. 8+71.48
N = 1,475,277.98
E = 2,472,312.88
P.T. STA. 13+68.00
N = 1,474,877.37
E = 2,472,602.97

CURVE EX RAMP SW-4
P.I. STA. 17+95.04
N = 1,474,497.62
E = 2,472,798.31
Δ = 15° 33' 19" (LT)
D = 9° 32' 57"
R = 600.00'
T = 81.95'
L = 162.89'
E = 5.57'
P.C. STA. 17+13.09
N = 1,474,570.49
E = 2,472,760.82
P.T. STA. 18+75.98
N = 1,474,437.46
E = 2,472,853.96

P.O.T. STA. 21+08.62
N = 1,474,266.70
E = 2,473,011.95
STA. 217+04.21, 0.52' LT (IL RTE. 116)

PROPOSED RAMP SW ℞ ALIGNMENT DATA

P.O.T. STA. = 10+00.00
N = 1,475,618.51
E = 2,471,658.37

PI STA. = 10+79.35
N = 1,475,588.57
E = 2,471,731.86

PR. CURVE PR_RAMPSW2-1
PI STA. = 16+43.39
N = 1,475,339.85
E = 2,472,238.10
Δ = 18° 22' 57" (RT)
D = 8° 29' 18"
R = 675.00'
T = 109.22'
L = 216.56'
E = 8.78'
P.C. STA. = 15+34.17
N = 1,475,388.01
E = 2,472,140.07
P.C.C. STA. = 17+50.74
N = 1,475,263.23
E = 2,472,315.94

PR. CURVE PR_RAMPSW2-2
PI STA. = 23+52.44
N = 1,474,841.13
E = 2,472,744.75
Δ = 41° 49' 02" (RT)
D = 3° 38' 16"
R = 1,575.00'
T = 601.71'
L = 1,149.51'
E = 111.02'
P.C.C. STA. = 17+50.74
N = 1,475,263.23
E = 2,472,315.94
P.T. STA. = 29+00.25
N = 1,474,240.63
E = 2,472,782.89

CONTINUES - SEE SHEET 5

ROW-04

FINAL SUBMITTAL

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AMERICAN SURVEYING & ENGINEERING, P.C.

USER NAME = sladeke	DESIGNED -	EJS	REVISED -		
	DRAWN -	EJS	REVISED -		
PLOT SCALE = 200.00 ' / in.	CHECKED -	PCF	REVISED -		
PLOT DATE = 11/12/2018	DATE -	11/28/2018	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
RIGHT OF WAY PLANS

SCALE: 1" = 100' | SHEET 4 OF 5 SHEETS | STA. 2164+75.00 TO STA. 2179+38.36

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	TAZEWELL	1361	523
	R-94-003-16	CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

T 26 N, R 4 W, 3rd PM

CONTINUED - FROM SHEET 4

PROPOSED RAMP SW ℄ ALIGNMENT DATA

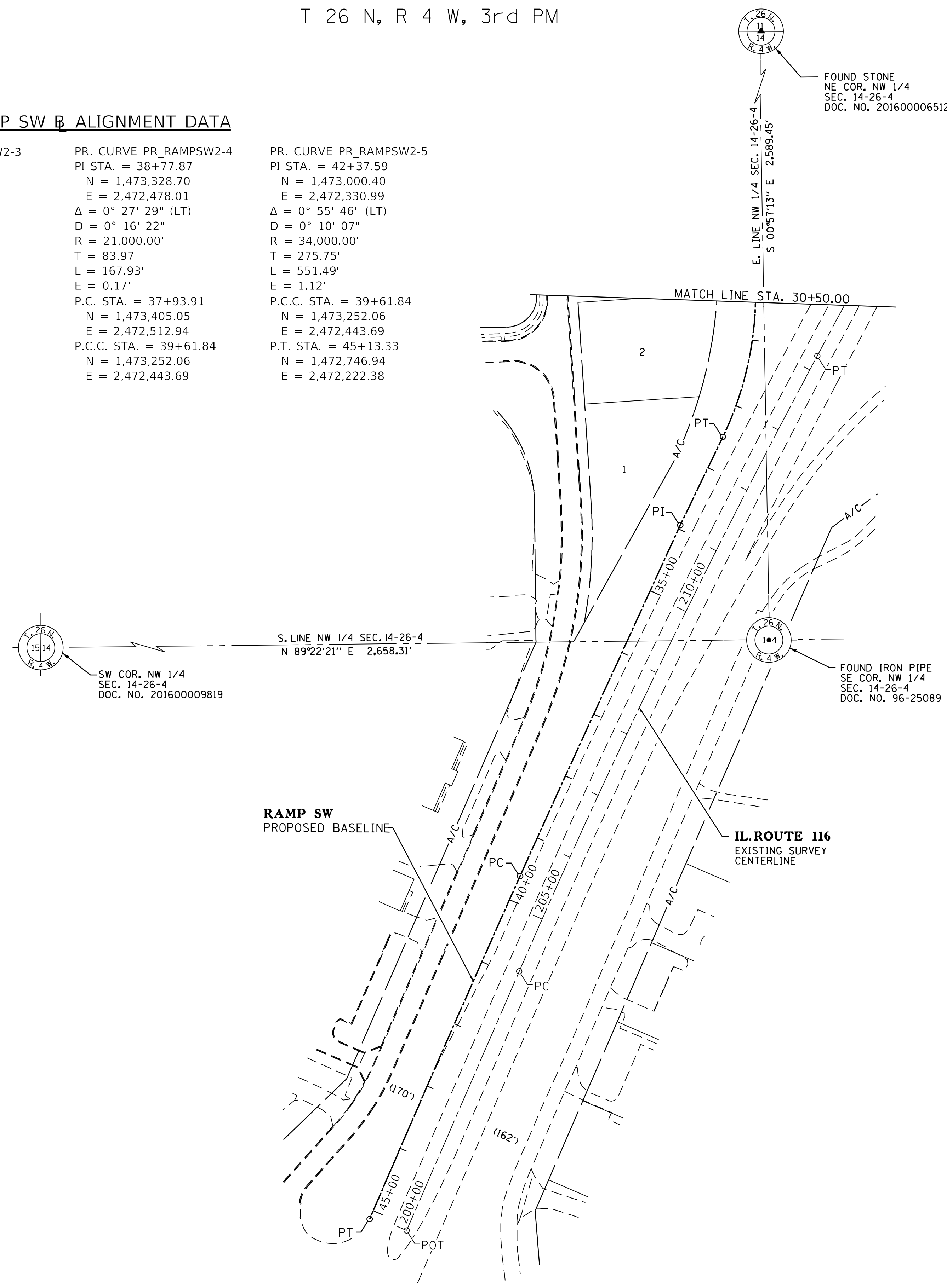
PR. CURVE PR_RAMPSW2-2
PI STA. = 23+52.44
N = 1,474,841.13
E = 2,472,744.75
Δ = 41° 49' 02" (RT)
D = 3° 38' 16"
R = 1,575.00'
T = 601.71'
L = 1,149.51'
E = 111.02'
P.C.C. STA. = 17+50.74
N = 1,475,263.23
E = 2,472,315.94
P.T. STA. = 29+00.25
N = 1,474,240.63
E = 2,472,782.89

PR. CURVE PR_RAMPSW2-3
PI STA. = 31+27.92
N = 1,474,013.42
E = 2,472,797.32
Δ = 29° 22' 58" (RT)
D = 11° 48' 49"
R = 485.00'
T = 127.16'
L = 248.72'
E = 16.39'
P.C. STA. = 30+00.76
N = 1,474,140.32
E = 2,472,789.26
P.T. STA. = 32+49.48
N = 1,473,898.88
E = 2,472,742.08

PI STA. = 33+93.82
N = 1,473,768.87
E = 2,472,679.38

PR. CURVE PR_RAMPSW2-4
PI STA. = 38+77.87
N = 1,473,328.70
E = 2,472,478.01
Δ = 0° 27' 29" (LT)
D = 0° 16' 22"
R = 21,000.00'
T = 83.97'
L = 167.93'
E = 0.17'
P.C. STA. = 37+93.91
N = 1,473,405.05
E = 2,472,512.94
P.C.C. STA. = 39+61.84
N = 1,473,252.06
E = 2,472,443.69

PR. CURVE PR_RAMPSW2-5
PI STA. = 42+37.59
N = 1,473,000.40
E = 2,472,330.99
Δ = 0° 55' 46" (LT)
D = 0° 10' 07"
R = 34,000.00'
T = 275.75'
L = 551.49'
E = 1.12'
P.C.C. STA. = 39+61.84
N = 1,473,252.06
E = 2,472,443.69
P.T. STA. = 45+13.33
N = 1,472,746.94
E = 2,472,222.38



BEARINGS AND COORDINATES ARE BASED ON STATE PLANE COORDINATE SYSTEM NAD 1983 (2011), IL WEST.

COORDINATES SHOWN ARE "GROUND" A PROJECT SCALE FACTOR OF 0.999956 MUST BE USED TO DETERMINE "GRID" COORDINATES.

N

0 100 200 300
SCALE IN FEET

LEGEND

(123.45')	RECORD ROW DIMENSION
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
A/C	EXISTING R.O.W. AND ACCESS CONTROL LINE
	QUARTER SECTION LINE
	PROPERTY LINE (DEED LINE)

EXISTING ℄ IL. ROUTE 116 ℄ ALIGNMENT DATA

P.O.T. STA = 200+00.00
N = 1,472,730.10
E = 2,472,276.76

CURVE IL RTE 116 A
P.I. STA. = 209+19.96
N = 1,473,573.93
E = 2,472,643.186
Δ = 4° 42' 00" (RT)
D = 0° 28' 00"
R = 12,277.70'
T = 503.85'
L = 1,007.13'
E = 10.33'
P.C. STA. 204+16.11
N = 1,473,111.78
E = 2,472,442.50
P.T. STA. 214+23.24
N = 1,474,018.09
E = 2,472,881.06

CURVE IL RTE 116 B
P.I. STA. 220+17.62
N = 1,474,542.05
E = 2,473,161.68
Δ = 4° 42' 00" (LT)
D = 0° 28' 00"
R = 12,277.70'
T = 503.85'
L = 1,007.13'
E = 10.33'
P.C. STA. 215+13.77
N = 1,474,097.89
E = 2,472,923.81
P.T. STA. 225+20.90
N = 1,475,004.21
E = 2,473,362.37

P.O.T. STA = 230+00.00
N = 1,475,443.66
E = 2,473,553.20

ROW-05

FINAL SUBMITTAL

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AMERICAN SURVEYING & ENGINEERING, P.C.

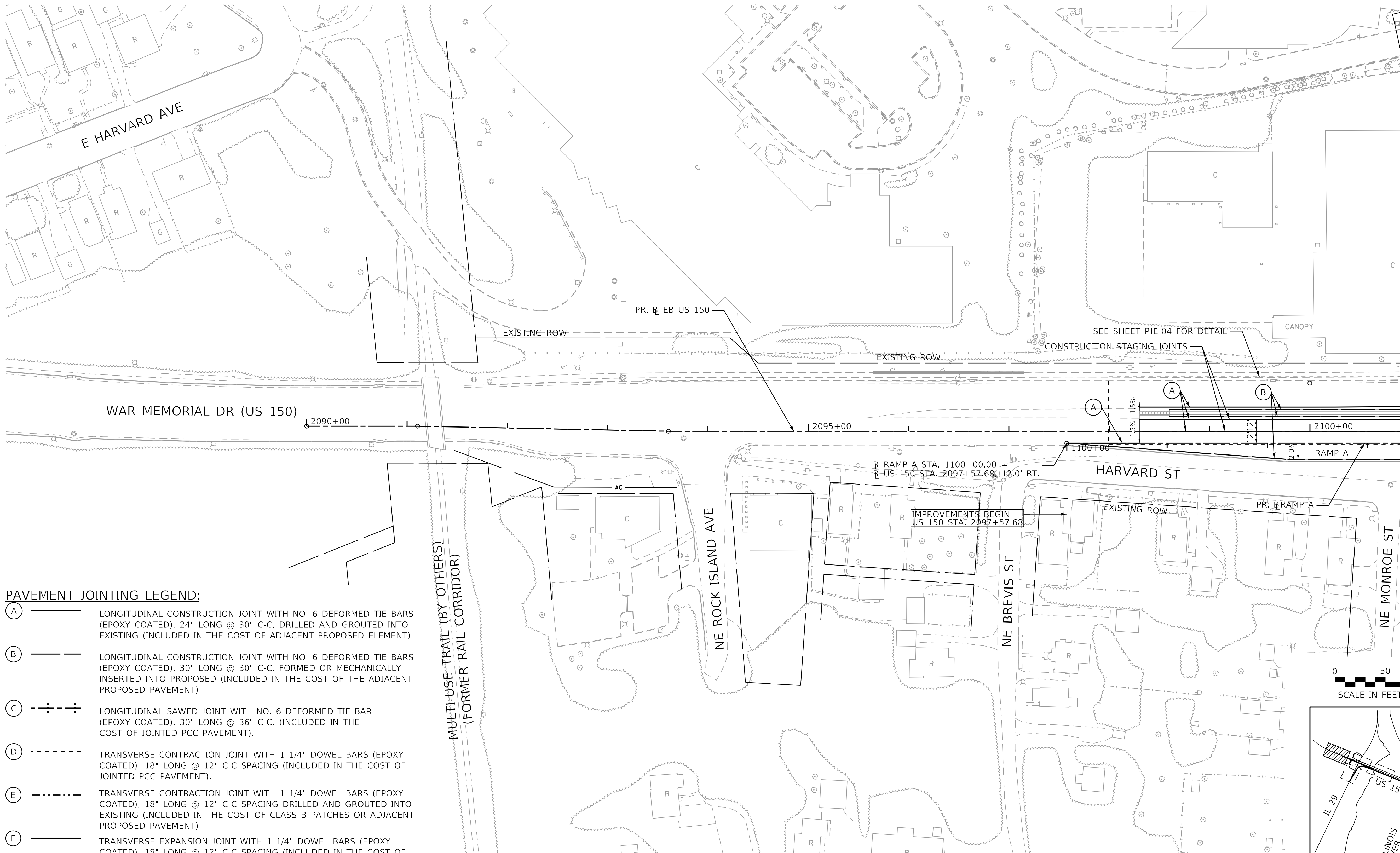
USER NAME = sladeke	DESIGNED -	EJS	REVISED -		
	DRAWN -	EJS	REVISED -		
PLOT SCALE = 200.00 ' / in.	CHECKED -	PCF	REVISED -		
PLOT DATE = 11/12/2018	DATE -	11/28/2018	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
RIGHT OF WAY PLANS

SCALE: 1" = 100' | SHEET 5 OF 5 SHEETS | STA. 2179+38.36 TO STA. 2186+32.95

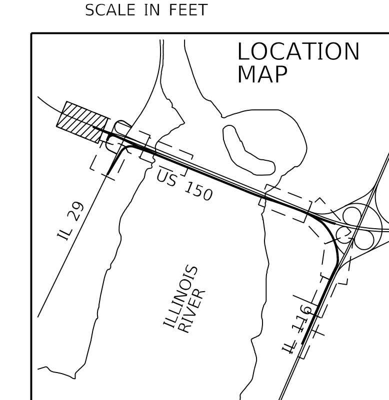
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	524
	R-94-003-16	CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			



PAVEMENT JOINTING LEGEND:

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C. DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).
- (B) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C. FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF THE ADJACENT PROPOSED PAVEMENT)
- (C) LONGITUDINAL SAWED JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED), 30" LONG @ 36" C-C. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (D) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (E) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF CLASS B PATCHES OR ADJACENT PROPOSED PAVEMENT).
- (F) TRANSVERSE EXPANSION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (G) LONGITUDINAL KEYED JOINT

LOCATION MAP



PJE-01

FINAL SUBMITTAL

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TYLIN INTERNATIONAL
200 S. WACKER DR.
SUITE 1400
CHICAGO, IL 60606
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -	
	DRAWN - KRP	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED - DAJ	REVISED -	
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT JOINTING AND ELEVATION PLAN

SCALE: 1"=50' | SHEET 1 OF 4 SHEETS | STA. 2097+57.68 TO STA. 2101+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA	1361	525

CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

PAVEMENT JOINTING LEGEND:

(A) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C. DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).

(B) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C. FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF THE ADJACENT PROPOSED PAVEMENT)

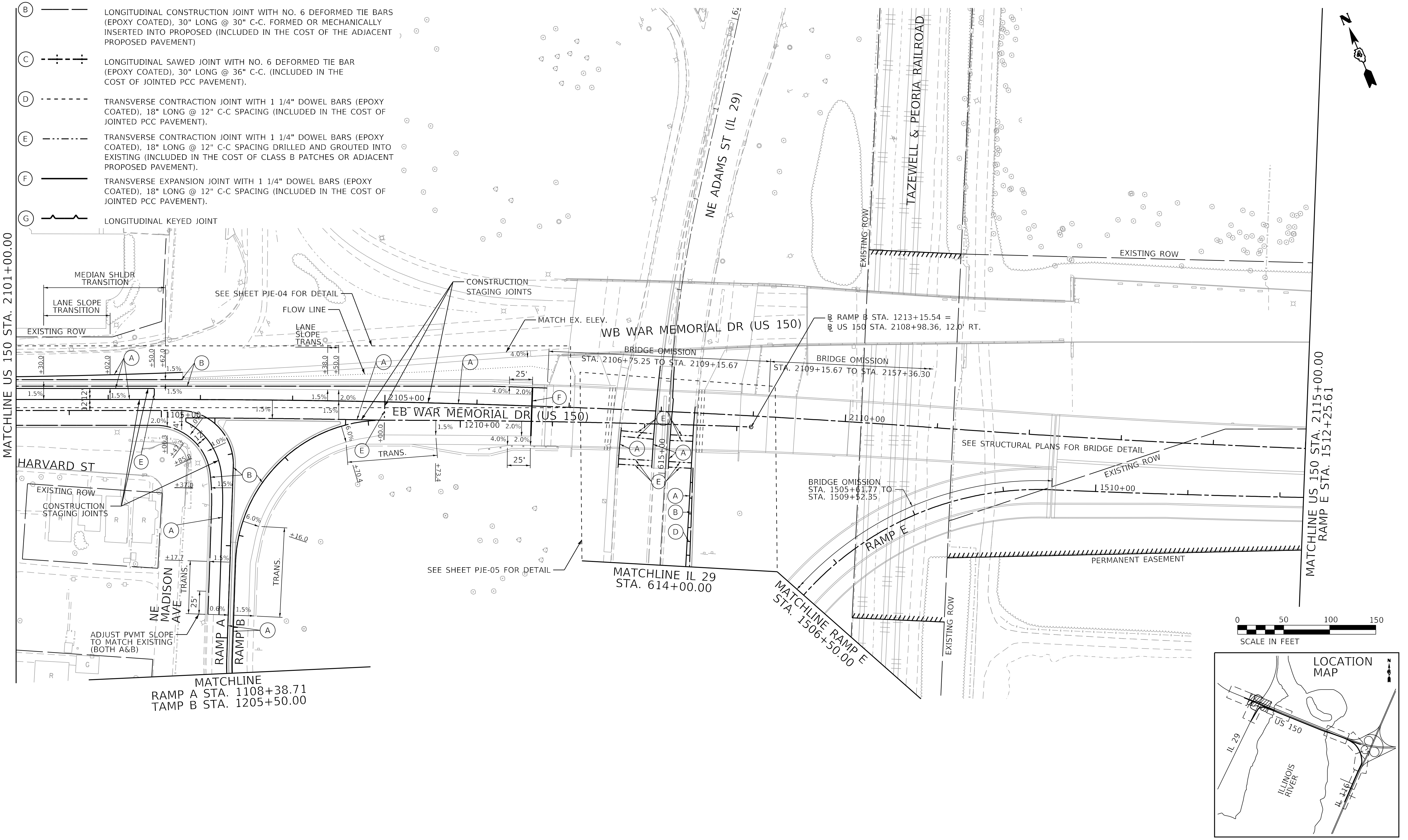
(C) LONGITUDINAL SAWED JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED), 30" LONG @ 36" C-C. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).

(D) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).

(E) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF CLASS B PATCHES OR ADJACENT PROPOSED PAVEMENT).

(F) TRANSVERSE EXPANSION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).

(G) LONGITUDINAL KEYED JOINT



PJE-02

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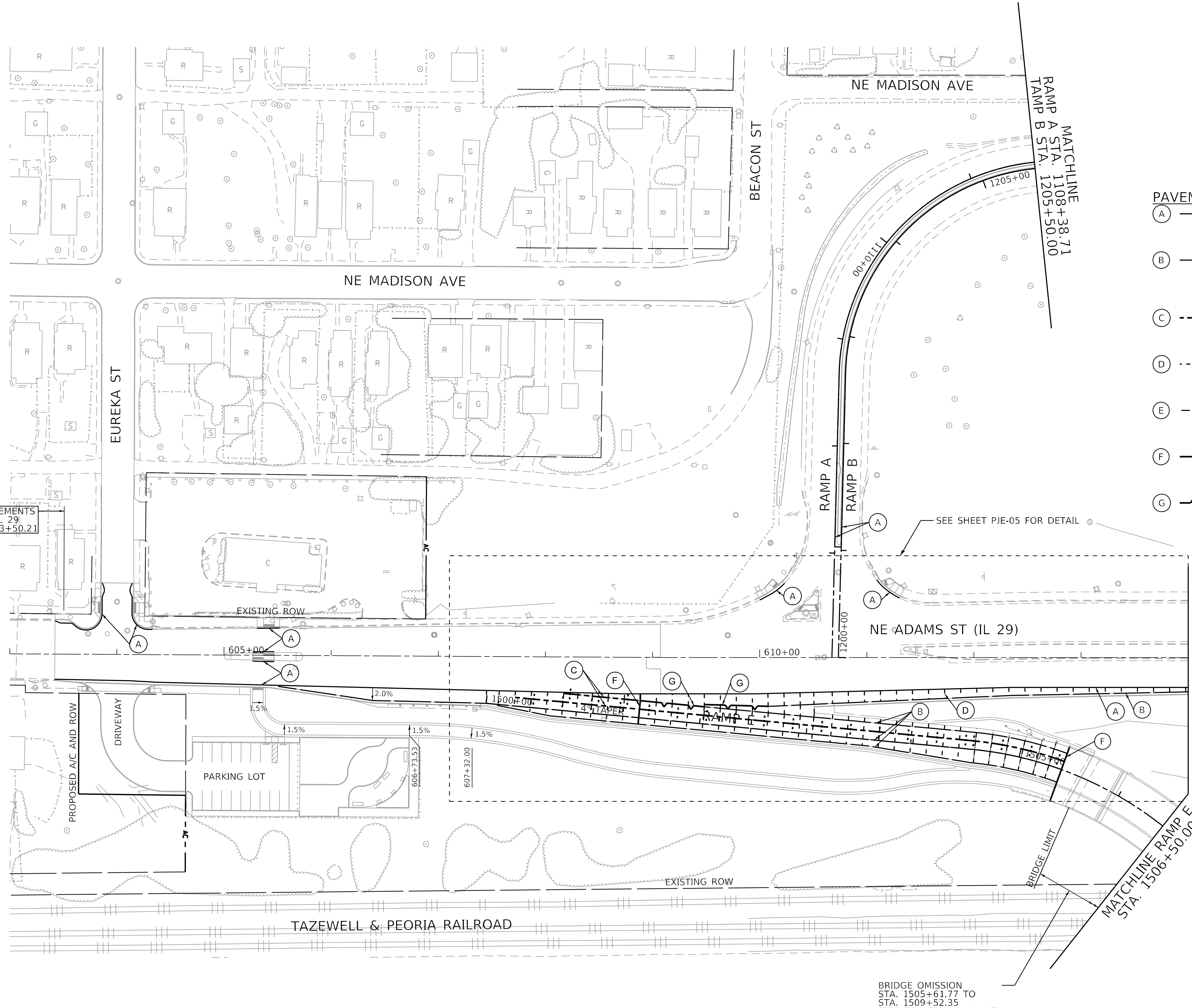
TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgormely	DESIGNED - MPG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - KRP	REVISED -	
	PLOT SCALE = 100.00 ' / in.	CHECKED - DAJ	REVISED -	
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -	

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT JOINTING AND ELEVATION PLAN

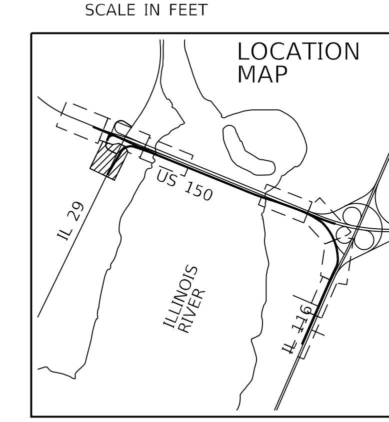
SCALE: 1"=50' | SHEET 2 OF 4 SHEETS | STA. 2101+00 TO STA. 2115+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	526
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT NHPP-YRP3(905)		



PAVEMENT JOINTING LEGEND:

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C. DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).
- (B) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C. FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF THE ADJACENT PROPOSED PAVEMENT)
- (C) LONGITUDINAL SAWED JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED), 30" LONG @ 36" C-C. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (D) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (E) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF CLASS B PATCHES OR ADJACENT PROPOSED PAVEMENT).
- (F) TRANSVERSE EXPANSION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (G) LONGITUDINAL KEYED JOINT



PJE-03

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TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgormely	DESIGNED - MPG	REVISED -
		DRAWN - KRP	REVISED -
	PLOT SCALE = 100.00 ' / in.	CHECKED - DAJ	REVISED -
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

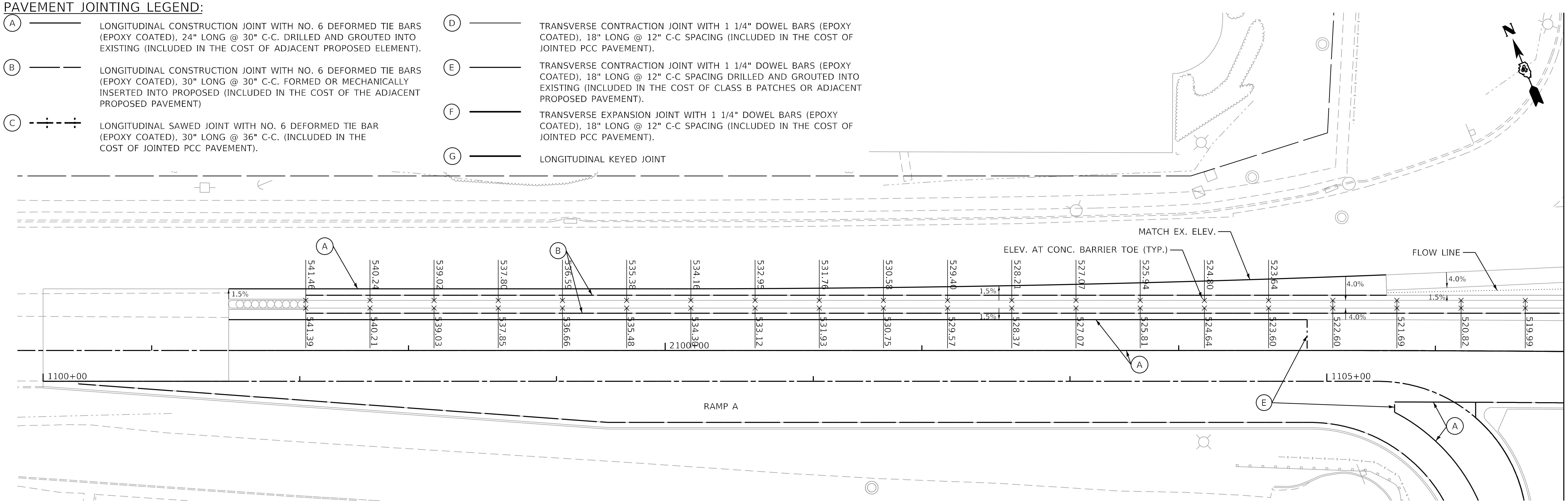
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT JOINTING AND ELEVATION PLAN

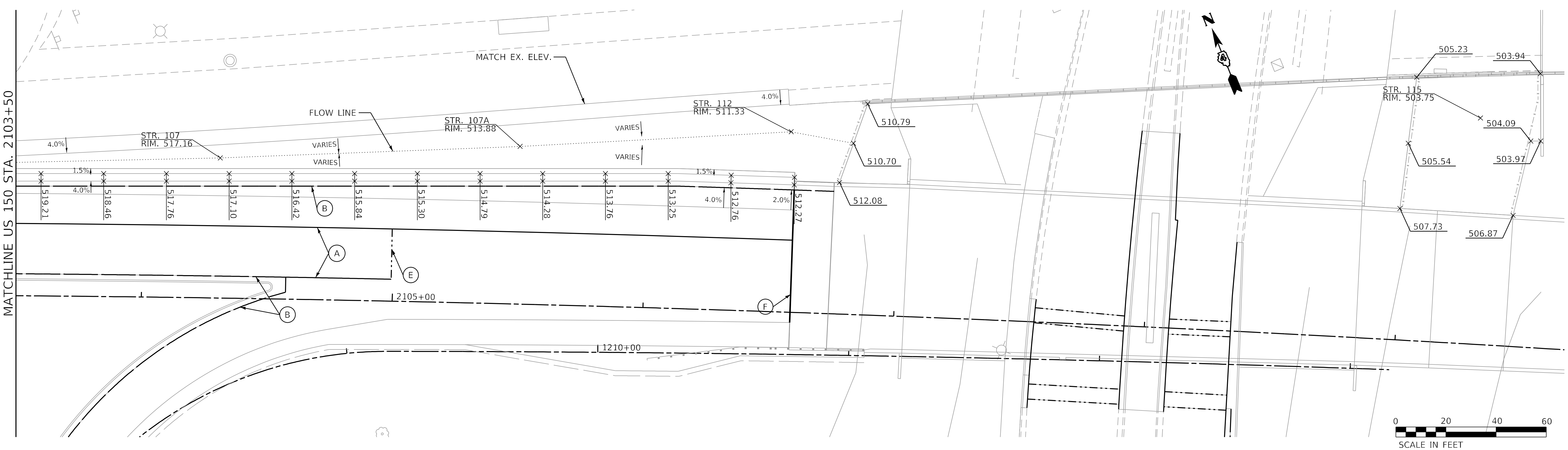
SCALE: 1"=50' | SHEET 3 OF 5 SHEETS | STA. 603+50.10 TO STA. 615+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA	1361	527
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)		

PAVEMENT JOINTING LEGEND:

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C. DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).
- (B) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C. FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF THE ADJACENT PROPOSED PAVEMENT)
- (C) LONGITUDINAL SAWED JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED), 30" LONG @ 36" C-C. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (D) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (E) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF CLASS B PATCHES OR ADJACENT PROPOSED PAVEMENT).
- (F) TRANSVERSE EXPANSION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (G) LONGITUDINAL KEYED JOINT





PJE-04

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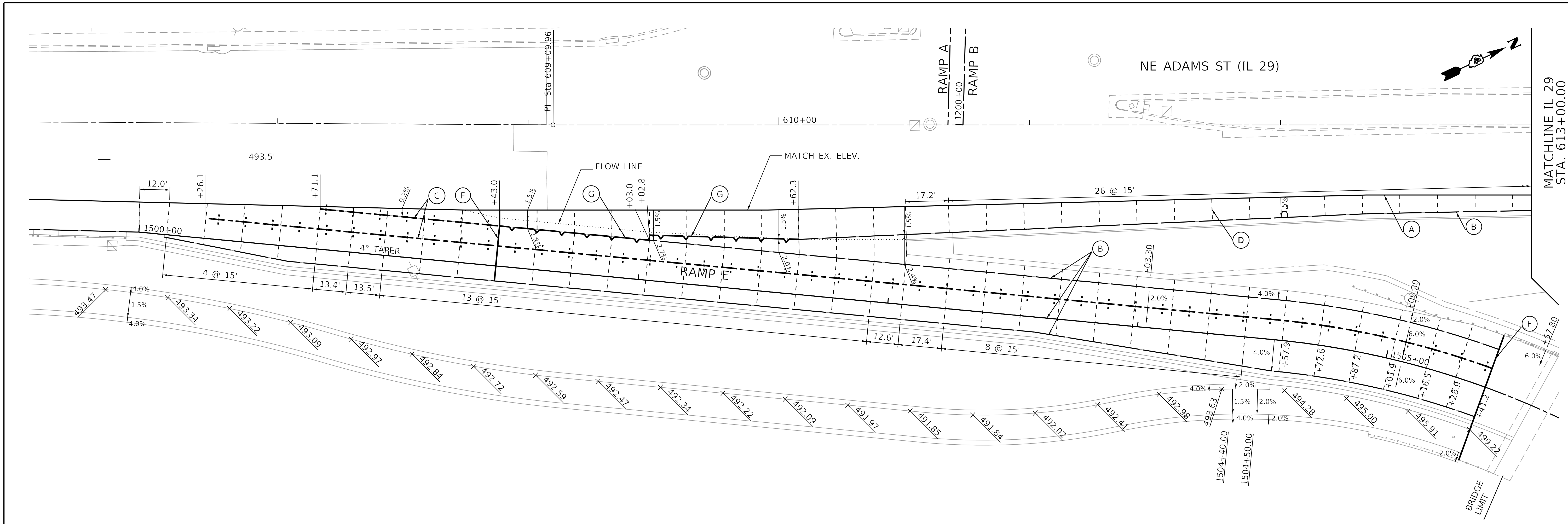
TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgormely	DESIGNED - MPG	REVISED -
		DRAWN - KRP	REVISED -
	PLOT SCALE = 40.00 ' / in.	CHECKED - DAJ	REVISED -
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

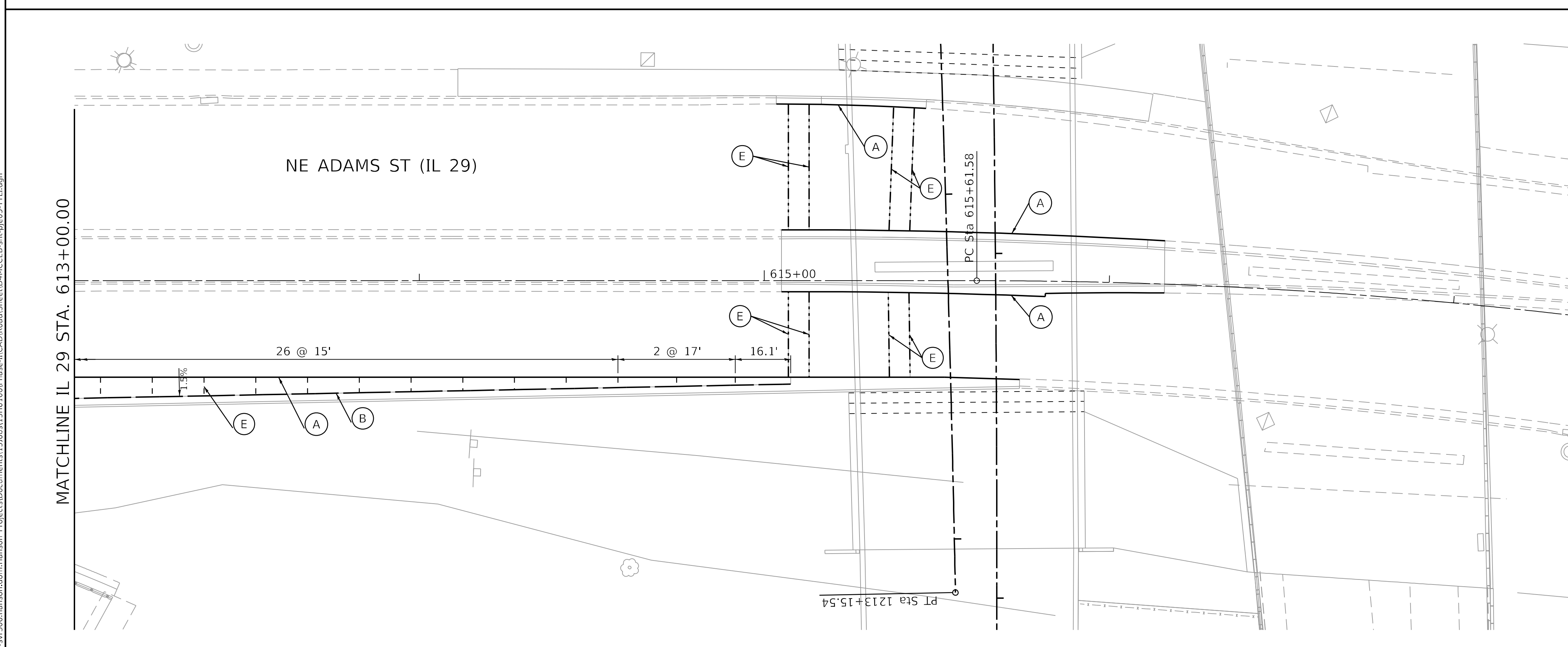
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT JOINTING AND ELEVATION PLAN

SCALE: 1"=20' | SHEET 4 OF 5 SHEETS | STA. 607+00 TO STA. 616+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	528
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	





PAVEMENT JOINTING LEGEND:

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C. DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).
- (B) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C. FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF THE ADJACENT PROPOSED PAVEMENT)
- (C) LONGITUDINAL SAWED JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED), 30" LONG @ 36" C-C. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (D) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (E) TRANSVERSE CONTRACTION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF CLASS B PATCHES OR ADJACENT PROPOSED PAVEMENT).
- (F) TRANSVERSE EXPANSION JOINT WITH 1 1/4" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (G) LONGITUDINAL KEYED JOINT

0 20 40 60
SCALE IN FEET

PIE-05

FINAL SUBMITTAL

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TYLIN INTERNATIONAL
200 S. WACKER DR.
SUITE 1400
CHICAGO, IL 60606
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -	
	DRAWN - KRP	REVISED -	
PLOT SCALE = 40.00 ' / in.	CHECKED - DAJ	REVISED -	
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT JOINTING AND ELEVATION PLAN

SCALE: 1"=20' | SHEET 5 OF 5 SHEETS | STA. 607+00 TO STA. 616+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	529

CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

EXISTING SIGN PANELS

MC CLUGAGE BRIDGE							EXISTING PANEL DIMENSIONS		SIGN AREA	REMOVE SIGN PANEL ASSEMBLY -TYPE B	REMOVE SIGN PANEL-TYPE 1	REMOVE SIGN PANEL-TYPE 2	REMOVE SIGN PANEL-TYPE 3	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	RELOCATE SIGN PANEL - TYPE 1	REMOVE OVERHEAD SIGN STURCUTE-SPAN	REMOVE OVEERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	REMOVE GROUND MOUNTED SIGN SUPPORT	REMOVE CONCRETE FOUNDATION-GOUND MOUNT	REMOVE CONCRETE FOUNDATION-OVERHEAD
ROUTE	STATION	LT/RT	MUTCD NO./ILSHS	SIGN NO.	LEGEND/ DESCRIPTION	ACTION	WIDTH (IN)	HEIGHT (IN)	(SQ FT)	(EACH)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
EB US 150	2095+39	RT	R2-1	SGN-TS-01-N	SPEED LIMIT 45	REMAIN														
EB US 150	2097+24.0	RT	M4-5	SGN-LP-02-R	TO	TO BE REMOVED	32.0	15.0	3.3	1										
			M1-4		24		36.0	36.0	9.0											
			M6-3		ARROW		32.0	18.0	4.0											
RAMP A	1100+93.0	RT	W2-2	SGN-LP-03-R	SIDE ROAD	TO BE REMOVED	36.0	36.0	9.0	1										
			W13-3		RAMP		36.0	12.0	3.0											
			W13-3		15 MPH		24.0	30.0	5.0											
RAMP A	1102+70.0	RT		SGN-BS-04-R	IL29, ADAMS ST, CHILLICOTHE	SIGN AND FOUNDATIONS TO BE REMOVED	132.0	120.0	110.0				110.0					2	2	
RAMP A	1106+58.0	RT	W13-3	SGN-TS-05-N	RAMP	REMAIN														
					25 MPH															
RAMP B	1205+77.0	RT	W3-1	SGN-TS-06-R	ADVANCED TRAFFIC CONTROL	TO BE REMOVED	48.0	48.0	16.0			16.0								
RAMP B	1207+96.0	LT	R1-1	SGN-TS-07-R	STOP	TO BE REMOVED	36.0	36.0	9.0		9.0									
RAMP B	1208+00.0	LT	R1-1	SGN-TS-08-R	STOP	TO BE REMOVED	36.0	36.0	9.0		9.0									
EB US 150	2106+00.0	RT		SGN-BS-09-R	150 EAST, TO 24, ARROW	SIGN AND FOUNDATIONS TO BE REMOVED	84.0	90.0	52.5				52.5					2	2	
NB IL 29	614+15.0	RT		SGN-BS-10-N	ILLINOIS 29 NORTH, CHILLICOTHE, ARROW	REMAIN														
EB US 150	2108+30.0	LT		SGN-BR-11-R	150 WEST, NEXT LEFT	OVERHEAD SIGN TO BE REMOVED	108.0	66.0	49.5				49.5				1			
EB US 150	2112+23.0	LT	W4-1	SGN-PL-12-R	MERGE	TO BE REMOVED	45.0	45.0	14.1			14.1								
EB US 150	2114+86.0	LT		SGN-PL-13-R	MCCLUGAGE BRIDGE	TO BE REMOVED	60.0	30.0	12.5	1										
					ILLINOIS RIVER		48	24	8.0											
			R2-1		SPEED LIMIT 45		30	30	6.3											
EUREKA ST	603+84.0	LT	R1-1	SGN-TS-14-N	STOP	REMAIN														
EUREKA ST	604+21.0	LT	R5-2	SGN-TS-15-N	NO TRUCKS	REMAIN														
			R7-1		NO PARKING ANYTIME															
NB IL 29	604+42.0	LT	R7-107	SGN-TS-16-N	BUS STOP	REMAIN														
NB IL 29	605+64.0	LT	R2-1	SGN-LP-17-N	SPEED LIMIT 35	REMAIN														
			R7-203		SNOW ROUTE, NO PARKING															
NB IL 29	607+25.0	LT	M3-3	SGN-TS-18-N	SOUTH	REMAIN														
			M1-5		ILLINOIS 29															
			XM-11		RONAL REAGAN TRAIL															
			M6-3		ARROW															
NB IL 29 (RAMP E)	606+09	RT		SGN-BS-19-R	150 EAST, EAST PEORIA, ARROW	SIGN AND FOUNDATIONS TO BE REMOVED	150	138	143.8				143.8					2	2	
NB IL 29 (RAMP E)	609+20	RT	M3-2	SGN-TS-20-R	EAST	TO BE REMOVED	24	12	2.0	1										
			M1-4		150		30	24	5.0											
			M6-2		ARROW		21	15	2.2											
			XM-11		RONALD REAGAN TRAIL		24	30	5.0											
			M6-3		ARROW		21	15	2.2											
RAMP A	101+35	LT		SGN-BS-21-N	ILLINOISE 29 NORTH, CHILLICOTH, ARROW, ILLINOIS 29 SOUTH, ADAMS ST, ARROW	REMAIN														
RAMP B	203+46	RT	W13-3	SGN-WP-22-N	RAMP 25 MPH	REMAIN														
NB IL 29	612+09	LT		SGN-BS-23-N	ARROW, ILLINOIS 29 SOUTH, ADAMS ST, 150 EAST, EAST PEORIA, ARROW	REMAIN														
SB IL 29	611+46	LT	R3-2	SGN-TS-24-N	NO LEFT TURN	REMAIN														
			R3-2		NO LEFT TURN															
RAMP E	1504+18	LT	W13-3	SGN-WP-25-R	RAMP, 30 MPH	TO BE REMOVED	48	60	20.0			20.0								
EB US 150	2124+86	LT	R2-1	SGN-LP-26-R	SPEED LIMIT 55	TO BE REMOVED	30	36	7.5		7.5									
EB US 150	2126+07	LT		SGN-BR-27-R	150 EAST, 24, ILLINOIS 116, EAST PEORIA, METAMORA, I MILE	OVERHEAD SIGN AND STRUCTURE TO BE REMOVED	258	162	290.3				290.3				1			

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USER NAME = rwatson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED - 3

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
EXISTING SIGN SCHEDULE

SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	530

CONTRACT NO. 68B46

ILLINOIS | FED. AID PROJECT NHPP-YRP3(905)

EXISTING SIGN PANELS

MC CLUGAGE BRIDGE							EXISTING PANEL DIMENSIONS		SIGN AREA	REMOVE SIGN PANEL ASSEMBLY -TYPE B	REMOVE SIGN PANEL-TYPE 1	REMOVE SIGN PANEL-TYPE 2	REMOVE SIGN PANEL-TYPE 3	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	RELOCATE SIGN PANEL - TYPE 1	REMOVE OVERHEAD SIGN STURCUTE-SPAN	REMOVE OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	REMOVE GROUND MOUNTED SIGN SUPPORT	REMOVE CONCRETE FOUNDATION-GOUND MOUNT	REMOVE CONCRETE FOUNDATION-OVERHEAD
ROUTE	STATION	LT/RT	MUTCD NO./ILSHS	EX SIGN NO.	LEGEND/ DESCRIPTION	ACTION	WIDTH (IN)	HEIGHT (IN)	(SQ FT)	(EACH)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
EB US 150	2133+44	LT	I1-I104	SGN-BR-28-R	TAZEWELL COUNTY	TO BE REMOVED	42	30	8.8		8.8									
EB US 150	2158+51	LT	D13-I102	SGN-LP-29-R	LEAVING	TO BE REMOVED	30	9	1.9	1										
			D13-I100		WATER SUPPLY PROTECTION AREA		30	42	8.8											
EB US 150	2160+07	RT		SGN-BS-30-R	150 EAST, 24, ILLINOIS 116 WEST, EAST PEORIA, 1 1/4 MILE	SIGN AND FOUNDATIONS TO BE REMOVED	192	174	232.0				232.0					2	2	
EB US 150	2164+06	RT	R2-1	SGN-LP-31-R	SPEED LIMIT 55	TO BE REMOVED	30	36	7.5		7.5									
EB US 150 (RAMP SW)	2171+34	RT	M3-4	SGN-LP-32-R	WEST	TO BE REMOVED	30	12	2.5	1										
			M1-4		24		36	36	9.0											
			M6-2		ARROW		30	15	3.1											
EB US 150 (RAMP SW)	2170+50	LT		SGN-TR-33-R	24 EAST, WASHINGTON, ARROW	SIGNS, OVERHEAD SIGN STRUCTURE, FOUNDATIONS TO BE REMOVED	174	132	159.5				545.8			1				2
					ILLINOIS 116 EAST, METAMORA, 1/4 MILE		150	126	131.3											
					150 EAST, 24, ILLINOIS 116 WEST, EAST PEORIA, ARROW		204	180	255.0											
RAMP SW	15+31	RT	W13-3	SGN-LP-34-R	RAMP, 35 MPH	TO BE REMOVED	60	48	20.0			20.0								
RAMP SW	16+00	LT	E5-1	SGN-WP-35-R	EXIT, ARROW	TO BE REMOVED	66	66	30.3			30.3								
RAMP SW	23+51	LT	W3-1	SGN-TS-36-R	ADVANCED TRAFFIC CONTROL	TO BE REMOVED	36.0	36.0	9.0		1									
			R5-1a		WRONG WAY		36.0	24.0	6.0											
RAMP SW	23+54	RT	W3-1	SGN-WP-37-R	ADVANCED TRAFFIC CONTROL	TO BE REMOVED	36.0	36.0	9.0		1									
			R5-1a		WRONG WAY		36.0	24.0	6.0											
SB IL 116	217+16	LT	R1-1	SGN-TS-38-R	STOP	TO BE REMOVED	36	36	9.0		9.0									
SB IL 116	217+18	LT	R1-1	SGN-WP-39-R	STOP	TO BE REMOVED	36	36	9.0	1										
			R5-1		DO NOT ENTER		36	36	9.0											
SB IL 116	217+60	LT	R6-1	SGN-TS-40-R	ONE WAY ARROW	TO BE REMOVED	36	12	3.0	1										
			R3-2		NO LEFT TURN		36	36	9.0											
SB IL 116	218+35	LT	R5-1	SGN-TS-41-R	DO NOT ENTER	TO BE REMOVED	36	36	9.0	1										
			R6-1		ONE WAY ARROW		36	12	3.0											
			R3-1		NO RIGHT TURN		36	36	9.0											
SB IL 116	190+81	LT	W4-1	SGN-TS-42-N	MERGE	REMAIN														
SB IL 116	194+89	RT		SGN-WP-43-N	ILLINOIS CENTRAL COLLEGE	REMAIN														
					GOLF COURSE															
					CARL SPINDLER MARINA															
					CAMPING															
SB IL 116	196+02	LT	M3-4	SGN-WP-44-L	WEST	TO BE RELOCATED								1						
			M1-4		US 24															
			M3-4		WEST															
			M1-5		IL 116															
			M3-2		EAST															
			M1-4		US 150															
			XM-4a		WESTERN RANCH															
FAIRLANE DR	198+25	LT	R1-1	SGN-TS-45-L	STOP	TO BE RELOCATED									1					
SB IL 116	203+76	LT		SGN-TS-46-L	CARL SPINDLER MARINA	TO BE RELOCATED								1						
					CAMPING															
					BUCKLE UP															
SB IL 116	206+14	LT		SGN-TS-47-L	PORTAL COMMUNITY	TO BE RELOCATED									1					
FAIRLANE DR	200+61	LT		SGN-TS-48-N	SPEED LIMIT 35	REMAIN														
EB US 150	2164+22	LT		SGN-TS-49-N	NO U-TURN EXCEPT AUTHORIZED VEHICLES	REMAIN														
					TOTAL					9	53	100	1424	2	2	1	2	8	8	2

RESIDENT ENGINEER SHALL CONTACT OPERATIONS FOR VERIFICATION OF SIGN RELOCATION AND INSTALLATION.

