

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1.0

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH (INCLUDES ALL ITEMS LISTED BELOW)
 THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

QTY.	ITEM
1.0	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRES
1.0	STEEL MAST ARM ASSEMBLY AND POLE
3.0	STEEL TRAFFIC SIGNAL POST (EX. FOUNDATIONS TO BE RE-USED)
2.0	SIGNAL HEAD, 1-FACE, 1-SECTION, WITH BACKPLATE, MAST ARM MOUNTED
2.0	SIGNAL HEAD, 1-FACE, 3-SECTION, WITH BACKPLATE, MAST ARM MOUNTED
4.0	SIGNAL HEAD, 1-FACE, 3-SECTION, WITH BACKPLATE, BRACKET MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 5-SECTION, WITH BACKPLATE, BRACKET MOUNTED
ALL	ELECTRIC CABLE (NOT BEING USED IN PROPOSED INSTALLATION)

- EXISTING TRAFFIC SIGNAL REMOVAL NOTES**
1. THE REMOVAL ITEMS ARE AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL REMOVAL ITEMS PRIOR TO BIDDING.
 2. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
 3. ANY MAINTENANCE OF THE EXISTING SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

ALL EXISTING UNDERGROUND CONDUIT, HANDHOLES, AND #6 1/C GROUNDING CONDUCTOR WILL BE RE-USED IN THE PROPOSED TRAFFIC SIGNAL INSTALLATION.

ALL EXISTING TRAFFIC SIGNAL POST FOUNDATIONS WILL BE RE-USED IN THE PROPOSED INSTALLATION. THE EXISTING CONCRETE FOUNDATION FOR THE IL 116 NB MAST ARM LOCATED IN THE ISLAND WILL BE RE-USED IN THE PROPOSED INSTALLATION.

- TRAFFIC SIGNAL LEGEND**
- ☒ 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

NOT TO SCALE

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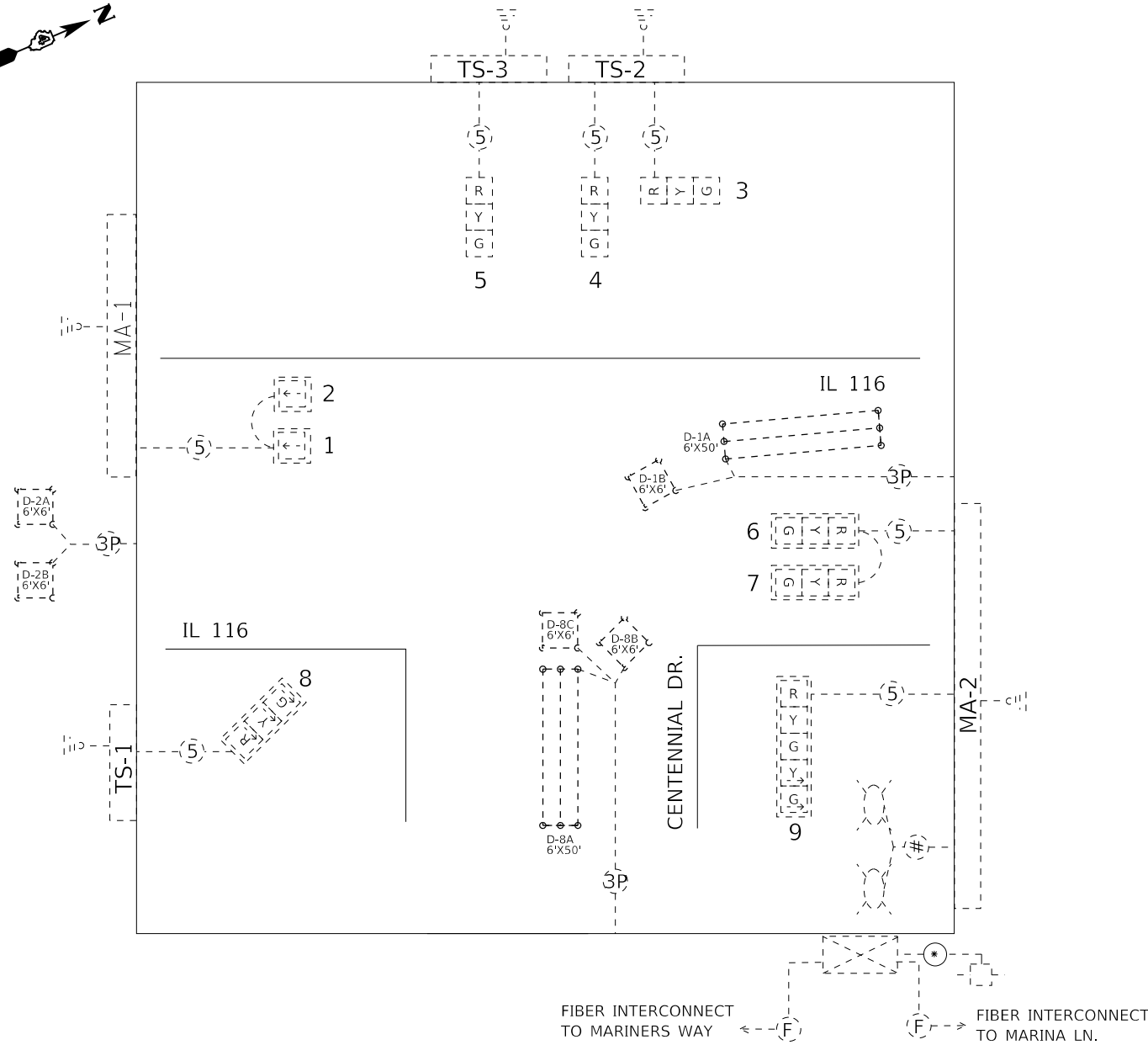


USER NAME = mgormely	DESIGNED -	REVISED -
PLOT SCALE = 125.00' / in.	DRAWN -	REVISED -
PLOT DATE = 11/28/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

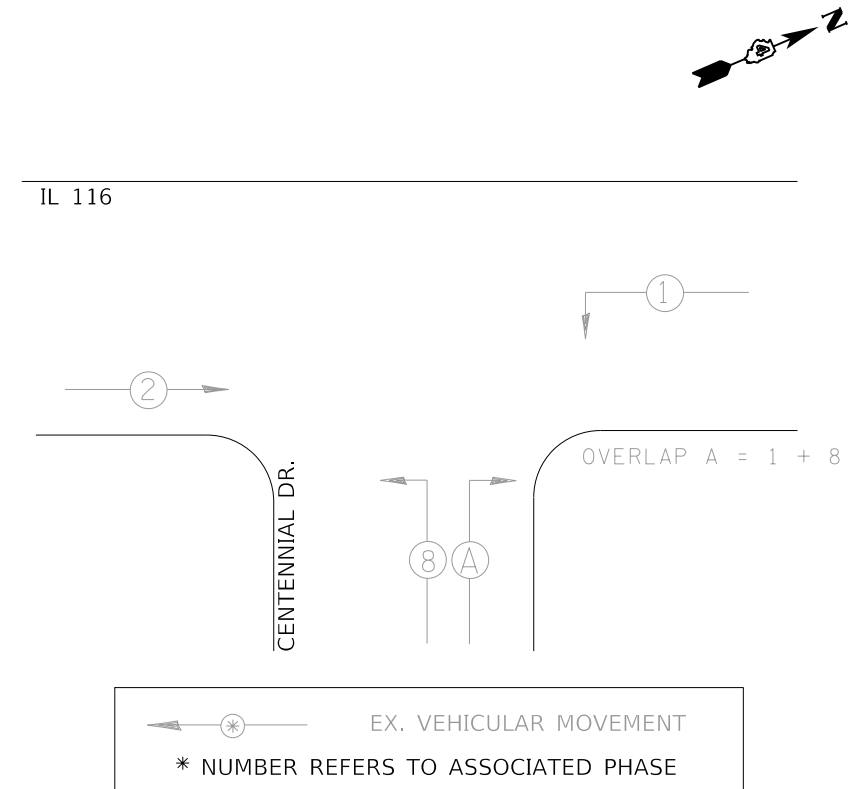
EXISTING TRAFFIC SIGNAL PLANS
IL 116 & CENTENNIAL DR. - EAST PEORIA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	601
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				


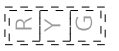


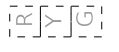


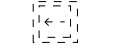

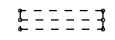




PHASE DIAGRAM

NAME OF INTERSECTION IL 116 & CENTENNIAL DR.
 EXISTING CONTROLLER: ECONOLITE ASC/3-2100 (TS-2 TYPE 2)
 IN TYPE IV TS-2 CABINET (16 POS.)



TRAFFIC SIGNALS LEGEND

	EX. CONTROLLER (SIGNAL)		EX. 3 SEC. SIGNAL HEAD W/BACKPLATE		EX. 5/C NO. 14 SIGNAL CABLE
	EX. SERVICE		EX. 3 SEC. SIGNAL HEAD		EX. 7/C NO. 14 SIGNAL CABLE
	EX. DETECTOR LOOP		EX. 1 SEC. SIGNAL HEAD W/ BACKPLATE		EX. #18 3-PR DETECTOR LOOP CABLE
	EX. QUADRAPOLE DETECTOR LOOP		EX. LUMINAIRE		EX. #12 1-PR TW/SH LEAD-IN CABLE

NOT TO SCALE

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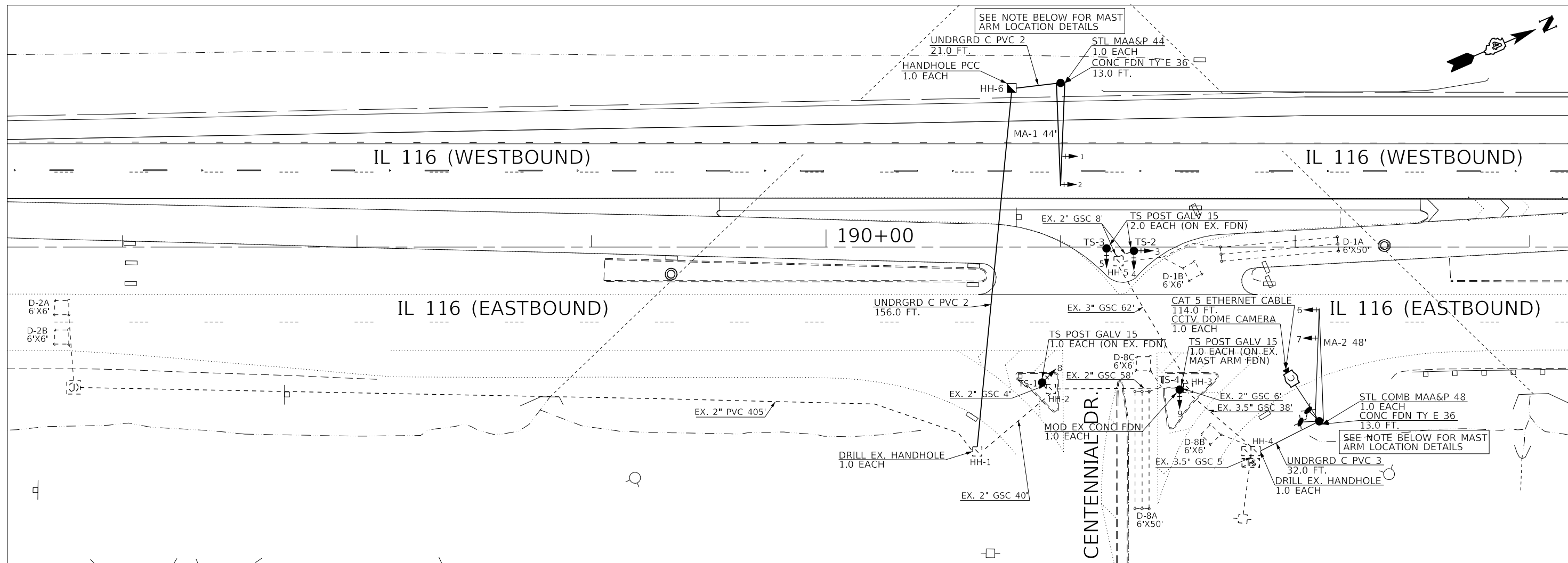
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PLOT SCALE = 1/25.00' / in.	DRAWN -	REVISED -
PLOT DATE = 11/28/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS
IL 116 & CENTENNIAL DR. - EAST PEORIA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	602
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT NHPP-YRP3(905)	

SHEET OF SHEETS



BILL OF MATERIALS IL 116 & CENTENNIAL PROPOSED TRAFFIC SIGNALS		
SIGN PANEL - TYPE 1	SQ FT	26.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	177.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	32.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	208.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	441.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	774.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	90.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	253.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	3.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 17 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, MAST-ARM MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	9.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	1.0
CLOSED CIRCUIT TELEVISION DOME CAMERA HD	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	114.0
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	2.0

TRAFFIC SIGNAL MAST ARM AND POST SCHEDULE			
REF	LOCATION	TYPE	LENGTH
TS-1	SOUTHWEST QUADRANT	TS POST GALV S	15 FT.
TS-2	CENTER MEDIAN	TS POST GALV S	15 FT.
TS-3	CENTER MEDIAN	TS POST GALV S	15 FT.
TS-4	SOUTHEAST QUADRANT	TS POST GALV S	17 FT.
MA-1	NORTH OF IL 116	STL MAA&P	44 FT.
MA-2	SOUTHEAST QUADRANT	STL COMB MAA&P	48 FT.

SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
2.0	EACH	SH P LED 1F 1S MAM	1,2 (PROPOSED)
2.0	EACH	SH P LED 1F 3S BM	4,5 (PROPOSED)
2.0	EACH	SH P LED 1F 3S MAM	6,7 (PROPOSED)
2.0	EACH	SH P LED 1F 4S BM	3,8 (PROPOSED)
1.0	EACH	SH P LED 1F 5S BM	9 (PROPOSED)
9.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9 (PROPOSED)

THE CONTRACTOR SHALL MODIFY THE EXISTING CONCRETE MAST ARM FOUNDATION LOCATED IN THE ISLAND BY INSTALLING 3/4" DIAMETER ANCHOR BOLTS (DRILL AND EPOXY) AT A MINIMUM DEPTH OF 12". THIS WORK WILL BE PAID FOR AS "MODIFY EXISTING CONCRETE FOUNDATION".

TRAFFIC SIGNAL LEGEND	
[Symbol]	EX. TRAFFIC SIGNAL CABINET & CONTROLLER
[Symbol]	EX. DOUBLE HANDHOLE
[Symbol]	EX. HANDHOLE
[Symbol]	EX. ELECTRICAL SERVICE
[Symbol]	EX. QUADRAPOLE DETECTOR LOOP
[Symbol]	EX. CONDUIT
[Symbol]	PROP. HANDHOLE
[Symbol]	PROP. TRAFFIC SIGNAL POST
[Symbol]	PROP. TRAFFIC SIGNAL MAST ARM
[Symbol]	PROP. TRAFFIC SIGNAL HEAD (WITH BACKPLATE)
[Symbol]	PROP. LED LUMINAIRE

MA-1 SHALL BE LOCATED A MINIMUM OF 3 FT. FROM THE BACKSIDE OF THE GUARDRAIL ALONG IL 116 AND A MINIMUM OF 14 FT. FROM THE EDGE OF TRAVELED WAY ALONG FAIRLANE DR./ COOPER PARK RD.

MA-2 SHALL BE LOCATED A MINIMUM OF 30 FT. FROM THE EDGE OF TRAVELED WAY.

NOT TO SCALE

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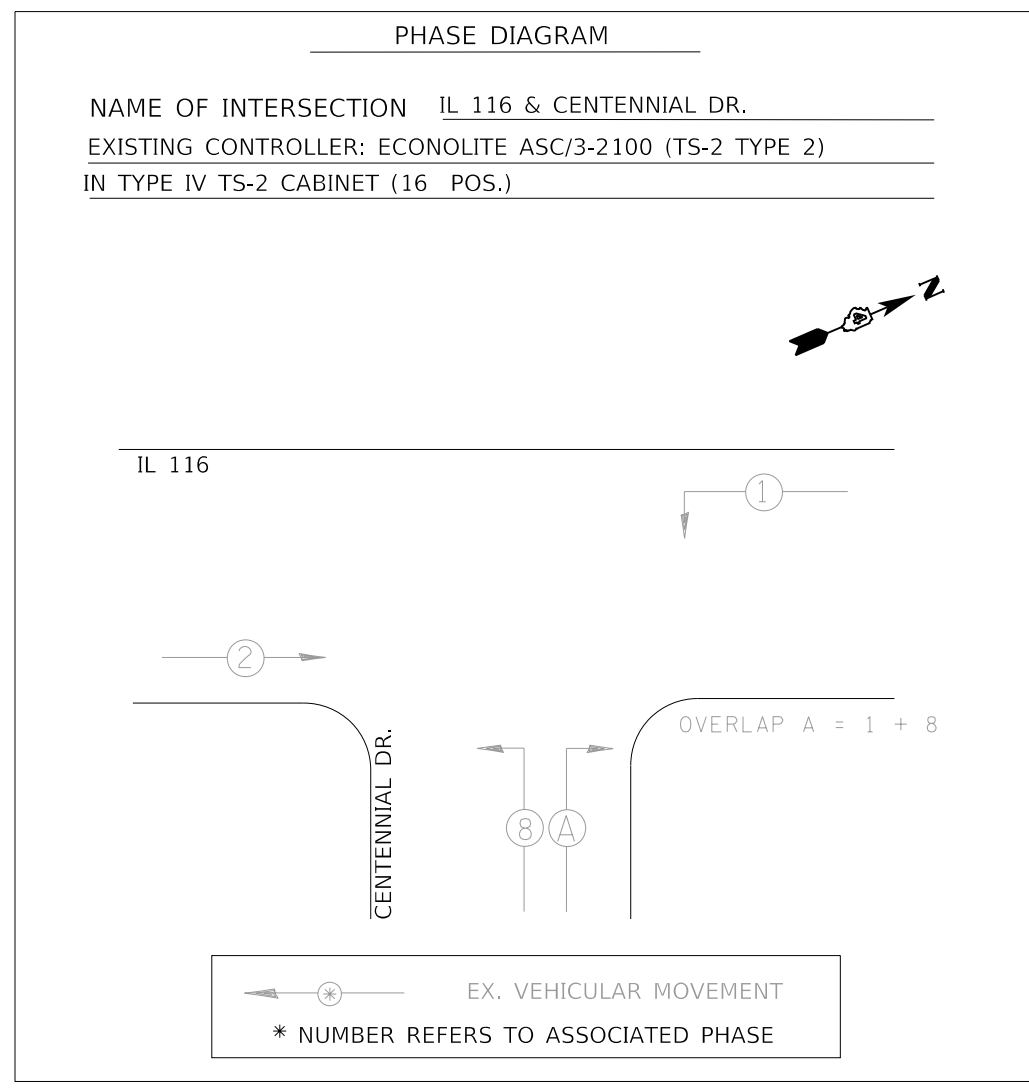
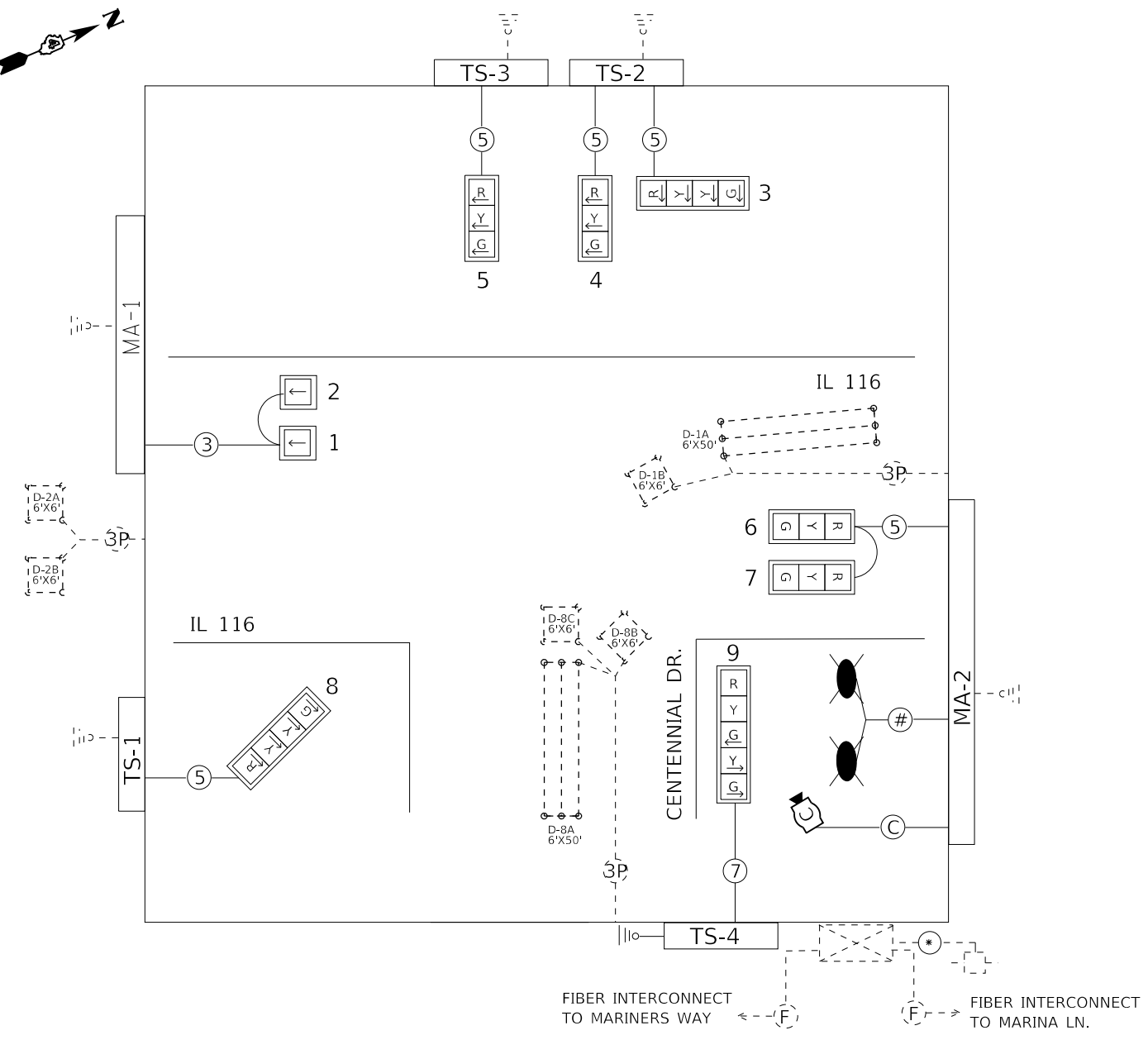
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	DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS
IL 116 & CENTENNIAL DR. - EAST PEORIA

SHEET OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	603
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				



TRAFFIC SIGNALS LEGEND

- | | | | | | |
|--|------------------------------|--|---------------------------------------|--|----------------------------------|
| | EX. CONTROLLER (SIGNAL) | | PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE | | PROP. 5/C NO. 14 SIGNAL CABLE |
| | EX. SERVICE | | PROP. 4 SEC. SIGNAL HEAD W/BACKPLATE | | PROP. 7/C NO. 14 SIGNAL CABLE |
| | EX. DETECTOR LOOP | | PROP. 1 SEC. SIGNAL HEAD W/ BACKPLATE | | EX. #18 3-PR DETECTOR LOOP CABLE |
| | EX. QUADRAPOLE DETECTOR LOOP | | PROP. LUMINAIRE | | EX. #12 1-PR TW/SH LEAD-IN CABLE |
| | PROP. CCTV CAMERA | | | | PROP. CAT 5 ETHERNET CABLE |

NOT TO SCALE

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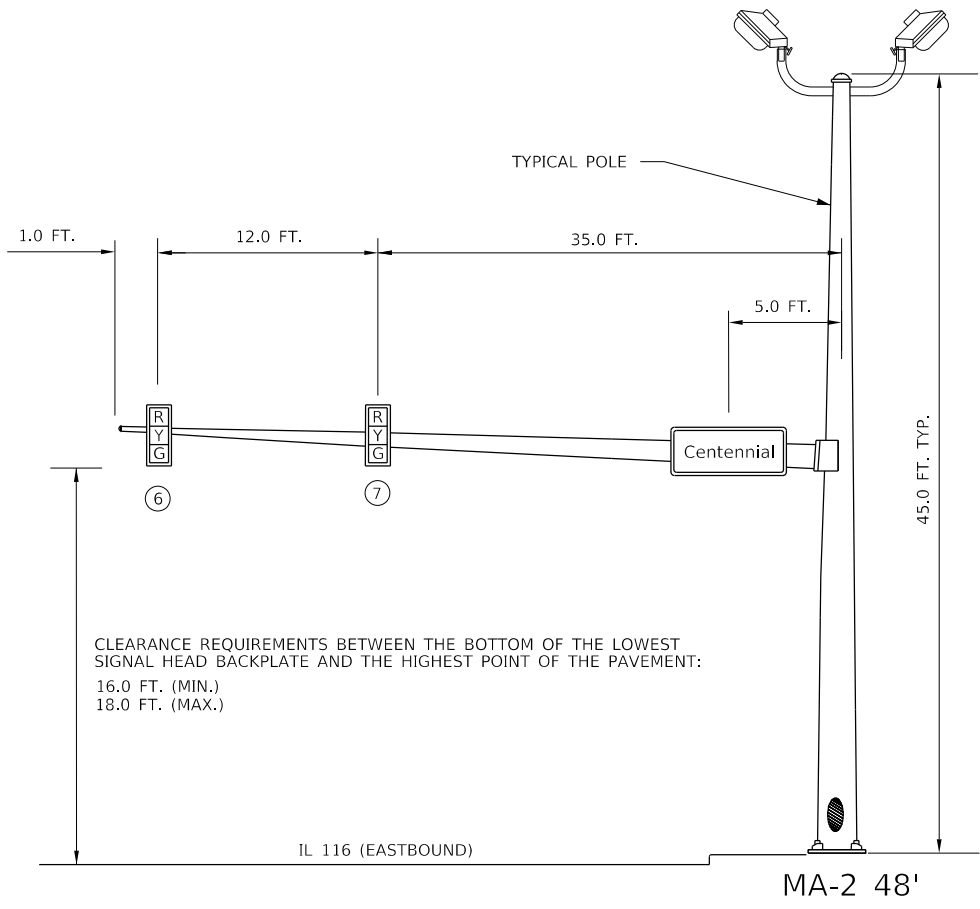
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PLOT DATE = 11/28/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

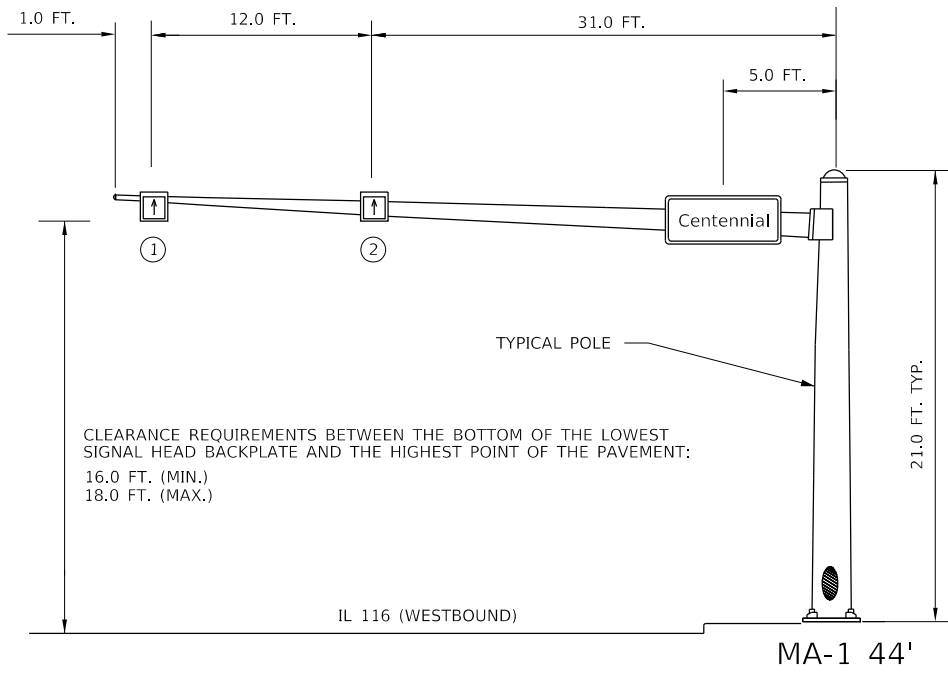
PROPOSED TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS
IL 116 & CENTENNIAL DR. - EAST PEORIA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	604
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

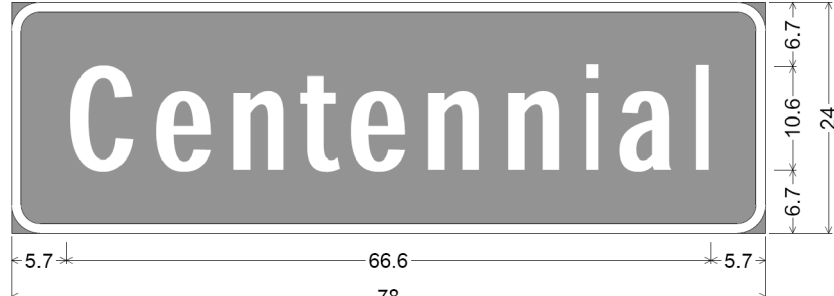
SHEET OF SHEETS



EASTBOUND TRAFFIC SIGNAL
SOUTHEAST CORNER OF IL 116 & CENTENNIAL DR.

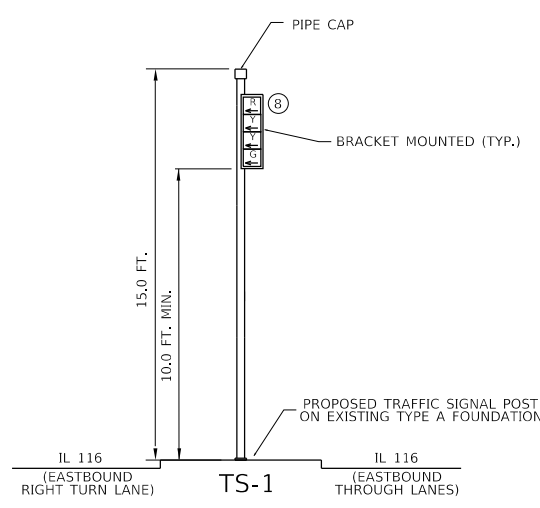


WESTBOUND TRAFFIC SIGNAL
NORTH OF IL 116 & CENTENNIAL DR.

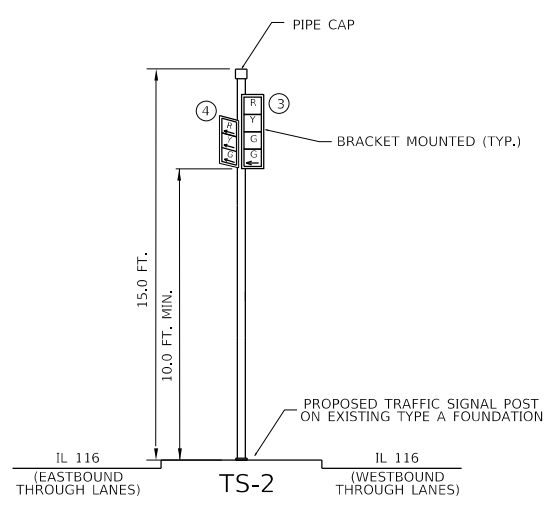


3.0" Radius, 1.0" Border, White on Green;
"Centennial" D 2K;
Table of distances between letter and object lefts.

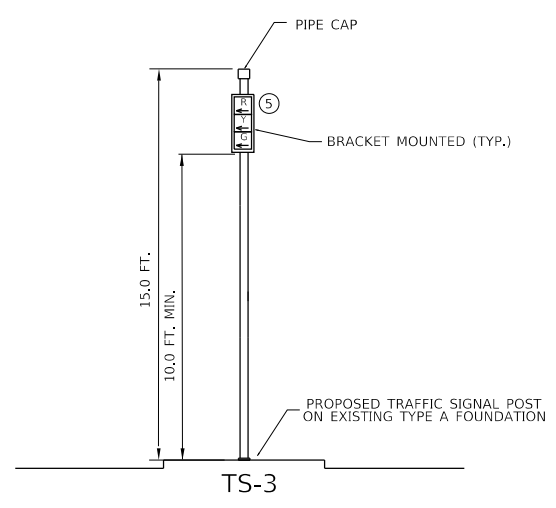
C	e	n	t	e	n	n	i	a	l	1	7	l
5.7	8.9	7.8	7.4	5.0	7.8	8.3	8.3	3.3	8.1	1.7	5.7	



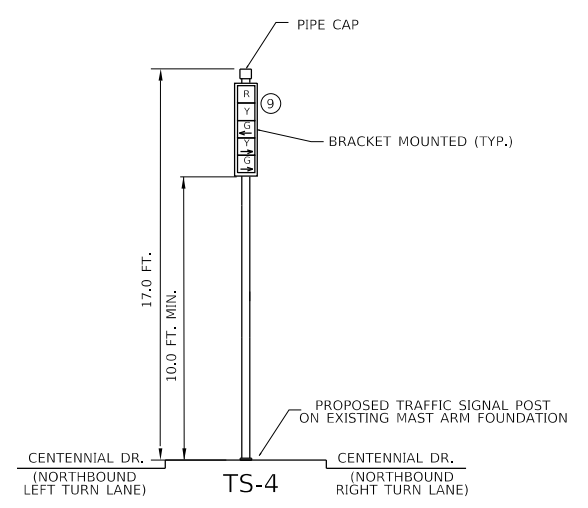
TRAFFIC SIGNAL POST
SOUTHWEST CORNER OF IL 116 & CENTENNIAL DR.



TRAFFIC SIGNAL POST
CENTER MEDIAN AT IL 116 & CENTENNIAL DR.



TRAFFIC SIGNAL POST
CENTER MEDIAN AT IL 116 & CENTENNIAL DR.



TRAFFIC SIGNAL POST
SOUTHEAST CORNER OF IL 116 & CENTENNIAL DR.

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USER NAME = mgormely	DESIGNED - TJH	REVISED -
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PLOT DATE = 11/28/2018	CHECKED -	REVISED -
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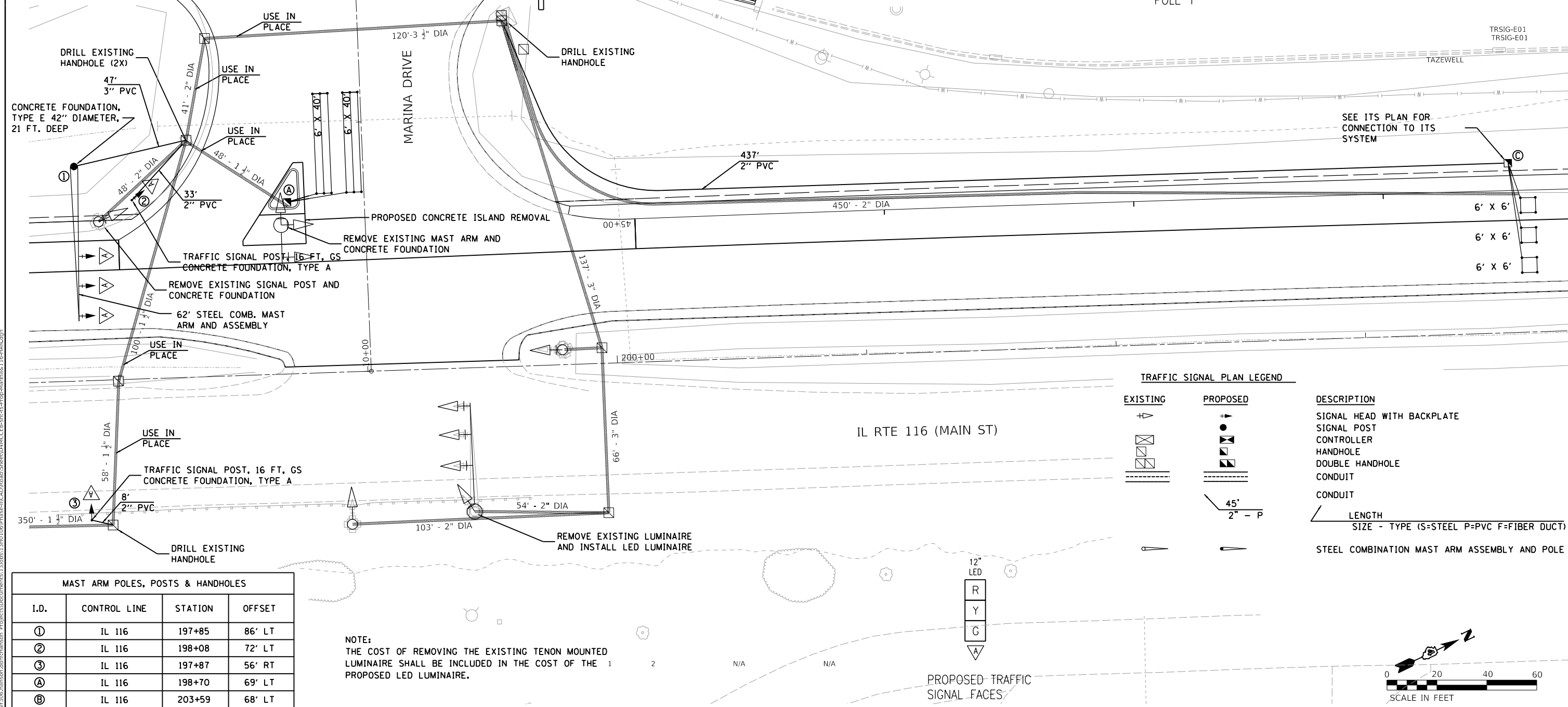
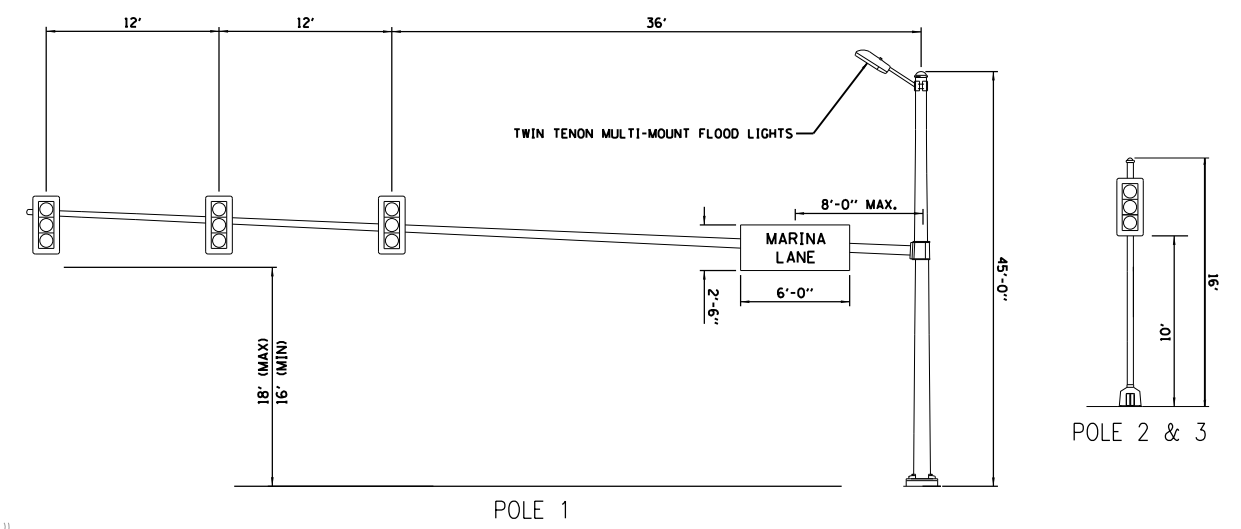
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL POST AND MAST ARM DETAILS
IL 116 & CENTENNIAL DR. - EAST PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;(102-1)BR]BR		1361	605
CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

S.P.	PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.		FOOT	529
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.		FOOT	47
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE		EACH	2
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6		FOOT	1734
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION		EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C		FOOT	1568
87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR		FOOT	715
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C		FOOT	744
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.		EACH	2
87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.		EACH	1
* 87800100	CONCRETE FOUNDATION, TYPE A		FOOT	6
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER		FOOT	21
87900200	DRILL EXISTING HANDHOLE		EACH	4
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED		EACH	3
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED		EACH	2
* 88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE		EACH	5
88600100	DETECTOR LOOP, TYPE I		FOOT	511
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT		EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION		EACH	2
X1400095	LUMINAIRE, LED, HORIZONTAL MOUNT, HIGH WATTAGE		EACH	3
* X7240500	RELOCATE EXISTING SIGNS		EACH	1



EXISTING		PROPOSED		DESCRIPTION
[Symbol]	[Symbol]	[Symbol]	[Symbol]	SIGNAL HEAD WITH BACKPLATE
[Symbol]	[Symbol]	[Symbol]	[Symbol]	SIGNAL POST
[Symbol]	[Symbol]	[Symbol]	[Symbol]	CONTROLLER
[Symbol]	[Symbol]	[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	[Symbol]	[Symbol]	DOUBLE HANDHOLE
[Symbol]	[Symbol]	[Symbol]	[Symbol]	CONDUIT
[Symbol]	[Symbol]	[Symbol]	[Symbol]	CONDUIT
[Symbol]	[Symbol]	[Symbol]	[Symbol]	LENGTH
[Symbol]	[Symbol]	[Symbol]	[Symbol]	SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT)
[Symbol]	[Symbol]	[Symbol]	[Symbol]	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE

MAST ARM POLES, POSTS & HANDHOLES			
I.D.	CONTROL LINE	STATION	OFFSET
①	IL 116	197+85	86' LT
②	IL 116	198+08	72' LT
③	IL 116	197+87	56' RT
A	IL 116	198+70	69' LT
B	IL 116	203+59	68' LT

NOTE:
THE COST OF REMOVING THE EXISTING TENON MOUNTED LUMINAIRE SHALL BE INCLUDED IN THE COST OF THE PROPOSED LED LUMINAIRE.

FINAL SUBMITTAL

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

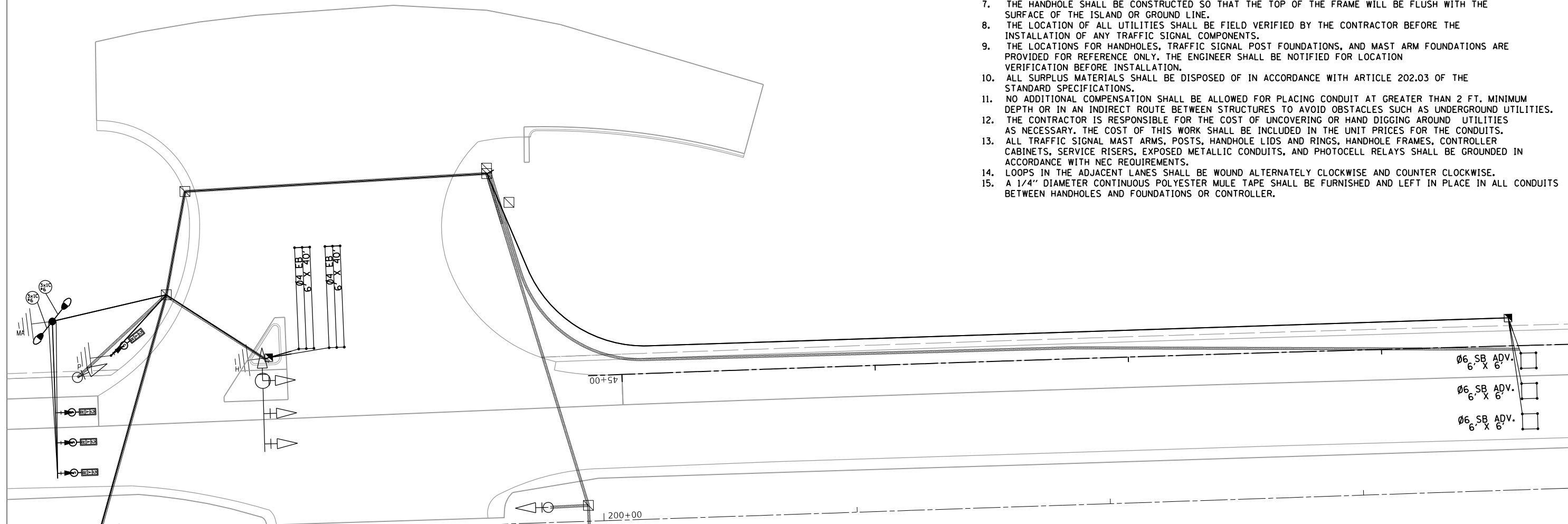
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED TRAFFIC SIGNALS (IL. RTE. 116 & MARINA DR.)
SCALE: 1"=20'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:((102-1),(14HB))BR]BR	TAZEWELL	1361	606
			CONTRACT NO. 68B46	
			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

NOTE:
THE COST OF REMOVING THE EXISTING TENDON MOUNTED LUMINAIRE SHALL BE INCLUDED IN THE COST OF THE COST OF THE PROPOSE LUMINAIRE.

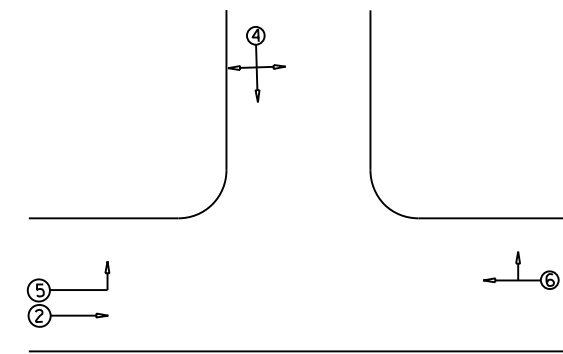
TRAFFIC SIGNAL GENERAL NOTES

1. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
2. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER. THE SIGNAL HEADS SHALL MAINTAIN A 16' MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
3. THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
4. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL.
5. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
6. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
7. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE ISLAND OR GROUND LINE.
8. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
9. THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
10. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
11. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH OR IN AN INDIRECT ROUTE BETWEEN STRUCTURES TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
13. ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, SERVICE RISERS, EXPOSED METALLIC CONDUITS, AND PHOTOCCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
14. LOOPS IN THE ADJACENT LANES SHALL BE WOUND ALTERNATELY CLOCKWISE AND COUNTER CLOCKWISE.
15. A 1/4" DIAMETER CONTINUOUS POLYESTER MULE TAPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER.

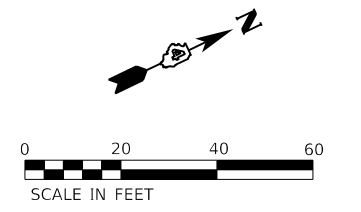


TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

PROPOSED	DESCRIPTION
	ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
	SIGNAL FACE WITH BACKPLATE
	GROUND WIRE (POLE)
	GROUND WIRE (MAST ARM)
	WIRE
	FLOOD LIGHT
	GROUND WIRE (HANDHOLE)



PHASE DESIGNATION DIAGRAM



FINAL SUBMITTAL

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USER NAME = Shipp01364	DESIGNED - BWW	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - BWW	REVISED -
PLOT DATE = 11/27/2018	CHECKED - KNB	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED CABLE PLAN (IL. RTE. 116 & MARINA DR.)

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	TAZEWELL	1361	607
			CONTRACT NO. 68B46	
ILLINOIS		FED. AID PROJECT	NHPP-YRP3(905)	

TRSIG-E02

TRAFFIC SIGNAL CONSTRUCTION NOTES

1. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN OPERATIONAL DURING THE CONSTRUCTION OF THE TEMPORARY AND PROPOSED TRAFFIC SIGNALS.
3. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
4. 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 AND FAILURE TO LOCATE. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE.
5. ELECTRICAL WORK SHALL CONFORM TO NATIONAL, STATE, AND LOCAL CODES.
6. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
7. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
8. THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
9. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL.
10. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
11. THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
12. ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF LEAD-INS.
13. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
14. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT, MILLED SURFACE, OR BINDER COURSE BEFORE THE FINAL OVERLAY. THE RISER AREA SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN PRICE FOR DETECTOR LOOPS.
15. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
16. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
17. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
18. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
19. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
20. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
21. THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
22. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
23. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
24. 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.
25. ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, AND PHOTOCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
26. THE PROPOSED CONDUIT SHALL BE COUPLED TO THE EXISTING CONDUIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED CONDUIT PAY ITEMS.
27. THE COST OF ADJUSTING THE DETECTOR LOOP RISERS FOR THE PROPOSED DETECTOR LOOPS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE DETECTOR LOOP PAY ITEM.
28. THE CONTRACTOR SHALL REMOVE ALL SIGNS FROM THE EXISTING MAST ARMS AND INSTALL THEM ON THE PROPOSED MAST ARMS. THE CONTRACTOR SHALL PROVIDE NEW BACKETING, BANDING, HARDWARE, AND ALL OTHER ITEMS REQUIRED FOR INSTALLATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARM.
29. THE REMOVAL AND REINSTALLATION OF EMERGENCY VEHICLE PREEMPTION COMPONENTS TO FACILITATE THE INSTALLATION OF NEW TRAFFIC SIGNAL CABLE SHALL BE INCLUDED IN THE BID PRICE FOR THE PAY ITEM ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 20 3C.

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 - JPM	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
TRAFFIC SIGNAL CNST. NOTES (IL RTE 29 AND RAMPS A&B)

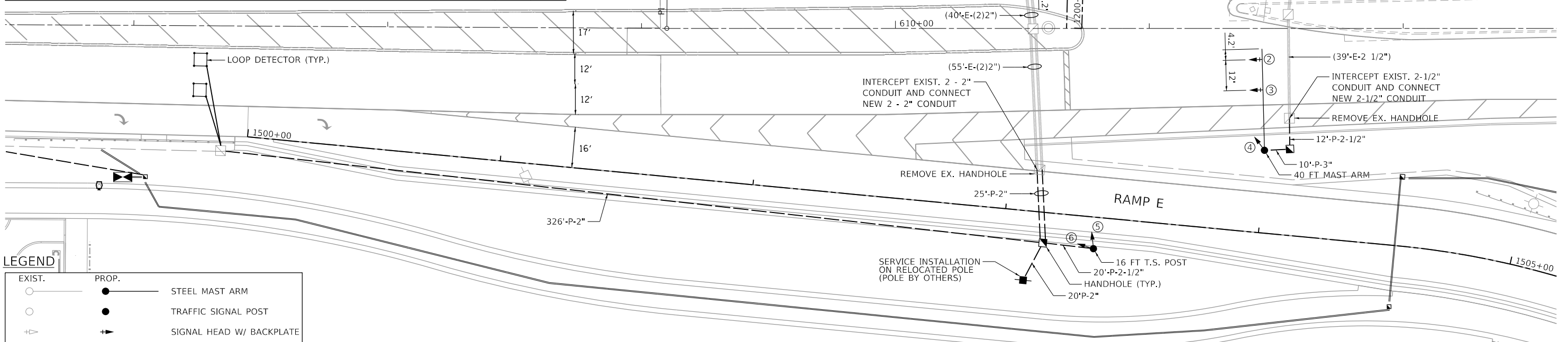
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B:((102-1),(14HB))BR]BR	PEORIA	1361	608
CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

TRSIG-W02

SCHEDULE OF QUANTITIES

ITEM	UNITS	QNTY
SERVICE INSTALLATION, TYPE B	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	425
UNDERGROUND CONDUIT, PVC, 2-1/2" DIA.	FOOT	32
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	10
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	552
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	922
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1526
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	378
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	337
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 18 3 PAIR	FOOT	1259
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	556
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	6
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	13
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3 SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4 SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE RETROREFLECTIVE	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	108
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
CAT 5 ETHERNET CABLE	FOOT	80
VIDEO DETECTION SYSTEM	EACH	1
FIBER OPTIC CABLE IN CONDUIT, 24 FIBERS, SINGLE MODE	FOOT	1417
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1



LEGEND

		STEEL MAST ARM
		TRAFFIC SIGNAL POST
		SIGNAL HEAD W/ BACKPLATE
		SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSH BUTTON DETECTOR
		HANDHOLE
		SIGNAL CONTROLLER
		PRIORITY VEHICLE DETECTOR
		POWER POLE
		UNDERGROUND CABLE
		LOOP DETECTOR

REMOVAL SCHEDULE

REMOVE EX. TRAFFIC SIGNAL EQUIPMENT

LOCATION	UNIT	QNTY
INTERSECTION	EA	1

REMOVE EX. HANDHOLE

APPROX. STA. O/S	UNIT	QNTY
610+56.80 55.6' RT	EA	1
611+55.23 35.4' RT	EA	1

REMOVE EX. FOUNDATION

APPROX. STA. O/S	UNIT	QNTY
610+76.79 59.8' RT	EA	1
611+55.53 38.7' RT	EA	1

INTERCONNECT SCHEDULE

FROM	TO	QNTY
RAMP A&B	RAMP C&D	1,174.0 FT
RAMP C&D	LORENTZ	243.0 FT

POST/MAST ARM SCHEDULE

APPROX. STA. O/S	ITEM	FOUNDATION
610+16.4 72.9' LT	10 FT T.S. POST	TYPE A
610+78.0 86.9' RT	16 FT T.S. POST	TYPE A
611+45.4 48.1' RT	40 FT M.A.	TYPE E, 36" DIA., 13' DEPTH

CONSTRUCTION NOTES:

- DETECTOR LOOPS SHALL BE LOCATED IN THE CENTER OF THEIR RESPECTIVE LANES. THE BUREAU OF TRAFFIC SHALL BE NOTIFIED TO VERIFY PROPOSED LOOP LOCATIONS BEFORE THEY ARE CUT.
- PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE PROPOSED LEVELING BINDER COURSE BEFORE PLACEMENT OF THE FINAL SURFACE COURSE. THIS WORK SHALL BE INCLUDED IN THE "DETECTOR LOOP REPLACEMENT" PAY ITEM.
- MAST ARM MOUNTED SIGNAL HEADS SHALL BE POSITIONED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
- ALL CONDUIT SHALL BE PVC.