FINAL SUBMITTAL

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT EXISTING SIGN SCHEDULE	F.A.P RTE. 317; SECTION [15B;[(102-1),(14HB)]BR]BR; COUNTY PEORIA; TOTAL SHEETS 1361; SHEET NO. 531
		DRAWN -	REVISED -			CONTRACT NO. 68B46
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -			
	PLOT DATE = 11/28/2018	DATE -	REVISED - 3		SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

PROPOSED SIGN SCHEDULE

										SIGN PANELS			SIGN SUPPORTS					BREAKAWAY STEEL SIGN SUPPORT									OVERHEAD SIGN STRUCTURE	
	MC CLUGAGE BRIDGE							PROPOSED PANEL DIMENSIONS	SIGN AREA	SIGN PANEL-TYPE 1	SIGN PANEL-TYPE 2	SIGN PANEL-TYPE 3	TELESCOPING STEEL SIGN SUPPORT		WOOD SIGN SUPPORT			POST SIZE	POST LENGTH			STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY	CONCRETE FOUNDATIONS				OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	
ROUTE	STATION	LT/RT	MUTCD NO./ILSHS	SIGN NO.	LEGEND/ DESCRIPTION	"AA" (FT)	"BB" (FT)	WIDTH (IN)	HEIGHT (IN)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	P1 (FT)	PAY LENGTH (FT)	P1 (FT)	P2 (FT)	PAY LENGTH (FT)		P1 (FT)	P2 (FT)	P3 (FT)	(POUND)	(FT)	2.0 DIA (CU YD)	2.5 DIA (CU YD)	3.0 DIA (CU YD)	(CU YD)	
EB US 150	2095+84	RT	M4-5	SGN-PL-101-P	TO		7.0	36.0	18.0	4.5	4.5																	
			M1-4		24			36.0	36.0	9.0	9.0																	
			M6-3		ARROW			30.0	21.0	4.4	4.4																	
EB US 150	2097+24	RT	W2-2	SGN-PL-102-P	SIDE ROAD		7.0	36.0	36.0	9.0	9.0																	
			W13-3		RAMP, 15 MPH			36.0	48.0	12.0		12.0																
EB US 150	2096+52	RT		SGN-BS-103-P	IL29, ADAMS ST, CHILLICOTHE	8.5	12.6	126.0	120.0	105.0			105.0						W10X22	19.5	16.8		1019.0	13.0		2.4			
EB US 150	2108+30	LT		SGN-BR-104-P	150 WEST, NEXT LEFT			102.0	66.0	46.8			46.8	SEE SHEETS FOR OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED														
EB US 150	2109+29	RT		SGN-BS-105-P	150 EAST, TO 24, ARROW	6.0	7.0	108.0	84.0	63.0			63.0						W6X15	15.2	15.3		600.0	12.0	1.4				
EB US 150	2109+84	RT	W4-1	SGN-LP-106-P	MERGE			48.0	48.0	16.0		16.0																	
NB IL 29 (RAMP E)	605+90	RT		SGN-BS-107-P	150 EAST, EAST PEORIA, ARROW	19.0	7.3	132	102	93.5			93.5						W6X15	15.3	15.4		603.0	12.0	1.4				
NB IL 29 (RAMP E)	606+87	RT	M3-2	SGN-LP-108-P	EAST	4.0	7.0	24	12	2.0	2.0																		
			M1-4		150			30	24	5.0	5.0																		
			M6-2		ARROW			21	15	2.2	2.2																		
			XM-11		RONALD REAGAN TRAIL			24	30	5.0	5.0																		
			M6-3		ARROW			21	15	2.2	2.2																		
RAMP E	1503+82	RT	W13-3	SGN-LP-109-P	RAMP, 30 MPH	8.0	7.0	36.0	48.0	12.0		12.0																	
	2119+43	RT	R2-1	SGN-TS-110-P	SPEED LIMIT 45			36	48	12.0		12.0		7.5	7.5														
EB US 150	2129+66	LT	R2-1	SGN-LP-111-P	SPEED LIMIT 55		7.0	36	48	12.0		12.0																	
EB US 150	2130+77	RT		SGN-TR-112-P	150 EAST, 24, ILLINOIS 116, EAST PEORIA, METAMORA, I MILE			246	144	246.0			246.0	SEE SHEETS FOR OVERHEAD SIGN STRUCTURE - SPAN														85.0
EB US 150	2134+06	LT	I1-I104	SGN-LP-113-P	TAZEWELL COUNTY		7.0	30	24	5.0	5.0																		
EB US 150	2158+24	LT	D13-I102	SGN-LP-114-P	LEAVING		7.0	30	9	1.9	1.9																		
			D13-I100		WATER SUPPLY PROTECTION AREA			30	42	8.8	8.8																		
EB US 150	2160+07	RT		SGN-BS-115-P	150 EAST, 24, ILLINOIS 116 WEST, EAST PEORIA, 1 1/4 MILE	24.0	7.0	210	138	201.3			201.3						W14X38	18.9	21.8	24.8	3112.0	24.0			6.3		
EB US 150	2165+00	LT	R2-1	SGN-TS-116-P	SPEED LIMIT 55		7.0	36	48	12.0		12.0		7.5	7.5														
EB US 150 (RAMP SW)	010+50	RT	M3-4	SGN-TS-117-P	WEST	26.0	7.0	36	18	4.5	4.5																		
			M1-4		24			36	36	9.0	9.0			9.8	9.8														
			M6-2		ARROW			30	21	4.4	4.4																		
EB US 150 (RAMP SW)	2169+00	RT/LT		SGN-TR-118A-P	24 EAST, WASHINGTON, ARROW			174	114	137.8			137.8	SEE SHEETS FOR OVERHEAD SIGN STRUCTURE - SPAN														33.6	85.0
				SGN-TR-118B-P	ILLINOIS 116 EAST, METAMORA, 1/4 MILE			150	114	118.75			118.8																
				SGN-TR-118C-P	150 EAST, 24, ILLINOIS 116 WEST, EAST PEORIA, ARROW			210	150	218.8			218.8																
RAMP SW	013+39	RT	W13-3	SGN-WP-119-P	RAMP, 35 MPH	27.0	7.0	36	48	12.0		12.0				16.0		16.0											
EB US 150 RAMP SW	2174+20	RT	E5-1	SGN-WP-120-P	EXIT, ARROW	22.0	7.0	66	66	30.3			30.3			17.5	17.5	35.0											
FAIRLANE DR (RAMP SW)	25+25	RT	R7-8	SGN-TS-121A-P	RESERVED PARKING		7.0	12	18	1.5	1.5			14.0	14.0														
			R-I101P		$350 FINE			12	6	0.5	0.5																		
FAIRLANE DR (RAMP SW)	25+25	RT	R7-8	SGN-TS-121B-P	RESERVED PARKING		7.0	12	18	1.5	1.5			14.0	14.0														
			R-I101P		$350 FINE			12	6	0.5	0.5																		
FAIRLANE DR (RAMP SW)	25+25	RT	R1-1	SGN-TS-122-P	STOP		7.0	30	30	6.3	6.3			14.5	14.5														
IL RTE 29	605+41	RT	R7-8	SGN-TS-123A-P	RESERVED PARKING		7.0	12	18	1.5	1.5			14.0	14.0														
			R-I101P		$350 FINE			12	6	0.5	0.5																		
IL RTE 29	605+91	RT	R7-8	SGN-TS-123B-P	RESERVED PARKING		7.0	12	18	1.5	1.5			14.0	14.0														
			R-I101P		$350 FINE			12	6	0.5	0.5																		
IL RTE 29	604+21	RT	R1-1	SGN-TS-124-P	STOP		7.0	30	30	6.3	6.3			14.5	14.5														
EB US 150	2166+45	LT		SGN-LP-125-P	MCCLUGAGE BRIDGE		7.0	60.0	30.0	12.5	12.5																		
					ILLINOIS RIVER			42	30	8.8	8.8																		
EB US 150	2159+00	RT	W9-7	SGN-TS-126-P	RIGHT LANE EXIT ONLY AHEAD			48	48	16.0		16.0		7.5	7.5														
RAMP A	1112+00	RT	R5-1a	SGN-TS-127-P	WRONG WAY			36	24	6.0	6.0			15.0	15.0														
RAMP SW	31+00	RT	R5-1a	SGN-TS-128-P	WRONG WAY			36	24	6.0	6.0			15.0	15.0														
TOTAL											131	104	1261		147			51					5334		2.8	2.4	6.3	33.6	170

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	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED SIGN SCHEDULE

SCALE: N/A | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	532
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)		

PAVEMENT MARKING SCHEDULE - PEORIA AND TAZEWELL COUNTIES

LOCATION (PEORIA & TAZEWELL)				DELINEATORS	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	CURB REFLECTORS	GROOVING FOR RECESSED PAVEMENT MARKING 9"
	STATION	TO	STATION	EACH	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	FOOT
US 150 (PEO)	2090+60.7		2106+75.2					83	4831	813	1452	780		160		
US 150 (TAZ)	2106+75.2		2157+51.0		8073	5706	828									2682
US 150 (TAZ)	2157+51.0		2179+38.4						3918	547	1198	342		50		
RAMPS A/B (PEO)	1105+00.0		1114+00.0	30					1844	169	378	140	35		75	
IL RTE 29 (PEO)	604+30.0		615+74.0						3852	729	854		62	91		
RAMP E (PEO)	1503+60.0		1505+59.0						398		554					
RAMP E (PEO)	1505+59.0		1509+27.4		737	1755	191									
RAMP SW (TAZ)	10+79.3		35+40.0						3269		827					
IL RTE 116 (TAZ)	185+91.7		213+37.5					125	4106	587	2780	134	40	86		
MARINA PARK RD (TAZ)								62	449	51	276	58	53			
TOTAL				30	8810	7461	1019	270	22667	2896	8319	1454	190	387	75	2682

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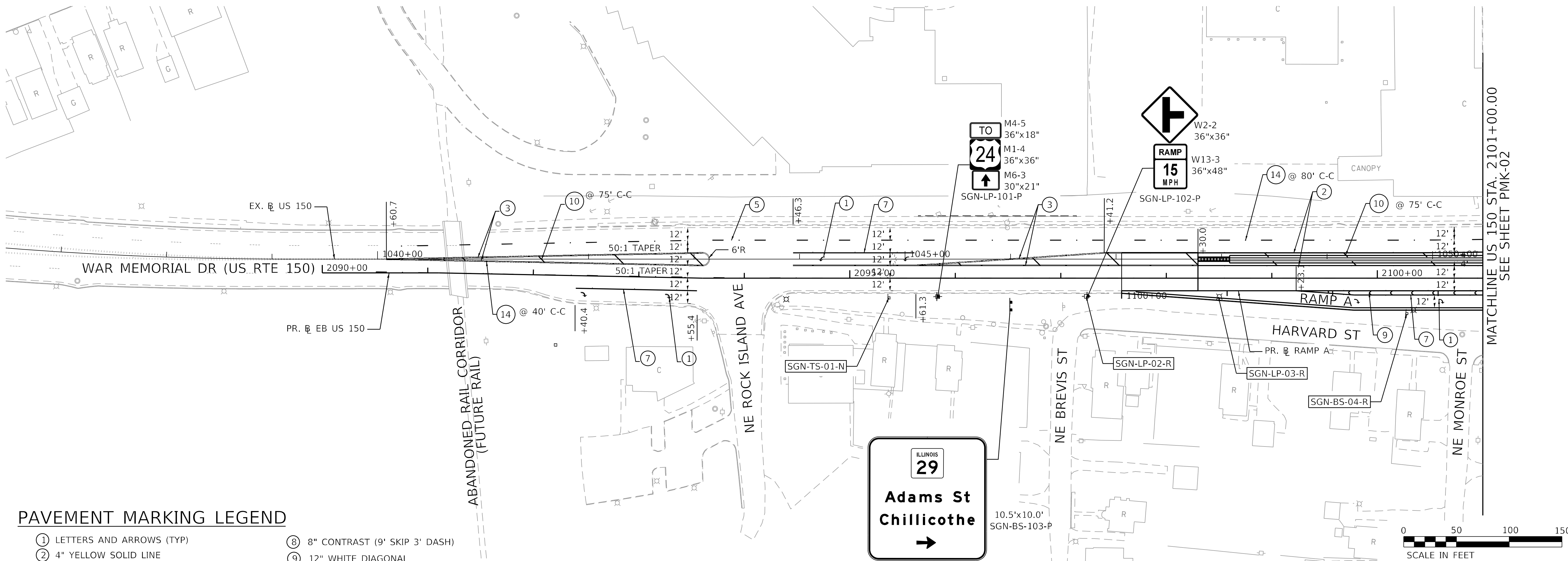
USER NAME = rwatson	DESIGNED - TN	REVISED -	
	DRAWN - JP	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/28/2018	DATE - 11/28/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED PAVEMENT MARKING SCHEDULE

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:[(102-1),(14HB)]BR)BR	PEORIA	1361	533
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	



PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

NOTES:

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).

GUIDE SIGN SEQUENCE NUMBERING CODE

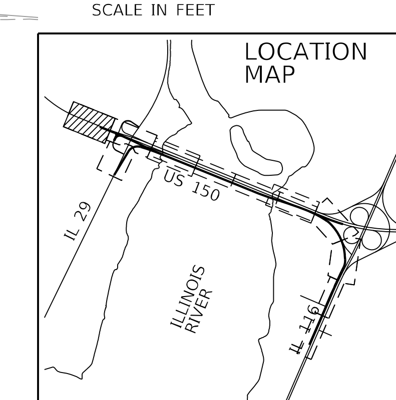
SGN-TS-01-N

SIGN

MOUNTING TYPE
- LP - LIGHT POLE
- TR - TRUSS
- BR - BRIDGE MOUNTED
- TS - TELESCOPING STEEL
- BS - BREAKAWAY STEEL
- WP - WOOD POST

SIGN PANEL NUMBER

- REMOVED (R)
- PROPOSED (P)
- REMAIN (N)
- RELOCATE (L)



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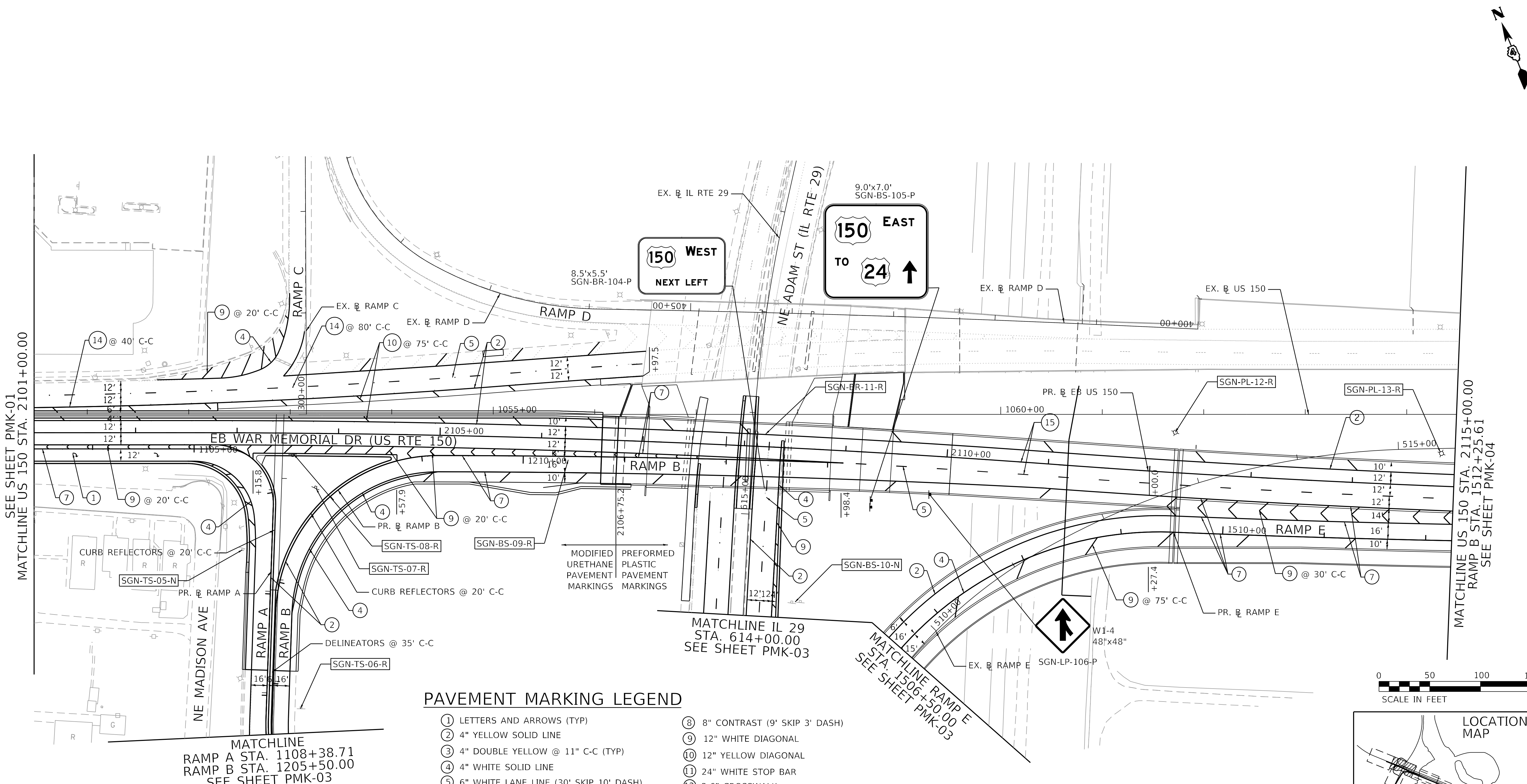
PMK-01

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PAVEMENT MARKING AND SIGNING PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SCALE: 1"=50' SHEET 1 OF 8 SHEETS STA. 2090+00.00 TO STA. 2101+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	534
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	



PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

NOTES:

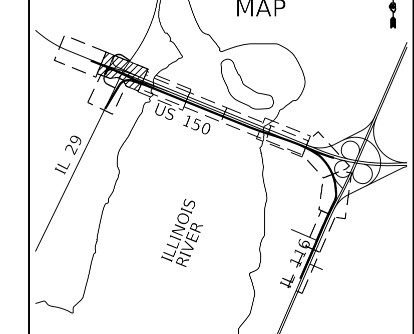
1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).

GUIDE SIGN SEQUENCE NUMBERING CODE

SGN-TS-01-N

- SIGN
- MOUNTING TYPE
  - LP - LIGHT POLE
  - TR - TRUSS
  - BR - BRIDGE MOUNTED
  - TS - TELESCOPING STEEL
  - BS - BREAKAWAY STEEL
  - WP - WOOD POST
- SIGN PANEL NUMBER
- REMOVED (R)
- PROPOSED (P)
- REMAIN (N)
- RELOCATE (L)

LOCATION MAP



PMK-02

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MILLENNIA PROFESSIONAL SERVICES www.mps-il.com

USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=50' | SHEET 2 OF 8 SHEETS | STA. 2101+00.00 TO STA. 2115+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA	1361	535
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

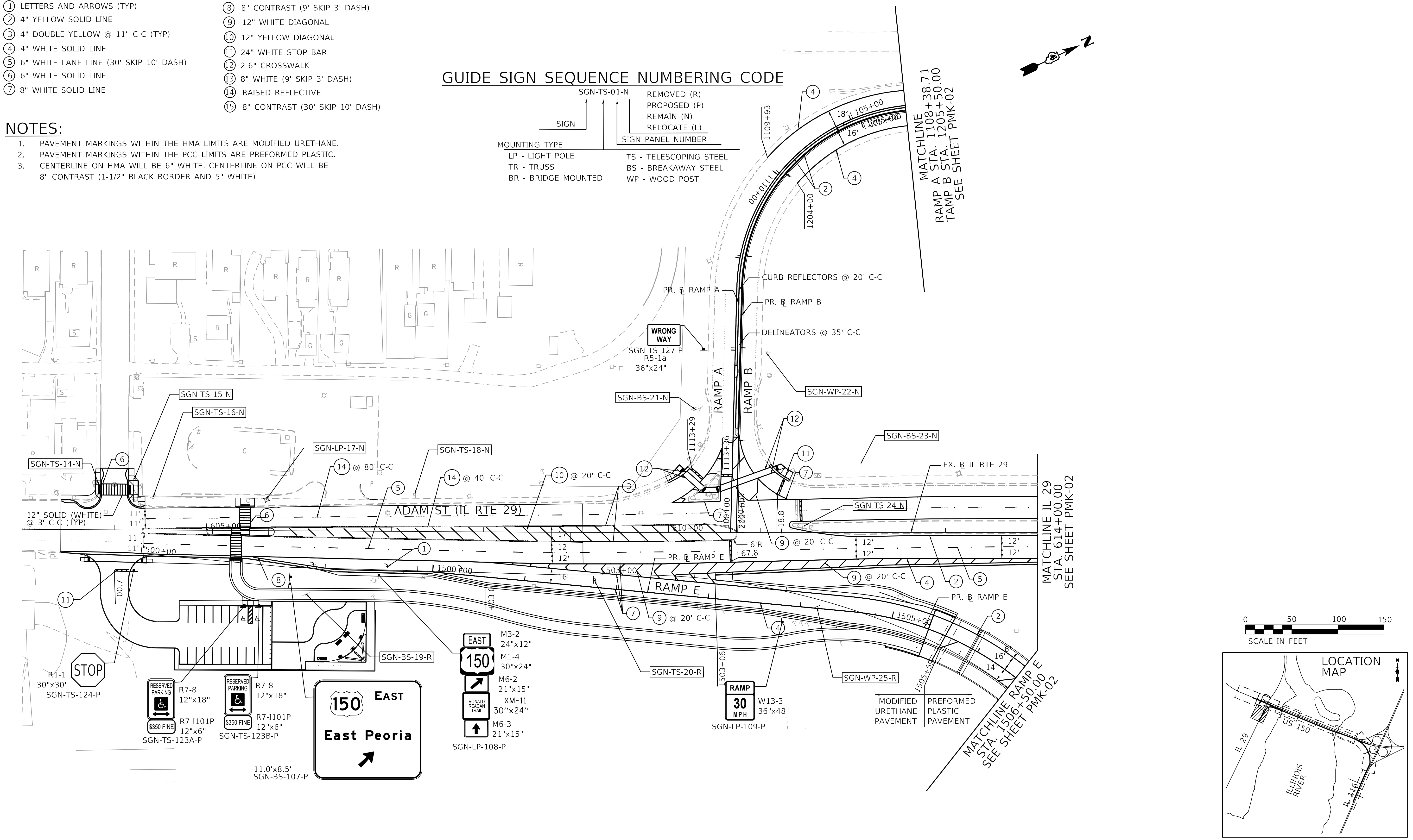
NOTES:

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).

GUIDE SIGN SEQUENCE NUMBERING CODE

SGN-TS-01-N

- SIGN
- MOUNTING TYPE
  - LP - LIGHT POLE
  - TR - TRUSS
  - BR - BRIDGE MOUNTED
  - TS - TELESCOPING STEEL
  - BS - BREAKAWAY STEEL
  - WP - WOOD POST
- SIGN PANEL NUMBER
- REMOVED (R)
- PROPOSED (P)
- REMAIN (N)
- RELOCATE (L)

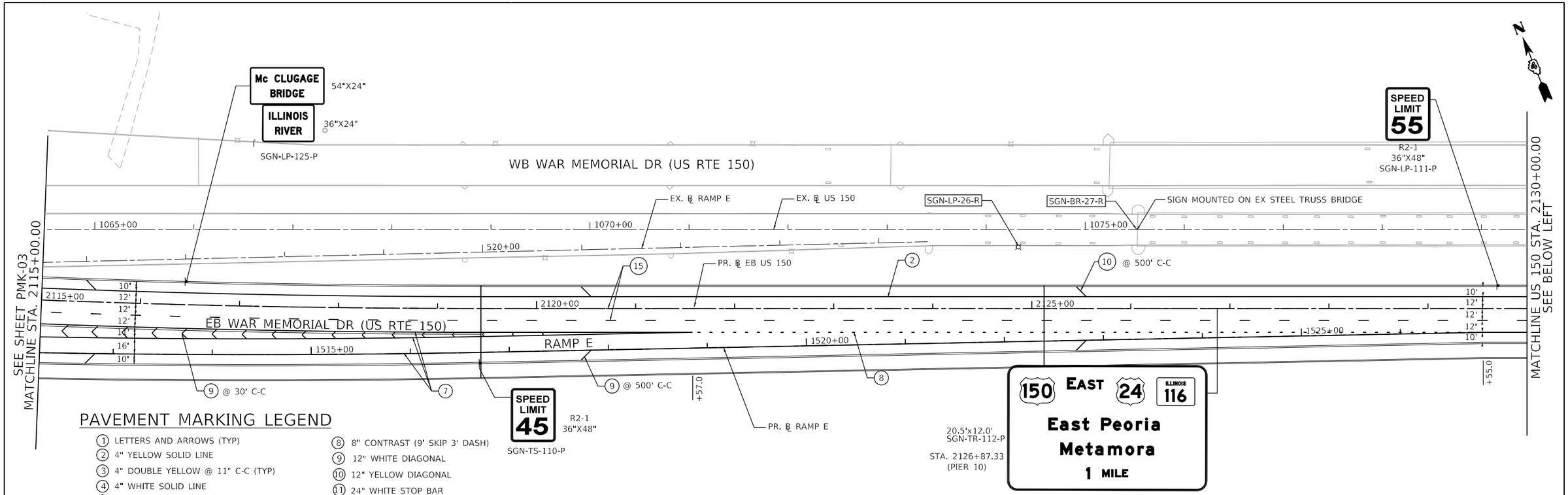


PMK-03

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PAVEMENT MARKING AND SIGNING PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SCALE: 1"=50' SHEET 3 OF 8 SHEETS STA. 603+00.00 TO STA. 614+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR		1361	536
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

FINAL SUBMITTAL



PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

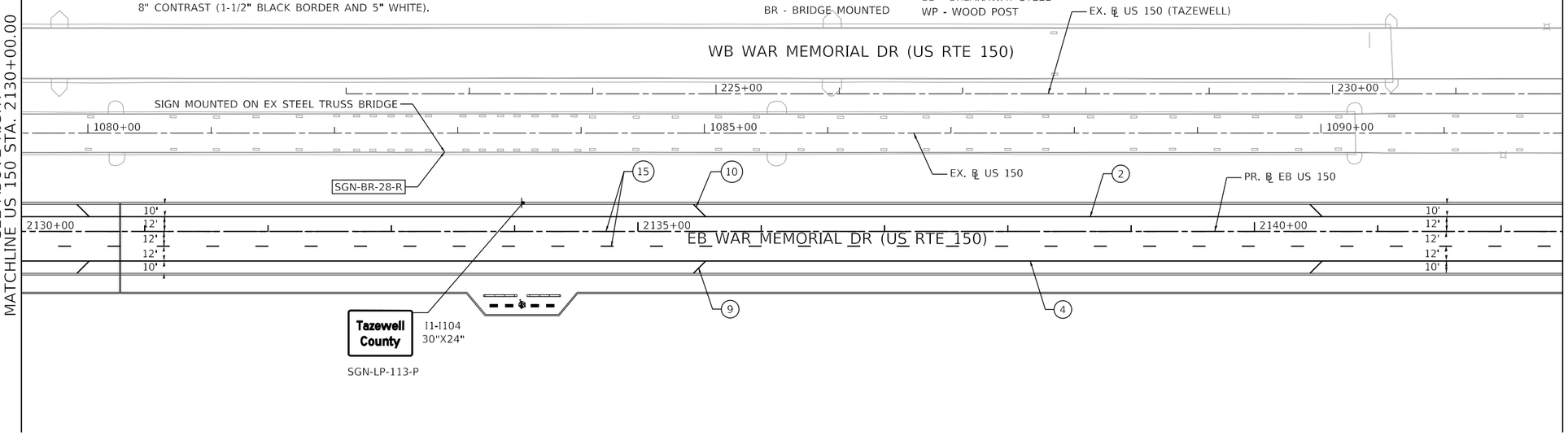
NOTES:

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).

GUIDE SIGN SEQUENCE NUMBERING CODE

SGN-TS-01-N

- SIGN
- MOUNTING TYPE
  - LP - LIGHT POLE
  - TR - TRUSS
  - BR - BRIDGE MOUNTED
- TS - TELESCOPING STEEL
- BS - BREAKAWAY STEEL
- WP - WOOD POST
- SIGN PANEL NUMBER
- REMOVED (R)
- PROPOSED (P)
- REMAIN (N)
- RELOCATE (L)



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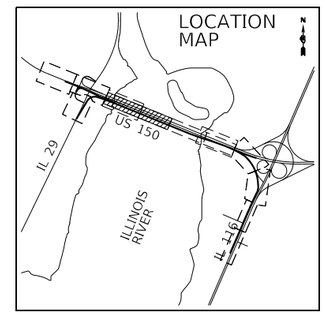

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MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

USER NAME = rwatson	DESIGNED - TN	REVISED -	
	DRAWN - JP	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -	
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -	

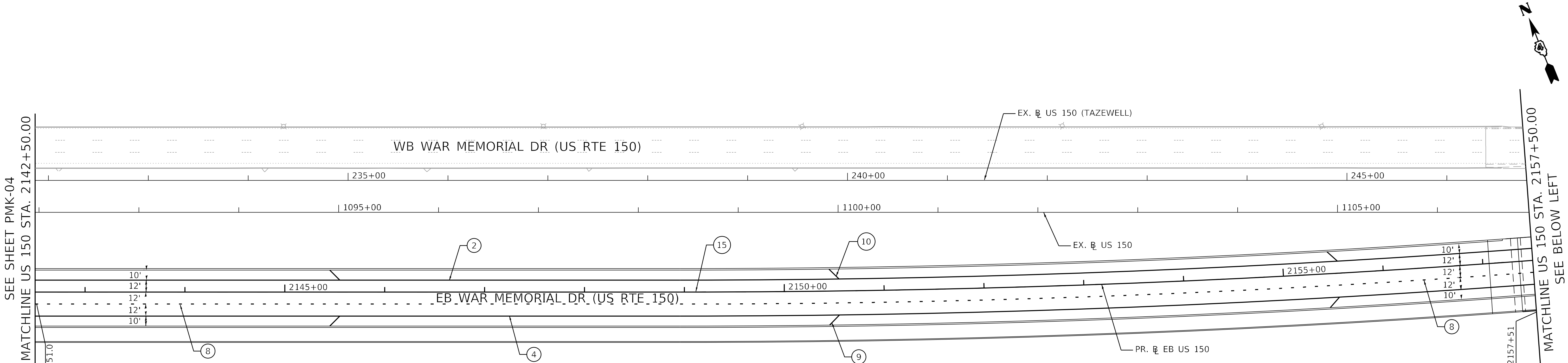
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=50' | SHEET 4 OF 8 SHEETS | STA. 2115+00.00 TO STA. 2142+50.00

PMK-04

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA/ TAZEWELL	1361	537
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			



PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

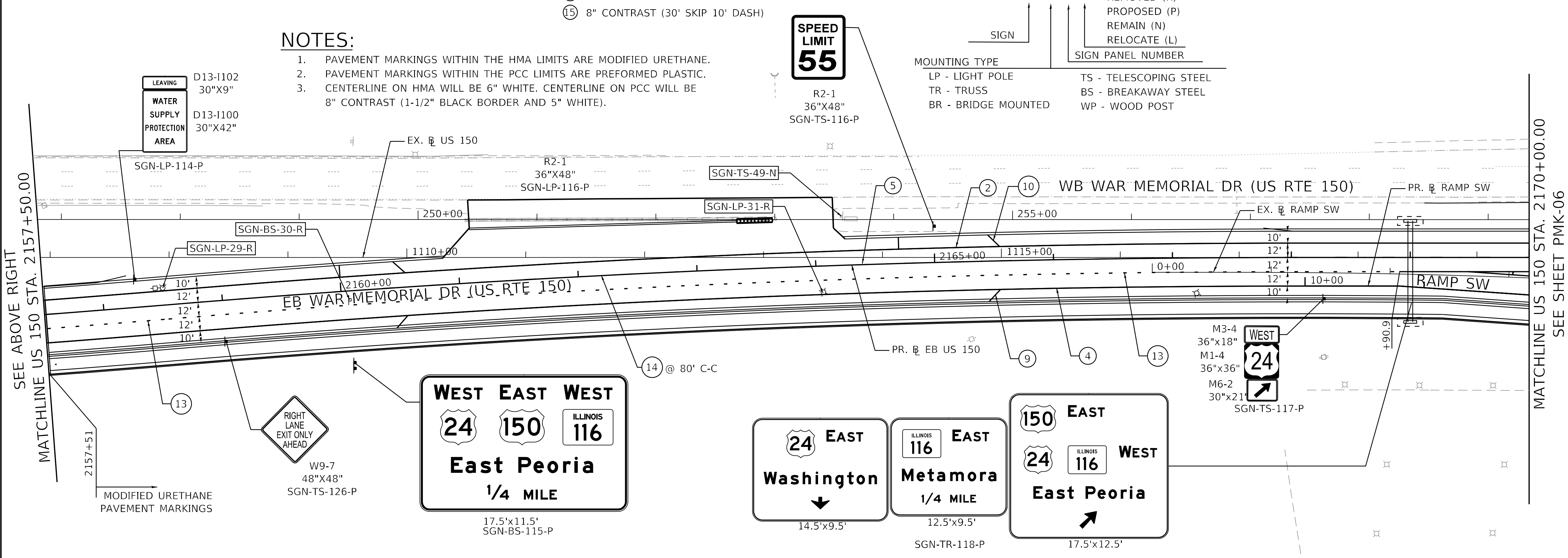
NOTES:

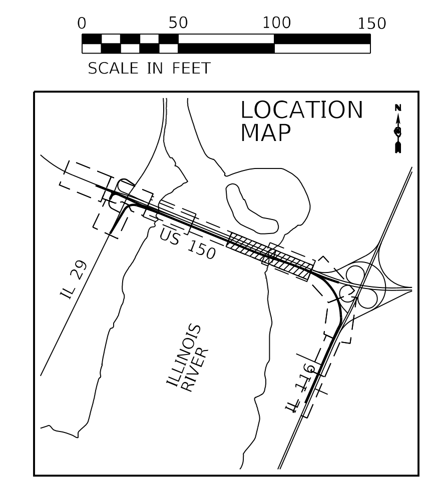
1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).

GUIDE SIGN SEQUENCE NUMBERING CODE

SGN-TS-01-N

- SIGN
- MOUNTING TYPE
  - LP - LIGHT POLE
  - TR - TRUSS
  - BR - BRIDGE MOUNTED
  - TS - TELESCOPING STEEL
  - BS - BREAKAWAY STEEL
  - WP - WOOD POST
- SIGN PANEL NUMBER
- REMOVED (R), PROPOSED (P), REMAIN (N), RELOCATE (L)





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PMK-05

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PAVEMENT MARKING AND SIGNING PLAN	F.A.P RTE. 317	SECTION [15B;[(102-1),(14HB)]BR)BR	COUNTY TAZEWELL	TOTAL SHEETS 1361	SHEET NO. 538
		DRAWN - JP	REVISED -					CONTRACT NO. 68B46		
	PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -		SCALE: 1"=50' SHEET 5 OF 8 SHEETS STA. 2142+50.00 TO STA. 2170+00.00			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)		
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -							

PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

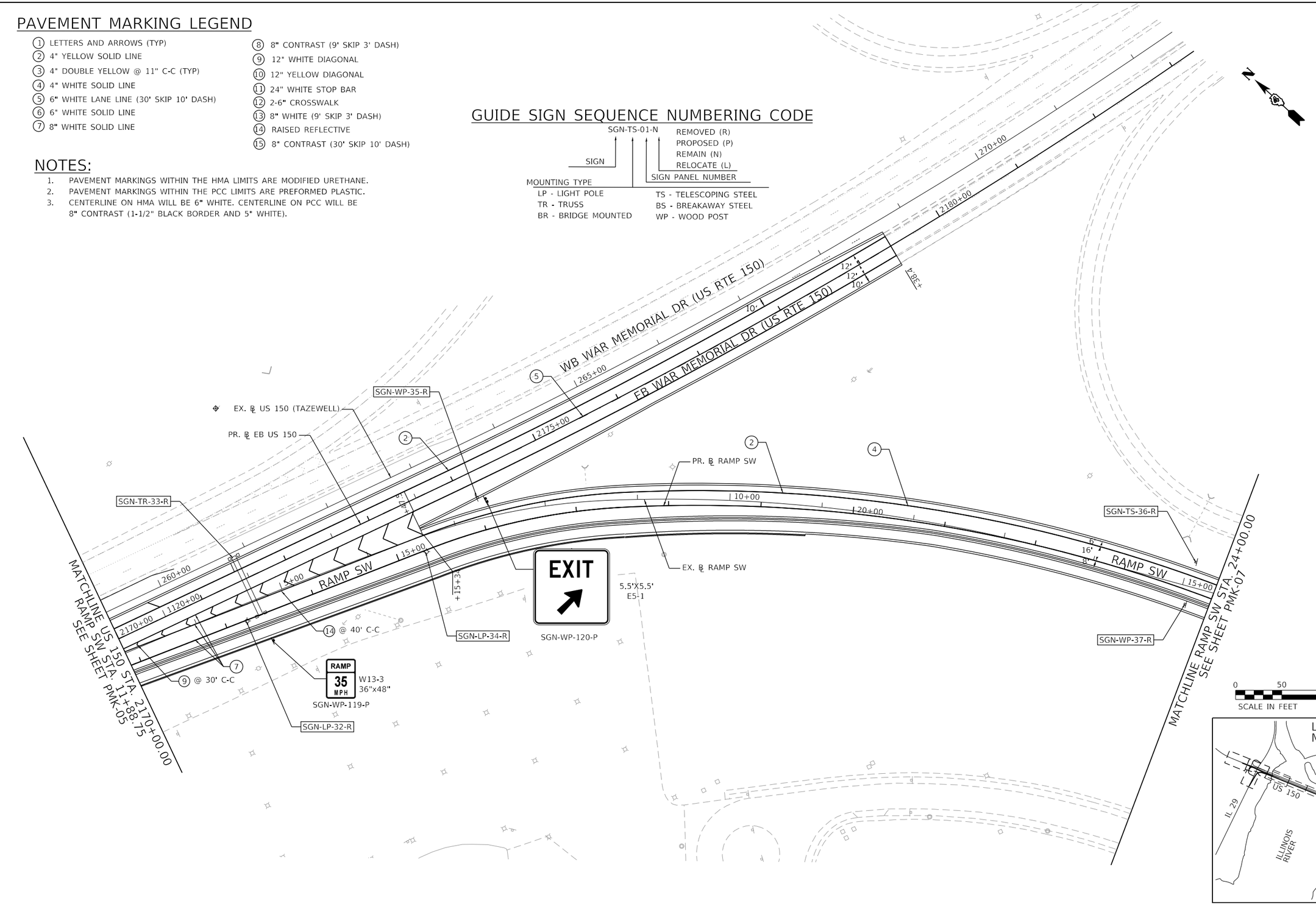
NOTES:

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).

GUIDE SIGN SEQUENCE NUMBERING CODE

SGN-TS-01-N

- SIGN
- MOUNTING TYPE
  - LP - LIGHT POLE
  - TR - TRUSS
  - BR - BRIDGE MOUNTED
  - TS - TELESCOPING STEEL
  - BS - BREAKAWAY STEEL
  - WP - WOOD POST
- SIGN PANEL NUMBER
- REMOVED (R)
- PROPOSED (P)
- REMAIN (N)
- RELOCATE (L)



PMK-06

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PAVEMENT MARKING AND SIGNING PLAN
		DRAWN - JP	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -		SCALE: 1"=50' SHEET 6 OF 8 8 SHEETS STA. 2170+00.00 TO STA. 2179+00
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	539
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)		

FINAL SUBMITTAL

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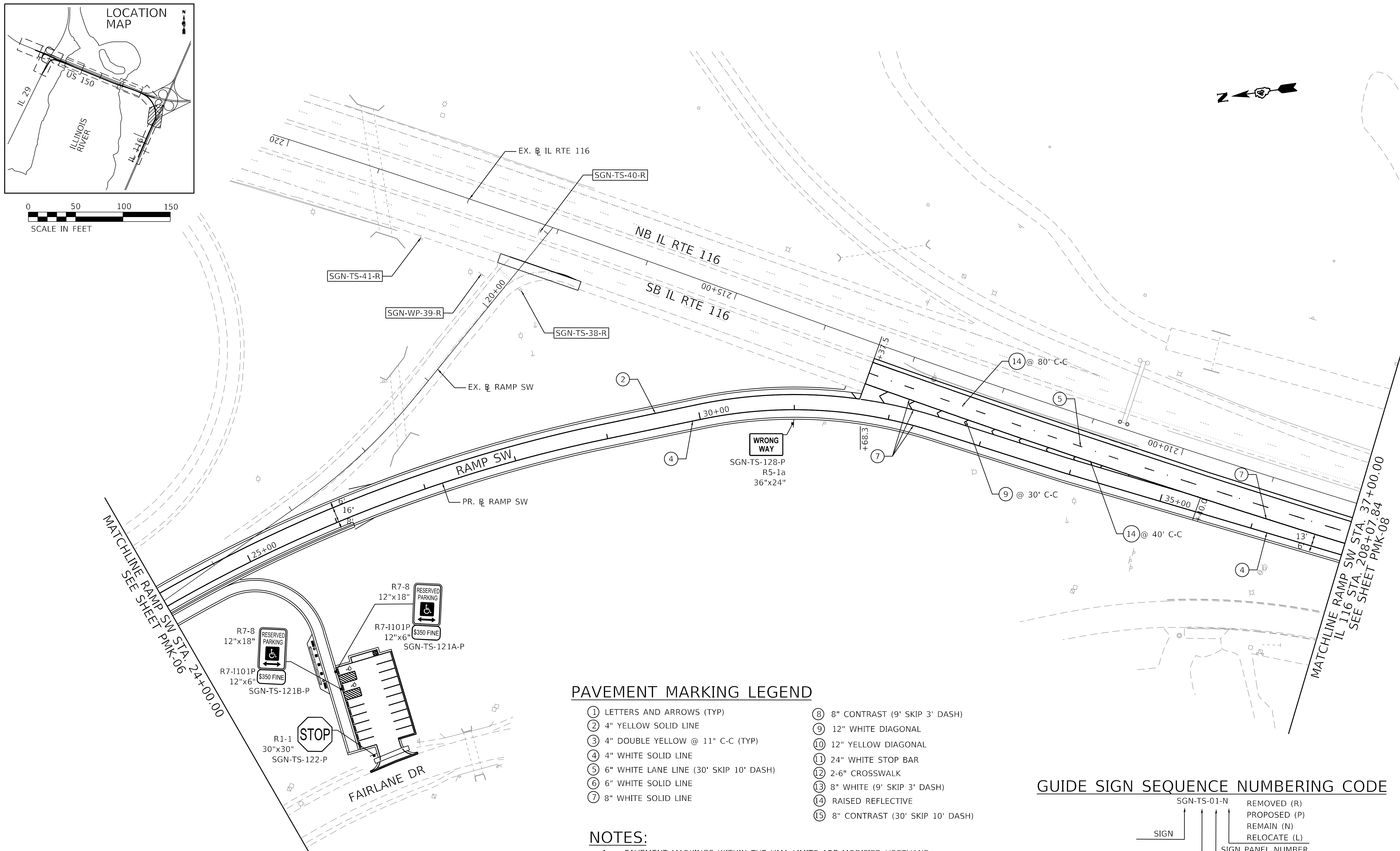

PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

NOTES:

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).

GUIDE SIGN SEQUENCE NUMBERING CODE

SGN-TS-01-N

- SIGN
- MOUNTING TYPE
  - LP - LIGHT POLE
  - TR - TRUSS
  - BR - BRIDGE MOUNTED
  - TS - TELESCOPING STEEL
  - BS - BREAKAWAY STEEL
  - WP - WOOD POST
- SIGN PANEL NUMBER
- REMOVED (R)
- PROPOSED (P)
- REMAIN (N)
- RELOCATE (L)

$PMK-07

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -
		DRAWN - JP	REVISED -
	PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=50' | SHEET 7 OF 8 SHEETS | STA. 24+00.00 TO STA. 27+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	540

CONTRACT NO. 68B46

ILLINOIS | FED. AID PROJECT NHPP-YRP3(905)

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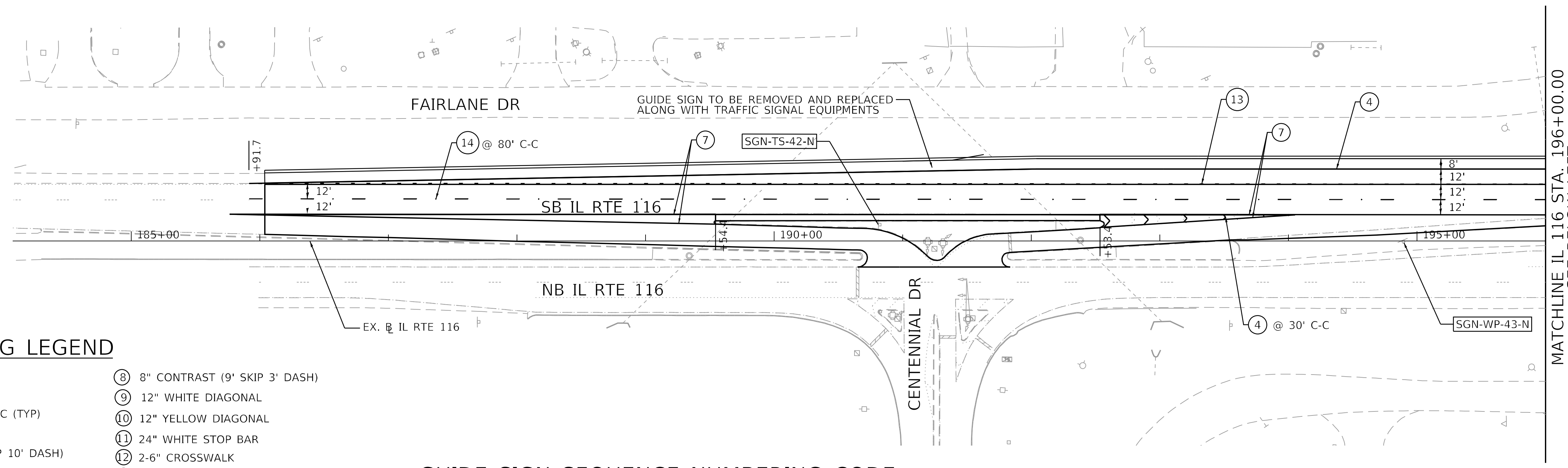
FINAL SUBMITTAL



PAVEMENT MARKING LEGEND

1. LETTERS AND ARROWS (TYP)
2. 4" YELLOW SOLID LINE
3. 4" DOUBLE YELLOW @ 11" C-C (TYP)
4. 4" WHITE SOLID LINE
5. 6" WHITE LANE LINE (30' SKIP 10' DASH)
6. 6" WHITE SOLID LINE
7. 8" WHITE SOLID LINE
8. 8" CONTRAST (9' SKIP 3' DASH)
9. 12" WHITE DIAGONAL
10. 12" YELLOW DIAGONAL
11. 24" WHITE STOP BAR
12. 2-6" CROSSWALK
13. 8" WHITE (9' SKIP 3' DASH)
14. RAISED REFLECTIVE
15. 8" CONTRAST (30' SKIP 10' DASH)

GUIDE SIGN SEQUENCE NUMBERING CODE

SGN-TS-01-N

- SIGN
- MOUNTING TYPE
  - LP - LIGHT POLE
  - TR - TRUSS
  - BR - BRIDGE MOUNTED
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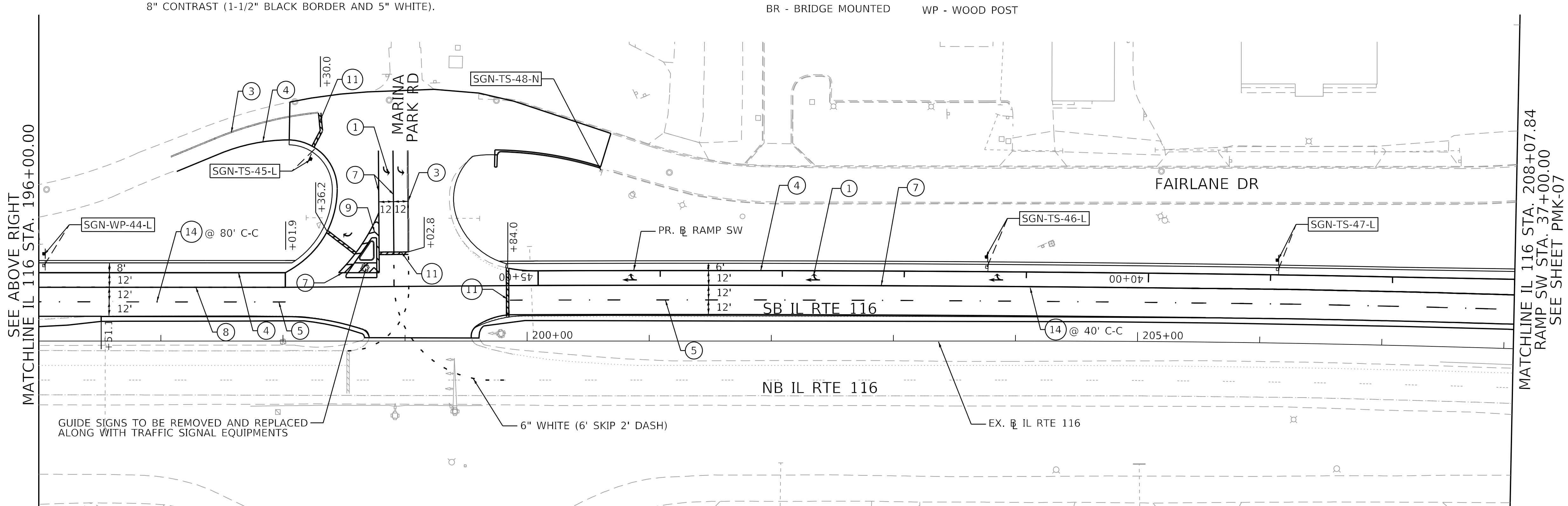
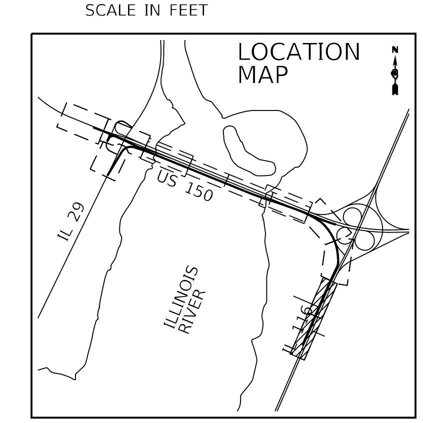
  - BS - BREAKAWAY STEEL
  - WP - WOOD POST
- SIGN PANEL NUMBER
- REMOVED (R)
- PROPOSED (P)
- REMAIN (N)
- RELOCATE (L)

NOTES:

1. PAVEMENT MARKINGS WITHIN THE HMA LIMITS ARE MODIFIED URETHANE.
2. PAVEMENT MARKINGS WITHIN THE PCC LIMITS ARE PREFORMED PLASTIC.
3. CENTERLINE ON HMA WILL BE 6" WHITE. CENTERLINE ON PCC WILL BE 8" CONTRAST (1-1/2" BLACK BORDER AND 5" WHITE).





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MILLENNIA PROFESSIONAL SERVICES www.mps-il.com

USER NAME = rwatson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=50' | SHEET 8 OF 8 SHEETS | STA. 184+00.00 TO STA. 208+07.84

PMK-08

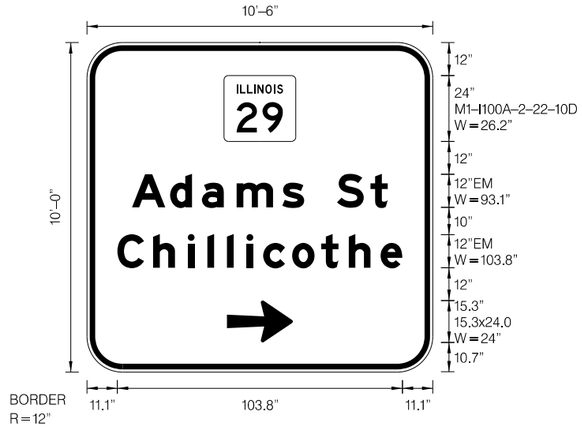
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	TAZEWELL	1361	541

CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

SIGN DETAIL

1:50



SIGN NUMBER	SGN–BS–103–P
WIDTH x HGHT.	10'–6" x 10'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1–I100A–2–22–10D		49.9	84	26.2	24
AR_Type A	270	51	10.8	15.3	24

Panel Style: Green14x13.5.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

A	d	a	m	s		S	t																										LENGTH	SERIES-SIZE
16.4	30.3	41.9	54.6	71.2	79.1	91.1	103.3																										93.1	EM 2000 12/9
C	h	i	l	l	i	c	o	t	h	e																								
11.1	24.1	36.8	43.9	51	58.2	64.2	74.7	85.4	95.4	107																							103.8	EM 2000 12/9

MODEL: Default
FILE NAME: pw:\\sjh-svr306.hanson.dom:Hanson Projects\Documents\13H0106\Phase-II\CADD\Road\Sheet\D34MCCEB-sht-PMKP09-Sign_Det01-RIL.dgn

FINAL SUBMITTAL

MILLENNIA PROFESSIONAL SERVICES
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USER NAME = rwatson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 230.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

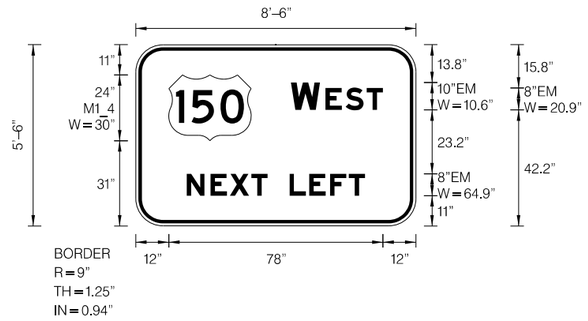
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR		1361	542
			CONTRACT NO. 68B46	
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

SIGN DETAIL

1:50



SIGN NUMBER	SGN–BR–104–P
WIDTH x HGHT.	8'–6" x 5'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	12	31	30	24

Panel Style: SGN–OH–33C.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																		LENGTH	SERIES-SIZE
W	E	S	T																																EM 2000
56.5	69.1	76.4	84.1																															33.5	10,8
N	E	X	T		L	E	F	T																											EM 2000
18.5	27.2	34.3	42.1	48	56	63.2	70.8	77.6																										64.9	8

FINAL SUBMITTAL

MODEL: Default
FILE NAME: pw:\\sjh-svr306.hanson.dom:Hanson Projects\Documents\13H0106\Phase-II\CAD\Road\Sheet\D4MCCEB-sht-PMKPr10-Sign_Det02-RII.dgn

SGNDET2

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -
		DRAWN - JP	REVISED -
	PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

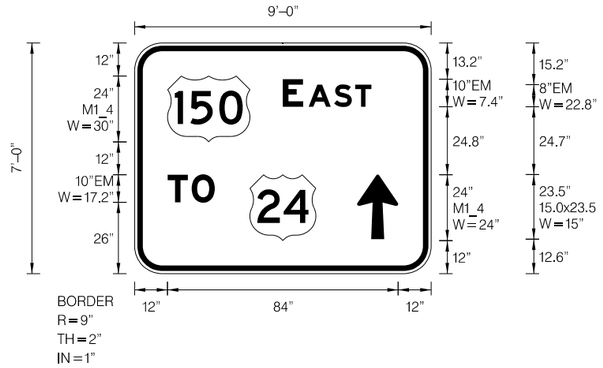
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

SCALE: | SHEET 2 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	543
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

SIGN DETAIL

1:50



SIGN NUMBER	SGN–BS–105–P
WIDTH x HGHT.	9'–0" x 7'–0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	12	48	30	24
M1_4	0	42	12	24	24
AR_Type A	0	81.1	12.6	15	23.5

Panel Style: Green14x9.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																		LENGTH	SERIES-SIZE
E	A	S	T																																EM 2000
54	63.4	72.7	80.3																															32.2	10,8
T	O																																		EM 2000
12	20.8																																	17.2	10

FINAL SUBMITTAL

MODEL: Default
FILE NAME: pw:\\sjh-svr306.hanson.dom:Hanson Projects\Documents\13h0106\Phase-II\CADD\Road\Sheet\D4MCCEB-sht-PMKPr11-Sign_Det03-RIII.dgn

SGNDET3

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - JP	REVISED -	
	PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -	
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -	

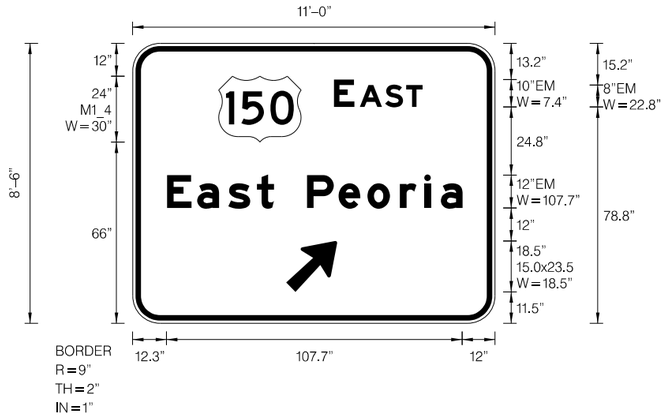
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

SCALE: | SHEET 3 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	544
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

SIGN DETAIL

1:50



Panel Style: Green14x9.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN–BS–107–P
WIDTH x HGHT.	11'–0" x 8'–6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	31.3	66	30	24
AR_Type A	315	56	11.5	15	23.5

LETTER POSITIONS (X)

																																	LENGTH	SERIES-SIZE
E	A	S	T																																EM 2000
73.3	82.7	92	99.7																															32.2	10,8
E	a	s	t		P	e	o	r	i	a																										EM 2000
12.3	23.3	34.7	45.1	51.3	63.3	74.8	85.3	97.2	106	112.1																									107.7	12/9

FINAL SUBMITTAL

MODEL: Default
FILE NAME: pw:\\sjh-svr306.hanson.dom:Hanson Projects\Documents\13H0106\Phase-II\CADD\Road\Sheet\D4MCCEB-sht-PMKPr12-Sign_Det04-RIII.dgn

SGNDET4

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USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

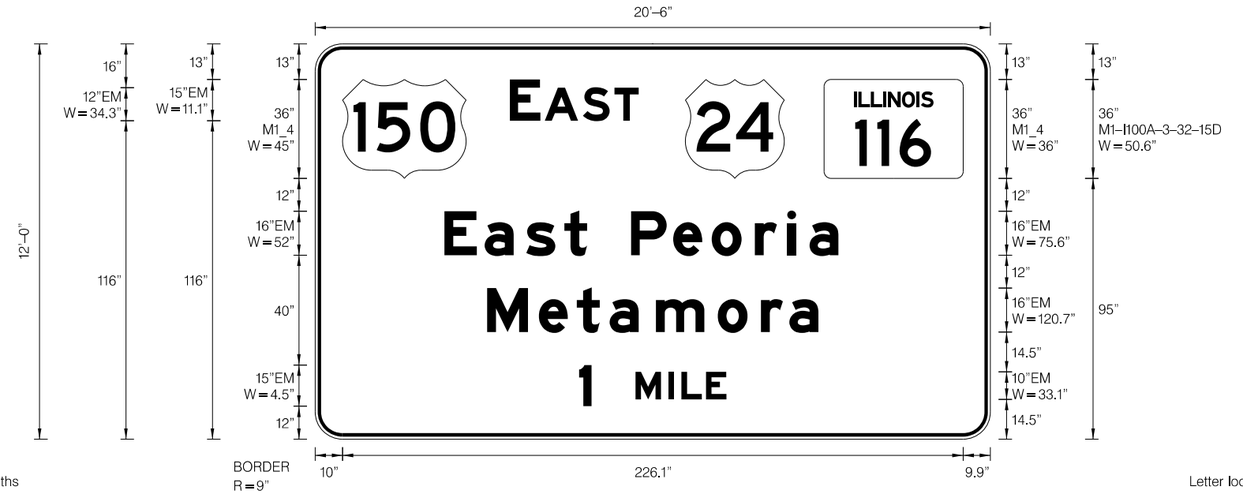
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

SCALE: | SHEET 4 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	545
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

SIGN DETAIL

1:50



Panel Style: SGN–OH–33C.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN–BR–112–P
WIDTH x HGHT.	20'–6" x 12'–0"
BORDER WIDTH	1.25"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	10	95	45	36
M1_4	0	134.9	95	36	36
M1–I100A–3–32–15D	0	185.4	95	50.6	36

LETTER POSITIONS (X)

								LENGTH	SERIES/SIZE
E	A	S	T						EM 2000
71	83.7	97.5	109					47	15,12
E	a	s	t						EM 2000
47.1	61.8	76.9	90.8					52	16/12
P	e	o	r	i	a				EM 2000
115.1	130.4	144.5	160.2	172	180.1			75.6	16/12
M	e	t	a	m	o	r	a		EM 2000
62.7	81.5	95.4	107.3	124.2	146.7	162.4	172.8	120.7	16/12
M	I	L	E						EM 2000
116.7	128.7	133.5	142.4					33.1	10
1									EM 2000
96.2								4.5	15

FINAL SUBMITTAL

MODEL: Default
FILE NAME: pw:\\spi-svr306.hanson.dom:Hanson Projects\Documents\13Jobs\13H0106\Phase-II\CAD\Road\Sheet\D4MCCEB-sht-PMKPr13-Sign_Det05-MIL.dgn

SGNDET5

MILLENNIA
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USER NAME = rwatson	DESIGNED - TN	REVISED -	
	DRAWN - JP	REVISED -	
PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -	
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

SCALE: | SHEET 5 OF 11 SHEETS | STA. | TO STA.

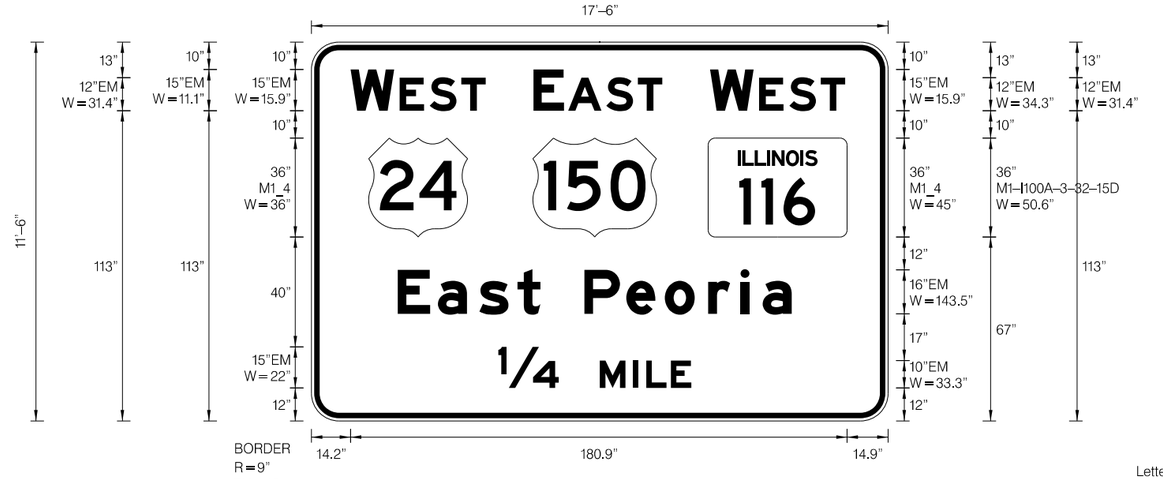
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	546

CONTRACT NO. 68B46

ILLINOIS | FED. AID PROJECT | NHPP-YRP3(905)

SIGN DETAIL

1:50



Panel Style: Green14x9.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN–BS–115–P	
WIDTH x HGHT.	17'–6" x 11'–6"	
BORDER WIDTH	2"	
CORNER RADIUS	9"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	20.8	67	36	36
M1_4	0	80.6	67	45	36
M1–I100A–3–32–15D	0	144.5	67	50.6	36

LETTER POSITIONS (X)																																					LENGTH	SERIES/SIZE
W	E	S	T																																			EM 2000
14.2	32.1	43.1	54.6																																		49.3	15,12
E	A	S	T																																			EM 2000
80.8	93.5	107.4	118.9																																		47	15,12
W	E	S	T																																			EM 2000
145.2	163.1	174.1	185.5																																		49.3	15,12
E	a	s	t		P	e	o	r	i	a																												EM 2000
31.4	46.1	61.2	75.1	83.4	99.4	114.7	128.7	144.5	156.3	164.4																											143.5	16/12
1/4	M	I	L	E																																		EM 2000
68.1	105	117.1	121.9	130.9																																	70.3	15,10

SGNDET6

FINAL SUBMITTAL

MODEL: Default
FILE NAME: pw:\\spi-svr306.hanson.dom:Hanson Projects\Documents\13\Jobs\13H0106\Phase-II\CAD\Road\Sheet\D4MCCEB-sht-PMKPr14-Sign Det06-MIL.dgn

MILLENNIA PROFESSIONAL SERVICES
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USER NAME = rwatson
PLOT SCALE = 230.00 ' / in.
PLOT DATE = 11/28/2018

DESIGNED - TN
DRAWN - JP
CHECKED - TN
DATE - 11/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

SCALE: SHEET 6 OF 11 SHEETS STA. TO STA.

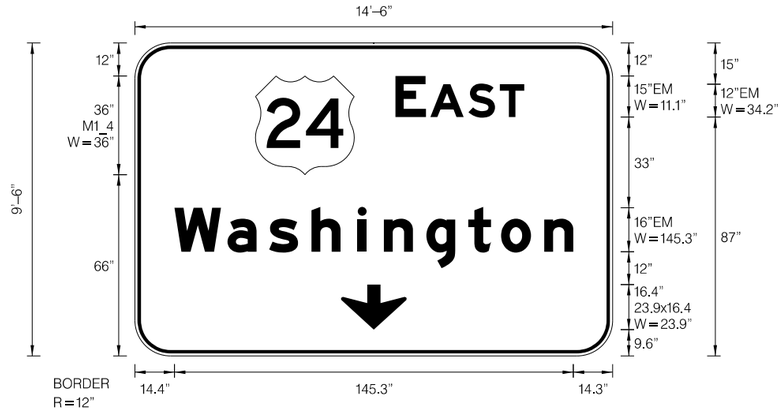
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	547

CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

SIGN DETAIL

1:50



BORDER
R=12"
TH=1.25"
IN=0.94"

Panel Style: OHgreen17x14.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN–TR–118A–P
WIDTH x HGHT.	14'–6" x 9'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	43.9	66	36	36
ARDOWN	0	75.1	9.6	23.9	16.4

LETTER POSITIONS (X)

																																		LENGTH	SERIES/SIZE
E	A	S	T																																	EM 2000
94.9	107.6	121.5	133																																46.9	15,12
W	a	s	h	i	n	g	t	o	n																											EM 2000
14.4	33.8	48.9	64.3	81.2	90.7	106.1	121.4	133.4	149.1																										145.3	16/12

SGNDET7

MILLENNIA PROFESSIONAL SERVICES
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USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

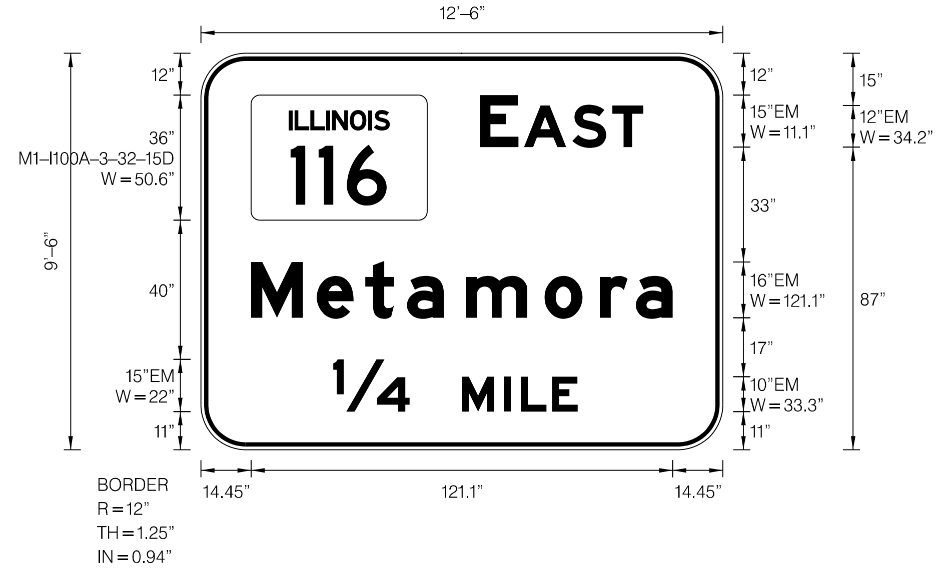
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

SCALE: | SHEET 7 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	548
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

SIGN DETAIL

1:50



Panel Style: OHgreen17x14.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN–TR–118B–P
WIDTH x HGHT.	12'–6" x 9'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1–I100A–3–32–15D	0	14.4	66	50.6	36

LETTER POSITIONS (X)

									LENGTH	SERIES/SIZE
E	A	S	T							EM 2000
80.2	92.9	106.8	118.3						46.9	15,12
M	e	t	a	m	o	r	a			EM 2000
14.4	33.3	47.2	59.2	76.2	98.8	114.6	125		121.1	16/12
1/4	M	I	L	E						EM 2000
38	75	87.1	91.9	100.9					70.3	15,10

FINAL SUBMITTAL

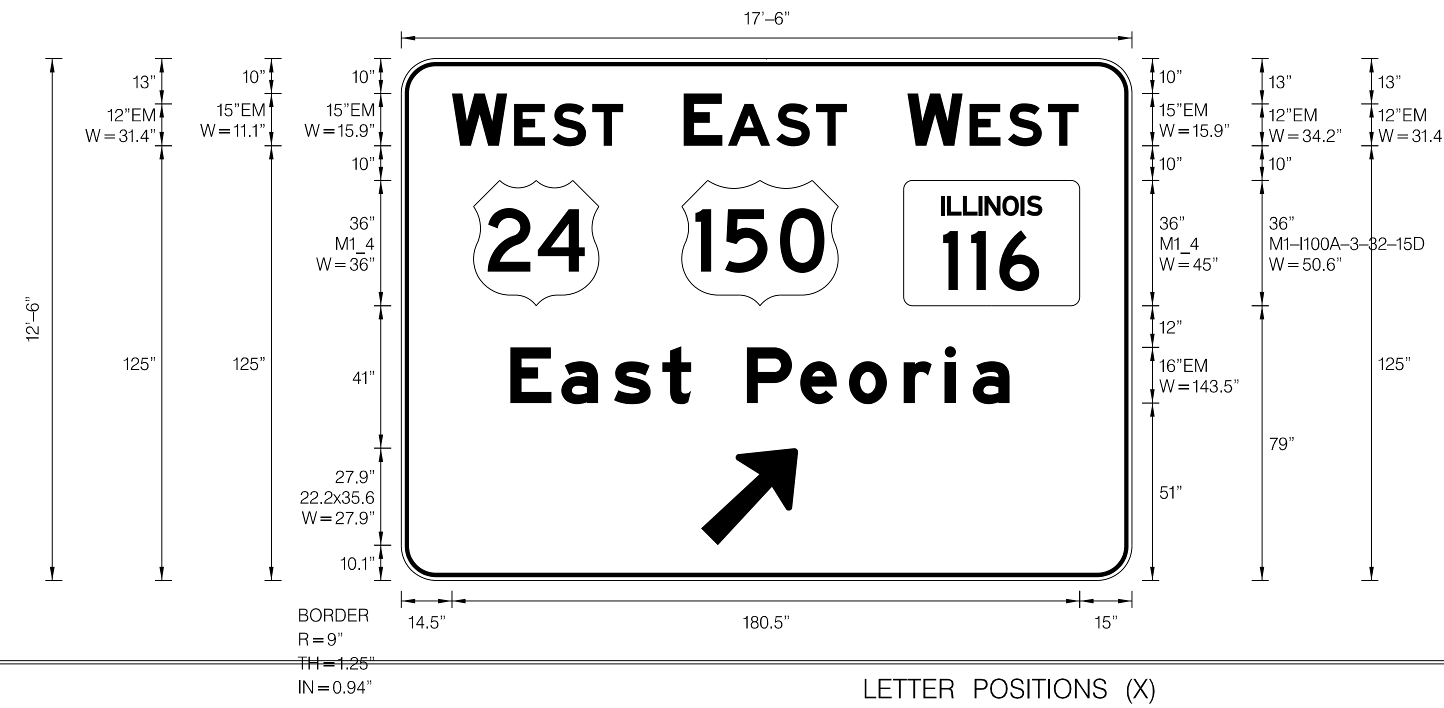
MODEL: Default
FILE NAME: pw:\\ipl-svr306.hanson.dom:Hanson Projects\Documents\13Jobs\13H0106\Phase-II\CAD\Road\Sheets\D4MCCEB-sht-PMKPt16-Sign Det08-MIL.dgn

SGNDET8

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT SIGNING DETAILS - MAJOR PANEL	F.A.P RTE. 317	SECTION [15B;[(102-1),(14HB)]BR]BR
		DRAWN - JP	REVISED -			COUNTY PEORIA	TOTAL SHEETS 1361 / SHEET NO. 549
	PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -			CONTRACT NO. 68B46	
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -		SCALE: SHEET 8 OF 11 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)

SIGN DETAIL

1:50



Panel Style: SGN-OH-33C.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SGN-TR-118C-P
WIDTH x HGHT.	17'-6" x 12'-6"
BORDER WIDTH	1.25"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	20.8	79	36	36
M1_4	0	80.6	79	45	36
M1-I100A-3-32-15D	0	144.4	79	50.6	36
AR_Type B	315	86.1	10.1	22.2	35.6

LETTER POSITIONS (X)

																																					LENGTH	SERIES/SIZE
W	E	S	T																																			EM 2000
14.5	32.4	43.4	54.9																																		49.3	15,12
E	A	S	T																																			EM 2000
81.2	93.9	107.7	119.2																																		46.9	15,12
W	E	S	T																																			EM 2000
145.5	163.4	174.4	185.9																																		49.3	15,12
E	a	s	t		P	e	o	r	i	a																												EM 2000
31.3	46	61.1	75	83.3	99.3	114.6	128.7	144.4	156.2	164.3																											143.5	16/12

SGNDET9

FINAL SUBMITTAL

MODEL: Default
FILE NAME: pw:\\ispl-svr306.hanson.dom:Hanson_Projects\Documents\13Jobs\13H0106\Phase-II\CAD\Road\Sheet\D4MCCEB-sht-PMKPr17-Sign_Det09-MIL.dgn

MILLENNIA PROFESSIONAL SERVICES
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USER NAME = rwatson	DESIGNED - TN	REVISED -	
	DRAWN - JP	REVISED -	
PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -	
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

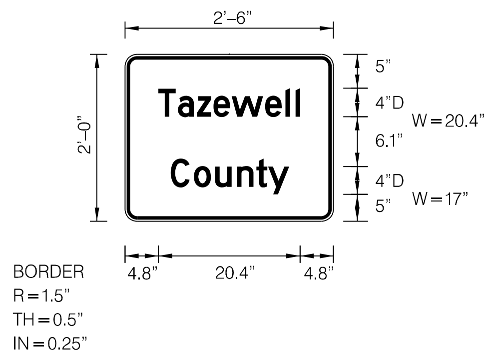
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MAJOR PANEL

SCALE: | SHEET 9 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA	1361	550
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

SIGN DETAIL

1:12.5



SIGN NUMBER	SGN–BR–113–P	
WIDTH x HGHT.	2'–6" x 2'–0"	
BORDER WIDTH	0.5"	
CORNER RADIUS	1.5"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT

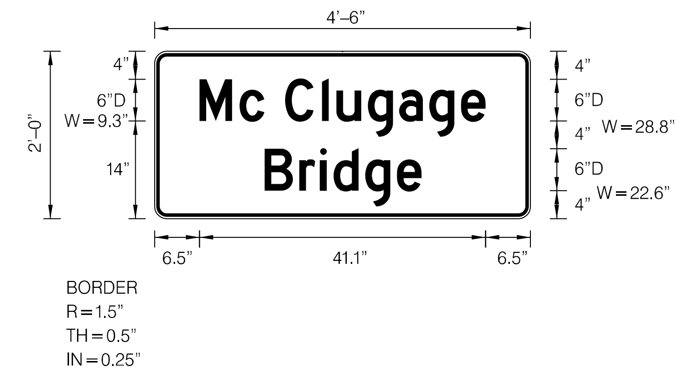
Dimensions are in inches.tenths

LETTER POSITIONS (X)

														LENGTH	SERIES/SIZE
T	a	z	e	w	e	l	l								D 2000
4.8	7.6	10.4	12.7	15.3	20.2	23.1	24.5							20.4	4/3
C	o	u	n	t	y										D 2000
6.6	9.9	13	16.1	18.9	20.6									17	4/3

SIGN DETAIL

1:12.5



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BORDER WIDTH	0.5"	
CORNER RADIUS	1.5"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT

Dimensions are in inches.tenths

LETTER POSITIONS (X)

														LENGTH	SERIES/SIZE
M	c	C	l	u	g	a	g	e							D 2000
6.5	12.2	18.8	24	26.1	30.6	35.1	39.5	44						41.1	6/4.5
B	r	i	d	g	e										D 2000
15.8	20.8	23.8	25.7	30.3	34.8									22.6	6/4.5

SGNDET10

FINAL SUBMITTAL

MODEL: Default
FILE NAME: pw:\\spi-svr306.hanson.dom:Hanson Projects\Documents\13Jobs\13H0106\Phase-II\CAD\Road\Sheet\D4MCCEB-sht-PMKPr18-Sign_Det10-MIL.dgn

MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

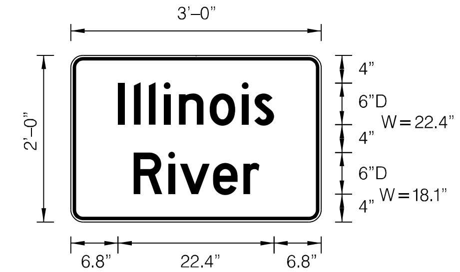
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIGNING DETAILS - MINOR PANEL

SCALE: | SHEET 10 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	551
		CONTRACT NO. 68B46		
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

SIGN DETAIL

1:12.5



BORDER
R=1.5"
TH=0.5"
IN=0.25"

SIGN NUMBER	SGN–LP–125B–P	
WIDTH x HGHT.	3'–0" x 2'–0"	
BORDER WIDTH	0.5"	
CORNER RADIUS	1.5"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT

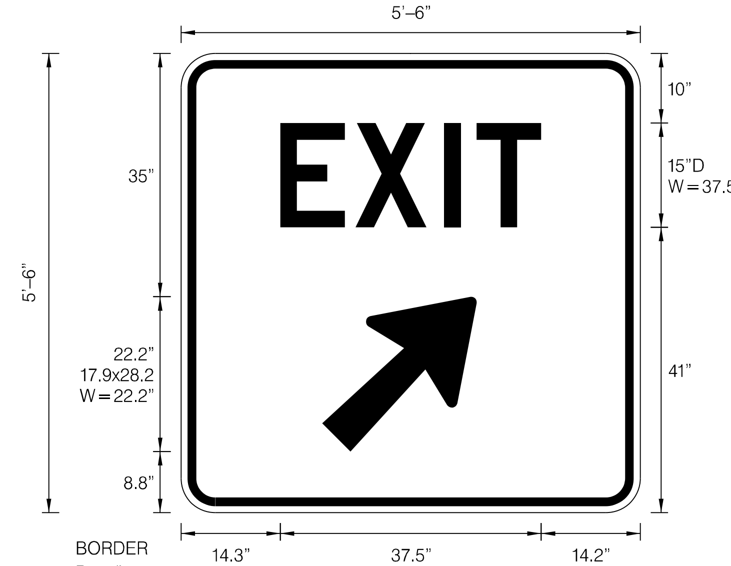
Dimensions are in inches.tenths

LETTER POSITIONS (X)

															LENGTH	SERIES/SIZE
I	l	l	i	n	o	i	s									D 2000
6.8	9.1	11.2	13.4	15.5	20	24.6	26.4								22.4	6/4.5
R	i	v	e	r												D 2000
9.1	14	15.7	20.5	24.8											18.1	6/4.5

SIGN DETAIL

1:12.5



BORDER
R=4"
TH=1.25"
IN=0.94"

SIGN NUMBER	SGN–WP–1120–P	
WIDTH x HGHT.	5'–6" x 5'–6"	
BORDER WIDTH	1.25"	
CORNER RADIUS	4"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	315	20.3	8.8	17.9	28.2

Dimensions are in inches.tenths

LETTER POSITIONS (X)

															LENGTH	SERIES/SIZE
E	X	I	T													D 2000
14.3	25.1	37.8	42.5												37.5	15

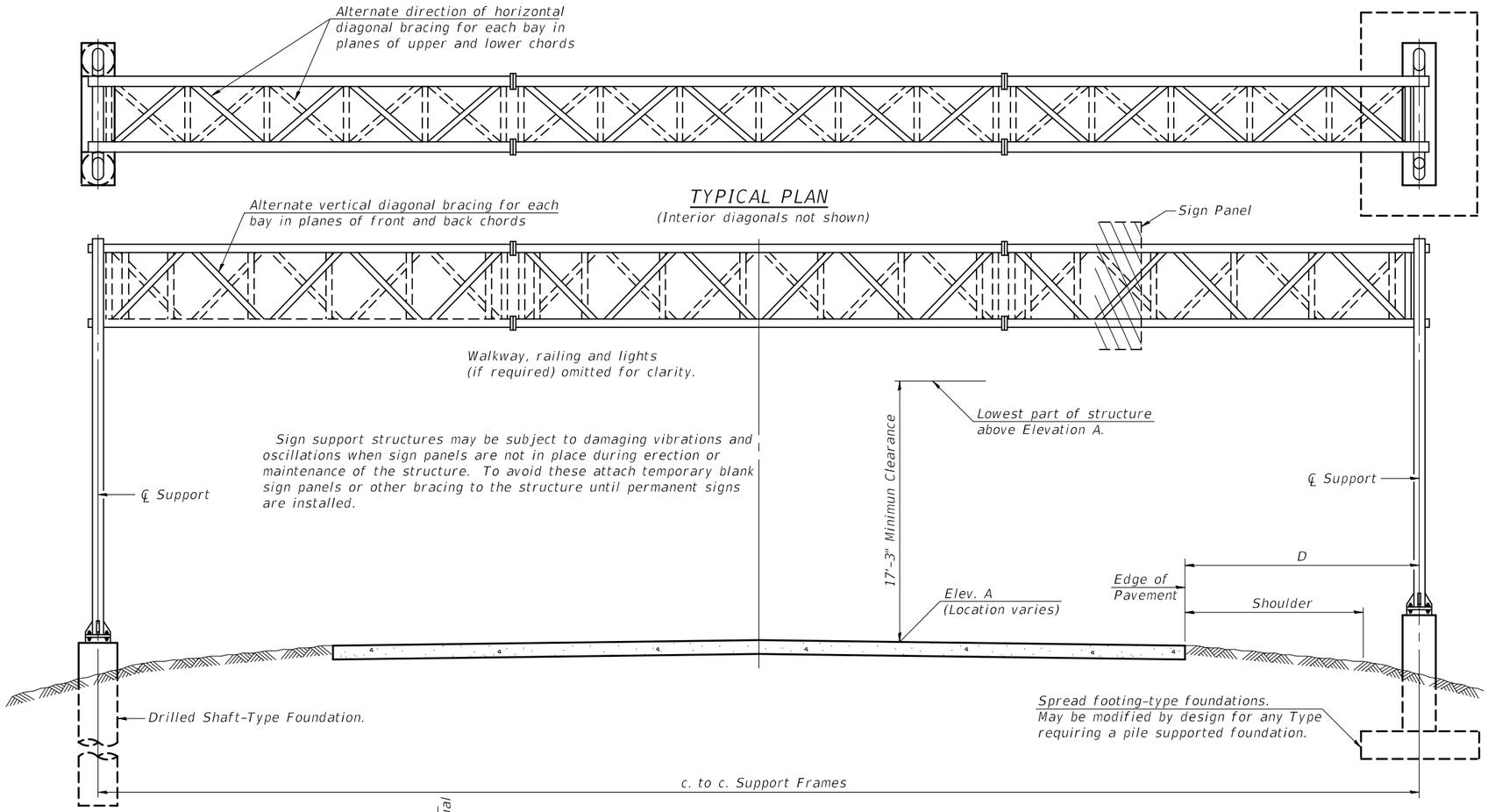
FINAL SUBMITTAL

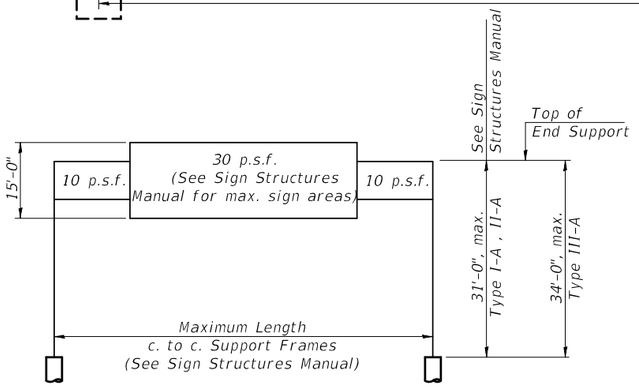
MODEL: Default

SGNDET11

MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT SIGNING DETAILS - MINOR PANEL
		DRAWN - JP	REVISED -		
	PLOT SCALE = 230.00 ' / in.	CHECKED - TN	REVISED -		
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -		SCALE: SHEET 11 OF 11 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	552
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	





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
4B072U150R029.30	2126+87.33	I-A	85'-0"	504.38	29'-3"	12'-0"	246.0 SF

**Looking upstation for structures with signs both sides.

* 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.

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	85'-0"
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	
CONCRETE FOUNDATIONS	Cu. Yds.	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds	

OS-A-1 2-17-2017

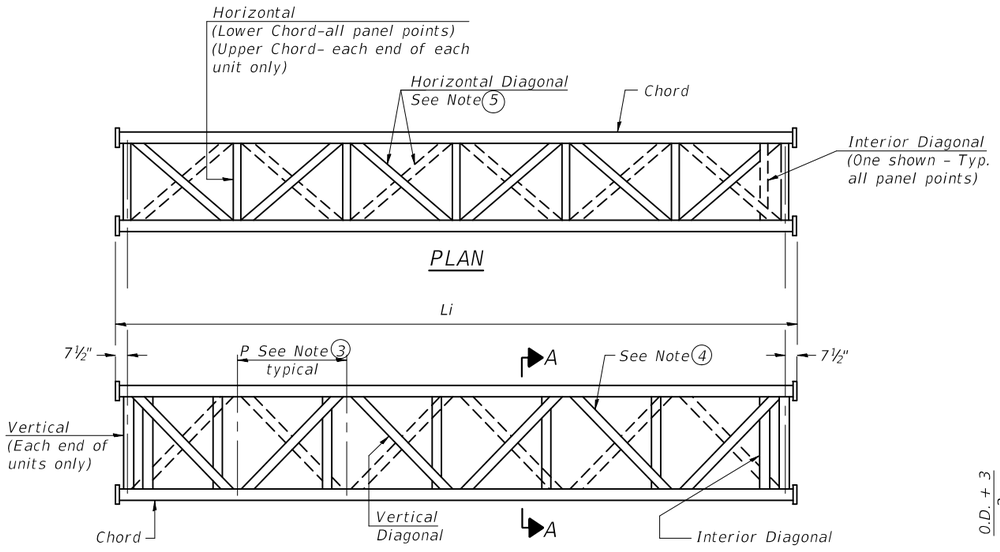
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SHEET NO. 1 OF 6 SHEETS

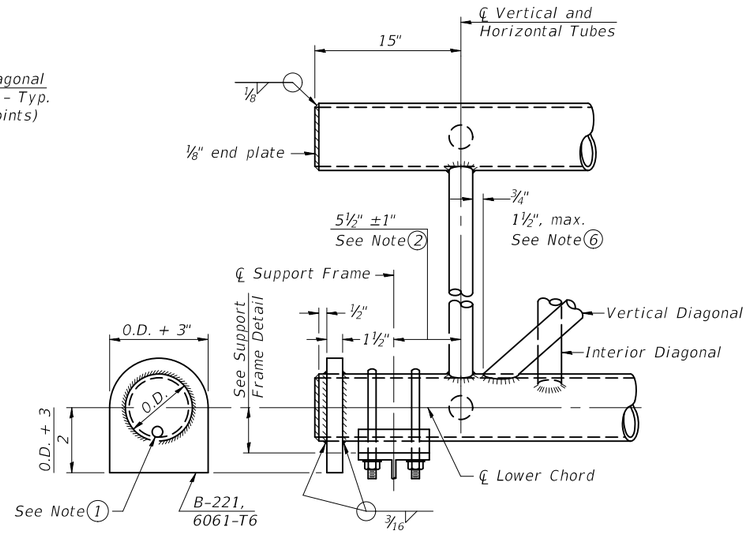
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	553
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT		



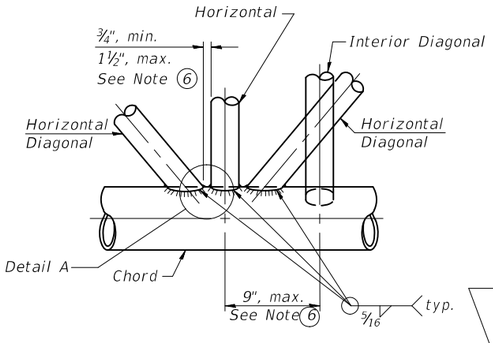
ELEVATION

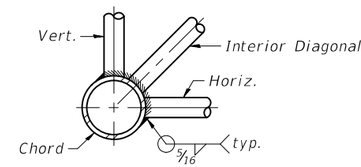
TYPICAL INTERIOR UNIT

Even number of panels/interior unit required.

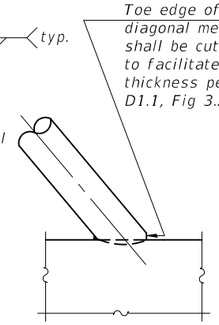


SUPPORT END DETAIL FOR EXTERIOR UNIT

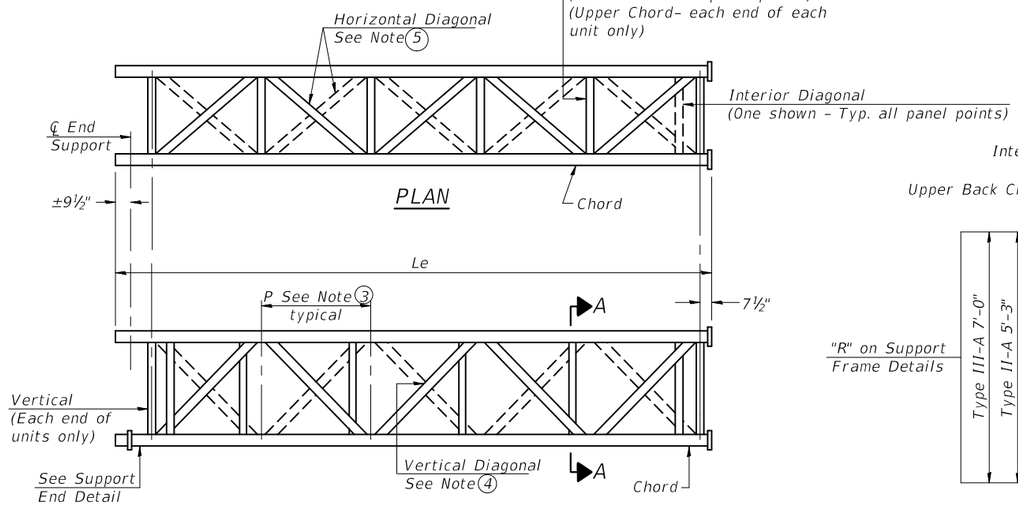




TYPICAL JOINT DETAILS



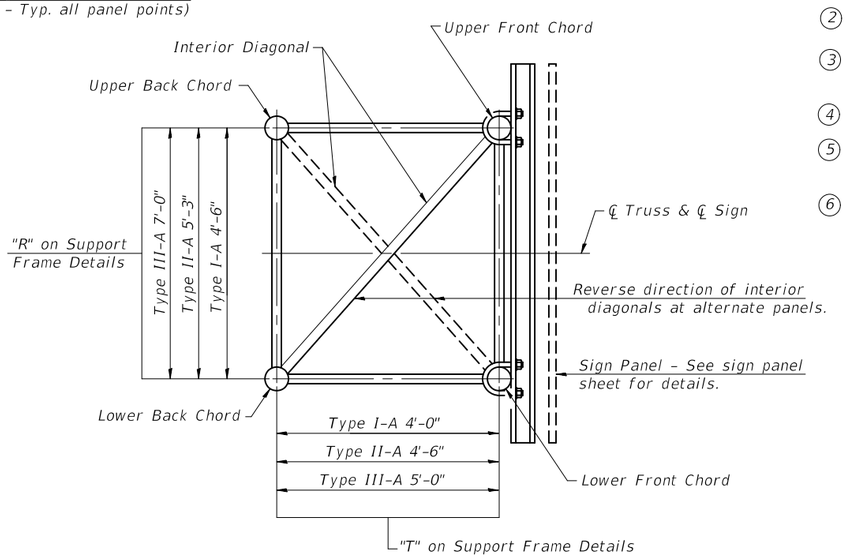
DETAIL A



ELEVATION

TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

1. *Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" Ø drain hole in end plate/drive-fit 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 offset from the panel point based on the following: Offset 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.*

OS-A-2 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

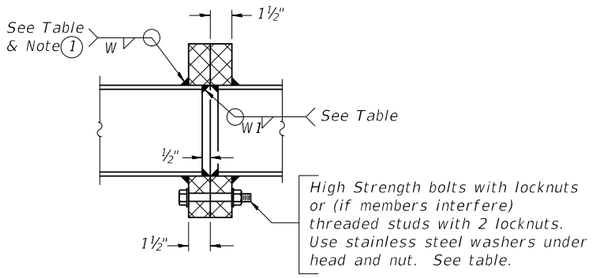
OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I–A, II–A AND III–A

SHEET NO. 2 OF 6 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	554
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

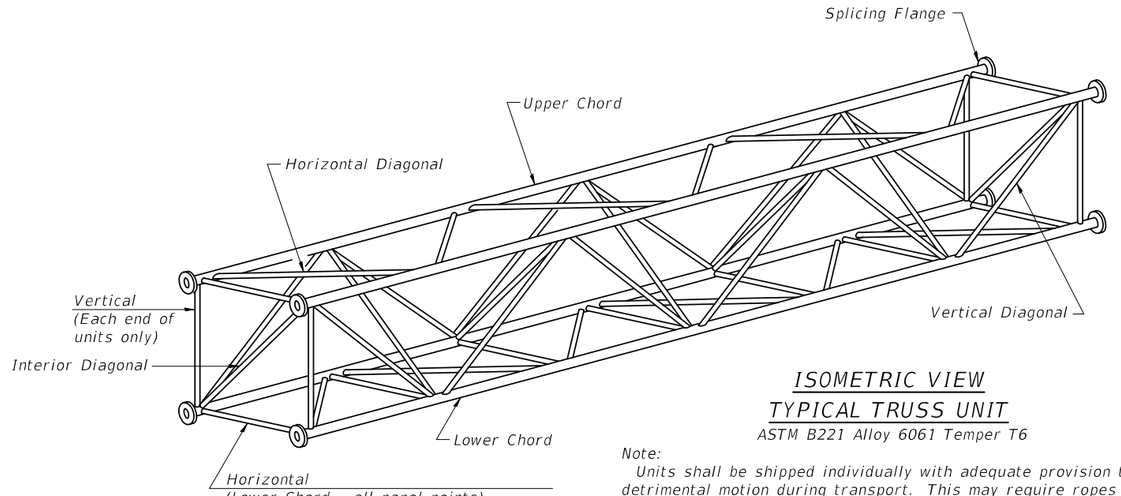
TRUSS UNIT TABLE

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		
4B072U150R029.30	2126+87.33	I-A	6	29'-1 1/2"	4'-6 1/2"	1	6	28'-6"	4'-6 1/2"	5"	5/16"	2 1/2"	5/16"	2 1/2"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"



SECTION B-B

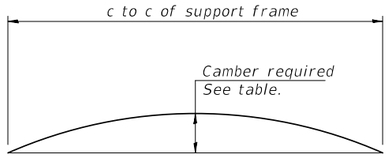
(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining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



ISOMETRIC VIEW
TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

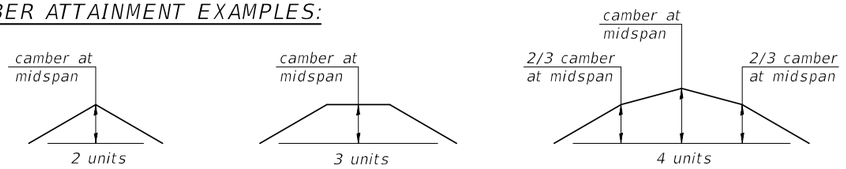
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



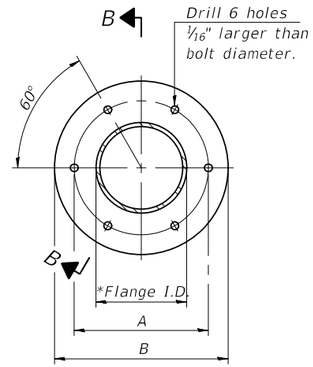
CAMBER DIAGRAM

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

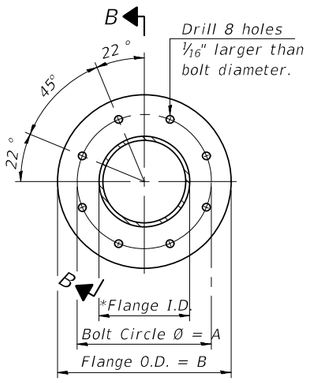
CAMBER ATTAINMENT EXAMPLES:



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 fit O.D. of Chord with maximum gap of 1/16".

OS4-A-2 2-17-2017

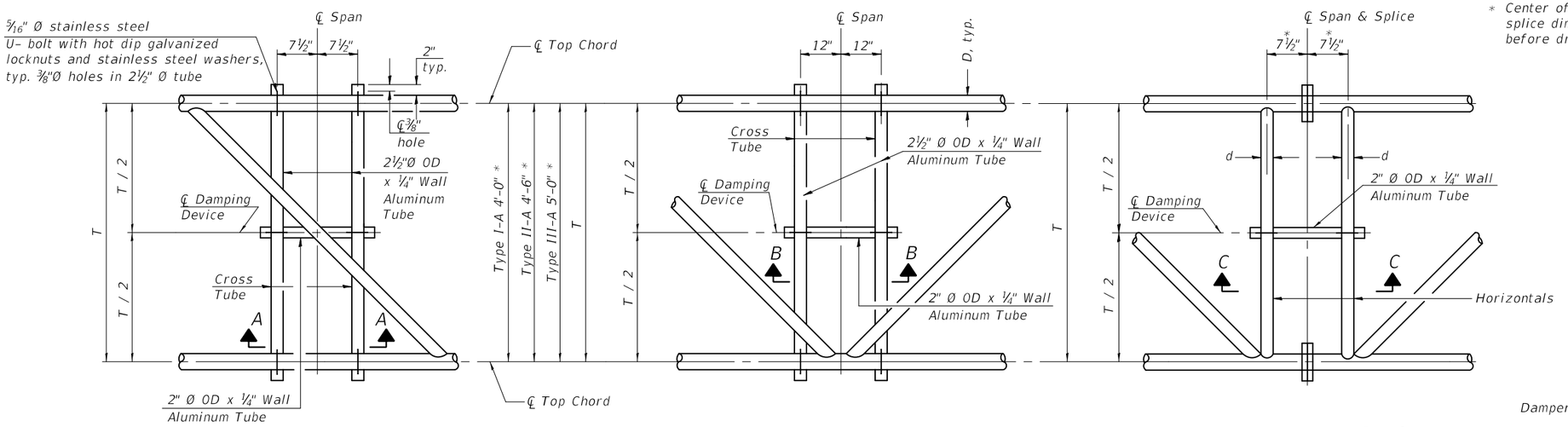
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SHEET NO. 3 OF 6 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	555
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

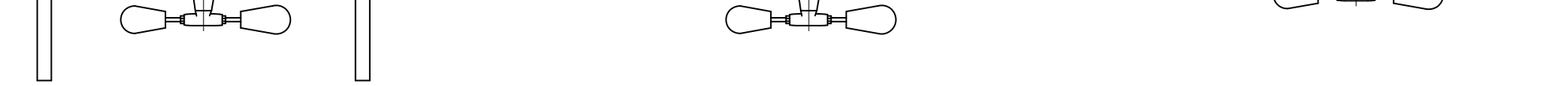


* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
℄ Span between Panel Points

PLAN DETAIL "B"
℄ Span at Panel Point

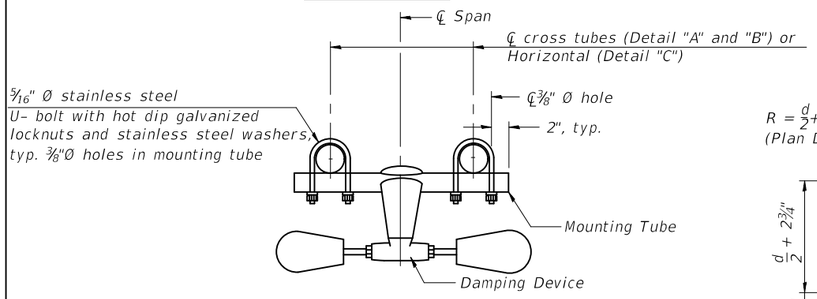
PLAN DETAIL "C"
℄ Span at ℄ Chord Splice



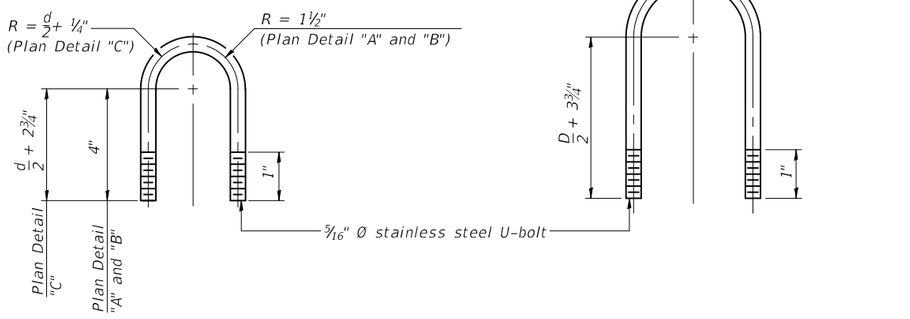
SECTION A-A

SECTION B-B

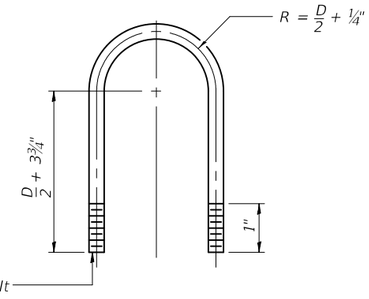
SECTION C-C



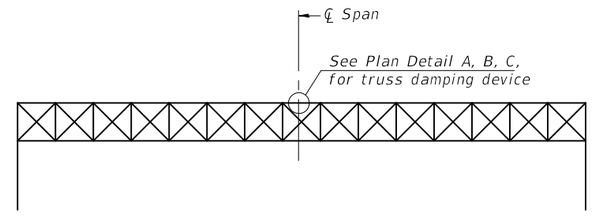
TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



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

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...