FINAL SUBMITTAL

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

USER NAME = kpeschel
PLOT SCALE = 40.00' / in.
PLOT DATE = 11/29/2018

DESIGNED - MPG
DRAWN - MPG
CHECKED - DPJ
DATE - 11/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED TRAFFIC SIGNALS (IL RTE 29 AND RAMPS A&B)

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. N/A TO STA. N/A

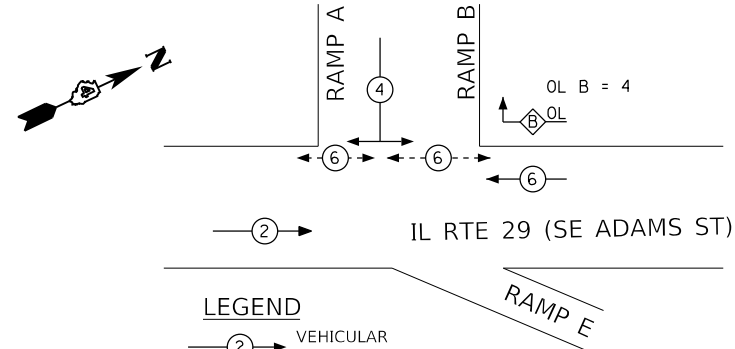
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA	1361	609

CONTRACT NO. 68B46
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

TRSIG-W02

LOOPS	PHASE	NO. CHANNELS REQUIRED
D-4	4	2
D-2A, D-2B	2	2
D-6A, D-6B	6	2
D-2C	-	-
D-6C	-	-
TOTAL		6

NAME OF INTERSECTION: RTE. 29 & RAMP A, B & E TS-2
 CONTROLLER: FAC T4 CAB, NTCIP COMPLIANT, NEMA T8-2, 16 POSITION BACK PANEL
 THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNED BELOW:



LEGEND

- ② → VEHICULAR MOVEMENT
- OL → OVERLAP
- ⑥ → PEDESTRIAN MOVEMENT

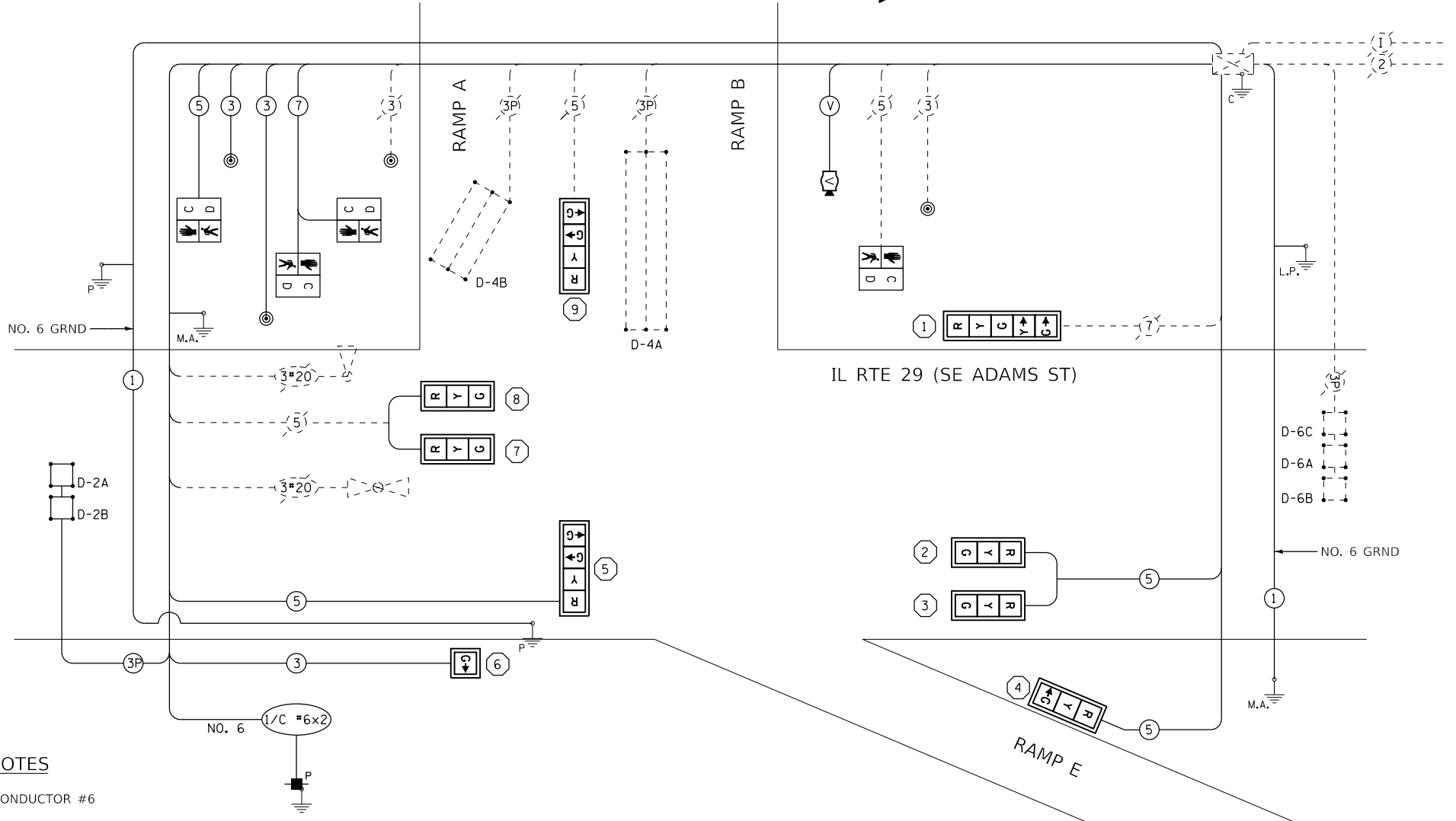
PHASE DESTINATION DIAGRAM

CABLE PLAN LEGEND

- | | | |
|---------------------------|---------------------------|--|
| EXIST. (dashed circle) | PROP. (solid circle) | CABLE NUMBER (* = SEE CABLE NOTES) |
| (Symbol with Y) | (Symbol with Y) | LEFT TURN YELLOW |
| (Symbol with G) | (Symbol with G) | LEFT TURN GREEN |
| (Symbol with box) | (Symbol with box) | SIGNAL SECTION |
| (Symbol with box) | (Symbol with box) | TRAFFIC SIGNAL BACKPLATE (RETROREFLECTIVE) |
| (Symbol with DW/W) | (Symbol with C/D) | WALK/DON'T WALK SECTION / COUNTDOWN TIMER |
| (Symbol with circle) | (Symbol with circle) | PEDESTRIAN PUSH BUTTON DETECTOR |
| (Symbol with square) | (Symbol with square) | DETECTOR LOOP |
| (Symbol with dashed line) | (Symbol with dashed line) | PRIORITY VEHICLE DETECTOR |
| (Symbol with X) | (Symbol with X) | CONTROLLER |
| (Symbol with P) | (Symbol with P) | POWER SERVICE INSTALLATION |
| (Symbol with 2) | (Symbol with 2) | SIGNAL HEAD NUMBER |
| (Symbol with V) | (Symbol with V) | VIDEO DETECTION SYSTEM |

CABLE NOTES

- ① 1 CONDUCTOR #6
- ② 2 CONDUCTOR #6
- ③ 3 CONDUCTOR #14
- ⑤ 5 CONDUCTOR #14
- ⑦ 7 CONDUCTOR #14
- ③P 3 PAIR #18 TW/SH
- ③#20 3 CONDUCTOR #20
- ① INTERCONNECT CABLE 24 FIBER SM
- ⑤ VIDEO DETECTION CABLE (CAT 5 ETHERNET CABLE)



FINAL SUBMITTAL

MODEL: Default
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 PROJECT: US 150 Eastbound McClugage Bridge Project
 SHEET: 317
 DATE: 11/28/2018

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

USER NAME = mgormely	DESIGNED - JPM	REVISD -
PLOT SCALE = 40.00' / in.	CHECKED - DAJ	REVISD -
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

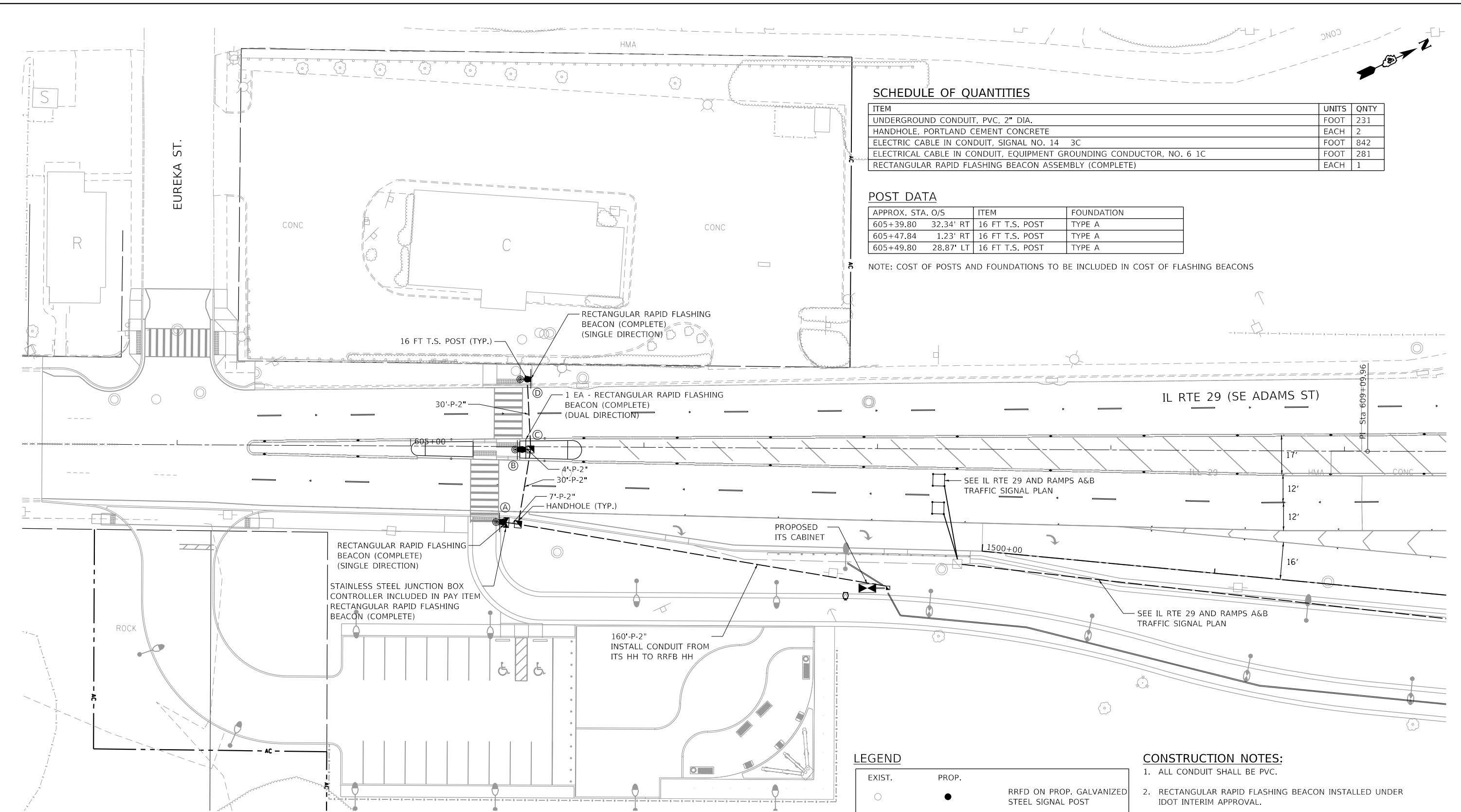
US 150 EASTBOUND MCCLUGAGE BRIDGE PROJECT
 PROPOSED CABLE PLAN (IL RTE 29 AND RAMPS A&B)

SCALE: NONE SHEET 3 OF 3 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	610
ILLINOIS FED. AID PROJECT			NHPY-RP3(905)	

TRSIG-W03

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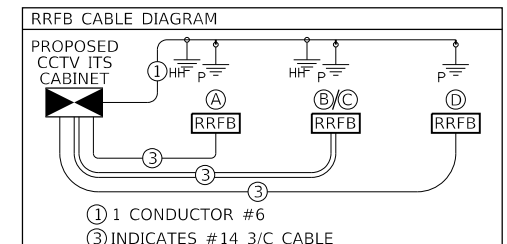
SCHEDULE OF QUANTITIES

ITEM	UNITS	QNTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	231
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	842
ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	281
RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	1

POST DATA

APPROX. STA. O/S	ITEM	FOUNDATION
605+39.80 32.34' RT	16 FT T.S. POST	TYPE A
605+47.84 1.23' RT	16 FT T.S. POST	TYPE A
605+49.80 28.87' LT	16 FT T.S. POST	TYPE A

NOTE: COST OF POSTS AND FOUNDATIONS TO BE INCLUDED IN COST OF FLASHING BEACONS



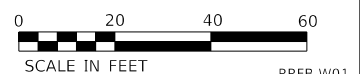
THE CONTRACTOR SHALL FURNISH AND INSTALL ONE 15A CIRCUIT BREAKER INSIDE THE PROPOSED ITS CABINET TO PROVIDE POWER TO THE RRFB UNITS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE RRFB ASSEMBLY.

LEGEND

EXIST.	PROP.	
○	●	RRFD ON PROP. GALVANIZED STEEL SIGNAL POST
⊙	⊙	PEDESTRIAN PUSH BUTTON DETECTOR
□	□	HANDHOLE
⊠	⊠	SIGNAL CONTROLLER
—	—	UNDERGROUND CABLE
□	□	LOOP DETECTOR

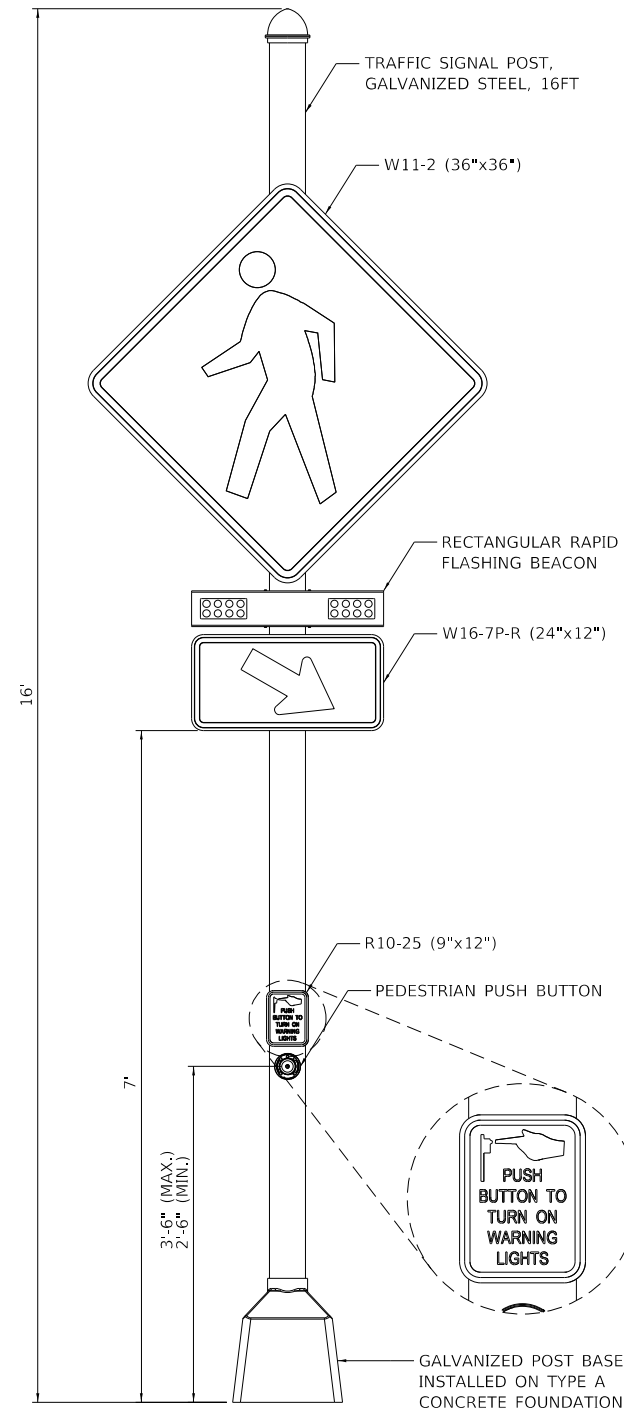
CONSTRUCTION NOTES:

- ALL CONDUIT SHALL BE PVC.
- RECTANGULAR RAPID FLASHING BEACON INSTALLED UNDER IDOT INTERIM APPROVAL.

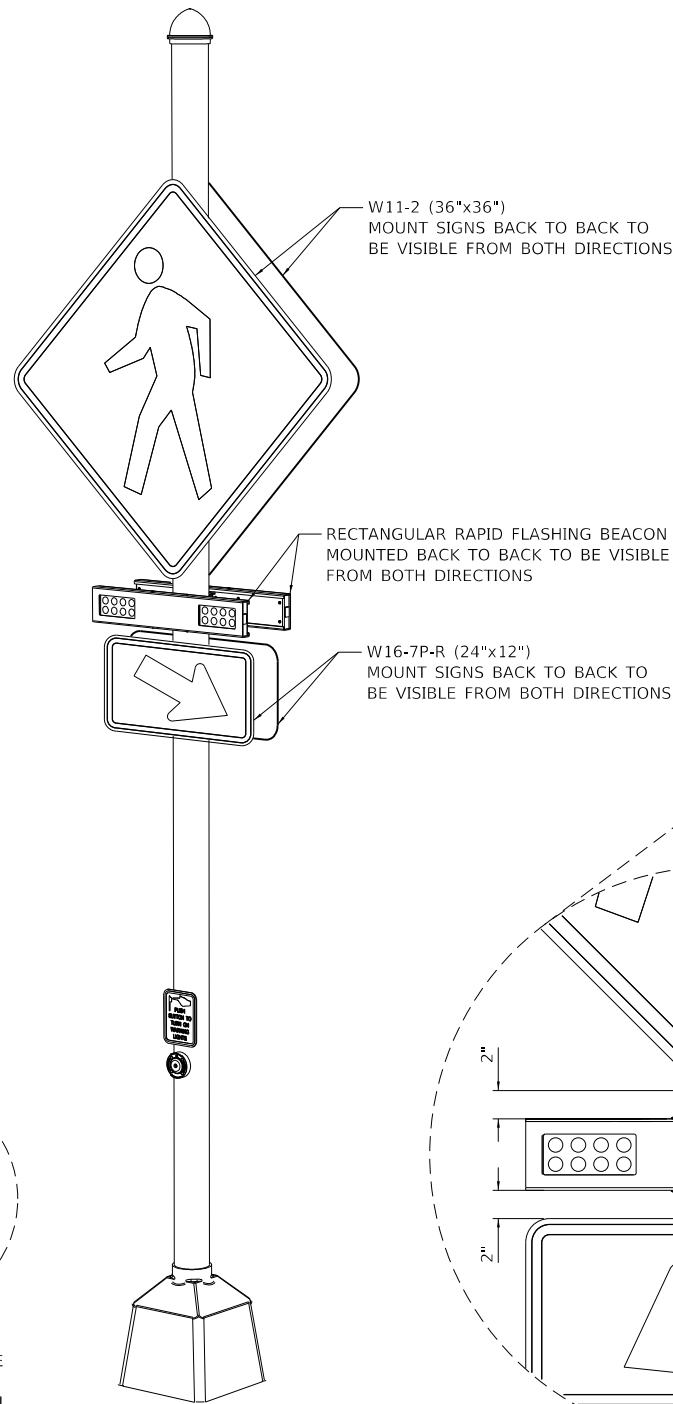


TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgormely DESIGNED - KRP DRAWN - KRP CHECKED - DPJ DATE - 11/28/2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND MCLUGAGE BRIDGE PROJECT PROPOSED RRFB (IL RTE 29 AND EUREKA ST.)	F.A.P. RTE. 317 SECTION [15B;[(102-1),(14H)]BR]BR COUNTY PEORIA TOTAL SHEETS 1361 SHEET NO. 611	CONTRACT NO. 68B46 ILLINOIS FED. AID PROJECT NHPP-YRP3(905)
	PLOT SCALE = 40.00' / in. PLOT DATE = 11/28/2018	SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A			RRFB-W01	
	SCALE IN FEET					

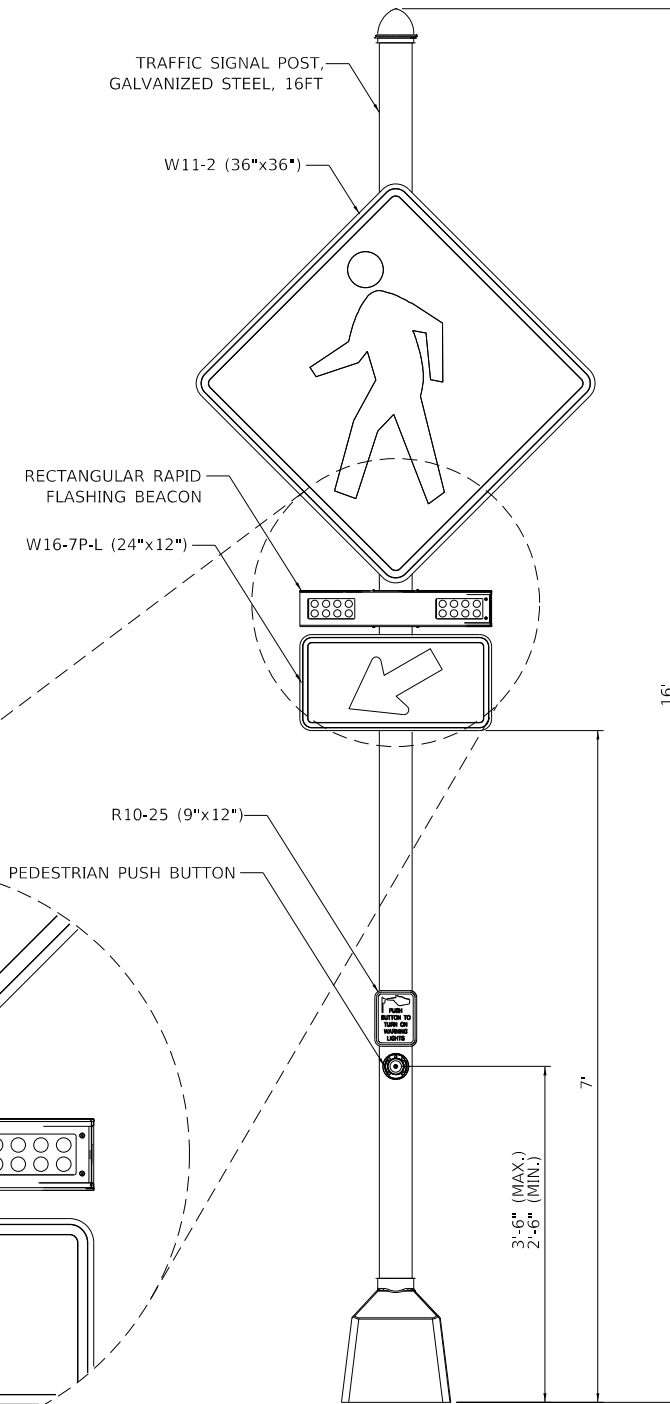
NOTE: THE CONTRACTOR SHALL FURNISH AND INSTALL TWO SINGLE DIRECTION AND ONE DUAL DIRECTION RRFB ASSEMBLIES; THIS WORK SHALL BE PAID FOR AS RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE) WHICH SHALL INCLUDE ALL THREE FLASHING BEACON ASSEMBLIES AND ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR INSTALLATION



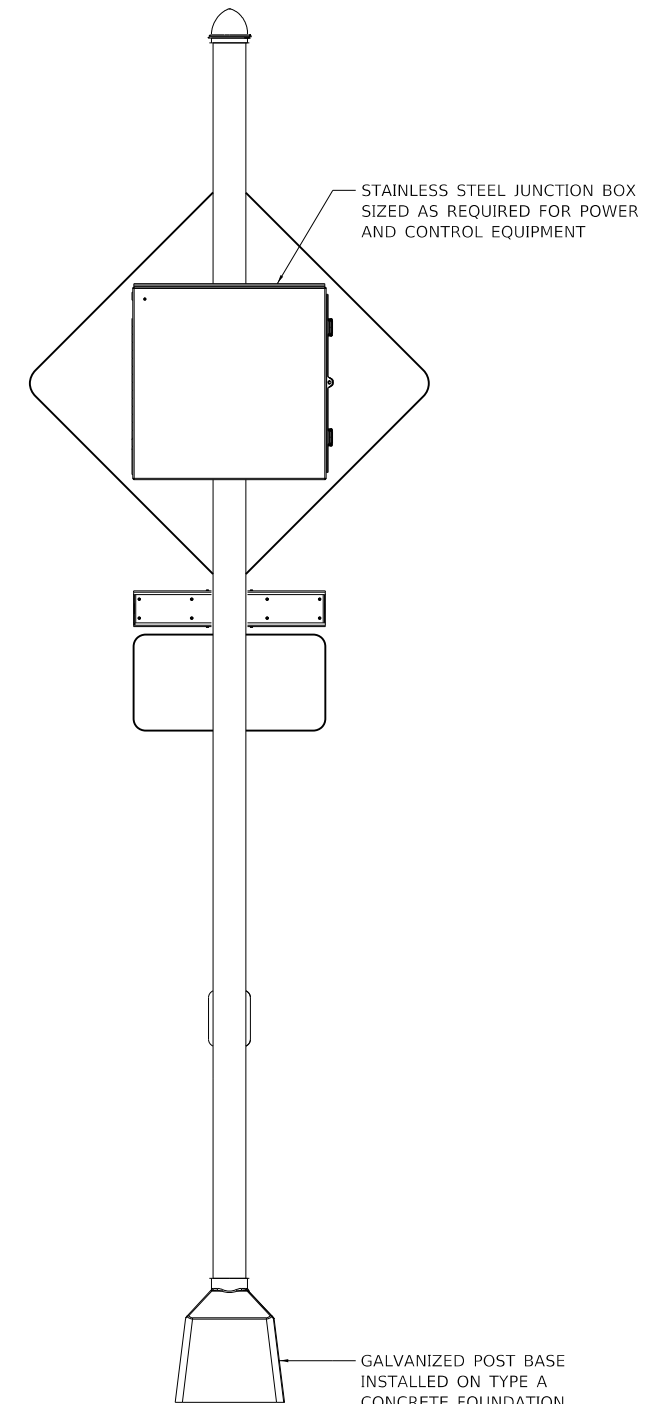
RECTANGULAR RAPID FLASHING BEACON DETAIL (DUAL DIRECTION)
SCALE: NONE
(STA. 605+47.84, 1.23' RT)



- NOTES:
1. DIMENSIONS TO FINISHED GRADE
 2. MAINTAIN MIN. 2' LATERAL CLEARANCE FROM FACE OF CURB TO THE EDGE OF ROAD SIGN
 3. SIGN POST FOUNDATION TO BE INSTALLED IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 878001-10
 4. THE COST OF THE CONCRETE FOUNDATIONS SHALL BE INCLUDED IN THE COST OF THE RRFB ASSEMBLIES



RECTANGULAR RAPID FLASHING BEACON DETAIL (SINGLE DIRECTION)
SCALE: NONE
(STA. 605+39.80, 32.34' RT & STA. 605+49.80, 28.87' LT)



FINAL SUBMITTAL

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TYLIN INTERNATIONAL
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SUITE 1400
CHICAGO, IL 60606
TEL: 312-777-2900

USER NAME = kpeschel	DESIGNED - KRP	REVISED -
PLOT SCALE = 2.00' / in.	DRAWN - KRP	REVISED -
PLOT DATE = 11/29/2018	CHECKED - DPJ	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
RECTANGULAR RAPID FLASHING BEACON DETAIL

SCALE: NONE SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A





















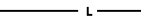
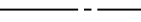
F.A.P. RTE. 317	SECTION [15B;{(102-1),(14HB)}BR]BR	COUNTY PEORIA	TOTAL SHEETS 1361	SHEET NO. 612
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPP-YRP3(905)				

RRFB-W02

GENERAL NOTES:

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- THE LOCATIONS OF EXISTING LIGHTING FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS.
- WHEREVER TEMPORARY AERIAL CABLE IS REQUIRED TO CROSS AN EXISTING OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
- THE CONTRACTOR SHALL FURNISH AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
- NO LIGHT POLE SHALL BE ERECTED UNTIL THE FOUNDATION HAS CURED PER ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS.
- FOUNDATIONS FOR RELOCATED LIGHT POLES SHALL BE 30" DIAMETER. THE CONTRACTOR SHALL VERIFY THE ANCHOR BOLT DIAMETER, BOLT CIRCLE, BOLT PROJECTION OF THE EXISTING FOUNDATIONS BEFORE CONSTRUCTION OF THE NEW FOUNDATIONS.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT FOUNDATIONS SHALL BE EXOTHERMIC, AS APPLICABLE.
- CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS BETWEEN PROPOSED LIGHTING POLE LOCATIONS AND UTILITY LINES.
- POLE SETBACK SHALL BE 5 FT UNLESS NOTED OTHERWISE. NO POLE SHALL BE INSTALLED IN THE FLOW LINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- BREAKAWAY COUPLINGS SHALL BE INSTALLED ON ALL LIGHT POLES, EXCEPT LIGHT POLES THAT ARE MOUNTED ON THE BRIDGE PARAPET WALL, ARE LOCATED BEHIND GUARDRAIL, OR ARE IN A PEDESTRIAN CONFLICT AREA ACCORDING TO ARTICLE 838.
- STAINLESS STEEL SCREEN INSTALLED AROUND BREAKAWAY COUPLINGS OR ANCHOR RODS AND NUTS SHALL BE ACCORDING TO ARTICLE 1070.
- THE CONTRACTOR SHALL INSTALL LUMINAIRES WITH OPTICS SET PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY OR PEDESTRIAN/BICYCLE PATHWAY.
- ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBER SHALL BE AS DIRECTED BY THE ENGINEER.
- FURNISH AND INSTALL STAINLESS STEEL CONDUIT WHEREVER CONDUIT ATTACHED TO STRUCTURE IS SUSCEPTIBLE TO DROPPING FROM THE BRIDGE OR SALT SPRAY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE APPLICABLE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT THE APPROVAL OF THE ENGINEER.
- ALL LIGHT POLES, LUMINAIRES, AND LIGHTING EQUIPMENT SCHEDULED FOR REMOVAL IN PEORIA COUNTY SHALL BE DELIVERED TO THE CITY OF PEORIA DRIES LANE FACILITY LOCATED AT 3505 N. DRIES LANE, PEORIA, IL.
- ALL LIGHT POLES, LUMINAIRES, AND LIGHTING EQUIPMENT SCHEDULED TO BE REMOVED ON THE BRIDGE AND IN TAZEWELL COUNTY SHALL BE DELIVERED TO THE IDOT MAINTENANCE FACILITY LOCATED AT 6500 W US ROUTE 150, EDWARDS, IL.














LEGEND:

-  EXISTING ELECTRIC UTILITY POLE
-  EXISTING LIGHTING CONTROLLER
-  EXISTING LIGHTING UNIT NO.
-  EXISTING ROADWAY LIGHTING UNIT
-  EXISTING UNDERPASS LUMINAIRE
-  EXISTING WATERWAY OBSTRUCTION WARNING LUMINAIRE, GREEN CHANNEL CENTER
-  EXISTING WATERWAY OBSTRUCTION WARNING LUMINAIRE, RED CHANNEL MARGIN
-  EXISTING JUNCTION BOX (JB)
-  EXISTING UNIT DUCT
-  PROPOSED LIGHTING CONTROLLER, SIZE AND TYPE AS NOTED
-  PROPOSED LIGHTING UNIT NO.
-  PROPOSED PATHWAY LIGHTING UNIT, LED LUMINAIRE, HORIZONTAL MOUNT, VERY LOW WATTAGE
-  PROPOSED PARK LIGHTING UNIT, LED LUMINAIRE, HORIZONTAL MOUNT, LOW WATTAGE
-  PROPOSED ROADWAY LIGHTING UNIT, LED LUMINAIRE, HORIZONTAL MOUNT, MEDIUM WATTAGE
-  PROPOSED UNDERPASS LIGHTING UNIT, LED LUMINAIRE, WALL MOUNT
-  PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, GREEN CHANNEL CENTER, 25W, LED
-  PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, RED CHANNEL MARGIN, 25W, LED
-  PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
-  PROPOSED UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
-  PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
-  PROPOSED AERIAL CABLE
-  PROPOSED UNDERGROUND CONDUIT, COAILABLE NONMETALLIC CONDUIT, 3" DIA, SCHEDULE 80

SCHEDULE OF QUANTITIES

DESCRIPTION	UNITS	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	70
UNDERGROUND CONDUIT, COAILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	435
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL	FOOT	112
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	115
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	1,756
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	20,265
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	10
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 4"	EACH	28
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	8
UNIT DUCT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3,850
UNIT DUCT, 600V, 2-1/C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	2,495
UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	6,086
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	462
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	31,414
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	17,156
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	7,520
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	19,505
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED	EACH	6
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP (DUAL)	EACH	3
LIGHT POLE, ALUMINUM, 45 FT. M.H., 8 FT. DAVIT ARM	EACH	9
LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT	EACH	15
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 8 FT. MAST ARM	EACH	13
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	EACH	9
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	110
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	202
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	13
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	32
REMOVAL OF POLE FOUNDATION	EACH	16
REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING SYSTEM	L SUM	1
REMOVAL OF LIGHTING CONTROLLER	EACH	3
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3
GFCI 20 AMP DUPLEX RECEPTACLE	EACH	28
CIRCUIT BREAKER IN STREET LIGHT CONTROLLER	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	15
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	57
LUMINAIRE, LED, HORIZONTAL MOUNT, VERY LOW WATTAGE	EACH	7
LUMINAIRE, LED, SPECIAL	EACH	28
REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	10
UNDERPASS LUMINAIRE, LED, LOW WATTAGE	EACH	4
CONDUIT, FLEXIBLE NON-METALLIC, WEATHERPROOF, 1.0" DAMETER	FOOT	155
LIGHT POLE, SPECIAL	EACH	26
LIGHT POLE, ALUMINUM, 18 FT. M.H., TENON MOUNT (SPECIAL)	EACH	7
REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	2

CABLE/CONDUIT SCHEDULE

-  UNIT DUCT, 600V, 2-1/C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
-  UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
-  UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 6-1/C NO. 2, 2-1/C NO. 4 GROUND AND 3-1/C NO.8, 1/C NO.8 GROUND IN UNDERGROUND CONDUIT, GALV STEEL, 2" DIA.
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 6, 1/C NO. 6 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 3-1/C NO. 2, 1/C NO. 4 GROUND, AND 3-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 10, 1/C NO. 10 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. GALV STEEL
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 1" DIA. GALV STEEL
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 4-1/C NO. 2, 2-1/C NO. 4 GROUND, AND 4-1/C NO. 8, 2-1/C NO. 8 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA. GALV STEEL
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 4-1/C NO. 6, 2-1/C NO. 6 GROUND IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA. GALV STEEL
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 3-1/C NO. 2, 1/C NO. 4 GROUND, AND 3-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA. GALV STEEL
-  ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT, FLEXIBLE, LIQUID TIGHT, NON-METALLIC, 1" DIA.

FINAL SUBMITTAL

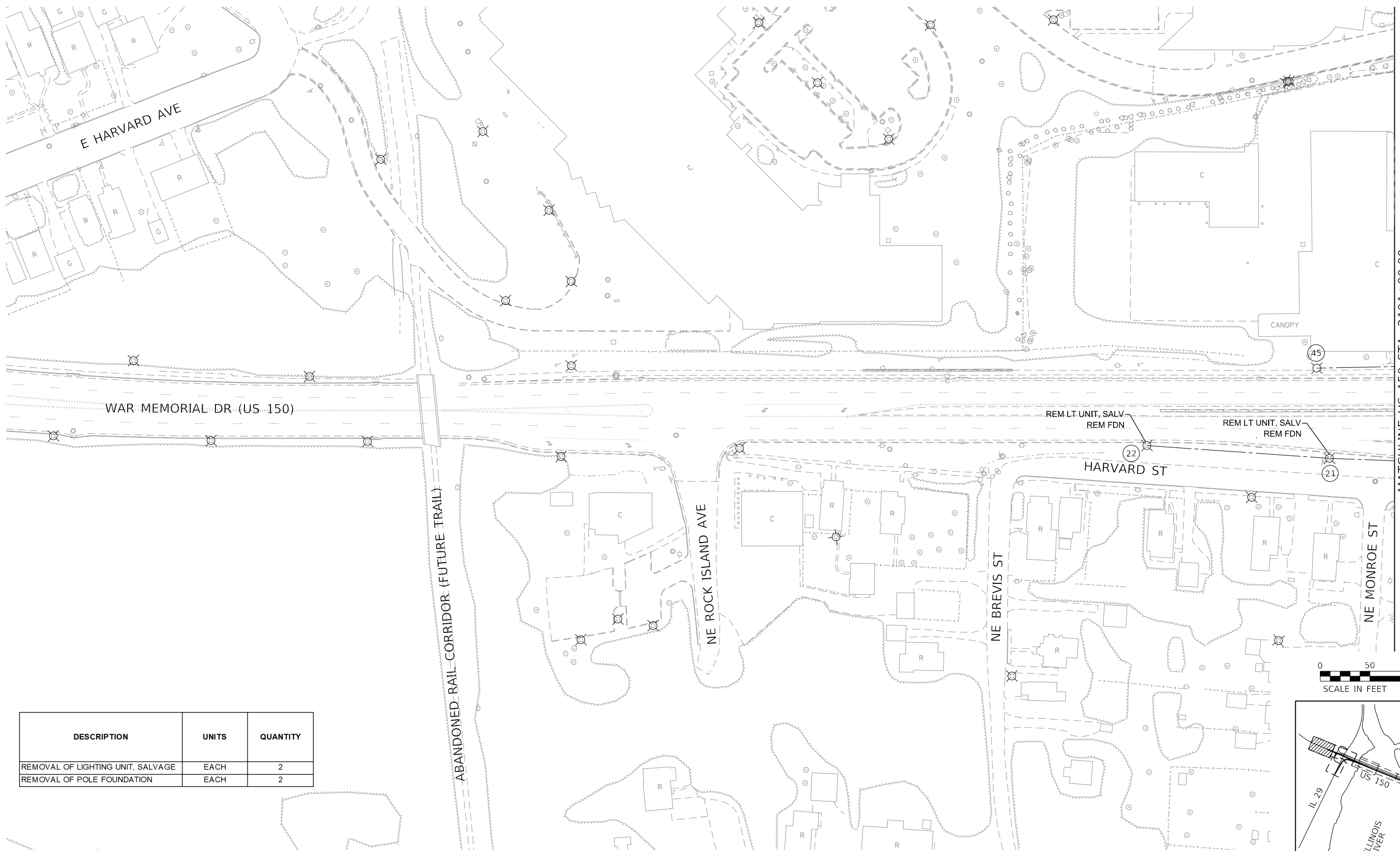
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TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = SFkcker	DESIGNED - SF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT LIGHTING GENERAL NOTES, SYMBOLS, LEGENDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.00' / in.	CHECKED -	REVISED -					317	[15B;{(102-1),(14HB)}]BR]BR	PEO/TAZ	1361	613
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -					CONTRACT NO. 68B46				
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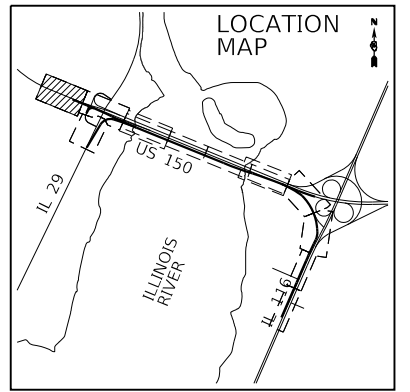
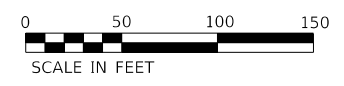
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MATCHLINE US 150 STA. 2101+00.00
 SEE SHEET LTG-03



DESCRIPTION	UNITS	QUANTITY
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
REMOVAL OF POLE FOUNDATION	EACH	2

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

USER NAME = SFicker
 DESIGNED - SF
 DRAWN - SF
 PLOT SCALE = 100.00' / in.
 CHECKED -
 DATE = 11/28/2018
 REVISIONS:
 REVISION NO. DATE BY

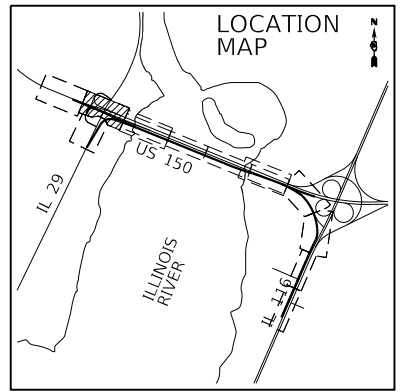
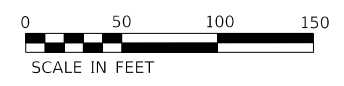
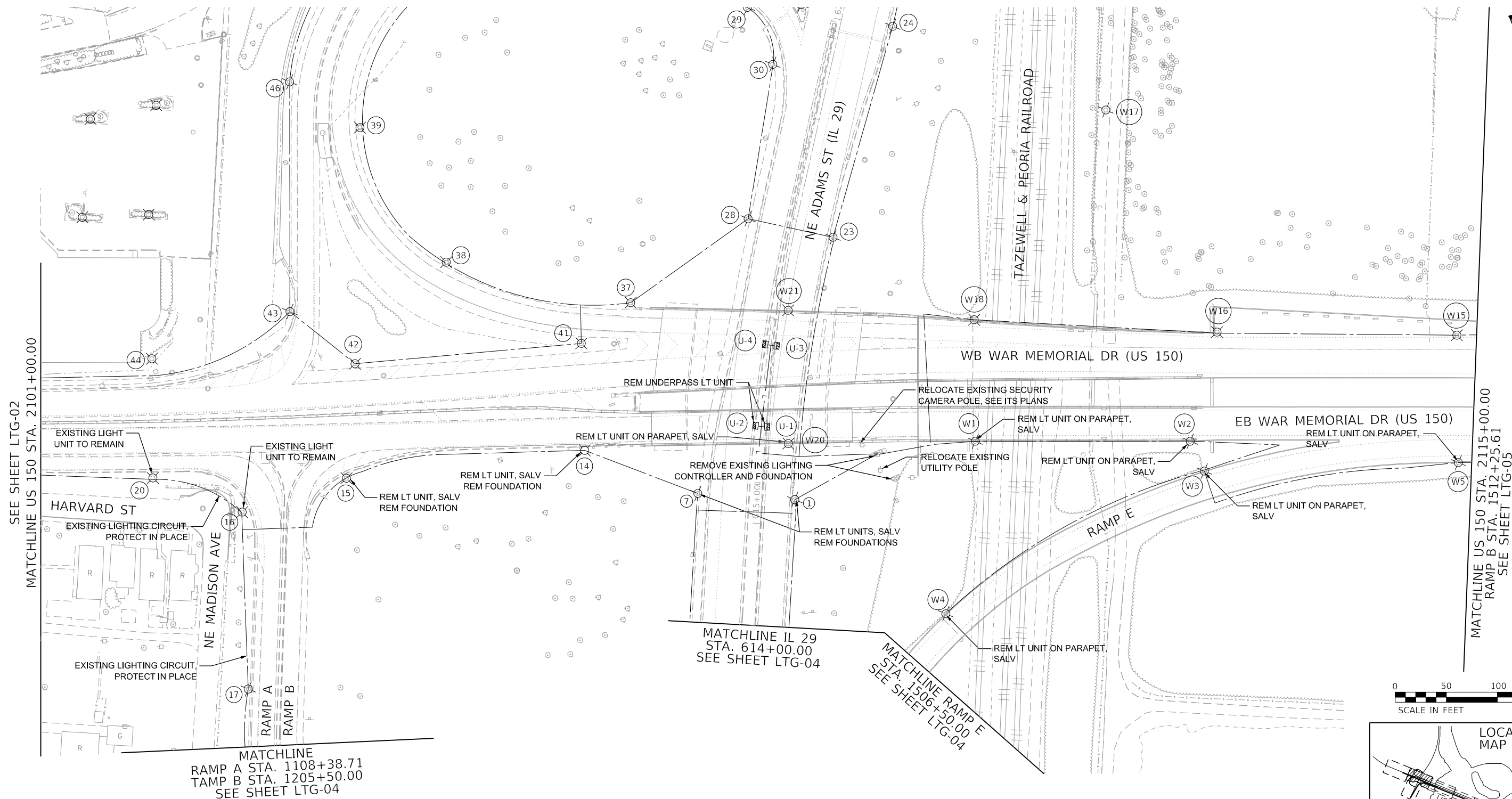
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND MCCLUGAGE BRIDGE PROJECT
 LIGHTING EXISTING CONDITIONS AND REMOVAL PLAN
 SCALE: 1"=50' SHEET 1 OF 7 SHEETS STA. 2097+57.68 TO STA. 2101+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	614
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

LTG-02

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DESCRIPTION	UNITS	QUANTITY
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10
REMOVAL OF POLE FOUNDATION	EACH	4
REMOVAL OF LIGHTING CONTROLLER	EACH	2
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2
REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	2

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

USER NAME = SFicker
 PLOT SCALE = 100.00' / in.
 PLOT DATE = 11/28/2018

DESIGNED - SF
 DRAWN - SF
 CHECKED -
 DATE - 11/28/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

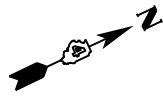
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 LIGHTING EXISTING CONDITIONS AND REMOVAL PLAN

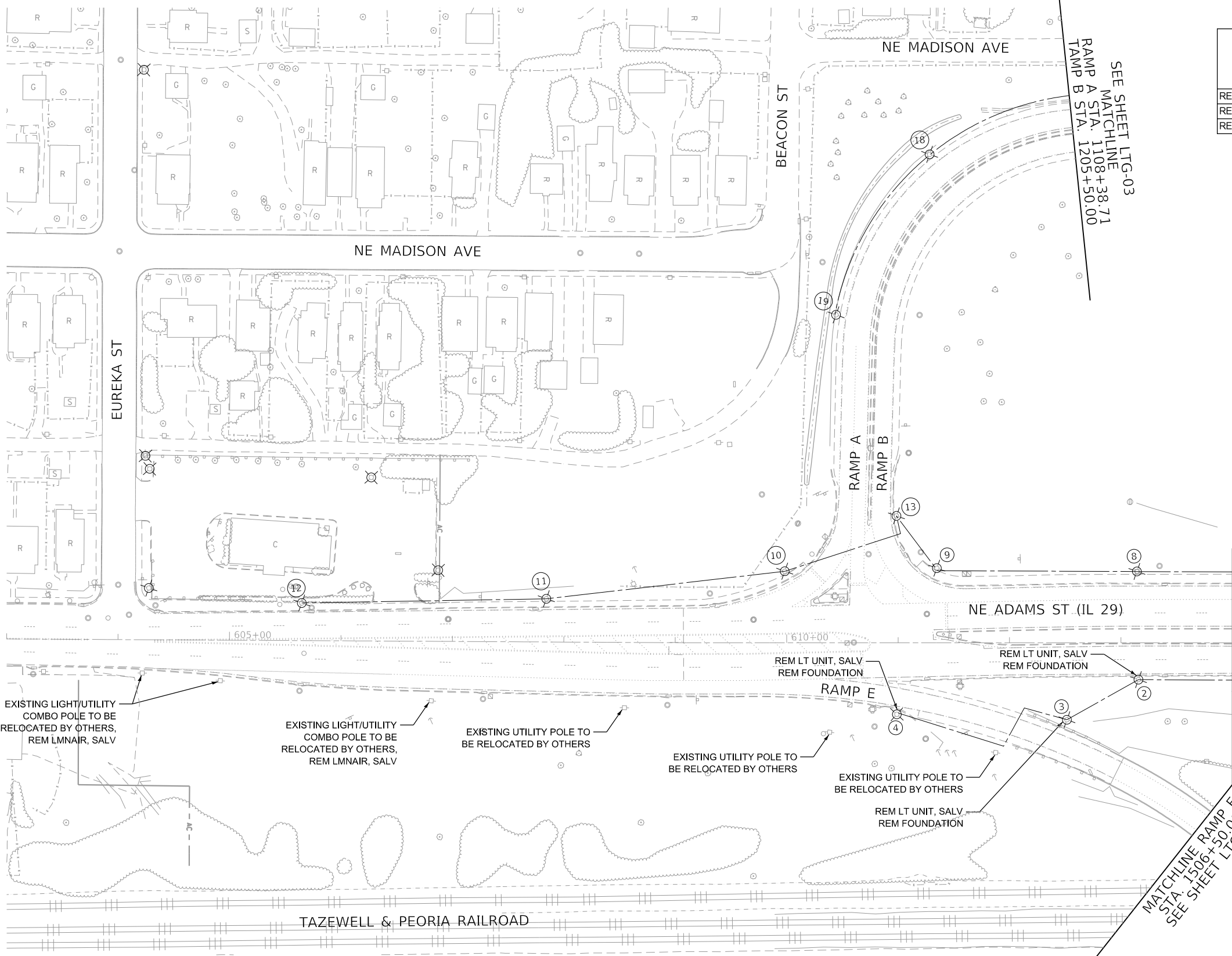
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	615
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

LTG-03



DESCRIPTION	UNITS	QUANTITY
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	3
REMOVAL OF POLE FOUNDATION	EACH	3
REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	3



EXISTING LIGHT/UTILITY COMBO POLE TO BE RELOCATED BY OTHERS, REM LMNAIR, SALV

EXISTING LIGHT/UTILITY COMBO POLE TO BE RELOCATED BY OTHERS, REM LMNAIR, SALV

EXISTING UTILITY POLE TO BE RELOCATED BY OTHERS

EXISTING UTILITY POLE TO BE RELOCATED BY OTHERS

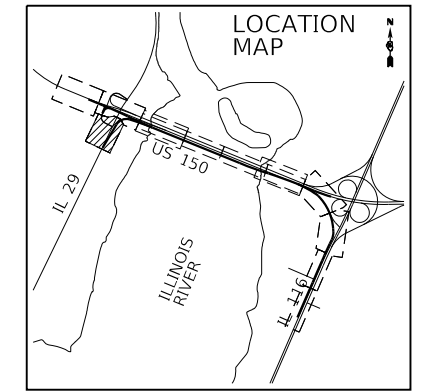
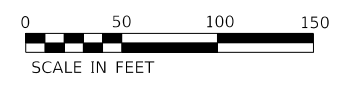
EXISTING UTILITY POLE TO BE RELOCATED BY OTHERS

EXISTING UTILITY POLE TO BE RELOCATED BY OTHERS

REM LT UNIT, SALV
REM FOUNDATION

REM LT UNIT, SALV
REM FOUNDATION

REM LT UNIT, SALV
REM FOUNDATION



FINAL SUBMITTAL

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

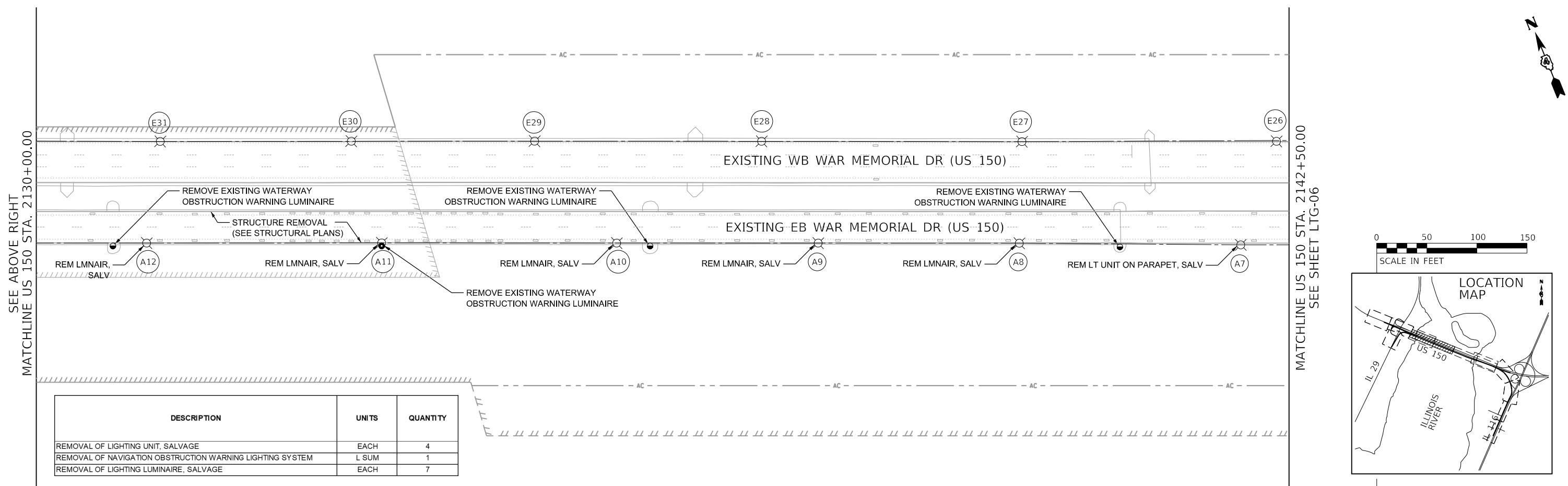
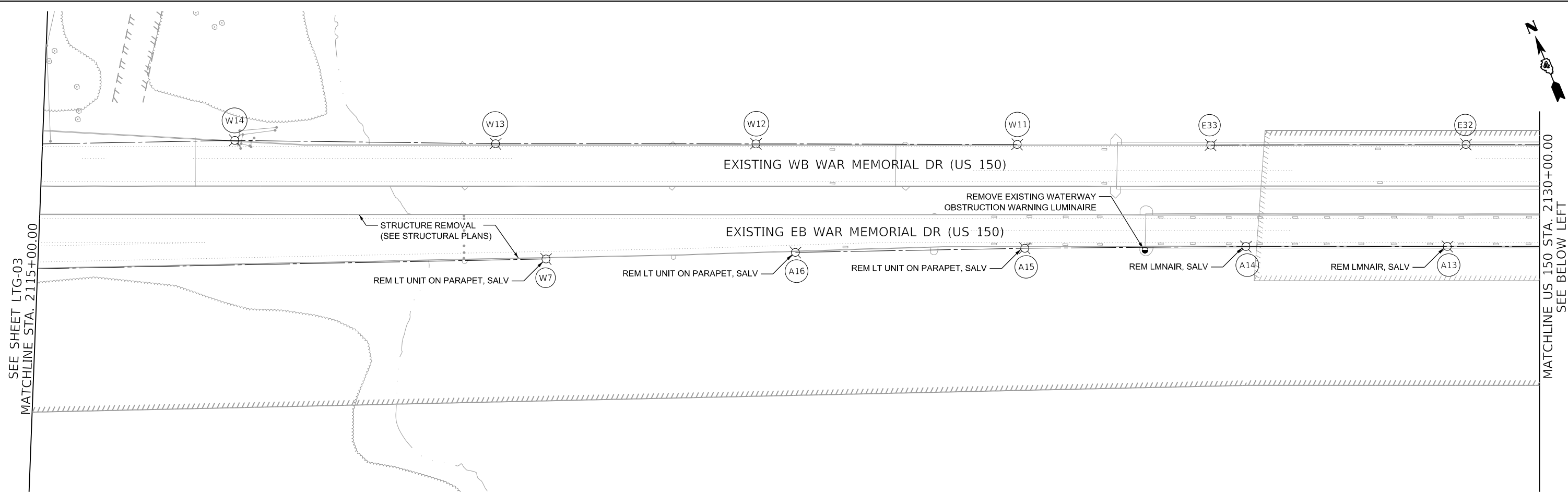
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LIGHTING EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 603+50.21 TO STA. 615+00.00

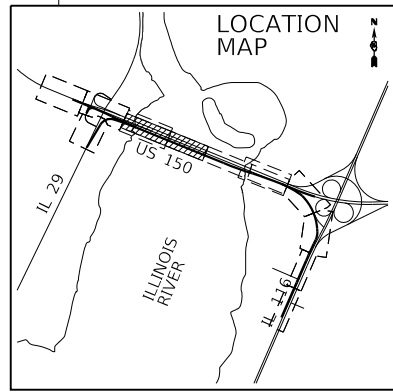
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	616
CONTRACT NO. 68B46				
ILLINOIS		FED. AID PROJECT	NHPP-YRP3(905)	

LTG-04

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DESCRIPTION	UNITS	QUANTITY
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	4
REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING SYSTEM	L SUM	1
REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	7



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

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

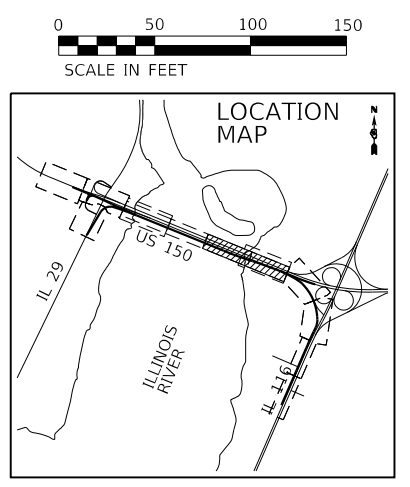
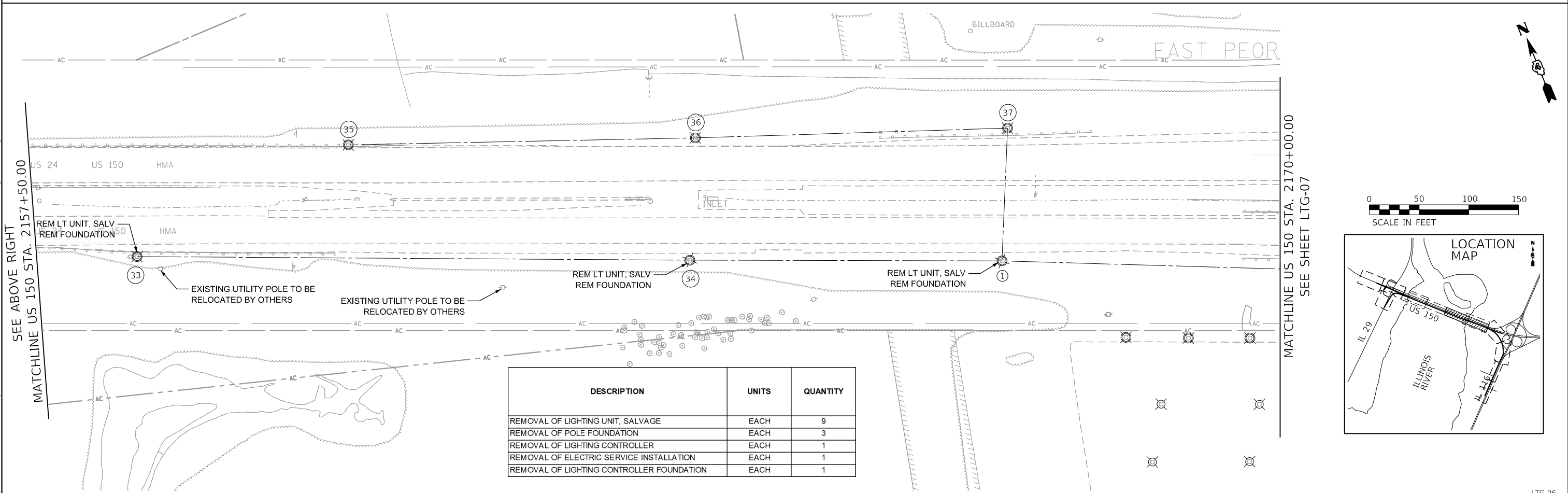
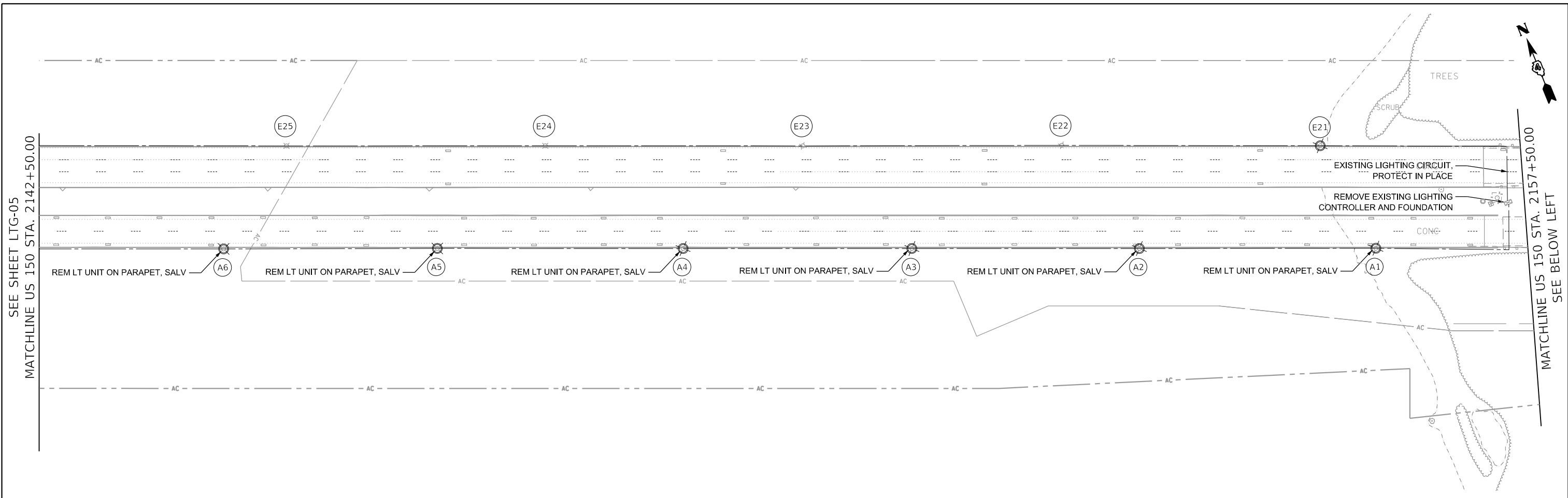
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 LIGHTING EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1"=50' SHEET 4 OF 7 SHEETS STA. 2115+00.00 TO STA. 2142+50.00

F.A.P. RTE. 317	SECTION [15B;((102-1),(14HB))BR]BR	COUNTY TAZEWELL	TOTAL SHEETS 1361	SHEET NO. 617
CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

LTG-05

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

USER NAME = SFicker
 PLOT SCALE = 100.00' / in.
 PLOT DATE = 11/28/2018

DESIGNED - SF
 DRAWN - SF
 CHECKED -
 DATE - 11/28/2018

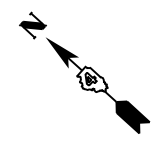
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

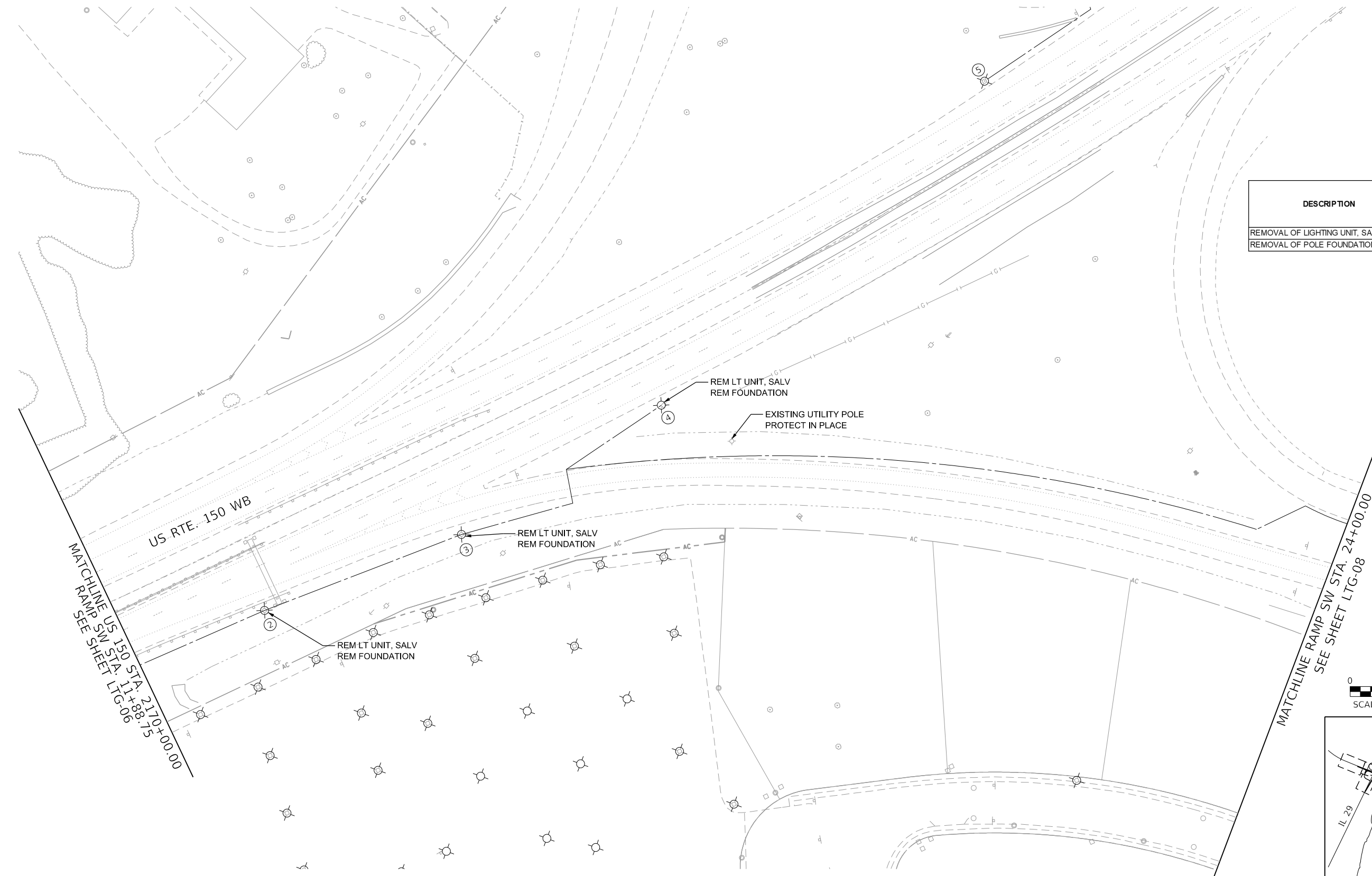
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 LIGHTING EXISTING CONDITIONS AND REMOVAL PLAN
 SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 2142+50.00 TO STA. 2170+00.00