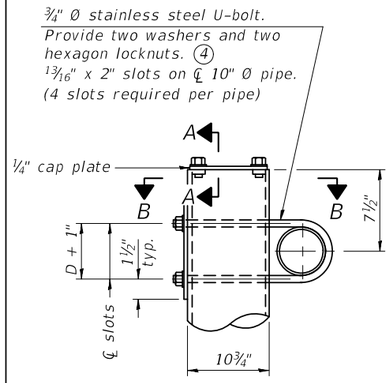
OS-A-D 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

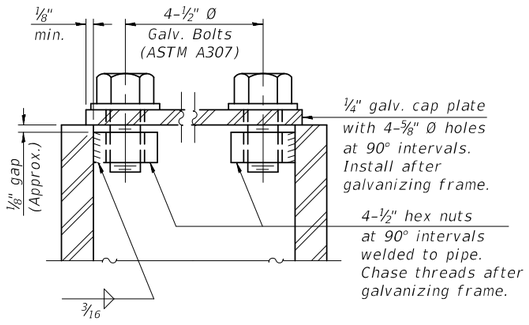
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE
SHEET NO. 4 OF 6 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	556
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

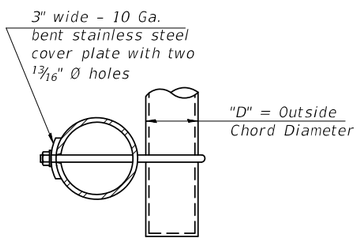


DETAIL A

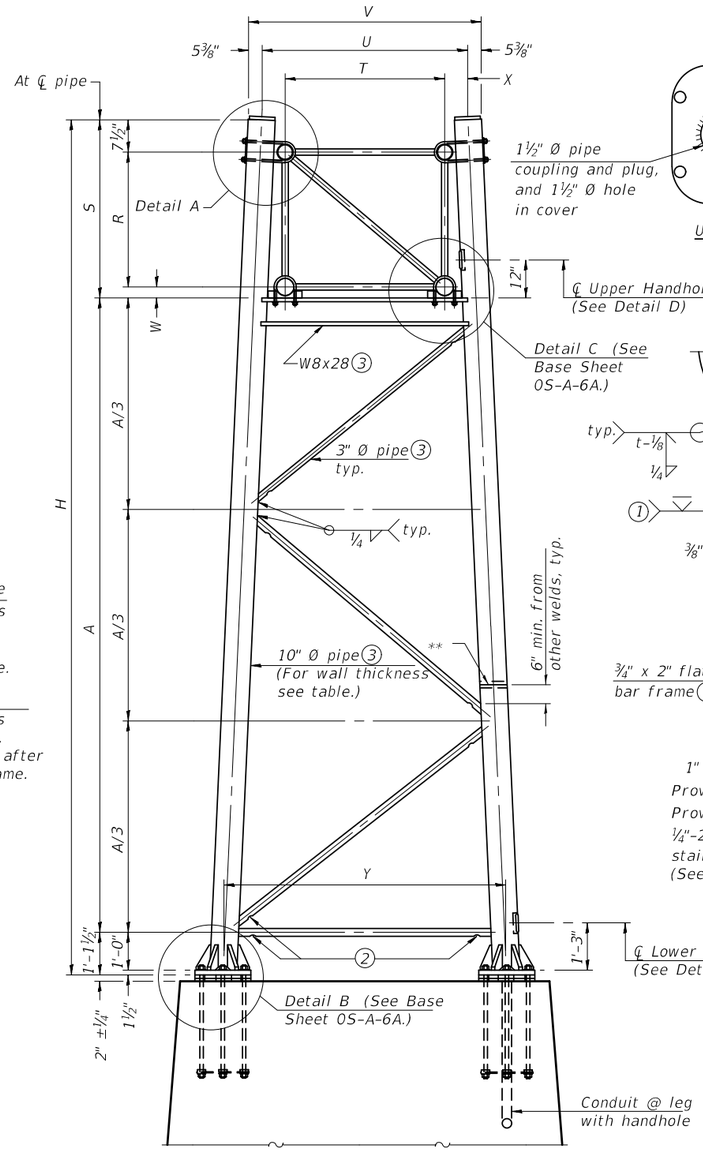


SECTION A-A

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

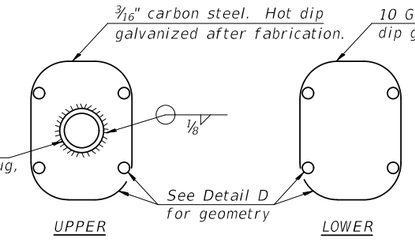


SECTION B-B

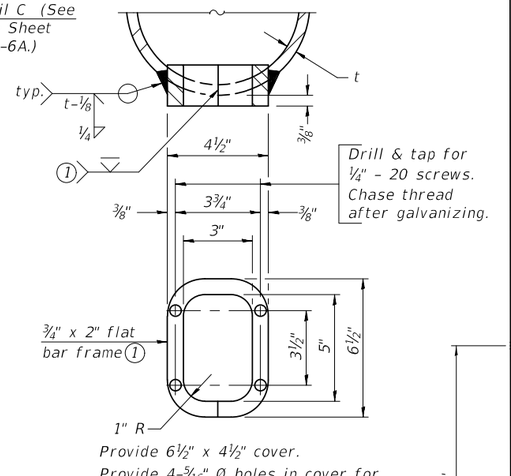


For Foundation Details, see base sheet 0S-F3 (Spread Footing) or 0S4-F3 (Drilled Shaft).

SIDE ELEVATION

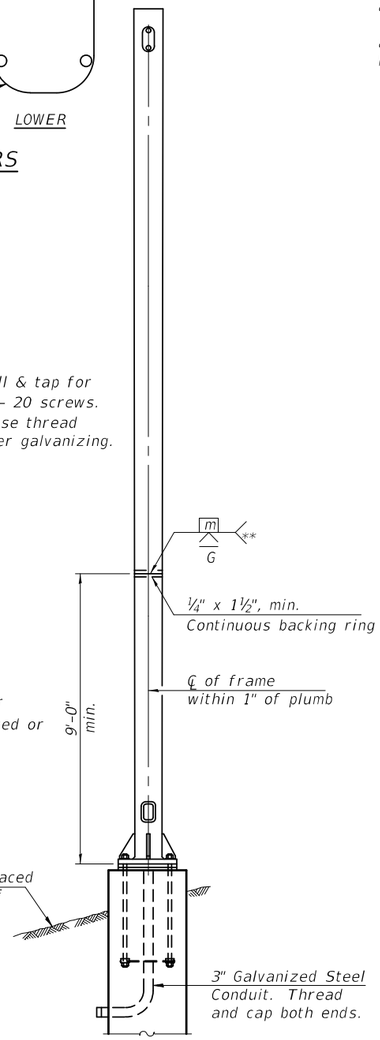


HANDHOLE COVERS



Provide 6½" x 4½" cover.
Provide 4-5/16" Ø holes in cover for ¼"-20 round head hot dip galvanized or stainless steel machine screws. (See cover details)

DETAIL D



END ELEVATION

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 500µ in 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 verified or amended as appropriate.

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

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5½"	4'-0"	5'-6"	6'-4¾"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3¼"	4'-6"	6'-1"	6'-11¾"	4¾"	9½"	8'-3"

10" Ø PIPE TRUSS SUPPORT FRAME

** 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		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
4B072U150R029.30	2126+87.33	26.3'		I-A	0.279	29.0'	22.38'
			58.7'	I-A	0.279	29.0'	22.38'

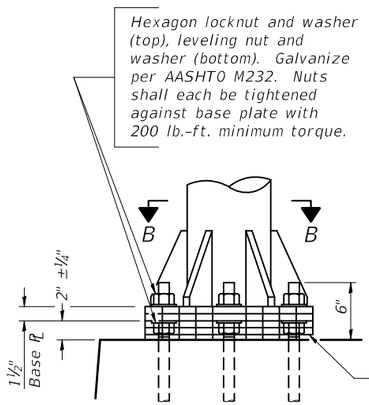
0S-A-6 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

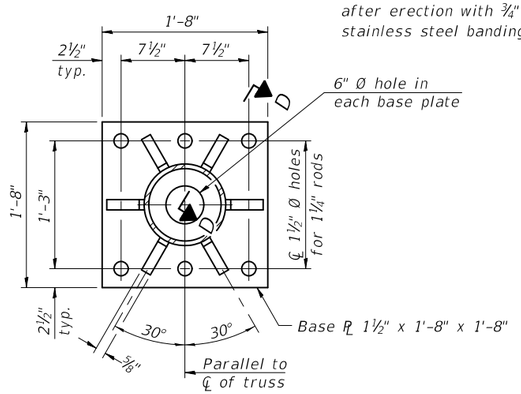
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS
SHEET NO. 5 OF 6 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	557
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

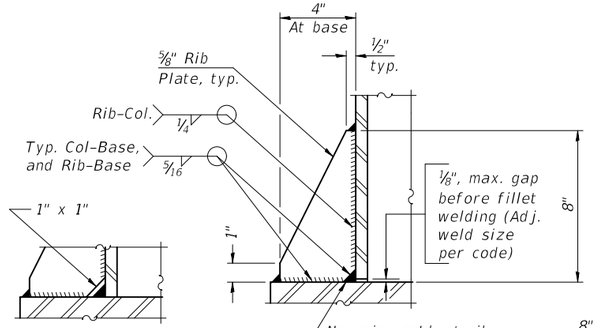


DETAIL B

Ribs shall be cut to fit slope of pipe.

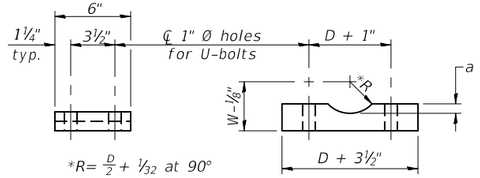


SECTION B-B



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

SECTION D-D



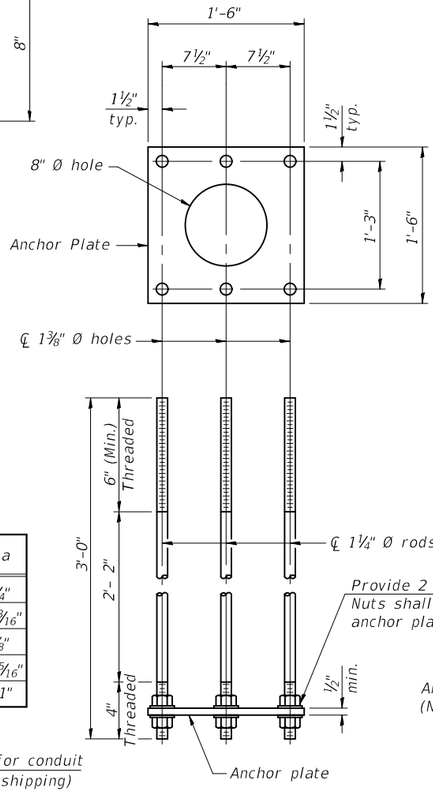
*R= $\frac{D}{2}$ + 1/32 at 90°

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

SADDLE SHIM DETAIL

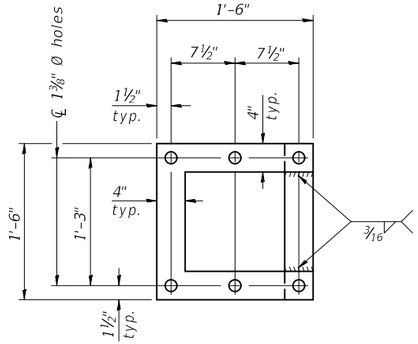
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	¾"
5½"	13/16"
6"	⅞"
6½"	15/16"
7"	1"

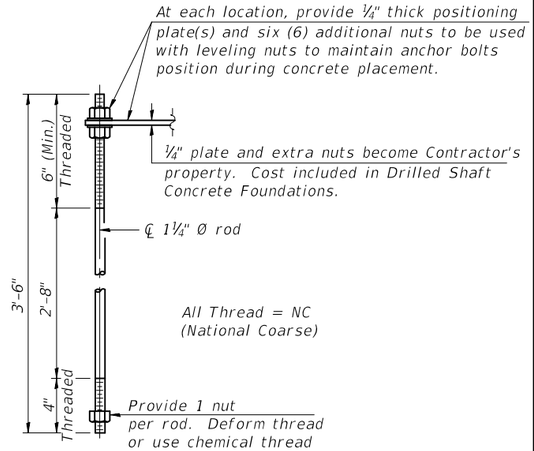


ANCHOR ROD DETAIL

Spread Footing Foundation



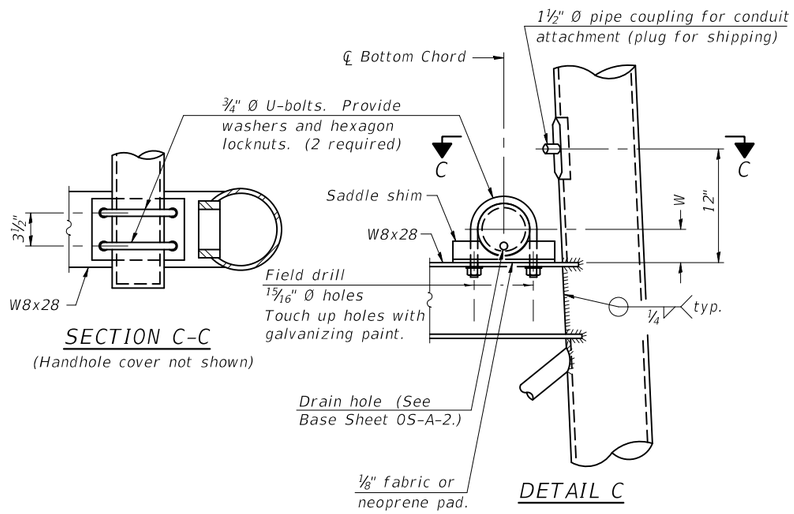
POSITIONING PLATE(S)



ANCHOR ROD DETAIL

Drilled Shaft Foundation

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



SECTION C-C

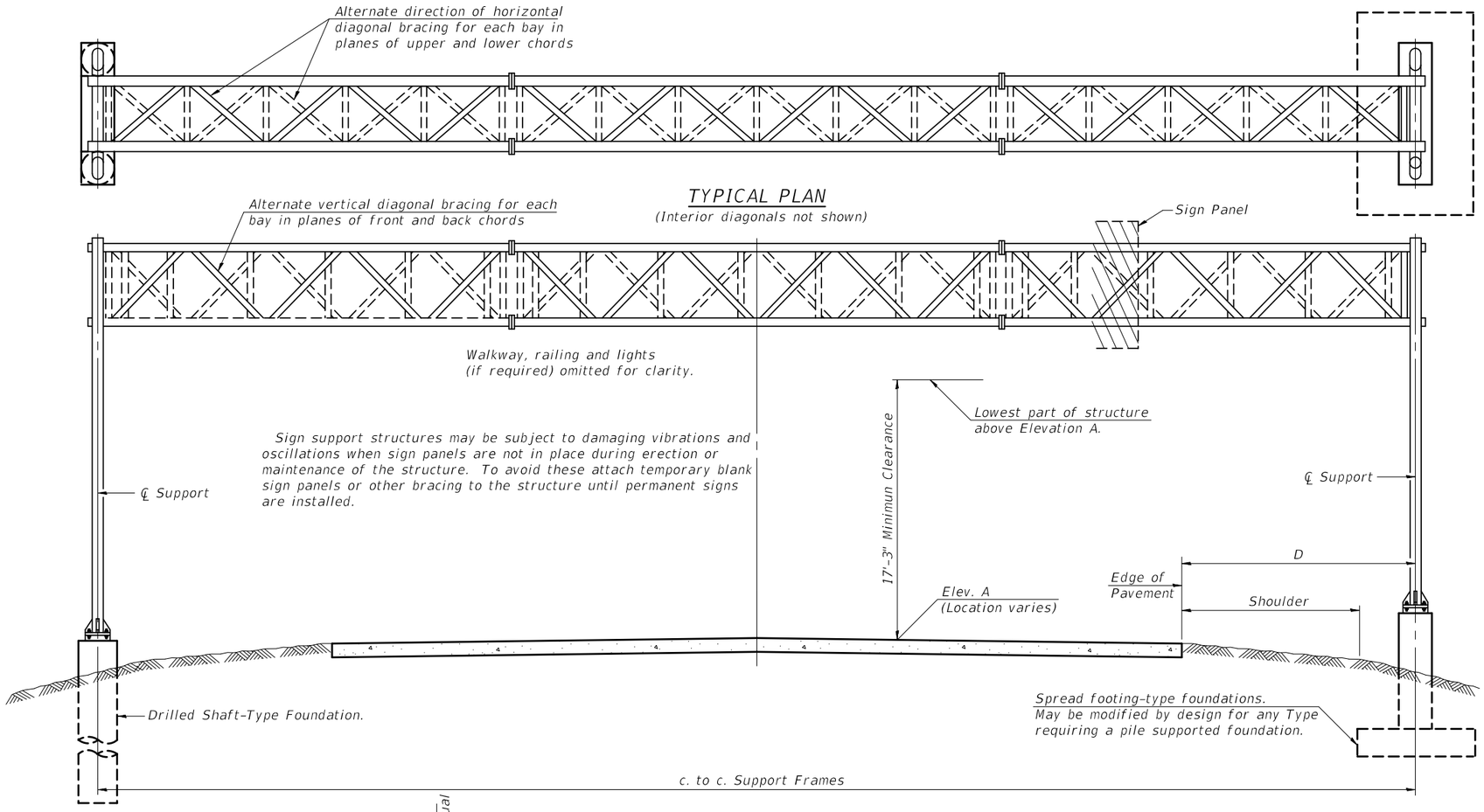
(Handhole cover not shown)

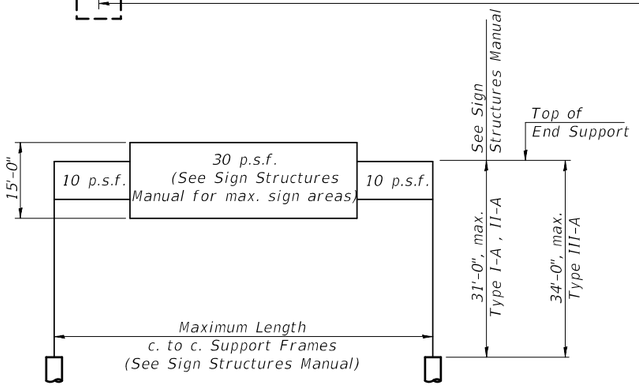
DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

OS-A-6A 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES SUPPORT FRAME DETAILS – ALUMINUM TRUSS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			317	[15B;(102-1)BR]BR	TAZEWELL	1361	558
	PLOT SCALE =	DRAWN -	REVISED -					CONTRACT NO. 68B46		
	PLOT DATE =	CHECKED -	REVISED -		SHEET NO. 6 OF 6 SHEETS		ILLINOIS FED. AID PROJECT			





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
4S090U150R000.70	2169+00	I-A	85'-0"	465.24	29'-9"	12'-6"	475.25 SF

**Looking upstation for structures with signs both sides.

* 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.

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	85'-0"
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	
CONCRETE FOUNDATIONS	Cu. Yds	33.57
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds	

OS-A-1 2-17-2017

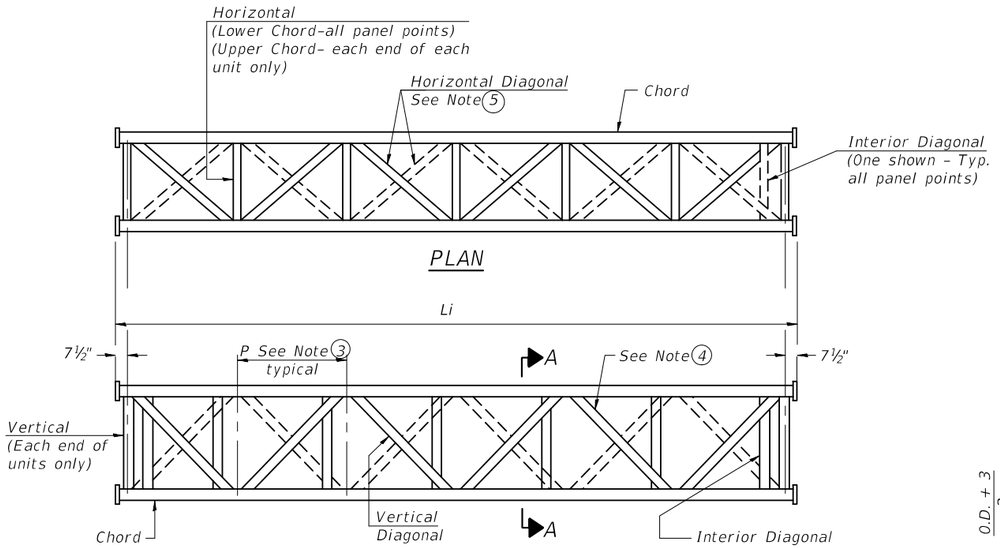
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

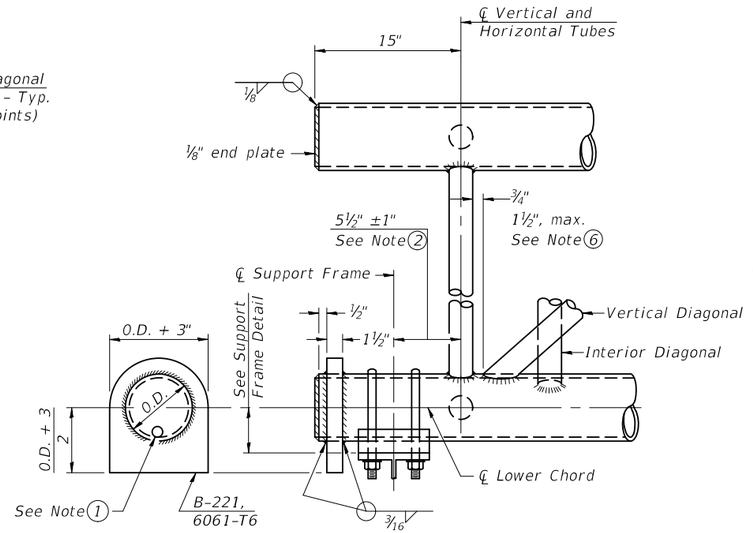
SHEET NO. 1 OF 7 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	559
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT		

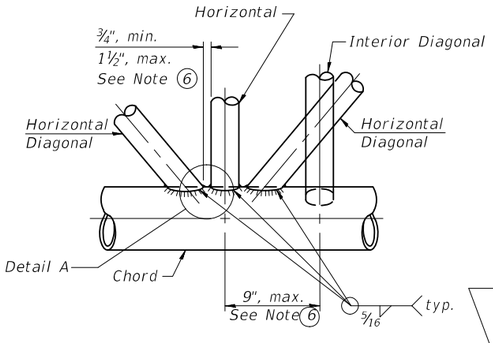


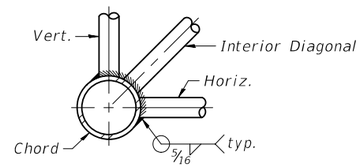
ELEVATION
TYPICAL INTERIOR UNIT

Even number of panels/interior unit required.

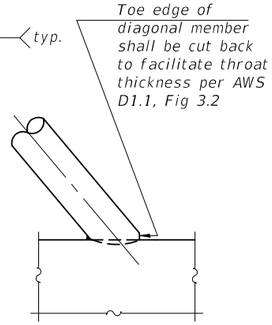


SUPPORT END DETAIL FOR EXTERIOR UNIT

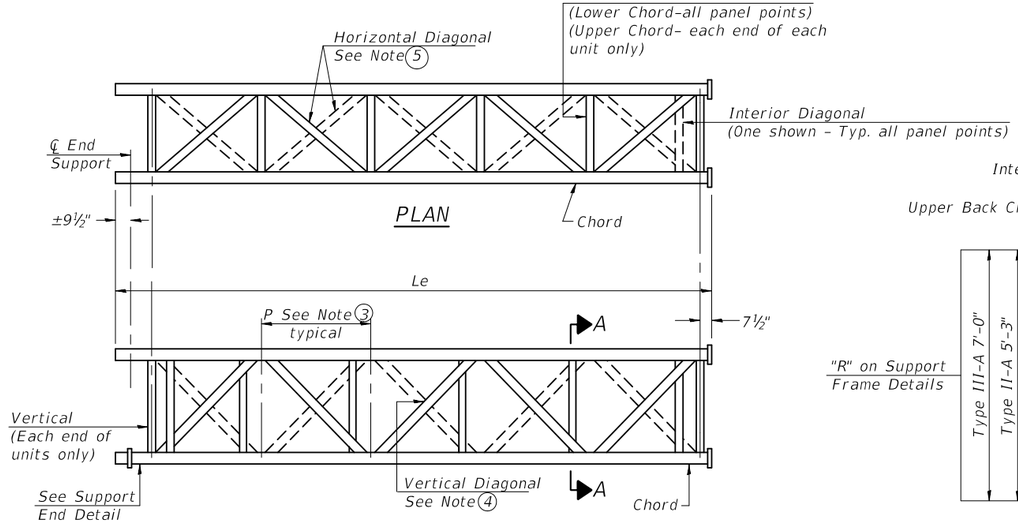




TYPICAL JOINT DETAILS

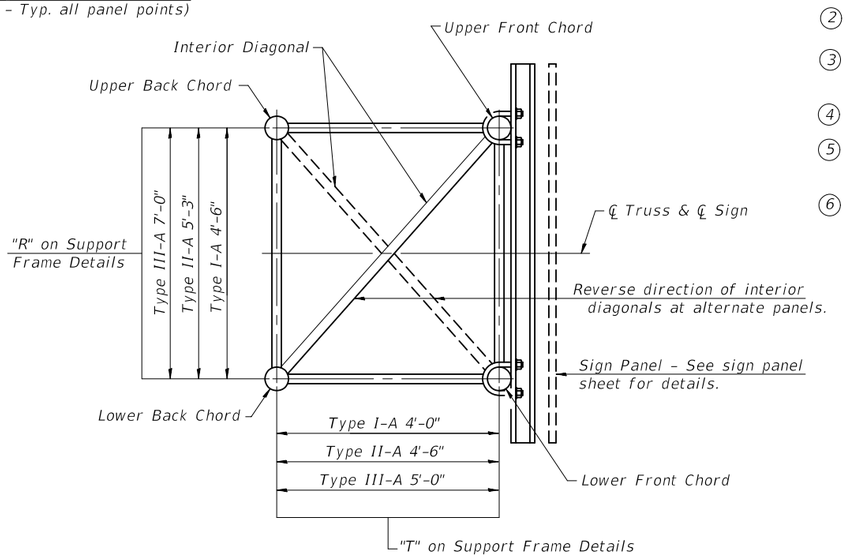


DETAIL A



ELEVATION
TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

1. Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" Ø drain hole in end plate/drive-fit 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 offset from the panel point based on the following: Offset 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.

OS-A-2 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

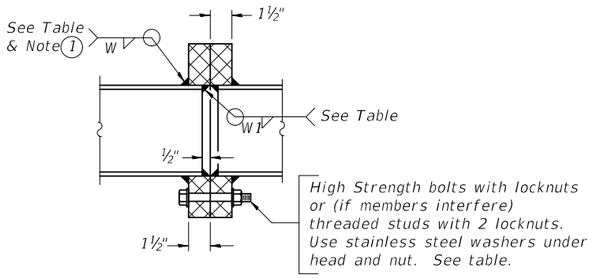
OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SHEET NO. 2 OF 7 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	560
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

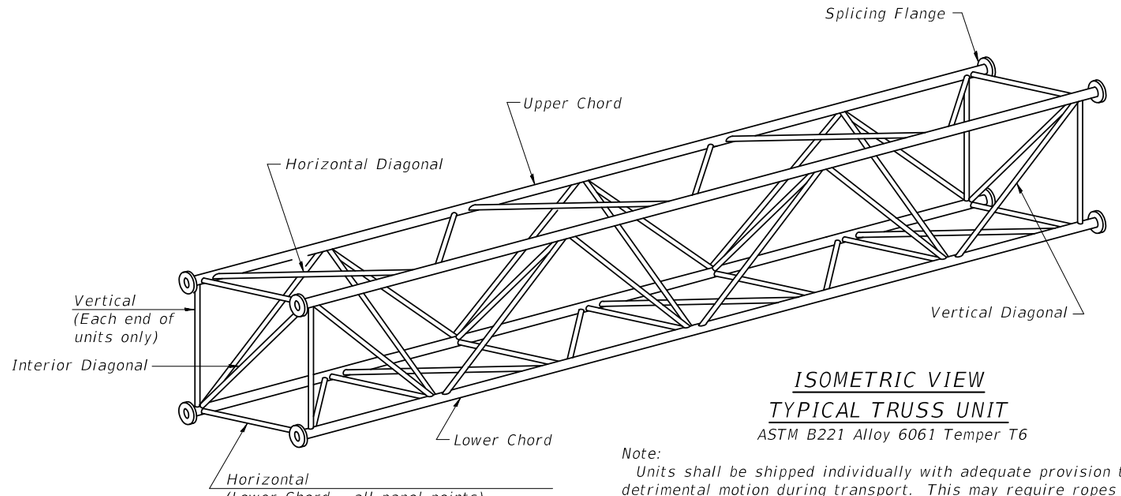
TRUSS UNIT TABLE

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		
4S090U150R000.70	2169+00	I-A	6	29'-1 1/2"	4'-6 1/2"	1	6	28'-6"	4'-6 1/2"	5"	5/16"	2 1/2"	5/16"	2 1/2"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"



SECTION B-B

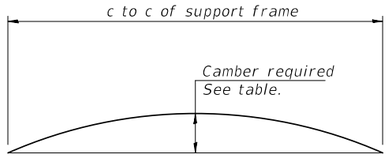
(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining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



ISOMETRIC VIEW
TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

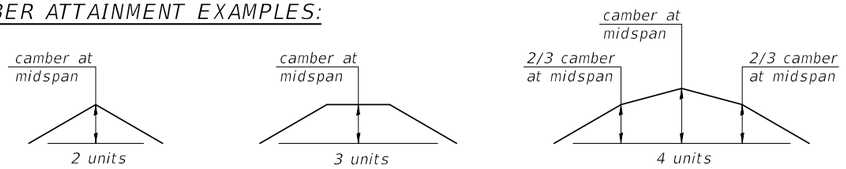
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



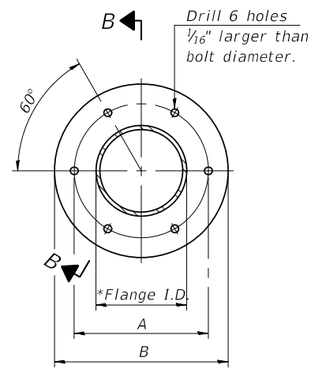
CAMBER DIAGRAM

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

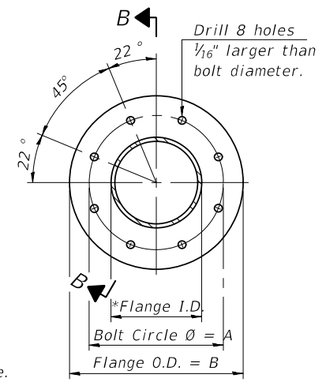
CAMBER ATTAINMENT EXAMPLES:



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



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



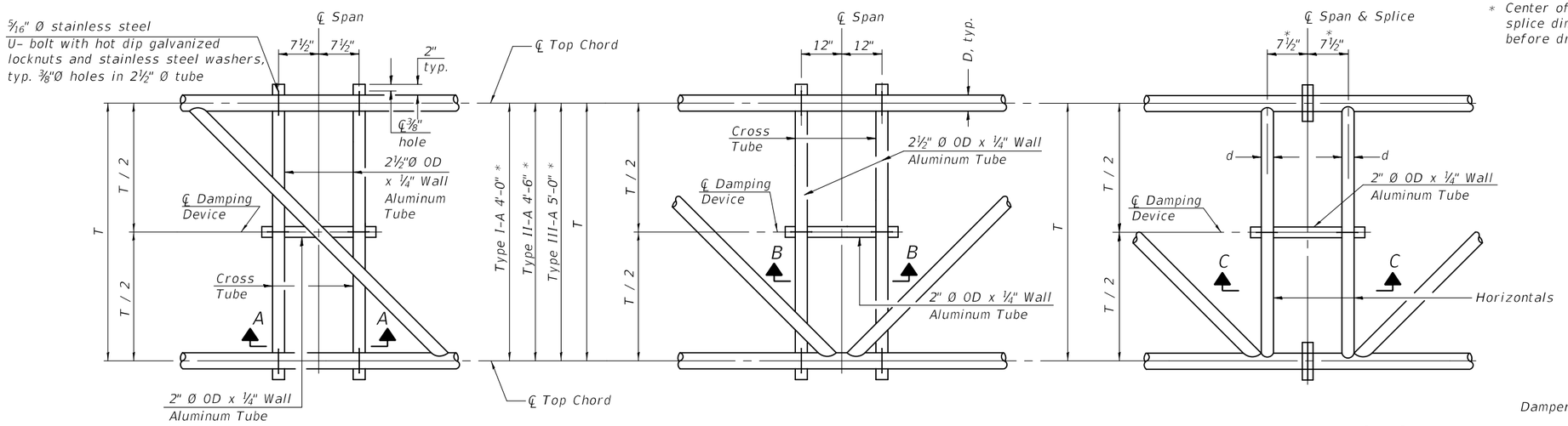
TRUSS TYPES II-A & III-A

SPLICING FLANGES

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

0S4-A-2 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			317	[15B;(102-1)BR]BR	TAZEWELL	1361	561
	PLOT SCALE =	DRAWN -	REVISED -						CONTRACT NO. 68B46	
	PLOT DATE =	CHECKED -	REVISED -		SHEET NO. 3 OF 7 SHEETS			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

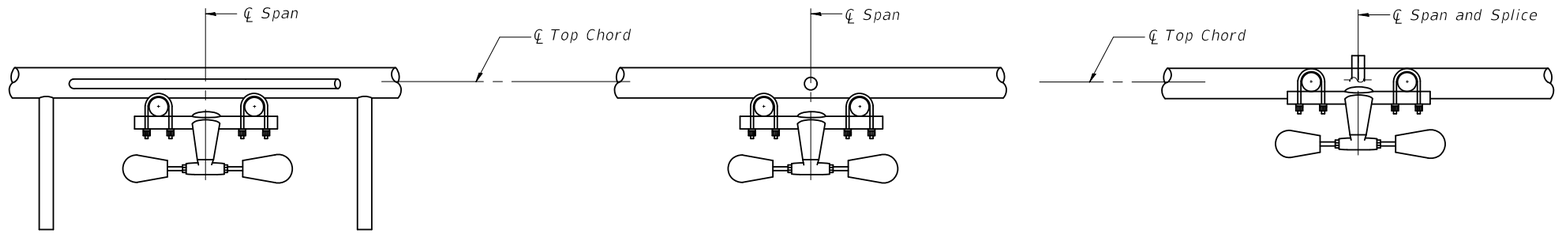
PLAN DETAIL "B"
℄ Span at Panel Point

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...

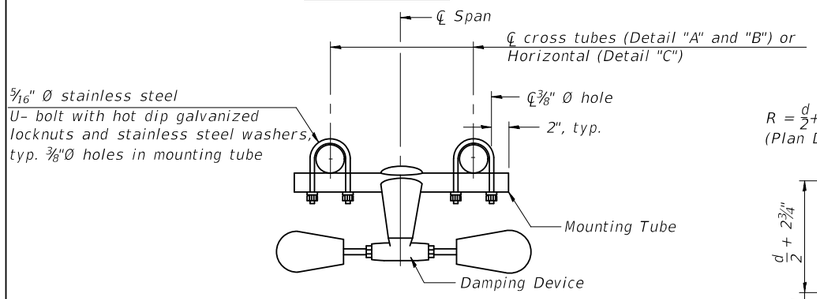
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



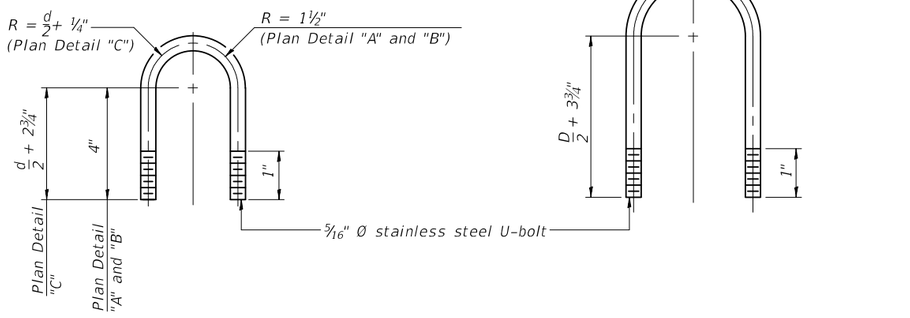
SECTION A-A

SECTION B-B

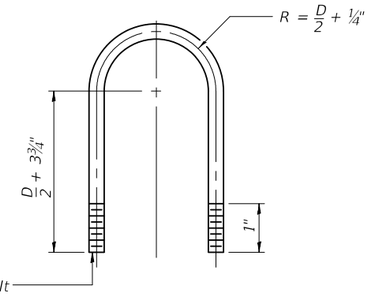
SECTION C-C



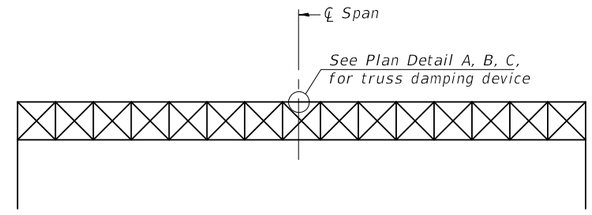
TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



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

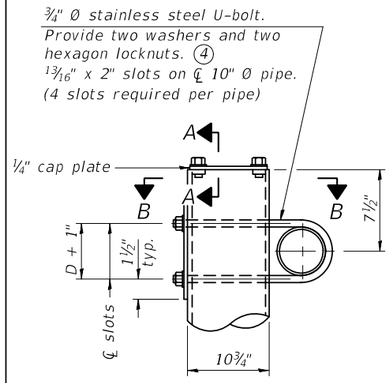
OS-A-D 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

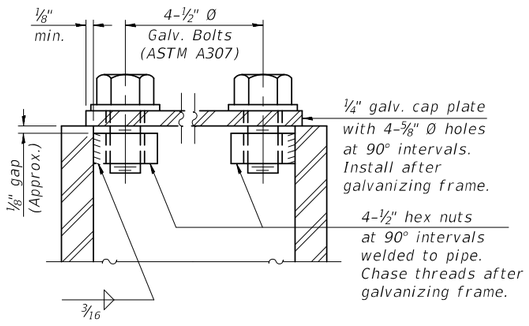
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE
SHEET NO. 4 OF 7 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	562
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

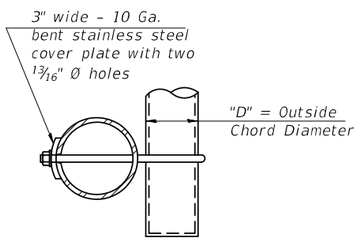


DETAIL A

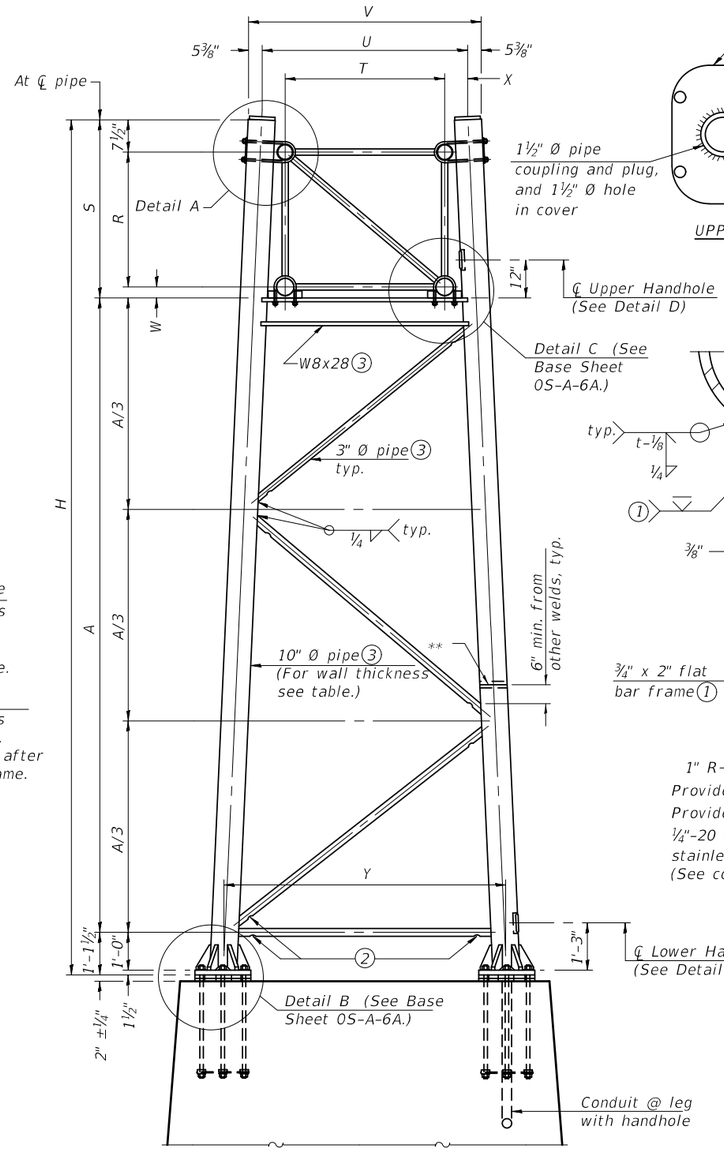


SECTION A-A

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

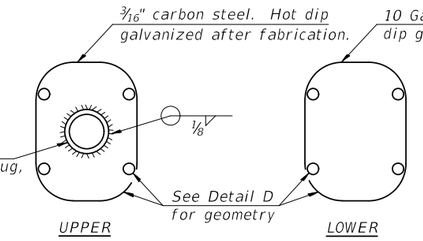


SECTION B-B

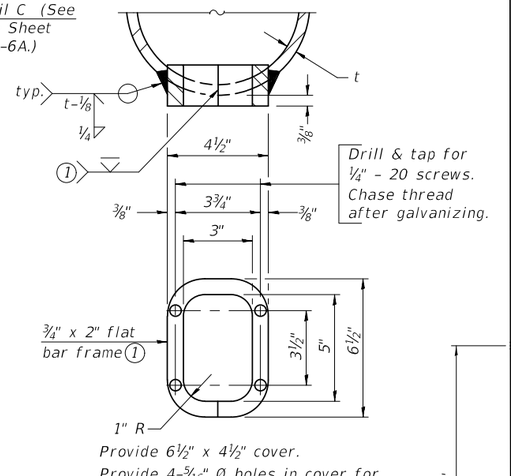


For Foundation Details, see base sheet 0S-F3 (Spread Footing) or 0S4-F3 (Drilled Shaft).

SIDE ELEVATION

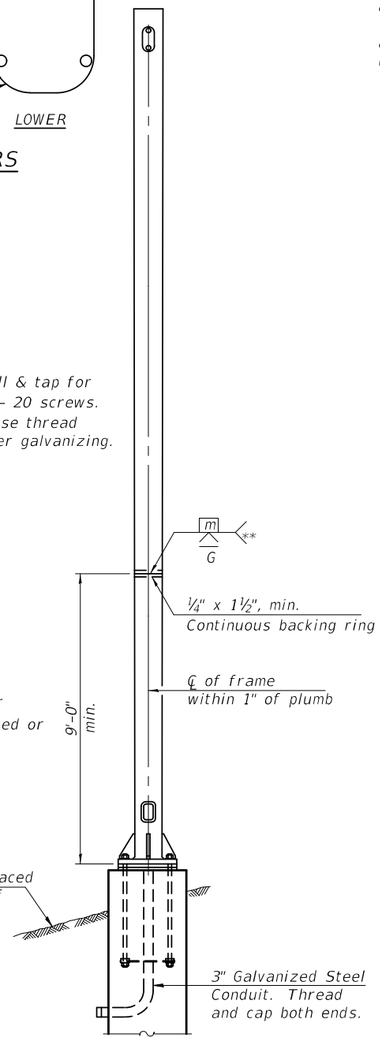


HANDHOLE COVERS



Provide 6½" x 4½" cover.
Provide 4-5/16" Ø holes in cover for ¼"-20 round head hot dip galvanized or stainless steel machine screws. (See cover details)

DETAIL D



END ELEVATION

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 500µ in 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 verified or amended as appropriate.

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

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5½"	4'-0"	5'-6"	6'-4¾"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3¼"	4'-6"	6'-1"	6'-11¾"	4¾"	9½"	8'-3"

10" Ø PIPE TRUSS SUPPORT FRAME

** 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		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
4S090U150R000.70	2169+00	30.7'		I-A	0.279	26.0'	19.38'
			54.3'	I-A	0.279	26.0'	19.38'

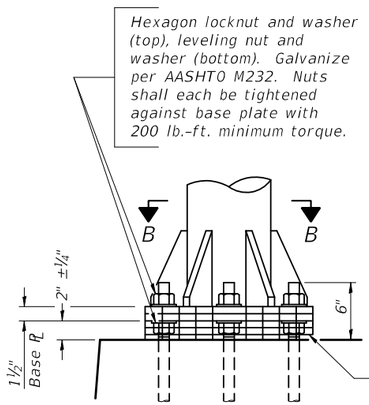
0S-A-6 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

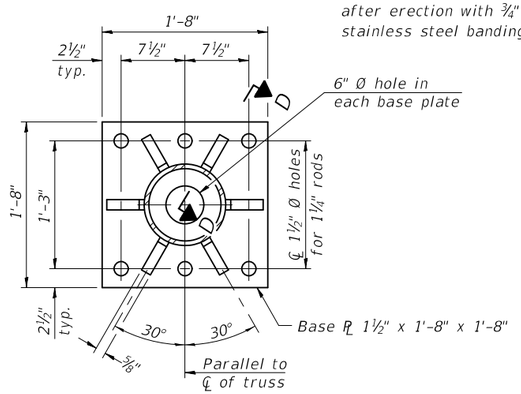
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS
SHEET NO. 5 OF 7 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	563
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

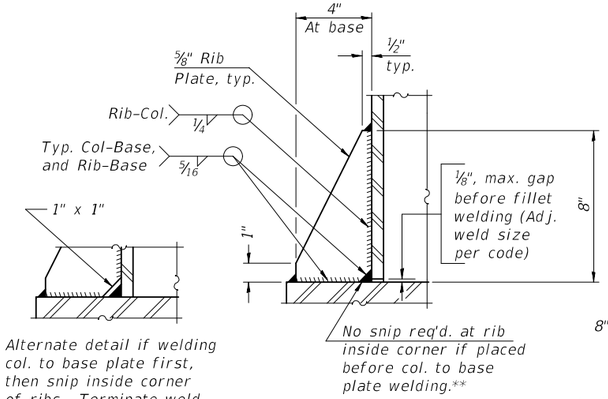


DETAIL B

Ribs shall be cut to fit slope of pipe.

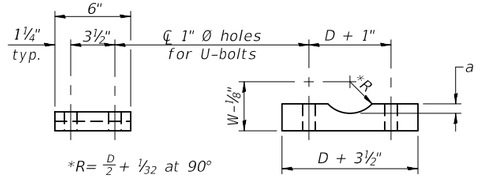


SECTION B-B



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

SECTION D-D



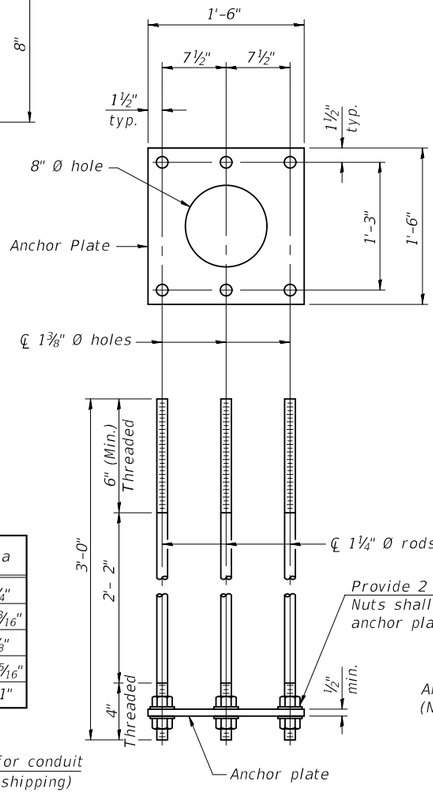
*R= $\frac{D}{2}$ + 1/32 at 90°

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

SADDLE SHIM DETAIL

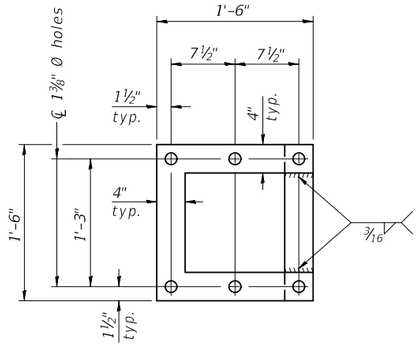
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	¾"
5½"	13/16"
6"	⅞"
6½"	15/16"
7"	1"

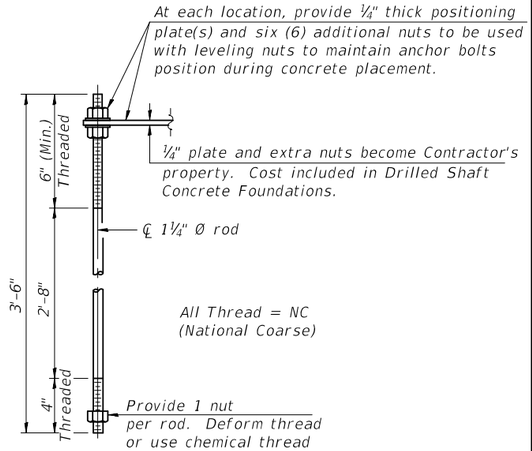


ANCHOR ROD DETAIL

Spread Footing Foundation



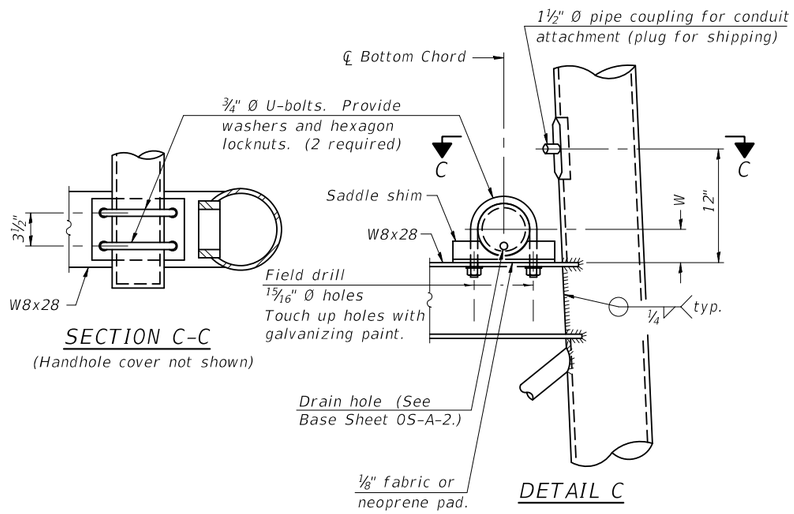
POSITIONING PLATE(S)



ANCHOR ROD DETAIL

Drilled Shaft Foundation

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



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

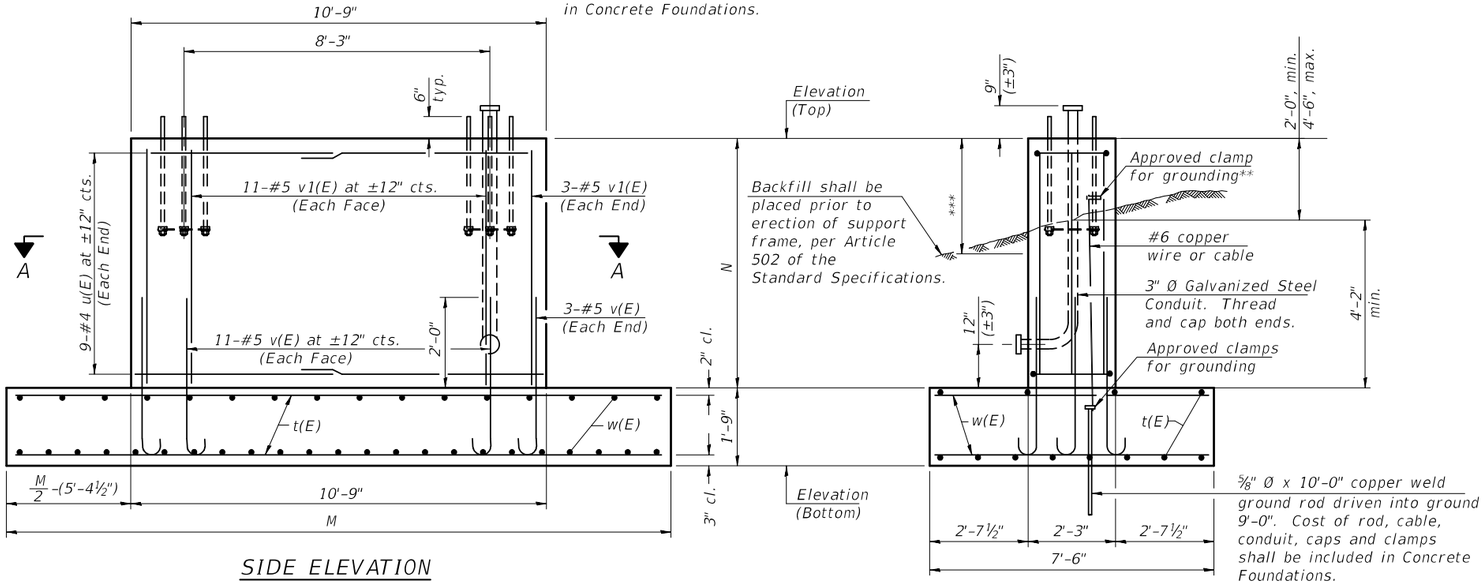
OS-A-6A 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES SUPPORT FRAME DETAILS – ALUMINUM TRUSS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			317	[15B;(102-1)BR]BR	TAZEWELL	1361	564
	PLOT SCALE =	DRAWN -	REVISED -					CONTRACT NO. 68B46		
	PLOT DATE =	CHECKED -	REVISED -		SHEET NO. 6 OF 7 SHEETS		ILLINOIS	FED. AID PROJECT		

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

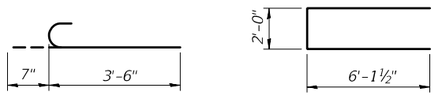
** Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

*** 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 Concrete Foundations.



SIDE ELEVATION

END ELEVATION



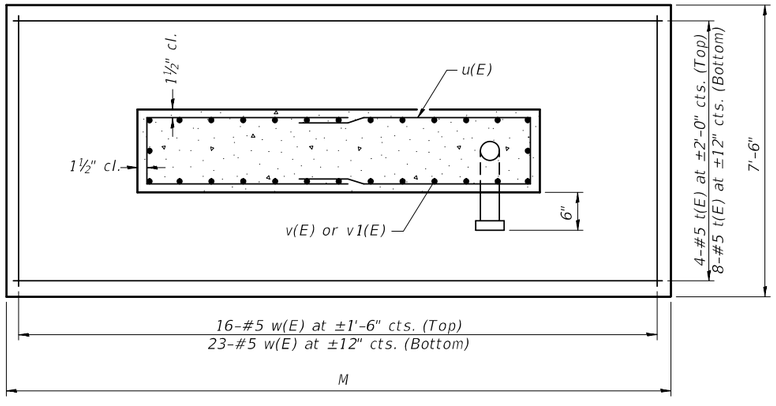
BAR v(E)

BAR u(E)

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
t(E)	12	#5	*	
u(E)	18	#4	14'-3"	
v(E)	28	#5	4'-1"	
v1(E)	28	#5	*	
w(E)	39	#5	7'-3"	

*Length of t(E) bar = (Dim. M) - 6"
v1(E) bar = (Dim. N) - 3"



SECTION A-A

Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	N	M	Elevation Top	Elevation Bottom	N	M	
4S090U150R000.70	2169+00	466.20	456.61	7'-10 5/16"	21'-6"	466.20	456.61	6'-4 5/16"	21'-6"	33.57

Note:
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.0 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.

During construction, if footing length or width or wall height change by more than 12", or if reinforcement is changed, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

DETAILS FOR 10" Ø SUPPORT FRAME

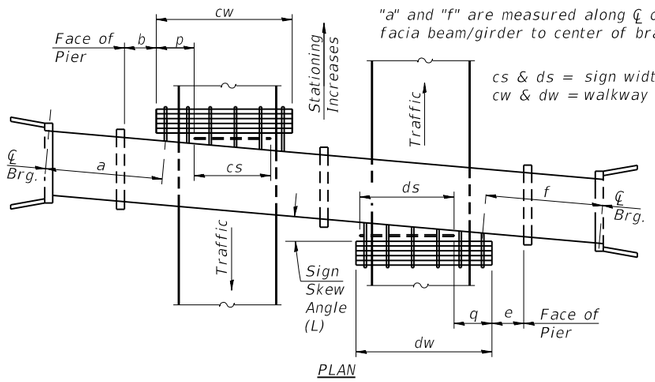
OS-F3 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SPREAD FOOTING DETAILS
SHEET NO. 7 OF 7 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR	TAZEWELL	1361	565
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT			

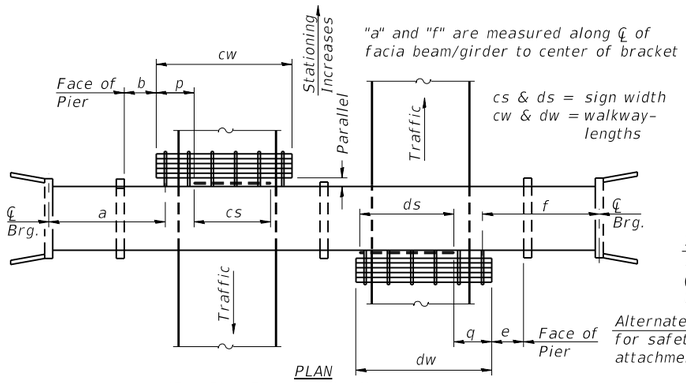


PLAN

(Left Sign Skew > 15°)

WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)

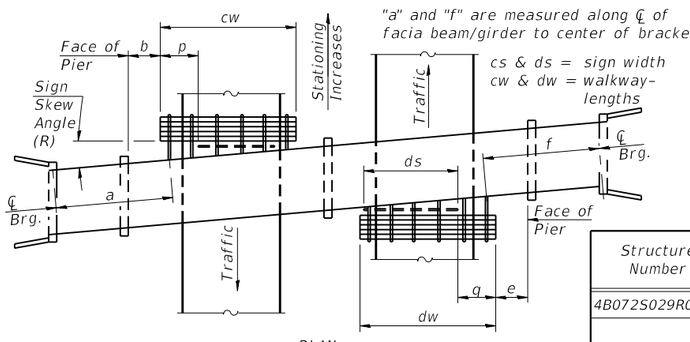


PLAN

(For Sign Skew ≤ 15°, all brackets constant)

WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)

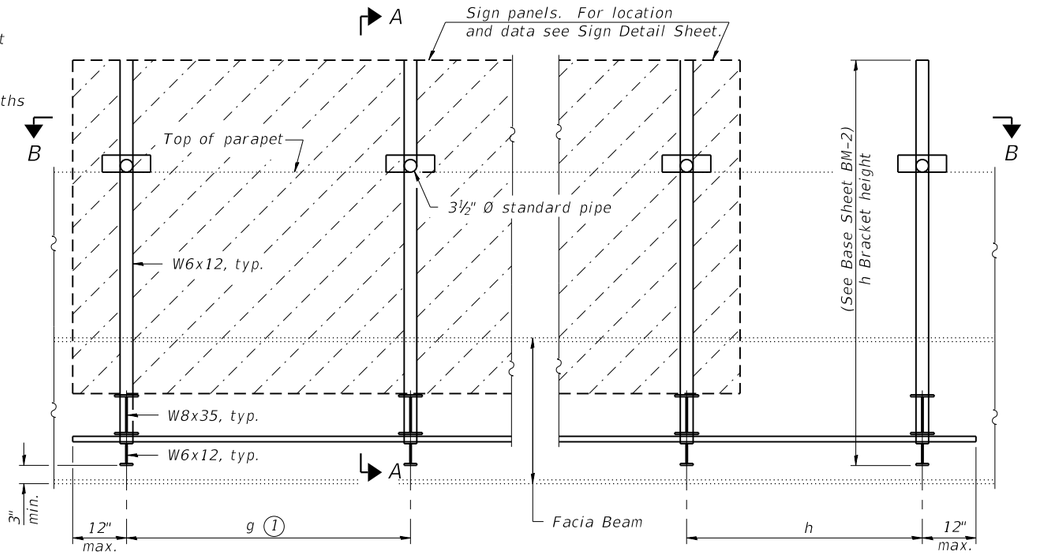


PLAN

(Right Sign Skew > 15°)

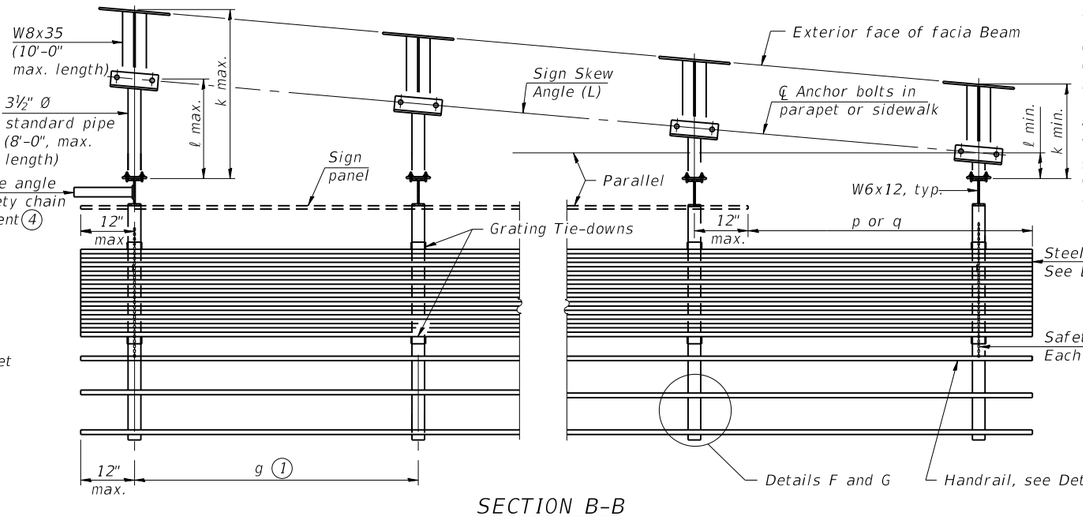
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)



TYPICAL FRONT ELEVATION

(With lights, safety chain and handrail omitted for clarity.)



SECTION B-B

(Shown: Left Sign Skew > 15°)

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	cs	cw	ds	dw	e	f	g	No. of Brackets (Total)	p	q	Total Grating/ Hndrl. Lengths (cw + dw)
4B072S029R004.3	0°	2108+07.93	072-0250	F.A.P. 317	-	-	-	-	11'-6"	11'-6"	-	62'-11"	5'-0"	3	-	-	11'-6"

Dimensions a, b, e, f & g may vary as approved by the Engineer, see (1).
When cw < cs and/or dw < ds, use alternate brackets without walkway supports where applicable, see (3).

GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for (2) 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.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

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

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. 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 (M183, M223 Gr. 50,).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

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: All-threaded rod shall conform to ASTM F1554 Grade 105, ¾" Ø x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

(1) Bracket spacing g ≤ 6'-0", max. Spacing shall be uniform if possible but may vary ±6" to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.

(2) Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.

(3) Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.

(4) If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

TOTAL BILL OF MATERIAL

(3) OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	Foot	11.5

BM-1

2-17-2017

EFK • Moen, LLC Civil Engineering Design	USER NAME = ABenz	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE = 2.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 1/17/2019	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
GENERAL PLAN AND ELEVATION

SHEET 1 OF 4 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1),(14HB)]BR	PEO/TAZ	1361	566
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

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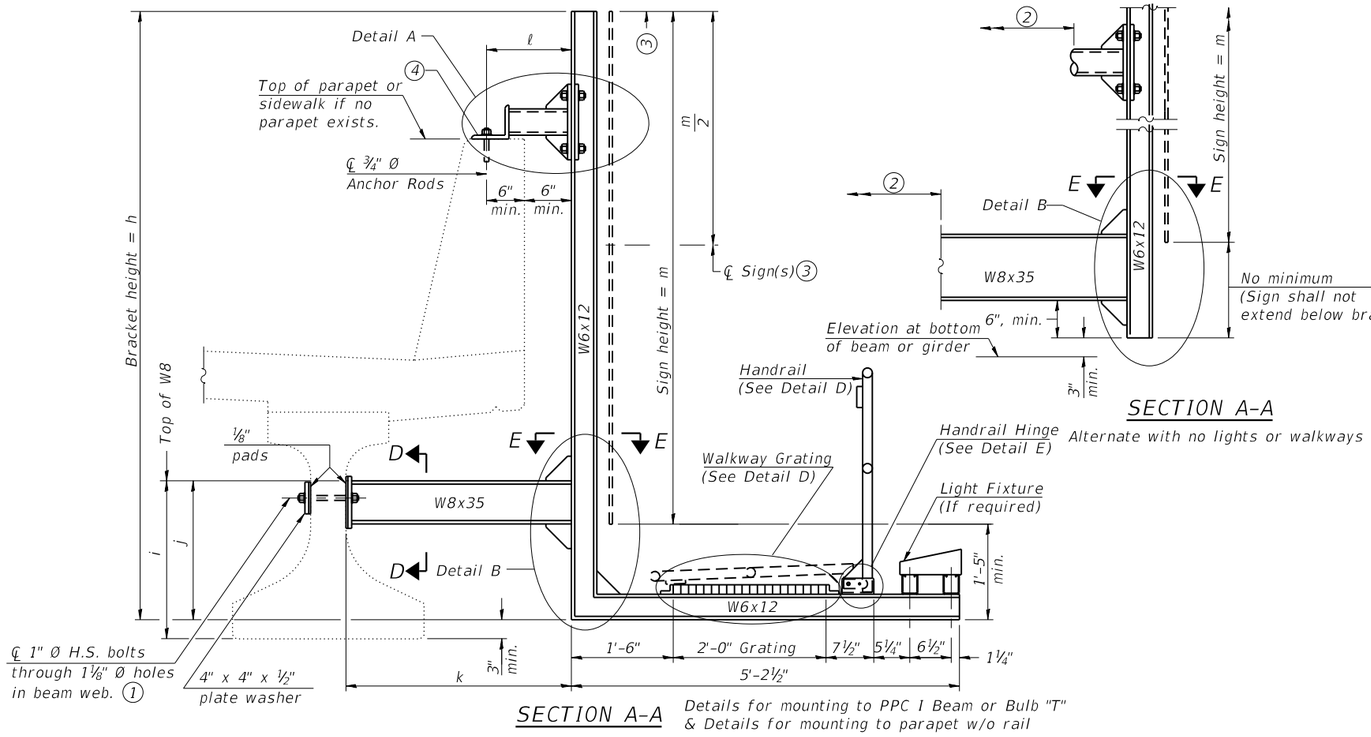
1/17/2019 8:12:38 AM



SECTION A–A

Details for mounting to PPC I Beam or Bulb "T" & Details for mounting to parapet w/o rail

SECTION A–A

Alternate with no lights or walkways

Notes:

Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.

Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.

All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.

The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

(1) *For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.*

(2) *For attachment details of 3½" pipe and W8x35, see other sections as applicable.*

(3) *Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)*

(4) *For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.*

Structure Number	Station	h	i	j	k max. (10'-0" max.)	ℓ max. (8'-0" max.)	m (15'-0" max.)
4B072S029R004.3	2108+07.93	8'-11⅛"	2'-7⅜"	2'-4⅜"	3'-5½"	1'-0"	7'-6"

For Details A & B, Sections C–C, D–D and E–E, see Base Sheet BM–3.
For Details D & E, see Base Sheet BM–4.

EFK • Moen, LLC
Civil Engineering Design

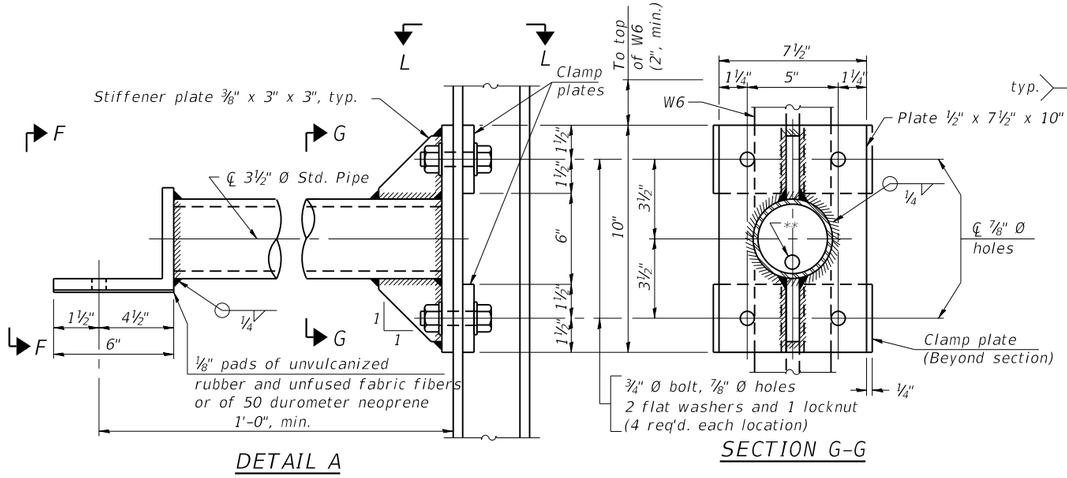
USER NAME = ABenz	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	DRAWN -	REVISED -	
PLOT DATE = 1/17/2019	CHECKED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
WALKWAY AND CONNECTION DETAILS

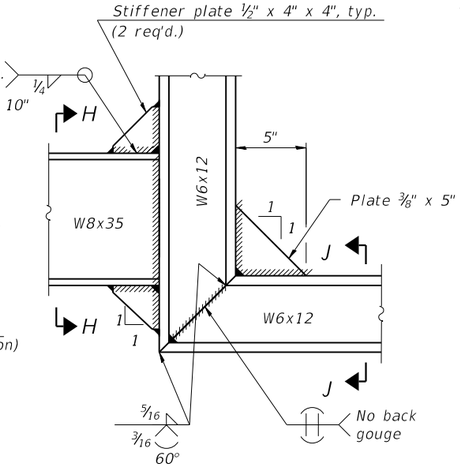
SHEET 2 OF 4 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1),(14HB)]BR)BR	PEO/TAZ	1361	567
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

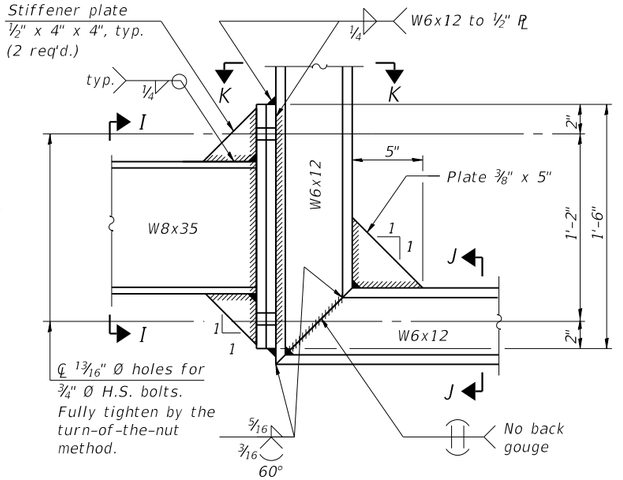


DETAIL A

SECTION G-G

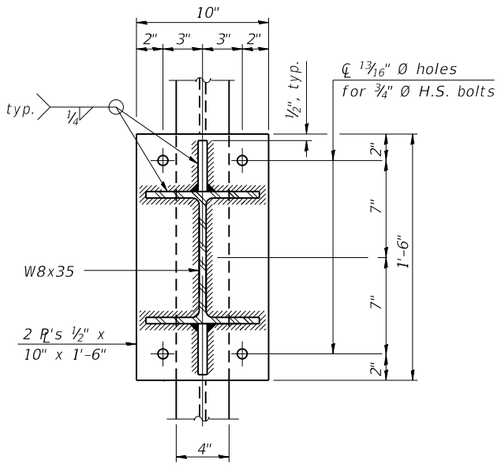


DETAIL B – WELDED W8x35 TO W6x12 CONNECTION

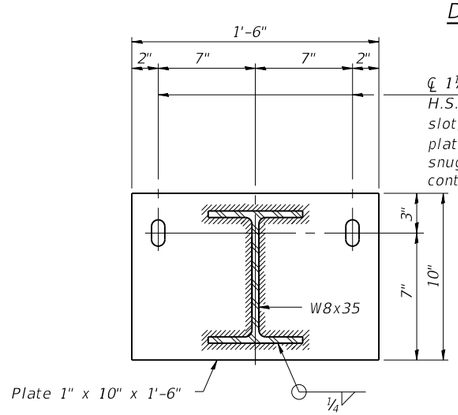


DETAIL B – ALTERNATE BOLTED W8x35 TO W6x12 CONNECTION

Alternate may be substituted by contractor to facilitate construction or galvanizing, especially on long struts for skewed bridges.

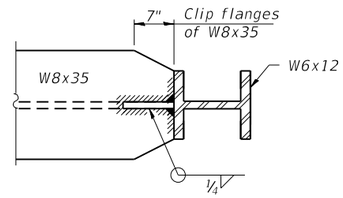


SECTION I-I

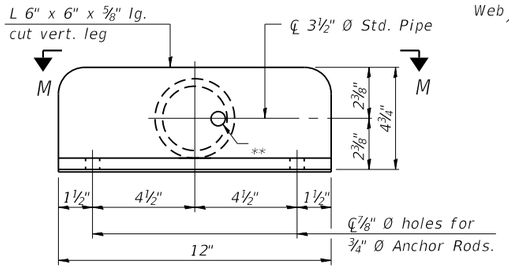


SECTION D-D

Concrete beam or girder connection plate details.

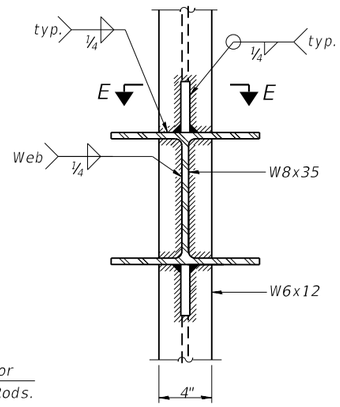


SECTION E-E



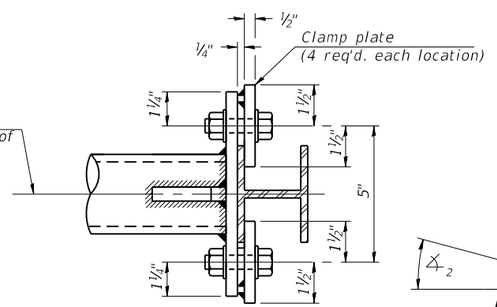
VIEW F-F

** 13/16" Ø holes for galvanizing. After galvanizing, install ⅞" Ø A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in ½" plate.)

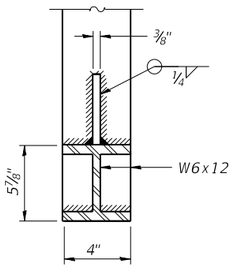


SECTION H-H

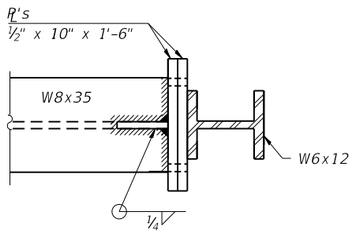
Note: For constant slab overhang at facia beam, $\measuredangle_1 = \measuredangle_2$ = sign angle. For flared beams or other special cases where $\measuredangle_1 \neq \measuredangle_2$, $\measuredangle_1$ = sign angle.



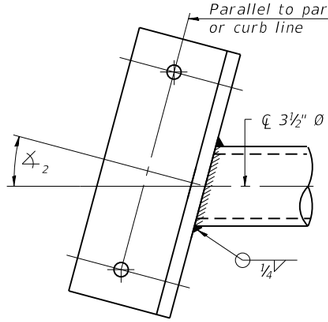
SECTION L-L



SECTION J-J

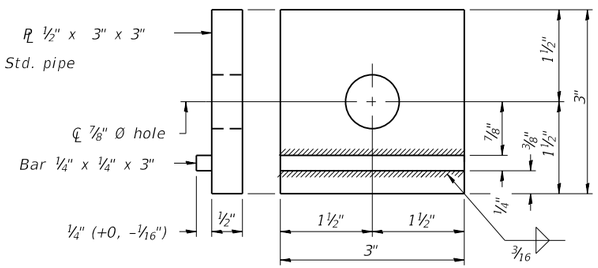


SECTION K-K



SECTION M-M

Skewed connection detail for 3½" Ø pipe to parapet.



CLAMP PLATE DETAILS

BM-3

2-17-2017

EFK • Moen, LLC Civil Engineering Design	USER NAME = ABenz	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE = 2.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 11/26/2018	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS
SHEET 3 OF 4 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1),(14HB)]BR)BR	PEORIA	1361	568
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

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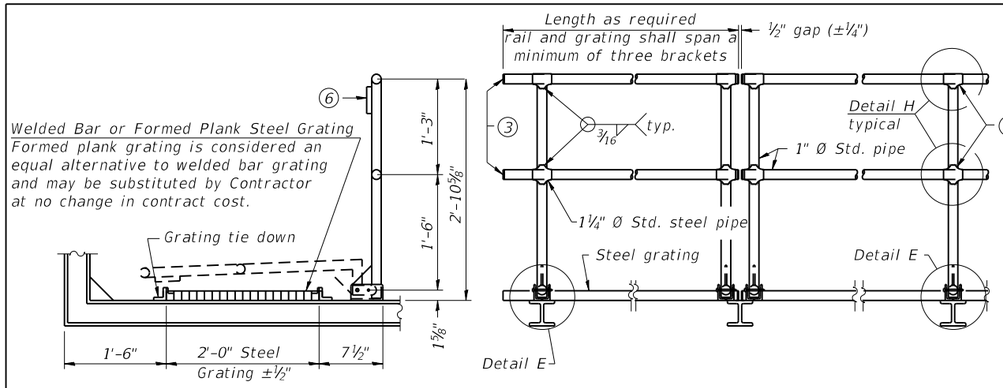
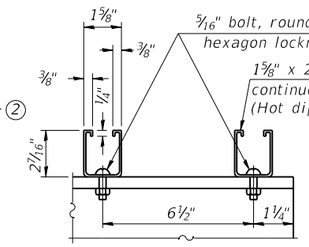
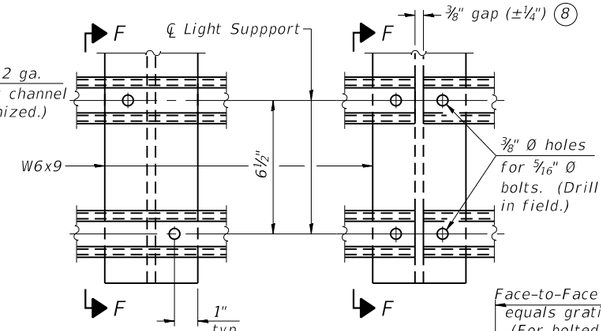


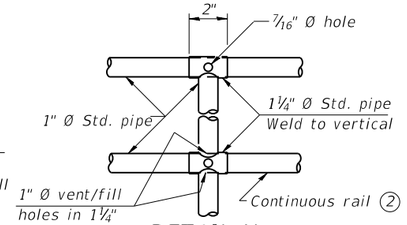
SIDE ELEVATION



SECTION F-F
LIGHTING FIXTURE MOUNTS
(If required)



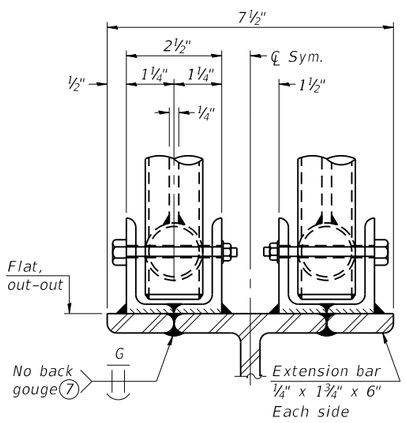
DETAIL F



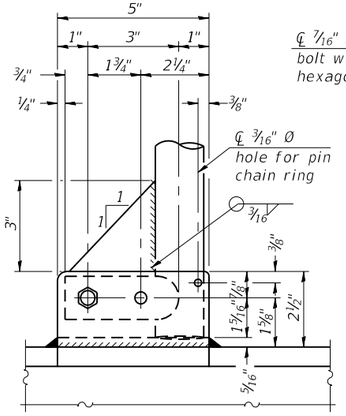
DETAIL H
Welds 3⁄16" continuous

DETAIL D HANDRAIL

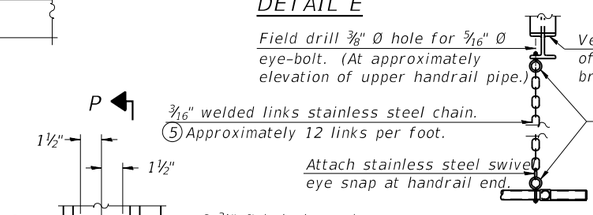
FRONT ELEVATION



ELEVATION AT HANDRAIL JOINT
(Details not shown same as "FRONT ELEVATION")

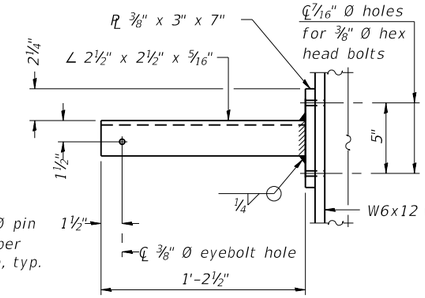


SIDE ELEVATION

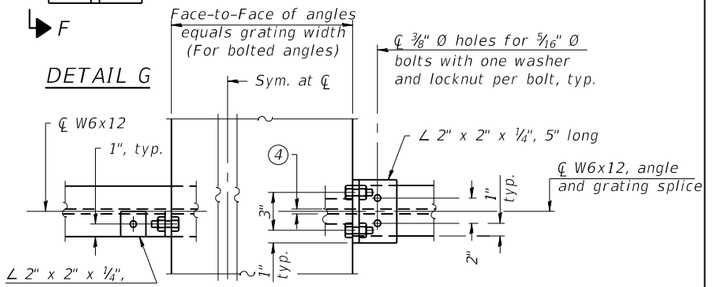


PLAN AT SINGLE HANDRAIL HINGE

DETAIL E

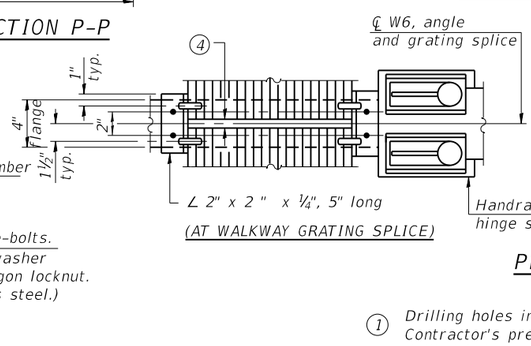


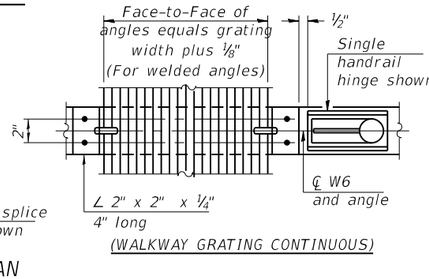
SECTION P-P



GRATING CONTINUOUS AT GRATING SPLICE

VIEW W-W

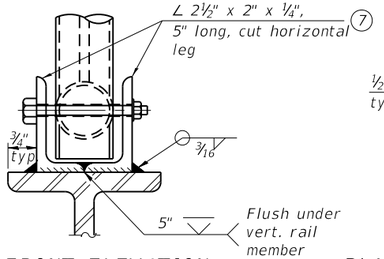




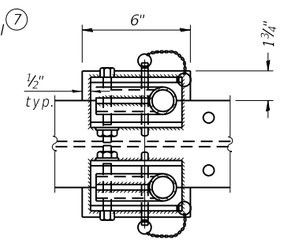
PLAN

No Sign at Bracket

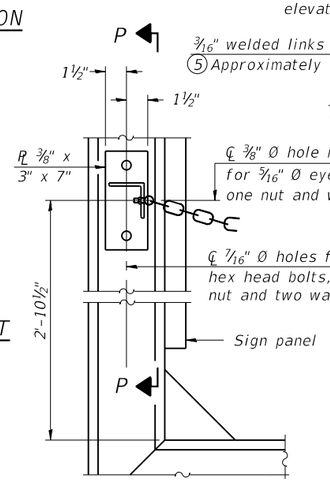
SAFETY CHAIN
One (1) required for each end of each walkway.



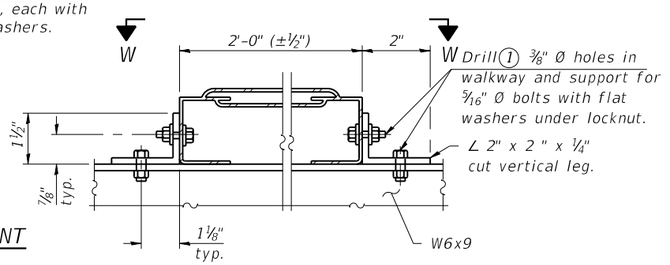
FRONT ELEVATION
(See above Elevations for dimensions.)



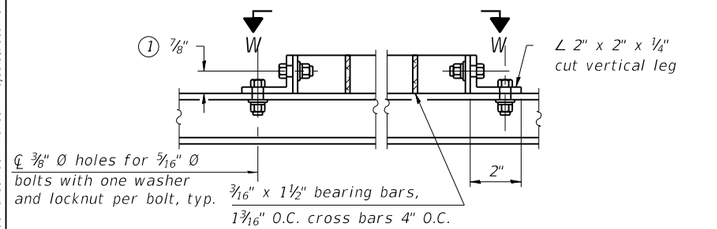
PLAN AT HANDRAIL JOINT
(For Details, see Elevations.)



SAFETY CHAIN ATTACHMENT
(With Sign Present)
Items not shown same as "SIDE ELEVATION" and "SAFETY CHAIN"



ALTERNATE FORMED PLANK GRATING DETAILS
Plank Grating: nominal depth = 2½" (±½"); perforated or expanded steel sheet with a non-skid surface (non-serrated) concentrated load capacity = 500 lbs. with 6'-0" clear span.



WELDED BAR GRATING DETAILS

NOTES

1. Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment. Field drilled holes must be touched up with galvanized paint.
2. Horizontal rail member shall be continuous thru 1¼" Ø pipe. Provide 7⁄16" Ø hole in 1¼"Ø pipe 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. Install standard force-fit end caps or weld ⅛" end plates with ⅛" c.f.w. and grind smooth. (All rail ends.)
4. ⅜" (±¼") gap between grating panels at splice.
5. Chain to be type 304L stainless steel suitable for prolonged exterior exposure. Approximately 3'-6" long chain per location. Maximum sag with handrail erected = 4".
6. PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.
7. Extrusions may be used in lieu of details shown, with approval by Engineer.
8. Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

BM-4

2-17-2017

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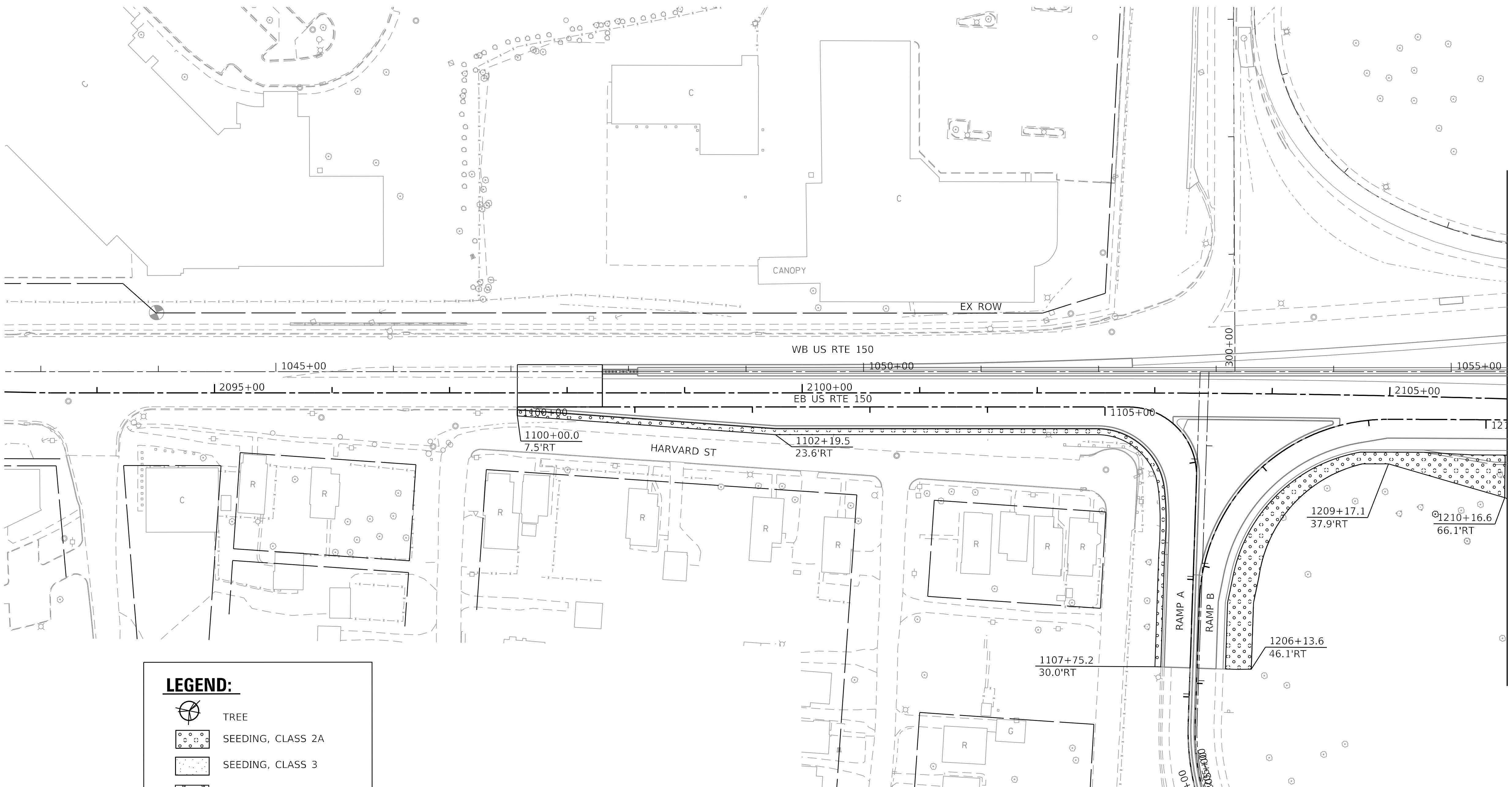
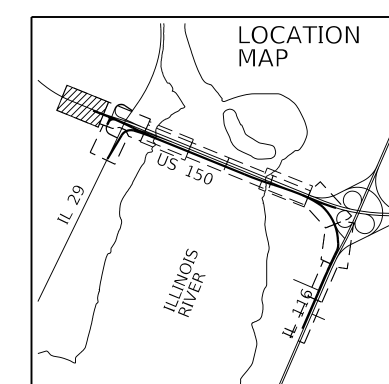
		CHECKED -	REVISED -
	PLOT SCALE = 2.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 11/26/2018	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
WALKWAY DETAILS
SHEET 4 OF 4 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1),(14HB)]BR)BR	PEORIA	1361	569
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			





LEGEND:

- TREE
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- SEEDING, CLASS 5B
- INTERSEEDING, CLASS 5C
- RIPRAP
- TEMPORARY FENCE

NOTE:
1. CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF THE BIKE PATH.
2. SEED BED SHALL BE COVERED WITH TOPSOIL 4"

LSC-01

FINAL SUBMITTAL

MILLENNIA PROFESSIONAL SERVICES
www.mps-il.com

USER NAME = rwatson	DESIGNED - TN	REVISED -	
	DRAWN - JP	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -	
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LANDSCAPING PLAN

SCALE: 1"=50' | SHEET 1 OF 7 SHEETS | STA. 2097+57.68 TO STA. 2106+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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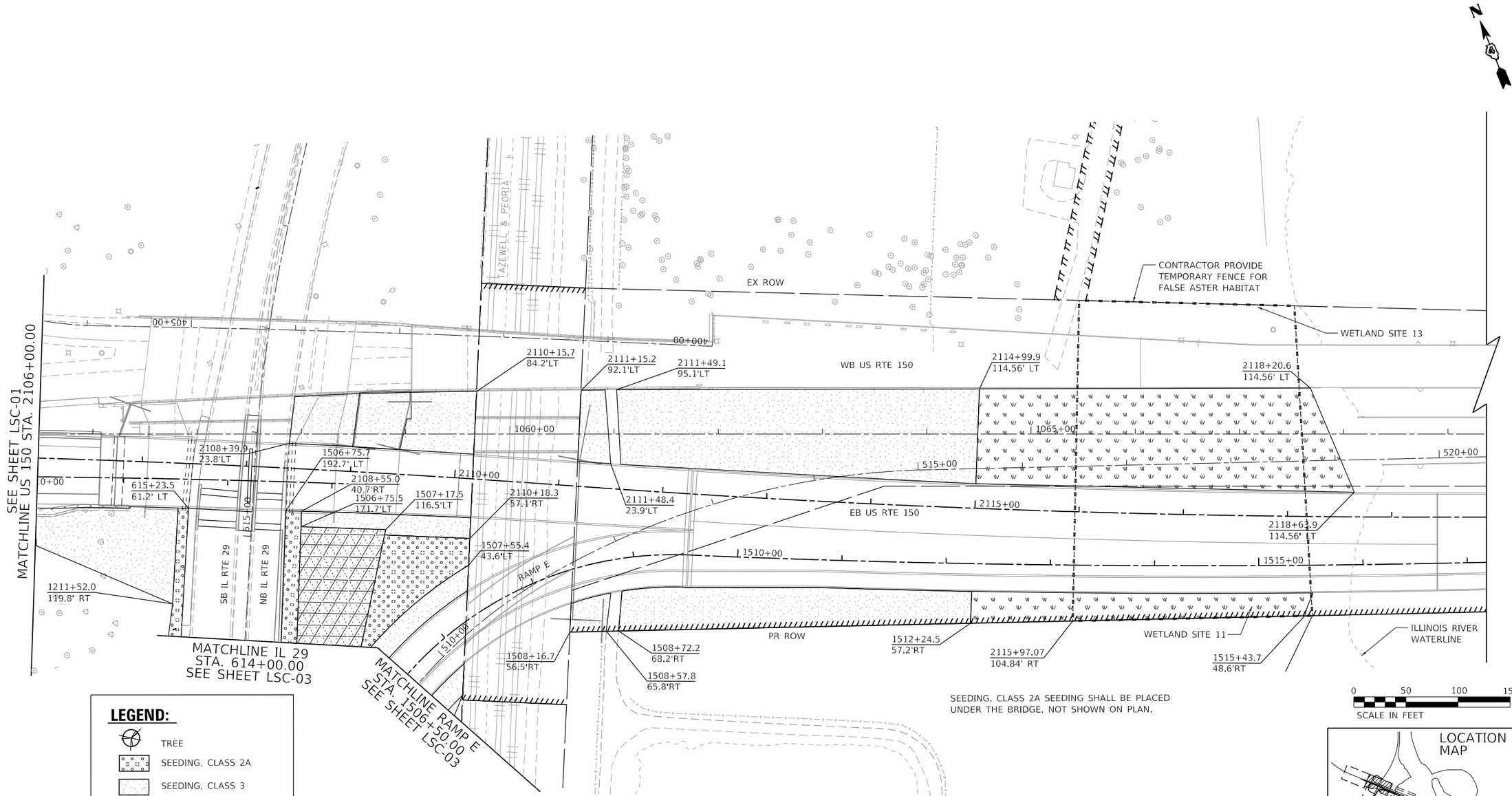
CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)



SEEDING, CLASS 2A SEEDING SHALL BE PLACED UNDER THE BRIDGE, NOT SHOWN ON PLAN.