F.A.P. RTE. 317 SECTION [15B;((102-1),(14HB))BR]BR COUNTY TAZEWELL TOTAL SHEETS 1361 SHEET NO. 618 CONTRACT NO. 68B46 ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

LTG-06

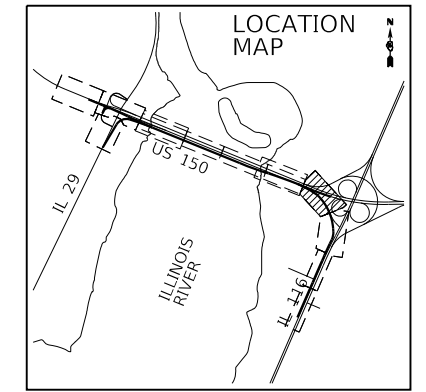
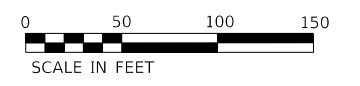


DESCRIPTION	UNITS	QUANTITY
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	3
REMOVAL OF POLE FOUNDATION	EACH	3



MATCHLINE US 150 STA. 2170+00.00
RAMP SW STA. 11+88.75
SEE SHEET LTG-06

MATCHLINE RAMP SW STA. 24+00.00
SEE SHEET LTG-08



FINAL SUBMITTAL

MODEL SHEET06
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200 S. WACKER DR.
SUITE 1400
CHICAGO, IL 60606
TEL: 312-777-2900

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

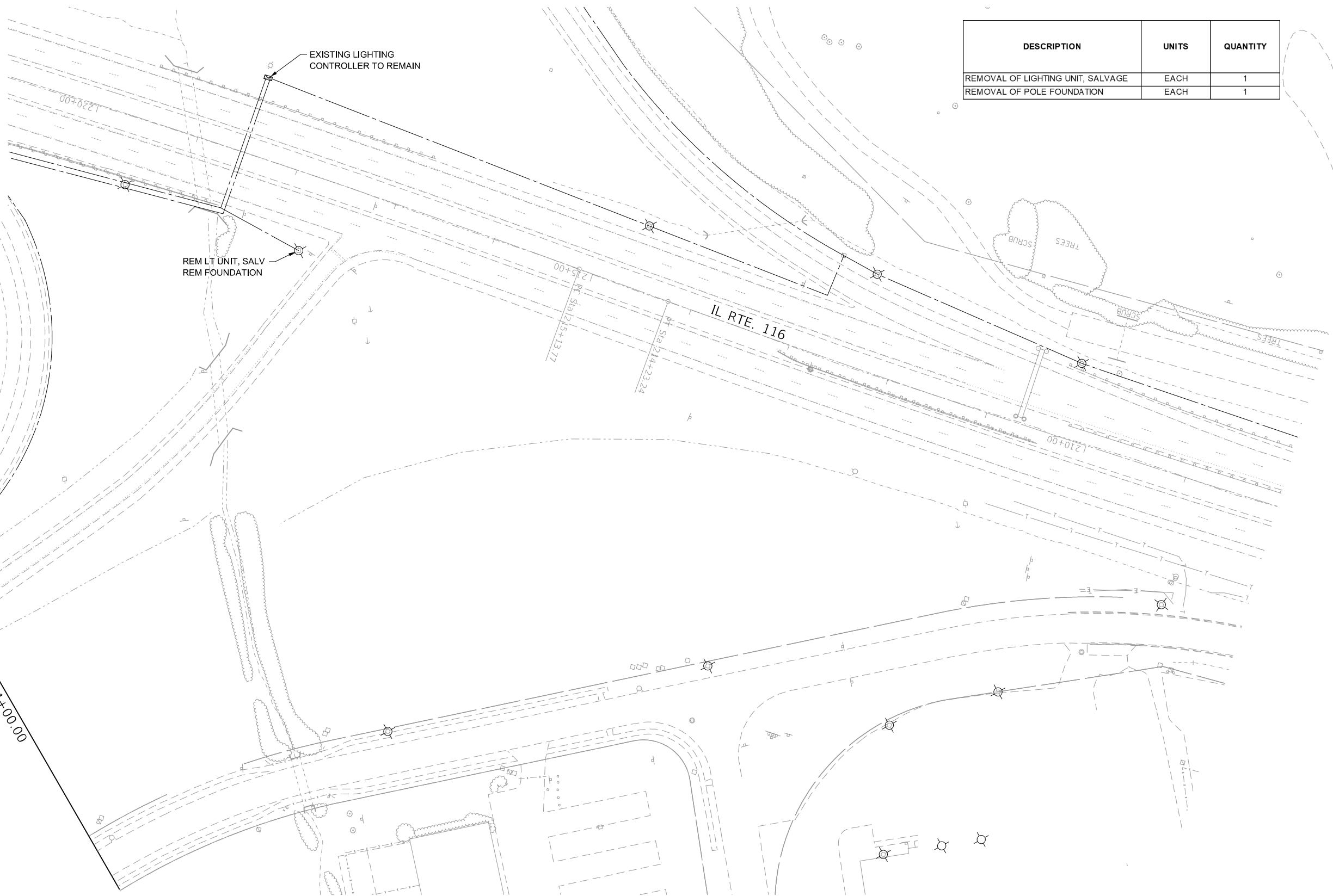
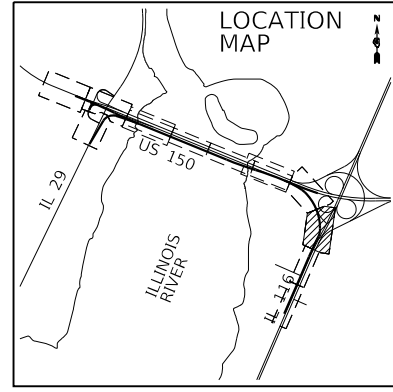
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LIGHTING EXISTING CONDITIONS AND REMOVAL PLAN
SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 2170+00.00 TO STA. 2179+38.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}BR]BR	TAZEWELL	1361	619
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPY-RP3(905)				

LTG-07



DESCRIPTION	UNITS	QUANTITY
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1
REMOVAL OF POLE FOUNDATION	EACH	1



FINAL SUBMITTAL

MODEL SHEET 07
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200 S. WACKER DR.
SUITE 1400
CHICAGO, IL 60606
TEL: 312-777-2900

USER NAME = SFicker
PLOT SCALE = 100.00' / in.
PLOT DATE = 11/28/2018

DESIGNED - SF
DRAWN - SF
CHECKED -
DATE - 11/28/2018

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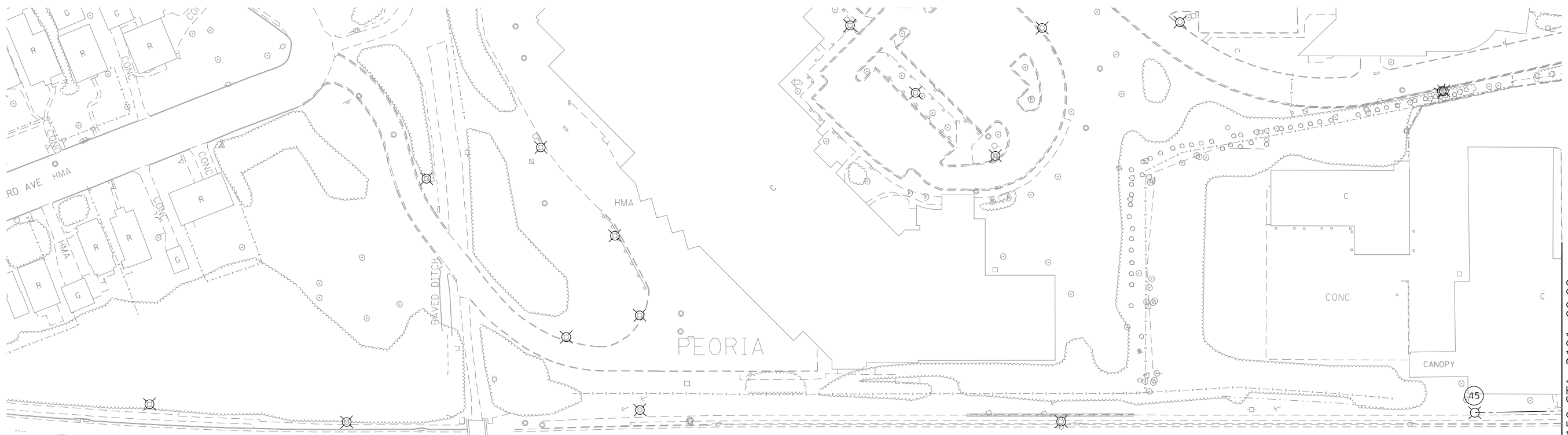
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND MCCLUGAGE BRIDGE PROJECT
LIGHTING EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1"=50' SHEET 7 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	620
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

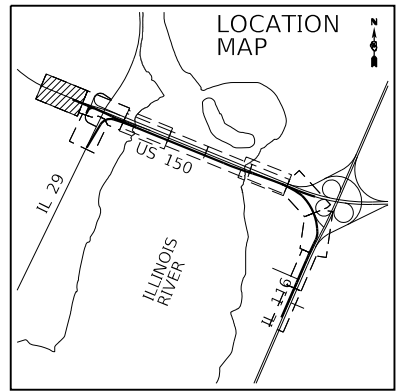
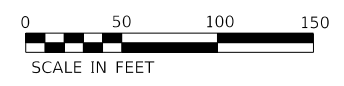
LTG-08



CABLE/CONDUIT SCHEDULE

A UNIT DUCT, 600V, 2-1/C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

DESCRIPTION	UNITS	QUANTITY
UNIT DUCT, 600V, 2-1/C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	270
LIGHT POLE, ALUMINUM, 45 FT. M.H., 8 FT. DAVIT ARM	EACH	2
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	13
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	2
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	2



MATCHLINE US 150 STA. 2101+00.00
SEE SHEET LTG-11

FINAL SUBMITTAL

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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

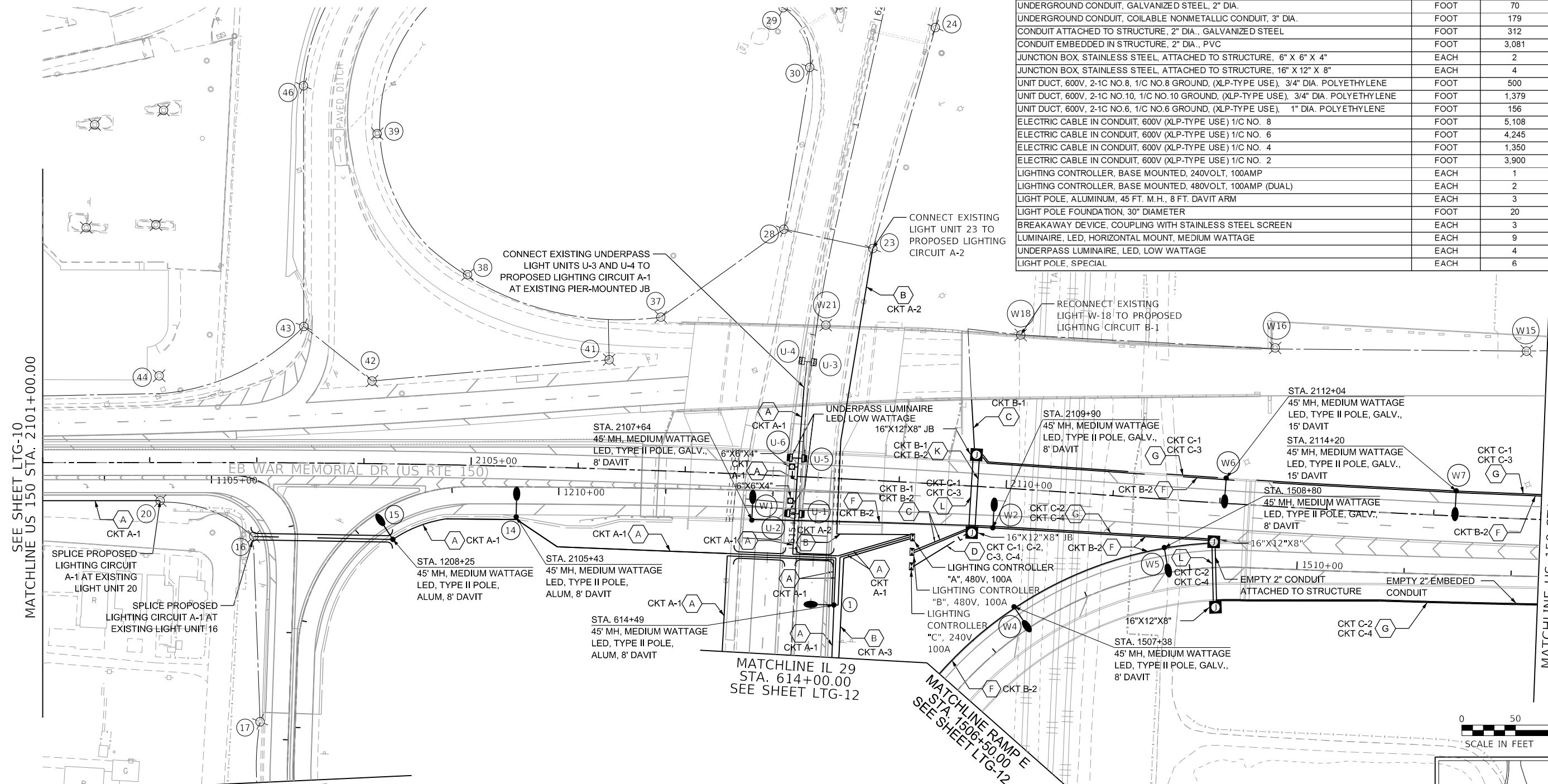
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LIGHTING PLAN

SCALE: 1"=50' SHEET 1 OF 7 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	621
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPY-RP3(905)				

LTG-09

DESCRIPTION	UNITS	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	3
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	70
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	179
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	312
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	3,081
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	4
UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	500
UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,379
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	156
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	5,108
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	4,245
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1,350
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	3,900
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP (DUAL)	EACH	2
LIGHT POLE, ALUMINUM, 45 FT. M.H., 8 FT. DAVIT ARM	EACH	3
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	20
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	3
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	9
UNDERPASS LUMINAIRE, LED, LOW WATTAGE	EACH	4
LIGHT POLE, SPECIAL	EACH	6



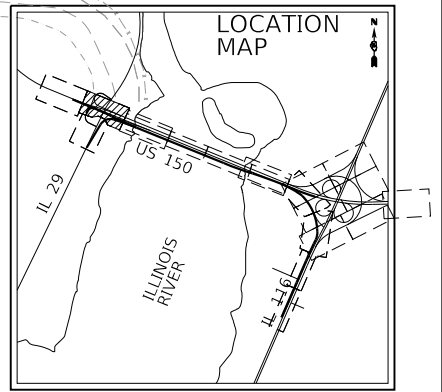
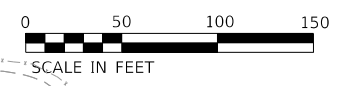
SEE SHEET LTG-10
MATCHLINE US 150 STA. 2101+00.00

MATCHLINE US 150 STA. 2115+00.00
RAMP B STA. 1512+25.61
SEE SHEET LTG-13

MATCHLINE
RAMP A STA. 1108+38.71
RAMP B STA. 1205+50.00
SEE SHEET LTG-12

MATCHLINE IL 29
STA. 614+00.00
SEE SHEET LTG-12

MATCHLINE RAMP E
STA. 1506+50.00
SEE SHEET LTG-12



NOTES:

- LIGHTING CONTROLLER "A" SHALL BE A SEPARATELY METERED ELECTRIC SERVICE AND LIGHTING CONTROLLER FOR CITY OF PEORIA MAINTAINING LIGHTING.

LETTER	DESCRIPTION	LETTER	DESCRIPTION
A	UNIT DUCT, 600V, 2-1/C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	F	ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 6, 1/C NO. 6 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
B	UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	G	ELECTRIC CABLE, 600V (XLP-TYPE USE) 3-1/C NO. 2, 1/C NO. 4 GROUND, AND 3-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
C	UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	K	ELECTRIC CABLE, 600V (XLP-TYPE USE) 4-1/C NO. 6, 2-1/C NO. 6 GROUND IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA. GALV STEEL
D	ELECTRIC CABLE, 600V (XLP-TYPE USE) 6-1/C NO. 2, 2-1/C NO. 4 GROUND AND 3-1/C NO.8, 1/C NO.8 GROUND IN UNDERGROUND CONDUIT, GALV STEEL, 2" DIA.	L	ELECTRIC CABLE, 600V (XLP-TYPE USE) 3-1/C NO. 2, 1/C NO. 4 GROUND, AND 3-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA. GALV STEEL

CABLE/CONDUIT SCHEDULE

FINAL SUBMITTAL

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LIGHTING PLAN

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

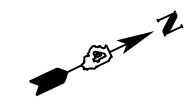
F.A.P. RTE. 317	SECTION [15B;[(102-1),(14HB)]BR]BR	COUNTY PEO/TAZ	TOTAL SHEETS 1361	SHEET NO. 622
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPP-YRP3(905)				

LTG-10

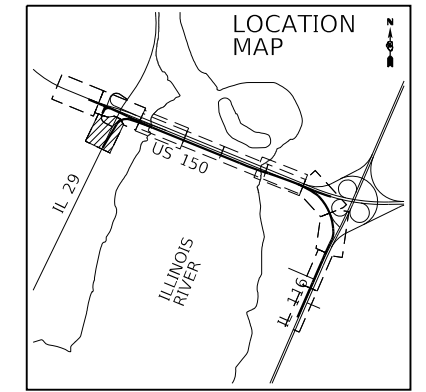
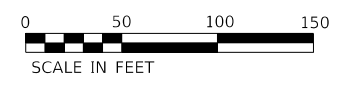
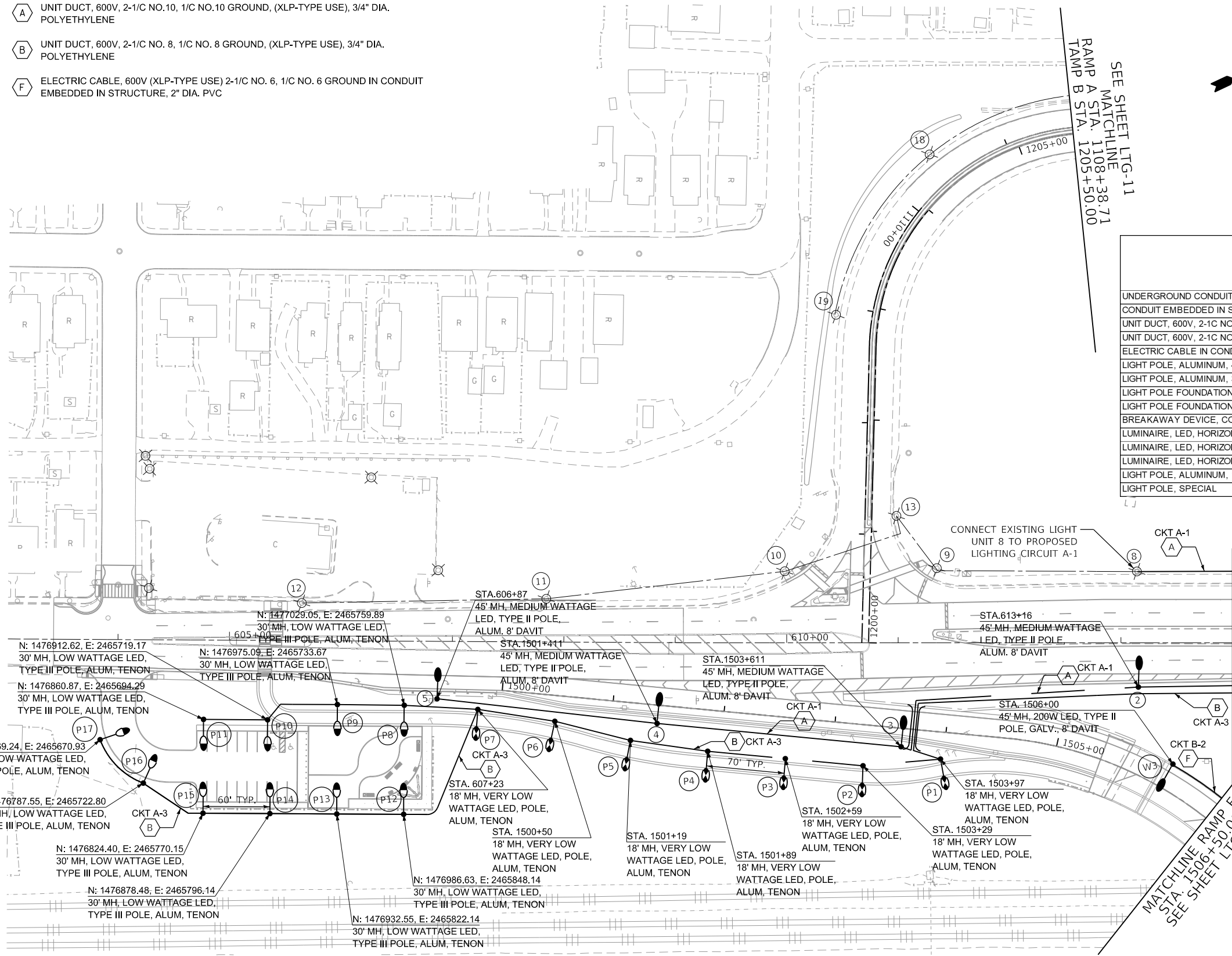
CABLE/CONDUIT SCHEDULE

- A** UNIT DUCT, 600V, 2-1/C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- B** UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- F** ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 6, 1/C NO. 6 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC

SEE SHEET LTG-11
 MATCHLINE
 RAMP A STA. 1108+38.71
 RAMP B STA. 1205+50.00



DESCRIPTION	UNITS	QUANTITY
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	34
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	118
UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,455
UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	846
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	161
LIGHT POLE, ALUMINUM, 45 FT. M.H., 8 FT. DAVIT ARM	EACH	4
LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT	EACH	10
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	85
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	26
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	10
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	5
LUMINAIRE, LED, HORIZONTAL MOUNT, VERY LOW WATTAGE	EACH	7
LIGHT POLE, ALUMINUM, 18 FT. M.H., TENON MOUNT (SPECIAL)	EACH	7
LIGHT POLE, SPECIAL	EACH	1



FINAL SUBMITTAL

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TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = SFicker	DESIGNED - SF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PROPOSED LIGHTING PLAN			F.A.P. RTE. 317	SECTION [15B;((102-1),(14HB))BR]BR	COUNTY PEO/TAZ	TOTAL SHEETS 1361	SHEET NO. 623			
	PLOT SCALE = 100.00' / in.	CHECKED -	REVISED -					SCALE: 1"=50'	SHEET 3	OF 7 SHEETS	STA. 603+00.00	TO STA. 614+00.00	CONTRACT NO. 68B46		
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -					ILLINOIS FED. AID PROJECT NHPY-RP3(905)							

LTG-11

CABLE/CONDUIT SCHEDULE

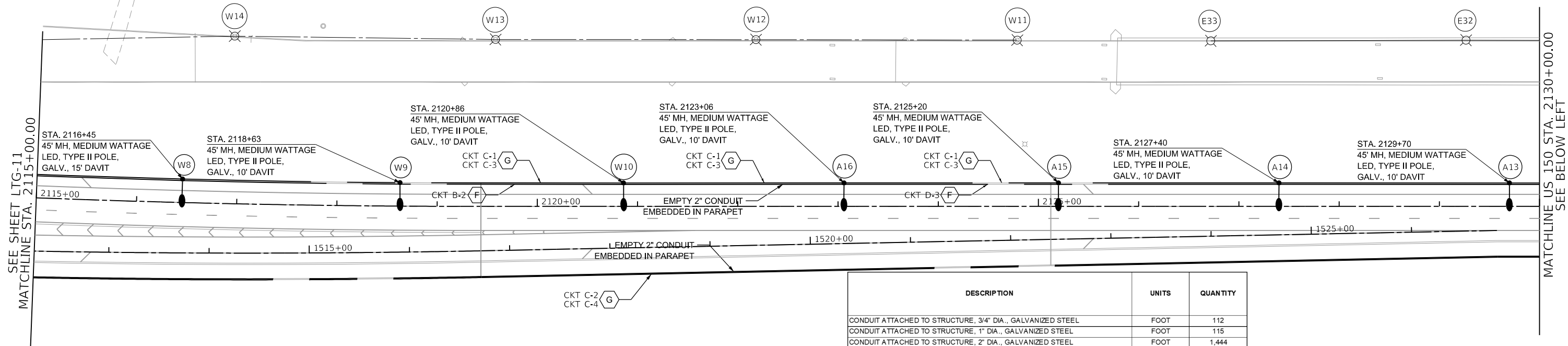
E ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC

F ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 6, 1/C NO. 6 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC

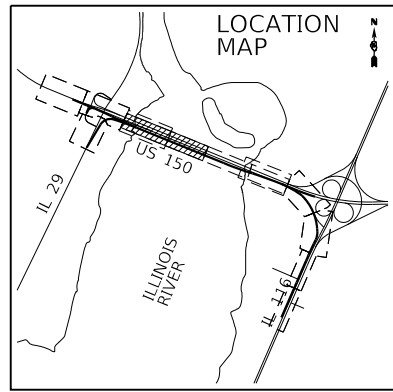
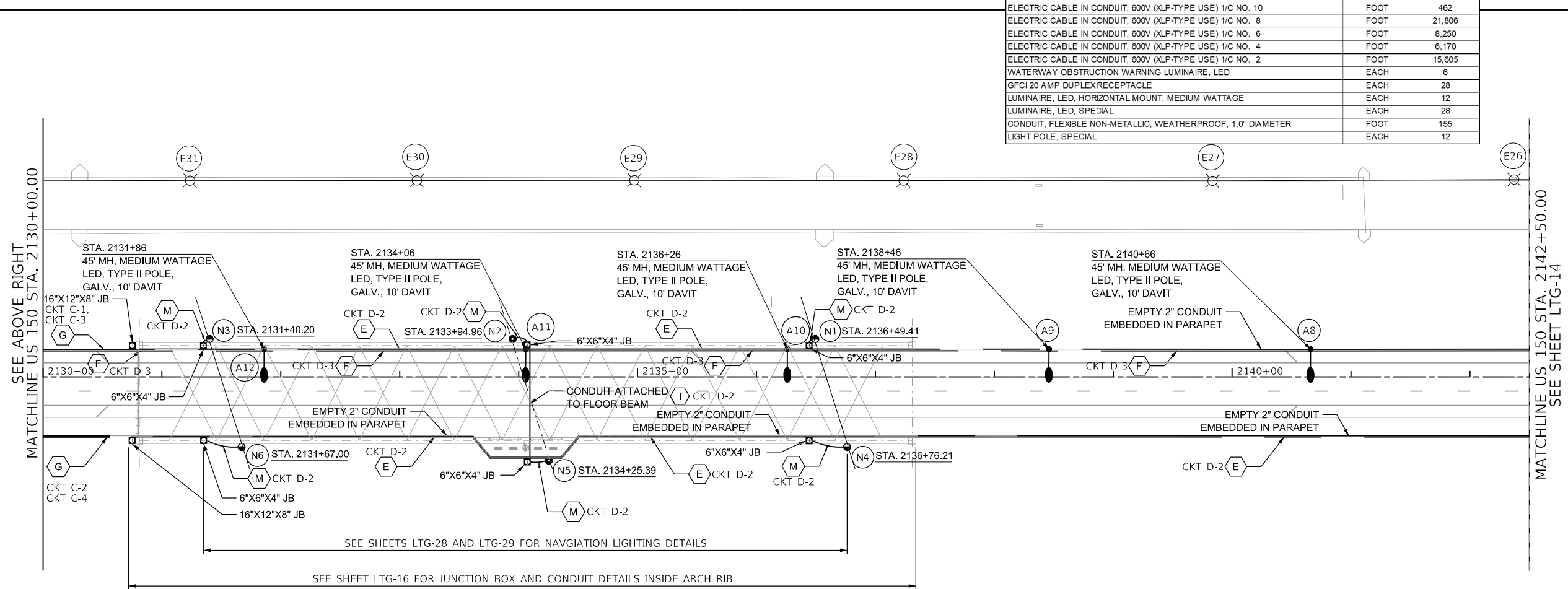
G ELECTRIC CABLE, 600V (XLP-TYPE USE) 3-1/C NO. 2, 1-1/C NO. 4 GROUND, AND 3-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC

M ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT, FLEXIBLE, LIQUID TIGHT, NON-METALLIC, 1" DIA.

I ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 1" DIA. GALV STEEL



DESCRIPTION	UNITS	QUANTITY
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL	FOOT	112
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	115
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	1,444
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	11,066
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	8
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 4"	EACH	28
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	462
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	21,806
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	8,250
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	6,170
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	15,605
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED	EACH	6
GFCI 20 AMP DUPLEX RECEPTACLE	EACH	28
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	12
LUMINAIRE, LED, SPECIAL	EACH	28
CONDUIT, FLEXIBLE NON-METALLIC, WEATHERPROOF, 1.0" DIAMETER	FOOT	155
LIGHT POLE, SPECIAL	EACH	12



FINAL SUBMITTAL

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TYLIN INTERNATIONAL
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LIGHTING PLAN
SCALE: 1"=50' SHEET 4 OF 7 SHEETS STA. 2115+00.00 TO STA. 5142+50.00

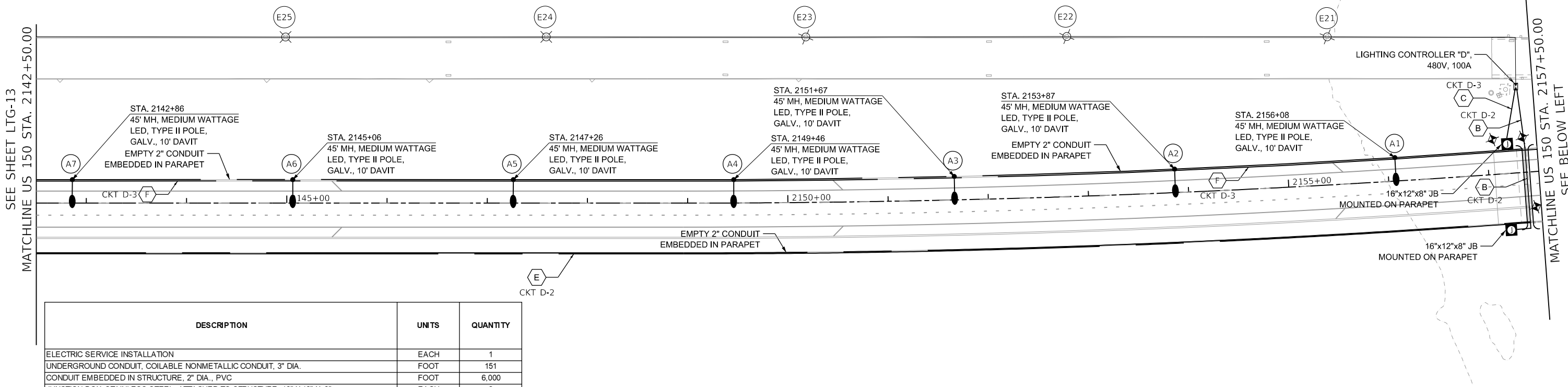
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))]BR BR	TAZEWELL	1361	624
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPY-RP3(905)				

LTG-12

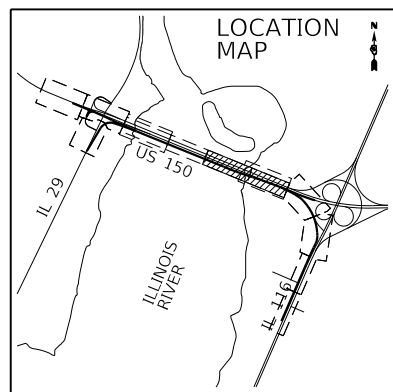
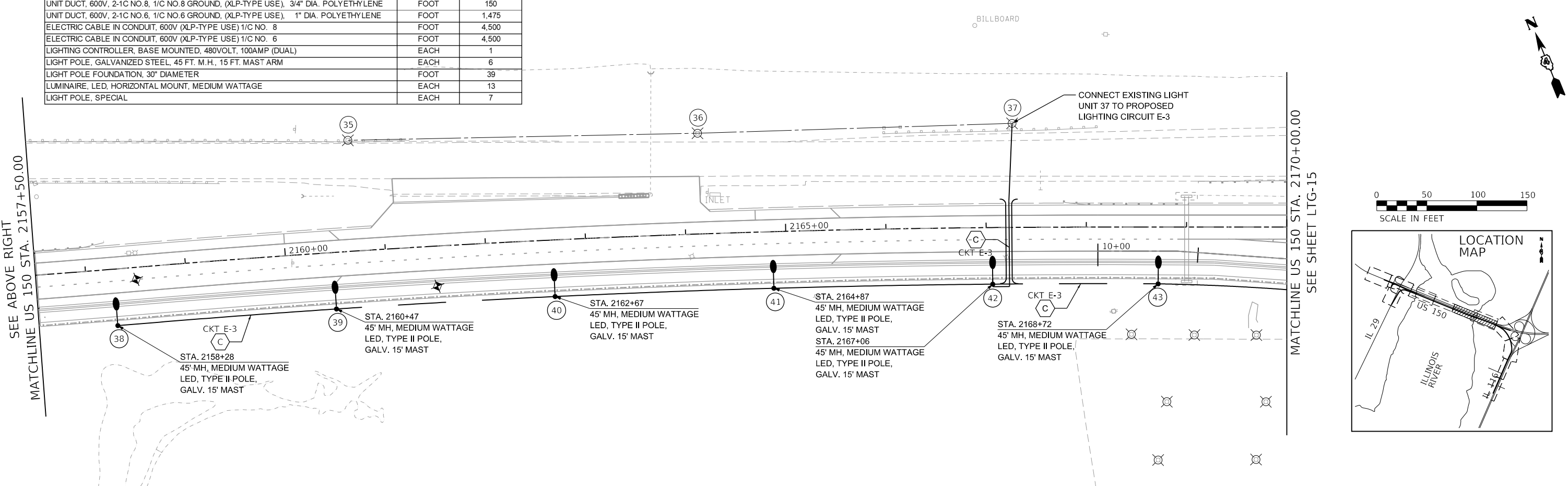
CABLE/CONDUIT SCHEDULE

- B** UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- C** UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

- E** ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- F** ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 6, 1/C NO. 6 GROUND IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC



DESCRIPTION	UNITS	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	151
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	6,000
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	2
UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	150
UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,475
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	4,500
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	4,500
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP (DUAL)	EACH	1
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	EACH	6
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	39
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	13
LIGHT POLE, SPECIAL	EACH	7



FINAL SUBMITTAL

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

USER NAME = SFicker
 DESIGNED - SF
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 PLOT SCALE = 100.00' / in.
 CHECKED -
 DATE - 11/28/2018
 PLOT DATE = 11/28/2018

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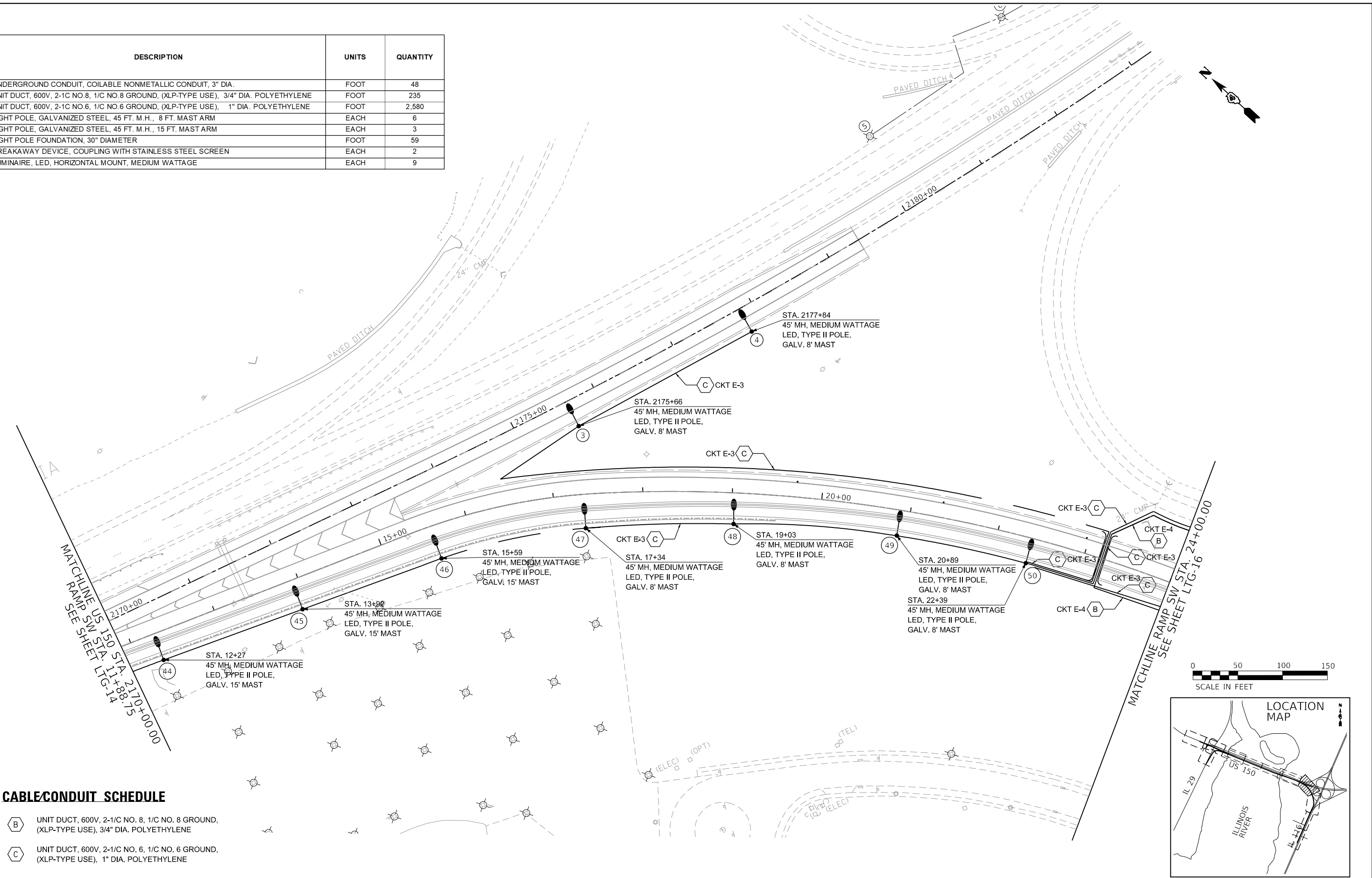
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 PROPOSED LIGHTING PLAN
 SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 2142+50.00 TO STA. 2170+00.00

F.A.P. RTE. 317 SECTION [15B;((102-1),(14HB))BR]BR COUNTY TAZEWELL TOTAL SHEETS 1361 SHEET NO. 625 CONTRACT NO. 68B46 ILLINOIS FED. AID PROJECT NHPP-YRP3(905)

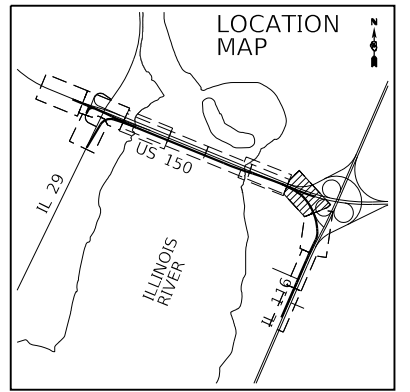
LTG-13

DESCRIPTION	UNITS	QUANTITY
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	48
UNIT DUCT, 600V, 2-1/2 NO.8, 1/2 NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	235
UNIT DUCT, 600V, 2-1/2 NO.6, 1/2 NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,580
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 8 FT. MAST ARM	EACH	6
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	EACH	3
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	59
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	2
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	9



CABLE/CONDUIT SCHEDULE

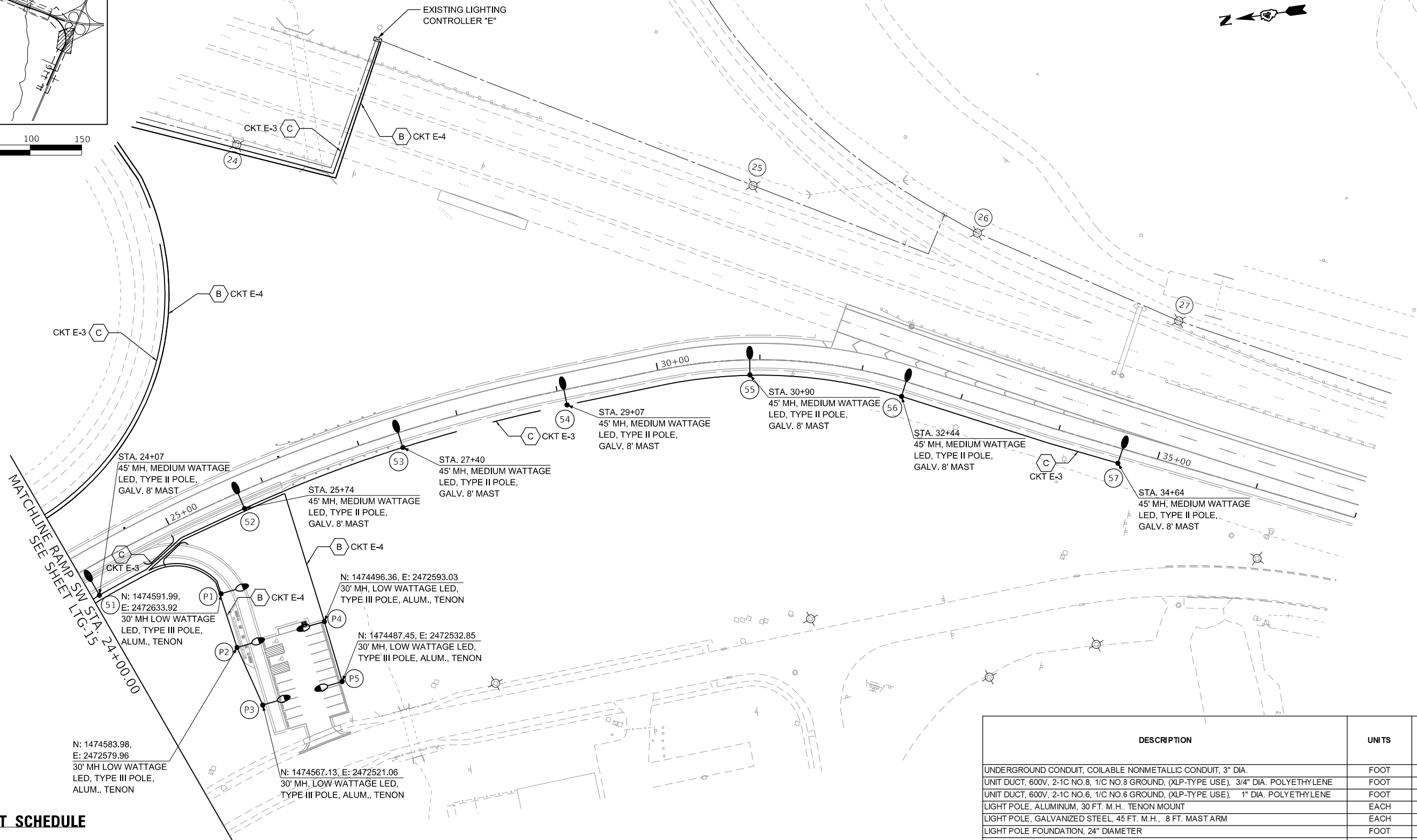
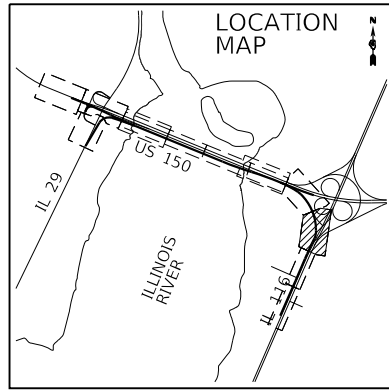
- B** UNIT DUCT, 600V, 2-1/2 NO. 8, 1/2 NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- C** UNIT DUCT, 600V, 2-1/2 NO. 6, 1/2 NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE



FINAL SUBMITTAL

MODEL: Default
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TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = SFicker	DESIGNED - SF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT PROPOSED LIGHTING PLAN			F.A.P. RTE. 317	SECTION [15B;((102-1),(14HB))BR]BR	COUNTY TAZEWELL	TOTAL SHEETS 1361	SHEET NO. 626
	PLOT SCALE = 100.00' / in.	CHECKED -	REVISED -					SCALE: 1"=50'	SHEET 6	OF 7 SHEETS	STA. 2170+00.00 TO STA. 2179+00.00	ILLINOIS FED. AID PROJECT NHPP-YRP3(905)
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -									LTG-14 CONTRACT NO. 68B46



CABLE/CONDUIT SCHEDULE

- (B)** UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- (C)** UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

DESCRIPTION	UNITS	QUANTITY
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	23
UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,510
UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,875
LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT	EACH	5
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 8 FT. MAST ARM	EACH	7
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	25
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	46
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	5
CIRCUIT BREAKER IN STREET LIGHT CONTROLLER	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	5
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	7

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USER NAME = SFicker
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 CHECKED -
 DATE - 11/28/2018

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 PROPOSED LIGHTING PLAN

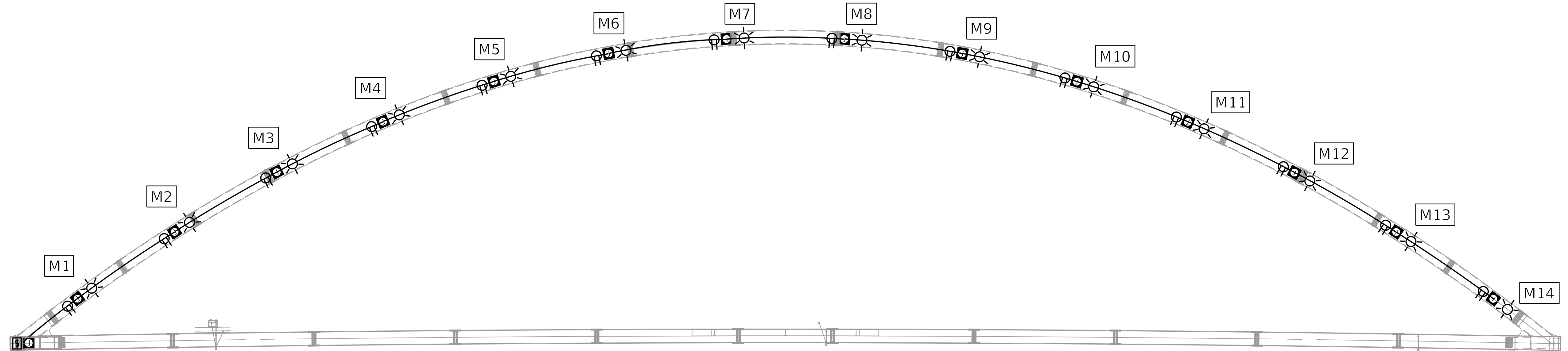
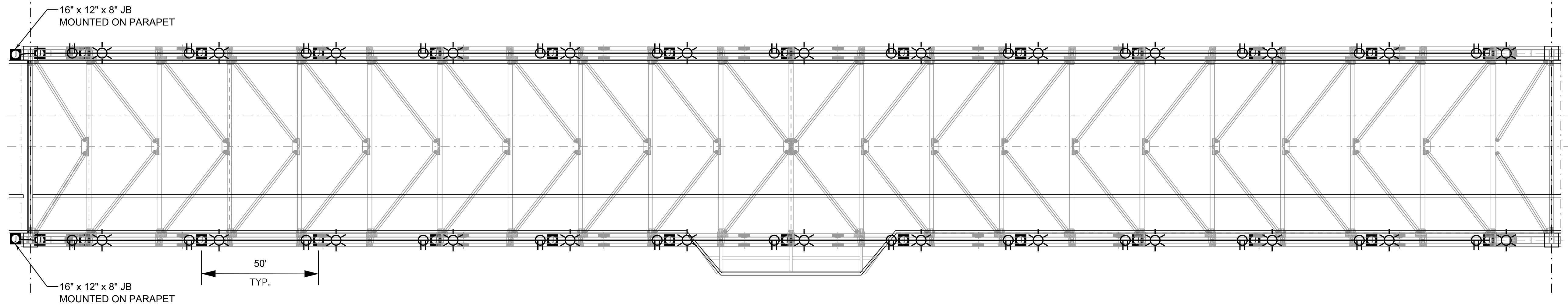
SCALE: 1"=50' SHEET 7 OF 7 SHEETS STA. 24+00.00 TO STA. 27+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))]BR BR	TAZEWELL	1361	627
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

LTG-15

FINAL SUBMITTAL

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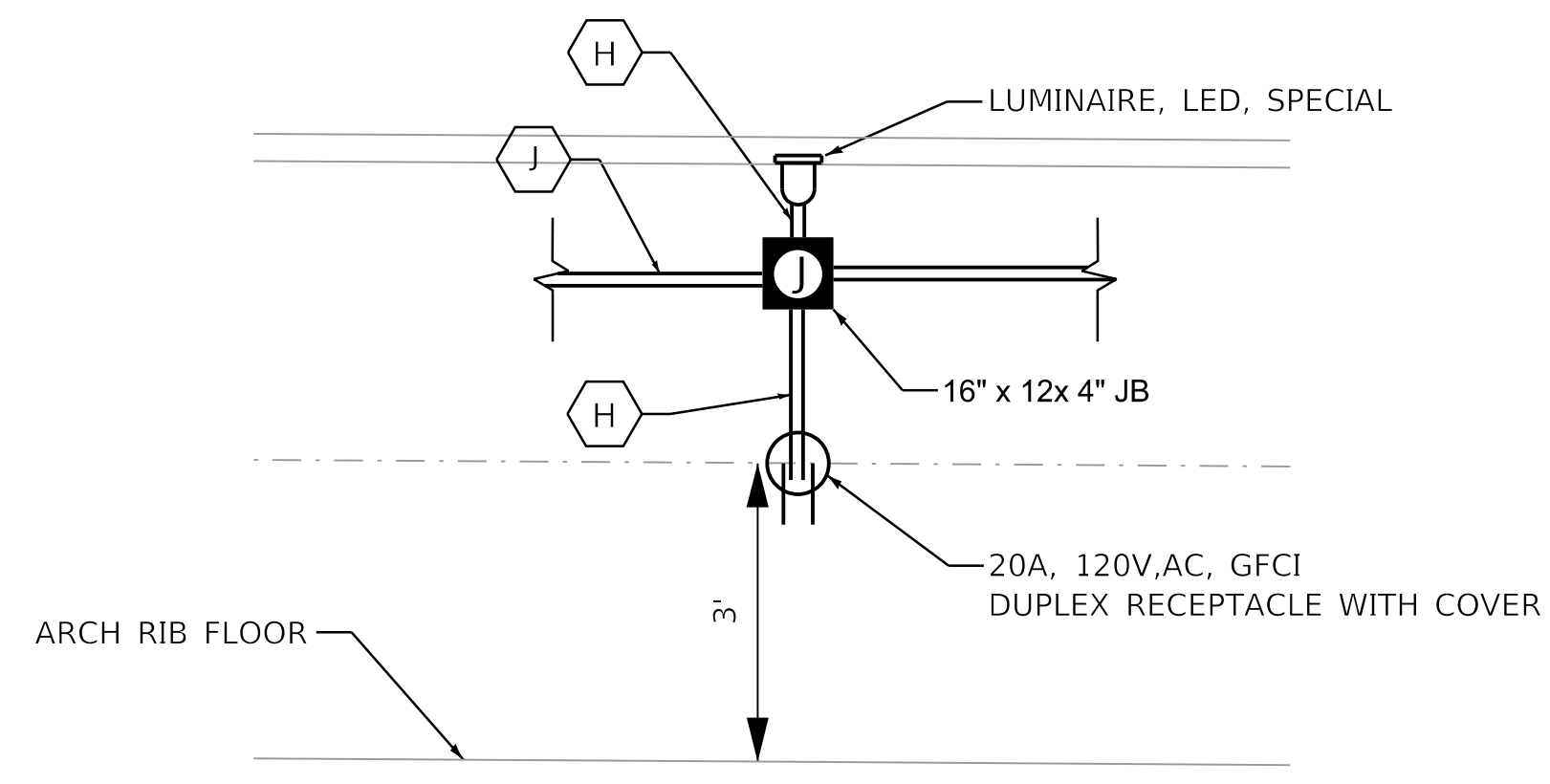


LEGEND:

- Ⓜ LIGHT SWITCH INTERIOR TO ARCH RIB NEAR ACCESS HATCH
- Ⓢ 20A, 120VAC, GFCI DUPLEX RECEPTACLE
- Ⓟ JUNCTION BOX, SS, SIZE PER NEC BUT SHALL NOT BE SMALLER THAN AS NOTED
- ☀️ LUMINAIRE, LED, SPECIAL

CABLE/CONDUIT SCHEDULE

- Ⓜ ELECTRICAL CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 10, 1/C NO. 10 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA. GALV STEEL
- Ⓟ ELECTRICAL CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 2, 1/C NO. 4 GROUND, AND 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 1-1/2" DIA. GALV STEEL



TYPICAL MAINTENANCE LIGHT AND RECEPTACLE DETAIL

FINAL SUBMITTAL

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

USER NAME = SFicker
PLOT SCALE = 25.00" / in.
PLOT DATE = 11/28/2018

DESIGNED - SF
DRAWN - SF
CHECKED -
DATE - 11/28/2018

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MAINTENANCE LIGHTING PLAN AND DETAILS

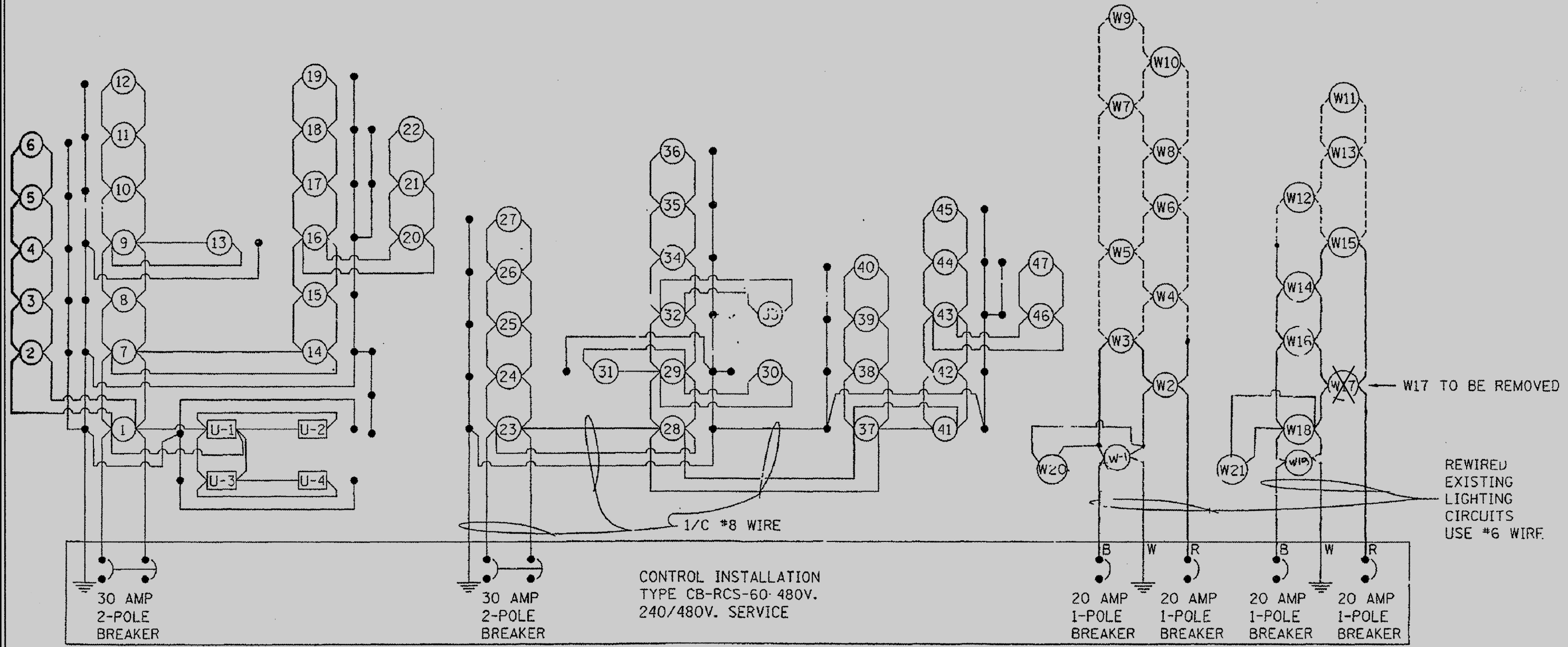
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}]BR	TAZEWELL		
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT			NHPP-YRP3(905)	

LTG-16

1/61

NOTE: EXISTING WIRE INDICATED BY DASHED LINES.
NEW WIRING INDICATED WITH SOLID LINES.



ALL UNDERGROUND CIRCUITS SHALL BE #10 WIRE UNLESS OTHERWISE NOTED.