LEGEND:

- TREE
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- SEEDING, CLASS 5B
- INTERSEEDING, CLASS 5C
- RIPRAP
- xxx TEMPORARY FENCE

NOTE:
1. CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF THE BIKE PATH.
2. SEED BED SHALL BE COVERED WITH TOPSOIL 4"

LSC-02

FINAL SUBMITTAL

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USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
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PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LANDSCAPING PLAN

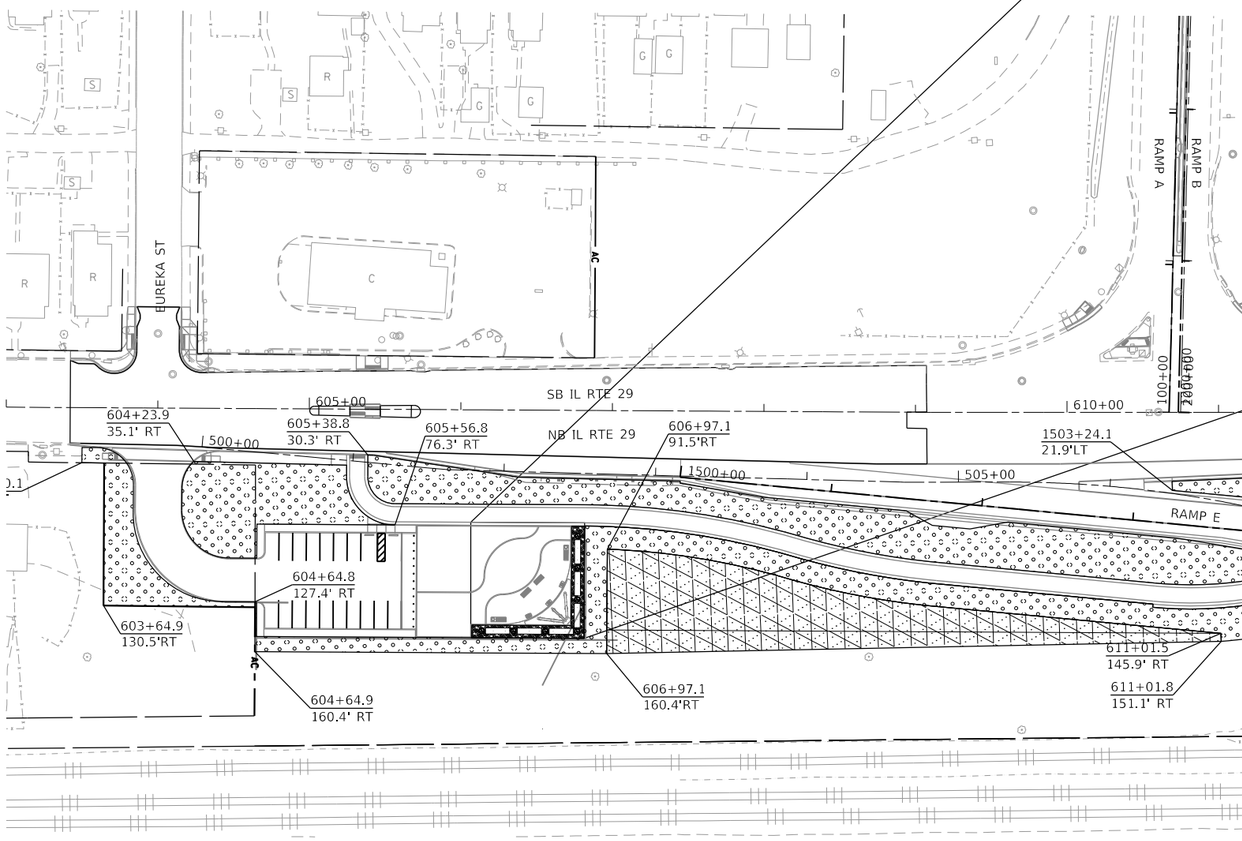
SCALE: 1"=50' | SHEET 2 OF 7 SHEETS | STA. 2101+00.00 TO STA. 2115+00.00

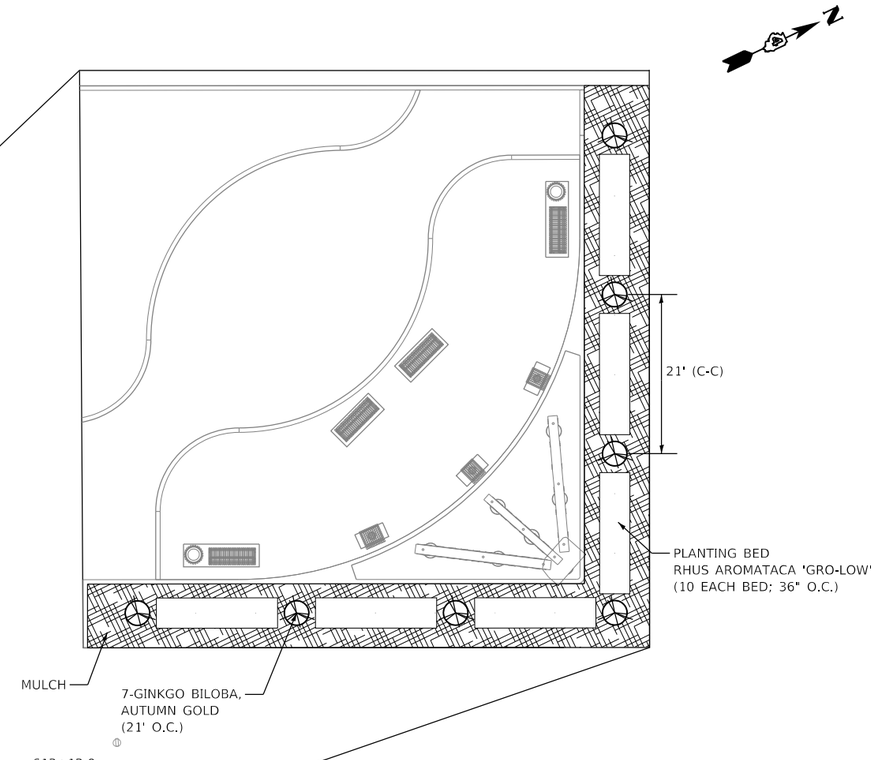
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	571
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

LEGEND:

- TREE
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- SEEDING, CLASS 5B
- INTERSEEDING, CLASS 5C
- RIPRAP
- — xxx — TEMPORARY FENCE

NOTE:
1. CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF THE BIKE PATH.
2. SEED BED SHALL BE COVERED WITH TOPSOIL 4"





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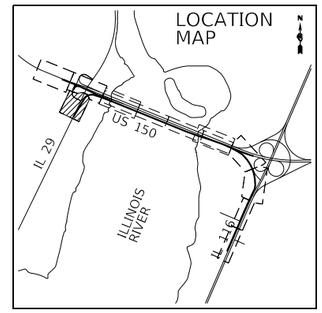

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MILLENNIA PROFESSIONAL SERVICES
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USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LANDSCAPING PLAN

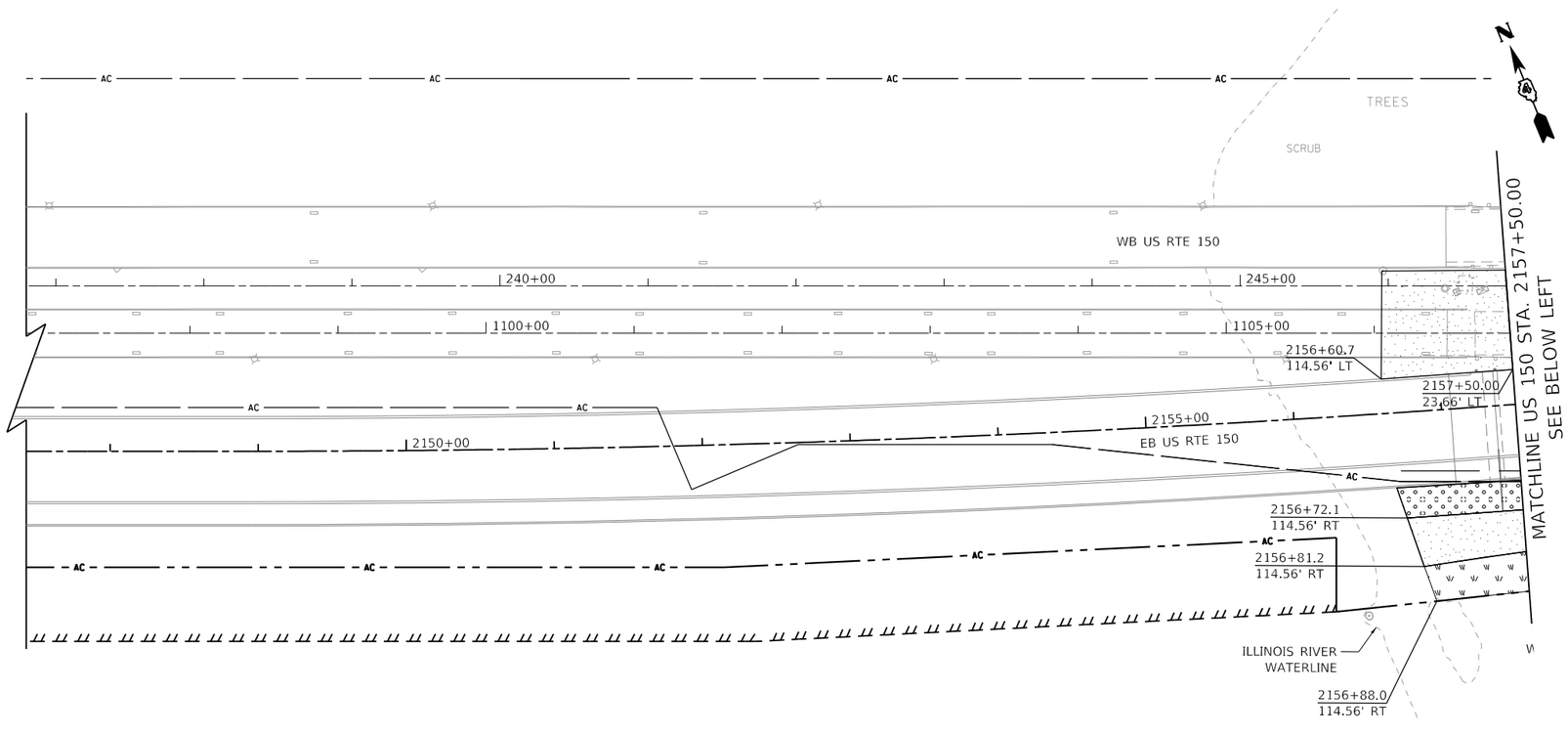
SCALE: 1"=50' | SHEET 3 OF 7 SHEETS | STA. 603+50.10 TO STA. 614+00.00

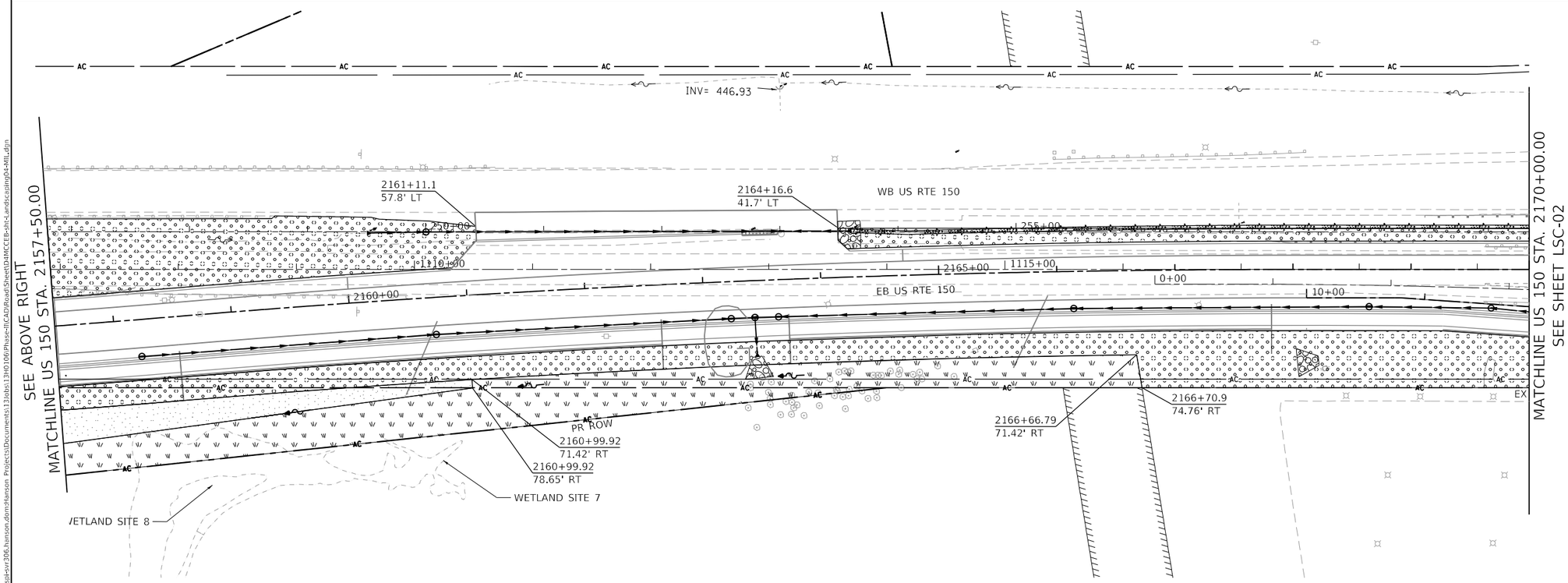
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;[(102-1),(14HB)]BR)BR	PEORIA	1361	572
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

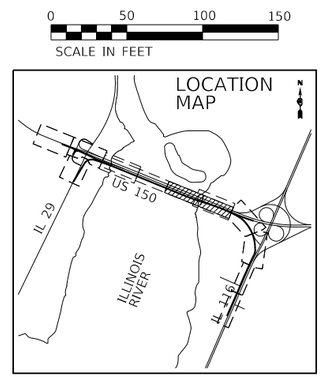
LEGEND:

- TREE
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- SEEDING, CLASS 5B
- INTERSEEDING, CLASS 5C
- RIPRAP
- xxx TEMPORARY FENCE

NOTE:
1. CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF THE BIKE PATH.
2. SEED BED SHALL BE COVERED WITH TOPSOIL 4"







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www.mps-il.com

USER NAME = rwatson	DESIGNED - TN	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LANDSCAPING PLAN

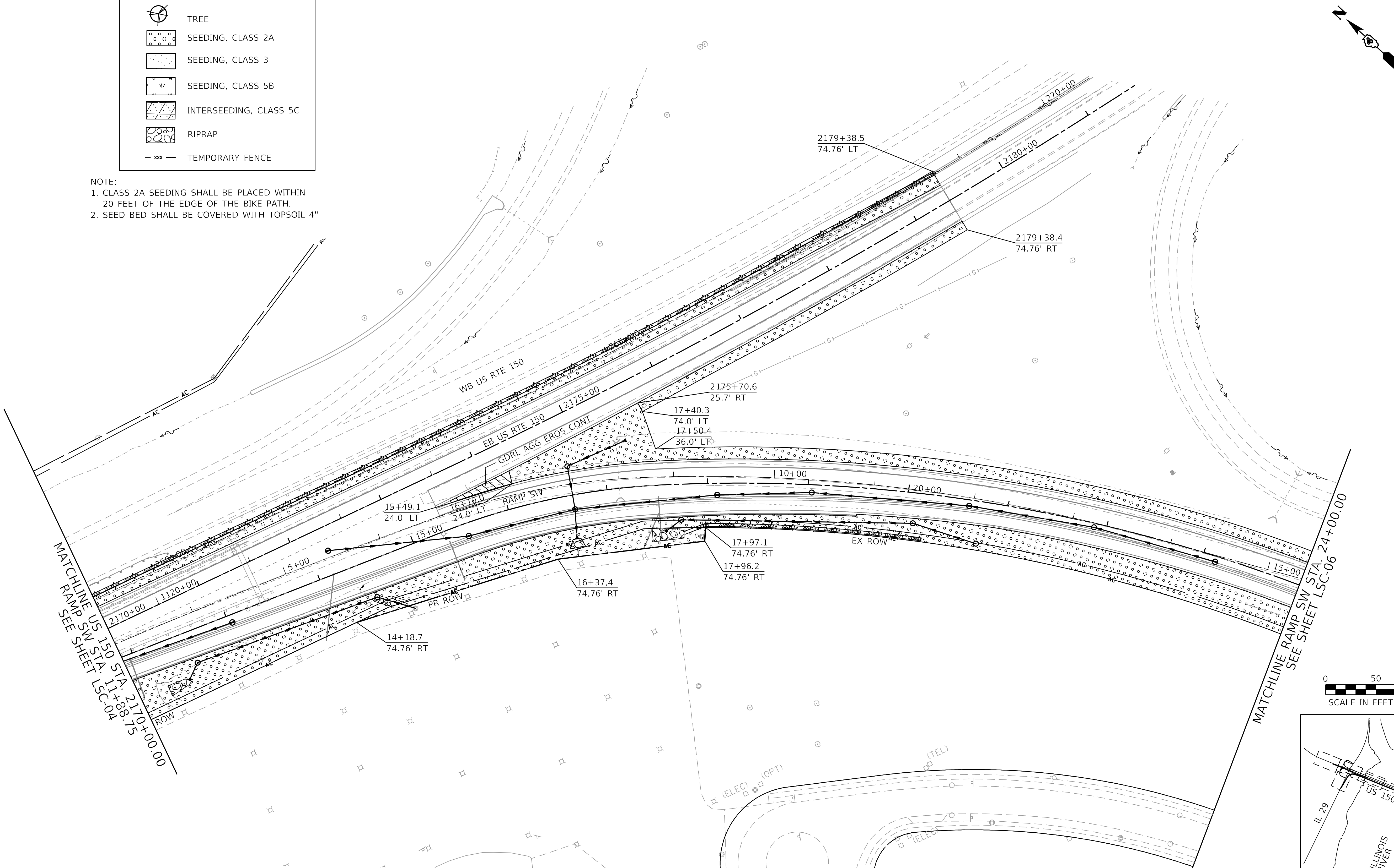
SCALE: 1"=50' | SHEET 4 OF 7 SHEETS | STA. 2147+43.38 | TO STA. 2170+00.00

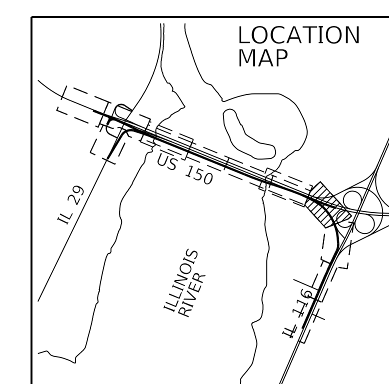
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	573
		CONTRACT NO. 68B46		
	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

LEGEND:

- TREE
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- SEEDING, CLASS 5B
- INTERSEEDING, CLASS 5C
- RIPRAP
- TEMPORARY FENCE

NOTE:
1. CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF THE BIKE PATH.
2. SEED BED SHALL BE COVERED WITH TOPSOIL 4"





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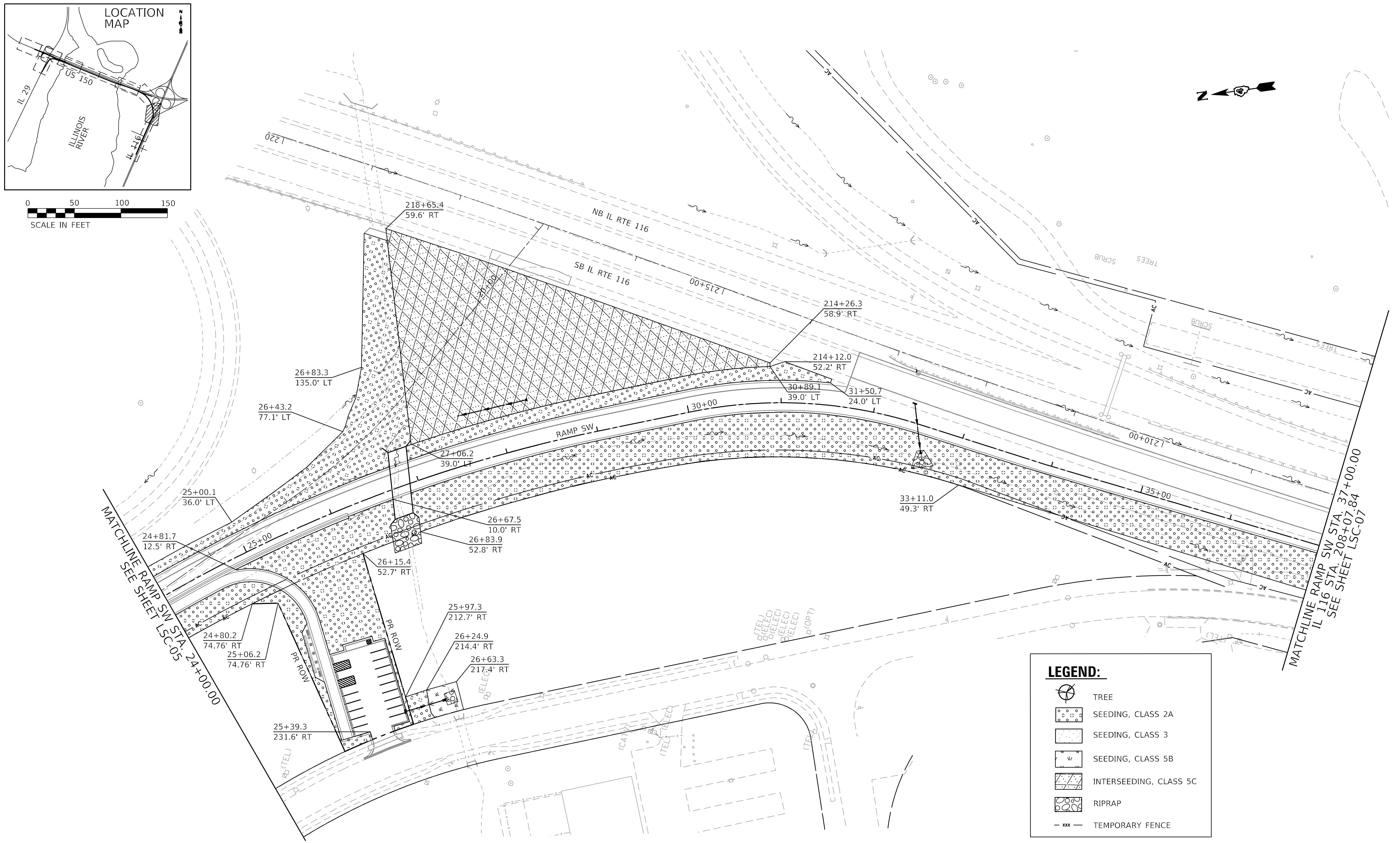
	PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LANDSCAPING PLAN

SCALE: 1"=50' | SHEET 5 OF 7 SHEETS | STA. 2170+00.00 TO STA. 2179+38.36

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	574
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT NHPP-YRP3(905)		



LEGEND:

- TREE
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- SEEDING, CLASS 5B
- INTERSEEDING, CLASS 5C
- RIPRAP
- TEMPORARY FENCE

NOTE:
1. CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF THE BIKE PATH.
2. SEED BED SHALL BE COVERED WITH TOPSOIL 4"

LSC-06

FINAL SUBMITTAL

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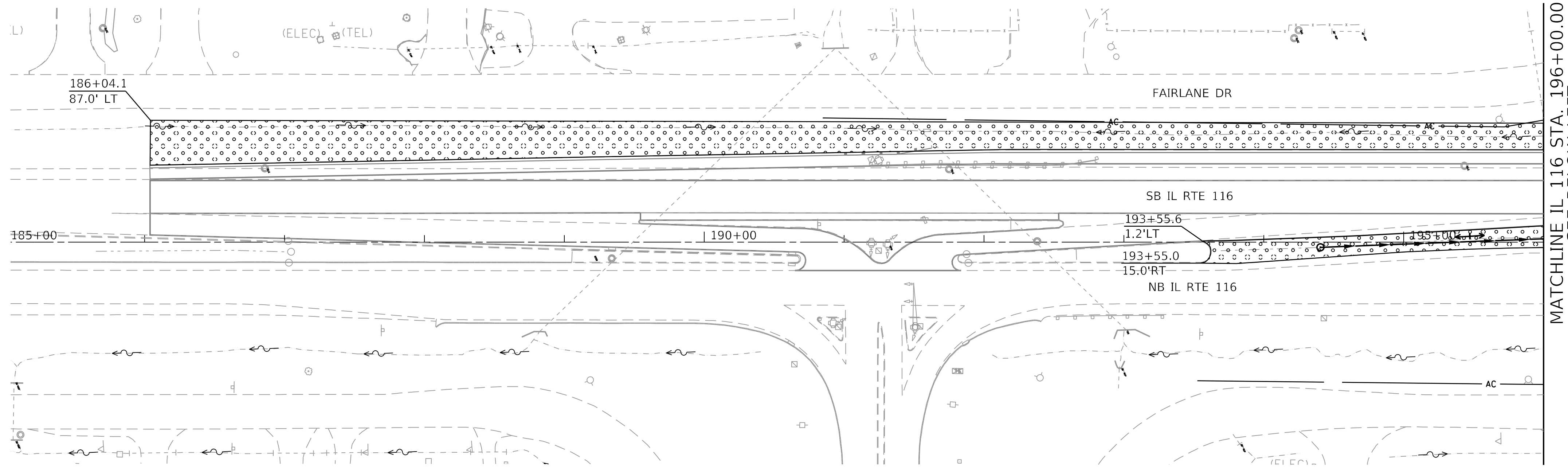
MILLENNIA PROFESSIONAL SERVICES www.mps-il.com	USER NAME = rwatson	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT LANDSCAPING PLAN
		DRAWN - JP	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -		
	PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -		SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 24+00.00 TO STA. 37+00.00

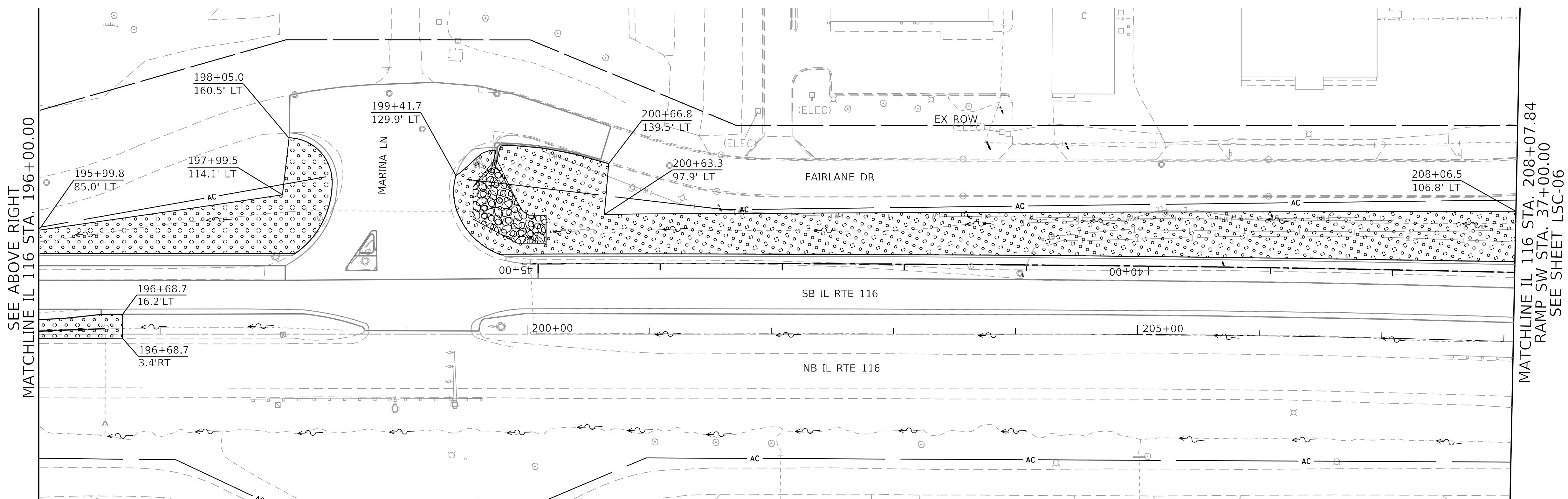
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR)BR	TAZEWELL	1361	575
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT NHPP-YRP3(905)		

LEGEND:

- TREE
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- SEEDING, CLASS 5B
- INTERSEEDING, CLASS 5C
- RIPRAP
- TEMPORARY FENCE

NOTE:
1. CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF THE BIKE PATH.
2. SEED BED SHALL BE COVERED WITH TOPSOIL 4"





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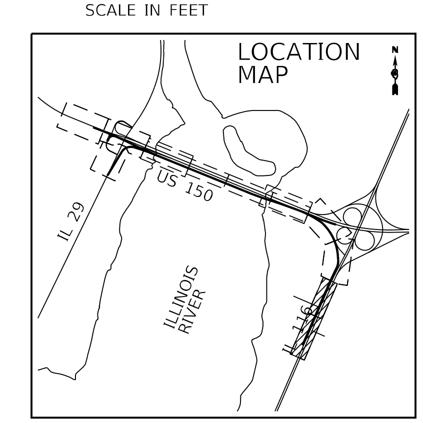

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PLOT SCALE = 100.00 ' / in.	CHECKED - TN	REVISED -	
PLOT DATE = 11/27/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LANDSCAPING PLAN

SCALE: 1"=50' | SHEET 7 OF 7 SHEETS | STA. 186+03.96 TO STA. 208+07.84

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	TAZEWELL	1361	576
		CONTRACT NO. 68B46		
		ILLINOIS FED. AID PROJECT NHPP-YRP3(905)		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B;(102-1)BR)BR	PEORIA/TAZEWELL	1361	577
	ILLINOIS	CONTRACT NO. 68B46		

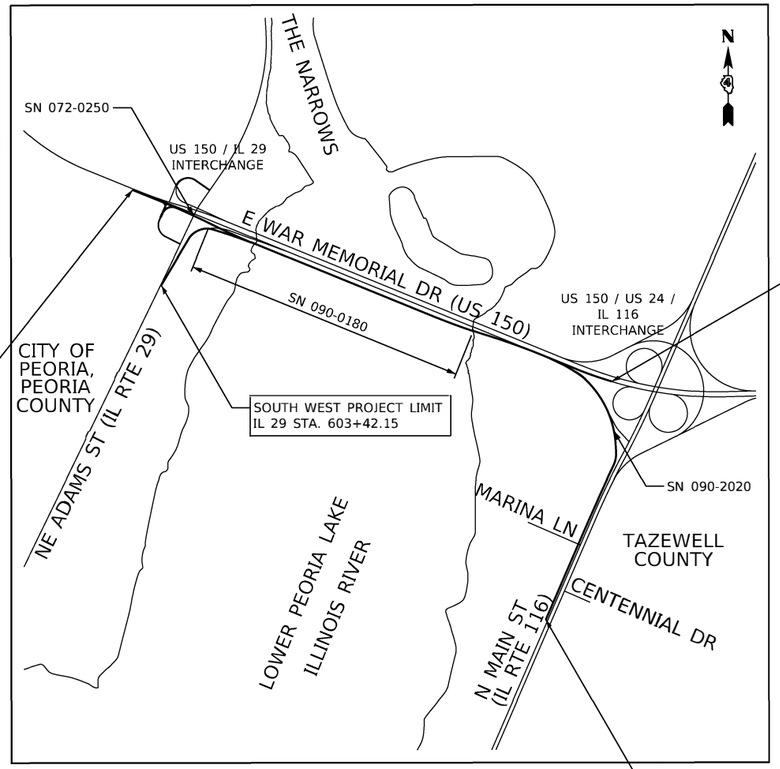
VOLUME 3 OF 5

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

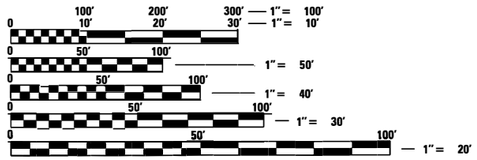
FAP ROUTE 317 AND FAP ROUTE 673
(EASTBOUND US 150 AND SOUTHBOUND IL 116)
SECTION (15B;[(102–1),(14HB)]BR)BR
PROJECT NHPP–YRP3(905)
BRIDGE REPLACEMENT OVER ILLINOIS RIVER AND INTERCHANGE IMPROVEMENTS
PEORIA & TAZEWELL COUNTY

C–94–052–13



GROSS / NET LENGTH = 12,146.79 FT. = 2.301 MILE

	US 150 (WEST SIDE)	UUS 150 (EAST SIDE)	IL 29	IL 116	RAMP A	RAMP B	RAMP E	RAMP SW
FUNCTIONAL CLASSIFICATION:	OTHER PRINCIPAL ARTERIAL	FREEWAY	OTHER PRINCIPAL ARTERIAL	OTHER PRINCIPAL ARTERIAL	RAMP	RAMP	RAMP	RAMP
DESIGN SPEED:	50	55	35	55	15	25	35	40
POSTED SPEED:	45	55	35	55	15	25	35	40
ADT:	41,500	41,500	22,800	28,500	3,300	1,600	4,450	5,780
SU:	1.9%	1.9%	2.7%	2.6%	1.8%	3.7%	2.5%	3.9%
MU:	0.7%	0.7%	2.1%	2.3%	2.1%	0.6%	0.8%	2.2%



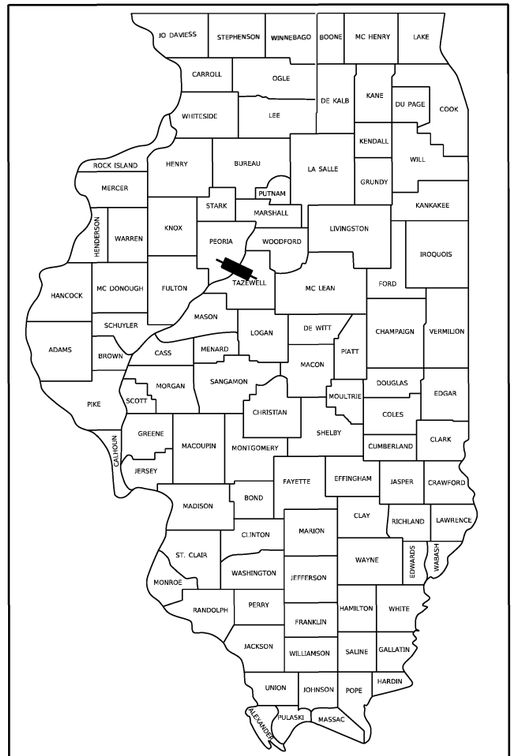
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER – CHRISTOPHER MAUSHARD
PROJECT MANAGER – CHRISTOPHER MAUSHARD
PHONE: (309)671–3453

CONTRACT NO. 68B46
CATALOG NO. 034923–00D

D–94–028–13



LOCATION OF SECTION INDICATED THUS: –

WORK ON THIS PROJECT WILL CONSIST OF: ROADWAY WIDENING, RECONSTRUCTION AND RESURFACING, BRIDGE REPLACEMENT, SAFETY IMPROVEMENTS, DRAINAGE IMPROVEMENTS, BICYCLE AND PEDESTRIAN FACILITY IMPROVEMENTS, ROADWAY SIGNING, PAVEMENT MARKING, AND LANDSCAPING.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ **20** _____

_____
REGION THREE ENGINEER

_____ **20** _____

_____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ **20** _____

_____
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 2/8/19

INDEX OF SHEETS:

FINAL SUBMITTAL

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INDEX-01

TYLIN INTERNATIONAL
200 S. WACKER DR.
SUITE 1400
CHICAGO, IL 60606
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -	
	DRAWN - MPG	REVISED -	
PLOT SCALE = 2.00 ' / in.	CHECKED - DAJ	REVISED -	
PLOT DATE = 12/12/2018	DATE - 11/28/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
INDEX OF SHEETS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:[(102-1),(14HB)]BR)BR	PEO/TAZ	1361	578
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

FIBER OPTIC CABLE SLACK
DOUBLE HANDHOLE: 30.0 FT.
COMMUNICATIONS VAULT: 60.0 FT.
JUNCTION BOX: 10.0 FT.
HANDHOLE: 10 FT.
ITS OR SIGNAL CABINET: 10.0 FT.
CCTV CABINET: 5.0 FT.

LEGEND

- PROP. TYPE 334 OR CCTV CABINET
- PROP. CCTV DOME CAMERA
- PROP. CAMERA POLE
- PROP. COMMUNICATIONS VAULT
- PROP. TRAFFIC COUNTER

ITS CONSTRUCTION NOTES	
1.	THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO COMMENCING WORK ON THE PROJECT.
2.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
3.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
4.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03 UNLESS SPECIFIED OTHERWISE.
5.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
6.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
7.	THE LOCATIONS FOR CAMERA POLES, TRAFFIC COUNTER POLES, AND CONCRETE FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
8.	THE COMMUNICATION VAULTS AND CONCRETE HANDHOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
9.	COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR UNDERGROUND CONDUIT.
10.	POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT PAY ITEMS.
11.	REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS FOR UTILITY LOCATING PURPOSES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
12.	NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
13.	THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
14.	THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM THE HANDHOLES, JUNCTION BOXES, AND CONTROLLER CABINETS. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE FIBER OPTIC CABLE IN CONDUIT PAY ITEM.
16.	THE CONTRACTOR SHALL STUB OUT TWO 2" DIA. PVC CONDUITS OUT OF ALL COMMUNICATION VAULTS AND HEAVY DUTY HANDHOLES THAT ARE INSTALLED UNDER CONCRETE OR BITUMINOUS SHOULDERS OR PAVEMENT TO PROVIDE FUTURE ACCESS TO THESE FACILITIES. THE CONDUITS SHALL BE EXTENDED TWO FEET BEYOND THE LIMITS OF THE SHOULDER OR PAVEMENT AND CAPPED. THE COST OF INSTALLING THESE CONDUITS SHALL BE INCLUDED IN THE UNIT BID PRICES FOR "COMMUNICATIONS VAULT".

MCCLUGAGE BRIDGE ITS SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	5705.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	321.0
CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., PVC	FOOT	440.0
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	6.0
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 12" X 12" X 6	EACH	2.0
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	5.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	18119.5
TRANSFORMER, GENERAL PURPOSE	EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	6.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30.0
DRILL EXISTING HANDHOLE	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2.0
TRAFFIC COUNTER	EACH	3.0
CAMERA POLE, 45 FT	EACH	2.0
CABINET, MODEL 334	EACH	2.0
SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	1.0
CLOSED CIRCUIT TELEVISION CAMERA	EACH	2.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	4.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA (MATERIAL ONLY)	EACH	1.0
REMOVE EXISTING ITS EQUIPMENT	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	1471.0
VIDEO DETECTION SYSTEM	EACH	2.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED (MATERIAL ONLY)	EACH	2.0
DATA SERVER	L SUM	1.0
REMOVE AND REPLACE ITS EQUIPMENT	EACH	2.0
REPLACEMENT OF SENSORS FOR ROADWAY WEATHER INFORMATION SYSTEM	L SUM	1.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	10.0
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	160.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	15443.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	9.0
CONCRETE FOUNDATION (SPECIAL)	FOOT	7.0
COMMUNICATIONS VAULT	EACH	8.0

IDOT

USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

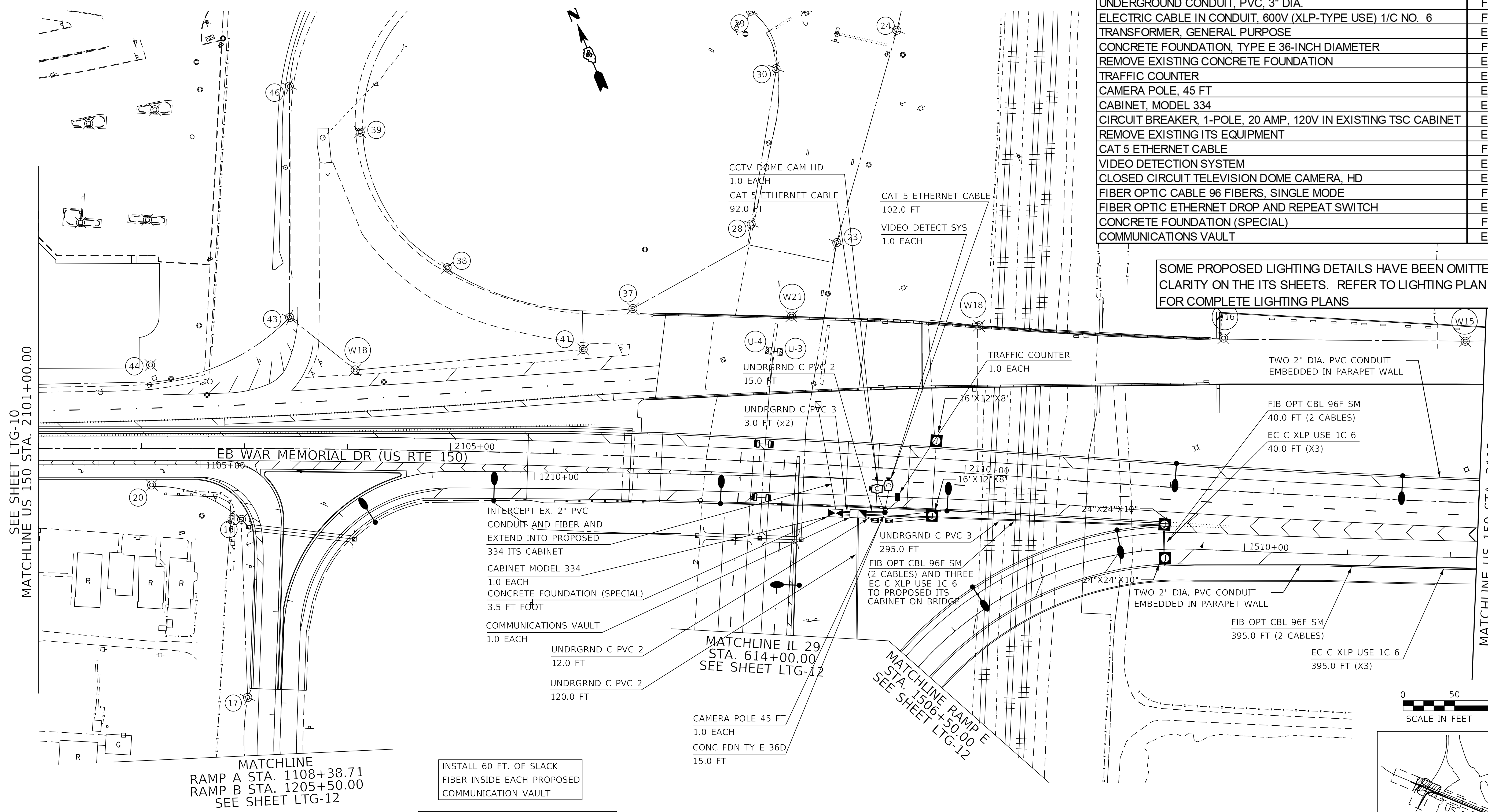
ITS FIBER SCHEDULE OF QUANTITIES AND CONSTRUCTION NOTES

SHEET 1 OF 19 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:(102-1)BR]BR		1361	579
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

SCHEDULE OF QUANTITIES PLAN SHEET ITS-02		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	147.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	301.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2274.0
TRANSFORMER, GENERAL PURPOSE	EACH	1.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2.0
TRAFFIC COUNTER	EACH	1.0
CAMERA POLE, 45 FT	EACH	1.0
CABINET, MODEL 334	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1.0
REMOVE EXISTING ITS EQUIPMENT	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	194.0
VIDEO DETECTION SYSTEM	EACH	1.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	1652.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
CONCRETE FOUNDATION (SPECIAL)	FOOT	3.5
COMMUNICATIONS VAULT	EACH	1.0

SOME PROPOSED LIGHTING DETAILS HAVE BEEN OMITTED FOR CLARITY ON THE ITS SHEETS. REFER TO LIGHTING PLAN SHEETS FOR COMPLETE LIGHTING PLANS



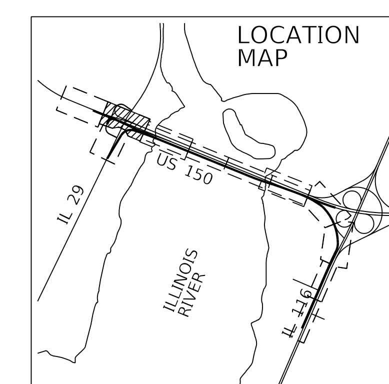
INSTALL 60 FT. OF SLACK FIBER INSIDE EACH PROPOSED COMMUNICATION VAULT

EC C XLP USE 1C 6 - QTY. 20.0 FT (X3)
INSTALL THREE #6 1/C CABLES FROM EXISTING LIGHTING CONTROLLER CABINET TO PROPOSED ITS TYPE 334 CABINET

CB 1P 20A/120V EX CAB - QTY. 1.0 EACH
INSTALL 20A CIRCUIT BREAKER INSIDE PROP. LIGHTING CONTROLLER CABINET TO PROVIDE POWER TO PROPOSED ITS TYPE 334 CABINET

REM EXIST ITS EQUIPMT - QTY. 1.0 EACH
THE CONTRACTOR SHALL REMOVE THE EXISTING CAMERA, CAMERA POLE, ITS CABINET, AND ITS ELECTRICAL SERVICE. THE CONTRACTOR SHALL DELIVER THE CAMERA AND CAMERA POLE TO THE IDOT MAINTENANCE FACILITY LOCATED AT 6500 W US ROUTE 150, EDWARDS.

REMOV EX CONC FDN - QTY. 2.0 EACH
THE CONTRACTOR SHALL REMOVE THE EXISTING CAMERA POLE AND ITS CABINET FOUNDATIONS IN ACCORDANCE WITH ARTICLE 895.05 OF THE STANDARD SPECIFICATIONS



ITS-02

IDOT

USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED ITS PLAN

SCALE: SHEET 2 OF 19 SHEETS STA. TO STA.

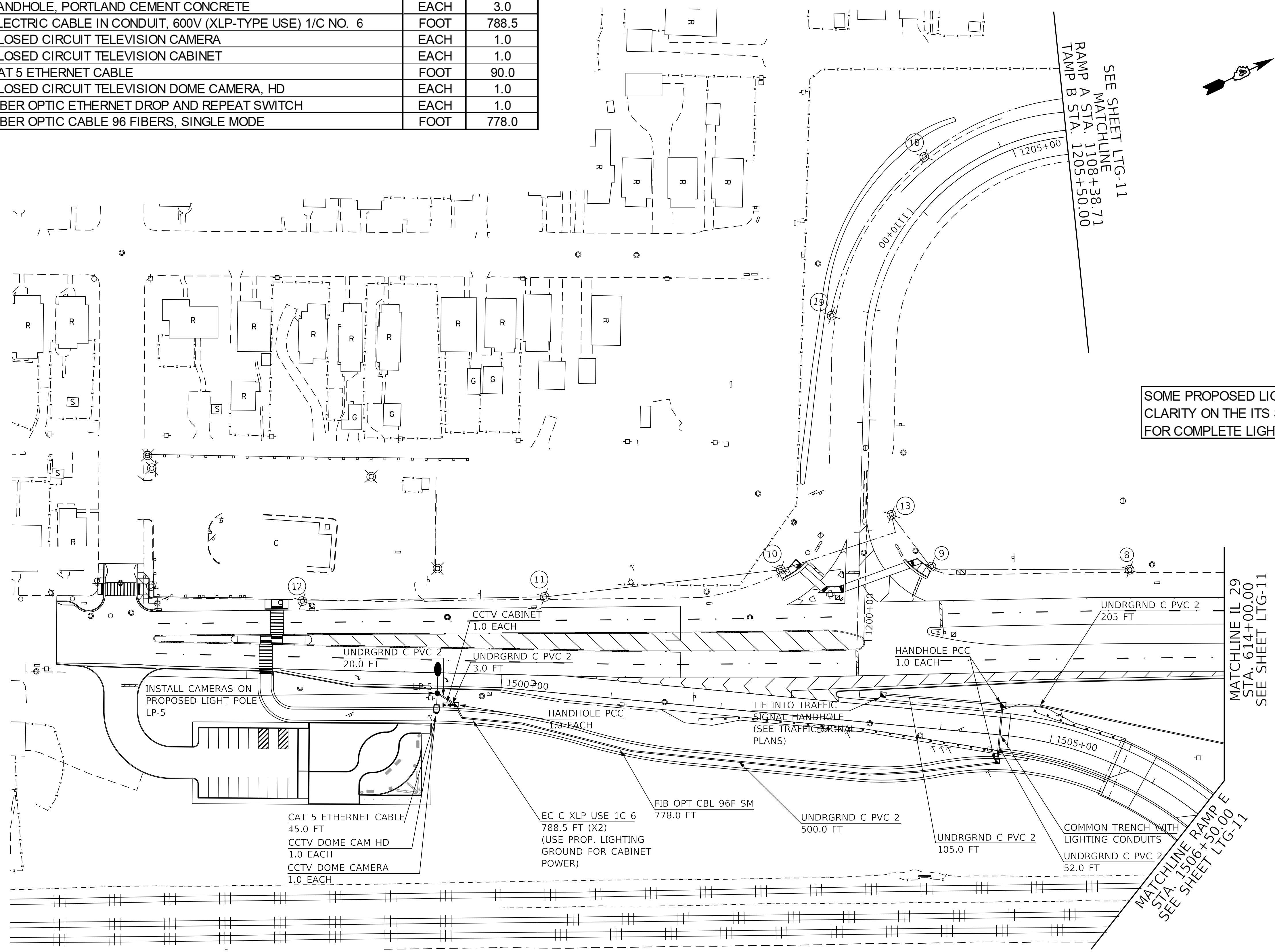
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	580

CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

SCHEDULE OF QUANTITIES PLAN SHEET ITS-03		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	885.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	788.5
CLOSED CIRCUIT TELEVISION CAMERA	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	90.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	778.0

SOME PROPOSED LIGHTING DETAILS HAVE BEEN OMITTED FOR CLARITY ON THE ITS SHEETS. REFER TO LIGHTING PLAN SHEETS FOR COMPLETE LIGHTING PLANS



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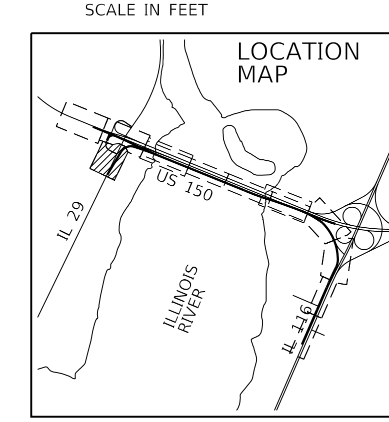


ITS-03

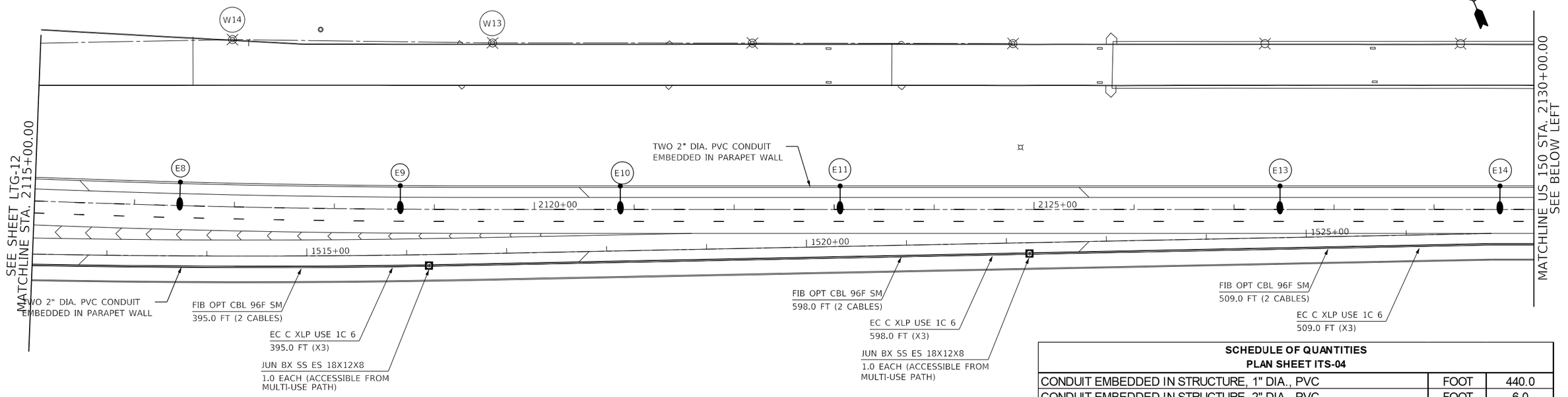
IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PROPOSED ITS PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SCALE: SHEET 3 OF 19 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	581

CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

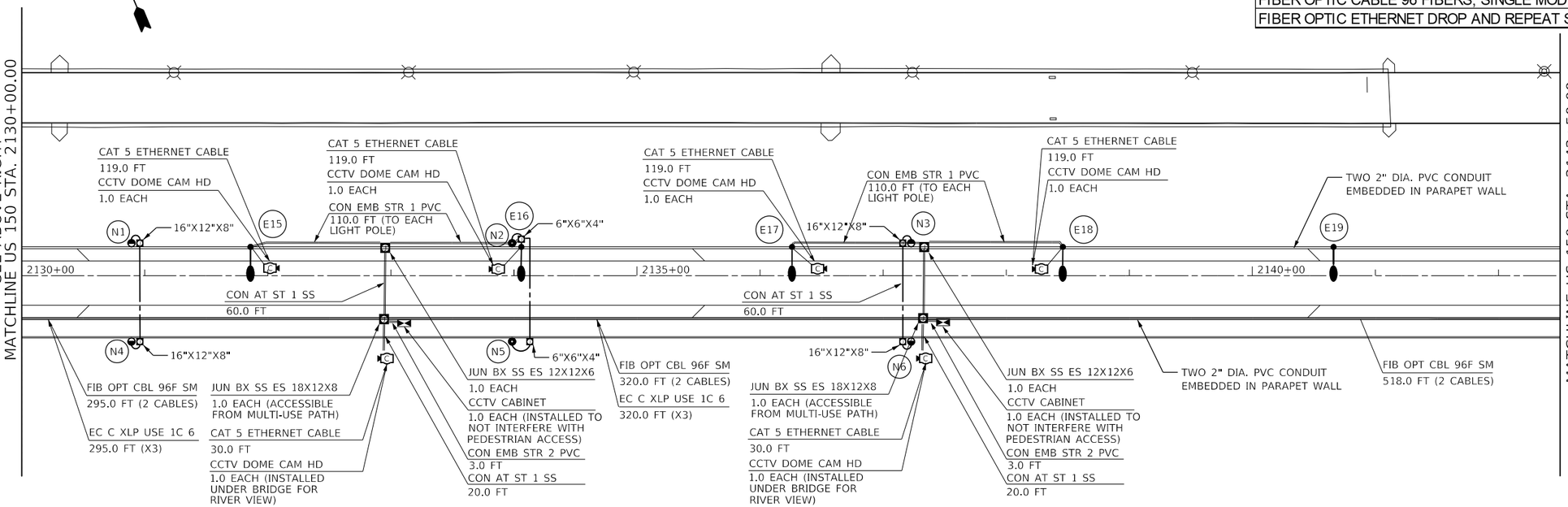
MODEL: Default



SOME PROPOSED LIGHTING DETAILS HAVE BEEN OMITTED FOR CLARITY ON THE ITS SHEETS. REFER TO LIGHTING PLAN SHEETS FOR COMPLETE LIGHTING PLANS

SCHEDULE OF QUANTITIES
PLAN SHEET ITS-04

CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., PVC	FOOT	440.0
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	6.0
JUNCTION BOX, SS, EMBEDDED IN STRUCTURE, 12" X 12" X 6"	EACH	2.0
JUNCTION BOX, SS, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	4.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	6441.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	2.0
CAT 5 ETHERNET CABLE	FOOT	536.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	6.0
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	160.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	6841.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0



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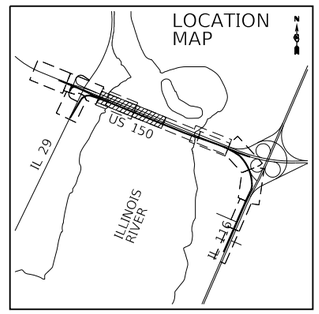

ITS-04

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IDOT

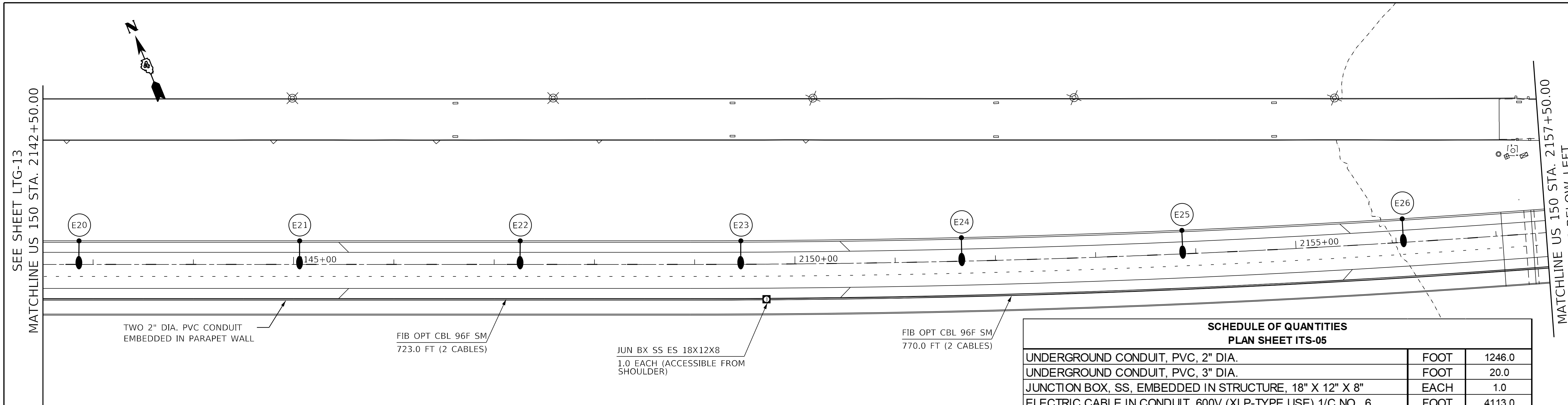
USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED ITS PLAN

SCALE: | SHEET 4 OF 19 SHEETS | STA. | TO STA.

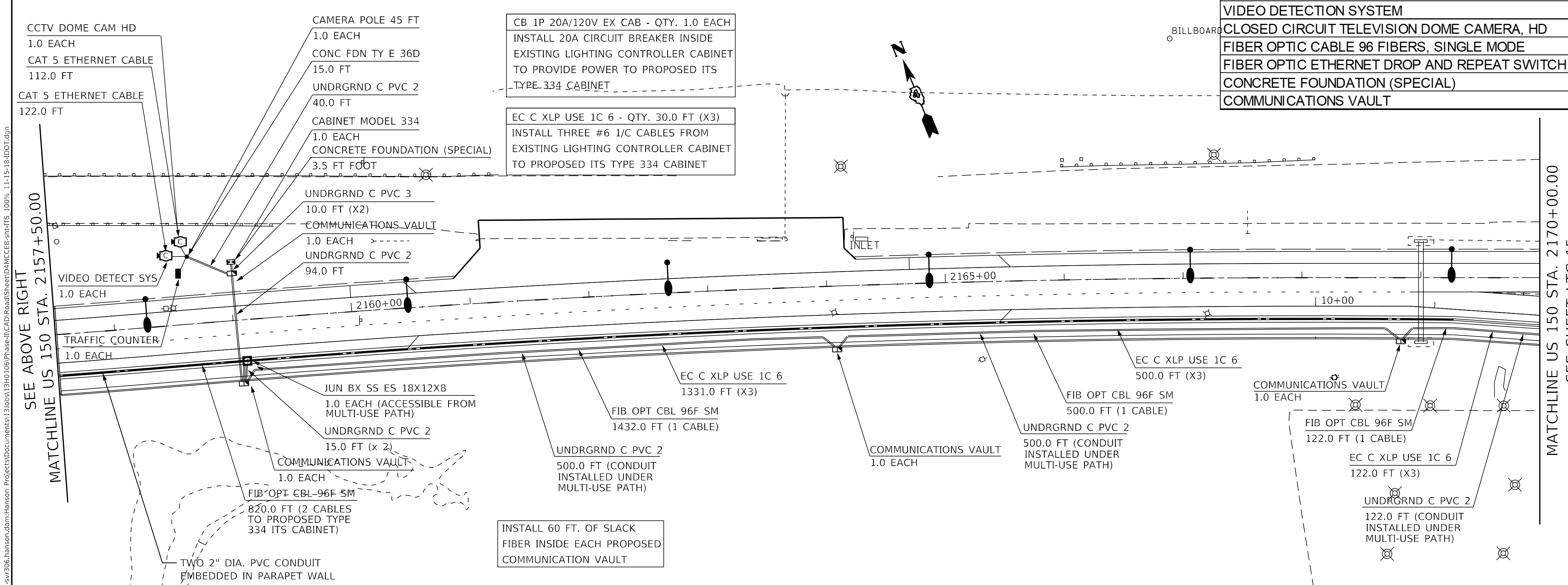
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:(102-1)BR]BR		1361	582
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)



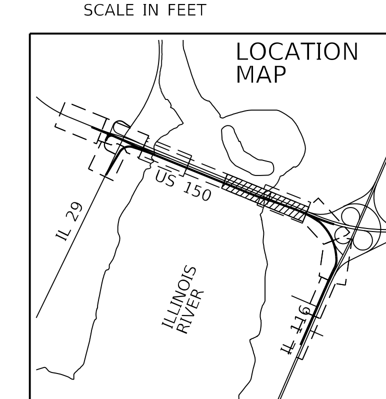
SCHEDULE OF QUANTITIES
PLAN SHEET ITS-05

UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1246.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	20.0
JUNCTION BOX, SS, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	4113.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15.0
TRAFFIC COUNTER	EACH	1.0
CAMERA POLE, 45 FT	EACH	1.0
CABINET, MODEL 334	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	234.0
VIDEO DETECTION SYSTEM	EACH	1.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	2317.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
CONCRETE FOUNDATION (SPECIAL)	FOOT	3.5
COMMUNICATIONS VAULT	EACH	4.0

SOME PROPOSED LIGHTING DETAILS HAVE BEEN OMITTED FOR CLARITY ON THE ITS SHEETS. REFER TO LIGHTING PLAN SHEETS FOR COMPLETE LIGHTING PLANS



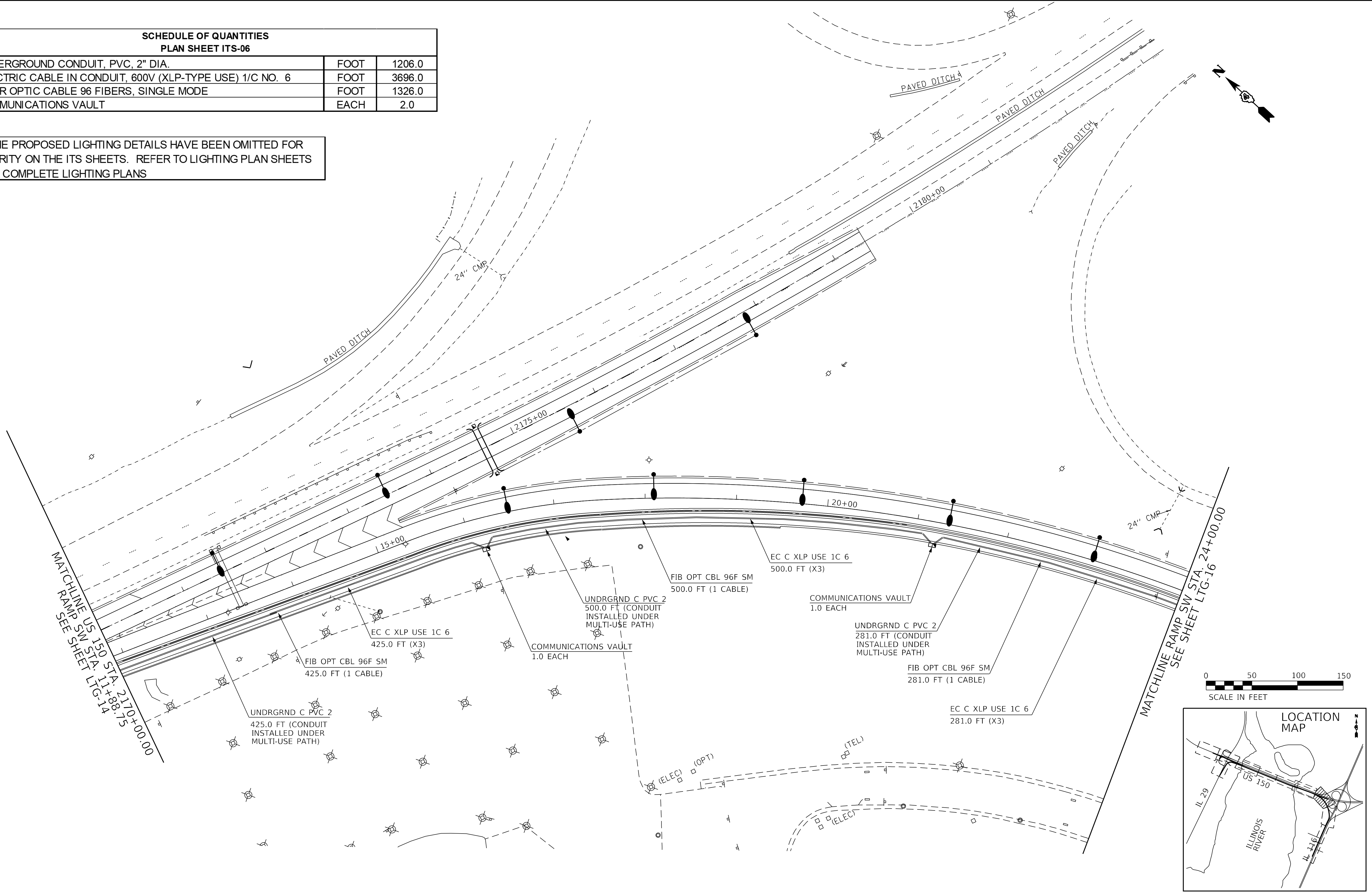
INSTALL 60 FT. OF SLACK FIBER INSIDE EACH PROPOSED COMMUNICATION VAULT



ITS-05

SCHEDULE OF QUANTITIES PLAN SHEET ITS-06		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1206.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3696.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	1326.0
COMMUNICATIONS VAULT	EACH	2.0

SOME PROPOSED LIGHTING DETAILS HAVE BEEN OMITTED FOR CLARITY ON THE ITS SHEETS. REFER TO LIGHTING PLAN SHEETS FOR COMPLETE LIGHTING PLANS



ITS-06

IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PROPOSED ITS PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SCALE: SHEET 6 OF 19 SHEETS STA. 2170+00.00 TO STA. 24+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	584
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

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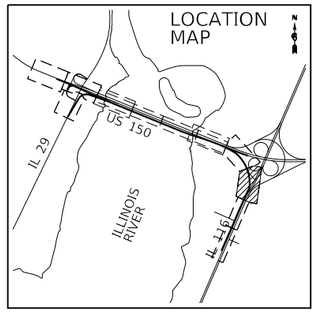

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SCALE IN FEET

SOME PROPOSED LIGHTING DETAILS HAVE BEEN OMITTED FOR CLARITY ON THE ITS SHEETS. REFER TO LIGHTING PLAN SHEETS FOR COMPLETE LIGHTING PLANS

EC C XLP USE 1C 6
215.0.0 FT (X3)

FIB OPT CBL 96F SM
215.0 FT (1 CABLE)

UNDRGRND C PVC 2
215.0 FT (CONDUIT INSTALLED UNDER MULTI-USE PATH)

COMMUNICATIONS VAULT
1.0 EACH

30+00

FIB OPT CBL 96F SM
988.0 FT

UNDRGRND C PVC 2
988.0 FT

35+00

37+00.00

MATCHLINE RAMP SW STA. 37+07.84
IL 116 STA. 208+07.84
SEE SHEET LTG-17

125+00

UNDRGRND C PVC 2
30.0 FT

CCTV DOME CAM HD
1.0 EACH

CCTV DOME CAMERA
1.0 EACH

CAT 5 ETHERNET CABLE
40.0 FT

CCTV CABINET
1.0 EACH

LT P GS 45MH TEN MT
1.0 EACH

LIGHT POLE FDN 30D
6.5 FT

MATCHLINE RAMP SW STA. 24+00.00
SEE SHEET LTG-15

(TEL) (ELEC) (ELEC) (ELEC) (ELEC) (OPT)

(ELEC)

(CAT) (TEL) (ELEC)

(TEL)

(TEL)

COMMUNICATIONS VAULT
1.0 EACH

UNDRGRND C PVC 2
78.0 FT

FIB OPT CBL 96F SM
78.0 FT (1 CABLE)

SCHEDULE OF QUANTITIES
PLAN SHEET ITS-07

UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1311.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	807.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	1.0
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	6.5
CLOSED CIRCUIT TELEVISION CAMERA	EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	90.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	1547.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0
COMMUNICATIONS VAULT	EACH	1.0

ITS-07

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IDOT

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	DRAWN -	REVISED -	
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/28/2018	DATE -	REVISED -	

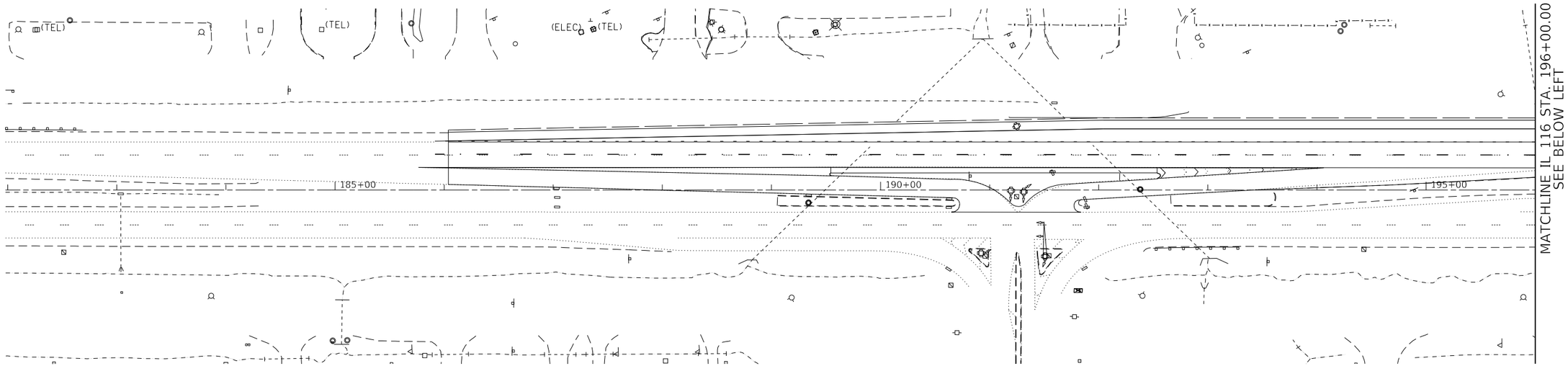
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

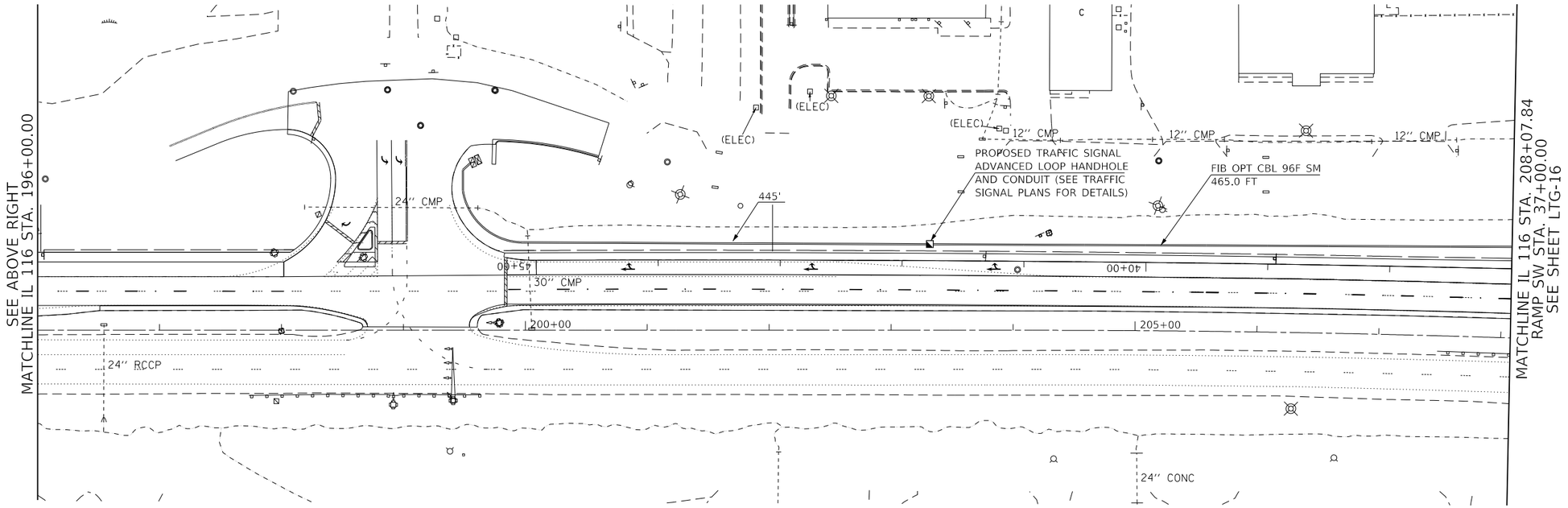
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED ITS PLAN

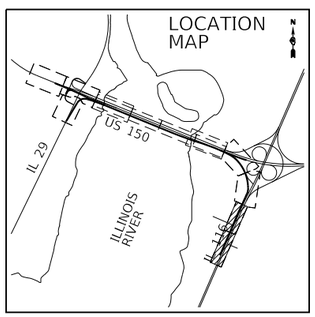
SCALE: | SHEET 7 OF 19 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	585
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

SCHEDULE OF QUANTITIES PLAN SHEET ITS-08		
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	910.0
DRILL EXISTING HANDHOLE	EACH	1.0
FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	982.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1.0







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ITS-08

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IDOT

USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED ITS PLAN

SCALE: | SHEET 8 OF 19 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	586
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	

SCHEDULE OF QUANTITIES PLAN SHEET ITS-09		
TRAFFIC COUNTER	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	332.0
REMOVE AND REPLACE ITS EQUIPMENT	EACH	1.0

THE CONTRACTOR SHALL FURNISH A TRAFFIC COUNTER AND INSTALL IT ON THE EXISTING MAST ARM FOR SOUTHBOUND IL 116 TRAFFIC AT THE INTERSECTION OF IL 116 & ACCESS ROAD 8. THIS WORK WILL BE PAID FOR AS "TRAFFIC COUNTER".

THE CONTRACTOR SHALL FURNISH A ND INSTALL CAT 5E CABLE FROM THE PROPOSED TRAFFIC COUNTER TO THE EXISTING TRAFFIC SIGNAL CABINET LOCATED AT THE INTERSECTION OF IL 116 & ACCESS RD. 8. THIS WORK WILL BE PAID FOR AS "CAT 5 ETHERNET CABLE".

THE CONTRACTOR SHALL INSTALL THE EXISTING ELECTRICAL CABLES INTO THE PROPOSED CONTROLLER CABINET AND RELOCATE THE EXISTING FIBER OPTIC TERMINATION PANEL TO THE PROPOSED CONTROLLER CABINET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED DYNAMIC MESSAGE SIGN.

THE CONTRACTOR SHALL REMOVE THE EXISTING DYNAMIC MESSAGE SIGN, SIGN CONTROLLER CABINET, AND STAINLESS STEEL JUNCTION BOXES AND DISPOSE OF THEM OFF THE ROW. THIS WORK WILL BE PAID FOR AS "REMOVE AND REPLACE ITS EQUIPMENT" AND THE CONTRACTOR SHALL REFLECT THE SALVAGE VALUE OF THE REMOVAL ITEMS IN THE BID PRICE.

THE CONTRACTOR SHALL FURNISH AND INSTALL THE PROPOSED DYNAMIC MESSAGE SIGN AND CONTROLLER CABINET ONTO THE EXISTING STRUCTURAL STEEL SIGN SUPPORTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW STRUCTURAL STEEL HARDWARE, CONDUITS, BRACKETS, AND ALL OTHER ITEMS REQUIRED FOR SIGN INSTALLATION. THIS WORK WILL BE PAID FOR AS "REMOVE AND REPLACE ITS EQUIPMENT".

THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO BIDDING. THE PROPOSED DMS SHALL BE DESIGNED FOR INSTALLATION ON THE EXISTING STRUCTURAL STEEL SUPPORTS.

ITS-09

IDOT

USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
DMS SIGN REPLACEMENT – IL 116 SB & ACCESS RD. 9

SHEET 9 OF 19 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	587
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

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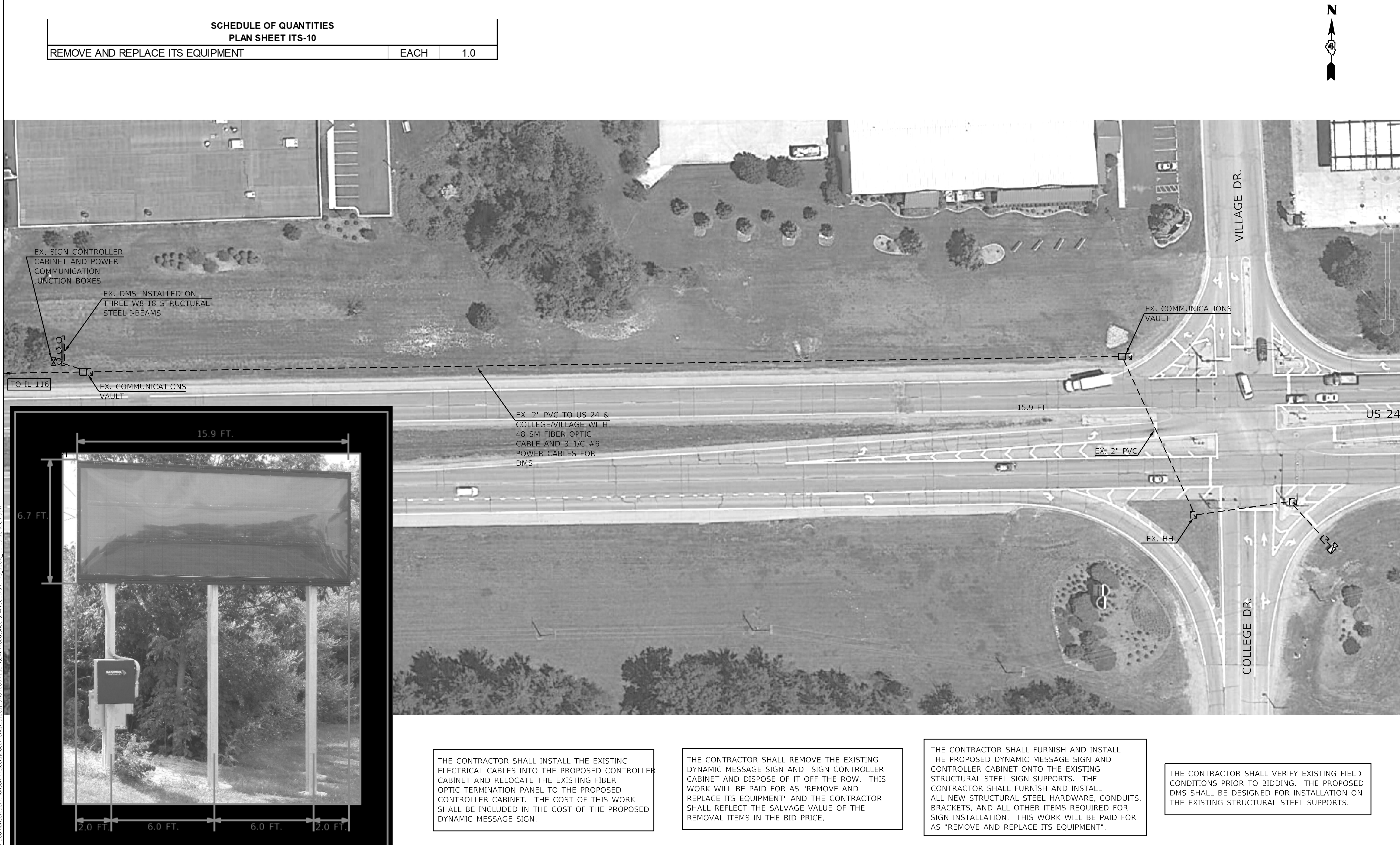
SCHEDULE OF QUANTITIES PLAN SHEET ITS-10		
REMOVE AND REPLACE ITS EQUIPMENT	EACH	1.0



THE CONTRACTOR SHALL INSTALL THE EXISTING ELECTRICAL CABLES INTO THE PROPOSED CONTROLLER CABINET AND RELOCATE THE EXISTING FIBER OPTIC TERMINATION PANEL TO THE PROPOSED CONTROLLER CABINET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED DYNAMIC MESSAGE SIGN.

THE CONTRACTOR SHALL REMOVE THE EXISTING DYNAMIC MESSAGE SIGN AND SIGN CONTROLLER CABINET AND DISPOSE OF IT OFF THE ROW. THIS WORK WILL BE PAID FOR AS "REMOVE AND REPLACE ITS EQUIPMENT" AND THE CONTRACTOR SHALL REFLECT THE SALVAGE VALUE OF THE REMOVAL ITEMS IN THE BID PRICE.

THE CONTRACTOR SHALL FURNISH AND INSTALL THE PROPOSED DYNAMIC MESSAGE SIGN AND CONTROLLER CABINET ONTO THE EXISTING STRUCTURAL STEEL SIGN SUPPORTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW STRUCTURAL STEEL HARDWARE, CONDUITS, BRACKETS, AND ALL OTHER ITEMS REQUIRED FOR SIGN INSTALLATION. THIS WORK WILL BE PAID FOR AS "REMOVE AND REPLACE ITS EQUIPMENT".

THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO BIDDING. THE PROPOSED DMS SHALL BE DESIGNED FOR INSTALLATION ON THE EXISTING STRUCTURAL STEEL SUPPORTS.

	REPLACEMENT OF SENSORS FOR ROADWAY WEATHER INFORMATION SYSTEM
1.	THE CONTRACTOR SHALL INSTALL NEW IN-PAVEMENT SENSORS IN THE BRIDGE DECK OF THE PROPOSED STRUCTURE FOR USE WITH THE EXISTING RWIS SYSTEM.
2.	ALL EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE COMPATIBLE WITH THE EXISTING STATEWIDE RWIS (ROADWAY WEATHER INFORMATION SYSTEM).
3.	ALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY SURFACE SYSTEMS INC. (SSI), A DIVISION OF QUIXOTE TRANSPORTATION TECHNOLOGIES (QTT-VAISALA) TO ENSURE COMPATIBILITY WITH AND INTEGRATION INTO THE STATEWIDE SYSTEM.
4.	THE EXISTING STATEWIDE RWIS SYSTEM HAS BEEN INSTALLED BY AND IS CURRENTLY MAINTAINED BY SURFACE SYSTEMS, INC, 1862 CRAIG PARK COURT, ST. LOUIS, MO 63146. TELEPHONE: (877) 824-7252. THE CONTACT IS KURT KINION (314) 705-0791.
5.	THE CONTRACTOR SHALL COMPLETE THE FOLLOWING WORK ITEMS: • DISCONNECT POWER AND AFFECTED SENSORS FROM THE RWIS CONTROL CABINET TO PREVENT DAMAGE TO THE EXISTING FACILITY. • INSTALL ONE NEW PASSIVE PAVEMENT SENSOR (FP2000) IN THE BRIDGE DECK FOR EACH VEHICULAR DRIVING LANE OF THE PROPOSED EASTBOUND STRUCTURE. (QTY. 3) • INSTALL ONE NEW SUB SURFACE TEMPERATURE SENSOR IN THE OUTSIDE LANE ON THE APPROACH FOR PROPOSED STRUCTURE. • INSTALL ONE NEW SUB SURFACE TEMPERATURE SENSOR IN THE INSIDE LANE ON THE APPROACH FOR PROPOSED STRUCTURE. • FURNISH AND INSTALL ALL CONDUITS, ELECTRIC CABLES, JUNCTION BOXES, AND ALL OTHER ITEMS REQUIRED TO INSTALL THE SENSORS AND INTEGRATE THEM INTO THE EXISTING RWIS CONTROL CABINET AND RESTORE FUNCTIONALITY TO THE RWIS SITE. • COORDINATE ALL WORK WITH VAISALA TO DETERMINE SENSOR LOCATIONS FOR OPTIMUM PERFORMANCE. • INTEGRATE ALL ITEMS INTO THE EXISTING RWIS SITE, COMMISSION, PERFORM SYSTEM TESTING.
6.	SENSOR INSTALLATION SHALL CONSIST OF FURNISHING THE SENSOR AND INSTALLING THE SENSOR IN THE BRIDGE DECK OR SUB SURFACE.
7.	THE CONTRACTOR SHALL SUBMIT CATALOG CUT SHEETS TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO ORDERING ANY MATERIALS.
8.	ALL CONDUIT, INCLUDING BRACKETS, HARDWARE, AND OTHER ITEMS ATTACHED TO STRUCTURE SHALL BE STAINLESS STEEL. ALL WORK SHALL CONFORM TO NEC REQUIREMENTS.
9.	THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO INSTALL THE SENSORS AND CONNECT THEM TO THE EXISTING RWIS CONTROL CABINET.
10.	THIS COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR "REPLACEMENT OF SENSORS FOR ROADWAY WEATHER INFORMATION SYSTEM".

SCHEDULE OF QUANTITIES PLAN SHEET ITS-11		
REPLACEMENT OF SENSORS FOR ROADWAY WEATHER INFORMATION SYSTEM	L SUM	1.0

IDOT

USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
ROADWAY WEATHER INFORMATION SYSTEM SENSOR REPLACEMENT

SCALE: | SHEET 11 OF 19 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	589
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

FIBER OPTIC CABLE TERMINATION NOTES (SINGLE MODE CABLE)

1. THE PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED AS SHOWN ON THE FIBER OPTIC LINE/TERMINATION DIAGRAM.

2. ALL CABLE SPLICES AND TERMINATIONS SHALL BE FUSION SPLICED.

3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR FIBER OPTIC CABLE TERMINATION, INCLUDING, BUT NOT LIMITED TO, BREAKOUT KITS, FANOUT KITS, ENCLOSURES, WEATHERPROOF SPLICE BOOTS, SPLICE SLEEVES, CONNECTORS, ETC.

4. ALL ST AND LC CONNECTORS SHALL BE FUSION SPLICED UTILIZING PRE-FORMED CABLES WITH CONNECTORS THAT ARE FUSION SPLICED TO THE PROPOSED FIBER.

5. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED FIBER OPTIC CABLE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

IDOT

USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

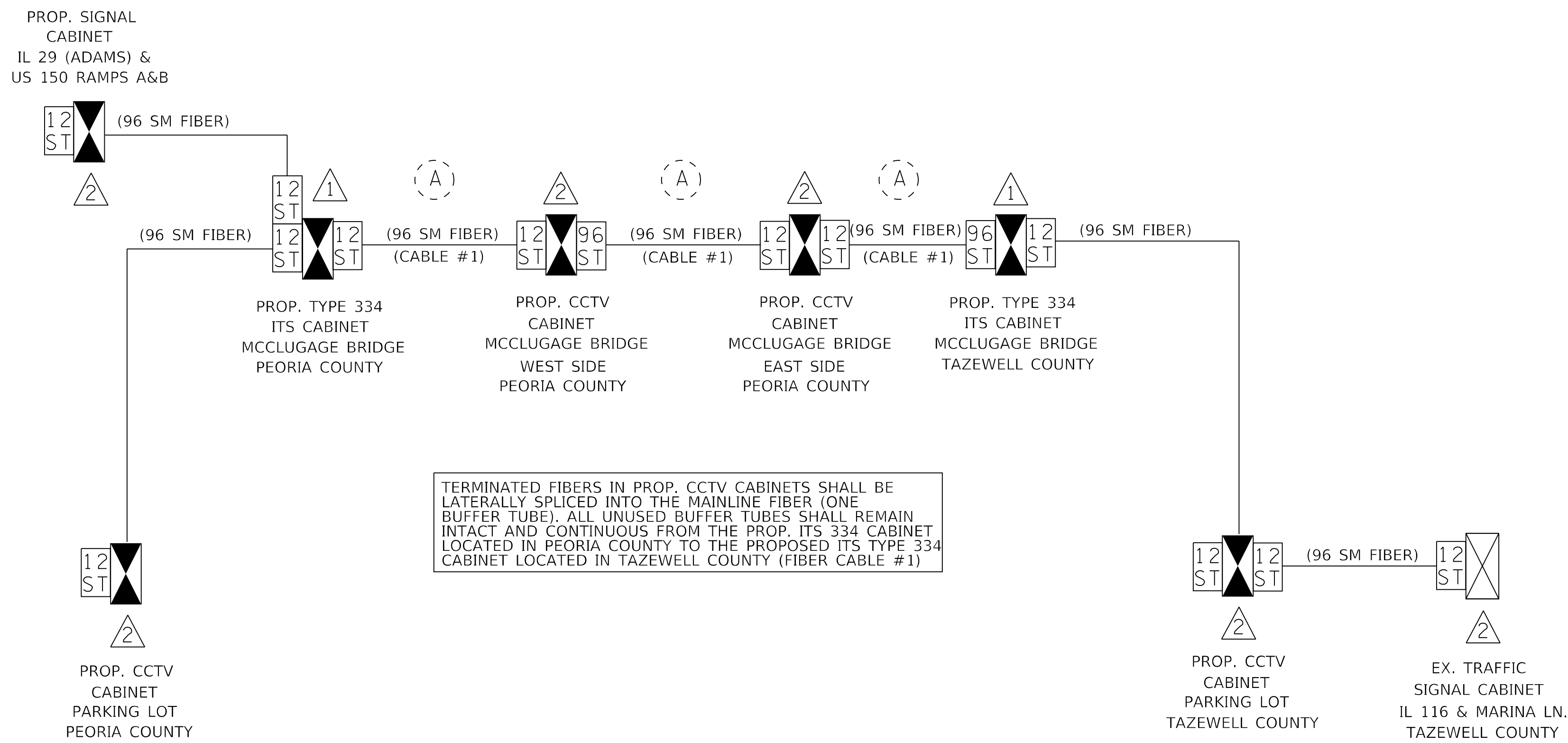
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC CABLE TERMINATION NOTES

SCALE: | SHEET 12 OF 19 SHEETS

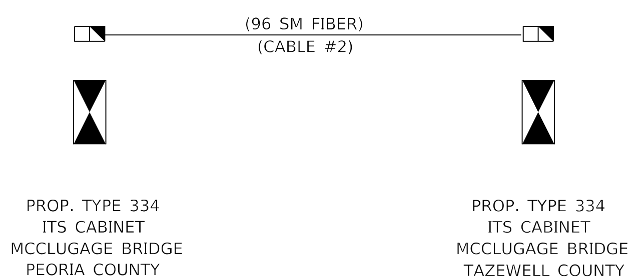
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:(102-1)BR]BR		1361	590
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

FIBER CABLE #1 (96 FIBER, SINGLE MODE)



TERMINATED FIBERS IN PROP. CCTV CABINETS SHALL BE LATERALLY SPLICED INTO THE MAINLINE FIBER (ONE BUFFER TUBE). ALL UNUSED BUFFER TUBES SHALL REMAIN INTACT AND CONTINUOUS FROM THE PROP. ITS 334 CABINET LOCATED IN PEORIA COUNTY TO THE PROPOSED ITS TYPE 334 CABINET LOCATED IN TAZEWELL COUNTY (FIBER CABLE #1)

FIBER CABLE #1 (96 FIBER, SINGLE MODE)



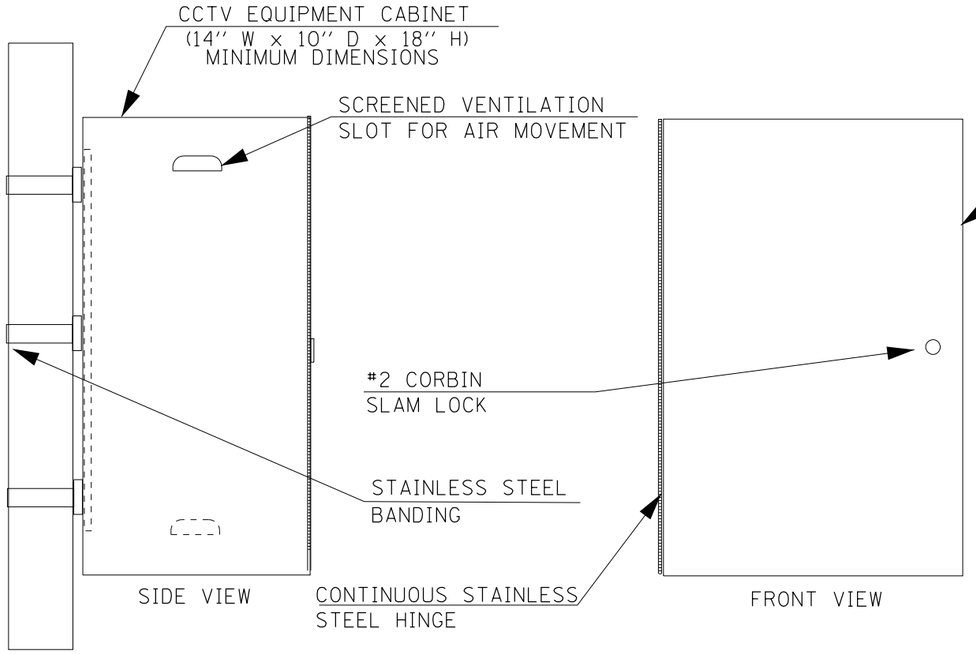
INSTALL 96 FIBER OPTIC CABLE CONTINUOUS FROM PROPOSED COMMUNICATION VAULT LOCATED NEAR TYPE 334 ITS CABINET IN PEORIA COUNTY TO PROPOSED COMMUNICATION VAULT LOCATED NEAR TYPE 334 ITS CABINET IN TAZEWELL COUNTY. COIL FIBER INSIDE COMMUNICATION VAULTS WITH 100 FT. OF SLACK CABLES FOR FUTURE USE (NO SPLICES ALLOWED) (FIBER CABLE #2)

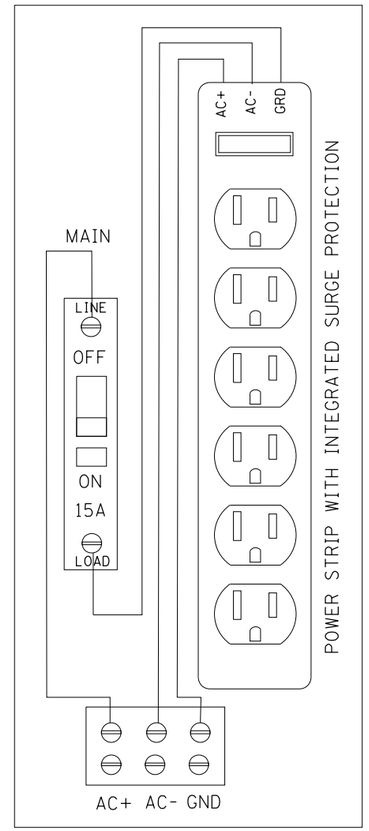
(A) LATERALLY SPLICE TERMINATED FIBERS INTO MAINLINE FIBER (ONE BUFFER TUBE). ALL REMAINING FIBERS SHALL BE LEFT INTACT TO CREATE CONTINUOUS FIBER LINK FROM PROP. TYPE 334 ITS CABINET IN PEORIA COUNTY TO PROP. TYPE 334 ITS CABINET IN TAZEWELL COUNTY

1	FURNISH AND INSTALL RACK MOUNTED 96 FIBER INTERCONNECT CENTER EQUIPPED WITH ST CONNECTOR PACKS (TWELVE 8 FIBER PACKS) AND RACK MOUNTED SPLICE ENCLOSURE WITH SPLICE TRAYS IN PROPOSED TYPE 334 ITS CABINET
2	FURNISH AND INSTALL 24 FIBER INTERCONNECT CENTER EQUIPPED WITH ST CONNECTORS IN PROPOSED OR EXISTING CABINET
12 ST	INDICATES 12 SM FIBERS TO BE TERMINATED IN EX. OR PROP. CABINET WITH ST CONNECTORS
96 ST	INDICATES 96 SM FIBERS TO BE TERMINATED IN EX. OR PROP. CABINET WITH ST CONNECTORS

THE COST OF FIBER OPTIC ENCLOSURES, SPLICE ENCLOSURES, SPLICE TRAYS, PIGTAILS, AND ALL OTHER ITEMS REQUIRED FOR FIBER TERMINATION SHALL BE INCLUDED IN THE COST OF THE FIBER OPTIC CABLE.

ITS-13

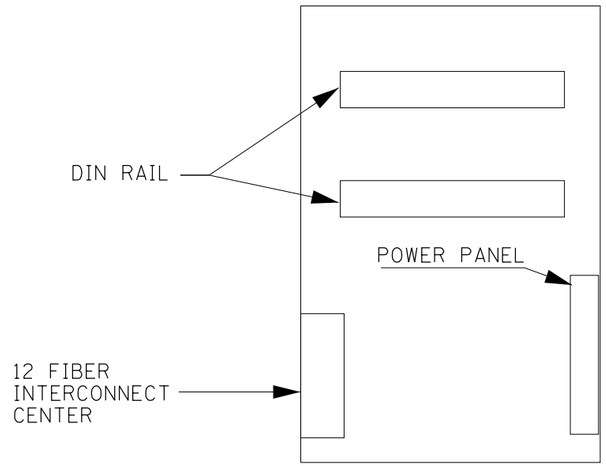




ITS EQUIPMENT CABINET POWER PANEL DETAIL
(TERMINAL STRIP TO BE EQUIPPED WITH PLEXI-GLASS SAFETY SHIELD)

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GALVANIZED STEEL BRACKETING AND HARDWARE REQUIRED FOR CABINET INSTALLATION ON THE PROPOSED CAMERA POLES

THE CONTRACTOR SHALL INSTALL THE PROPOSED BATTERY BACKUP SYSTEM INSIDE THE CCTV CABINET AND CONNECT IT TO THE ETHERNET SWITCH POWER



NOTES

1. THE ITS EQUIPMENT CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 20'' (H) X 14'' (W) X 10'' (D) (NOMINAL). THE CABINET SHALL BE CONSTRUCTED FROM .125'' THICK ALUMINUM AND HAVE A NATURAL FINISH.
2. THE CABINET SHALL BE EQUIPPED WITH A #2 CORBIN (OR SKELETON KEY) SLAM LOCK, AND ALL STAINLESS STEEL HARDWARE.