PROVIDED FOR INFORMATION ONLY

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND MCCLUGAGE BRIDGE PROJECT
EXISTING LIGHTING CONTROLLER CIRCUIT DIAGRAMS

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

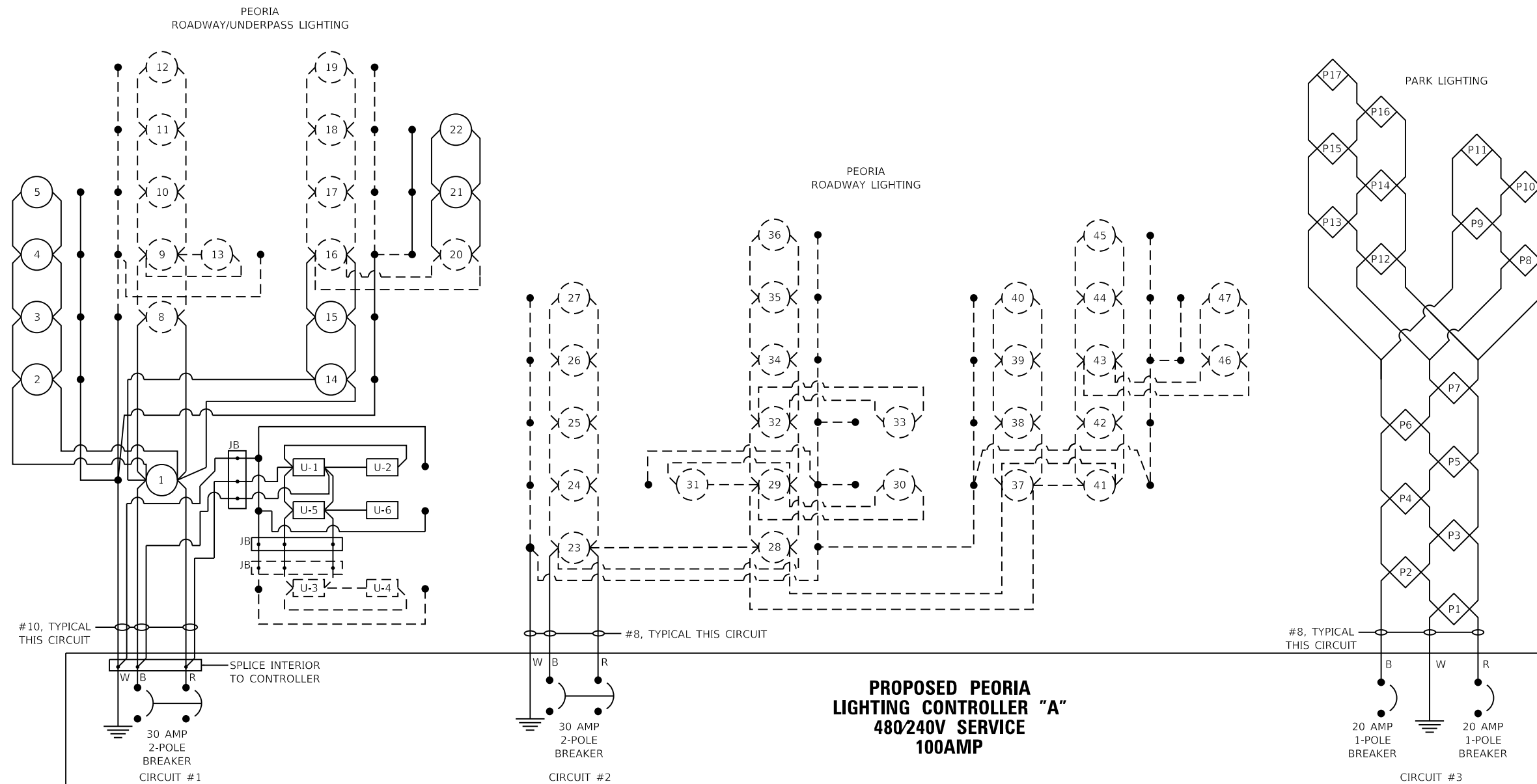
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317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	629
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPP-YRP3(905)				

LTG-17

LOAD TABLE			
LIGHTING CONTROLLER "A"			
480/240V, 100AMP			
CIRCUIT	BREAKER	RED AMPS	BLACK AMPS
1	30-2P	9.2	9.2
2	30-2P	10.4	10.4
3	20-1P	6.5	
	20-1P		6.5
	TOTAL:	26.0 AMPS	
		@480V	

LEGEND:

- EXISTING CIRCUIT WIRING
- PROPOSED CIRCUIT WIRING
- (#) EXISTING OR SALVAGED ROADWAY LUMINAIRE
- (#) PROPOSED ROADWAY LUMINAIRE
- (#) PROPOSED PARK LUMINAIRE
- (#) PROPOSED MAINTENANCE LUMINAIRE
- PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, GREEN CHANNEL CENTER
- ◐ PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, RED CHANNEL MARGIN
- ⊞ PROPOSED GFCI 20AMP DUPLEX RECEPTACLE
- [U-3] EXISTING UNDERPASS LUMINAIRE
- [U-1] PROPOSED UNDERPASS LUMINAIRE



US 150 and IL 29 INTERCHANGE PROPOSED WIRING DIAGRAM (PEORIA)

NOTE:
EXISTING CIRCUITING TO REMAIN IS BASED ON AS-BUILT INFORMATION. SEE EXISTING WIRING DIAGRAM ON SHEET LTG-17 FOR REFERENCE.

FINAL SUBMITTAL

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LIGHTING CONTROLLER CIRCUIT DIAGRAMS

SCALE: NONE SHEET 1 OF 5 SHEETS STA. N/A TO STA. N/A

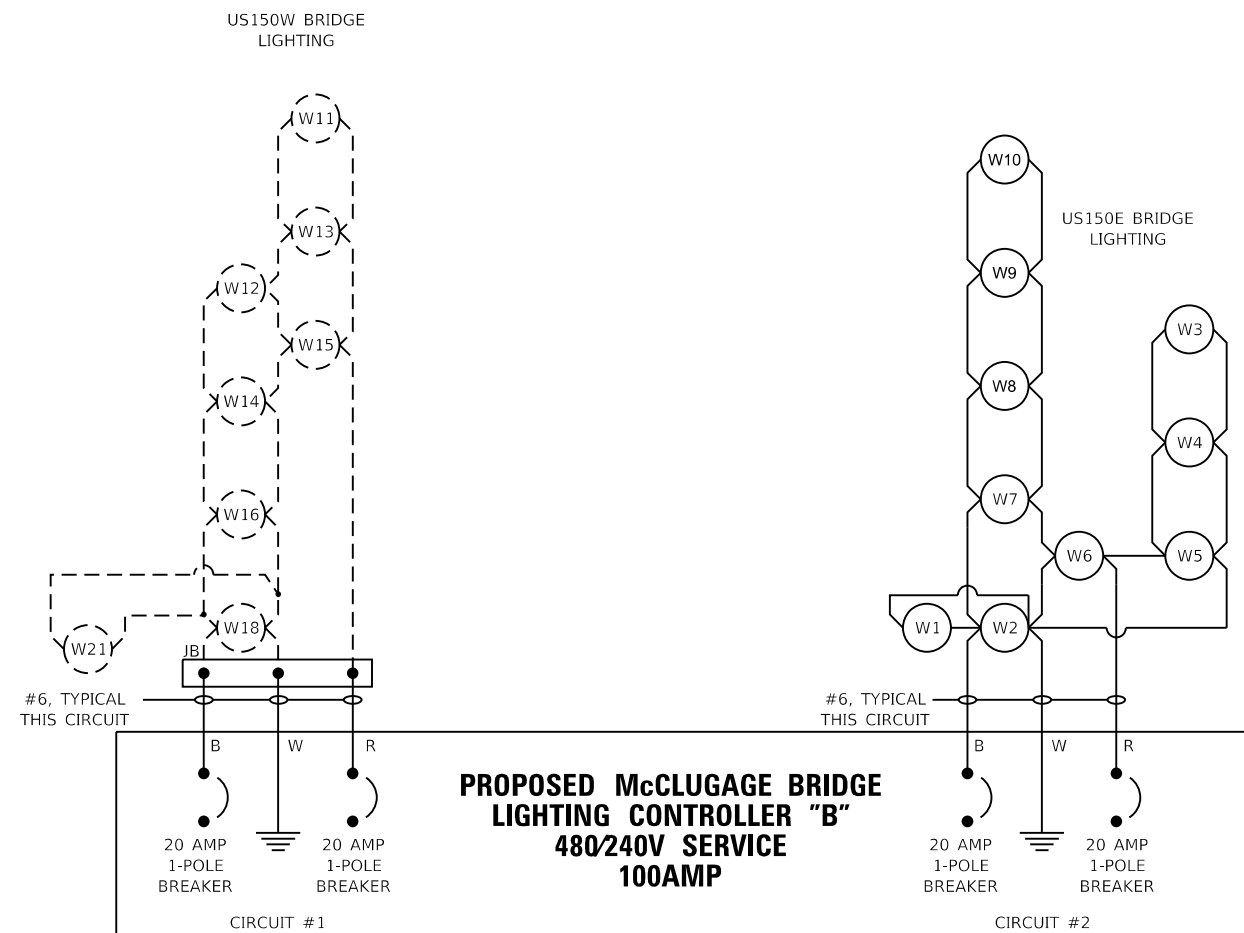
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	630
CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

LTG-18

LOAD TABLE			
LIGHTING CONTROLLER "B"			
480/240V, 100AMP			
CIRCUIT	BREAKER	RED AMPS	BLACK AMPS
1	20-1P	4.2	
	20-1P		2.5
2	20-1P	3.3	
	20-1P		5.0
TOTAL:		7.5 AMPS @480V	

LEGEND:

- EXISTING CIRCUIT WIRING
- PROPOSED CIRCUIT WIRING
- (#) EXISTING OR SALVAGED ROADWAY LUMINAIRE
- # PROPOSED ROADWAY LUMINAIRE
- ◇ PROPOSED PARK LUMINAIRE
- # PROPOSED MAINTENANCE LUMINAIRE
- PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, GREEN CHANNEL CENTER
- ◐ PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, RED CHANNEL MARGIN
- ◑ PROPOSED GFCI 20AMP DUPLEX RECEPTACLE
- [U-3] EXISTING UNDERPASS LUMINAIRE
- [U-1] PROPOSED UNDERPASS LUMINAIRE



WEST McCLUGAGE BRIDGE PROPOSED WIRING DIAGRAM

NOTE:
EXISTING CIRCUITING TO REMAIN IS BASED ON AS-BUILT INFORMATION. SEE EXISTING WIRING DIAGRAM ON SHEET LTG-18 FOR REFERENCE.

FINAL SUBMITTAL

MODEL: Default
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TEL: 312-777-2900

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	DRAWN - SF	REVISED -
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PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LIGHTING CONTROLLER CIRCUIT DIAGRAMS

SCALE: NONE SHEET 2 OF 5 SHEETS STA. N/A TO STA. N/A

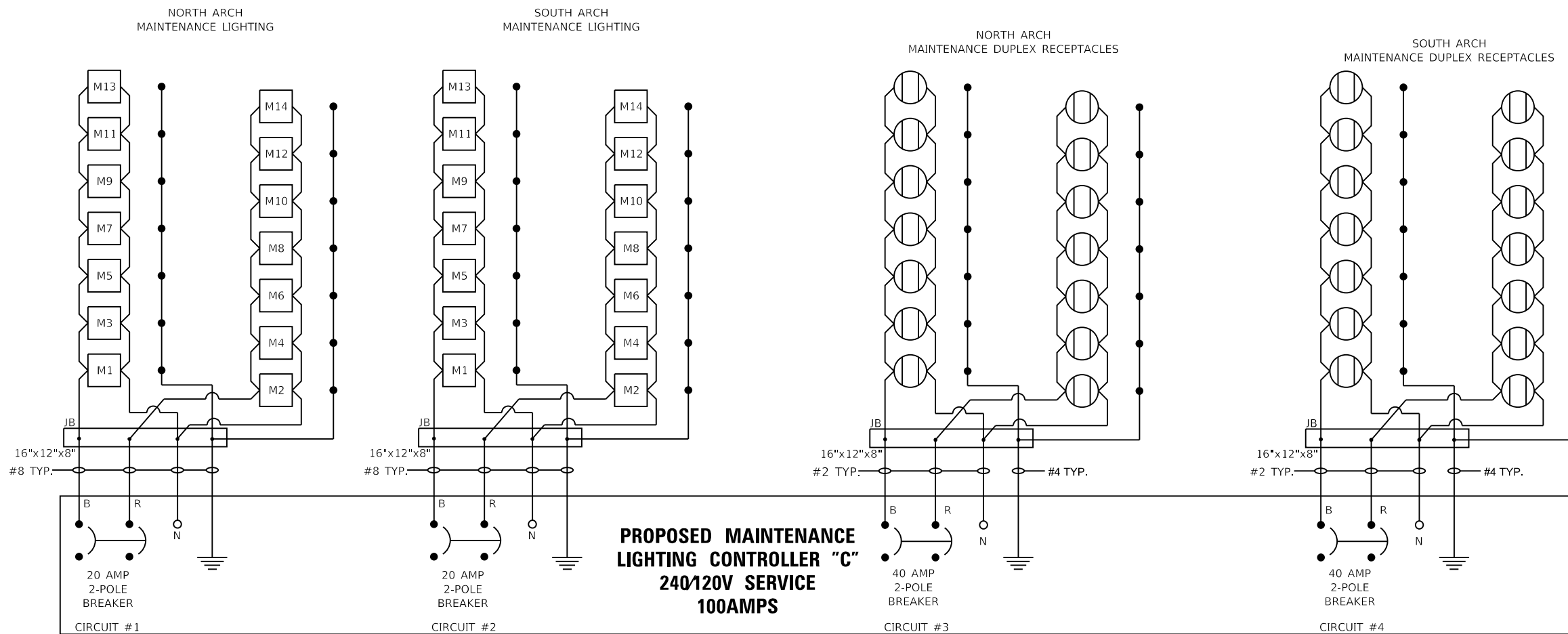
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	631
CONTRACT NO. 68B46				
ILLINOIS		FED. AID PROJECT	NHPP-YRP3(905)	

LTG-19

LOAD TABLE			
LIGHTING CONTROLLER "C"			
240/120V, 100AMP			
CIRCUIT	BREAKER	RED AMPS	BLACK AMPS
1	20-1P	1.8	
2	20-1P		1.8
3	40-2P	10.5	
4	40-2P	10.5	10.5
	TOTAL:	22.8 AMPS	
		@240V	

LEGEND:

- EXISTING CIRCUIT WIRING
- PROPOSED CIRCUIT WIRING
- (#) EXISTING OR SALVAGED ROADWAY LUMINAIRE
- (#) PROPOSED ROADWAY LUMINAIRE
- (#) PROPOSED PARK LUMINAIRE
- (#) PROPOSED MAINTENANCE LUMINAIRE
- PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, GREEN CHANNEL CENTER
- ◐ PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, RED CHANNEL MARGIN
- ◑ PROPOSED GFCI 20AMP DUPLEX RECEPTACLE
- [U-3] EXISTING UNDERPASS LUMINAIRE
- [U-1] PROPOSED UNDERPASS LUMINAIRE



McCLUGAGE BRIDGE MAINTENANCE LIGHTING AND DUPLEX RECEPTACLES

FINAL SUBMITTAL

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CHICAGO, IL 60606
TEL: 312-777-2900

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LIGHTING CONTROLLER CIRCUIT DIAGRAMS

SCALE: NONE SHEET 31 OF 2 SHEETS STA. N/A TO STA. N/A

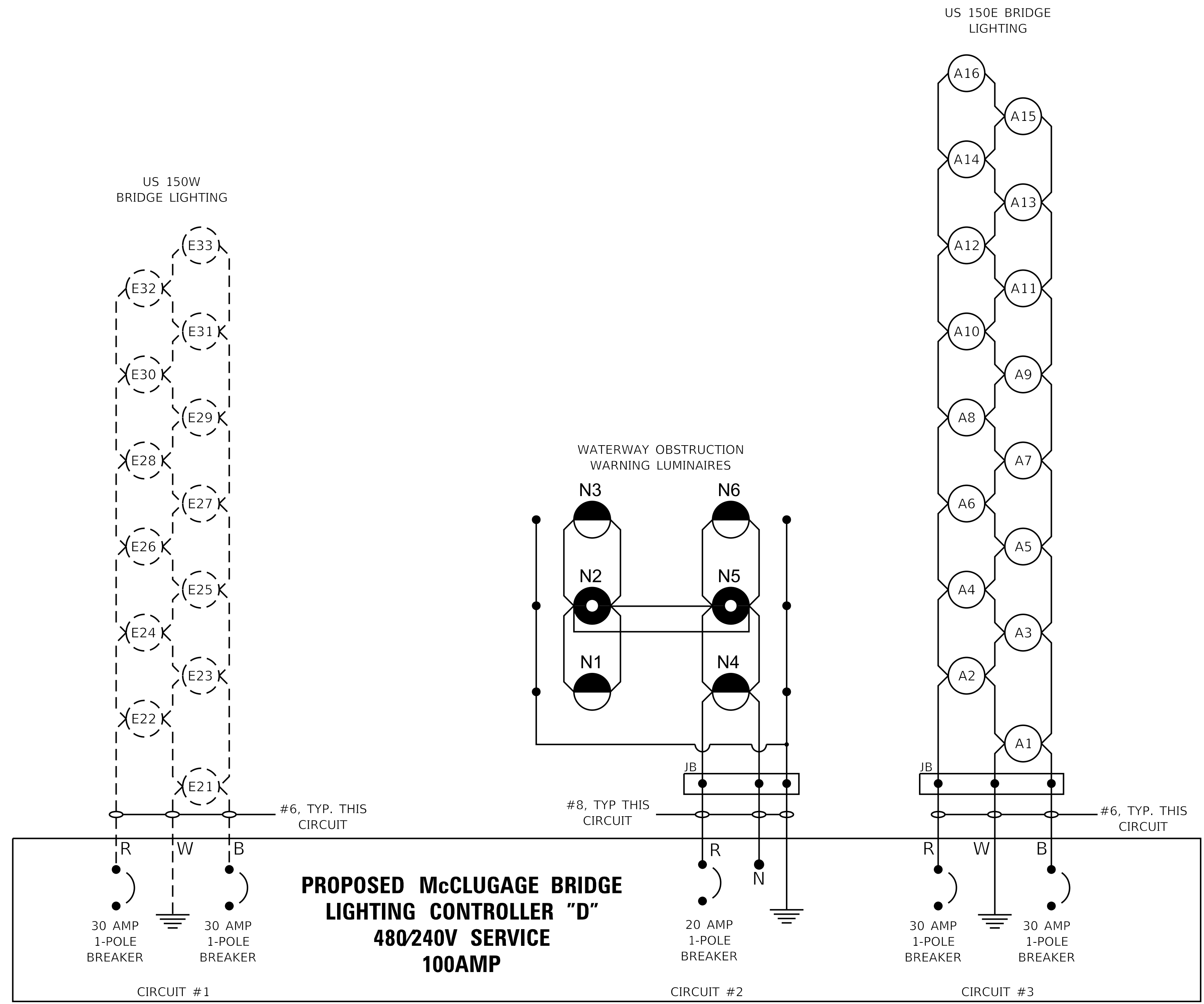
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}]BR]BR	PEORIA	1361	632
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

LTG-20

LEGEND:

- EXISTING CIRCUIT WIRING
- PROPOSED CIRCUIT WIRING
- (#) EXISTING OR SALVAGED ROADWAY LUMINAIRE
- (#) PROPOSED ROADWAY LUMINAIRE
- (#) PROPOSED PARK LUMINAIRE
- (#) PROPOSED MAINTENANCE LUMINAIRE
- (●) PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, GREEN CHANNEL CENTER
- (◐) PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, RED CHANNEL MARGIN
- (◑) PROPOSED GFCI 20AMP DUPLEX RECEPTACLE
- [U-3] EXISTING UNDERPASS LUMINAIRE
- [U-1] PROPOSED UNDERPASS LUMINAIRE

LOAD TABLE			
LIGHTING CONTROLLER "D"			
480/240V, 100AMP			
CIRCUIT	BREAKER	RED AMPS	BLACK AMPS
1	30-1P	5.8	
	30-1P		5.0
2	20-1P	0.6	
	30-1P		6.7
3	30-1P	6.7	
	30-1P		
TOTAL:		12.4 AMPS @480V	



EAST McClUGAGE BRIDGE PROPOSED WIRING DIAGRAM (TAZEWell)

NOTE:
EXISTING CIRCUITING TO REMAIN IS BASED ON AS-BUILT INFORMATION.

FINAL SUBMITTAL

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

USER NAME = SFicker
PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 11/28/2018

DESIGNED - SF
DRAWN - SF
CHECKED -
DATE - 11/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McClUGAGE BRIDGE PROJECT
PROPOSED LIGHTING CONTROLLER CIRCUIT DIAGRAMS

SCALE: NONE SHEET 4 OF 5 SHEETS STA. N/A TO STA. N/A

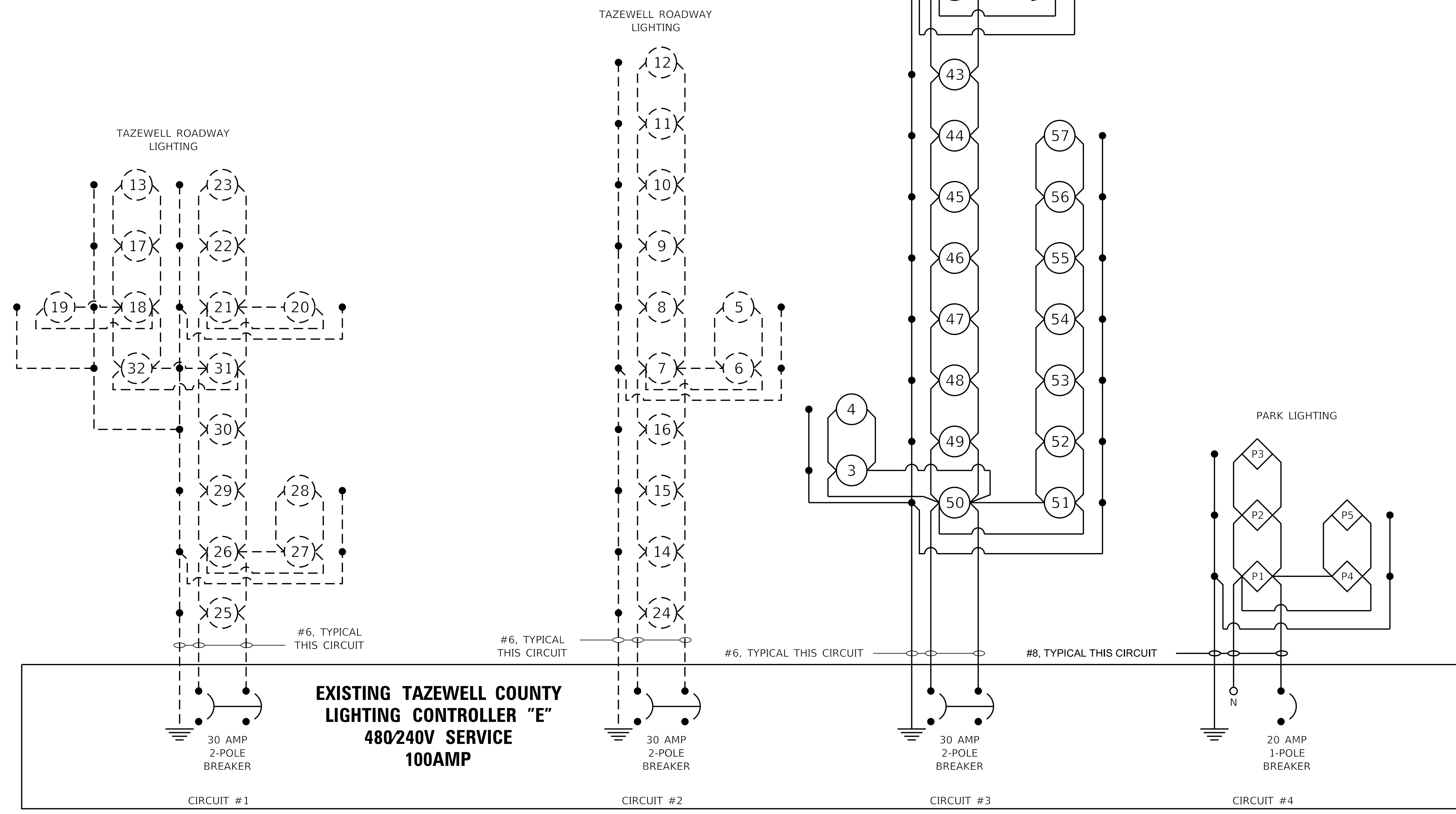
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}]BR]BR	TAEWELL		
CONTRACT NO. 68B46				

LTG-21

LOAD TABLE			
LIGHTING CONTROLLER "E"			
480/240V, 100AMP			
CIRCUIT	BREAKER	RED AMPS	BLACK AMPS
1	30-2P	8.1	
2	30-2P	6.1	6
3	30-2P	10	10
4	20-1P	2.5	
TOTAL:		25.8 AMPS @480V	

LEGEND:

- EXISTING CIRCUIT WIRING
- PROPOSED CIRCUIT WIRING
- (#) EXISTING OR SALVAGED ROADWAY LUMINAIRE
- PROPOSED ROADWAY LUMINAIRE
- ◇ PROPOSED PARK LUMINAIRE
- # PROPOSED MAINTENANCE LUMINAIRE
- PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, GREEN CHANNEL CENTER
- ◐ PROPOSED WATERWAY OBSTRUCTION WARNING LUMINAIRE, RED CHANNEL MARGIN
- ▮ PROPOSED GFCI 20AMP DUPLEX RECEPTACLE
- [U-3] EXISTING UNDERPASS LUMINAIRE
- [U-1] PROPOSED UNDERPASS LUMINAIRE



US 150 and IL 116 INTERCHANGE PROPOSED WIRING DIAGRAM (TAZEWELL)

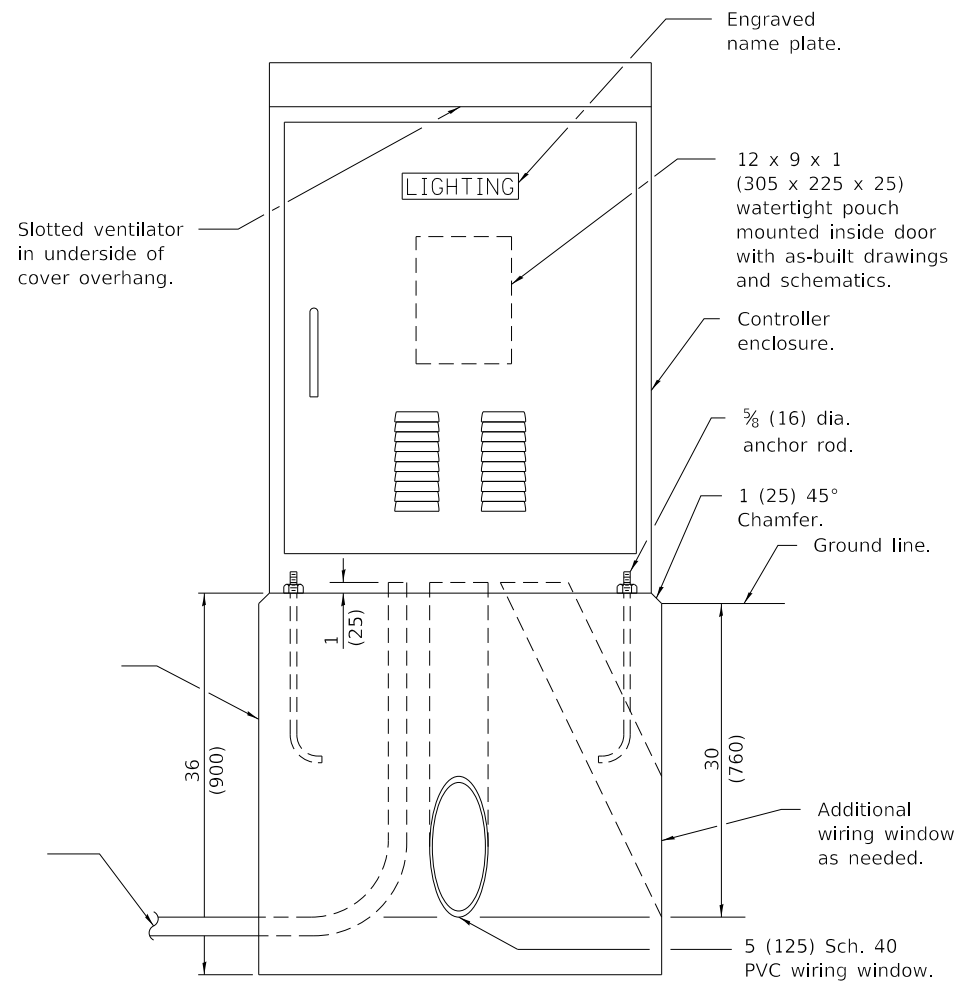
NOTE:
EXISTING CIRCUITING TO REMAIN IS BASED ON AS-BUILT INFORMATION.

FINAL SUBMITTAL

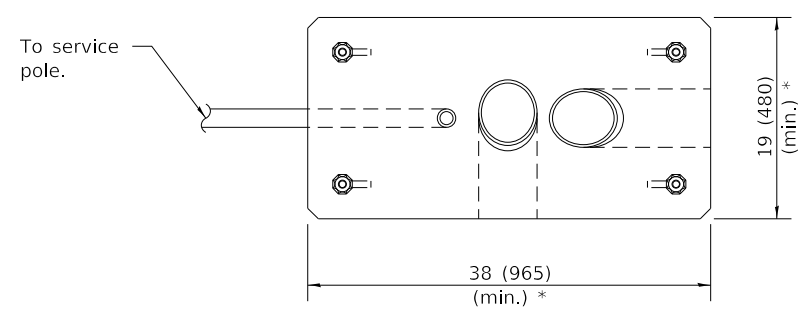
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TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = SFicker	DESIGNED - SF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT		F.A.P. RTE. 317	SECTION [15B;{(102-1),(14HB)}BR]BR	COUNTY TAZEWELL	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.00' / in.	CHECKED -	REVISED -		PROPOSED LIGHTING CONTROLLER CIRCUIT DIAGRAMS		CONTRACT NO. 68B46	ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)	1361
PLOT DATE = 11/28/2018	DATE = 11/28/2018	REVISED -		SCALE: NONE	SHEET 5	OF 5 SHEETS	STA. N/A	TO STA. N/A			

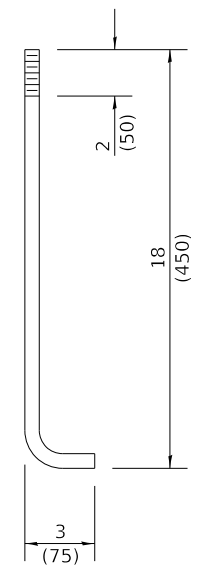
LTG-22



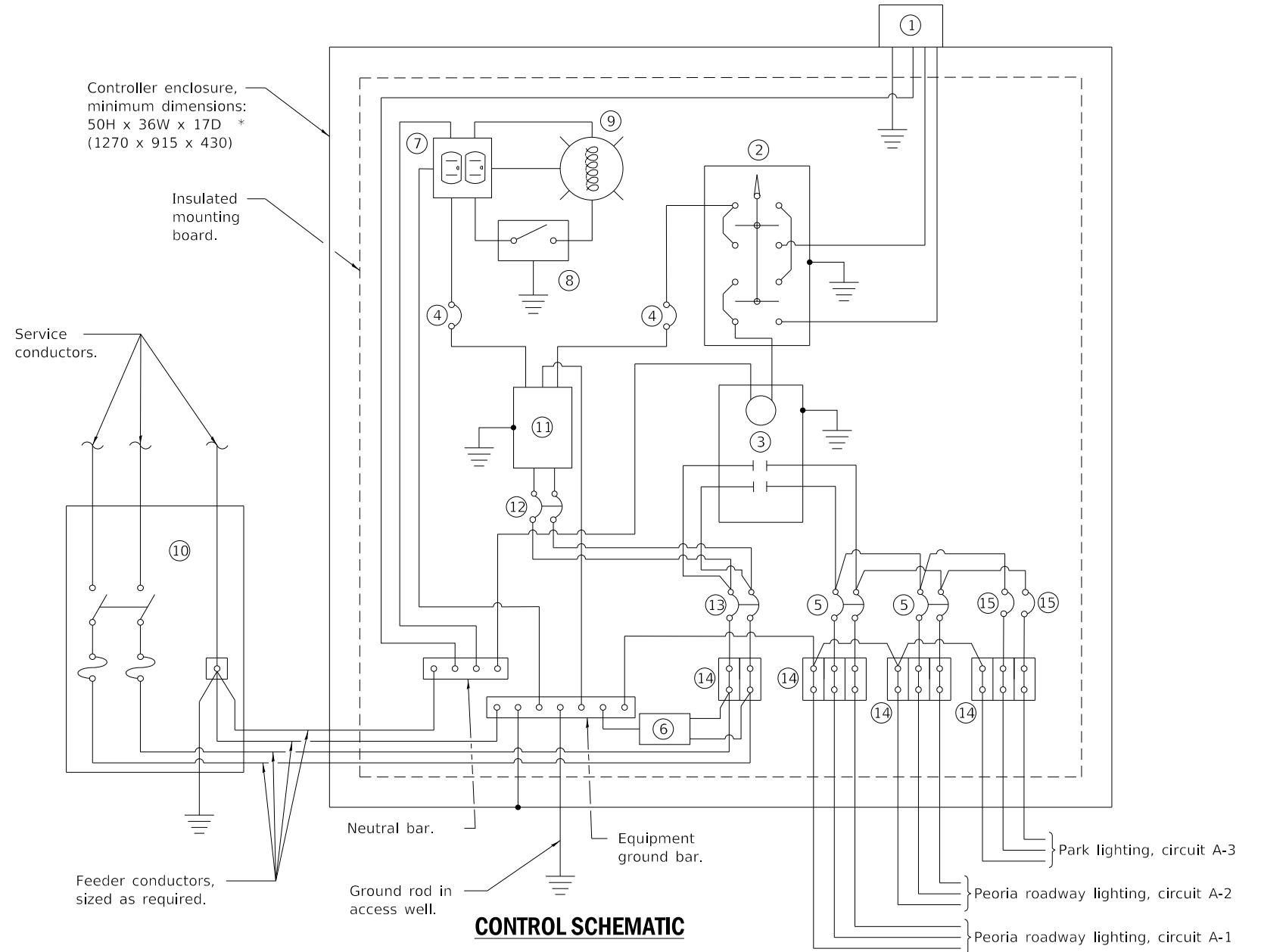
LIGHTING CONTROLLER



FOUNDATION (PLAN)
(Work pad not shown.)



**ANCHOR ROD
DETAIL**



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 30 amp, 2-pole circuit breaker (one spare required but not shown).
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.
- ⑫ 15 amp, 2-pole circuit breaker.
- ⑬ 100 amp*, 2-pole circuit breaker.
- ⑭ Terminal block sized for conductors as shown on plans.
- ⑮ 20 amp, 1-pole circuit breaker

* Size larger as needed

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

NOTE:
PROPOSED LIGHTING CONTROLLER "A" BASED ON IL HIGHWAY STANDARD 825026-04 WITH MODIFICATIONS TO TERMINAL BLOCK AND LIGHTING CIRCUITS.

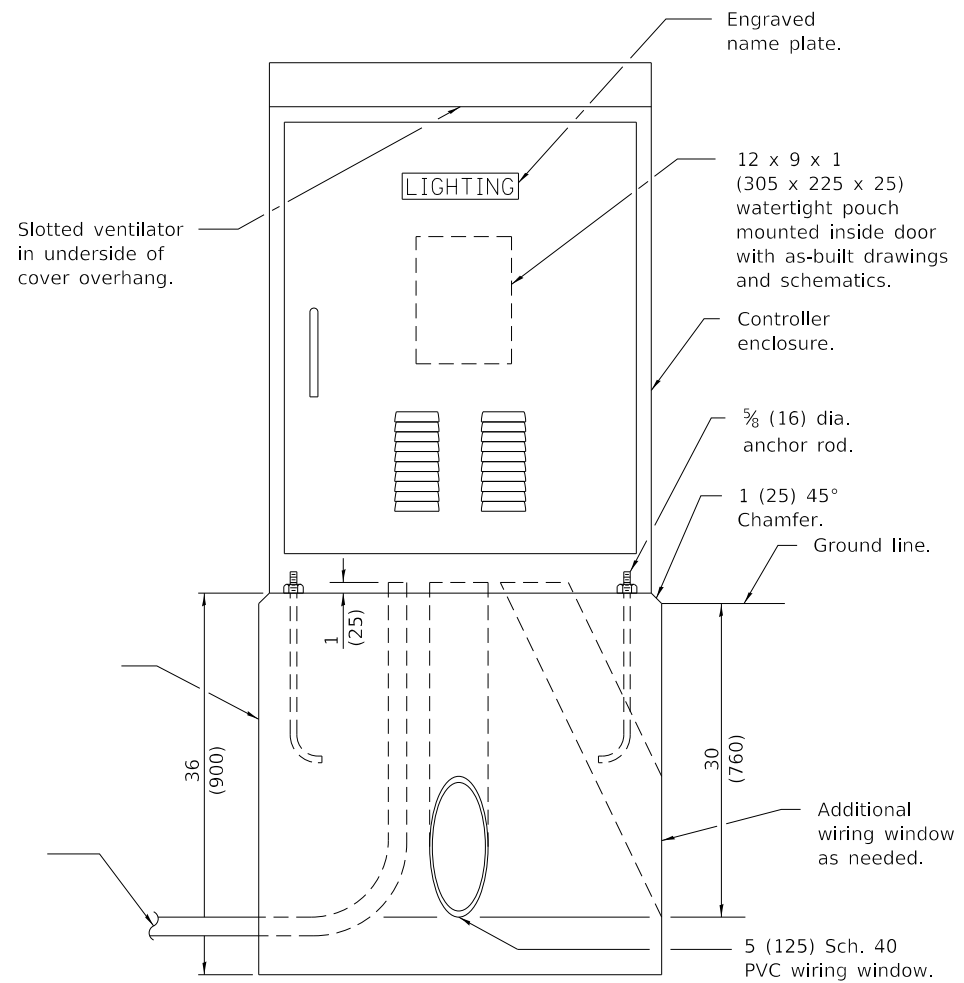
**LIGHTING CONTROLLER "A"
BASE MOUNTED, 480V**

LTG-23

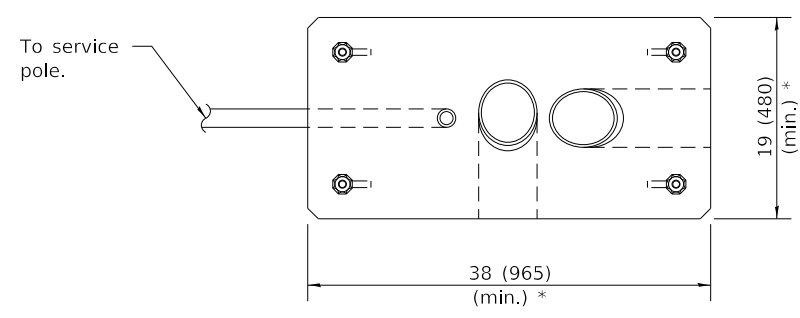
FINAL SUBMITTAL

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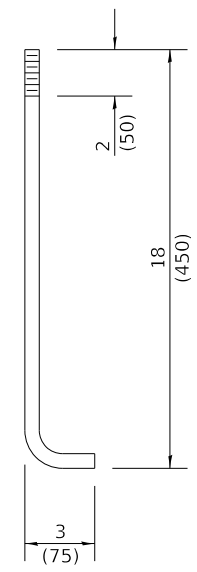
TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = SFicker	DESIGNED - SF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT LIGHTING CONTROLLER DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.00' / in.	CHECKED -	REVISED -			317	[15B;{(102-1),(14HB)}BR]BR	PEORIA	1361	635	
PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -		SCALE: NONE	SHEET 1 OF 5 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 68B46			
								ILLINOIS FED. AID PROJECT NHPP-YRP3(905)			



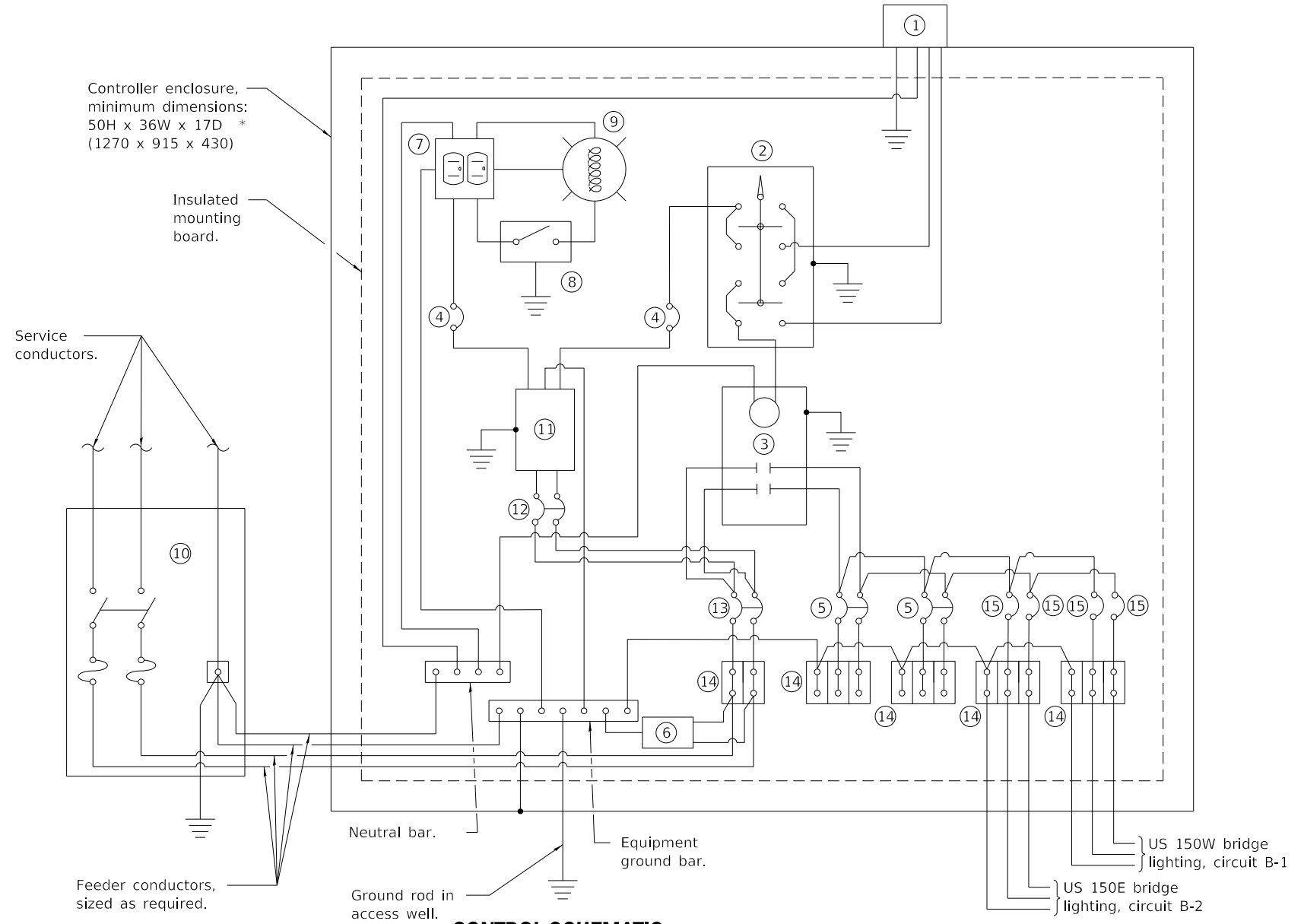
LIGHTING CONTROLLER



FOUNDATION (PLAN)
(Work pad not shown.)



**ANCHOR ROD
DETAIL**



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp, 2-pole circuit breaker spares
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.
- ⑫ 15 amp, 2-pole circuit breaker.
- ⑬ 100 amp*, 2-pole circuit breaker.
- ⑭ Terminal block sized for conductors as shown on plans.
- ⑮ 20 amp, 1-pole circuit breaker

* Size larger as needed

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

NOTE:
PROPOSED LIGHTING CONTROLLER "B" BASED ON IL HIGHWAY STANDARD 825026-04 WITH MODIFICATIONS TO TERMINAL BLOCK AND LIGHTING CIRCUITS.

FINAL SUBMITTAL

MODEL: Default
FILE: \\naulpc\paul\levy\2016\hanson\cdm\hanson_projects\document\13\0813\NO106\phase-ii\CAD\Road\Sheet\Lighting\LTCB-TYLI.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

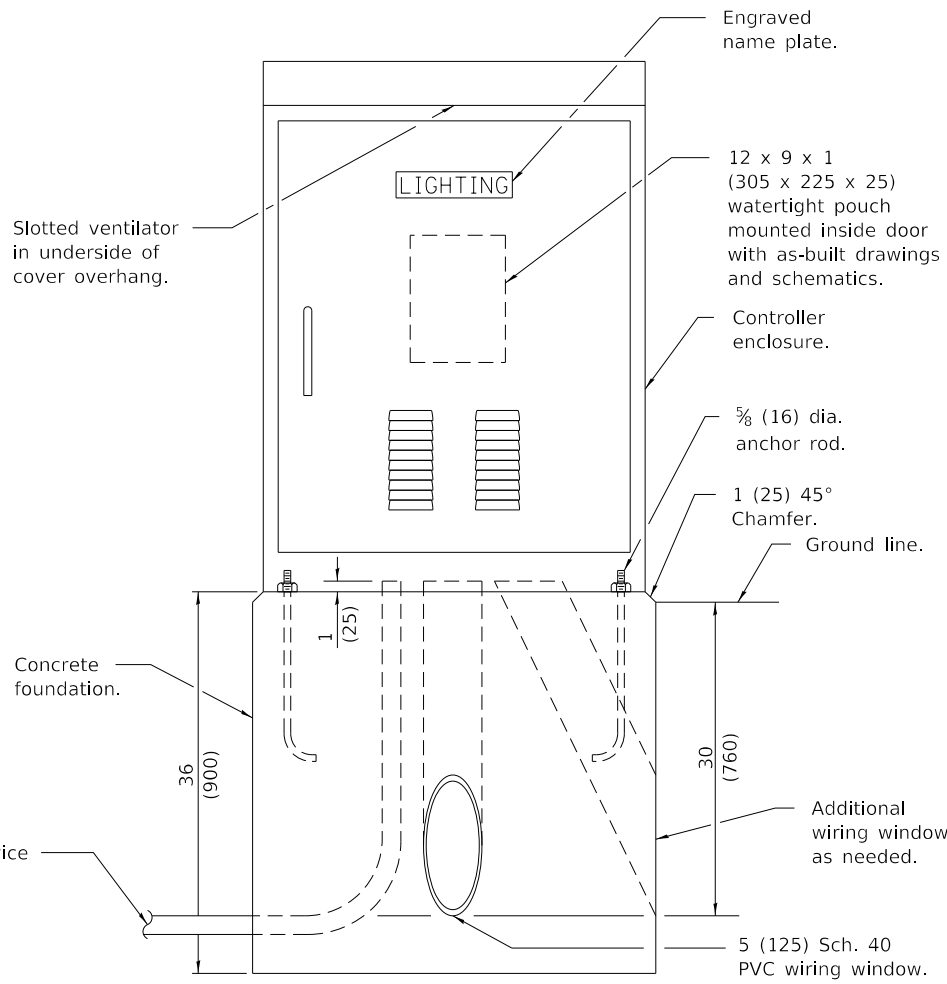
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LIGHTING CONTROLLER DETAILS

SCALE: NONE SHEET 2 OF 5 SHEETS STA. N/A TO STA. N/A

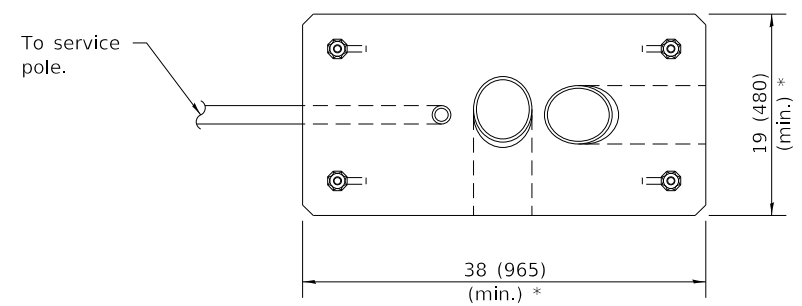
LIGHTING CONTROLLER "B"
BASE MOUNTED, 480V

LTG-24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}BR]BR	PEORIA	1361	636
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT NHPV-RP3(905)	

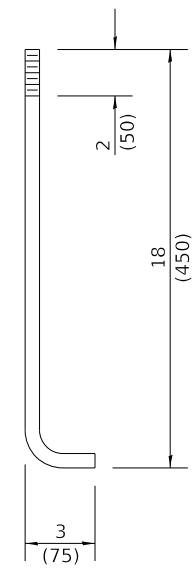


LIGHTING CONTROLLER



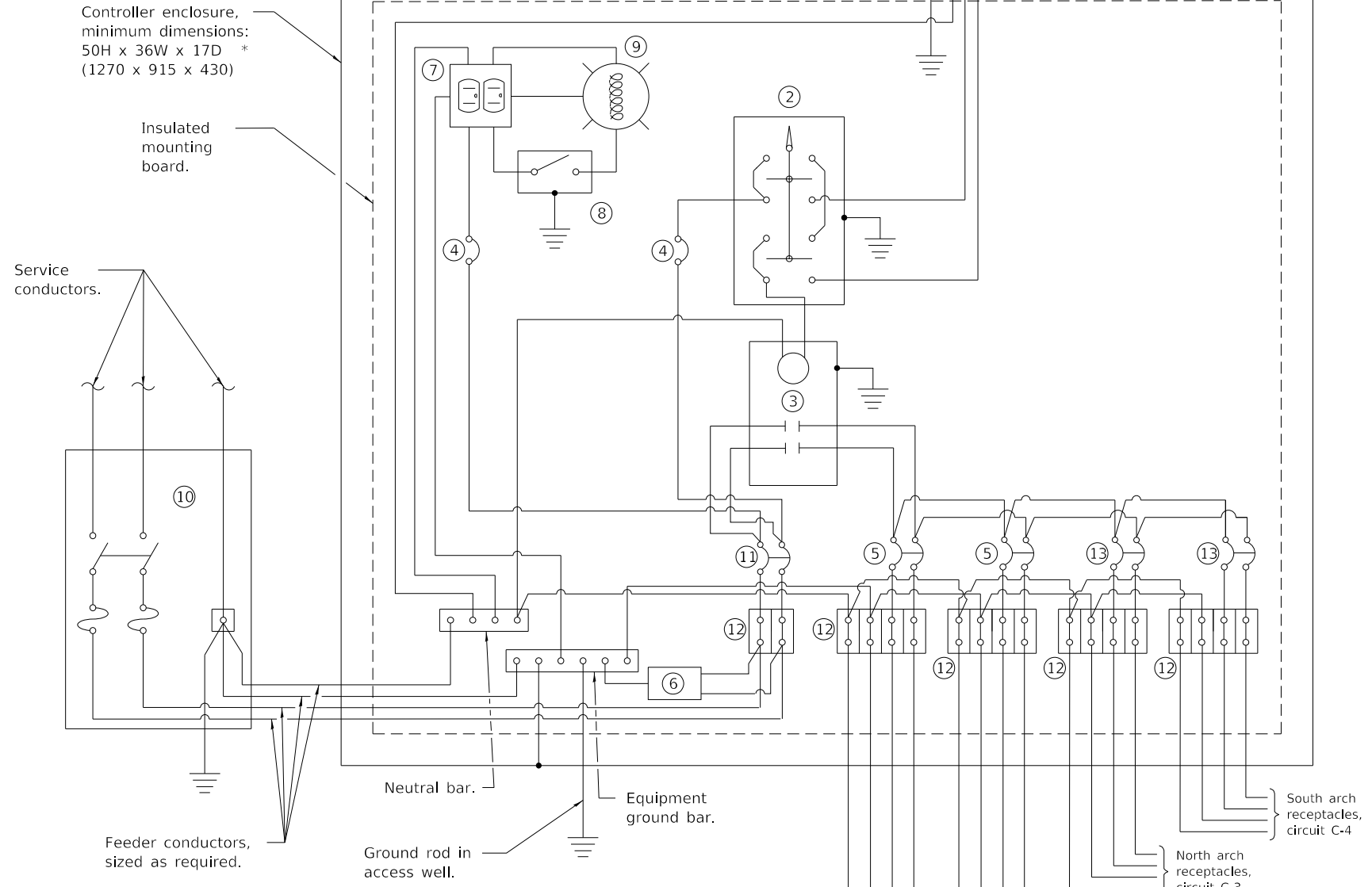
FOUNDATION (PLAN)

(Work pad not shown.)



ANCHOR ROD

DETAIL



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp, 2-pole circuit breaker.
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ 100 amp*, 2-pole circuit breaker.
- ⑫ Terminal block sized for conductors as shown on plans.
- ⑬ 40 amp, 2-pole circuit breaker.

* Size larger as needed.

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

NOTE:
PROPOSED LIGHTING CONTROLLER "C" BASED ON IL HIGHWAY STANDARD 825021-04 WITH MODIFICATIONS TO TERMINAL BLOCK AND LIGHTING CIRCUITS.

LIGHTING CONTROLLER "C"
BASE MOUNTED, 240V

LTG-25

FINAL SUBMITTAL

MODEL: Default
FILE: \\miller\p\2016\hanson\dom\hanson_projects\document\13\0813\10\06\phase\c\c\08\06\sheet\lighting\lighting-LTCC-TYLD.dgn

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

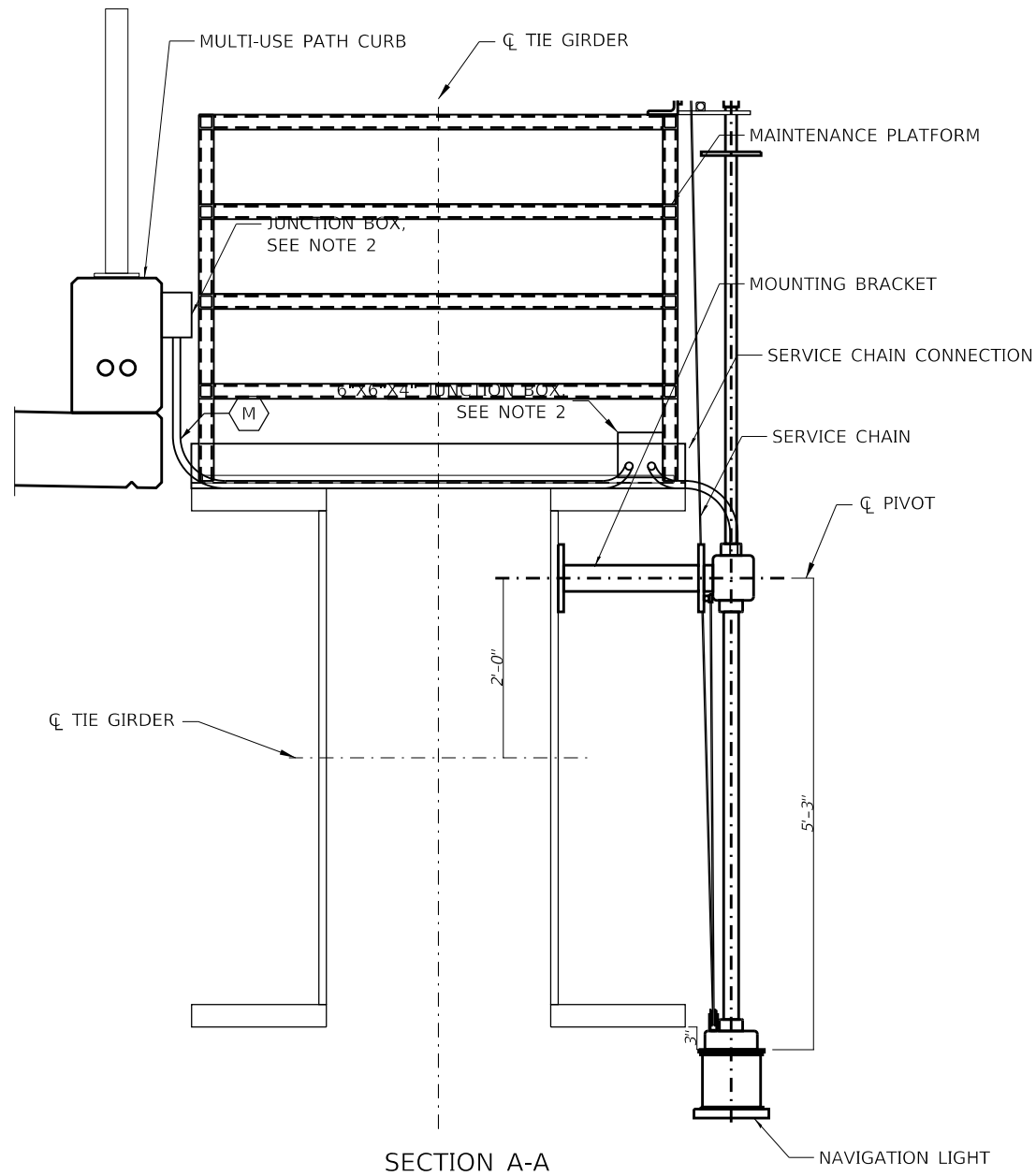
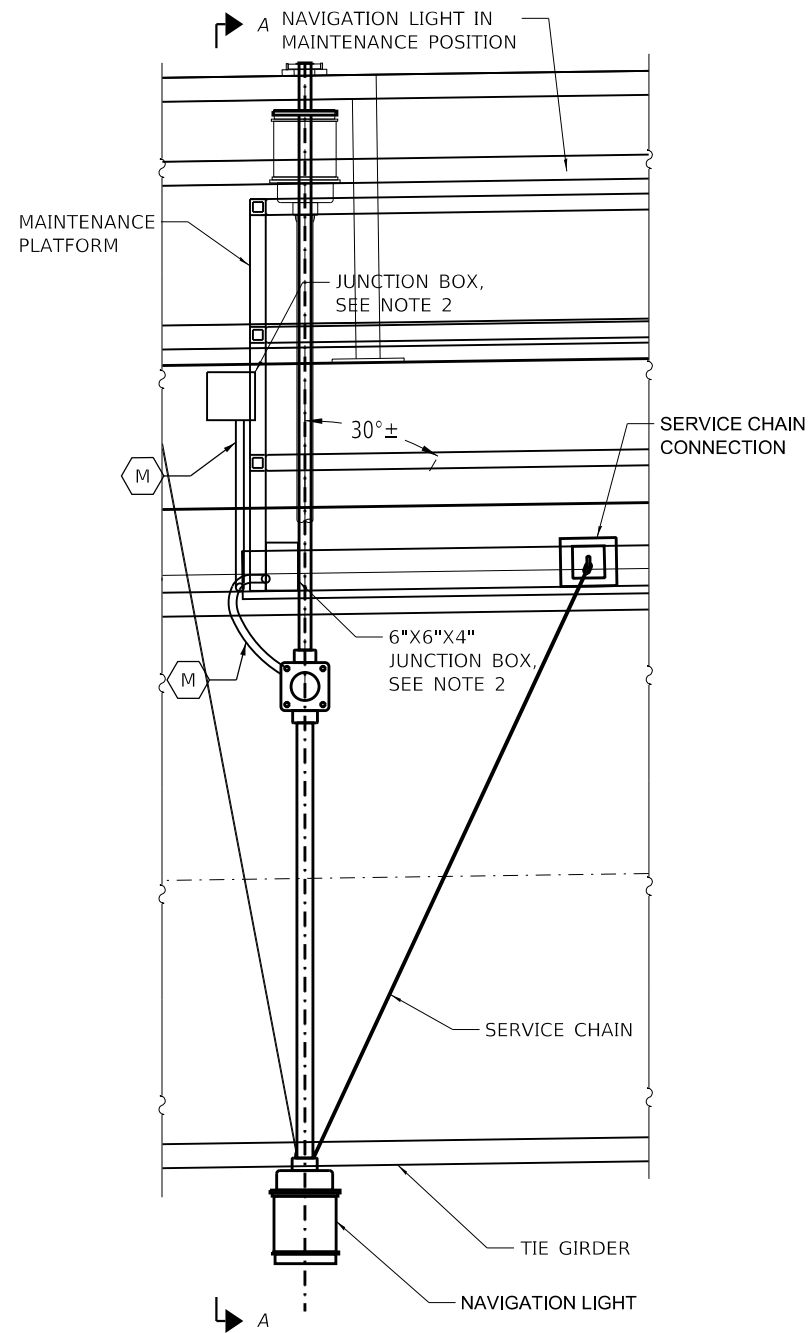
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	DRAWN - SF	REVISED -
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PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
LIGHTING CONTROLLER DETAILS

SCALE: NONE 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	637
CONTRACT NO. 68B46				
ILLINOIS		FED. AID PROJECT	NHPP-YRP3(905)	



TYPICAL WATERWAY OBSTRUCTION WARNING LUMINAIRE DETAIL
(South side of bridge, 2 locations)

NOTES:

- SEE STRUCTURAL PLANS FOR MAINTENANCE PLATFORM AND SUPPORT DETAILS.
- JUNCTION BOX SIZED PER NEC, BUT SHALL NOT BE LESS THAN SIZE INDICATED IN LIGHTING PLANS.