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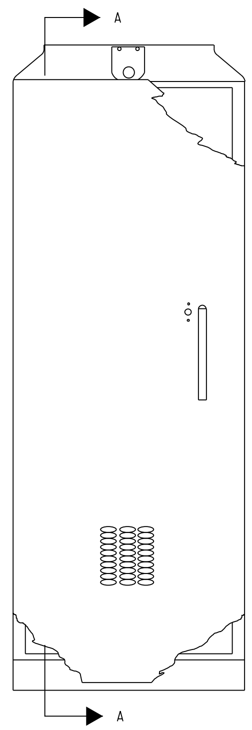
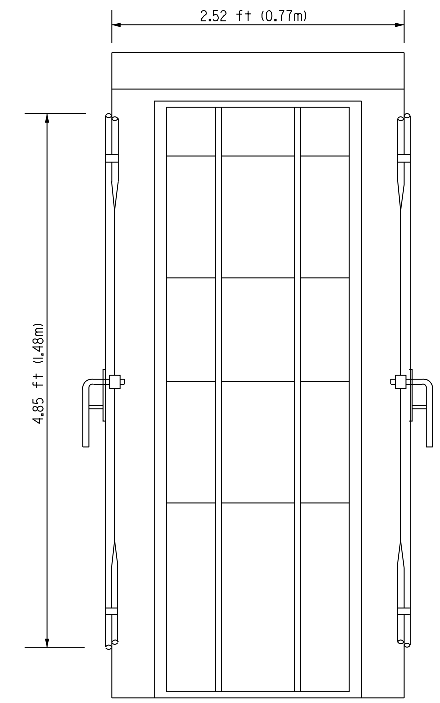
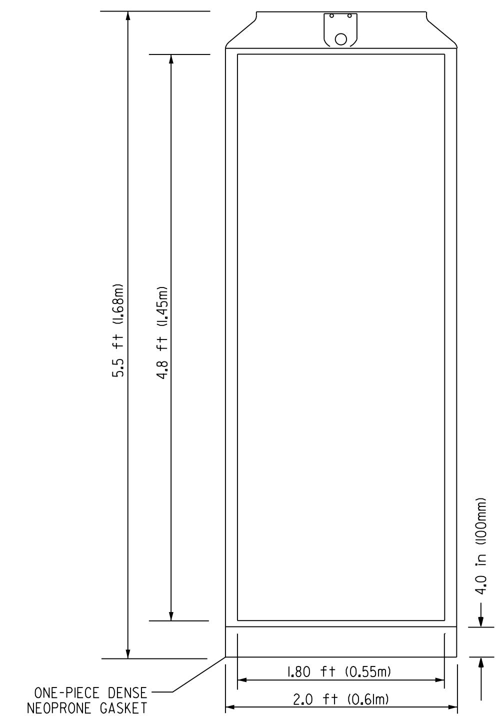
IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLOSED CIRCUIT TELEVISION CABINET DETAIL	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			317	[15B;(102-1)BR]BR		1361	592
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 68B46	
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SCALE: SHEET 14 OF 19 SHEETS			ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)



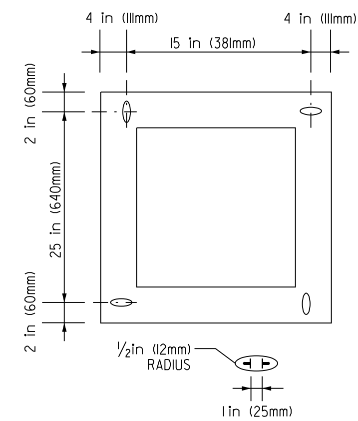
FRONT VIEW
(DOOR CLOSED)
(MODEL 334)



SECTION A-A
FOUNDATION MOUNTED CABINET
(MODEL 334)



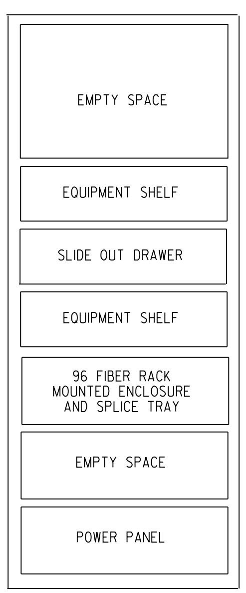
FRONT VIEW
(DOOR REMOVED)
(MODEL 334)



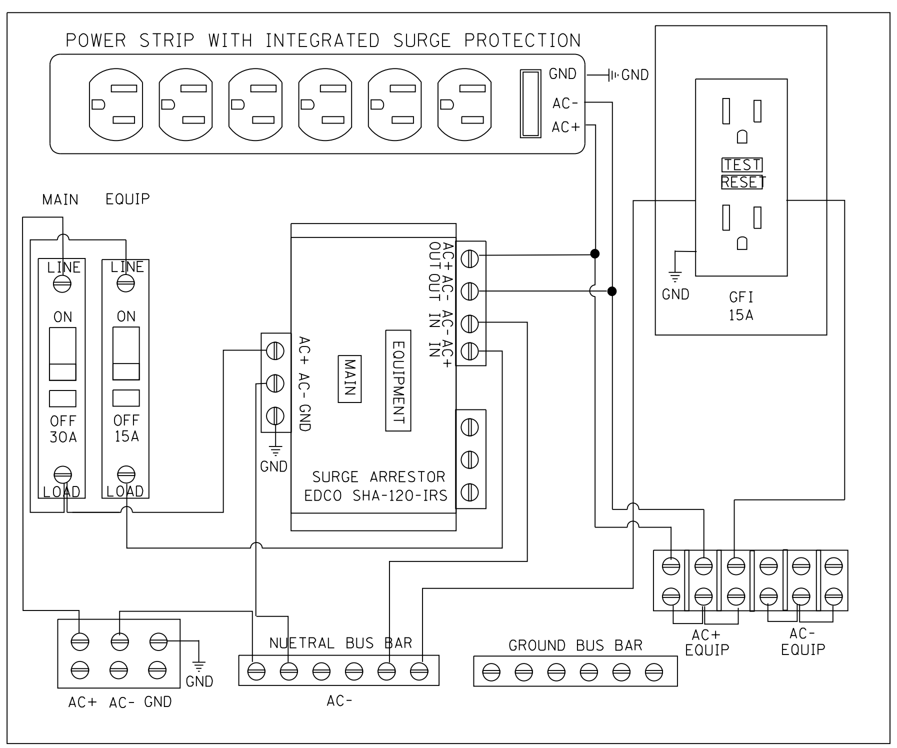
BOTTOM VIEW
(MODEL 334)

NOTES (MODEL 334 CABINET):

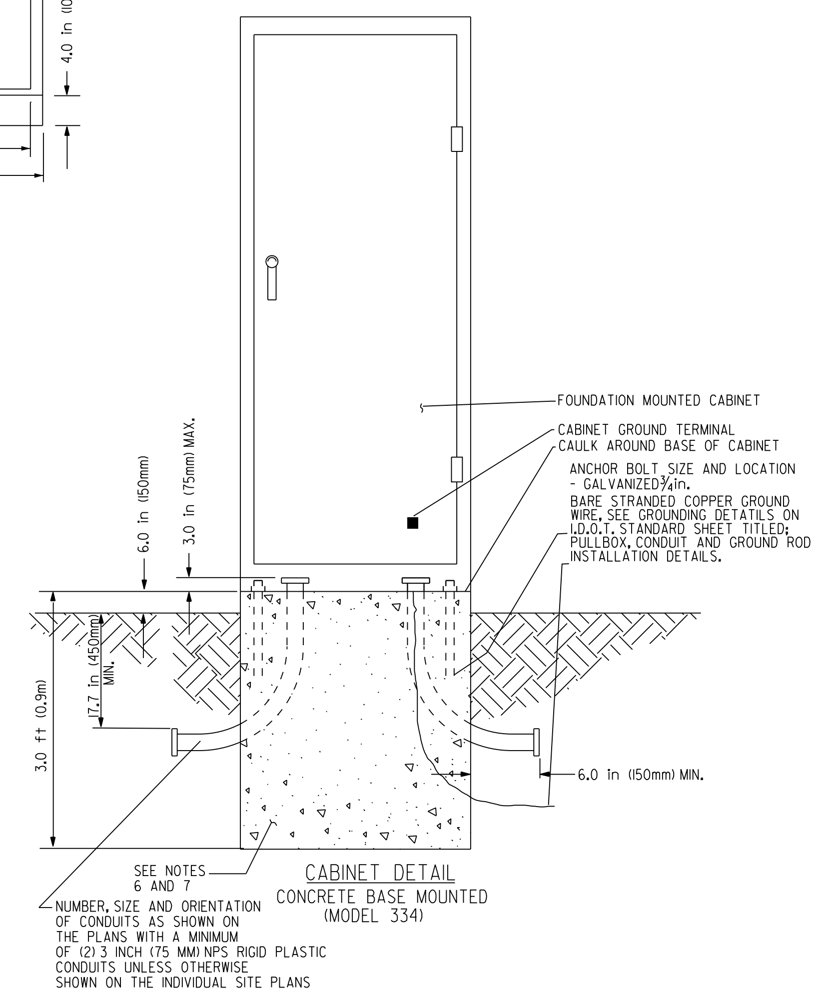
1. REFER TO SPECIAL PROVISIONS FOR CABINET DETAILS AND ADDITIONAL REQUIREMENTS.
2. CABINET ENTRIES INCLUDE VERTICAL ARRANGEMENT FOR MAJOR EQUIPMENT ITEMS ONLY.
3. THERE WILL BE ADDITIONAL ITEMS INSTALLED IN THE CABINET ON SIDE AND BACK PANELS AS PER THE SPECIAL PROVISIONS.
4. PROVIDE ALL UNUSED SPACE AT BOTTOM OF CABINET.
5. THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.
6. CONCRETE BASE TO BE FORMED AT LEAST 6.0 in (150mm) BELOW THE GROUND SURFACE.
7. CONCRETE BASE MUST BE CAST IN PLACE.
8. THE CABINET SHALL BE EQUIPPED WITH A THERMOSTATICALLY CONTROLLER VENTILATION FAN, DELUXE PLEATED FILTER, POWER PANEL, 96 FIBER RACK MOUNTED ENCLOSURE WITH SPLICE TRAYS, 19" MOUNTING RAILS, EQUIPMENT SHELF, AND SLIDE OUT DRAWER WITH STORAGE.
9. ALL WORK INDICATED SHALL BE PAID FOR UNDER ITEM CABINET, MODEL 334 EXCLUSIVE OF THE CONCRETE FOUNDATION.



CONTROL CABINET
LAYOUT (TYPICAL)
(MODEL 334)



TYPE 334 CABINET POWER PANEL DETAIL
(POWER PANEL TO BE EQUIPPED WITH PLEXI-GLASS SAFETY SHIELD)



CABINET DETAIL
CONCRETE BASE MOUNTED
(MODEL 334)

ITS-15

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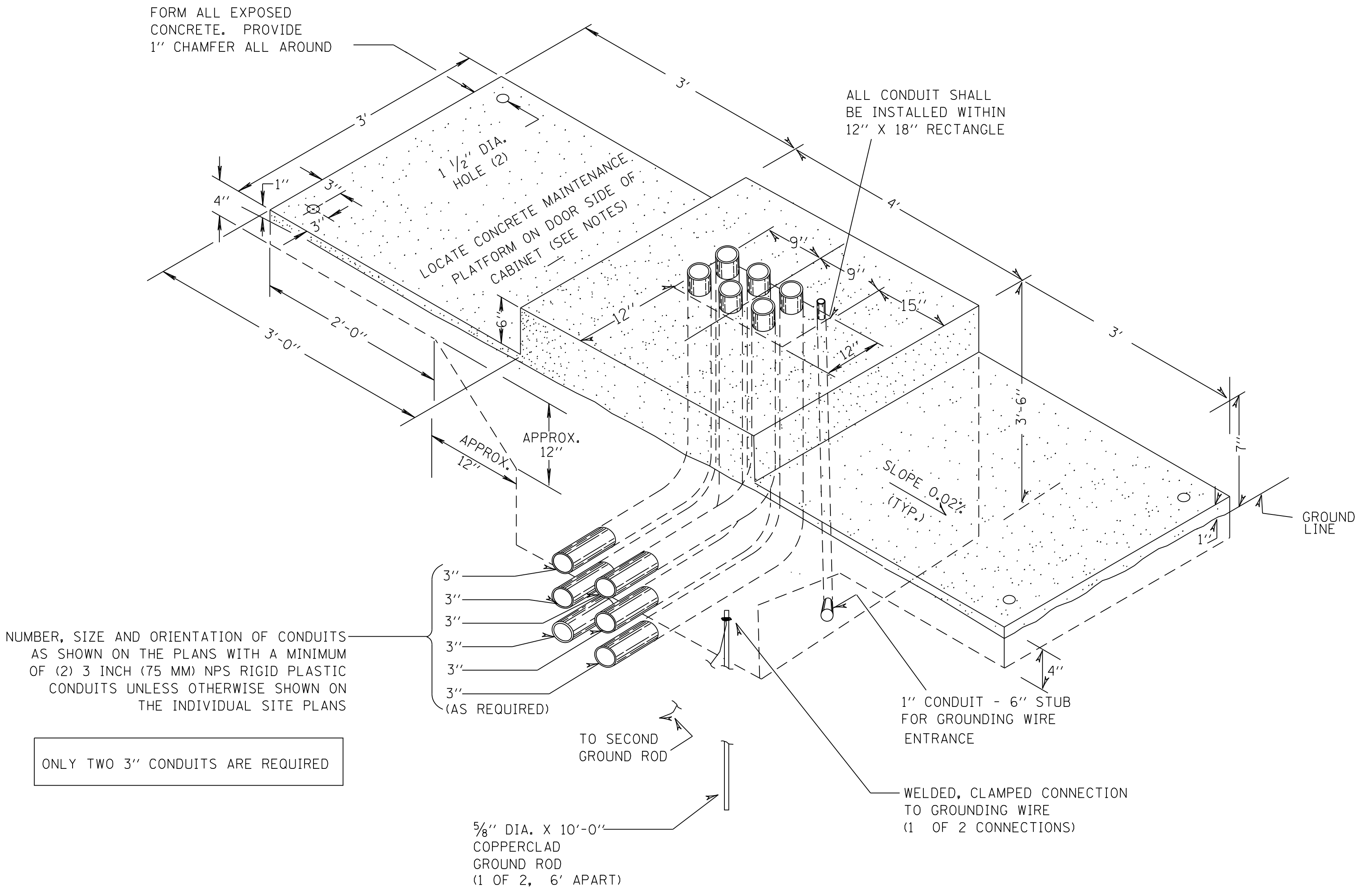
IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPE 334 CABINET DETAIL	F.A.P RTE. 317	SECTION [15B;(102-1)BR]BR
	PLOT SCALE = 100.00 ' / in.	DRAWN -	REVISED -		SCALE:	COUNTY	TOTAL SHEETS 1361
	PLOT DATE = 11/28/2018	CHECKED -	REVISED -		SHEET 15 OF 19 SHEETS	CONTRACT NO. 68B46	SHEET NO. 593
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	



TYPICAL DETAIL

CONCRETE BASE, CONTROLLER CABINET

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR- 3/4 INCH DIAMETER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE GALVANIZED STEEL AND LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL, PRIOR TO CABINET INSTALLATION. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6'' MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS IF WIRE IS INSTALLED AND ALL NON METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS IF WIRE IS INSTALLED.

ITS-16

IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE FOUNDATION (SPECIAL) FOR MODEL 334 CABINET DETAIL	F.A.P RTE. 317	SECTION [15B;(102-1)BR]BR	COUNTY	TOTAL SHEETS 1361 / SHEET NO. 594
		DRAWN -	REVISED -						CONTRACT NO. 68B46
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		SCALE: SHEET 16 OF 19 SHEETS				
	PLOT DATE = 11/28/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			

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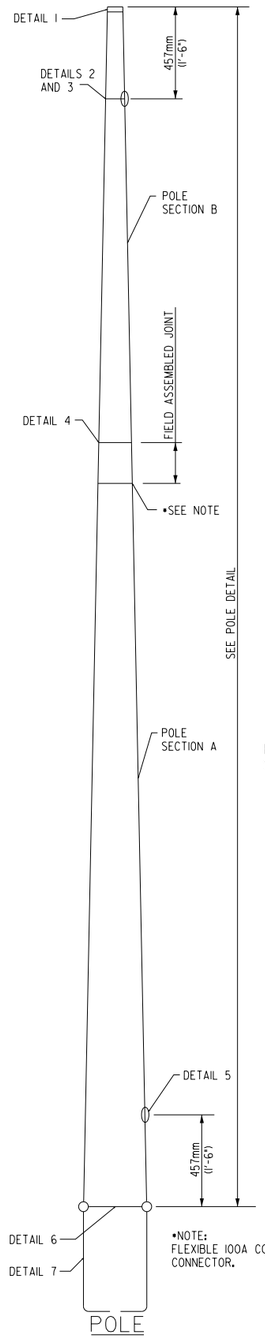
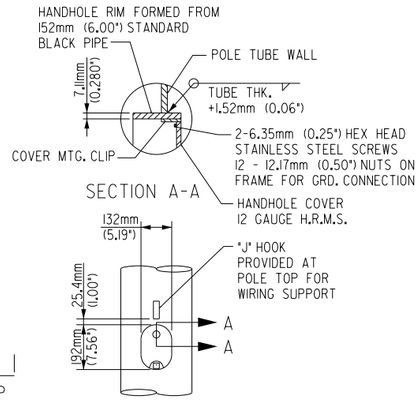
CAMERA POLE AND ANCHOR BOLTS SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO "STANDARD SPECIFICATION FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" 2015 EDITION.

NOTES:

1. DESIGN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, APRIL 1, 2016.
2. THE EXPOSED LENGTH OF THE ANCHOR BOLT BETWEEN THE TOP OF THE FOUNDATION AND THE BOTTOM OF THE LEVELING NUT SHOULD NOT EXCEED ONE BOLT DIAMETER.

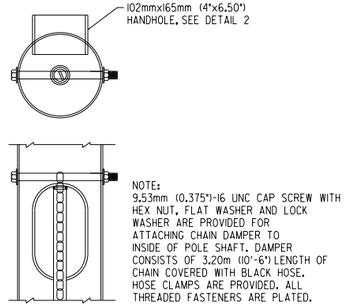


POLE

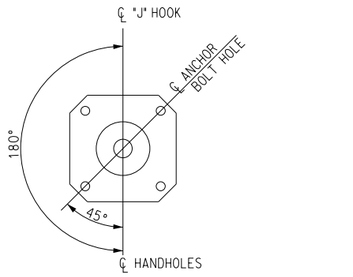


DETAIL 1
POLE TOP
CAST POLE TOP CAP HELD IN PLACE WITH 3 SET SCREWS

DETAIL 2
HANDHOLE

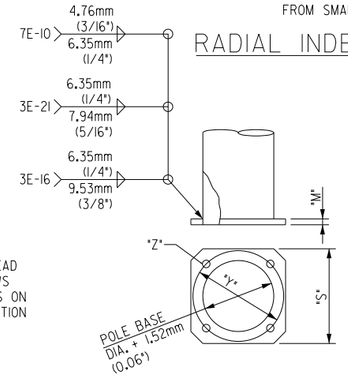


DETAIL 3
INTERNAL CHAIN DAMPER

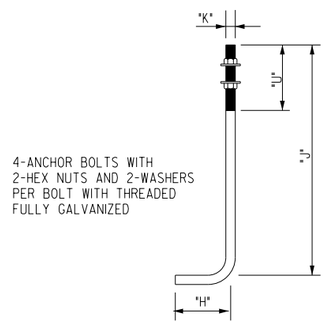


ALL ANGLES MEASURED CLOCKWISE FROM HANDHOLES AS VIEWED FROM SMALL END OF THE POLE

RADIAL INDEX

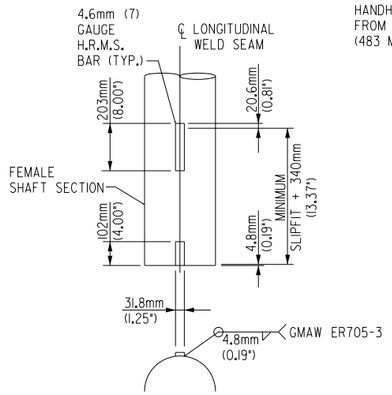


DETAIL 6
POLE BASE

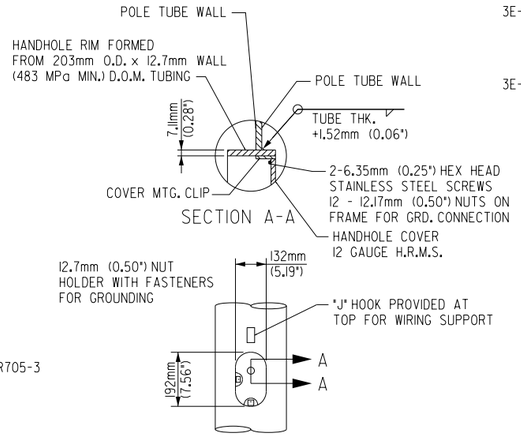


4-ANCHOR BOLTS WITH 2-HEX NUTS AND 2-WASHERS PER BOLT WITH THREADED FULLY GALVANIZED

DETAIL 7
ANCHOR BOLT



DETAIL 4
WELD REINFORCEMENT
SECTION B OF POLE ONLY



DETAIL 5
HANDHOLE

POLE DATA

ITEM	QTY.	MOUNTING HEIGHT m (ft)	POLE TUBE SEC.	POLE TUBE BASE DIA. mm (in)	POLE TUBE LENGTH m (ft)	POLE TUBE TOP DIA. mm (in)	POLE TUBE THICK OR GAUGE mm. (in/no.)	POLE TUBE MIN. SLIP mm (in)	POLE BASE SQUARE "S" mm (in)	POLE BASE BOLT CIRCLE "Y" mm (in)	POLE BASE THK "M" mm (in)	POLE BASE SLOT "Z" mm (in)	ANCHOR BOLT DIA. "K" mm (in)	ANCHOR BOLT LENGTH "J" mm (in)	ANCHOR BOLT HOOK "H" mm (in)	ANCHOR BOLT THREAD LENGTH "U" mm (in)
1	1	13.72 (45.00)	A	330 (13.00)	13.72 (45.00)	170 (6.70)	6.07 (3)	N.A.	457 (18.00)	432 (17.00)	38 (1.50)	44x62 (1.75x2.44)	38 (1.50)	1372 (54.00)	152 (6.00)	203 (8.00)
2	1	16.76 (55.00)	A	406 (16.00)	10.27 (33.70)	287 (11.28)	4.8 (0.1875)	443 (17.45)	622 (24.50)	597 (23.50)	38 (1.50)	44x62 (1.75x2.44)	38 (1.50)	1372 (54.00)	152 (6.00)	203 (8.00)
			B	305 (12.00)	7.27 (23.87)	220 (8.66)	4.55 (7)									

MATERIAL DATA

COMPONENT	ASTM DESIGNATION *	MIN. YIELD MPa (ksi)
SHAFTS OVER 330mm (13.00") DIA.	A572 GR. 65	448 (65)
SHAFTS TO 330mm (13.00") DIA.	A595 GR. A	379 (55)
ANCHOR BOLTS	F1554 GR55	379 (55)
BASE PLATE	A36	248 (36)
GALVANIZING	AI23 & AI53	
FLAT WASHERS	F436	

•METRIC EQUAL

MATERIAL DATA

COMPONENT	ASTM DESIGNATION *	MIN. YIELD MPa (ksi)
ANCHOR BOLT NUTS	A563 GR. A	
H. H. COVER	CIOIO STEEL	
H. H. FRAME	A36	248 (36)
POLE TOP	B26	

•METRIC EQUAL

ITS-17

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IDOT

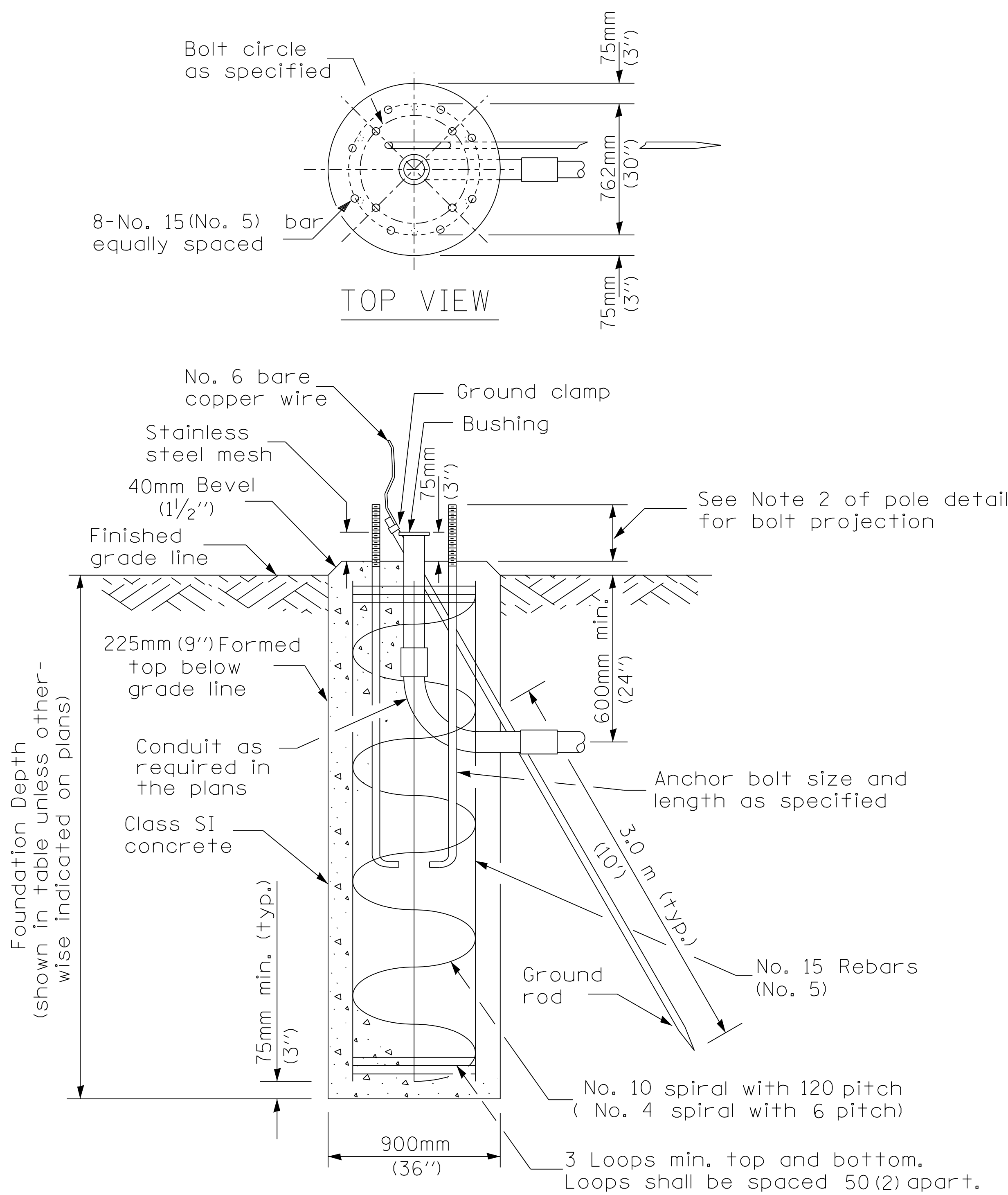
USER NAME = mgormely	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAMERA POLE DETAIL

SCALE: | SHEET 17 OF 19 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:(102-1)BR]BR		1361	595
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)



Pole Height	Foundation depth
13.7m (45′)	4.4m (14′-6″)
16.8m (55′)	6.2m (20′-4″)

Notes:

1. The Engineer shall determine the class of soil during excavation. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 100 kPa (1.0 tsf). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.

2. The anchor bolts and raceways shall be properly secured in place.

3. Concrete shall be class "SI" Concrete and the foundation must be cured for ten (10) days before the pole is erected.

4. The cable trench shall be backfilled and firmly compacted before the pole is erected.

5. For sloping grades, the foundation design depth shall be increased by the corresponding cross slope shaft depth increase factor given by:
   A. Cohesive soil - cross slope shaft increase factor 0.009 x (slope angle) + 1.0
   B. Granular soil - cross slope shaft increase factor 0.00005 x (slope angle) + 1.0

6. Install grounding system in accordance with Section 806 of the IDOT Standard Specifications.

ITS-18

IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAMERA POLE CONCRETE FOUNDATION DETAIL	F.A.P RTE. 317	SECTION [15B;(102-1)BR]BR
		DRAWN -	REVISED -			COUNTY	TOTAL SHEETS 1361 / SHEET NO. 596
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68B46	
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SCALE: SHEET 18 OF 19 SHEETS	ILLINOIS FED. AID PROJECT	NHPP-YRP3(905)

MODEL: Default

MICROWAVE DETECTOR INSTALLATION DETAILS

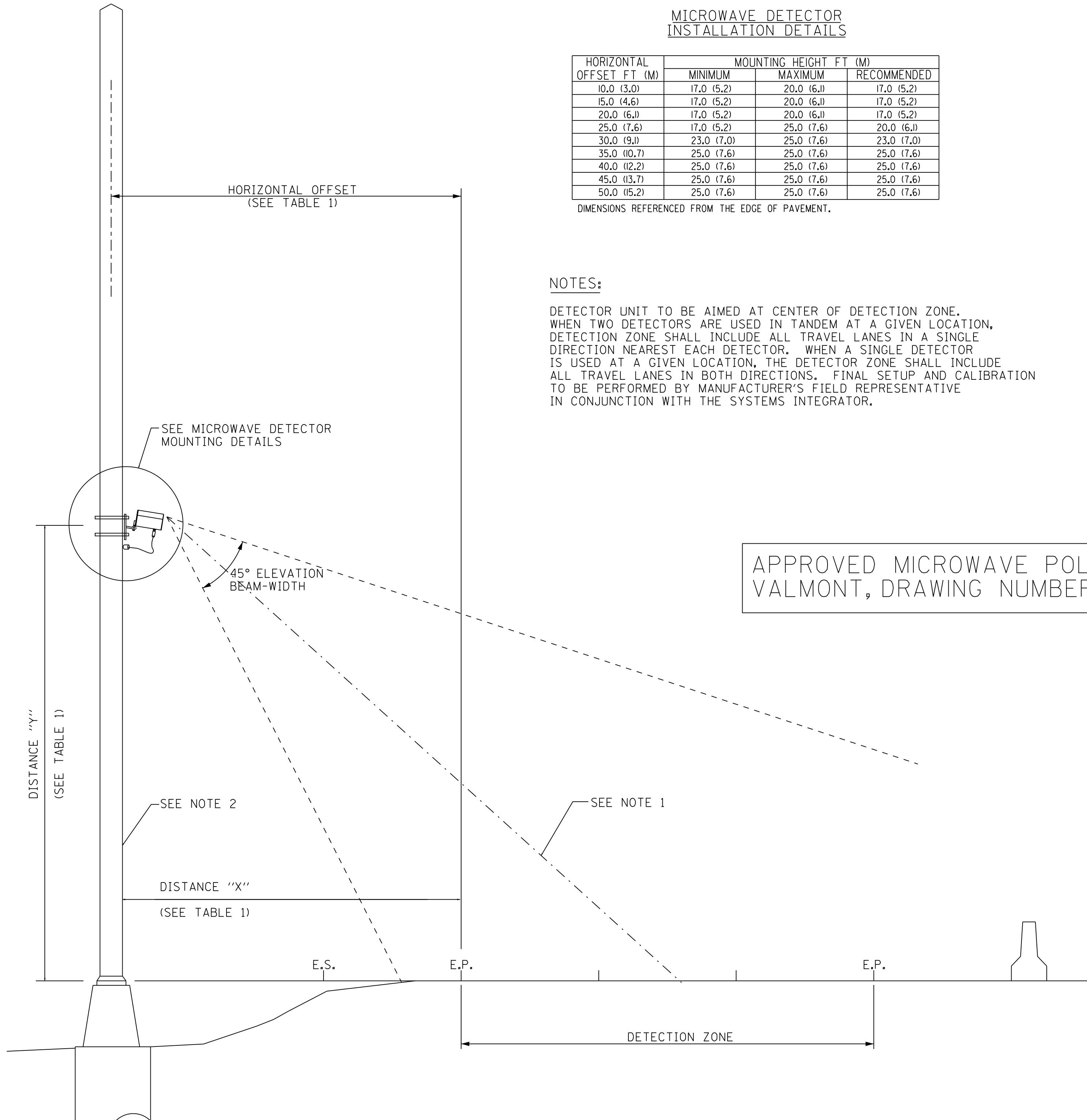
HORIZONTAL OFFSET FT (M)	MOUNTING HEIGHT FT (M)		
	MINIMUM	MAXIMUM	RECOMMENDED
10.0 (3.0)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)
15.0 (4.6)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)
20.0 (6.1)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)
25.0 (7.6)	17.0 (5.2)	25.0 (7.6)	20.0 (6.1)
30.0 (9.1)	23.0 (7.0)	25.0 (7.6)	23.0 (7.0)
35.0 (10.7)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)
40.0 (12.2)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)
45.0 (13.7)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)
50.0 (15.2)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)

DIMENSIONS REFERENCED FROM THE EDGE OF PAVEMENT.

NOTES:

DETECTOR UNIT TO BE AIMED AT CENTER OF DETECTION ZONE. WHEN TWO DETECTORS ARE USED IN TANDEM AT A GIVEN LOCATION, DETECTION ZONE SHALL INCLUDE ALL TRAVEL LANES IN A SINGLE DIRECTION NEAREST EACH DETECTOR. WHEN A SINGLE DETECTOR IS USED AT A GIVEN LOCATION, THE DETECTOR ZONE SHALL INCLUDE ALL TRAVEL LANES IN BOTH DIRECTIONS. FINAL SETUP AND CALIBRATION TO BE PERFORMED BY MANUFACTURER'S FIELD REPRESENTATIVE IN CONJUNCTION WITH THE SYSTEMS INTEGRATOR.

APPROVED MICROWAVE POLE DRAWING: VALMONT, DRAWING NUMBER IL4894404

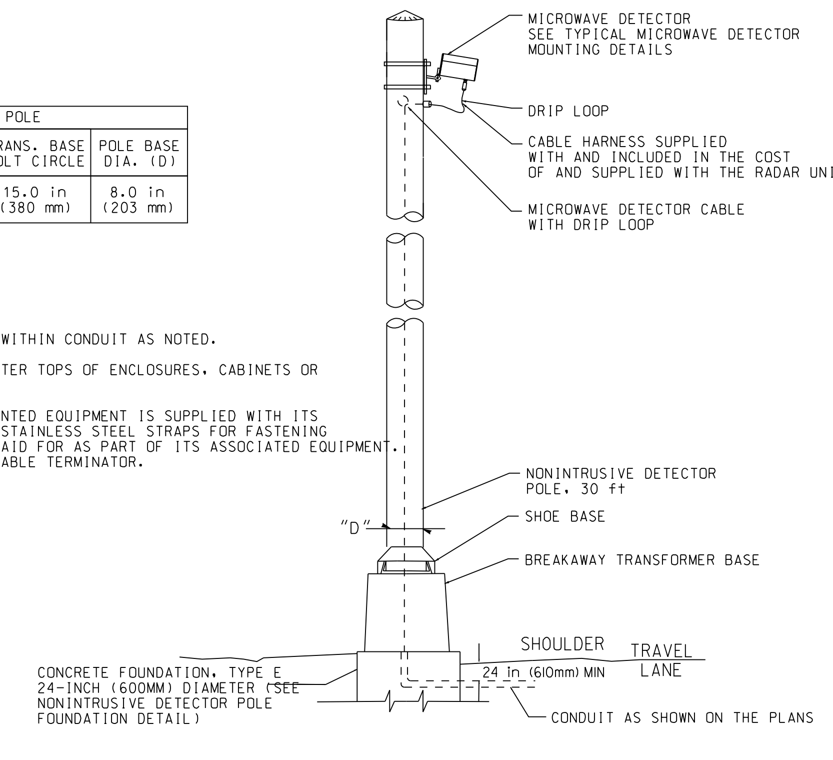


TYPICAL MICROWAVE DETECTOR INSTALLATION CROSS SECTION VIEW

DETECTOR POLE			
SHAFT LENGTH	SHOE BASE BOLT CIRCLE	TRANS. BASE BOLT CIRCLE	POLE BASE DIA. (D)
28 ft (8.5 m)	11.0 in (280 mm)	15.0 in (380 mm)	8.0 in (203 mm)

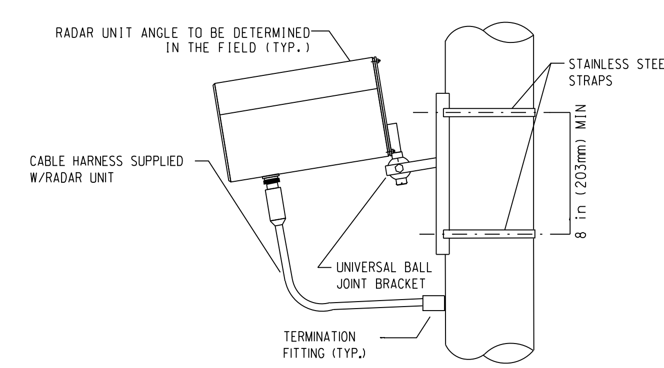
NOTES:

1. ALL CABLES TO BE INSTALLED WITHIN CONDUIT AS NOTED.
2. CABLE/CONDUITS SHALL NOT ENTER TOPS OF ENCLOSURES, CABINETS OR PULL/JUNCTION BOXES.
3. CABLE HARNESS FROM POLE MOUNTED EQUIPMENT IS SUPPLIED WITH ITS ASSOCIATED EQUIPMENT. ALL STAINLESS STEEL STRAPS FOR FASTENING CABLES BRACKETS, ETC. ARE PAID FOR AS PART OF ITS ASSOCIATED EQUIPMENT. PROVIDE DRIP LOOP AT EACH CABLE TERMINATOR.



MICROWAVE DETECTOR POLE MOUNTING DETAIL

SEE MICROWAVE DETECTOR INSTALLATION DETAILS TABLE FOR POLE OFFSET AND MOUNTING HEIGHT



MOUNTED TO VERTICAL POLE

MICROWAVE DETECTOR MOUNTING DETAILS

ITS-19

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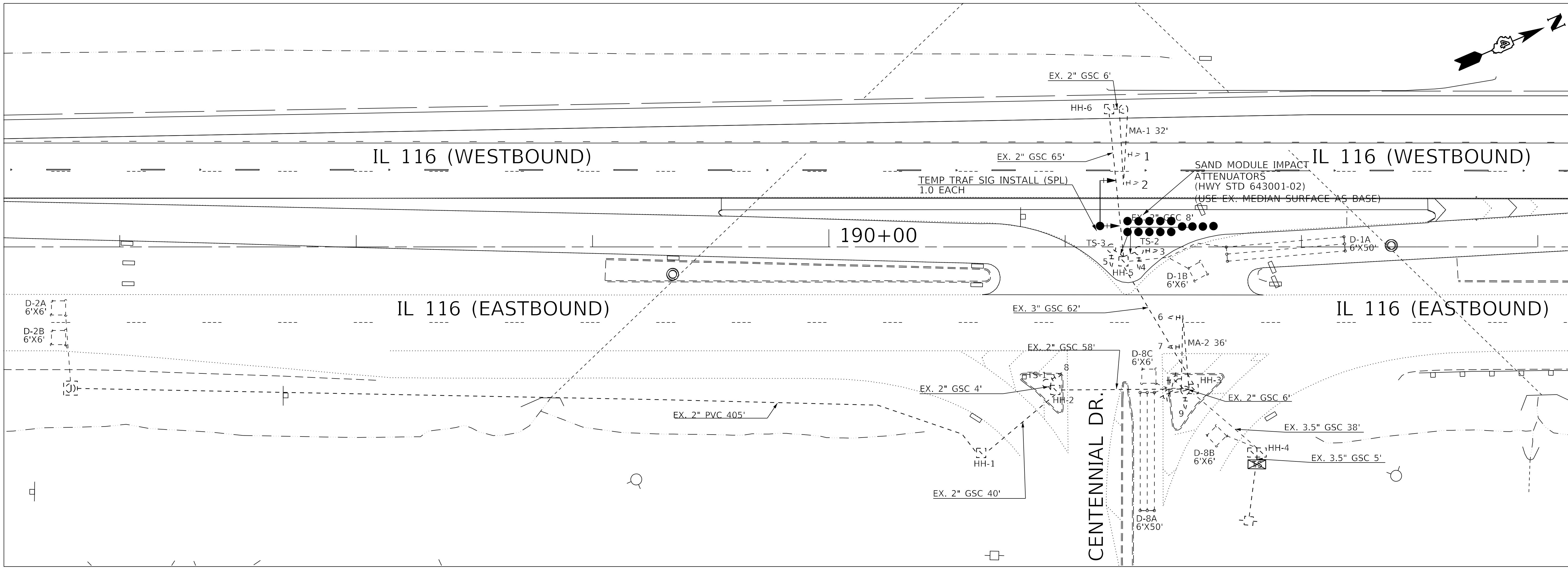
IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MICROWAVE DETECTOR INSTALLATION AND POLE DETAILS
		DRAWN -	REVISED -		
	PLOT SCALE = 100.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SCALE: SHEET 19 OF 19 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	597
		CONTRACT NO. 68B46		
	ILLINOIS	FED. AID PROJECT NHPP-YRP3(905)		



BILL OF MATERIALS IL 116 & CENTENNIAL TEMPORARY TRAFFIC SIGNALS		
IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1.0
TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1.0

TRAFFIC SIGNAL LEGEND

- PROP. TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)
- EX. TRAFFIC SIGNAL CABINET & CONTROLLER
- EX. DOUBLE HANDHOLE
- EX. HANDHOLE
- EX. ELECTRICAL SERVICE
- EX. TRAFFIC SIGNAL POST
- EX. TRAFFIC SIGNAL MAST ARM
- EX. TRAFFIC SIGNAL HEAD (WITH BACKPLATE)
- EX. TRAFFIC SIGNAL HEAD
- EX. DETECTOR LOOP
- EX. QUADRAPOLE DETECTOR LOOP
- EX. CONDUIT
- EX. LUMINAIRE

TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL) NOTES:

1. THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONSIST OF A PORTABLE MAST ARM TRAILER WITH 2 SIGNAL HEADS AS FOLLOWS:
   - SH P LED 1F 1S MAM (GREEN ARROW) - 1.0 QTY.
   - SH P LED 1F 1S BM (GREEN ARROW) - 1.0 QTY.
   - TS BACKPLATE RET-REFL - 2.0 QTY.

2. THE EXISTING SIGNAL CABLES SHALL BE CAREFULLY REMOVED FROM THE EXISTING SIGNAL HEADS (1 & 2) AND WIRED INTO THE TEMPORARY SIGNAL HEADS ON THE PORTABLE TRAILER. A TEMPORARY, WATERPROOF AND WEATHER-RESISTANCT SPLICE SHALL BE MADE IN HANDHOLE HH-5 TO MAKE THIS CONNECTION.

3. THE TEMPORARY TRAFFIC SIGNAL TRAILER SHALL BE LOCATED IN THE CENTER MEDIAN OF IL 116 NEAR HH-5. THE TRAILER SHALL BE LOCATED IN A POSITION THAT ALLOWS PROPER VISIBILITY OF SIGNAL HEADS WHILE KEEPING THE TRAILER A SAFE DISTANCE FROM THE EDGE OF TRAVELED WAY.

4. THE SIGNAL HEADS, BACKPLATES, SPLICE MATERIALS, CABLES, PORTABLE MAST ARM TRAILER, AND ALL OTHER ITEMS REQUIRED FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNALS.

NOT TO SCALE

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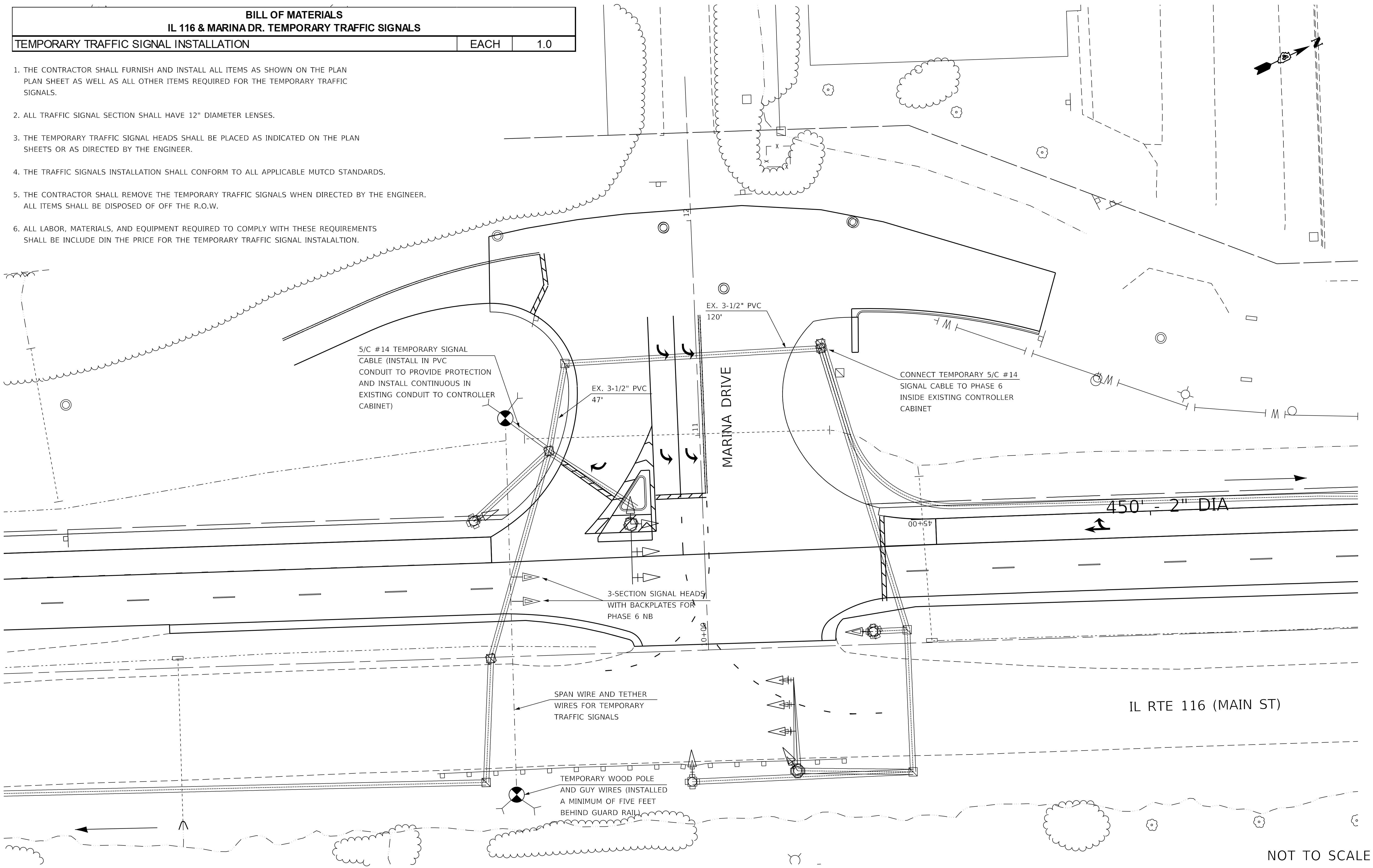
IDOT	USER NAME = mgormely	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL PLANS IL 116 & CENTENNIAL DR. – EAST PEORIA
		DRAWN -	REVISED -		
	PLOT SCALE = 125.00 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 11/28/2018	DATE -	REVISED -		SHEET OF SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	598
CONTRACT NO. 68B46				
ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)		

BILL OF MATERIALS IL 116 & MARINA DR. TEMPORARY TRAFFIC SIGNALS		
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1.0

1. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS AS SHOWN ON THE PLAN PLAN SHEET AS WELL AS ALL OTHER ITEMS REQUIRED FOR THE TEMPORARY TRAFFIC SIGNALS.
2. ALL TRAFFIC SIGNAL SECTION SHALL HAVE 12" DIAMETER LENSES.
3. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLAN SHEETS OR AS DIRECTED BY THE ENGINEER.
4. THE TRAFFIC SIGNALS INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS.
5. THE CONTRACTOR SHALL REMOVE THE TEMPORARY TRAFFIC SIGNALS WHEN DIRECTED BY THE ENGINEER. ALL ITEMS SHALL BE DISPOSED OF OFF THE R.O.W.
6. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDE DIN THE PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALALTION.



IDOT	USER NAME = mgormely	DESIGNED -	REVISED -
		DRAWN	REVISED -
	PLOT SCALE = 125.00 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLANS
IL 116 (MAIN ST.) & MARINA DR. – EAST PEORIA

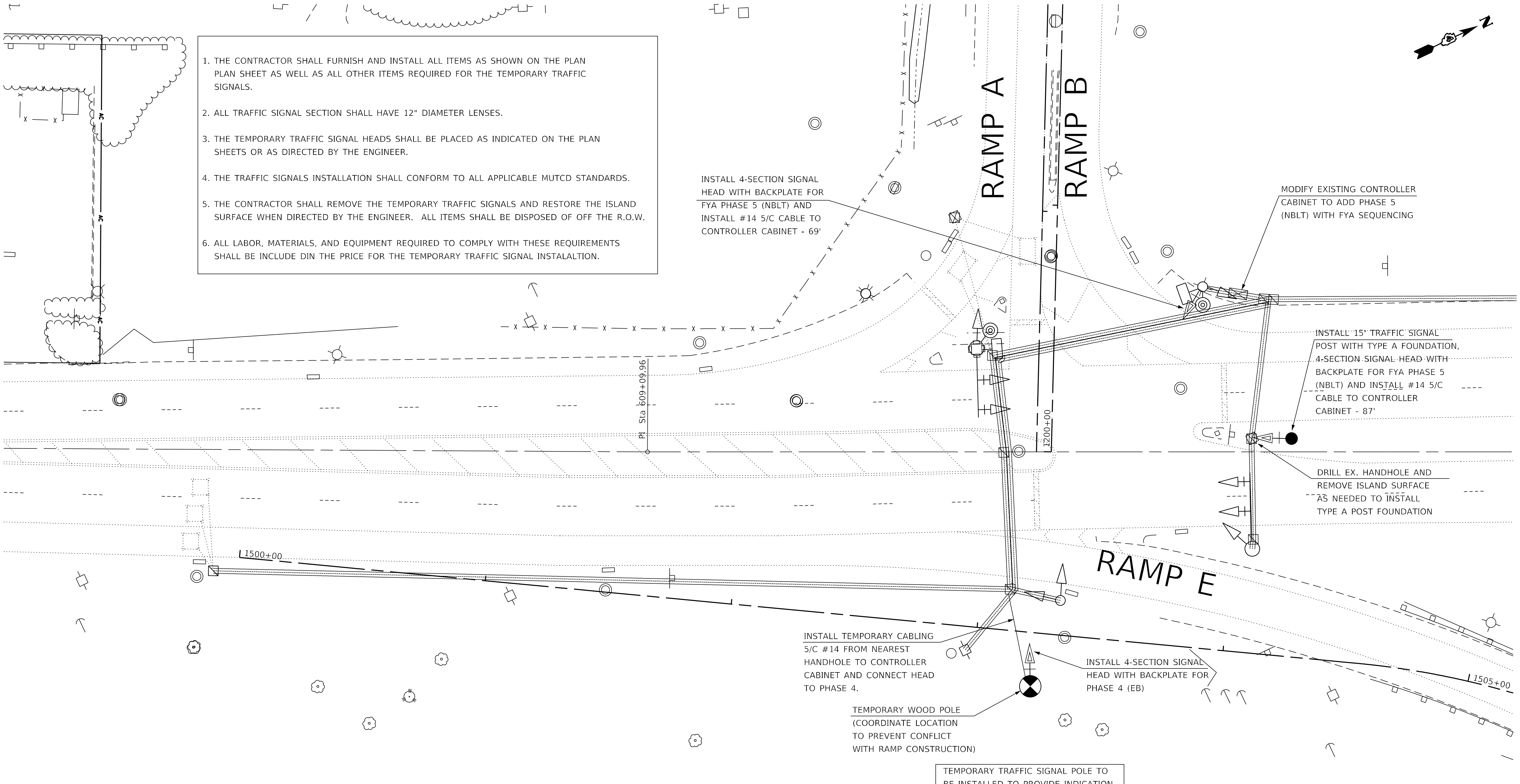
SHEET OF SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	599

CONTRACT NO. 68B46

ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

1. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS AS SHOWN ON THE PLAN PLAN SHEET AS WELL AS ALL OTHER ITEMS REQUIRED FOR THE TEMPORARY TRAFFIC SIGNALS.
2. ALL TRAFFIC SIGNAL SECTION SHALL HAVE 12" DIAMETER LENSES.
3. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLAN SHEETS OR AS DIRECTED BY THE ENGINEER.
4. THE TRAFFIC SIGNALS INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS.
5. THE CONTRACTOR SHALL REMOVE THE TEMPORARY TRAFFIC SIGNALS AND RESTORE THE ISLAND SURFACE WHEN DIRECTED BY THE ENGINEER. ALL ITEMS SHALL BE DISPOSED OF OFF THE R.O.W.
6. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDE DIN THE PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALALTION.



TEMPORARY TRAFFIC SIGNAL POLE TO BE INSTALLED TO PROVIDE INDICATION FOR RAMP TRAFFIC DURING THE REMOVAL OF THE EXISTING RAMP AND CONSTRUCTION OF THE PROPOSED RAMP.

BILL OF MATERIALS IL 29 (ADAMS) & US 150 (WAR MEMORIAL) RAMPS A&B TEMPORARY TRAFFIC SIGNALS		
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1.0

NOT TO SCALE

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IDOT	USER NAME = mgormely	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 125.00 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLANS
IL 29 (ADAMS ST.) & RAMPS A&B – PEORIA

SHEET OF SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	600

CONTRACT NO. 68B46

ILLINOIS | FED. AID PROJECT | NHPP-YRP3(905)