CABLE/CONDUIT SCHEDULE

- I** ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 1" DIA. GALV STEEL
- M** ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT, FLEXIBLE, LIQUID TIGHT, NON-METALLIC, 1" DIA.

FINAL SUBMITTAL

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PROJECT: I:\Projects\2016\hanson\cdm\hanson\Projects\Documents\13\0813\NO106\Phase3\CAD\Road\Sheet\DMCC\EB-std\highp-detail-NAV-TYL.dwg

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

USER NAME = SFicker	DESIGNED - SF	REVISED -
PLOT SCALE = 2:0.0000 " = 1" / in.	DRAWN - SF	REVISED -
PLOT DATE = 11/28/2018	CHECKED -	REVISED -
	DATE - 11/28/2018	REVISED -

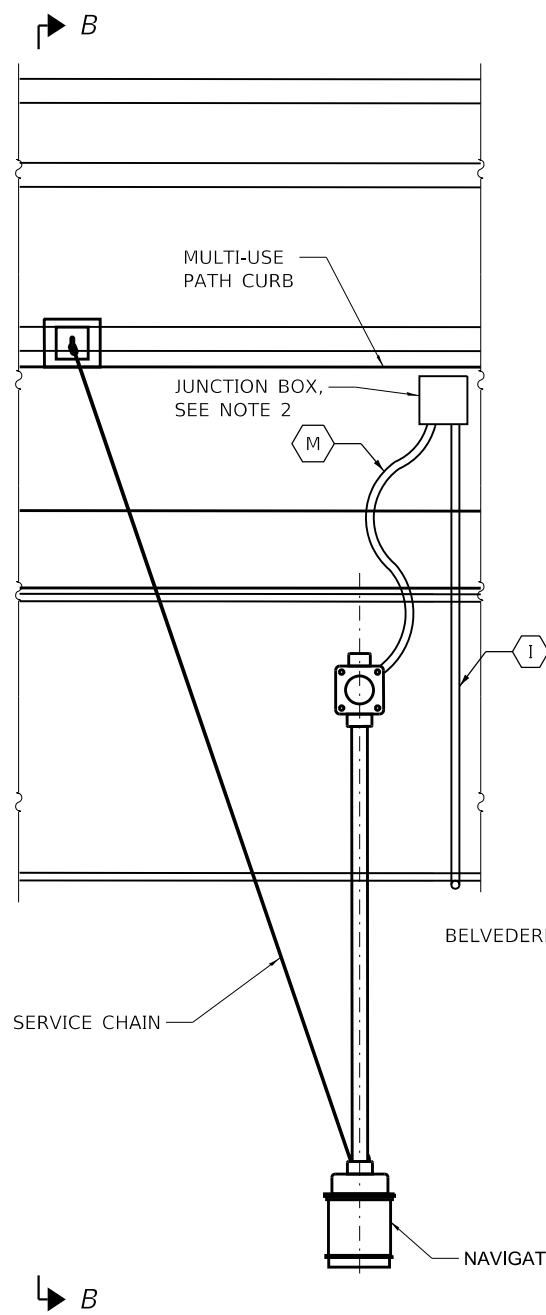
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND MCCLUGAGE BRIDGE PROJECT
NAVIGATION LIGHTING DETAILS

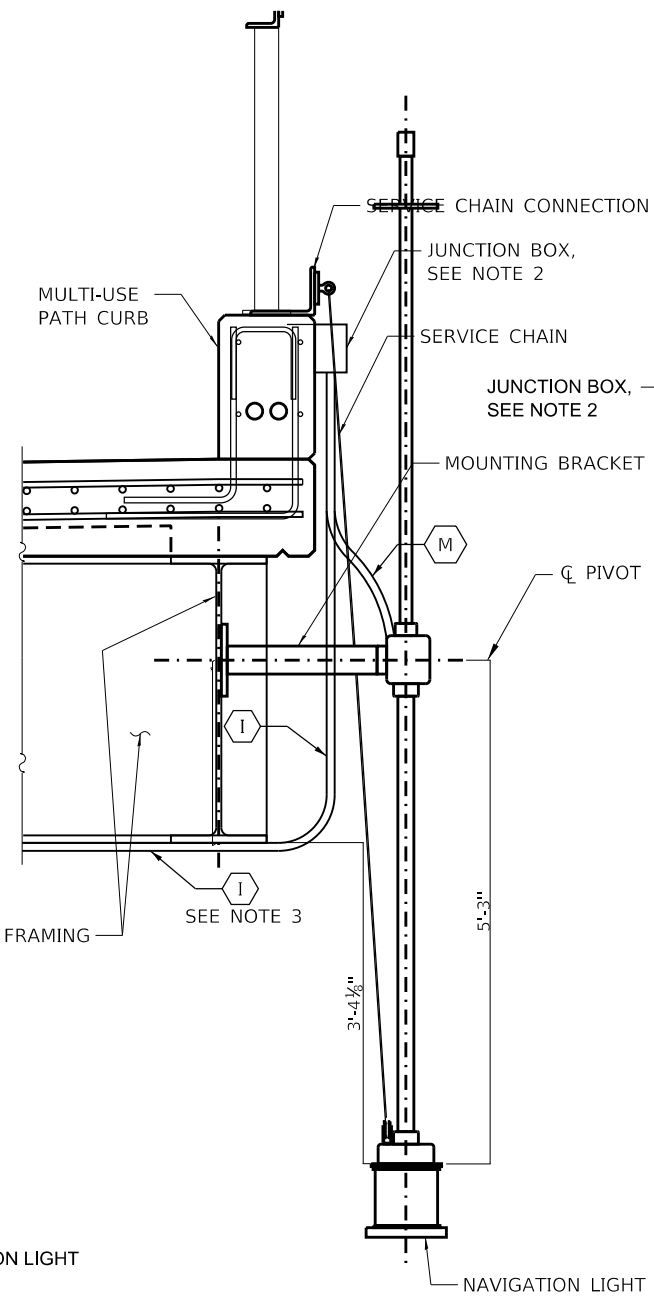
SCALE: NONE SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

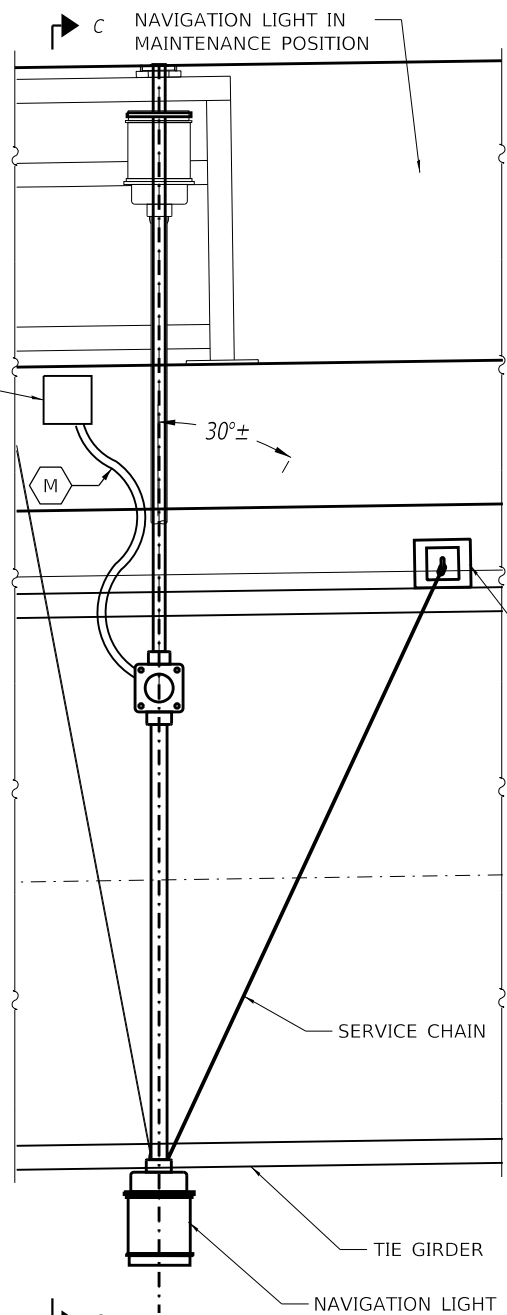
LTG-28



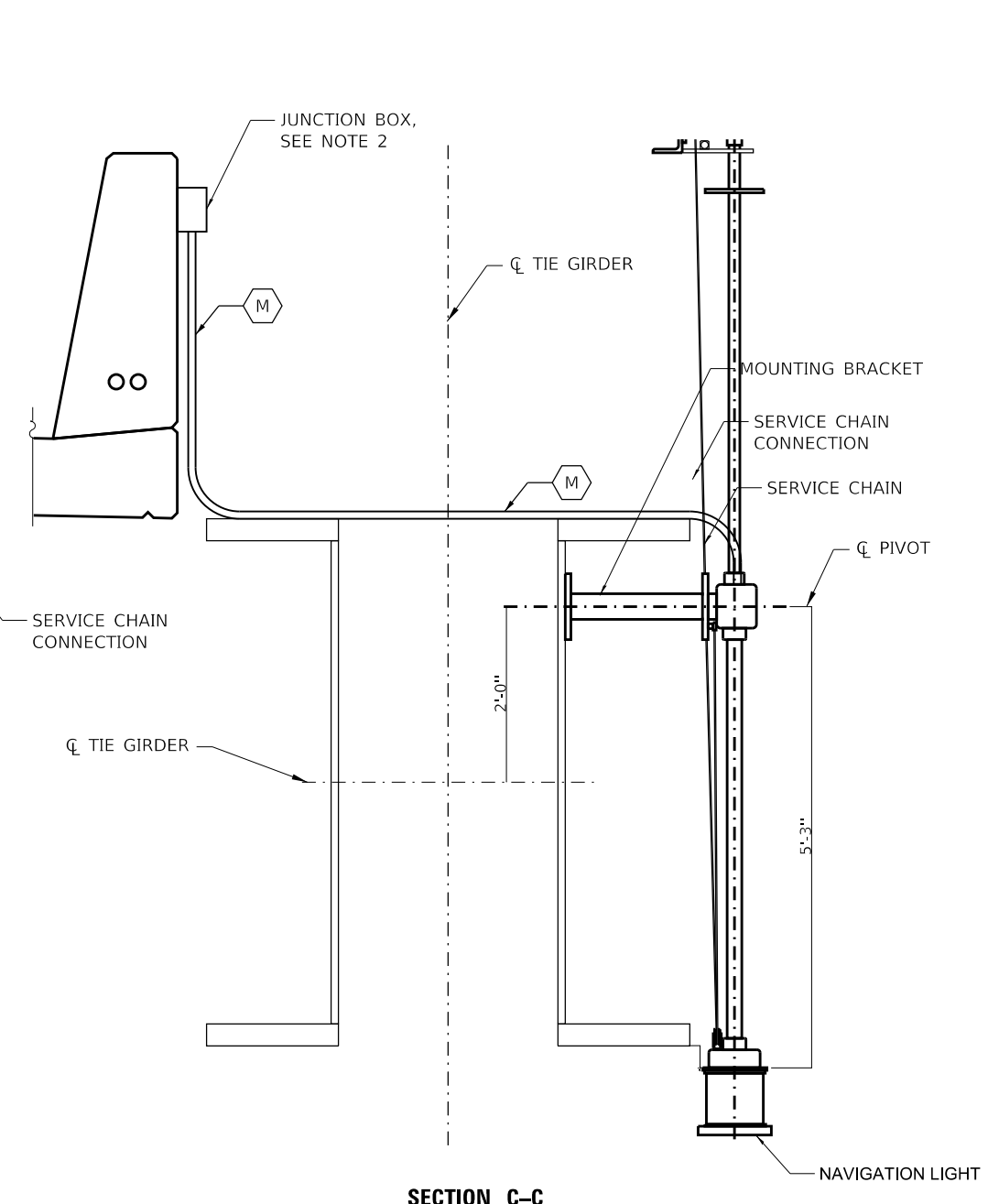
BELVEDERE WATERWAY OBSTRUCTION WARNING LUMINAIRE DETAIL
(SOUTH SIDE OF BRIDGE, 1 LOCATION)



SECTION B-B



TYPICAL WATERWAY OBSTRUCTION WARNING LUMINAIRE DETAIL
(NORTH SIDE OF BRIDGE, 3 LOCATIONS)



SECTION C-C

NOTES:

- SEE STRUCTURAL PLANS FOR SUPPORT DETAILS.
- JUNCTION BOX ATTACHED TO PARAPET, SIZED PER NEC, BUT SHALL NOT BE LESS THAN SIZE INDICATED IN LIGHTING PLANS.
- CONDUIT ATTACHED TO FLOOR BEAM AS SHOWN IN PLANS

CABLE/CONDUIT SCHEDULE

- I** ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 1" DIA. GALV STEEL
- M** ELECTRIC CABLE, 600V (XLP-TYPE USE) 2-1/C NO. 8, 1/C NO. 8 GROUND, IN CONDUIT, FLEXIBLE, LIQUID TIGHT, NON-METALLIC, 1" DIA.

FINAL SUBMITTAL

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

USER NAME = SFicker	DESIGNED - SF	REVISED -
PLOT SCALE = 2:0.0000 " = 1" / in.	DRAWN - SF	REVISED -
PLOT DATE = 11/28/2018	CHECKED -	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND MCCLUGAGE BRIDGE PROJECT
NAVIGATION LIGHTING DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}]BR]BR	TAZEWELL	1361	641
CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

SCALE: NONE SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

LTG-29

LOCATION: US 150; IL 29
SECTION: [15B;[(102-1),(14HB)]BR]BR
DISTRICT: 4
COUNTY: PEORIA & TAZEWELL COUNTY

LOCATION: US 150
SECTION: [15B;[(102-1),(14HB)]BR]BR
DISTRICT: 4
COUNTY: PEORIA & TAZEWELL COUNTY

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE
Major Road, Low Pedestrian Conflict

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE
Major Road, Low Pedestrian Conflict

GIVEN CONDITIONS

ROADWAY DATA	Lane Width	12 ft
	Number of Lanes (in each direction)	3
	Median Width	0ft
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA	Mounting Height	45 ft
	Arm Length	8 ft
	Set-Back From Edge of Pavement (White Line)	5 ft
LUMINAIRE DATA	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type II
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	220 ft
	Configuration	1 side

- NOTES:**
- Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer.
 - Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.
 - A Lumen Depreciation value greater than 0.90 for LED light sources shall be based upon I.E.S. LM-80 or I.E.S. LM-84 and I.E.S. TM-21 test reports.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

LUMINANCE	Average Luminance, L_{AVE}	0.6 cd/m ²
	Uniformity Ratio, L_{AVE}/L_{MIN}	3.5:1
	Uniformity Ratio, L_{MAX}/L_{MIN}	6.0:1
	Max. Veiling Luminance Ratio, L_v/L_{AVE}	0.30:1

GIVEN CONDITIONS

ROADWAY DATA	Lane Width	12 ft
	Number of Lanes (in each direction)	3
	Median Width	0ft
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA	Mounting Height	45 ft
	Arm Length	10 ft
	Set-Back From Edge of Pavement (White Line)	5 ft
LUMINAIRE DATA	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type II
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	220 ft
	Configuration	1 side

- NOTES:**
- Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer.
 - Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.
 - A Lumen Depreciation value greater than 0.90 for LED light sources shall be based upon I.E.S. LM-80 or I.E.S. LM-84 and I.E.S. TM-21 test reports.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

LUMINANCE	Average Luminance, L_{AVE}	0.6 cd/m ²
	Uniformity Ratio, L_{AVE}/L_{MIN}	3.5:1
	Uniformity Ratio, L_{MAX}/L_{MIN}	6.0:1
	Max. Veiling Luminance Ratio, L_v/L_{AVE}	0.30:1

FINAL SUBMITTAL

MODEL: Default
FILE: luminaire_performance.tbl
PROJECT: C:\Users\jason.donahoe\Documents\13081310\106Phase3\CD\RoadStreet\DMCC\CEP\Lighting\LP-1311.dgn

LOCATION: US 150
SECTION: [15B;[(102-1),(14HB)]BR]BR
DISTRICT: 4
COUNTY: PEORIA & TAZEWELL COUNTY

LOCATION: IL 29 UNDERPASS
SECTION: [15B;[(102-1),(14HB)]BR]BR
DISTRICT: 4
COUNTY: PEORIA COUNTY

**ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE**

Major Road, Low Pedestrian Conflict

GIVEN CONDITIONS

ROADWAY DATA	Lane Width	12 ft
	Number of Lanes (in each direction)	3
	Median Width	0ft
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA	Mounting Height	45 ft
	Arm Length	15 ft
	Set-Back From Edge of Pavement (White Line)	5 ft
LUMINAIRE DATA	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type II
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	220 ft
	Configuration	1 side

- NOTES:**
- Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer.
 - Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.
 - A Lumen Depreciation value greater than 0.90 for LED light sources shall be based upon I.E.S. LM-80 or I.E.S. LM-84 and I.E.S. TM-21 test reports.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

LUMINANCE	Average Luminance, L_{AVE}	0.6 cd/m ²
	Uniformity Ratio, L_{AVE}/L_{MIN}	3.5:1
	Uniformity Ratio, L_{MAX}/L_{MIN}	6.0:1
	Max. Veiling Luminance Ratio, L_v/L_{AVE}	0.30:1

**ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE**

Major Road, Low Pedestrian Conflict

GIVEN CONDITIONS

ROADWAY DATA	Lane Width	12 ft
	Number of Lanes (in each direction)	2
	Median Width	0ft
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
MOUNTING DATA	Mounting Height	12 ft
	Arm Length	N/A
	Mount Type	Wall
LUMINAIRE DATA	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type II
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	50 ft
	Configuration	1 side

- NOTES:**
- Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer.
 - Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.
 - A Lumen Depreciation value greater than 0.90 for LED light sources shall be based upon I.E.S. LM-80 or I.E.S. LM-84 and I.E.S. TM-21 test reports.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

LUMINANCE	Average Luminance, L_{AVE}	0.6 cd/m ²
	Uniformity Ratio, L_{AVE}/L_{MIN}	3.5:1
	Uniformity Ratio, L_{MAX}/L_{MIN}	6.0:1
	Max. Veiling Luminance Ratio, L_v/L_{AVE}	0.30:1

FINAL SUBMITTAL

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

USER NAME = SFicker	DESIGNED - SF	REVISED -
PLOT SCALE = 2.00' / in.	DRAWN - SF	REVISED -
PLOT DATE = 11/28/2018	CHECKED -	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LUMINAIRE PERFORMANCE TABLE

SCALE: NONE SHEET 2 OF 3 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&TAZEWELL	1361	643
			CONTRACT NO. 68B46	
			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

LTG-31

LOCATION: MULTI-USE PATH
SECTION: [15B;[(102-1),(14HB)]BR]BR
DISTRICT: 4
COUNTY: PEORIA COUNTY

LOCATION: PARK
SECTION: [15B;[(102-1),(14HB)]BR]BR
DISTRICT: 4
COUNTY: PEORIA & TAZEWELL COUNTY

**ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE**

Walkway/Bikeway, Low Density Residential

GIVEN CONDITIONS		
PATH DATA	Path Width	10 ft
	I.E.S. Surface Classification	R1
LIGHT POLE DATA	Mounting Height	18 ft
	Mount Type	Tenon
	Set-Back From Edge of Pavement (White Line)	5 ft
LUMINAIRE DATA	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type II
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	75 ft
	Configuration	1 side

- NOTES:**
- Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer.
 - Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.
 - A Lumen Depreciation value greater than 0.90 for LED light sources shall be based upon I.E.S. LM-80 or I.E.S. LM-84 and I.E.S. TM-21 test reports.

PERFORMANCE REQUIREMENTS		
NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.		
ILLUMINANCE	Average Illuminance, E_{AVE}	3 Lux
	Min. Vertical Illuminance	0.08 Lux
	Uniformity Ratio, E_{MAX}/E_{MIN}	6:1

**ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE**

Park/Parking Lot (Transaction Area)

GIVEN CONDITIONS		
PARK DATA	I.E.S. Surface Classification	200 ft
LIGHT POLE DATA	Mounting Height	30 ft
	Mount Type	Tenon
	Set-Back From Edge of Pavement (White Line)	5 ft
LUMINAIRE DATA	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type III
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	60 ft
	Configuration	Perimeter

- NOTES:**
- Variations from the above specified I.E.S. distribution may be requested and will be subject to review by the Engineer.
 - Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.
 - A Lumen Depreciation value greater than 0.90 for LED light sources shall be based upon I.E.S. LM-80 or I.E.S. LM-84 and I.E.S. TM-21 test reports.

PERFORMANCE REQUIREMENTS		
NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.		
ILLUMINANCE	Min. Horizontal Illuminance	10 Lux
	Min. Vertical Illuminance	5 Lux
	Uniformity Ratio, E_{MAX}/E_{MIN}	15:1

FINAL SUBMITTAL

MODEL: Default
FILE: \\mhc-pc-pub\users\levy206\hanson\cdm\hanson\project\13\job\13\10\106\phase\1\CD\Road\Sheet\DMACC\EP-11P3-TYL.dgn

TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = SFicker	DESIGNED - SF	REVISED -
		DRAWN - SF	REVISED -
	PLOT SCALE = 2.00" = 1' in.	CHECKED -	REVISED -
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PROPOSED LUMINAIRE PERFORMANCE TABLE

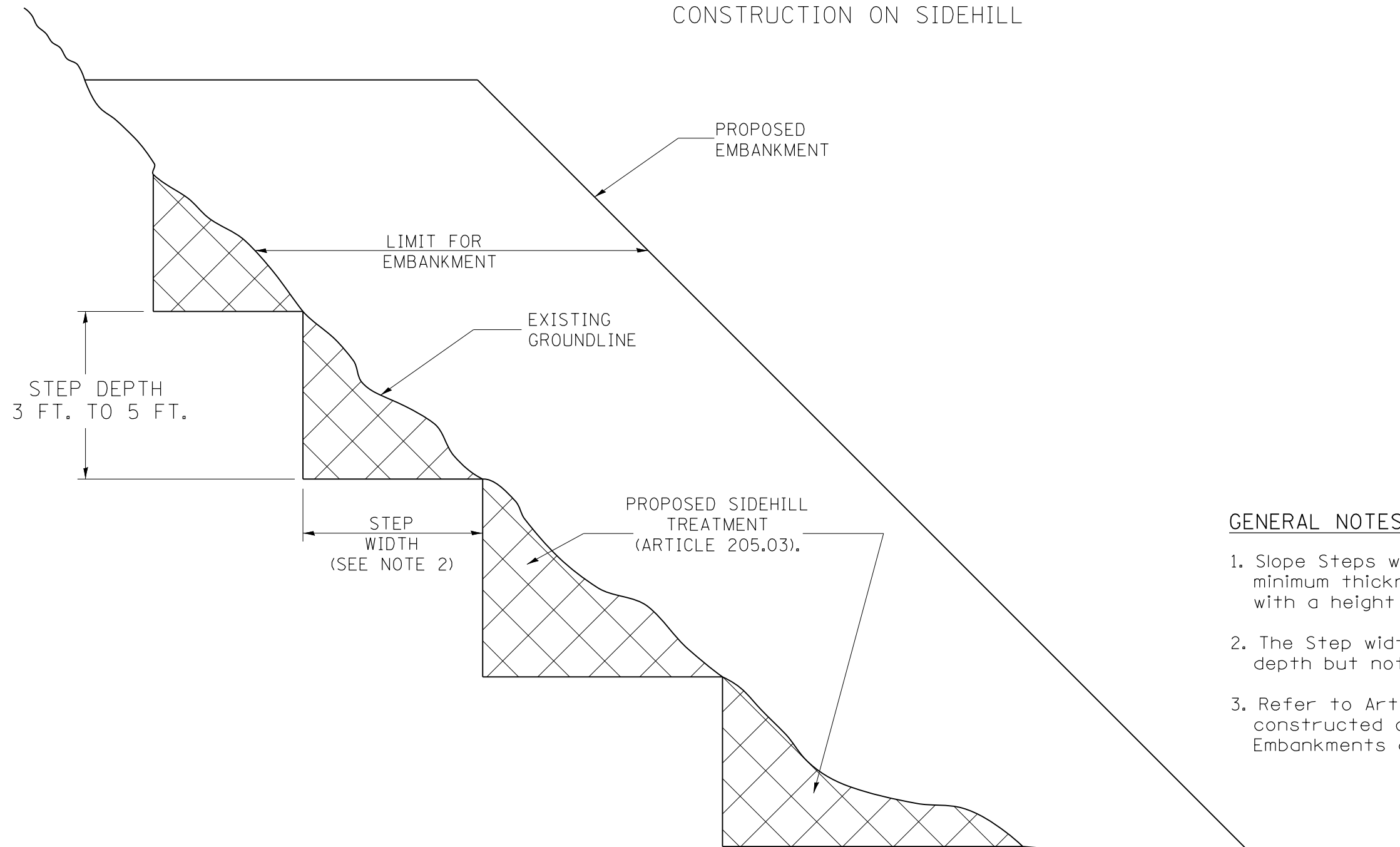
SCALE: NONE SHEET 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA & TAZEWELL	1361	644
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPP-YRP3(905)				

LTG-32

SLOPE STEPS DETAIL

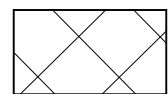
TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "sliver fills" and on all fills with a height of 10 feet or greater.
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

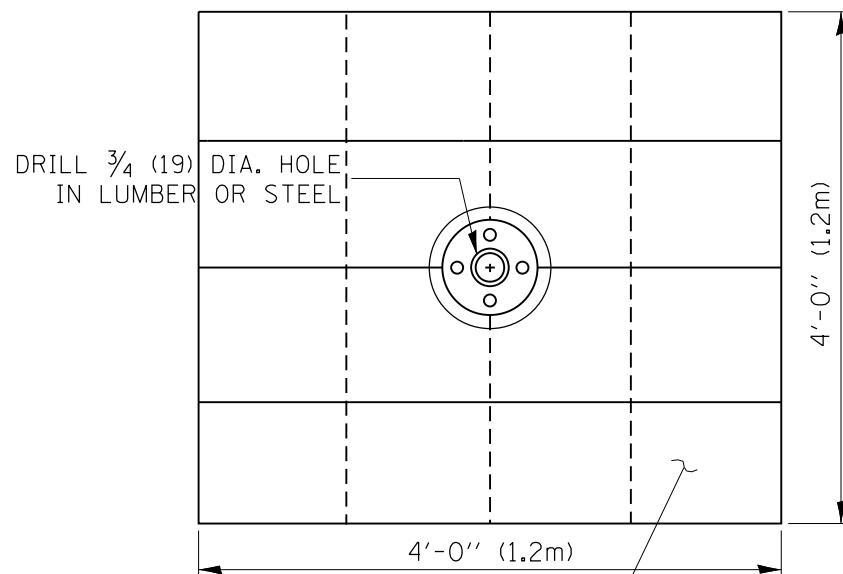
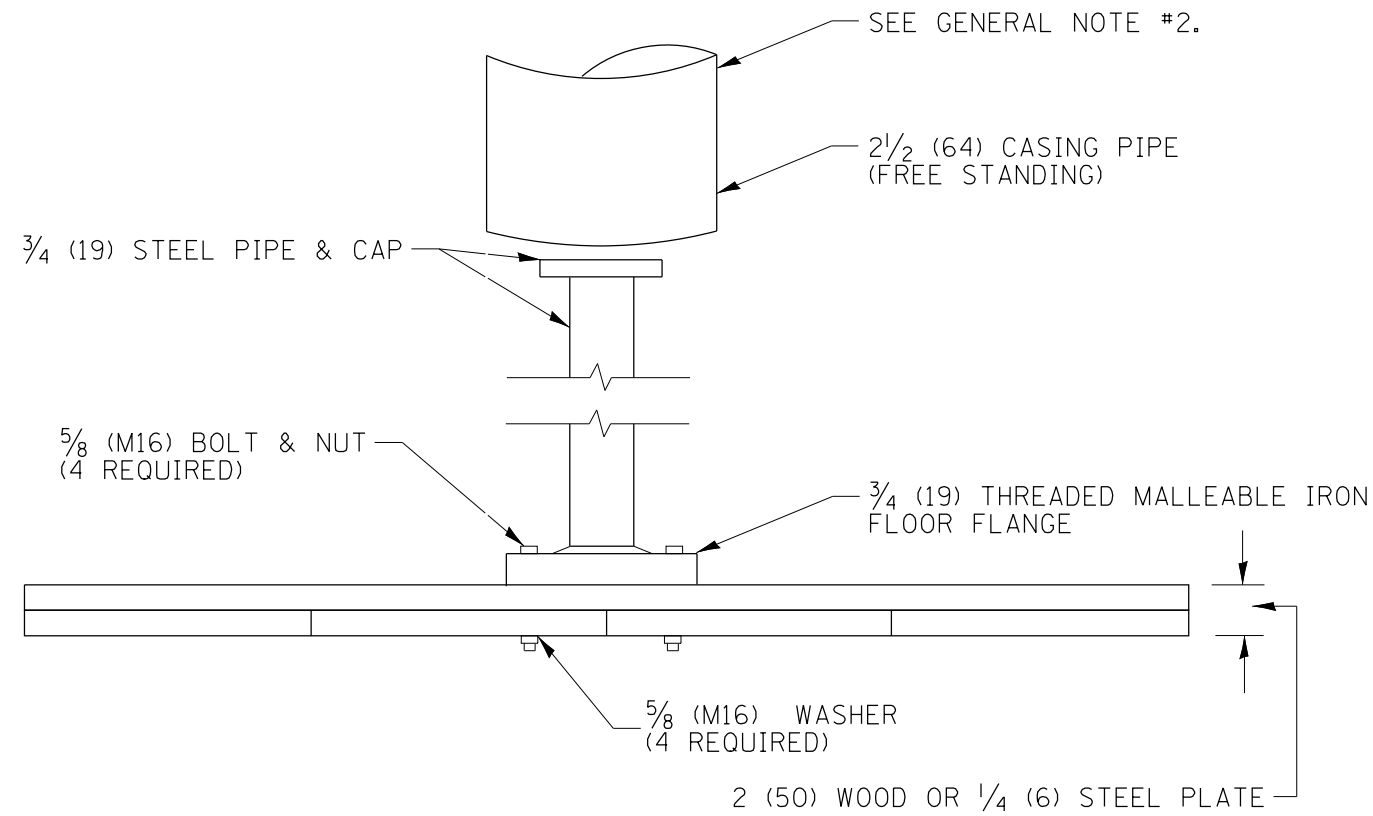
REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFICATION).

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

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLOPE STEPS DETAIL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
10-16-06	REVISED TO 2007 SPEC.	M.A.											1361	645
5-30-18	MINOR CORRECTION	R.D.											CONTRACT NO.	
							NOT TO SCALE	CADD STD. 205001-D4		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SOUND LUMBER - 1(25) x 12(300) NAILED TOGETHER OR 1/4(6) THICK BY 4'(1.2m) SQUARE STEEL PLATE

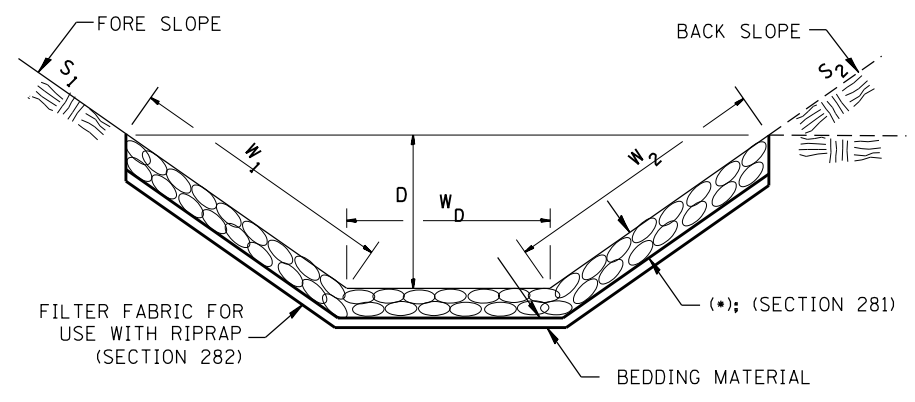
GENERAL NOTES:

1. Settlement Platform shall be in accordance with the applicable portions of Article 204.06 of the Standard Specifications.
2. Do Not install casing pipe until after one section of 3/4"(19 mm) has been covered with earth. The casing pipe should not rest on platform.

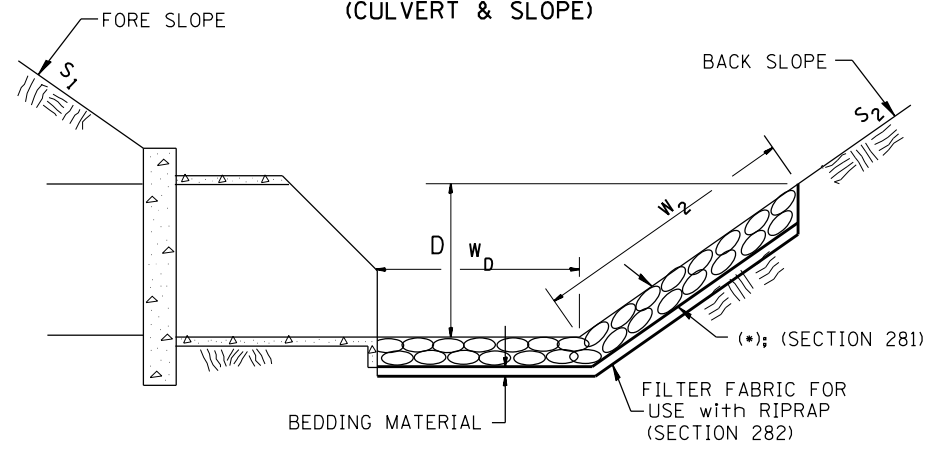
All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. L-5.04, NEW REVISION BOX, REVISED NOTES, REVISED TITLE BOX	T.P.	8-23-01	UPDATE FOR NEW SPEC.	M.A.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SETTLEMENT PLATFORM	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4-14-99	ADDED "CASING PIPE" REQUIREMENT	J.A.	10-16-06	REVISED TO 2007 SPEC.	M.A.						1361	646
5-19-99	CORRECTIONS TO CASING PIPE	J.A.									CONTRACT NO.	
						NOT TO SCALE	CADD STD. 205101-D4	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

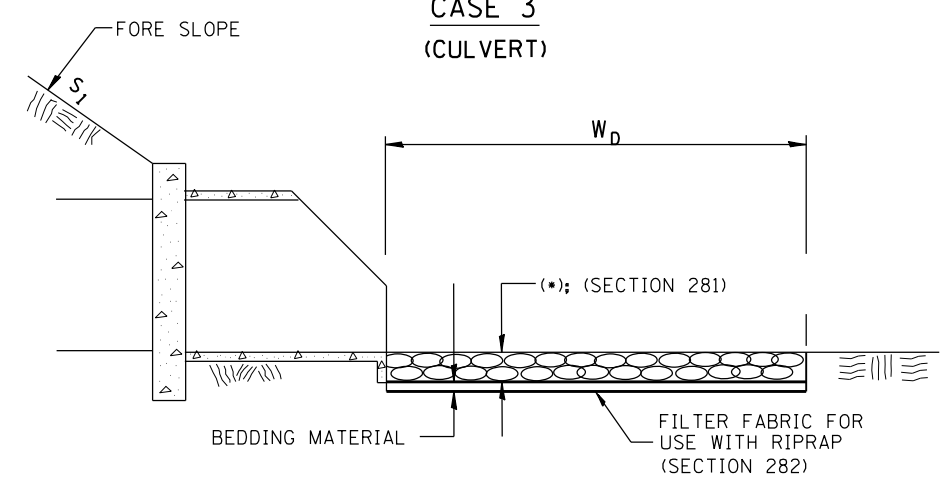
**CASE 1
(DITCH)**



**CASE 2
(CULVERT & SLOPE)**



**CASE 3
(CULVERT)**



All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.
9-6-12	REMOVED A DESIGNER NOTE AND MADE MINOR CHANGES	R.D.

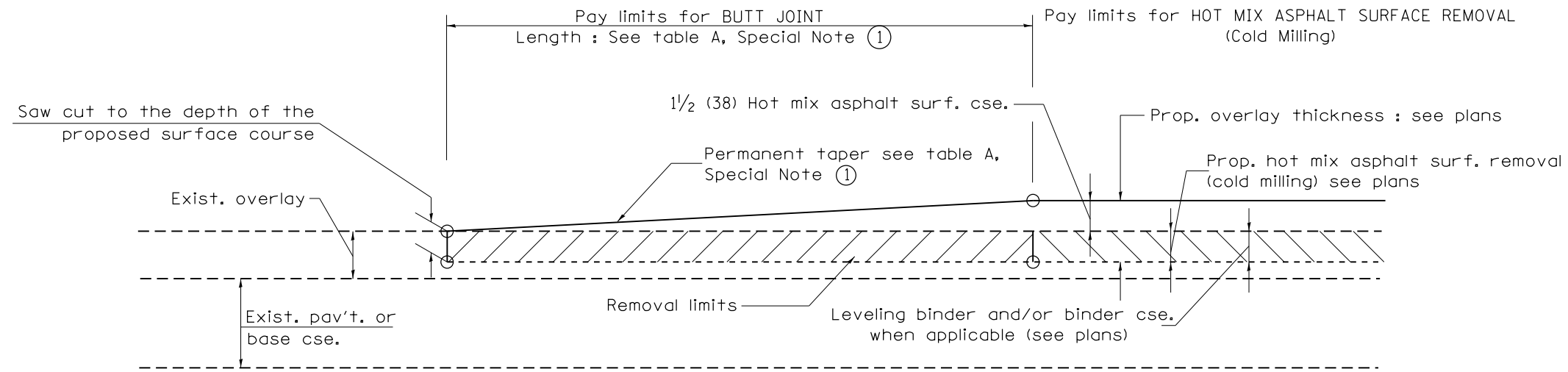
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIPRAP DITCH FOR EROSION PROTECTION

NOT TO SCALE

CADD STD. 281001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	647
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



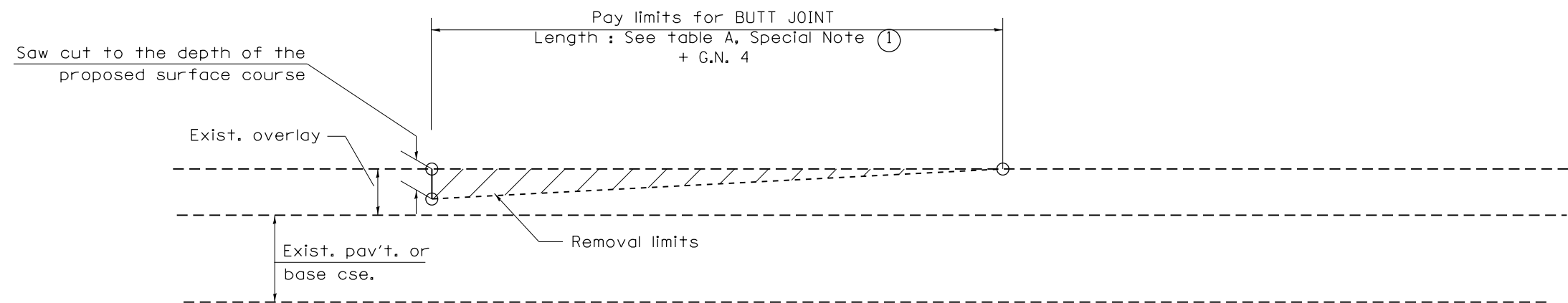
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

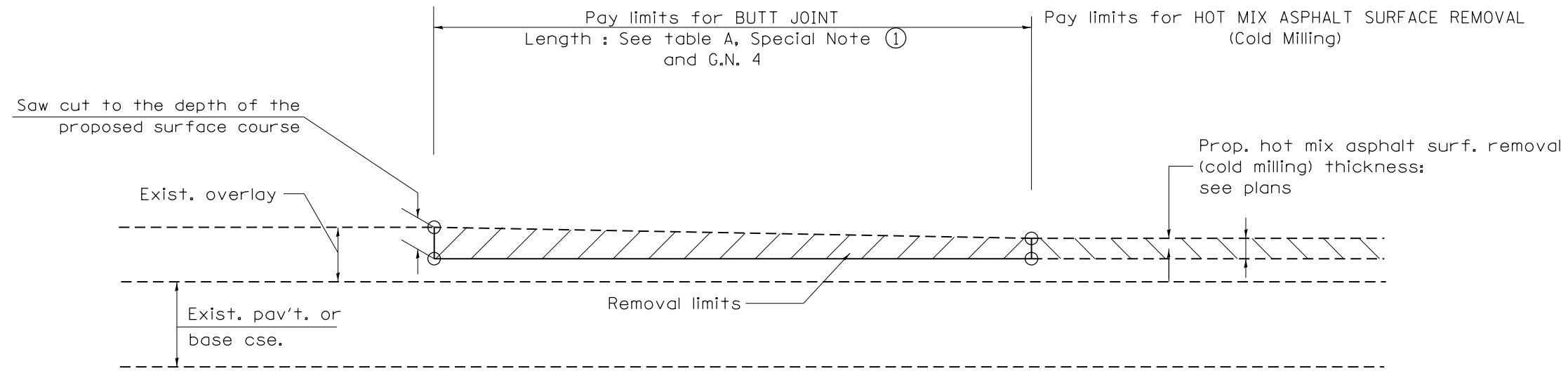
GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

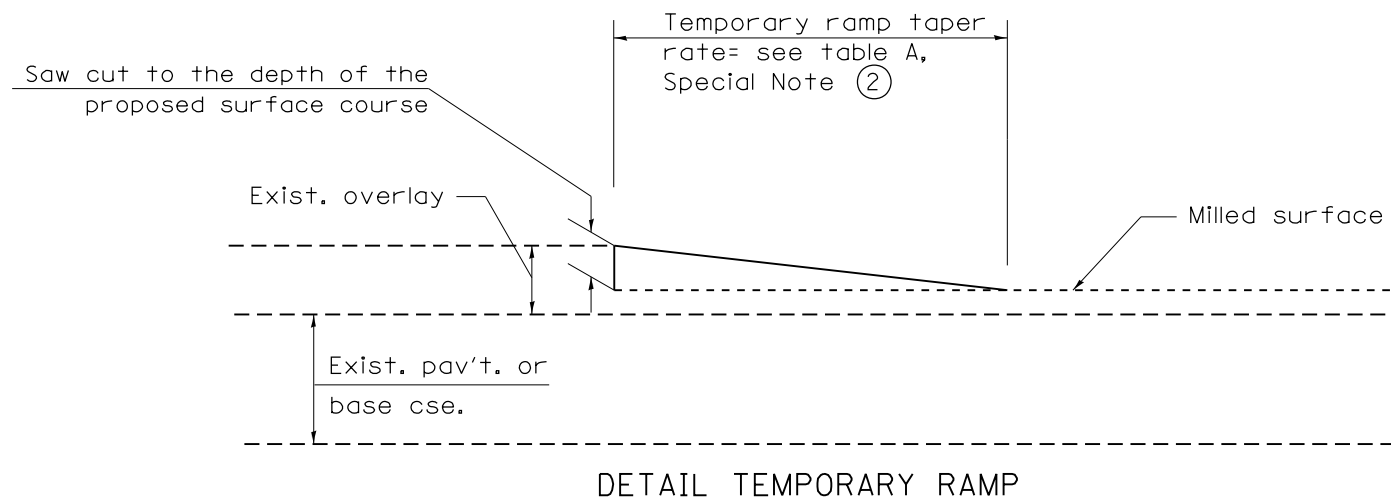


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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

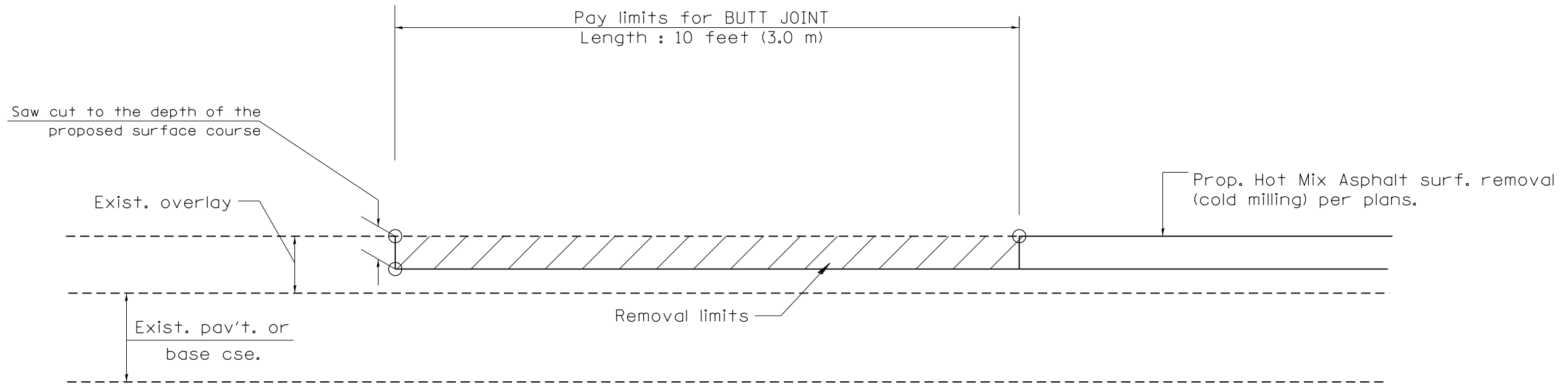


CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



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

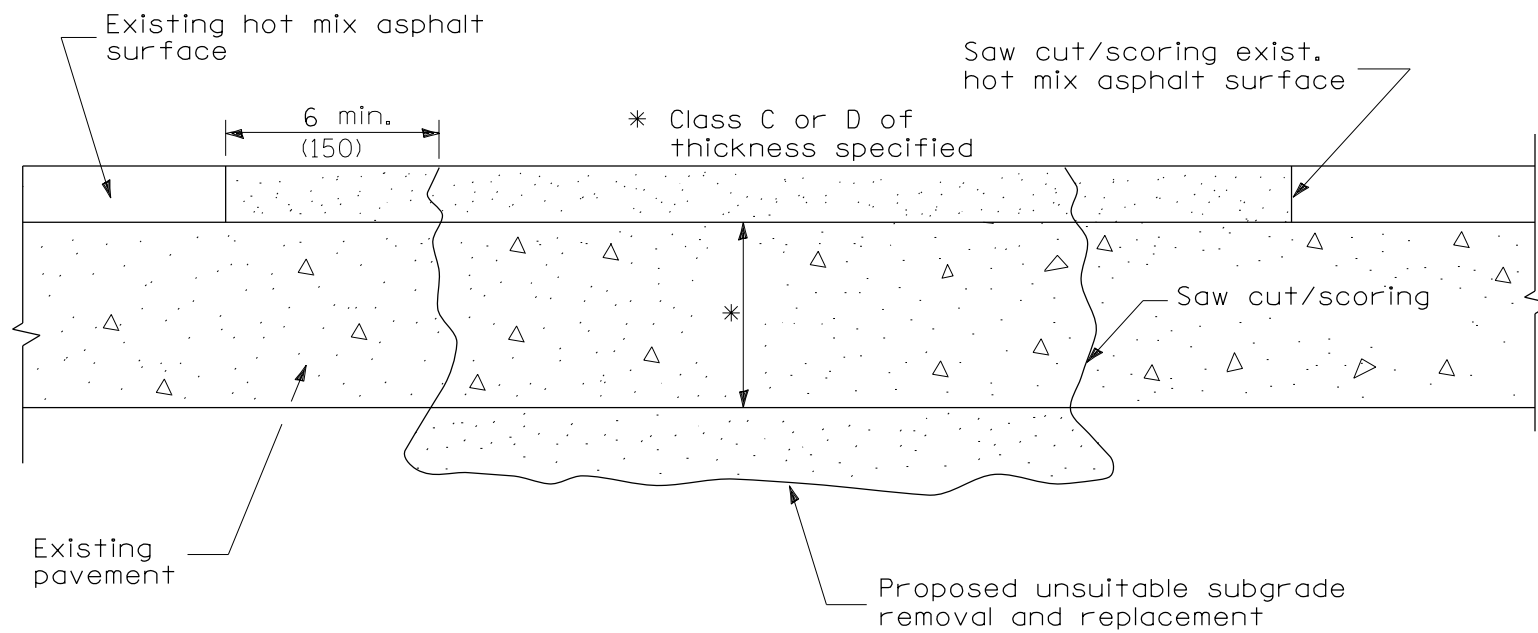
				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 2 OF 3 CADD STD. 406101-D4		<table border="1"> <tr> <td>F.A. RTE.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td></td> <td></td> <td></td> <td>1361</td> <td>649</td> </tr> <tr> <td colspan="3">FED. ROAD DIST. NO.</td> <td colspan="2">ILLINOIS FED. AID PROJECT</td> </tr> </table>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				1361	649	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
			1361	649																						
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT																							
						NOT TO SCALE				CONTRACT NO.																



CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

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

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 3 OF 3 CADD STD. 406101-D4	
								CONTRACT NO.	
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
								TOTAL SHEETS 1361 SHEET NO. 650	



SEQUENCE OF CONSTRUCTION

1. Remove the existing hot mix asphalt surface.
2. Remove and replace full depth patches.
3. Replace hot mix asphalt surface.

PAVEMENT PATCHING FOR
HOT MIX ASPHALT SURFACED PAVEMENT

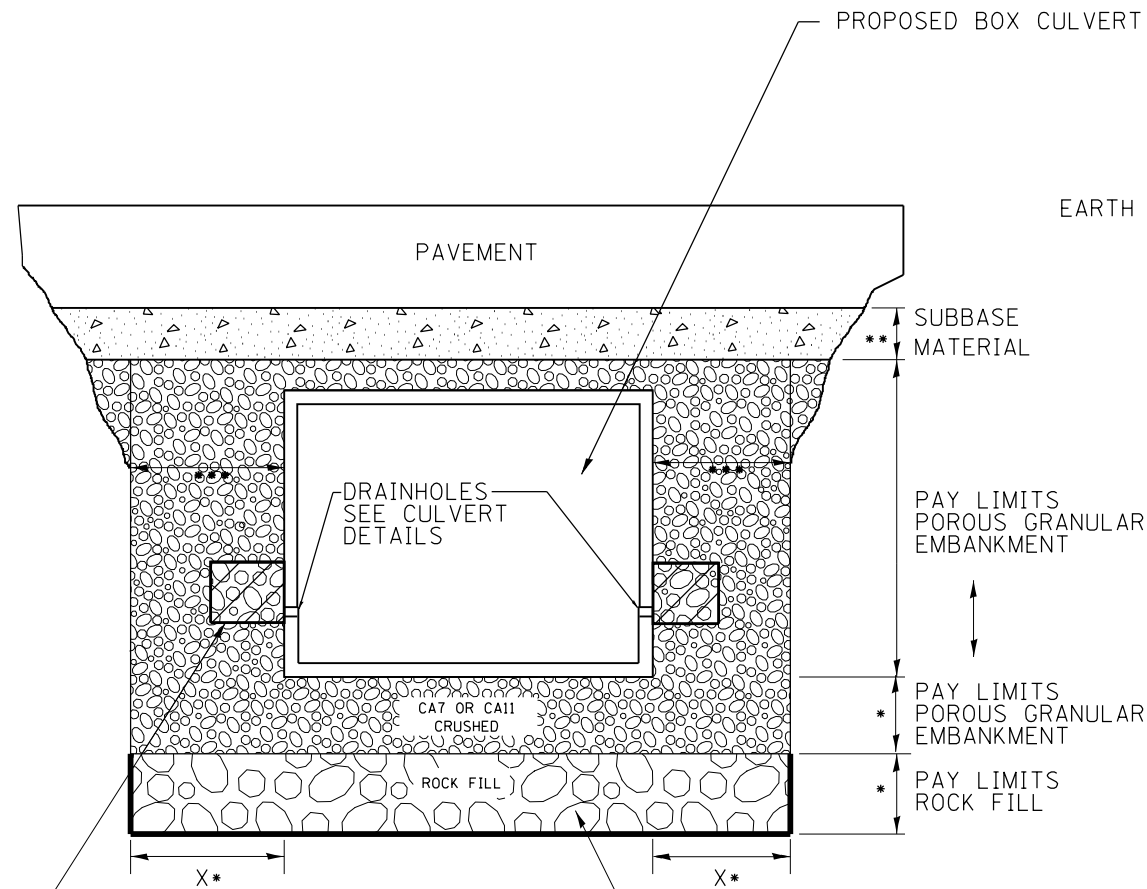
GENERAL NOTES

1. The width of the full depth patch over a trench shall be 12 (300) wider on each side of the trench.

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

01-01-97	RENUM. C-104.03, NEW REVISION BOX, REVISED NOTES	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOT MIX ASPHALT SURFACE REMOVAL OVER PATCHES	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
09-15-05	REVISED DESIGNER NOTE	M.M.A.										1361	651
10-16-06	REVISED TO 2007 SPEC.	M.A.										CONTRACT NO.	
							NOT TO SCALE	CADD STD. 440101-D4	<small>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</small>				

ROADWAY PROFILE VIEW

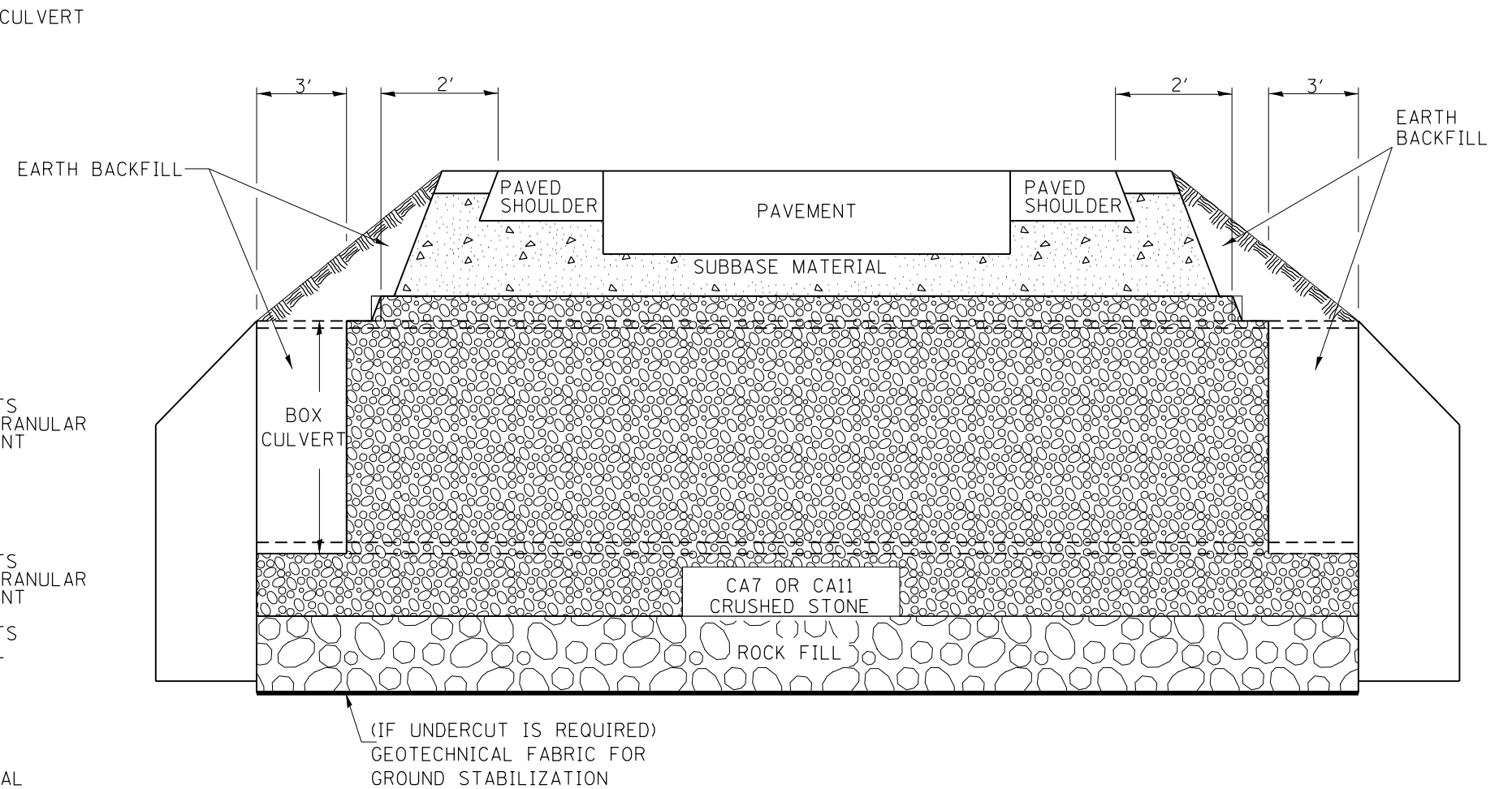


2' x 2' x 2' DEPOSIT OF CA 5, 7, OR 11 IN FABRIC ENVELOPE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS (TYPICAL)

(IF UNDERCUT IS REQUIRED) PROPOSED REMOVAL & DISPOSAL OF UNSUITABLE, AND REPLACE WITH ROCK FILL WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION. PAID FOR BY RESPECTIVE PAY ITEMS.

- * IF APPLICABLE, SEE UNDERCUT DETAIL FOR DEPTHS AND WIDTHS. IF THERE IS NO UNDERCUT, X = 2 FEET AND SEE NOTE 3 THIS SHEET.
- ** SUBBASE SHALL BE 6" MINIMUM LAYER OF CA6 CRUSHED STONE OR OTHER MATERIAL AS SPECIFIED IN THE PLANS.
- *** PAY LIMITS OF POROUS GRANULAR EMBARKMENT SHALL BE 2 FEET UNLESS OTHERWISE SHOWN IN THE PLANS.

ROADWAY CROSS SECTION VIEW

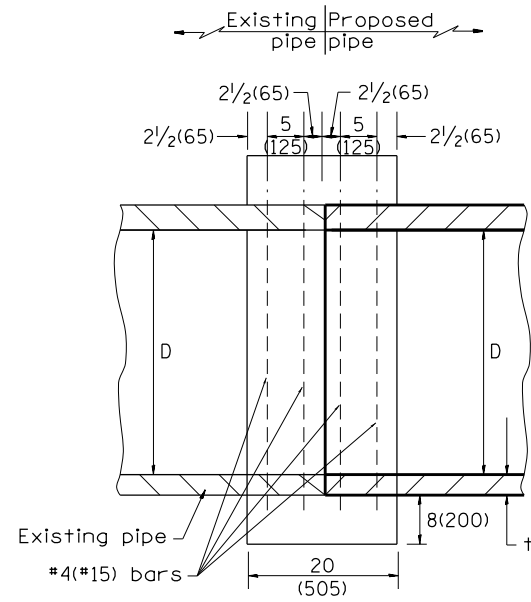


NOTES:

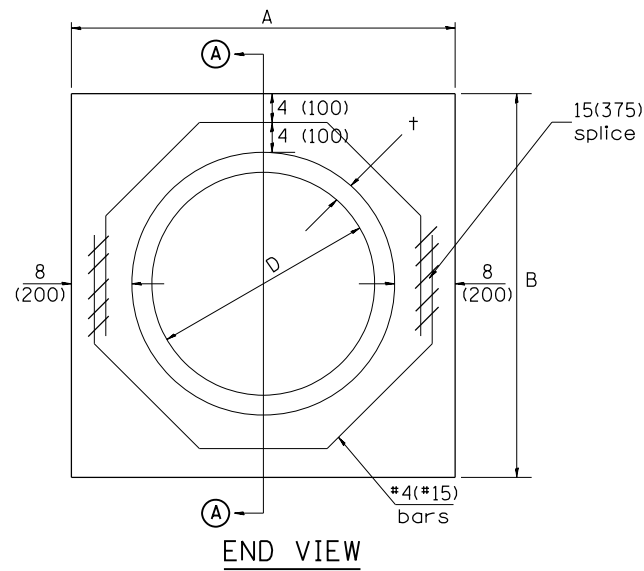
1. EXCEPT AS SPECIFIED IN THIS DETAIL, THE PLACEMENT AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.
2. POROUS GRANULAR EMBARKMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 207 OF THE STANDARD SPECIFICATIONS.
3. IF NO UNDERCUT IS REQUIRED, A 6" MINIMUM LAYER OF POROUS GRANULAR EMBARKMENT SHALL BE PLACED BELOW THE ELEVATION OF THE BOTTOM OF BOX CULVERT.

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

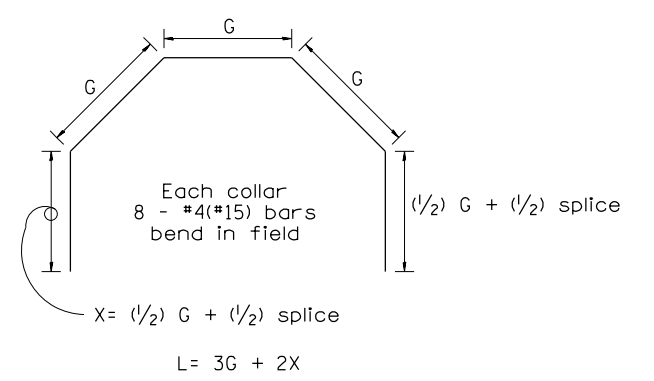
6-12-12	CREATED NEW STD.	R.D.												
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERTS				
										NOT TO SCALE				
										CADD STD. 540000-D4				
										F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 1361 652 CONTRACT NO. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SECTION A - A



END VIEW



Each Collar									
					Reinforcement Bars				
D	t	A	B	CL. SI CONC.	G	X	L	Weight	
in (mm)	in (mm)	ft (m)	ft (m)	cu.yd. (m ³)	in (mm)	in (mm)	ft (m)	lb (kg)	
12 (300)	2.00 (51)	2.67 (0.814)	2.67 (0.814)	0.4 (0.270)	9 ¹⁵ / ₁₆ (253)	12 ⁷ / ₁₆ (317)	4.57 (1.393)	24 (11)	
15 (375)	2.25 (57)	2.96 (0.902)	2.96 (0.902)	0.4 (0.315)	11 ³ / ₈ (290)	13 ³ / ₁₆ (335)	5.05 (1.541)	27 (12)	
18 (450)	2.50 (64)	3.25 (0.991)	3.25 (0.991)	0.5 (0.362)	12 ¹³ / ₁₆ (327)	13 ⁷ / ₈ (354)	5.54 (1.689)	30 (14)	
21 (525)	2.75 (70)	3.54 (1.079)	3.54 (1.079)	0.5 (0.411)	14 ¹ / ₄ (364)	14 ⁵ / ₈ (372)	6.02 (1.836)	32 (15)	
24 (600)	3.00 (76)	3.83 (1.167)	3.84 (1.167)	0.6 (0.460)	15 ¹¹ / ₁₆ (401)	15 ⁵ / ₁₆ (391)	6.51 (1.984)	35 (16)	
27 (675)	3.25 (83)	4.13 (1.259)	4.13 (1.259)	0.7 (0.516)	17 ¹ / ₄ (438)	16 ¹ / ₁₆ (409)	6.99 (2.131)	37 (17)	
30 (750)	3.50 (89)	4.42 (1.347)	4.42 (1.347)	0.7 (0.570)	18 ¹¹ / ₁₆ (475)	16 ³ / ₄ (428)	7.48 (2.279)	40 (18)	
33 (825)	3.75 (95)	4.71 (1.436)	4.71 (1.436)	0.8 (0.624)	20 ¹ / ₈ (512)	17 ¹ / ₂ (446)	7.96 (2.426)	43 (19)	
36 (900)	4.00 (102)	5.00 (1.524)	5.00 (1.524)	0.9 (0.682)	21 ⁹ / ₁₆ (549)	18 ³ / ₁₆ (465)	8.44 (2.574)	45 (20)	
42 (1050)	4.50 (114)	5.58 (1.701)	5.58 (1.701)	1.0 (.800)	24 ⁷ / ₁₆ (622)	19 ³ / ₄ (501)	9.41 (2.869)	50 (23)	
48 (1200)	5.00 (127)	6.17 (1.881)	6.17 (1.881)	1.2 (0.930)	27 ⁵ / ₁₆ (696)	21 ³ / ₁₆ (538)	10.38 (3.164)	55 (25)	

GENERAL NOTES

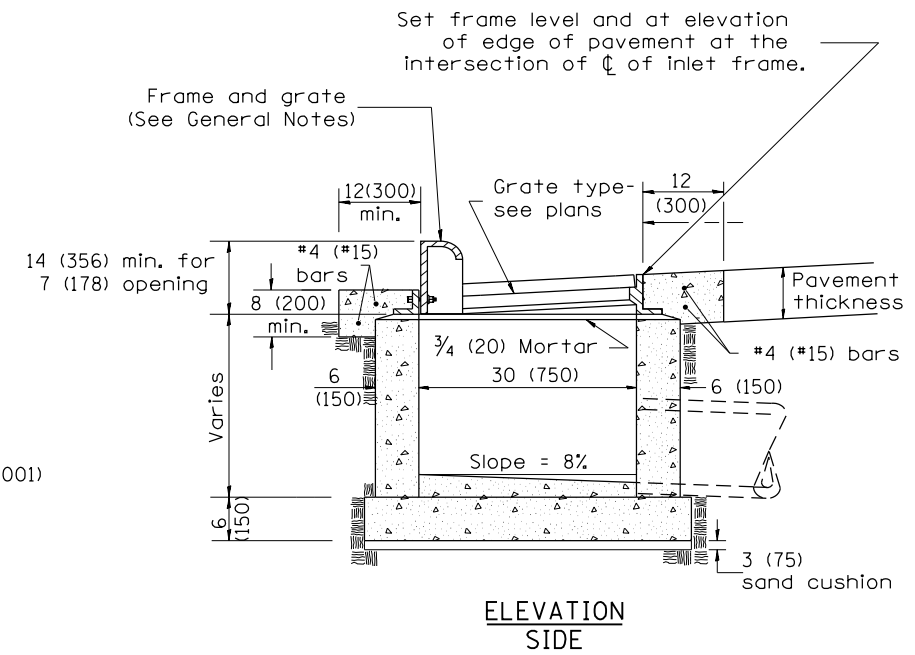
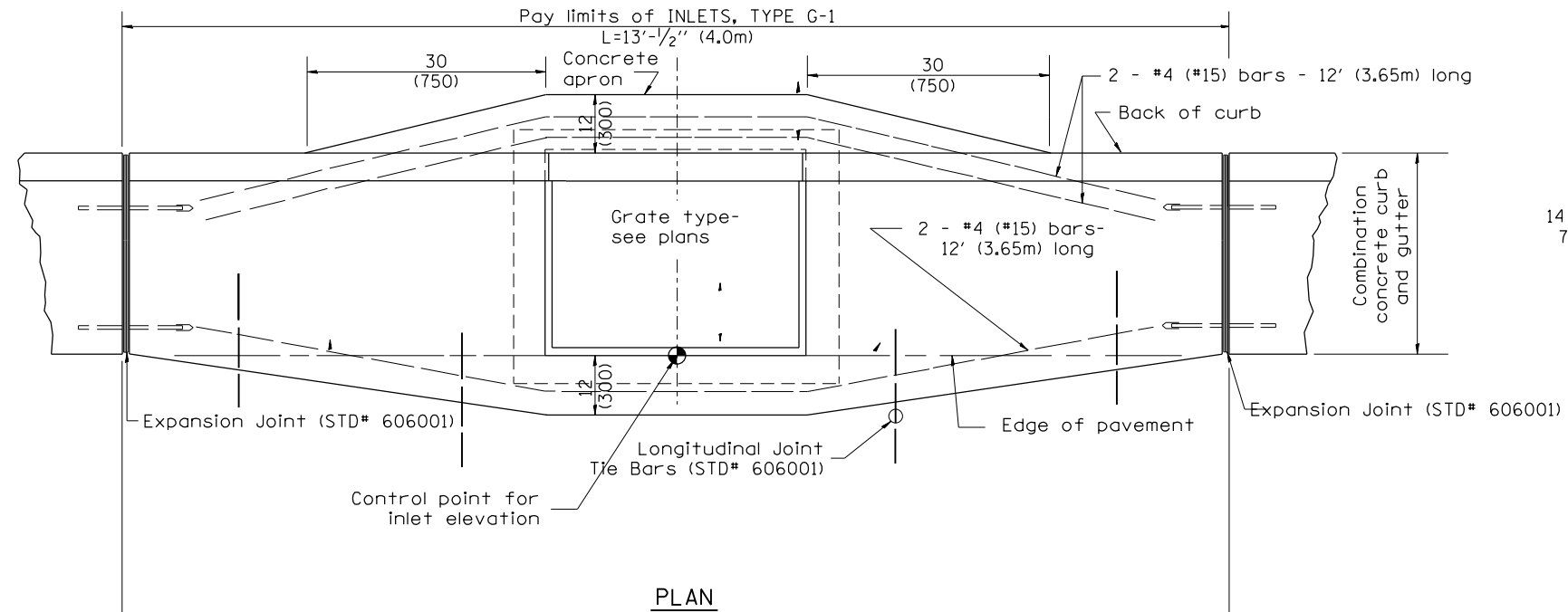
1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.
2. This work shall be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR and by the pound (kg) for REINFORCEMENT BARS.

QUANTITIES	
CALC. BY: R. J. D.	2-2-98
CHECKED BY: R. D. H.	2-6-98
	DATE:

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

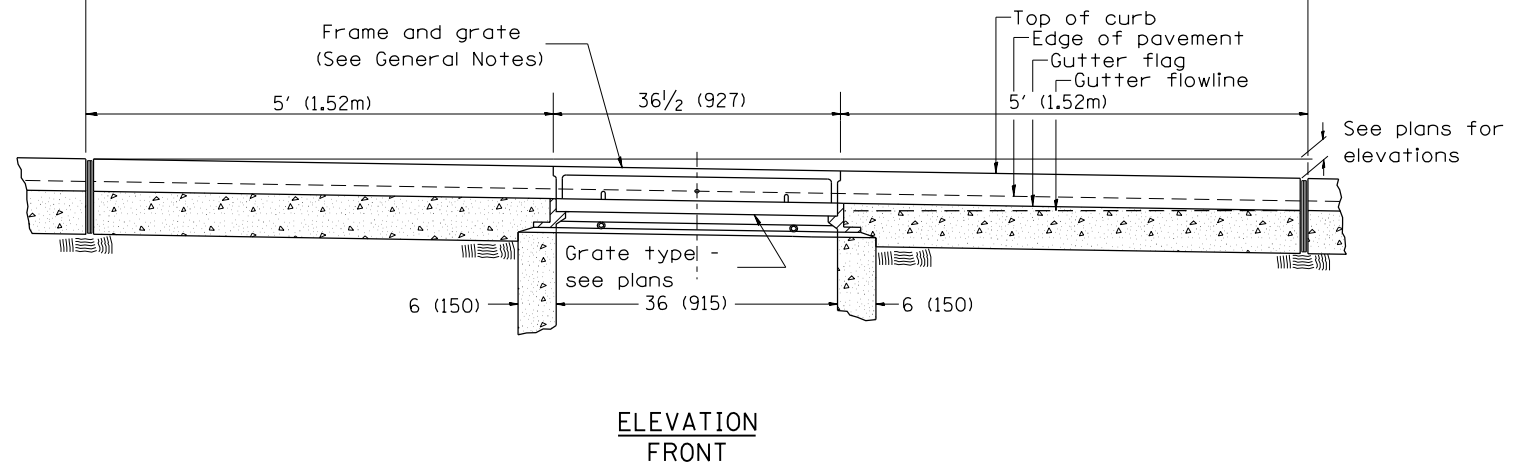
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. B-8.03, NEW REVISION BOX, REVISED	T.P.	09-01-00	CORRECT WEIGHT	J.A.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)	NOT TO SCALE	CADD STD. 542016-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TITLE BOX, ADDED QUANTITY CALCULATION BOX		10-16-06	REV. TO 2007 SPEC., CORRECT mm UNITS	M.A.								1361	653
04-01-97	CORRECT BAR	J.A.	2-15-11	ADDED GENERAL NOTE #2	R.D.					CONTRACT NO.				
02-10-98	REVISE QUANTITIES	J.A.								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb & Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

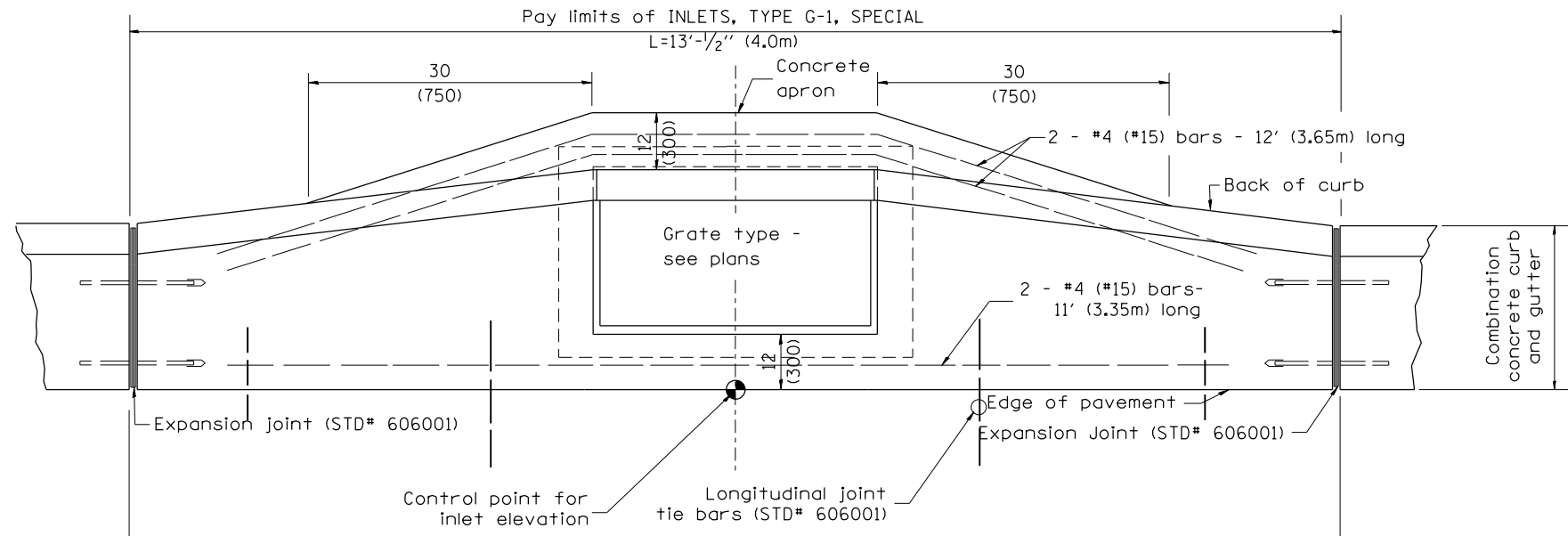


All dimensions are in inches (millimeters) unless otherwise noted.

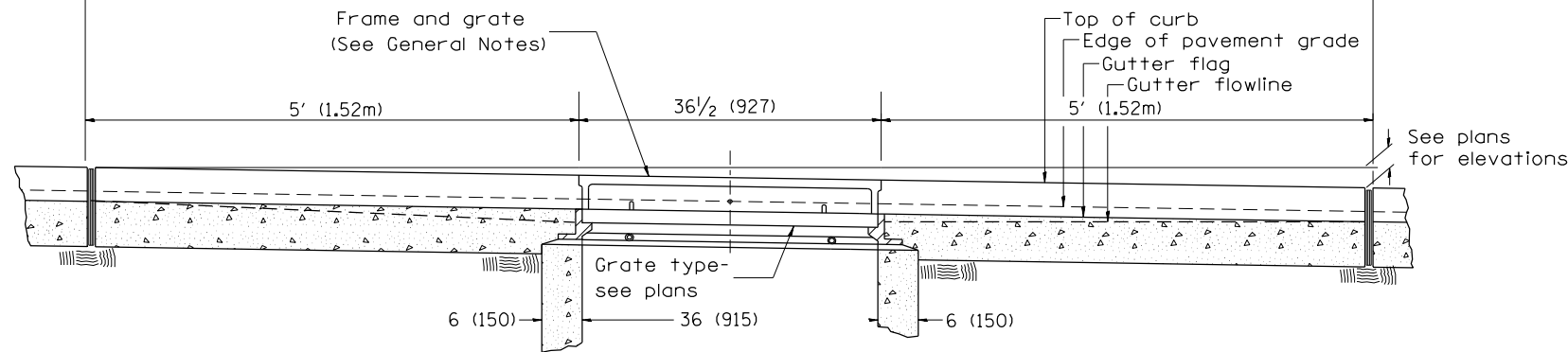
01-01-97	RENUM. B-4.01, NEW REVISION BOX	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INLETS, TYPE G-1	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
10-99	REVISION TO GENERAL NOTES	J.A.										1361	654
02-00	REVISION TO DESIGNER NOTES	J.A.										CONTRACT NO.	
10-16-06	REVISED TO 2007 SPEC.	M.A.										FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

NOT TO SCALE

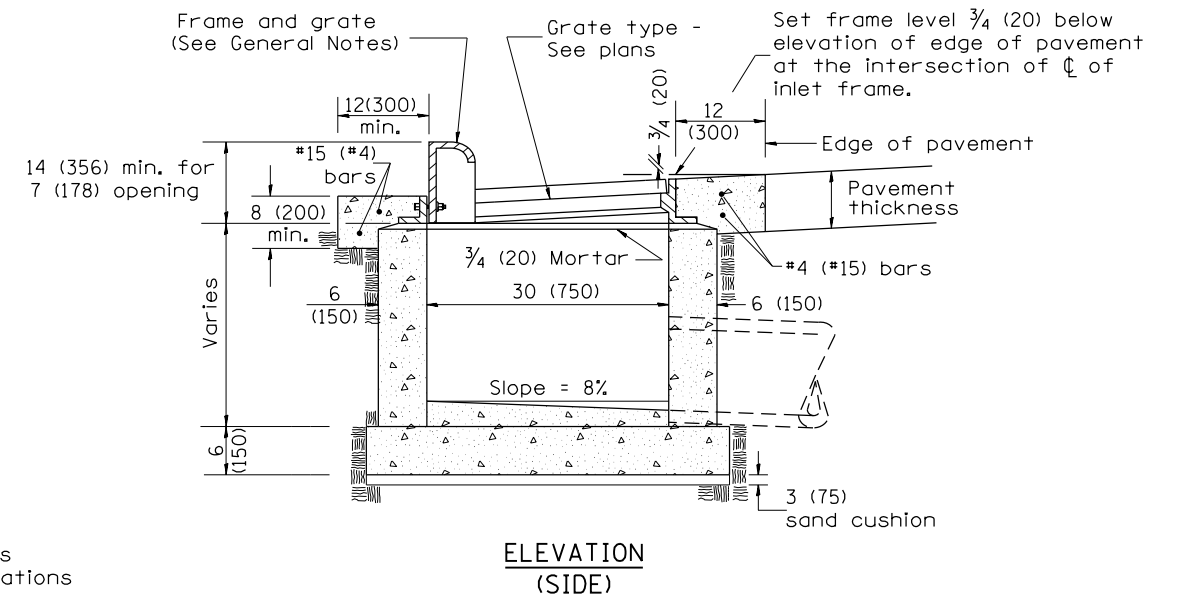
CADD STD. 602001-D4



PLAN



ELEVATION (FRONT)



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

01-01-97	RENUM. B-4.02, NEW REVISION BOX	
12-01-98	CORRECT E.O.P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

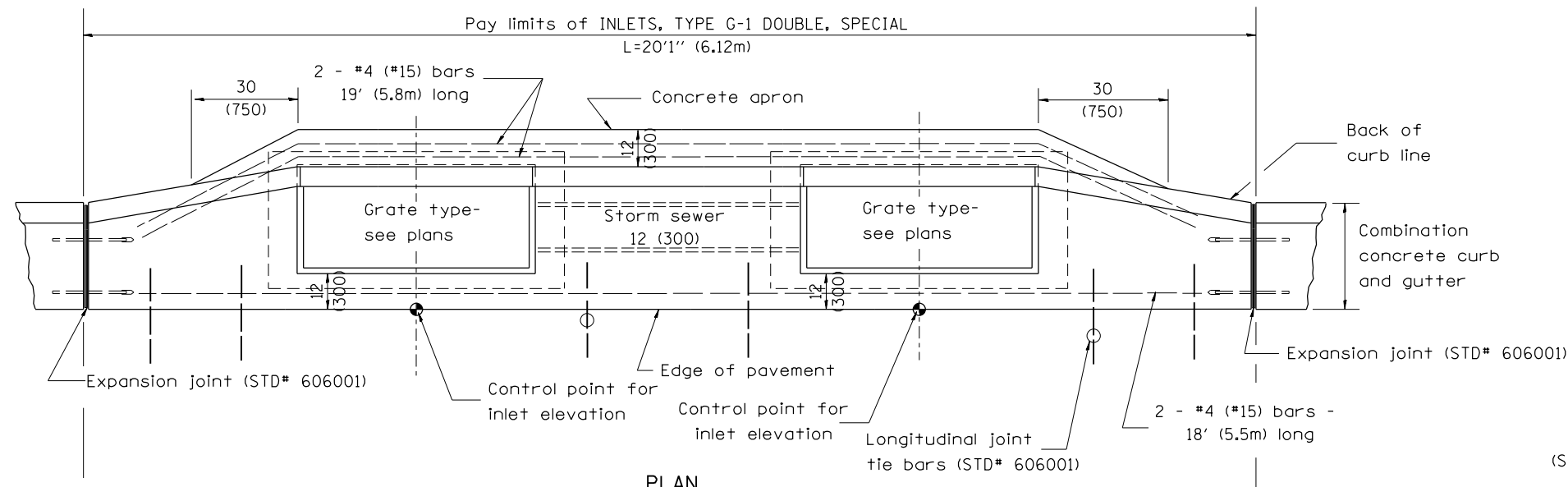
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INLETS, TYPE G-1, SPECIAL

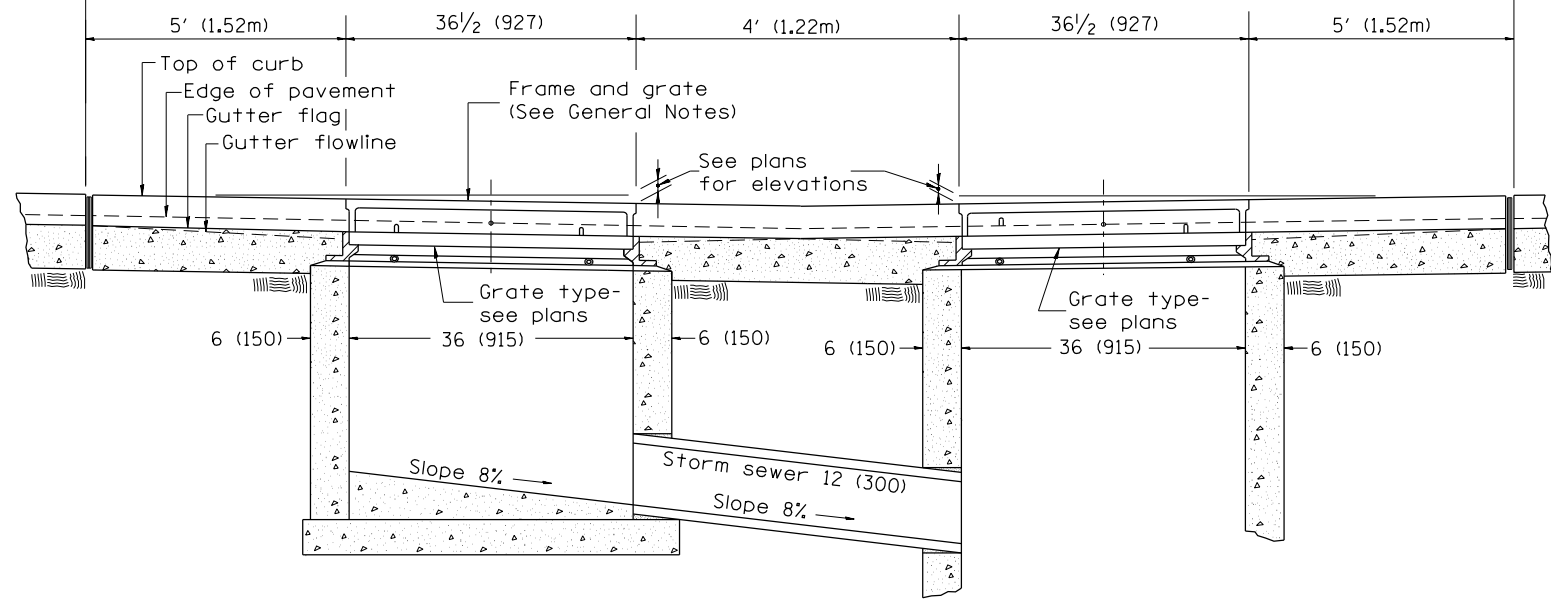
NOT TO SCALE

CADD STD. 602006-D4

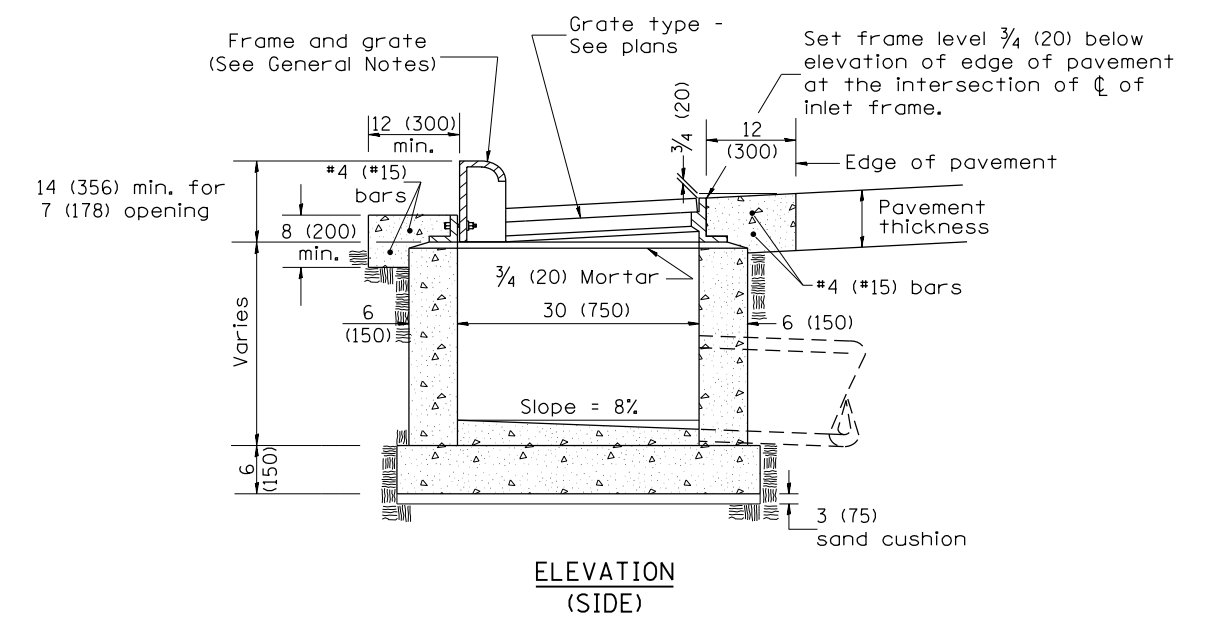
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	655
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN



FRONT ELEVATION



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb & Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

01-01-97	RENUM. B-4.04, NEW REVISION BOX	T.P.							
04-01-97	CORRECT DIMENSIONS	J.A.							
10-99	REVISION TO GENERAL NOTES	J.A.							
10-16-06	REVISED TO 2007 SPEC.	M.A.							

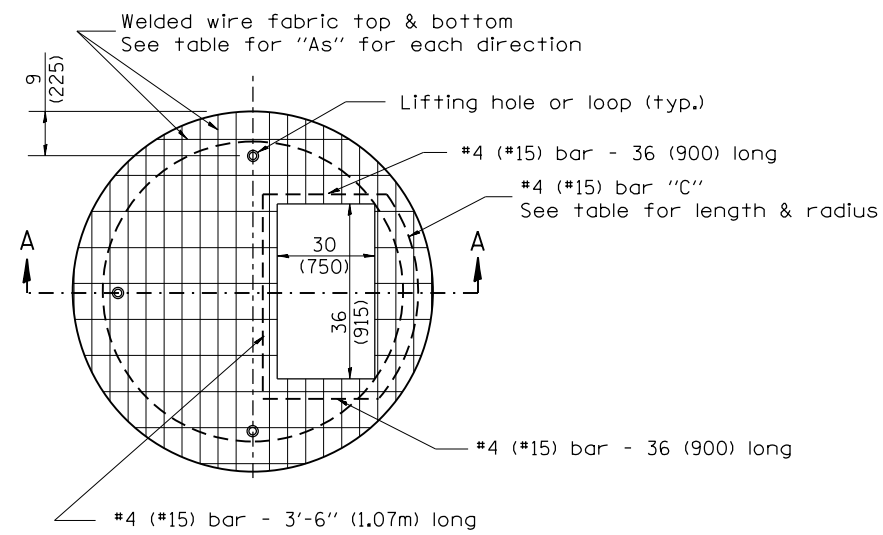
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INLETS, TYPE G-1 DOUBLE, SPECIAL

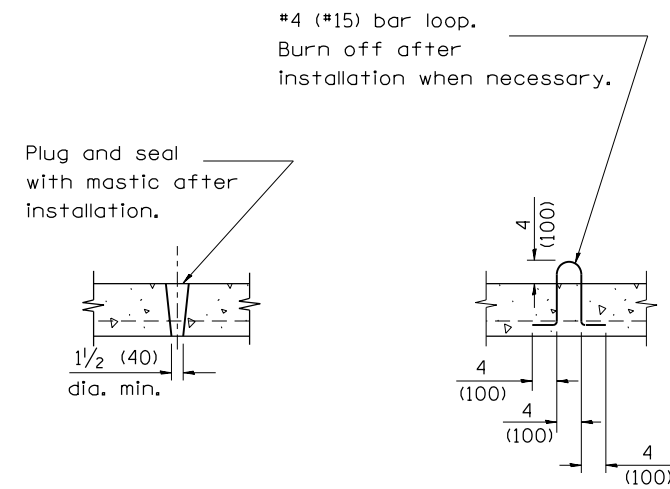
NOT TO SCALE

CADD STD. 602016-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	656
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

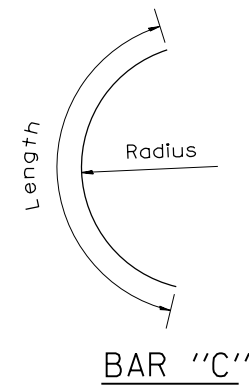


PLAN



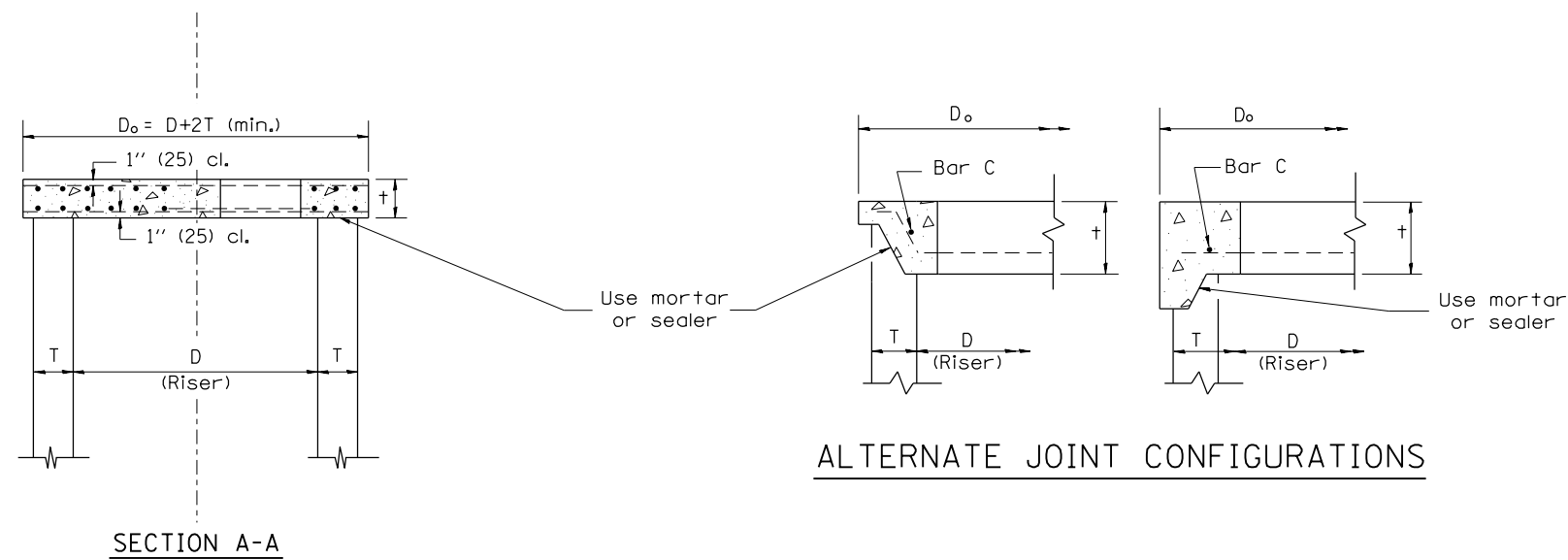
LIFTING HOLE OR LIFTING LOOP
TYPICAL

(3 required per slab)



TABLE

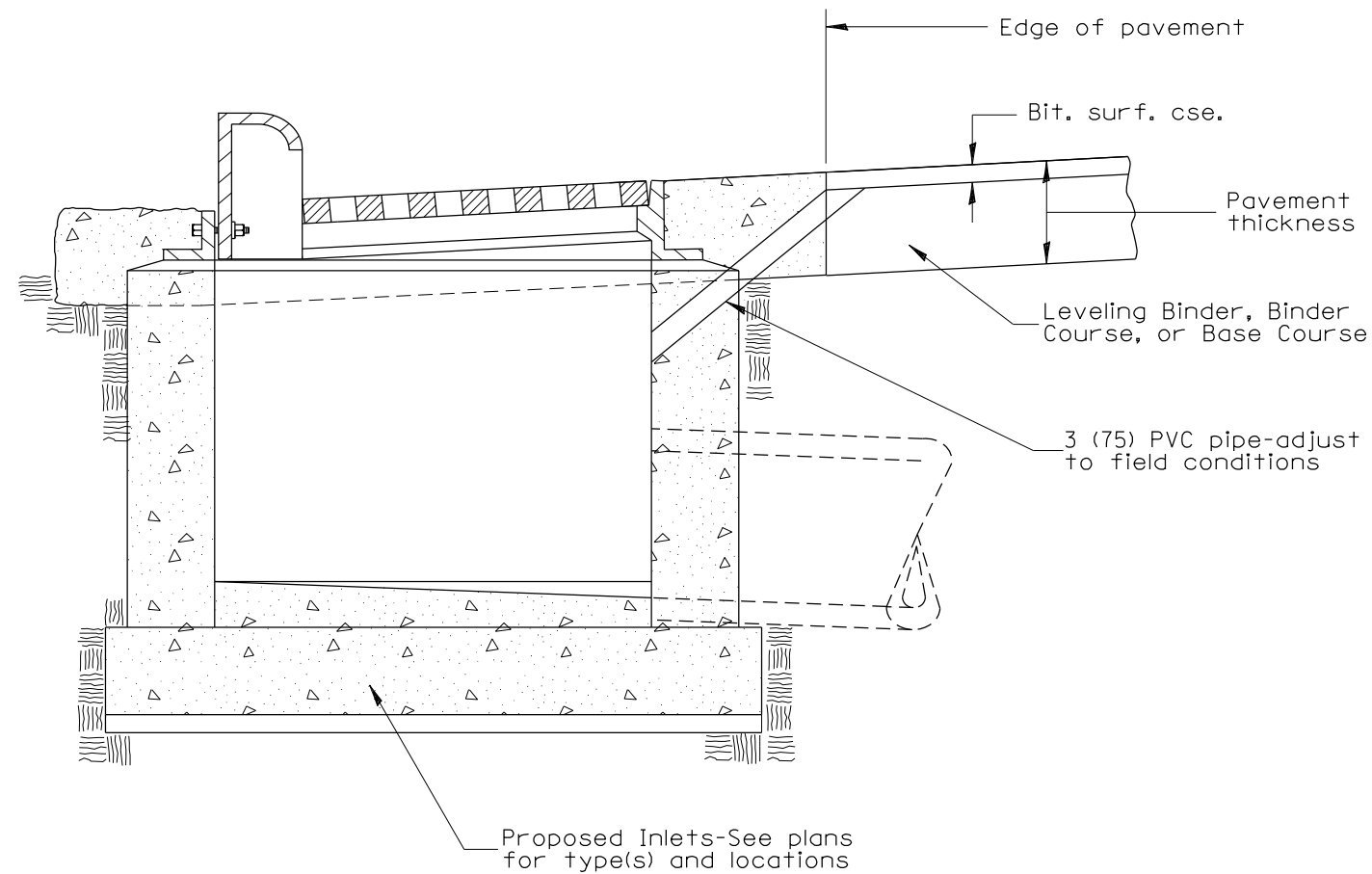
D	T	D _o (min.)	t	Reinforcement "As" W.W.F. each direction	Bar size	No. 15 (No. 4) Bar C	
						Length	Radius
4' (1.2m)	5 (125)	4'-10" (1.5m)	6 (150)	0.70 sq. inch/lin. ft. (1480mm ² /m)	No. 15 (No. 5)	1.35m (4'-6")	660 (26)
5' (1.5m)	6 (150)	6'-0" (1.8m)	8 (200)	0.70 sq. inch/lin. ft. (1480mm ² /m)	No. 15 (No. 5)	1.5m (5'-0")	810 (32)
6' (1.8m)	7 3/4 (195)	7'-3 1/2" (2.2m)	8 (200)	0.88 sq. inch/lin. ft. (1860mm ² /m)	No. 20 (No. 6)	1.8m (6'-0")	965 (38)
8' (2.4m)	9 (225)	9'-6" (2.9m)	10 (250)	0.88 sq. inch/lin. ft. (1860mm ² /m)	No. 20 (No. 6)	2.3m (7'-6")	1.27m (4'-2")



GENERAL NOTES

- The precast reinforced concrete flat slab top shall be used with INLET-MANHOLE, TYPE G-1 and INLET-MANHOLE, TYPE G-1, SPECIAL.
- Joint configuration and dimensions of flat slab top shall match and fit the riser joint detail.
- Lifting devices shall be approved by the Engineer.

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

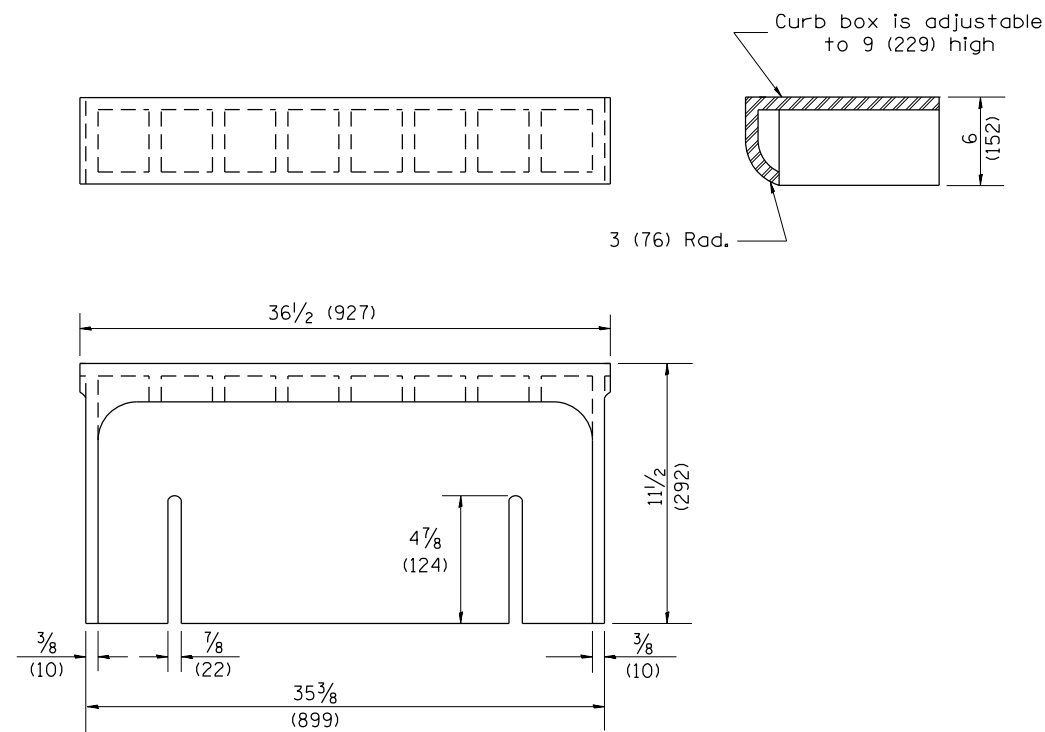


GENERAL NOTES:

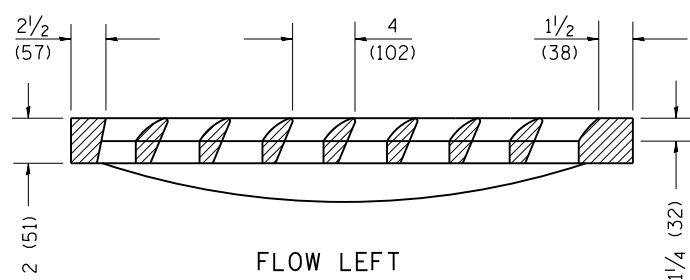
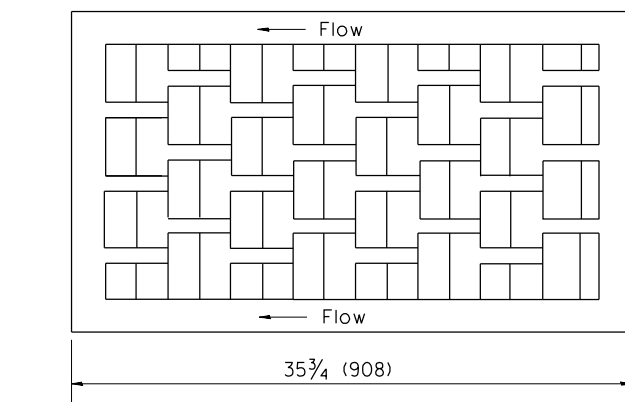
1. Temporary Drainage - This work consists of furnishing and installing a 3 (75) PVC pipe in the proposed inlet to facilitate drainage off the pavement prior to the placement of bituminous surface course.
2. Adequate pavement drainage shall be maintained during all phases of construction.
3. The PVC pipe is to be filled with mortar prior to surface course placement.
4. This detail applies to all inlet types.

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

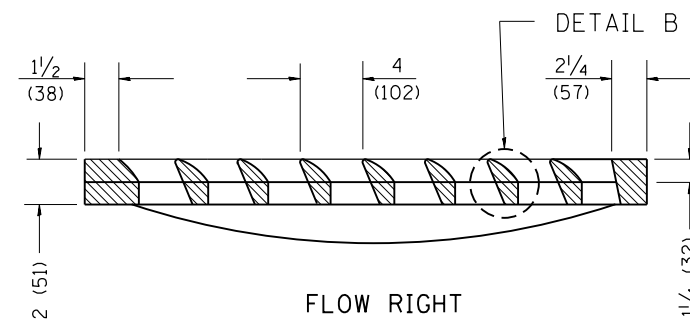
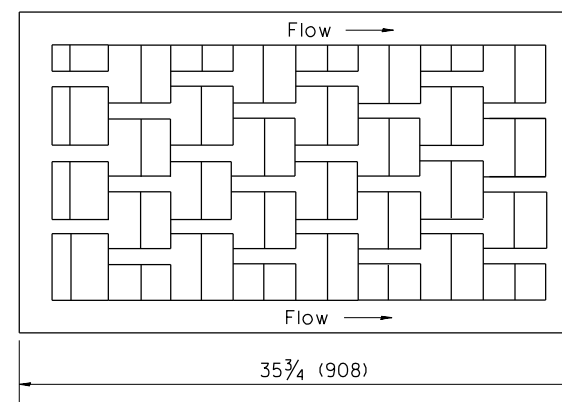
01-01-97	RENUM. B-4.11, NEW REVISION BOX	T.P.			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INLET DRAINAGE TREATMENT	NOT TO SCALE	CADD STD. 602401-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-01-98	CORRECT GENERAL NOTE	J.A.										1361	658
10-16-06	REVISED TO 2007 SPEC.	M.A.							CONTRACT NO.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



CAST CURB BOX
110 lbs. (50 kg)

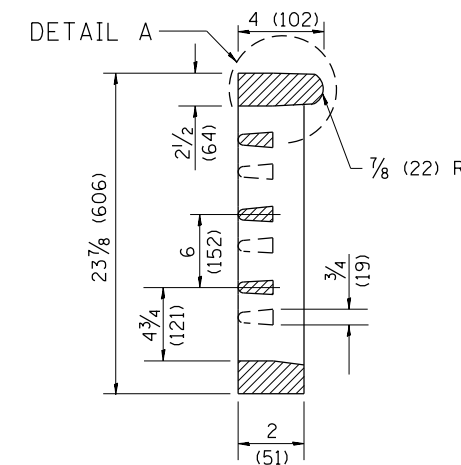


FLOW LEFT

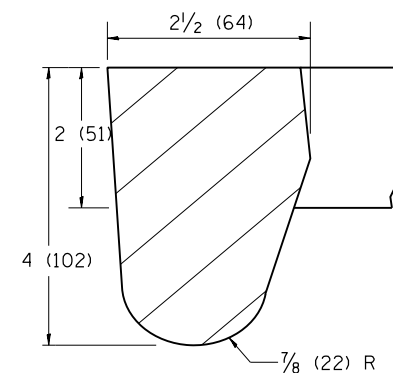


FLOW RIGHT

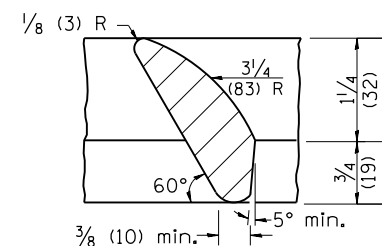
CAST VANE GRATES
(SPECIFY LEFT OR RIGHT FLOW)
230 lbs. (104 KG)



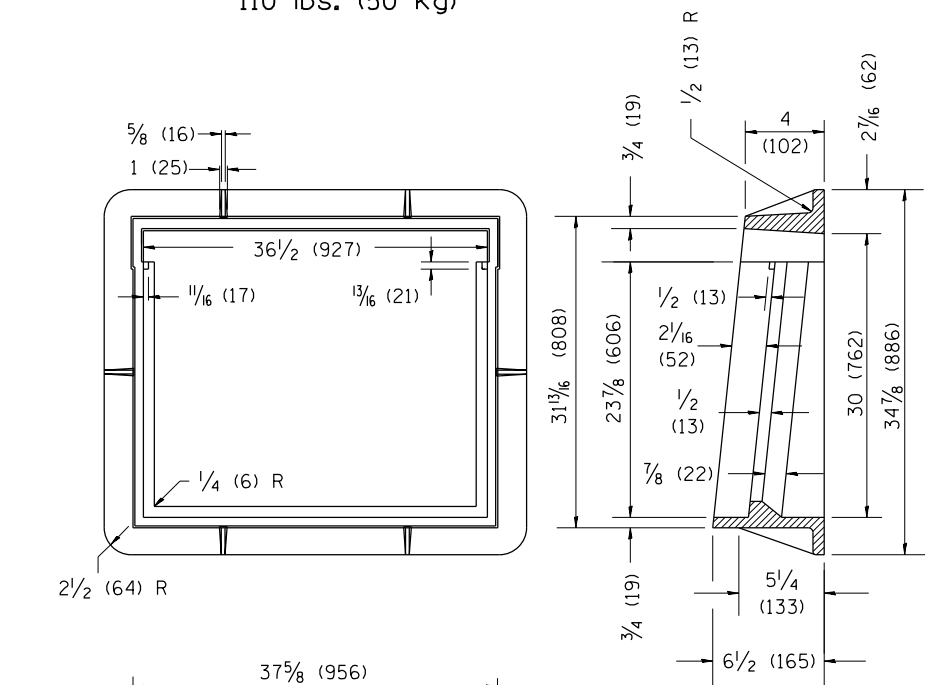
DETAIL A



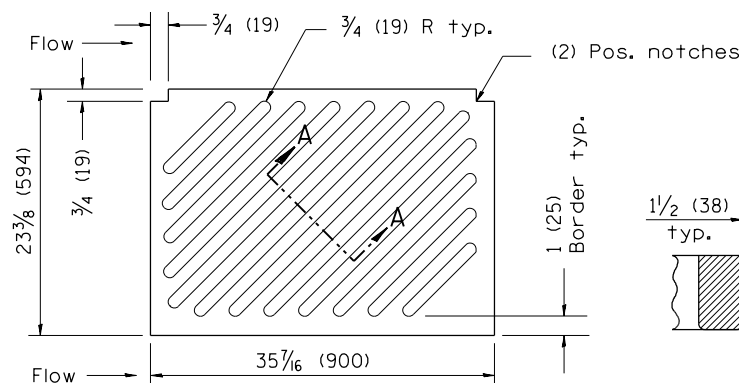
DETAIL A



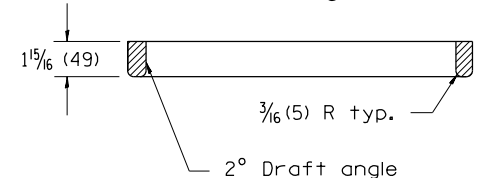
DETAIL B



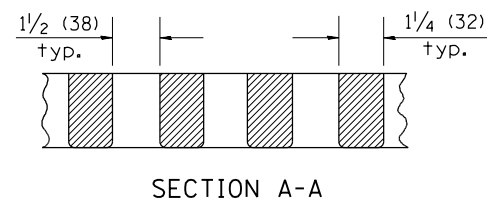
CAST FRAME
271 lbs. (123 kg)



NOTE: Flow right shown



CAST DIAGONAL GRATE
(Reversible for flow)
217 lbs. (98 kg)



SECTION A-A

GENERAL NOTES

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.

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

01-01-97	RENUM. B-10.01, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

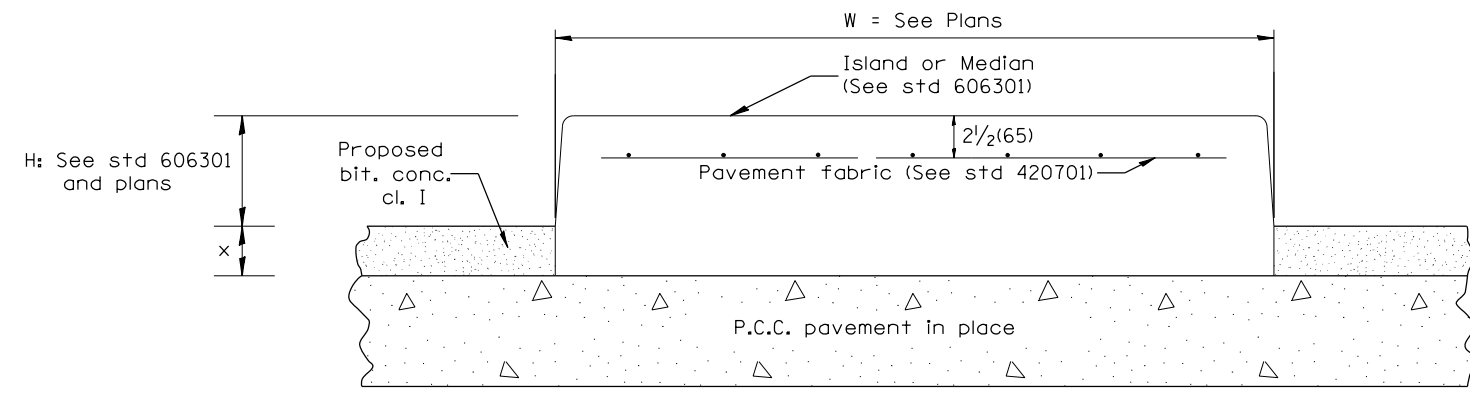
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAME & GRATES FOR TYPE G-1 AND TYPE G-1,
SPECIAL DRAINAGE STRUCTURES

NOT TO SCALE

CADD STD. 604001-D4

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	659
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



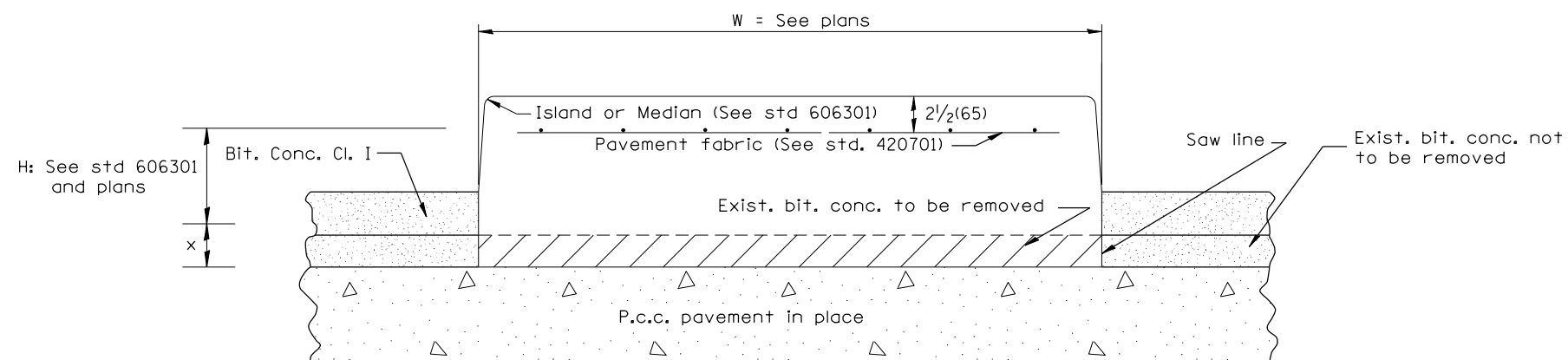
P.C.C. PAVEMENT

LEGEND

- X = thickness of proposed overlay (see plans)
- H = height of island or median (see std 606301 and plans)
- W = width of island or median (see plans)

GENERAL NOTES:

1. This work shall consist of constructing P.C. concrete Islands and medians of variable width as shown on the plans and in accordance to the applicable portions of section 606 of the Standard Specifications and Standard 606301.

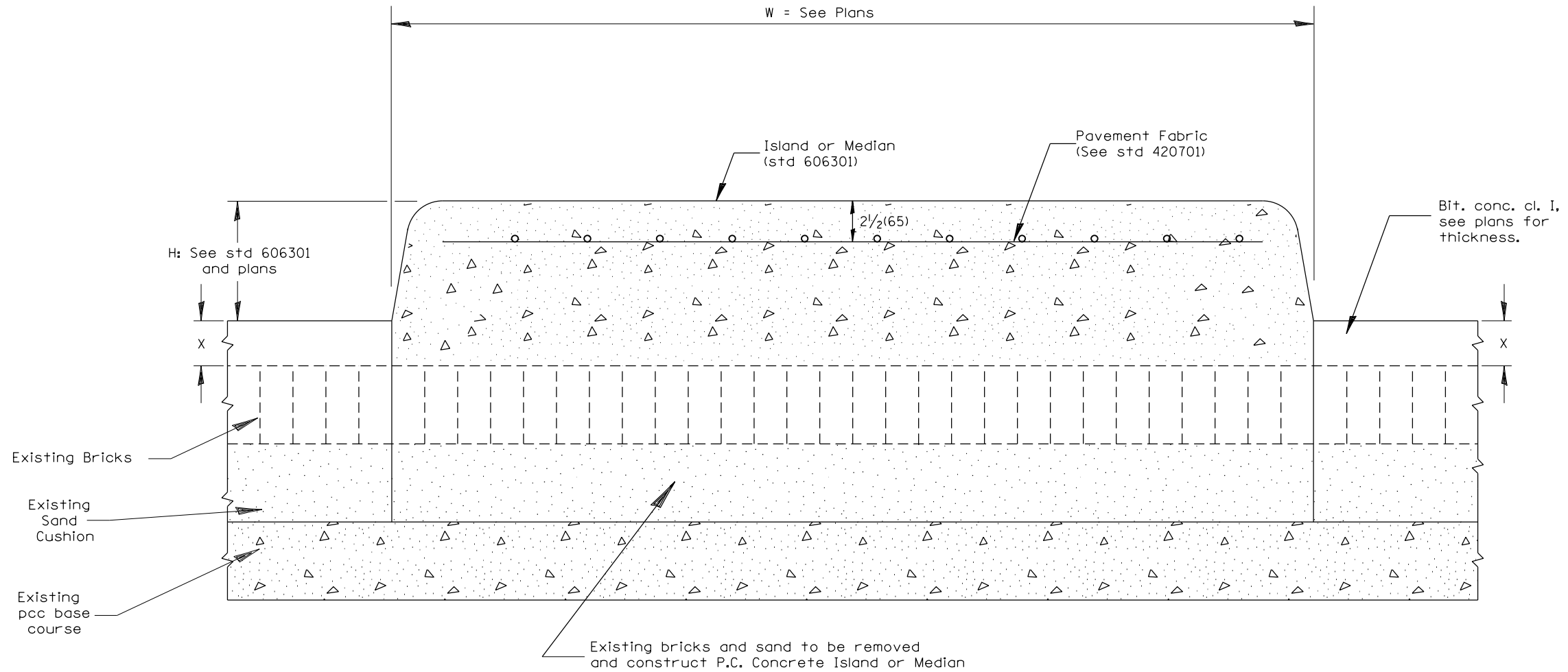


PREVIOUSLY RESURFACED P.C.C. PAVEMENT

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

01-01-97	RENUM. A-7.05, & A-7.07, NEW REVISION BOX, NEW FORMAT, REVISED TITLE BOX, REVISED NOTES	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	P.C. CONCRETE ISLANDS AND MEDIANS (CONSTRUCTED ON TOP OF EXISTING PAVEMENT)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
10-16-06	REVISED TO 2007 SPEC.	M.A.										1361	660
NOT TO SCALE											SHT. 1 OF 2 CADD STD. 606301-D4		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO.



BRICK PAVEMENT

LEGEND

X = thickness of proposed overlay (see plans)

H = height of island or median
(see std 606301 and plans)

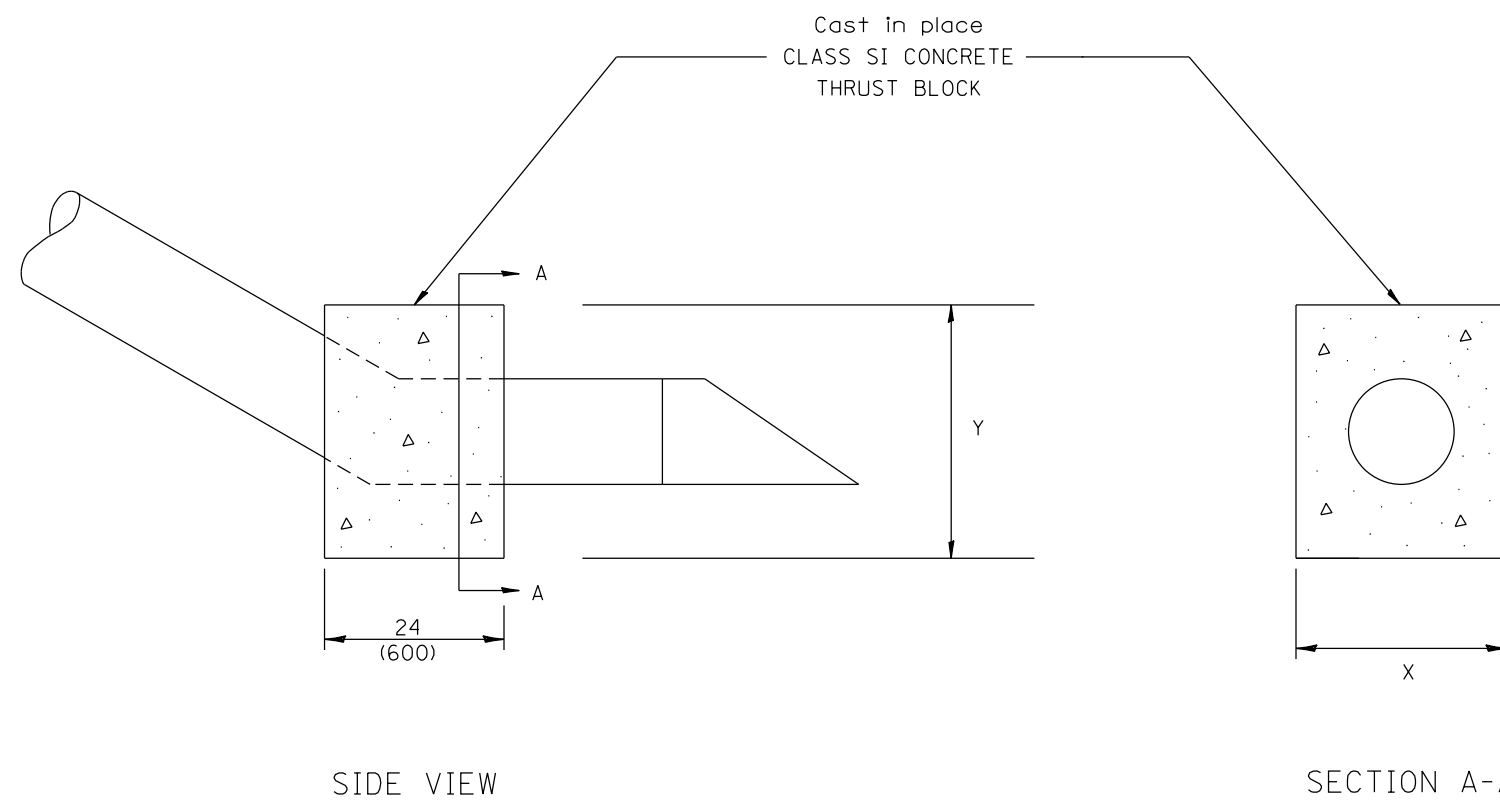
W = width of island or median
(see plans)

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				P.C. CONCRETE ISLANDS AND MEDIANS (CONSTRUCTED ON TOP OF EXISTING PAVEMENT)				F.A. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
								NOT TO SCALE		SHT. 2 OF 2		CONTRACT NO.		1361		661	
								FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT					

CONCRETE THRUST BLOCK BILL OF MATERIALS

PIPE SIZE	X	Y	CLASS SI CONCRETE cu. yd. (m ³)
12(300)	24(600)	24(600)	0.2(0.2)
15(375)	27(675)	27(675)	0.3(0.2)
18(450)	30(750)	30(750)	0.3(0.2)
24(600)	36(900)	36(900)	0.4(0.3)
30(750)	3'-6" (1.07m)	3'-6" (1.07m)	0.8(0.6)



The contract unit price each for CONCRETE THRUST BLOCK shall include the cost of excavation, CLASS SI CONCRETE and compacted backfill.

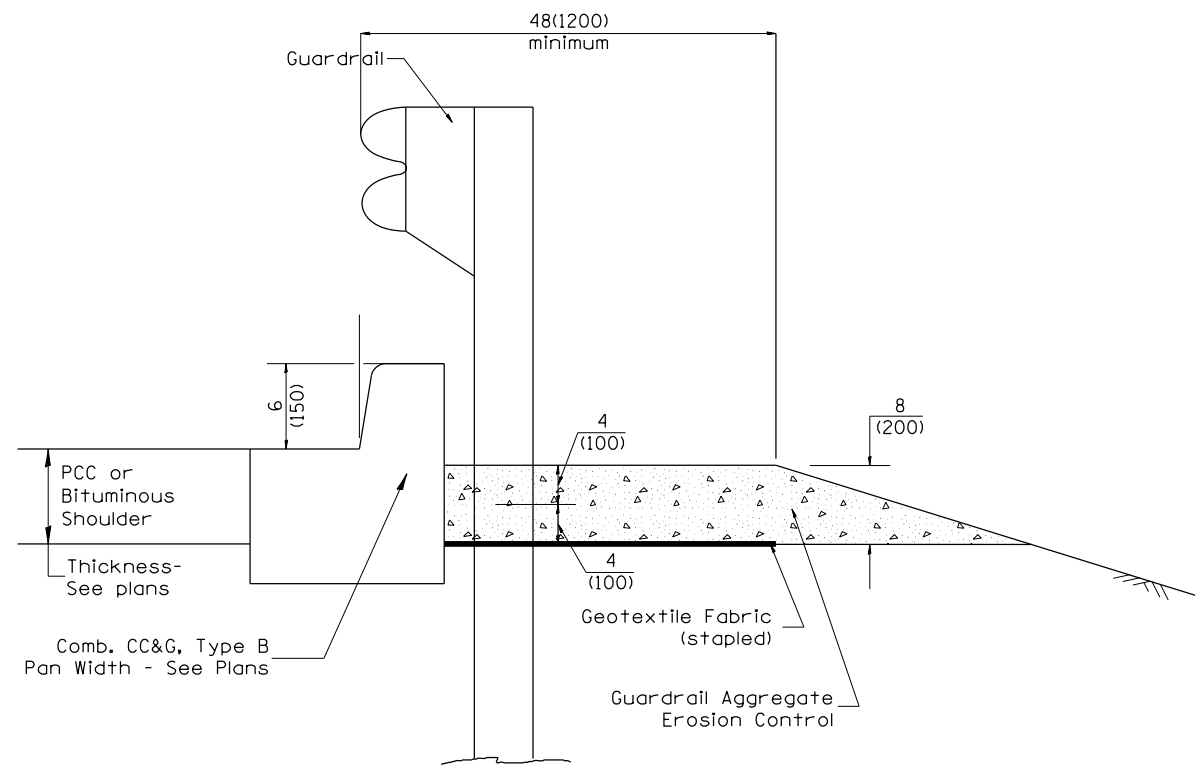
QUANTITIES	
CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

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

01-01-97	RENUM. J-10.04, NEW REVISION BOX, ADDED QUANTITY	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE THRUST BLOCKS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	CALCULATION BOX												1361	662
10-16-06	REVISED TO 2007 SPEC.	M.A.											CONTRACT NO.	
								FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				

NOT TO SCALE

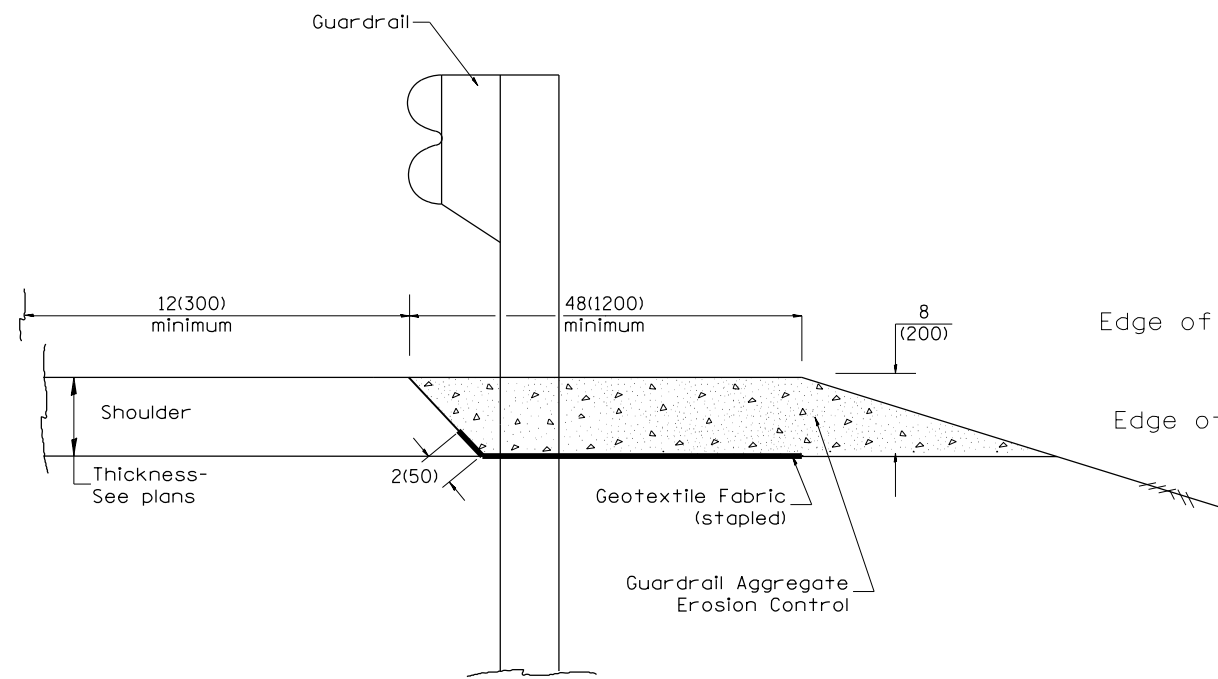
CADD STD. 609001-D4



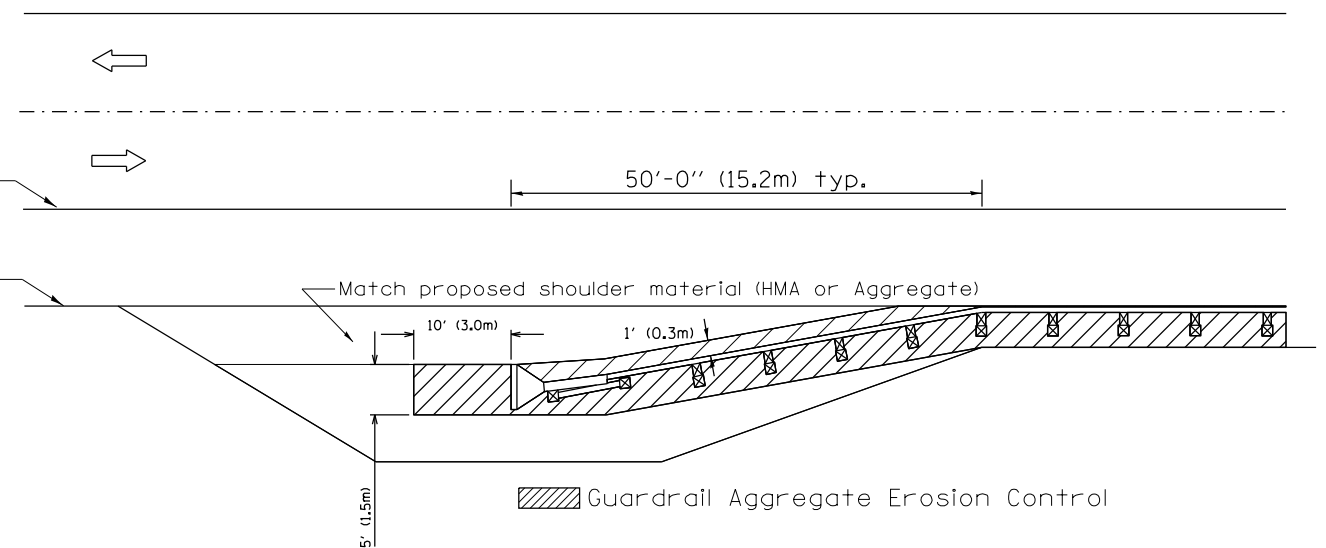
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



TYPICAL SECTION WITHOUT EROSION CONTROL CURB



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

03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.			
07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.			
01-26-17	REVISED	R.D.			

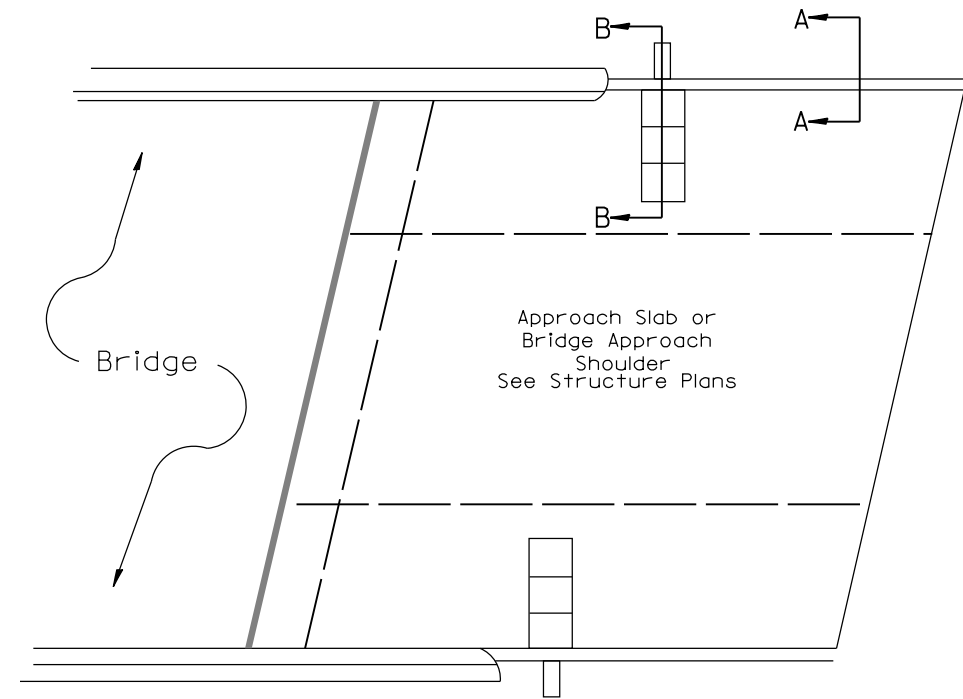
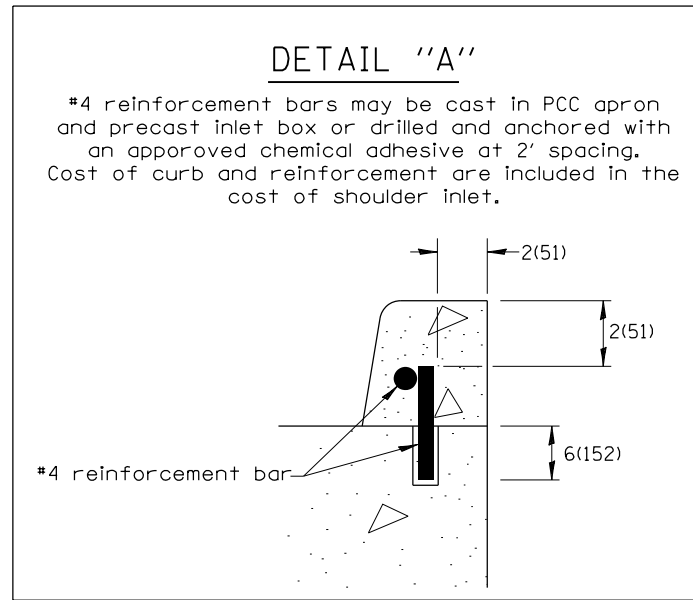
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

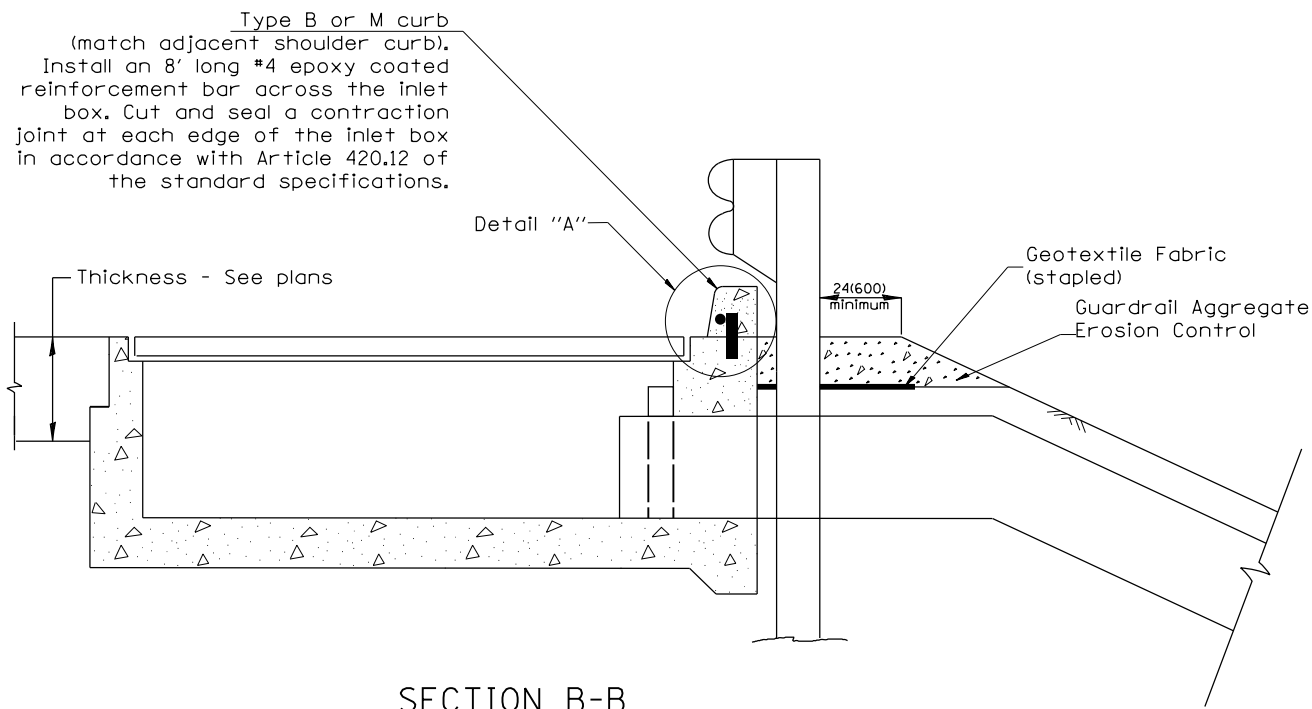
GUARDRAIL EROSION CONTROL TREATMENTS

SHT. 1 OF 2
CADD STD. 630101-D4

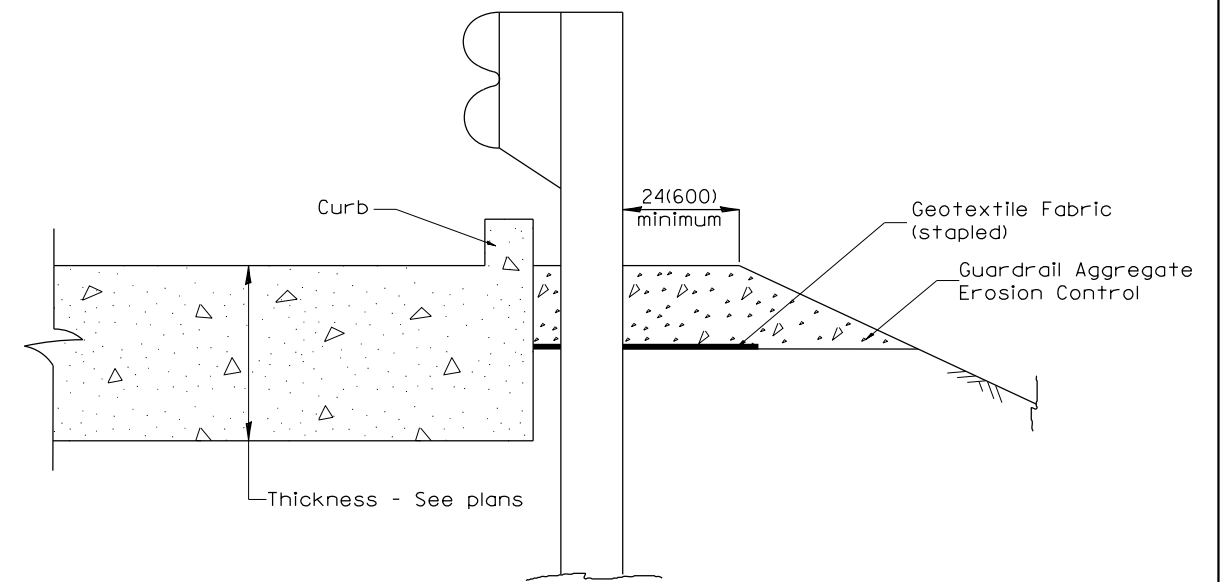
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	663
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



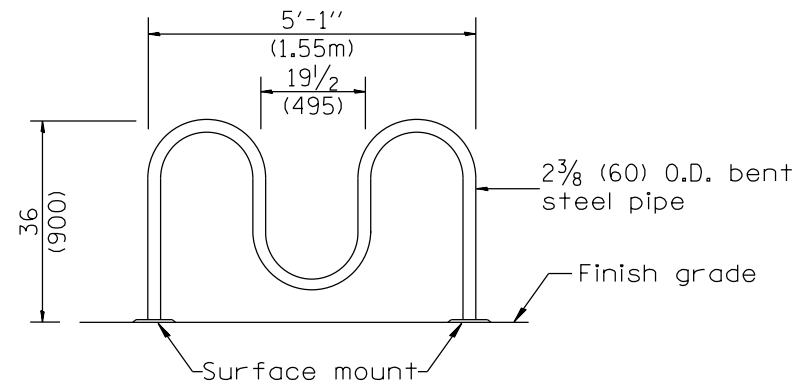
SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



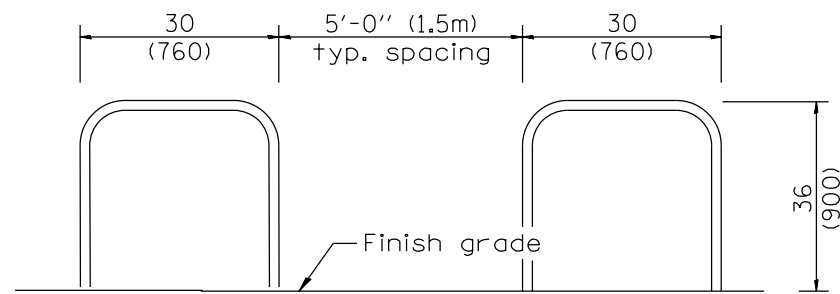
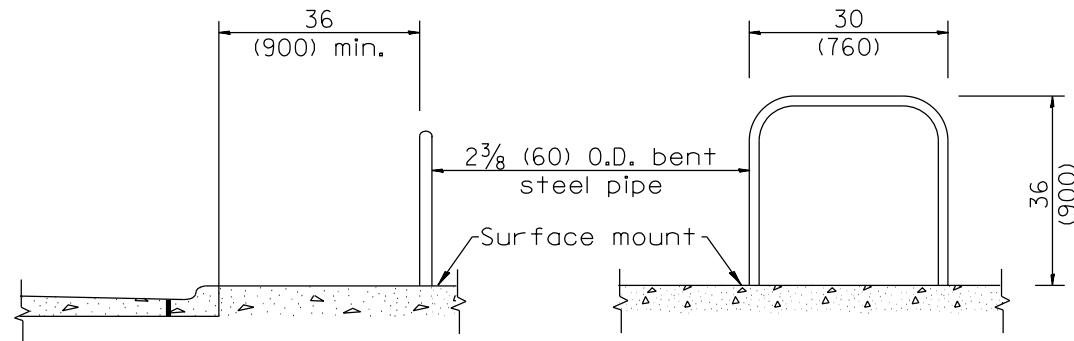
SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

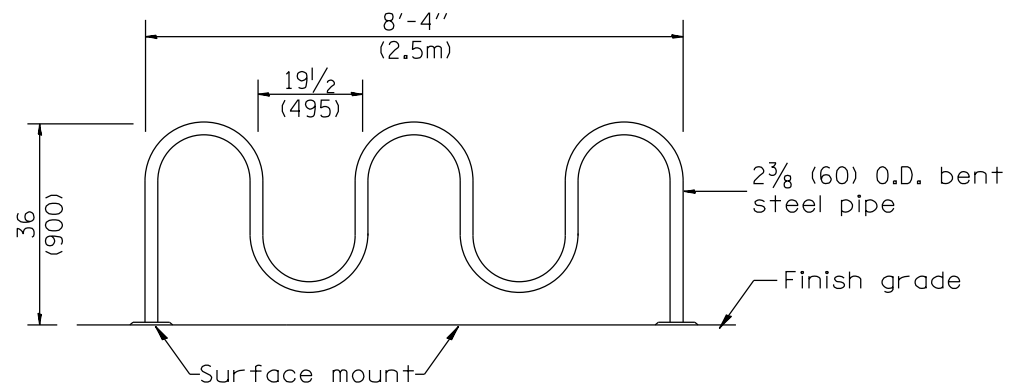
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				GUARDRAIL EROSION CONTROL TREATMENTS				TOTAL SHEETS 1361	SHEET NO. 664
NOT TO SCALE				SHT. 2 OF 2 CADD STD. 630101-D4				CONTRACT NO.	
F.A. RTE.		SECTION		COUNTY		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



TYPE A₃ BICYCLE RACK ELEVATION

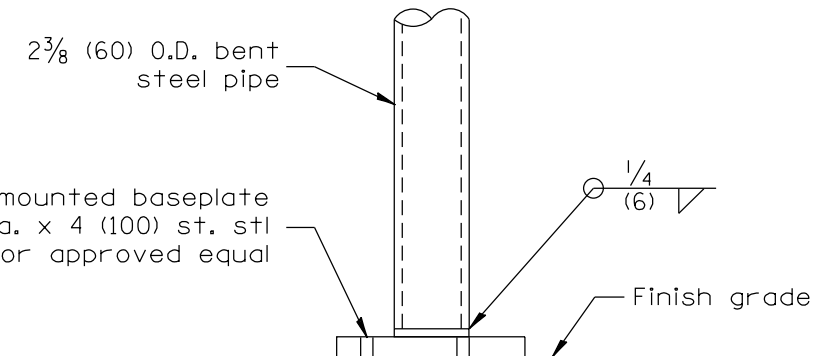
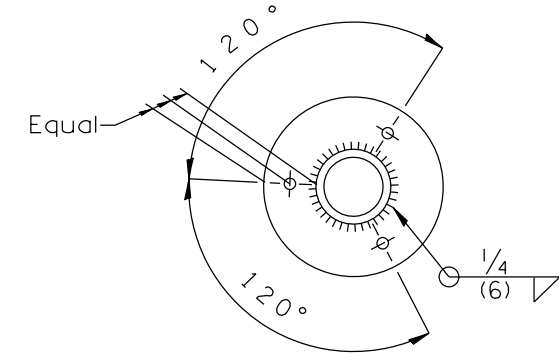


TYPE B BICYCLE RACK



TYPE A₅ BICYCLE RACK ELEVATION

7 1/2 (190) dia. x 1/2 (13) thick base plate



SURFACE MOUNT DETAIL

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

01-01-97	RENUM. L-5.07, NEW REVISION BOX, REVISED	T.P.			
	TITLE BOX				
10-16-06	REVISED TO 2007 SPEC.	M.A.			
8-8-12	UPDATED NOTES	R.D.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BICYCLE RACK

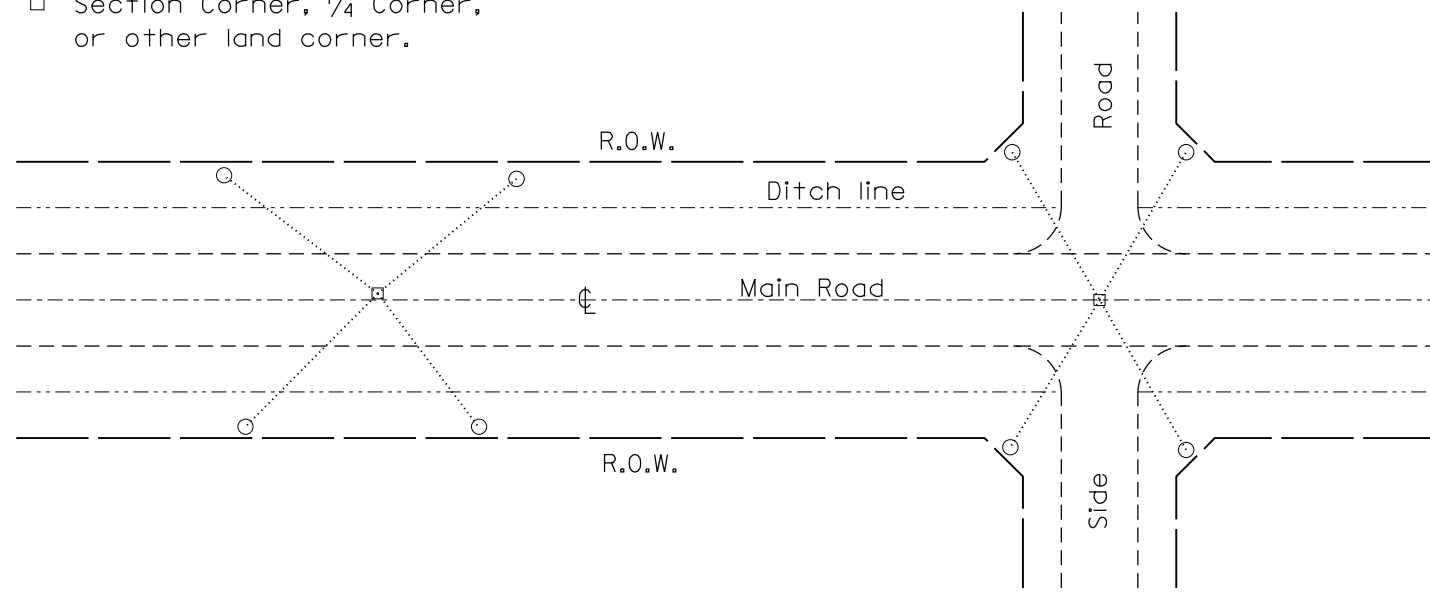
NOT TO SCALE

CADD STD. 660201-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	665
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PERMANENT SURVEY TIES

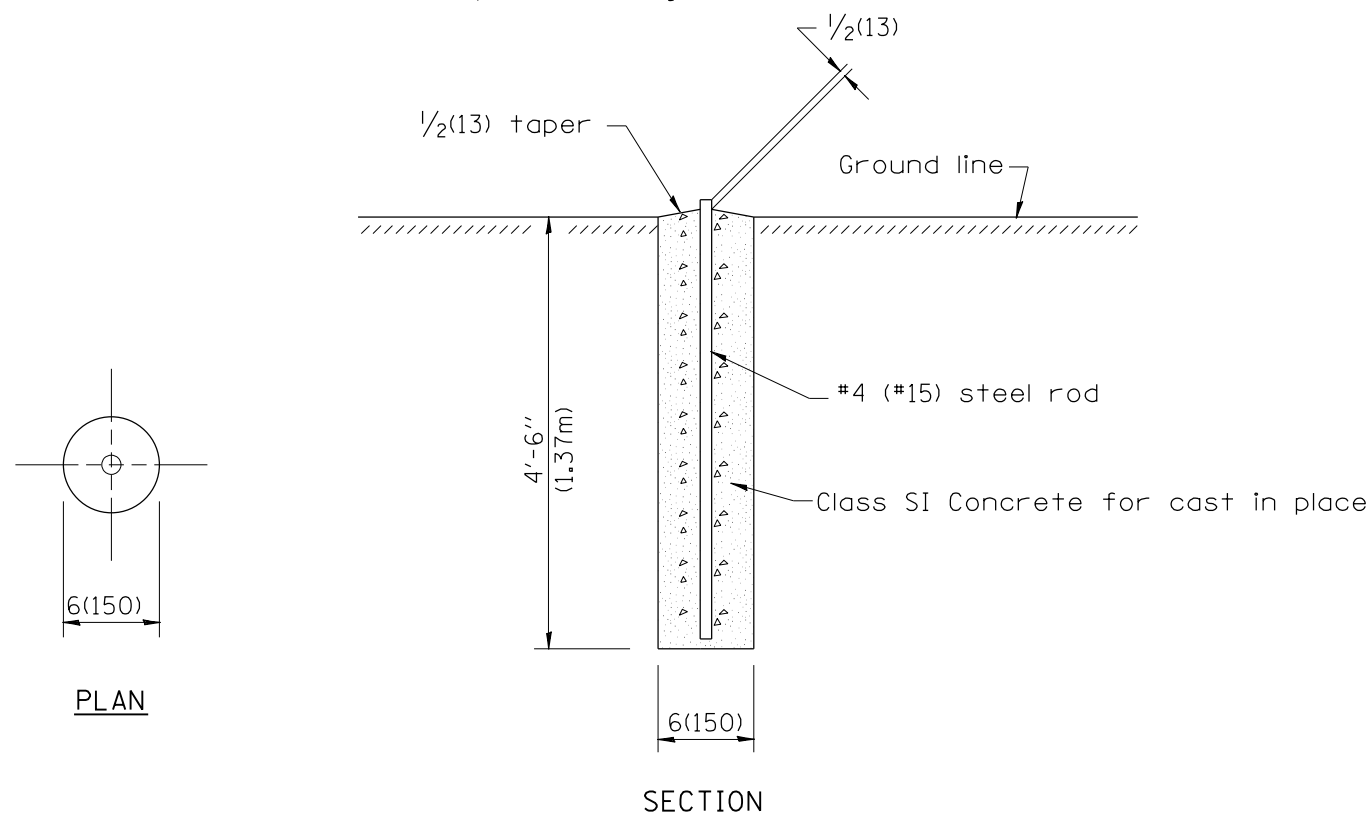
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



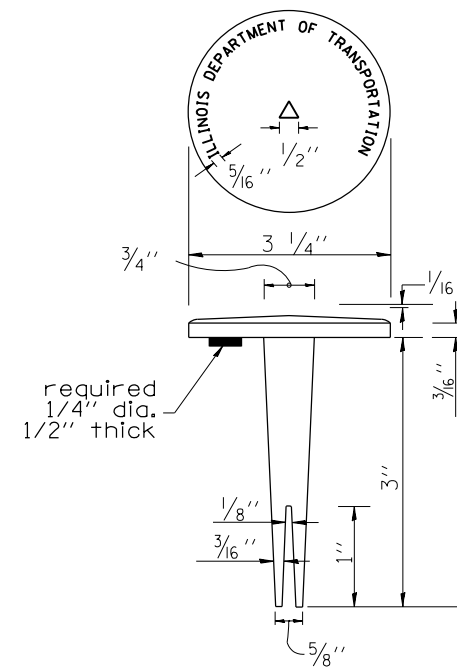
TYPICAL APPLICATION

GENERAL NOTES

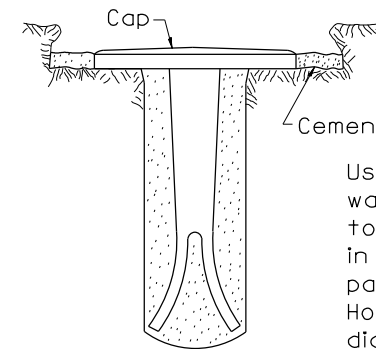
1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS



PERMANENT SURVEY MARKERS



BRASS TABLET

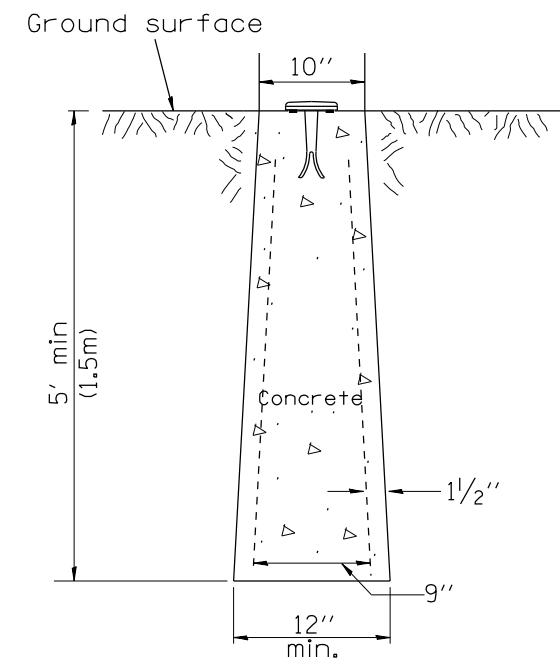


Tablet constructed in rock ledge or concrete.

TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



**TYPE II
CAST-IN-PLACE MARKER**

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

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.	08-21-13	CHANGED MIN. DIAMETER	R.D.
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.	08-25-15	REVISED MATERIAL	R.D.

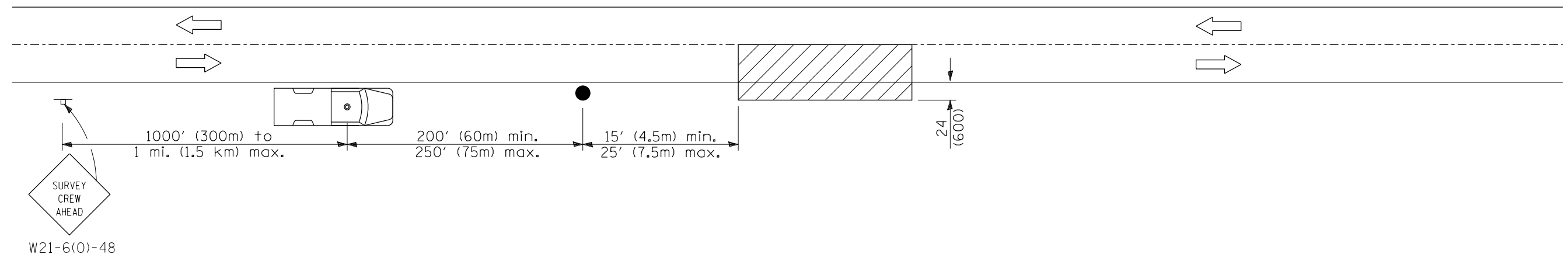
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II**

CADD STD. 667101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	666
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SYMBOLS



Work area



Sign on portable or permanent support



Truck with flashing amber light and dual emergency flashers

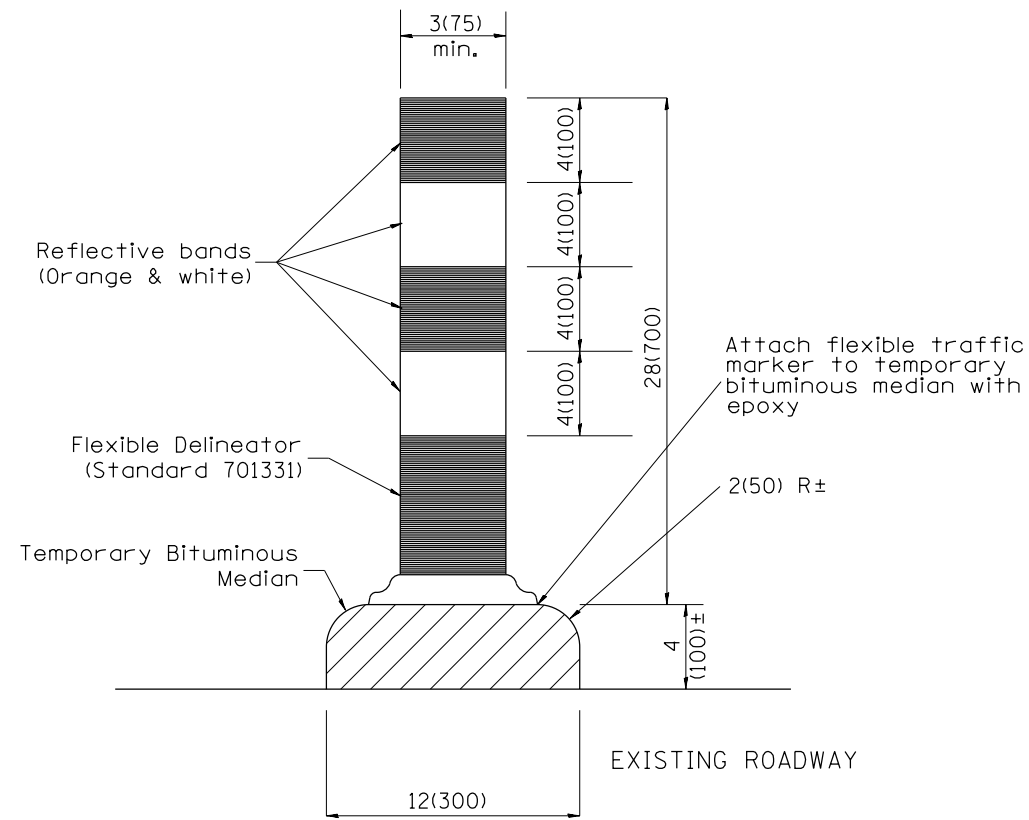


Flagger with traffic control sign

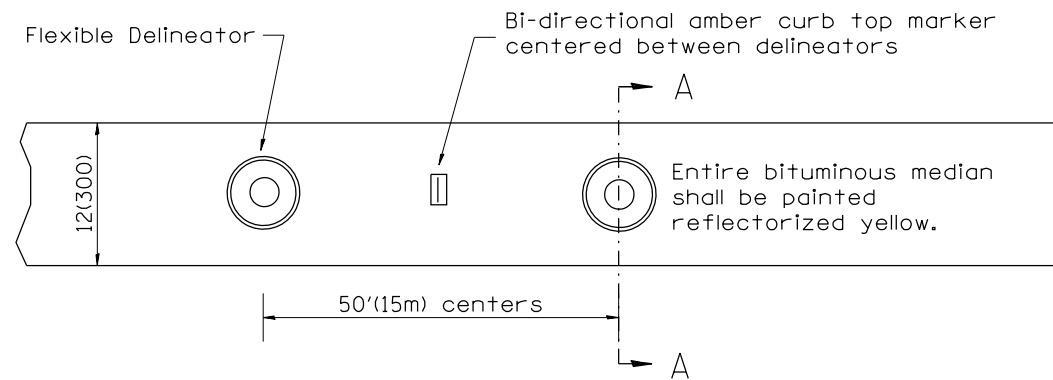
TYPICAL APPLICATIONS
Utility operations

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

01-01-97	RENUM. E-3.04, METRICS, NEW REVISION BOX, REVISED	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NIGHTTIME LIGHTING INSPECTION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	TITLE BOX											1361	667
10-16-06	REVISED TO 2007 SPEC.	M.A.										CONTRACT NO.	
							NOT TO SCALE	CADD STD. 701301-D4		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



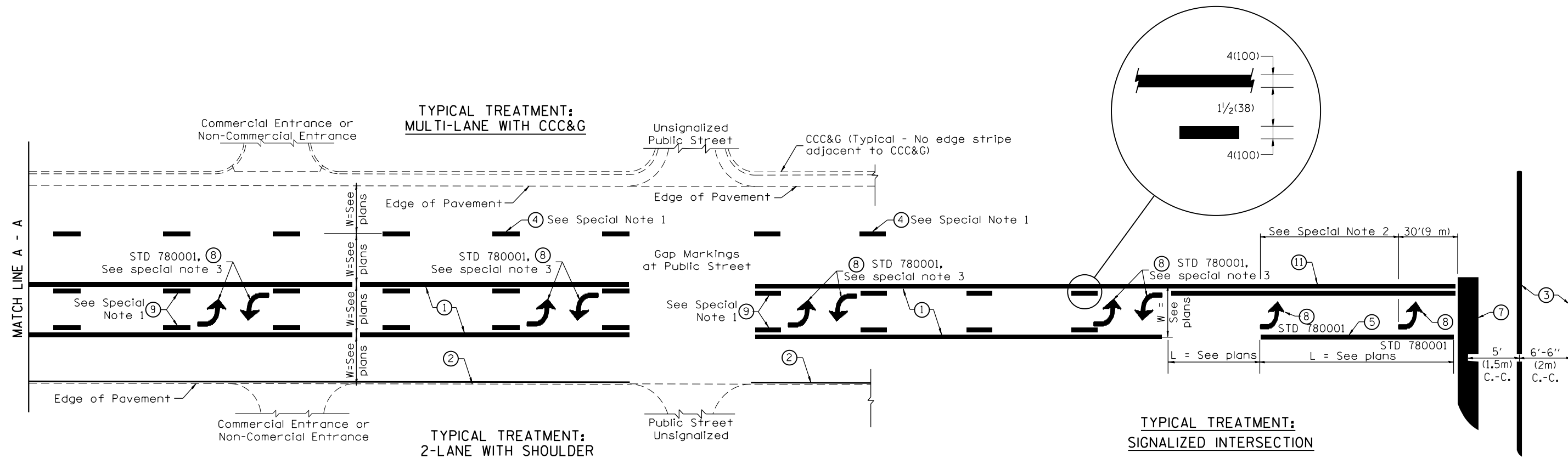
SECTION A-A



PLAN

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

01-01-97	RENUM. F-6.02, NEW REVISION BOX	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY BITUMINOUS MEDIAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-16-06	REVISED TO 2007 SPEC.	M.A.										1361
								CONTRACT NO.				
						NOT TO SCALE	CADD STD. 702001-D4	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

SPECIAL NOTES

- Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- The following shall apply to arrows located in one-way left turn lanes:
 - A minimum of two (2) arrows is required.
 - The maximum spacing between arrows is 80' (24 m).
 - Arrows shall be evenly spaced if three (3) or more are required.
- The following shall apply to arrow pairs located in two-way left turn lanes:
 - A minimum of two (2) arrow pairs is required.
 - The maximum spacing between arrow pairs is 200' (61 m).
 - Arrow pairs shall be evenly spaced if three (3) or more are required.
 - The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
- Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
- Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

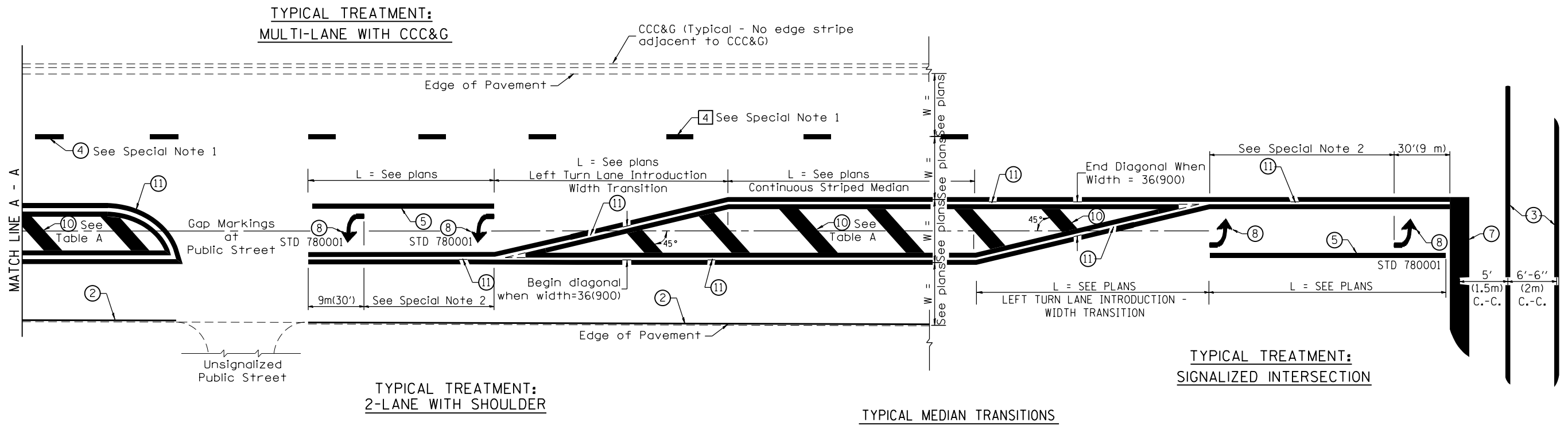
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

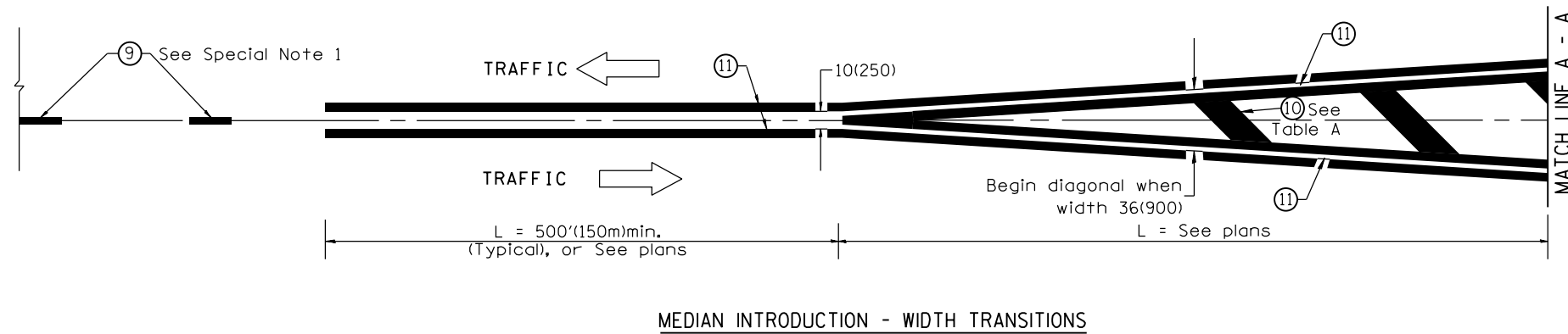
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1361	670
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



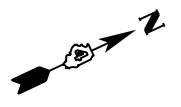
FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

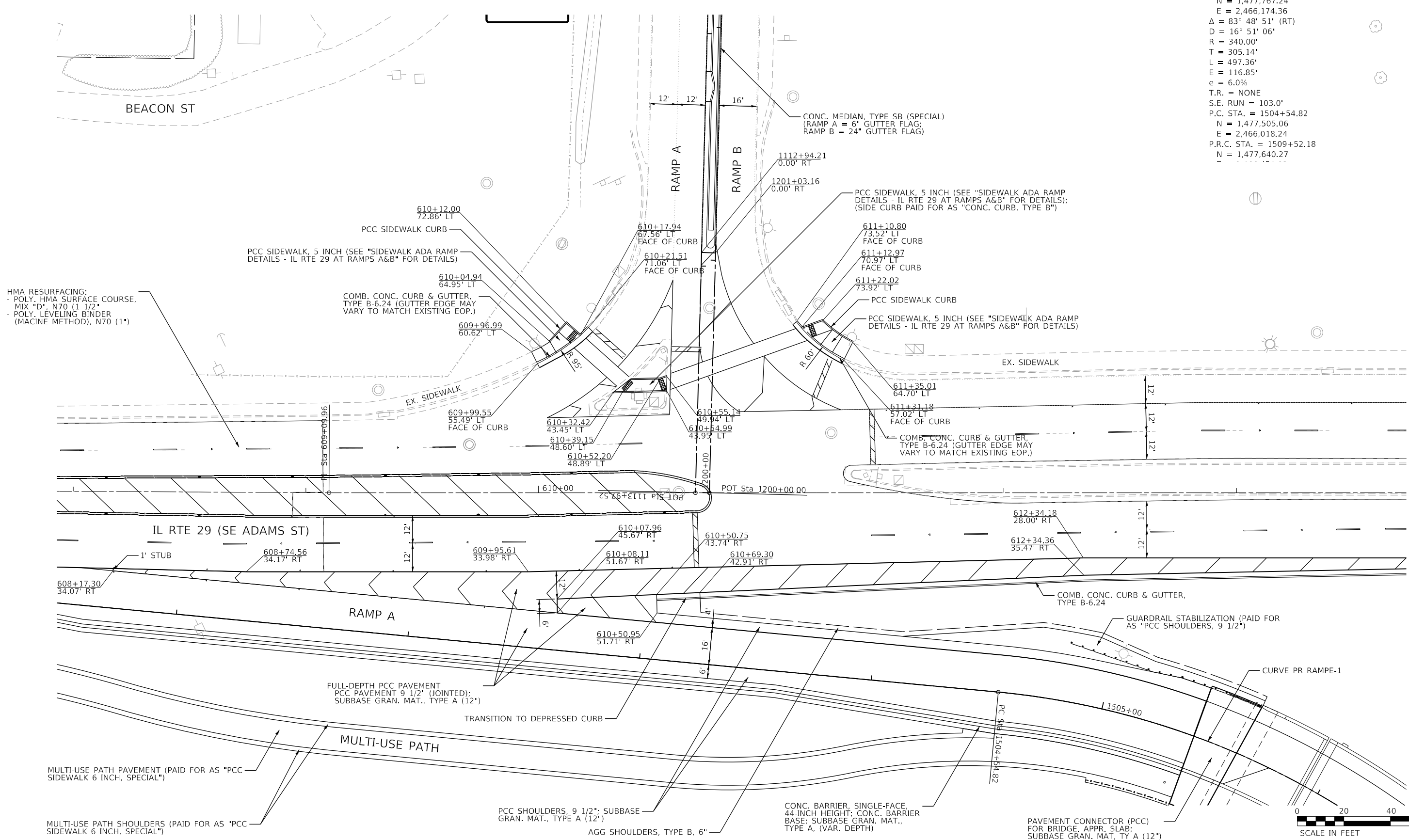
SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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



PROP. CURVE PR_RAMPE-1
 PI STA. = 1507+59.96
 N = 1,477,767.24
 E = 2,466,174.36
 $\Delta = 83^\circ 48' 51''$ (RT)
 D = $16^\circ 51' 06''$
 R = 340.00'
 T = 305.14'
 L = 497.36'
 E = 116.85'
 e = 6.0%
 T.R. = NONE
 S.E. RUN = 103.0'
 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



HMA RESURFACING:
 - POLY. HMA SURFACE COURSE,
 MIX "D", N70 (1 1/2")
 - POLY. LEVELING BINDER
 (MACINE METHOD), N70 (1")

PCC SIDEWALK, 5 INCH (SEE "SIDEWALK ADA RAMP
 DETAILS - IL RTE 29 AT RAMPS A&B" FOR DETAILS)

COMB. CONC. CURB & GUTTER,
 TYPE B-6.24 (GUTTER EDGE MAY
 VARY TO MATCH EXISTING EOP.)

PCC SIDEWALK, 5 INCH (SEE "SIDEWALK ADA RAMP
 DETAILS - IL RTE 29 AT RAMPS A&B" FOR DETAILS);
 (SIDE CURB PAID FOR AS "CONC. CURB, TYPE B")

PCC SIDEWALK, 5 INCH (SEE "SIDEWALK ADA RAMP
 DETAILS - IL RTE 29 AT RAMPS A&B" FOR DETAILS)

COMB. CONC. CURB & GUTTER,
 TYPE B-6.24 (GUTTER EDGE MAY
 VARY TO MATCH EXISTING EOP.)

COMB. CONC. CURB & GUTTER,
 TYPE B-6.24

GUARDRAIL STABILIZATION (PAID FOR
 AS "PCC SHOULDERS, 9 1/2")

FULL-DEPTH PCC PAVEMENT
 PCC PAVEMENT 9 1/2" (JOINTED);
 SUBBASE GRAN. MAT., TYPE A (12")

MULTI-USE PATH PAVEMENT (PAID FOR AS "PCC
 SIDEWALK 6 INCH, SPECIAL")

MULTI-USE PATH SHOULDERS (PAID FOR AS "PCC
 SIDEWALK 6 INCH, SPECIAL")

PCC SHOULDERS, 9 1/2"; SUBBASE
 GRAN. MAT., TYPE A (12")

AGG SHOULDERS, TYPE B, 6"

CONC. BARRIER, SINGLE-FACE,
 44-INCH HEIGHT; CONC. BARRIER
 BASE; SUBBASE GRAN. MAT.,
 TYPE A, (VAR. DEPTH)

PAVEMENT CONNECTOR (PCC)
 FOR BRIDGE, APPR. SLAB;
 SUBBASE GRAN. MAT, TY A (12")



FINAL SUBMITTAL

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 PROJECT: US150EASTBOUNDMcClugageBridgeProject
 SHEET: INTDET-W02

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

USER NAME = mgormely
 PLOT SCALE = 40.00' / in.
 PLOT DATE = 12/12/2018

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 DRAWN - MPG
 CHECKED - DAJ
 DATE - 11/28/2018

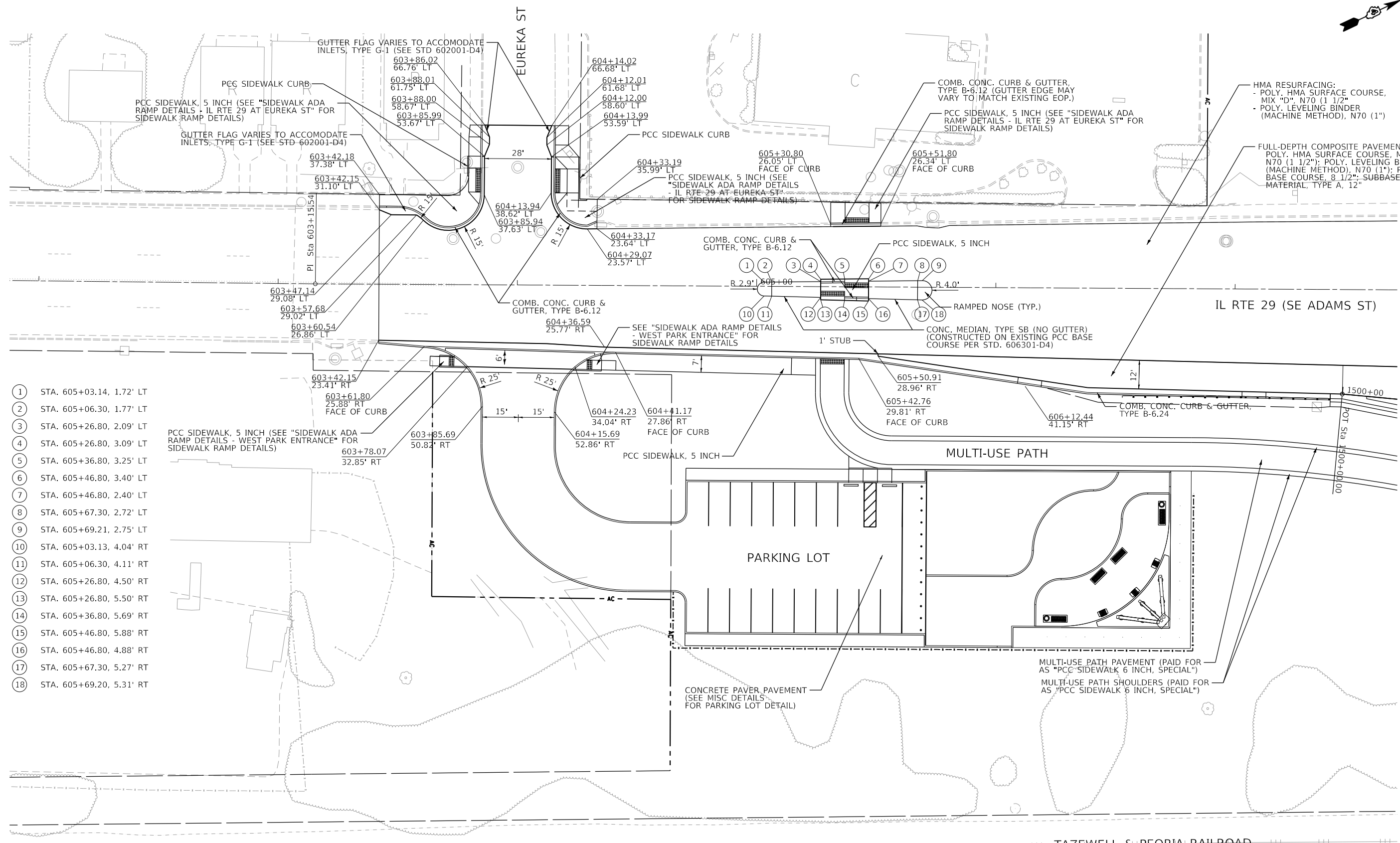
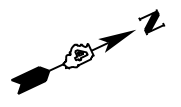
REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 INTERSECTION DETAILS - IL RTE 29 AT RAMPS A & B

SCALE: 1"=20' SHEET 2 OF 4 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	673
CONTRACT NO. 68B46			INTDET-W02	
ILLINOIS		FED. AID PROJECT	NHPP-YRP3(905)	



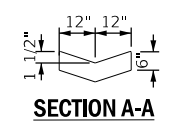
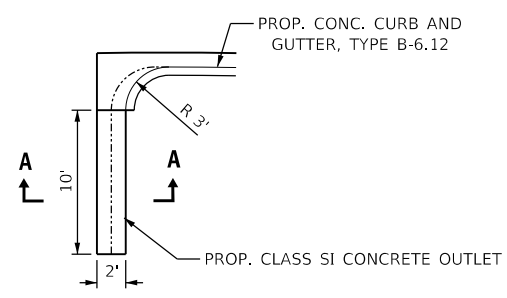
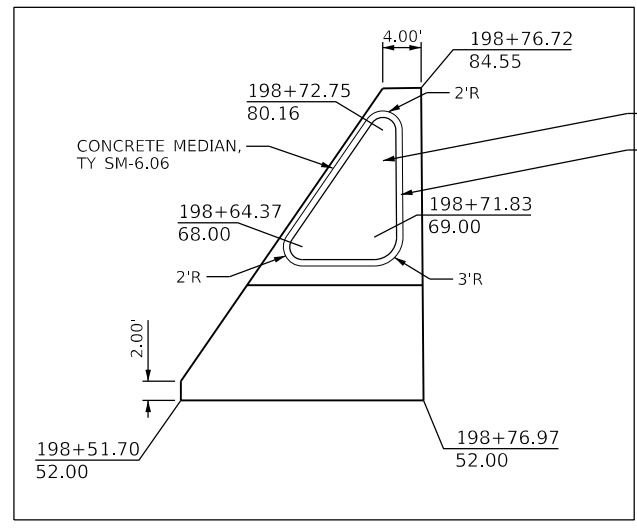
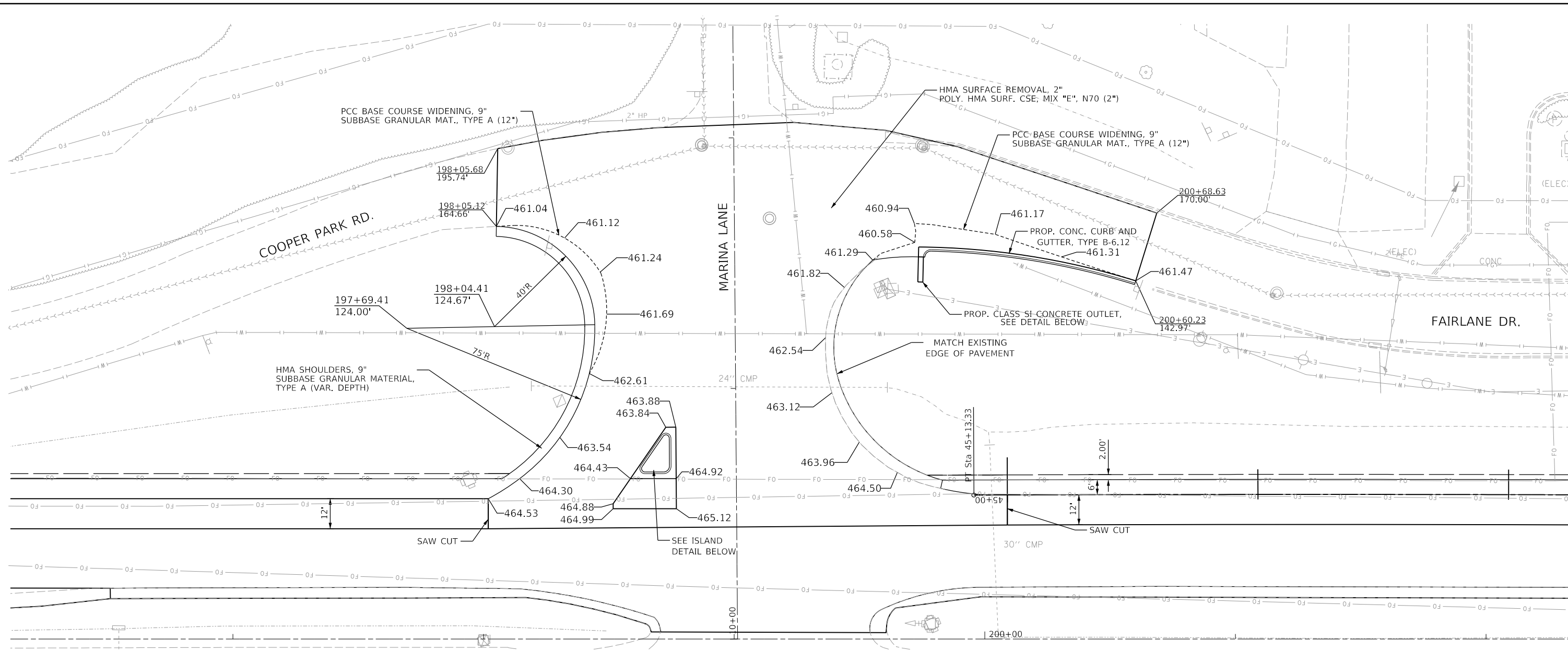
- ① STA. 605+03.14, 1.72' LT
- ② STA. 605+06.30, 1.77' LT
- ③ STA. 605+26.80, 2.09' LT
- ④ STA. 605+26.80, 3.09' LT
- ⑤ STA. 605+36.80, 3.25' LT
- ⑥ STA. 605+46.80, 3.40' LT
- ⑦ STA. 605+46.80, 2.40' LT
- ⑧ STA. 605+67.30, 2.72' LT
- ⑨ STA. 605+69.21, 2.75' LT
- ⑩ STA. 605+03.13, 4.04' RT
- ⑪ STA. 605+06.30, 4.11' RT
- ⑫ STA. 605+26.80, 4.50' RT
- ⑬ STA. 605+26.80, 5.50' RT
- ⑭ STA. 605+36.80, 5.69' RT
- ⑮ STA. 605+46.80, 5.88' RT
- ⑯ STA. 605+46.80, 4.88' RT
- ⑰ STA. 605+67.30, 5.27' RT
- ⑱ STA. 605+69.20, 5.31' RT



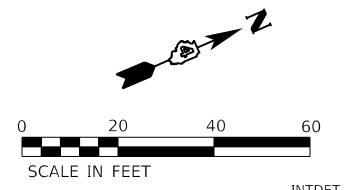
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TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgormely	DESIGNED - MPG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT INTERSECTION DETAILS - IL RTE 29 AT EUREKA ST	F.A.P. RTE. = 317	SECTION = [15B;[(102-1),(14HB)]]BR]BR	COUNTY = PEORIA	TOTAL SHEETS = 1361	SHEET NO. = 674	
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	PLOT DATE = 12/12/2018	DATE = 11/28/2018	REVISED -			INTDET-W03					



PCC GUTTER OUTLET DETAIL



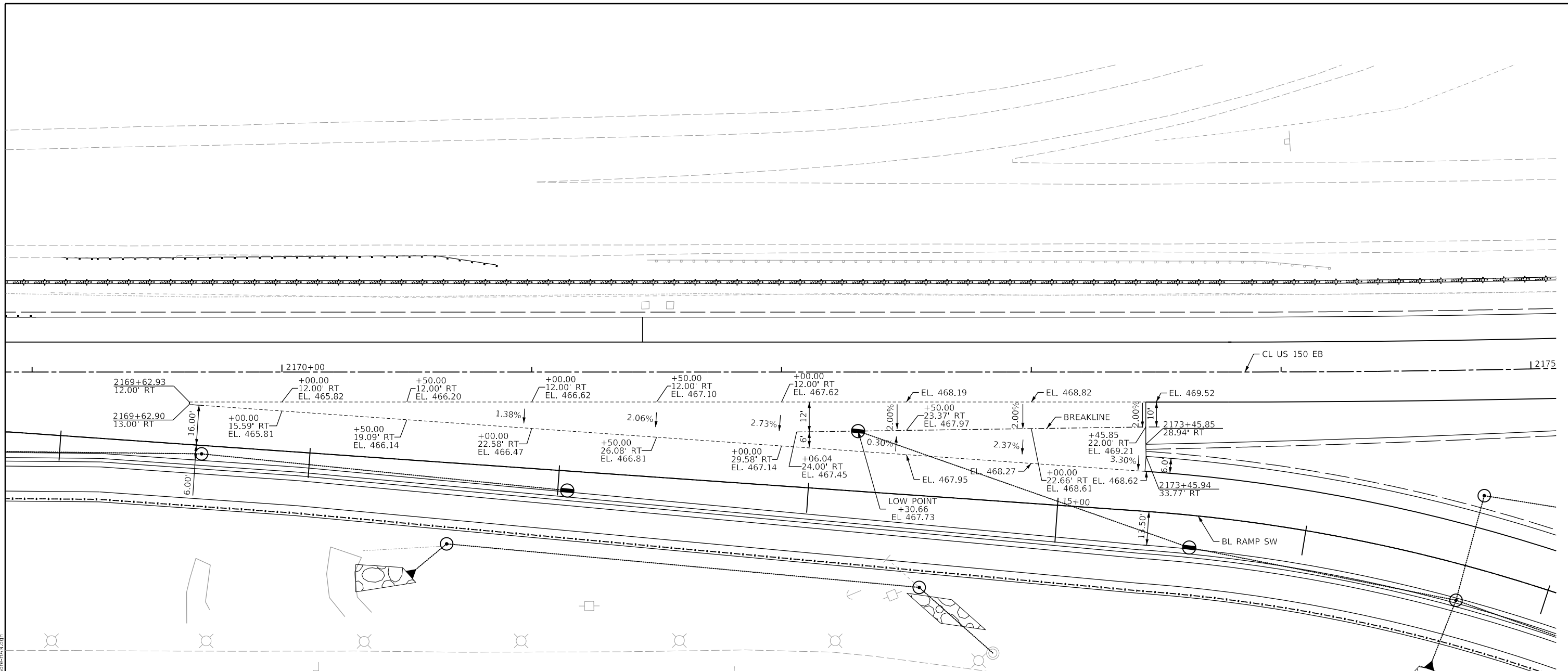
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PLOT DATE = 11/16/2018	CHECKED - JDS	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
INTERSECTION DETAIL - IL 116 AT MARINA LANE
SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	TAZEWELL	1361	675
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
			NHPP-YRP3(905)	

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USER NAME = oster00605	DESIGNED - JDS	REVISD -
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PLOT DATE = 11/16/2018	CHECKED - JDS	REVISD -
	DATE - 11/28/2018	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

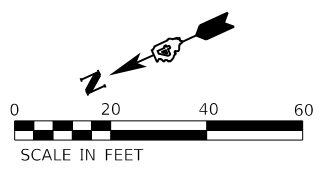
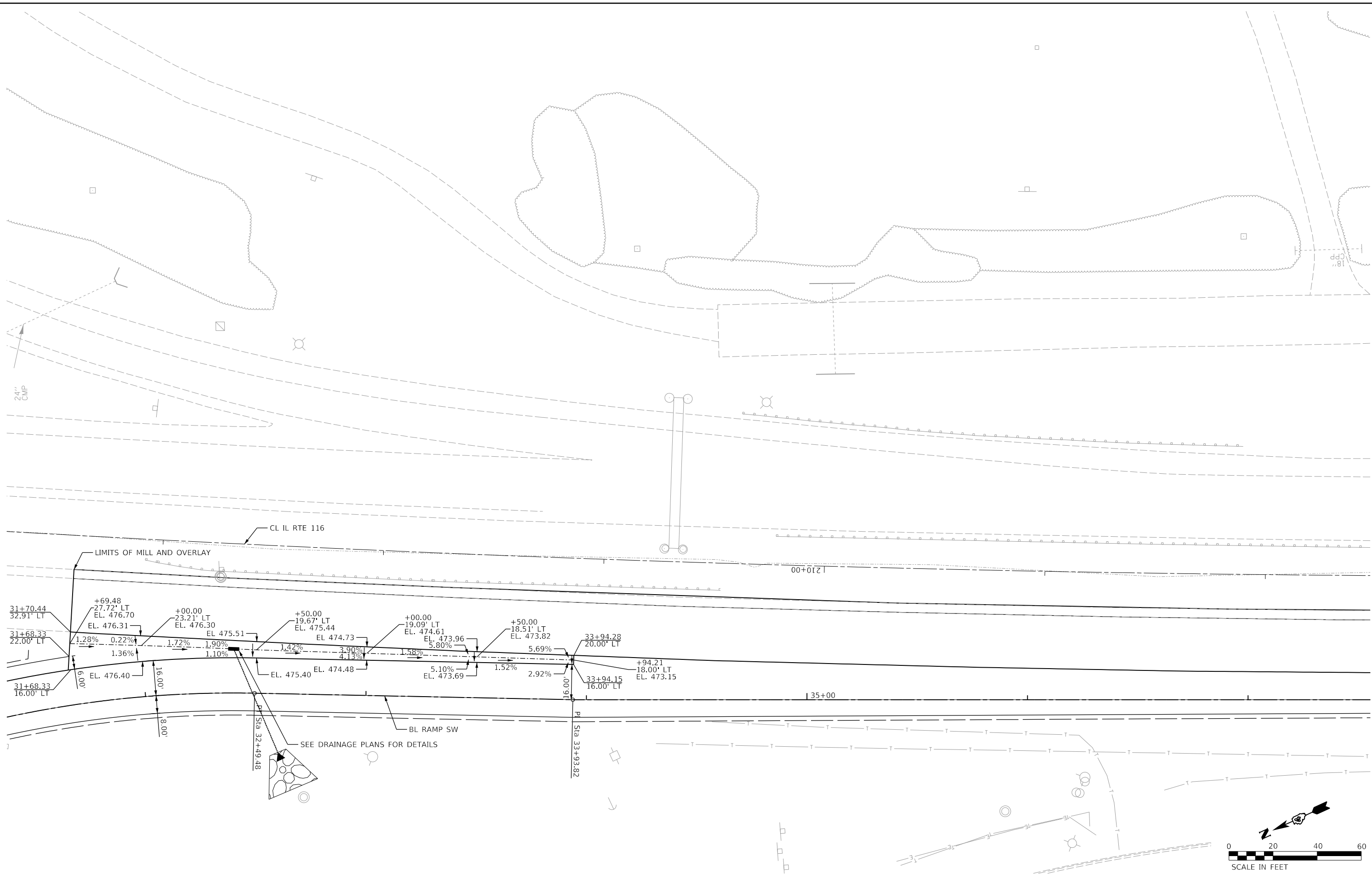
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 GORE DETAILS - US 150 AT RAMP SW

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 317	SECTION [15B;((102-1),(14HB))BR]BR	COUNTY TAZEWELL	TOTAL SHEETS 1361	SHEET NO. 676
ILLINOIS FED. AID PROJECT			NHPY-RP3(905)	

FINAL SUBMITTAL

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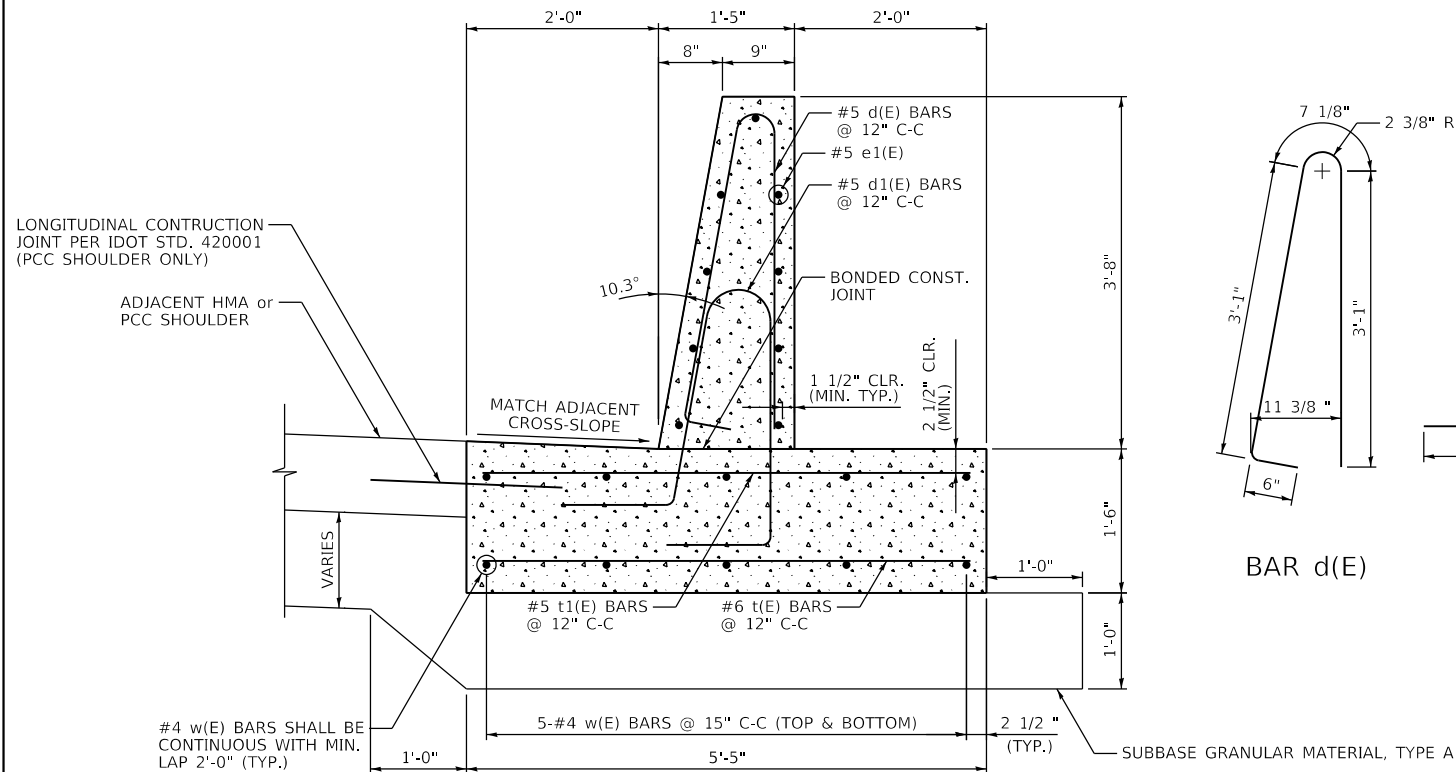
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

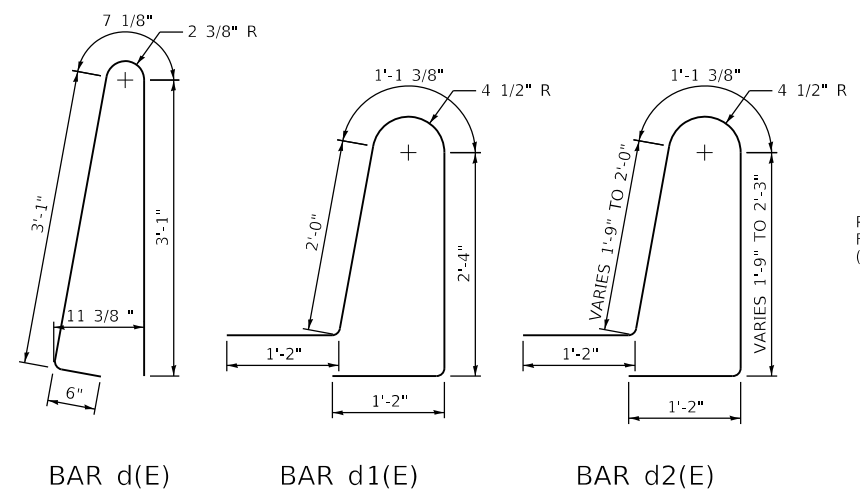
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 GORE DETAILS - IL 116 AT RAMP SW
 SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

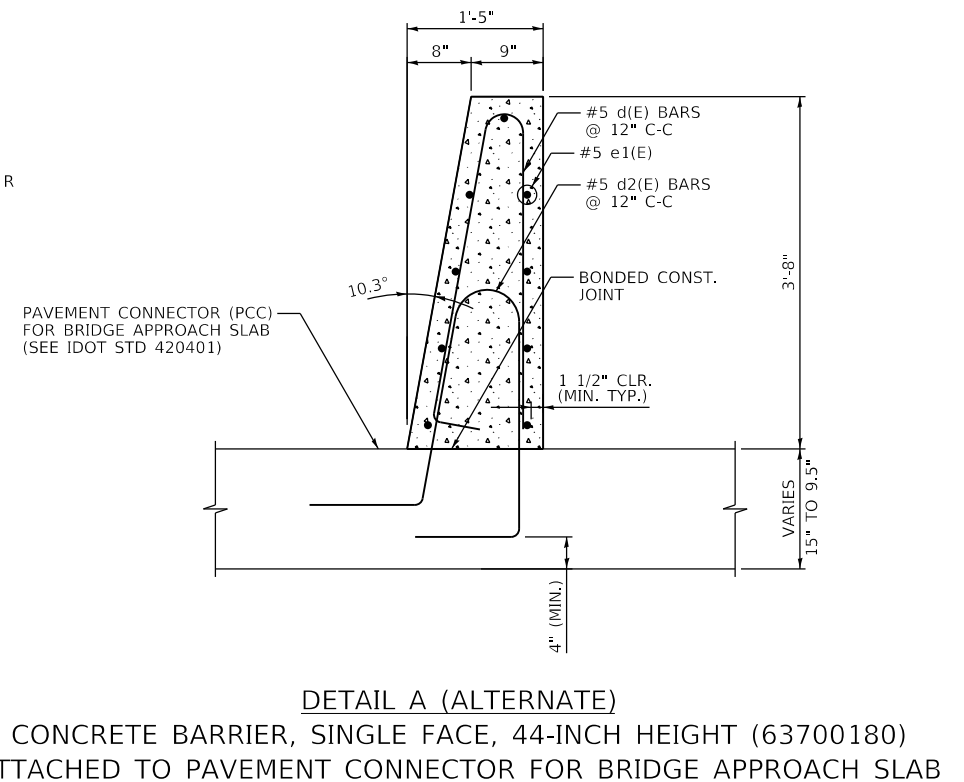
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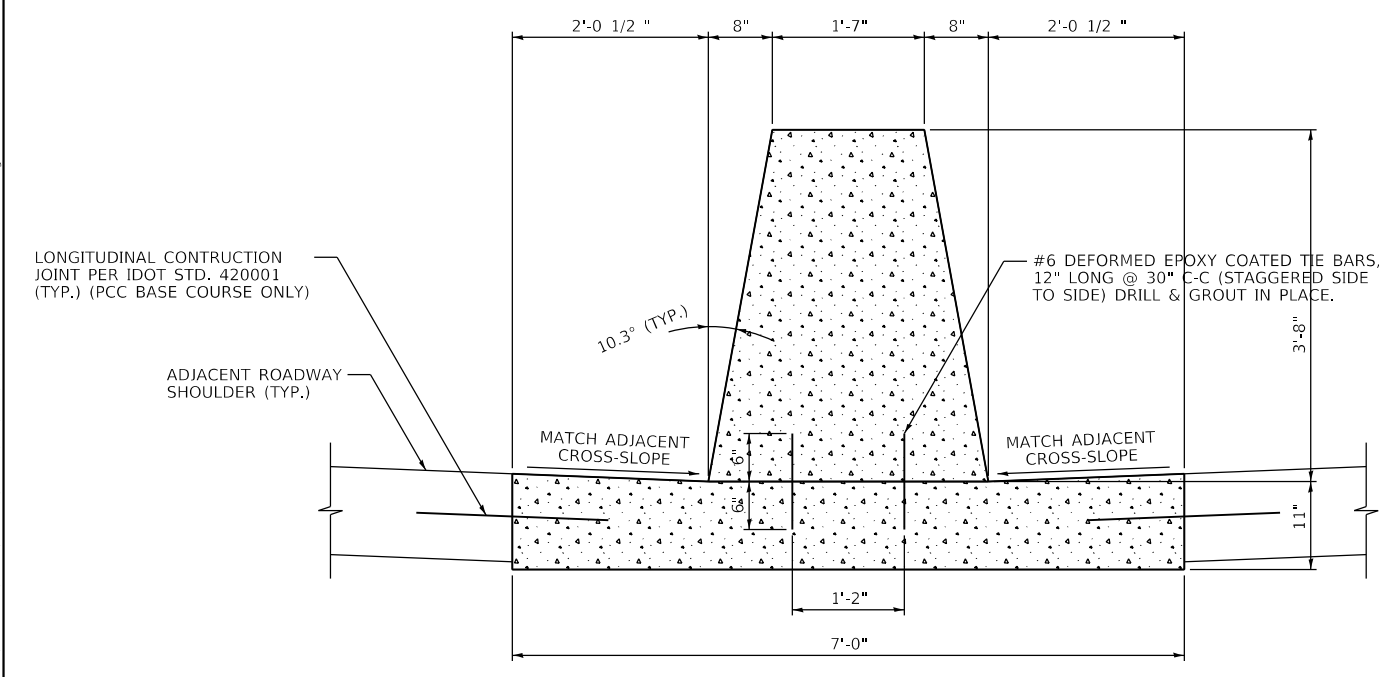
DETAIL A
 CONCRETE BARRIER, SINGLE FACE, 44-INCH HEIGHT (63700180)
 CONCRETE BARRIER BASE (63700900)



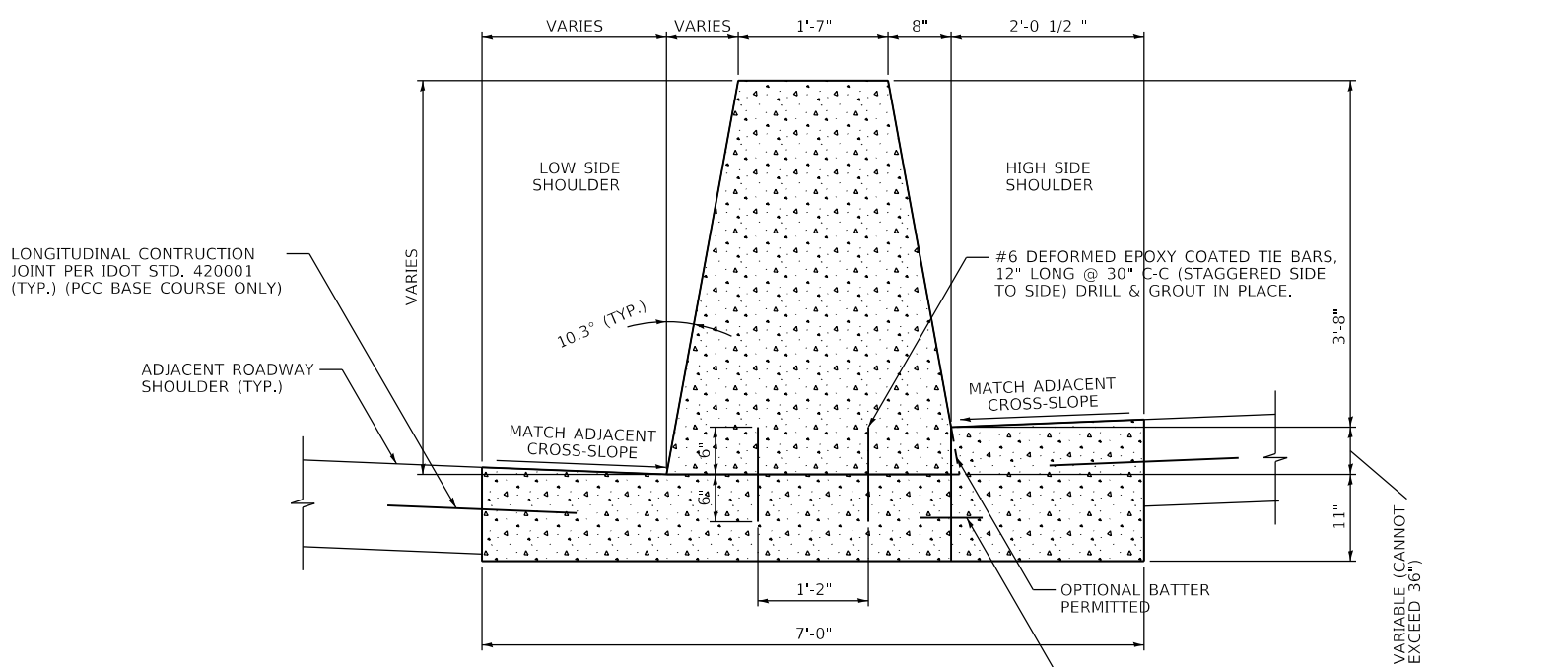
BENDING DIAGRAMS



DETAIL A (ALTERNATE)
 CONCRETE BARRIER, SINGLE FACE, 44-INCH HEIGHT (63700180)
 ATTACHED TO PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB



DETAIL B
 CONCRETE BARRIER, DOUBLE FACE, 44-INCH HEIGHT (63700280)
 CONCRETE BARRIER BASE (SPECIAL) (X0326382)



DETAIL C
 CONCRETE BARRIER, VARIABLE CROSS-SECTION, 44-INCH HEIGHT (63700380)
 CONCRETE BARRIER BASE (SPECIAL) (X0326382)

FINAL SUBMITTAL

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 USER: mgormely

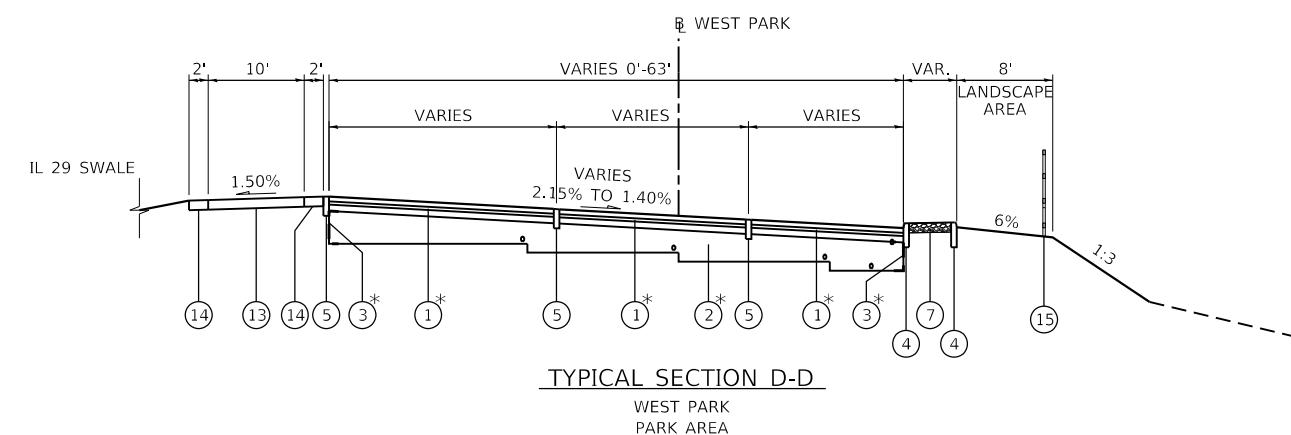
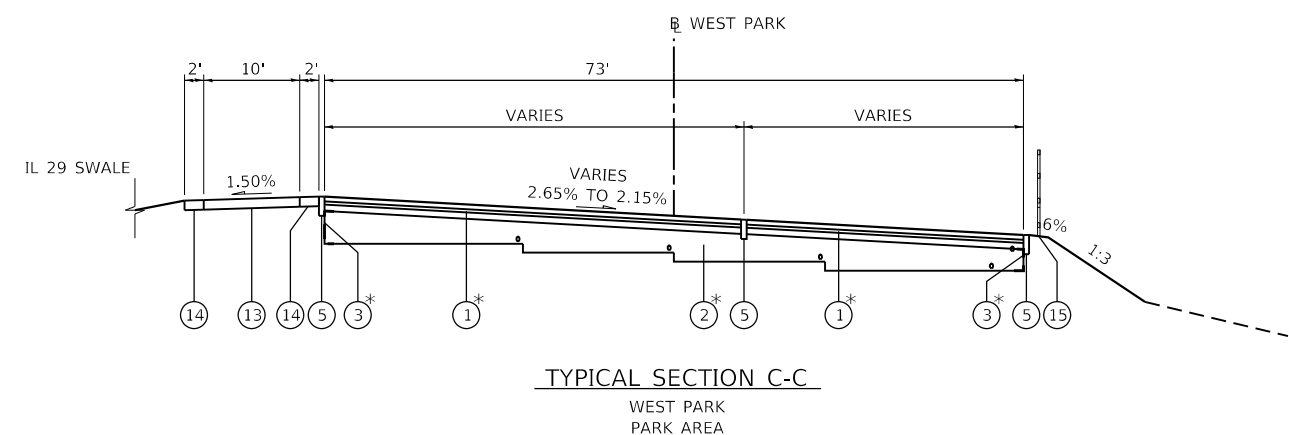
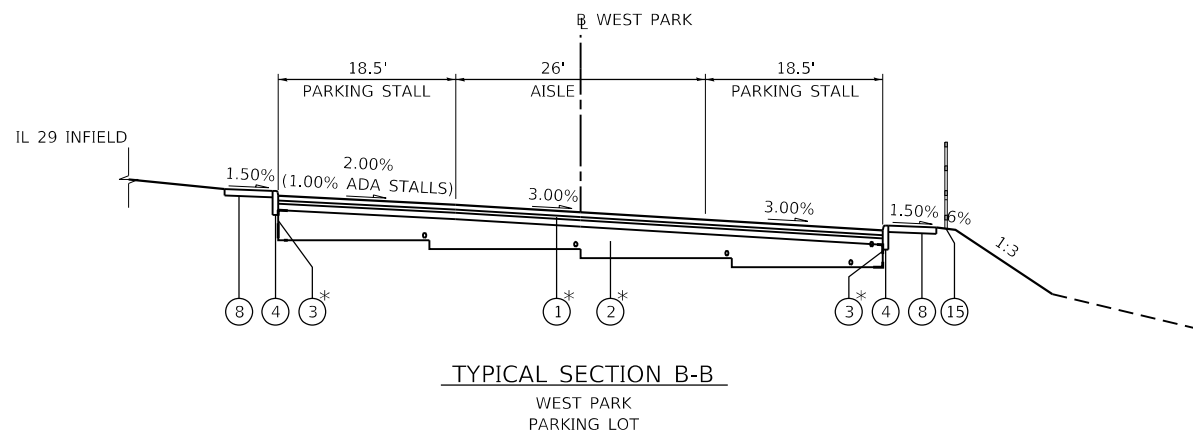
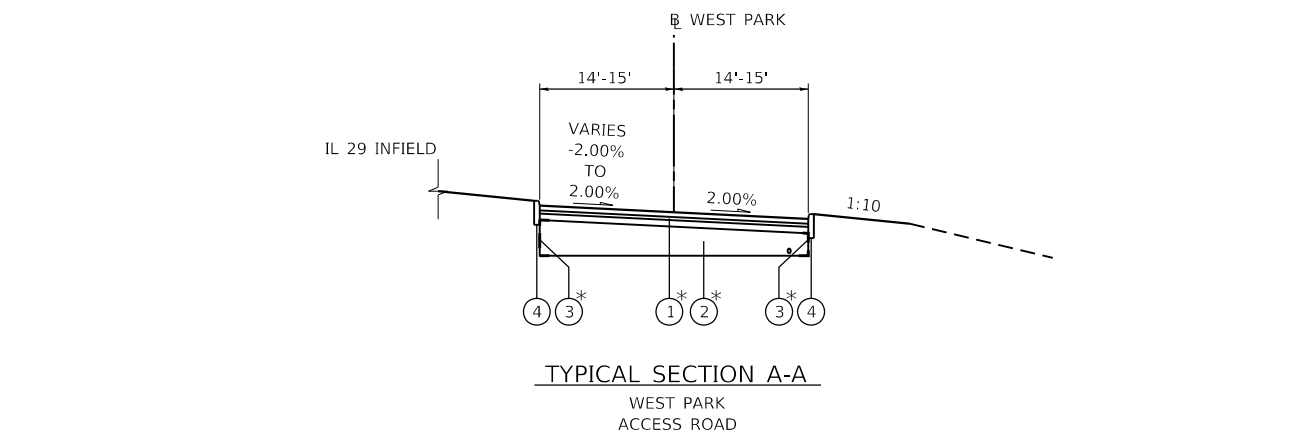
TYLIN INTERNATIONAL 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgormely	DESIGNED - MPG	REVISED -
	PLOT SCALE = 2.00' / in.	CHECKED - DAJ	REVISED -
	PLOT DATE = 11/28/2018	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

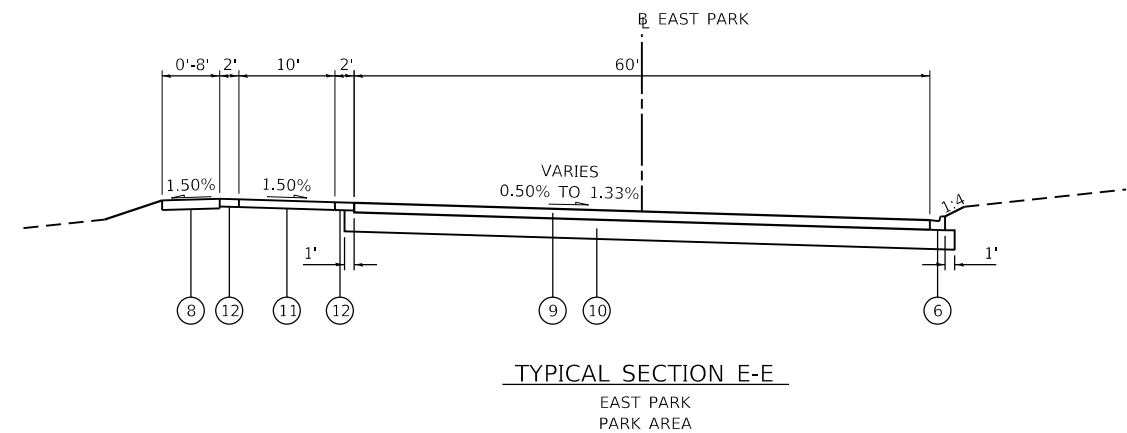
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 MISCELLANEOUS DETAILS - CONCRETE BARRIER

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEO/TAZ	1361	679
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHP-YP3(905)				

CONC-DET-01



*NOTE: SEE DRAINAGE DETAILS FOR PAVEMENT SECTION DETAIL



PROPOSED LEGEND

- ① PERMEABLE INTERLOCKING PAVEMENT SYSTEM*
- ② INFILTRATION AGGREGATE, 14 INCH MIN.*
- ③ FILTER FABRIC*
- ④ CONCRETE CURB, TYPE B
- ⑤ CONCRETE CURB (SPECIAL)
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, B-6.12
- ⑦ LANDSCAPING GRAVEL
- ⑧ PCC SIDEWALK, 6 INCH
- ⑨ PCC PAVEMENT, 6 INCH
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE A (12")
- ⑪ MULTI-USE PATH PAVEMENT (PAID FOR AS "PCC SIDEWALK 5 INCH, SPECIAL")
- ⑫ MULTI-USE PATH SHOULDERS (PAID FOR AS "PCC SIDEWALK 5 INCH, SPECIAL")
- ⑬ MULTI-USE PATH PAVEMENT (PAID FOR AS "PCC SIDEWALK 6 INCH, SPECIAL")
- ⑭ MULTI-USE PATH SHOULDERS (PAID FOR AS "PCC SIDEWALK 6 INCH, SPECIAL")
- ⑮ CHAIN LINK FENCE, 4'

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

USER NAME = mgormely
 PLOT SCALE = 20.00' / in.
 PLOT DATE = 12/12/2018

DESIGNED - MPG
 DRAWN - KRP
 CHECKED - DAI
 DATE - 11/28/2018

REVISED -
 REVISED -
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 REVISED -

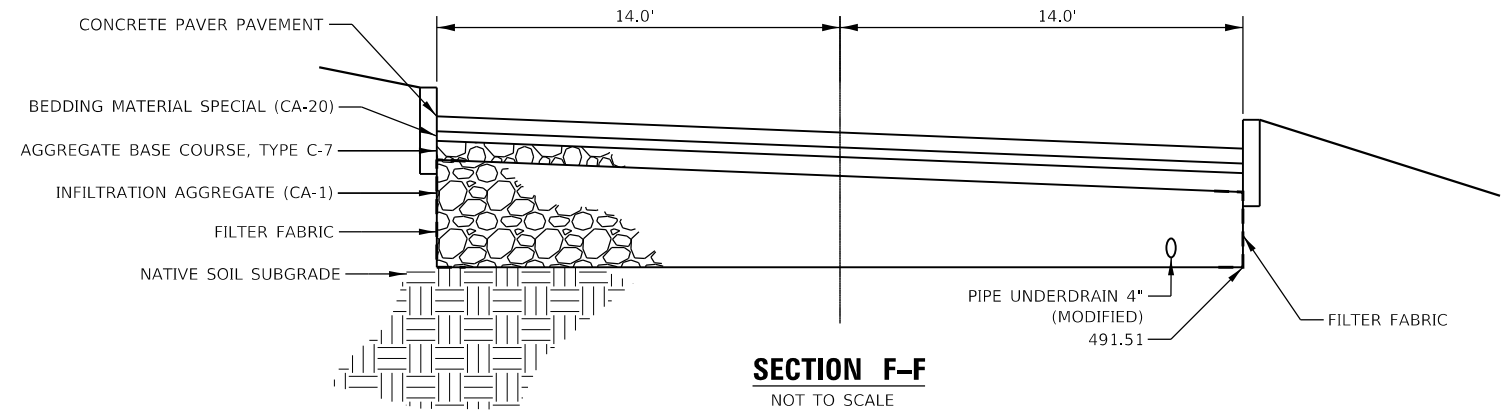
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 MISCELLANEOUS DETAIL - PARK TYPICAL SECTIONS

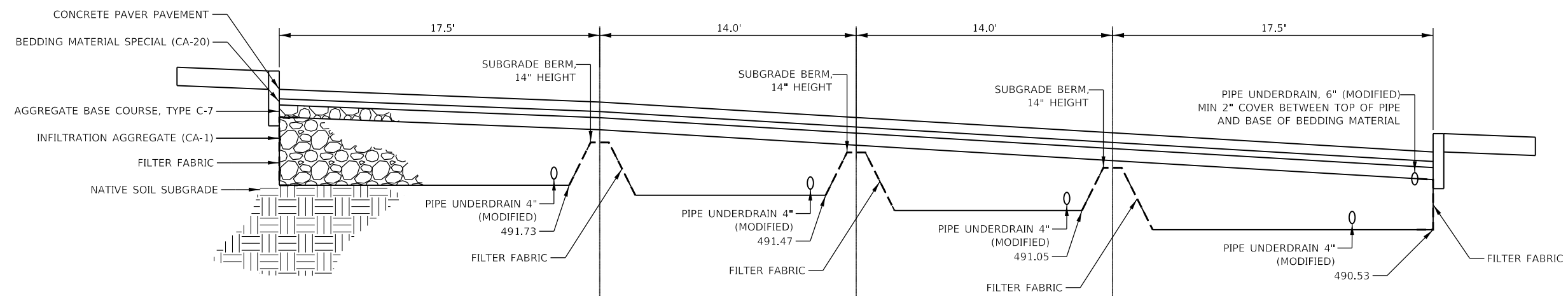
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

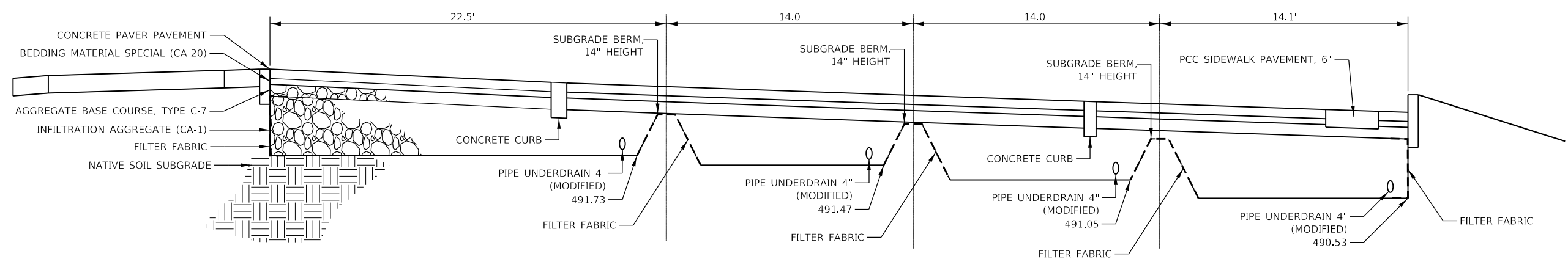
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 USER: MSpillers



SECTION F-F
NOT TO SCALE



SECTION G-G
NOT TO SCALE



SECTION H-H

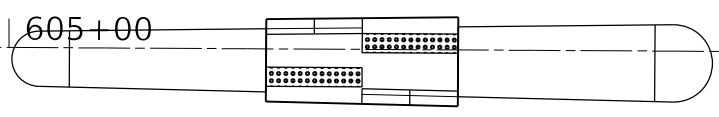
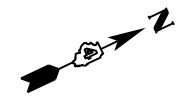
EFK Moen, LLC
Civil Engineering Design

USER NAME = MSpillers	DESIGNED - MYS	REVISED -
PLOT SCALE = 20.00' / in.	DRAWN - MSK	REVISED -
PLOT DATE = 11/19/2018	CHECKED - SLD	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - WEST PARK DRAINAGE TYP. SEC.
SCALE: NONE SHEET 2 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 317	SECTION [15B;((102-1),(14HB))BR]BR	COUNTY PEORIA	TOTAL SHEETS 1361	SHEET NO. 681
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPY-RP3(905)				



IL RTE 29 (SE ADAMS ST)

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6 INCH

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

PORTLAND CEMENT CONCRETE SIDEWALK CURB

END CONCRETE CURB, TYPE B
BEG CONCRETE CURB (SPECIAL)

END CONCRETE CURB, TYPE B
BEG CONCRETE CURB (SPECIAL)

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH

MULTI-USE PATH

CONCRETE CURB, TYPE B

CONCRETE CURB (SPECIAL)

CONCRETE PAVER PAVEMENT

CONCRETE CURB (SPECIAL)

INTERPRETIVE SIGNAGE COMPLETE (TYP.)

WASTE RECEPTACLE (TYP.)
PCC SIDEWALK 6 INCH (TYP.)
PARK BENCH (TYP.)

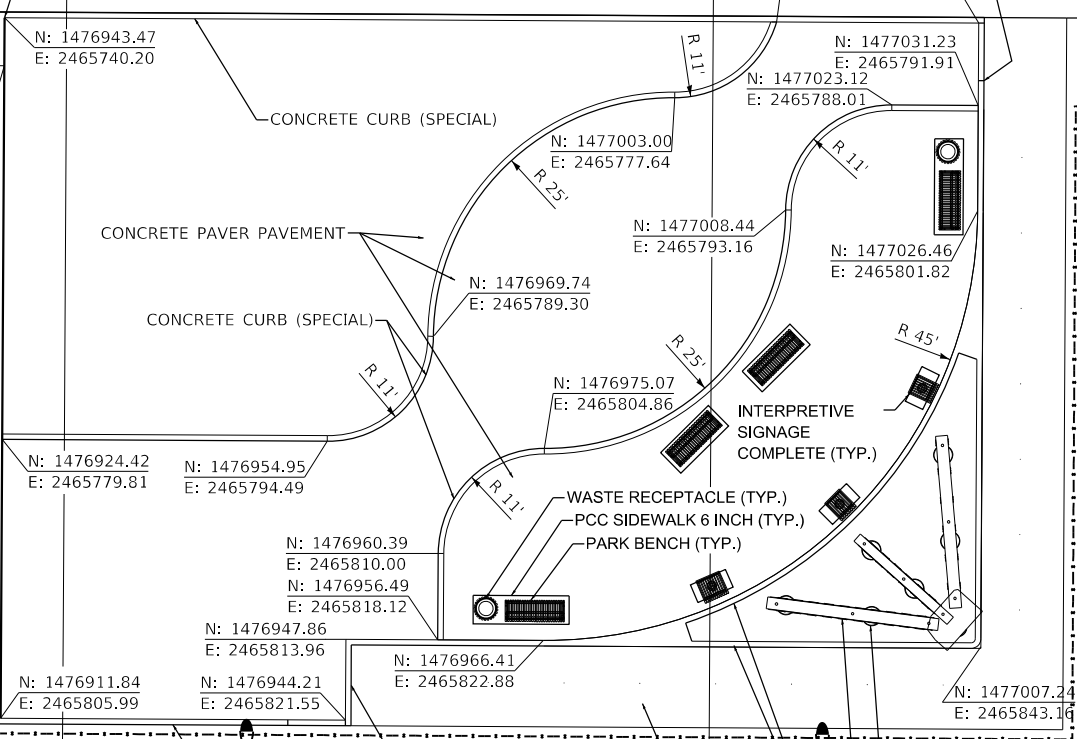
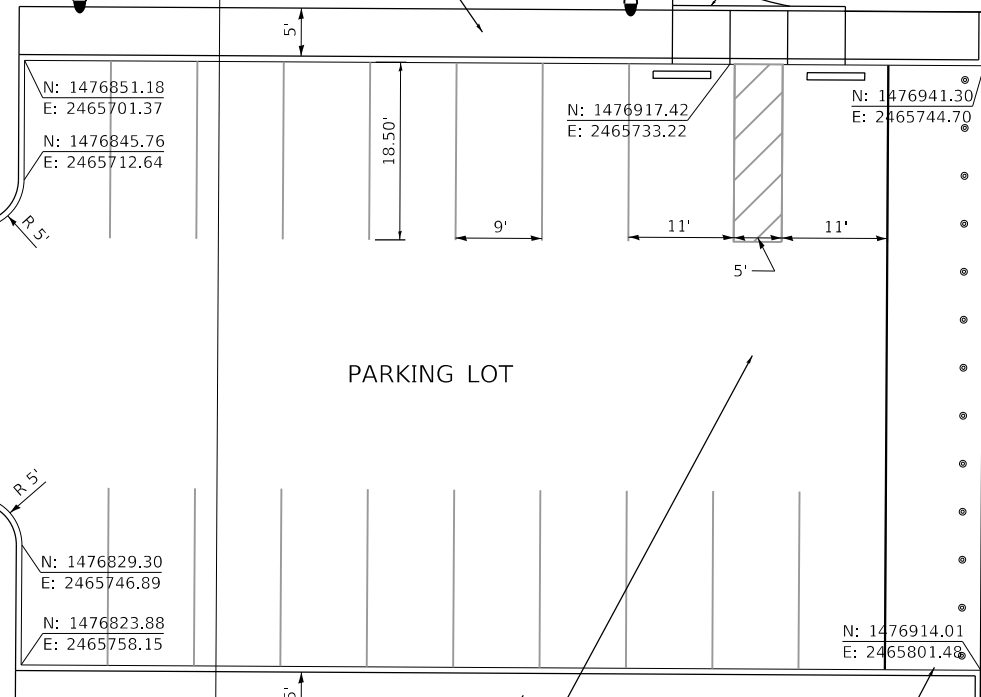
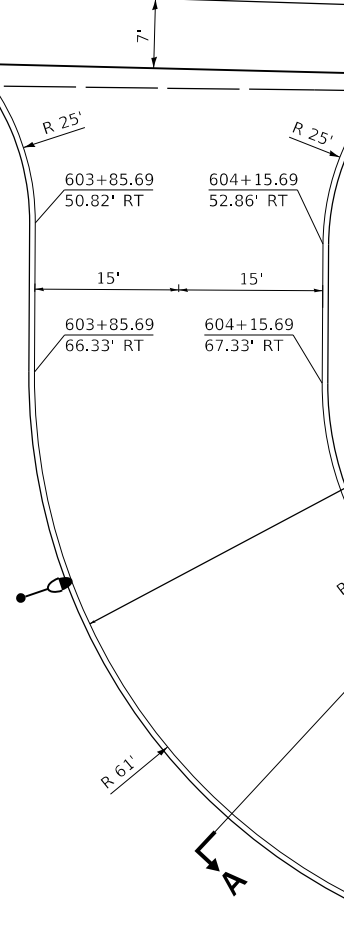
CONC. FOUNDATION (TYP.)

PARK SCULPTURE REPURPOSED TRUSS FROM ORIGINAL BRIDGE

CONCRETE CURB, TYPE B

LANDSCAPED AREA

NOTE: PARK SCULPTURE TO BE PAID FOR AS
"FURNISH AND ERECT STRUCTURAL STEEL, SPECIAL"



FINAL SUBMITTAL

MODEL: Default
FILE: Miscell_Plan_Sheet.dwg
PROJECT: US150 Eastbound McClugage Bridge Project
SHEET: 317
DATE: 12/12/2018

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

USER NAME = mgormely
PLOT SCALE = 20.00' / in.
PLOT DATE = 12/12/2018

DESIGNED - MPG
DRAWN - KRP
CHECKED - DAJ
DATE - 11/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

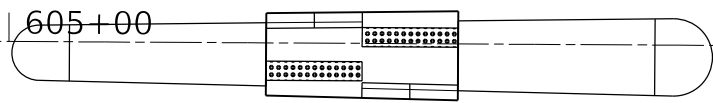
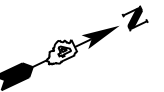
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - WEST PARK GEOMETRY

SCALE: 1"=10' SHEET 3 OF 14 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	682
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPP-YRP3(905)				

MSCDET-P03



IL RTE 29 (SE ADAMS ST)

MULTI-USE PATH

GRADE 2' EARTH SHOULDER
AT 6%; THEN MATCH 3:1 AT
BACK OF WALK AND
BACK OF CURB (TYP.)



FINAL SUBMITTAL

MODEL: Default
FILE: Misc - 11/28/2018 10:06 Phase - 11/28/2018 10:06 Project: Misc - 11/28/2018 10:06
PROJECT: Misc - 11/28/2018 10:06 Project: Misc - 11/28/2018 10:06 Project: Misc - 11/28/2018 10:06

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

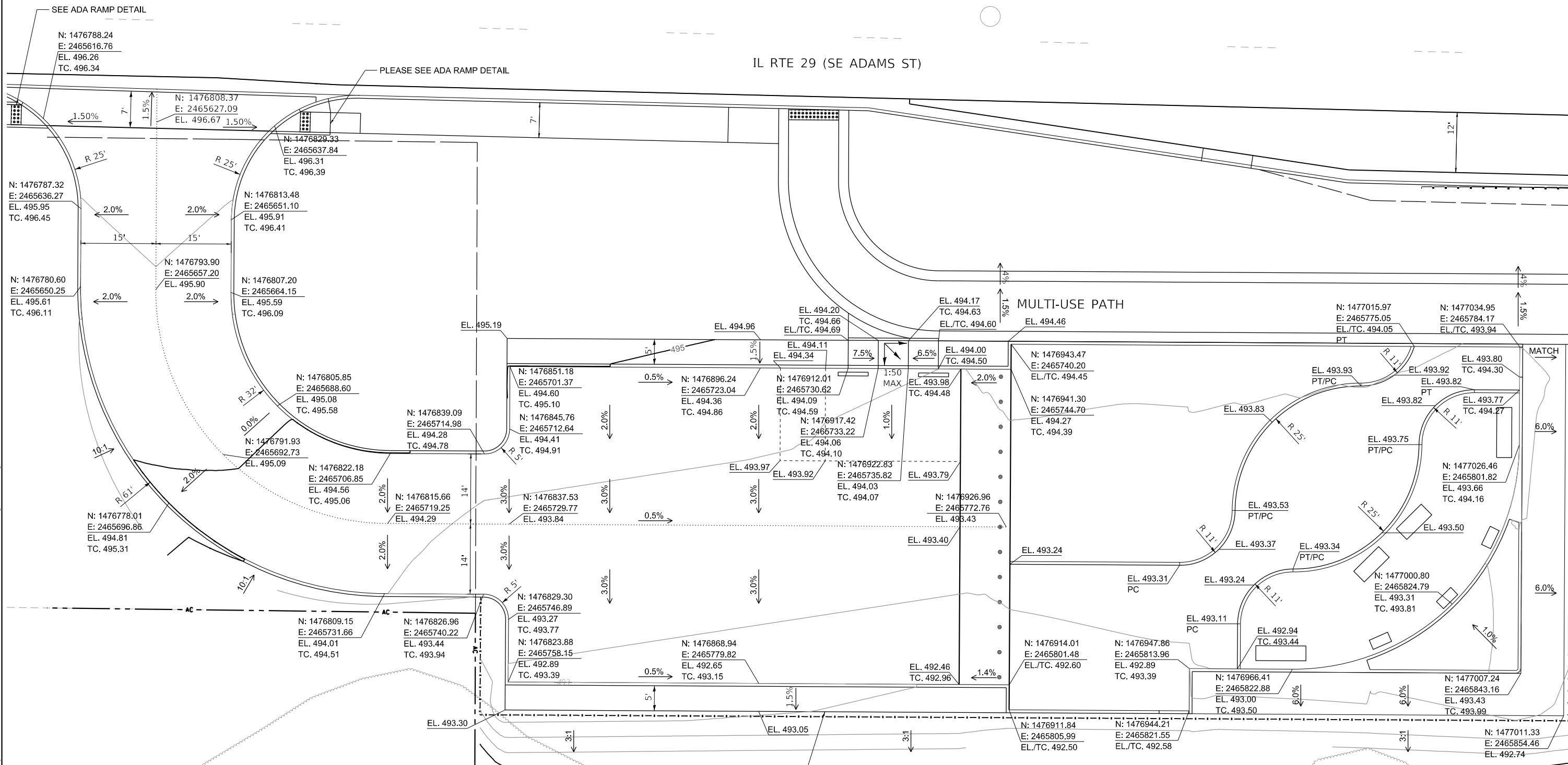
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PLOT SCALE = 20.00' / in.	DRAWN - KRP	REVISED -
PLOT DATE = 11/28/2018	CHECKED - DAJ	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - WEST PARK GRADING

SCALE: 1"=10' SHEET 4 OF 14 SHEETS STA. N/A TO STA. N/A

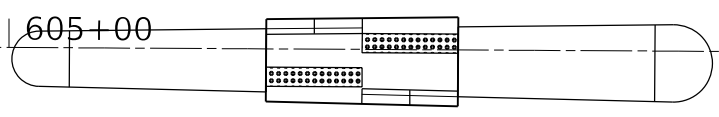
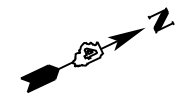
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CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	



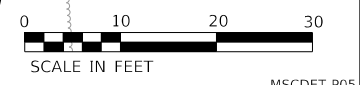
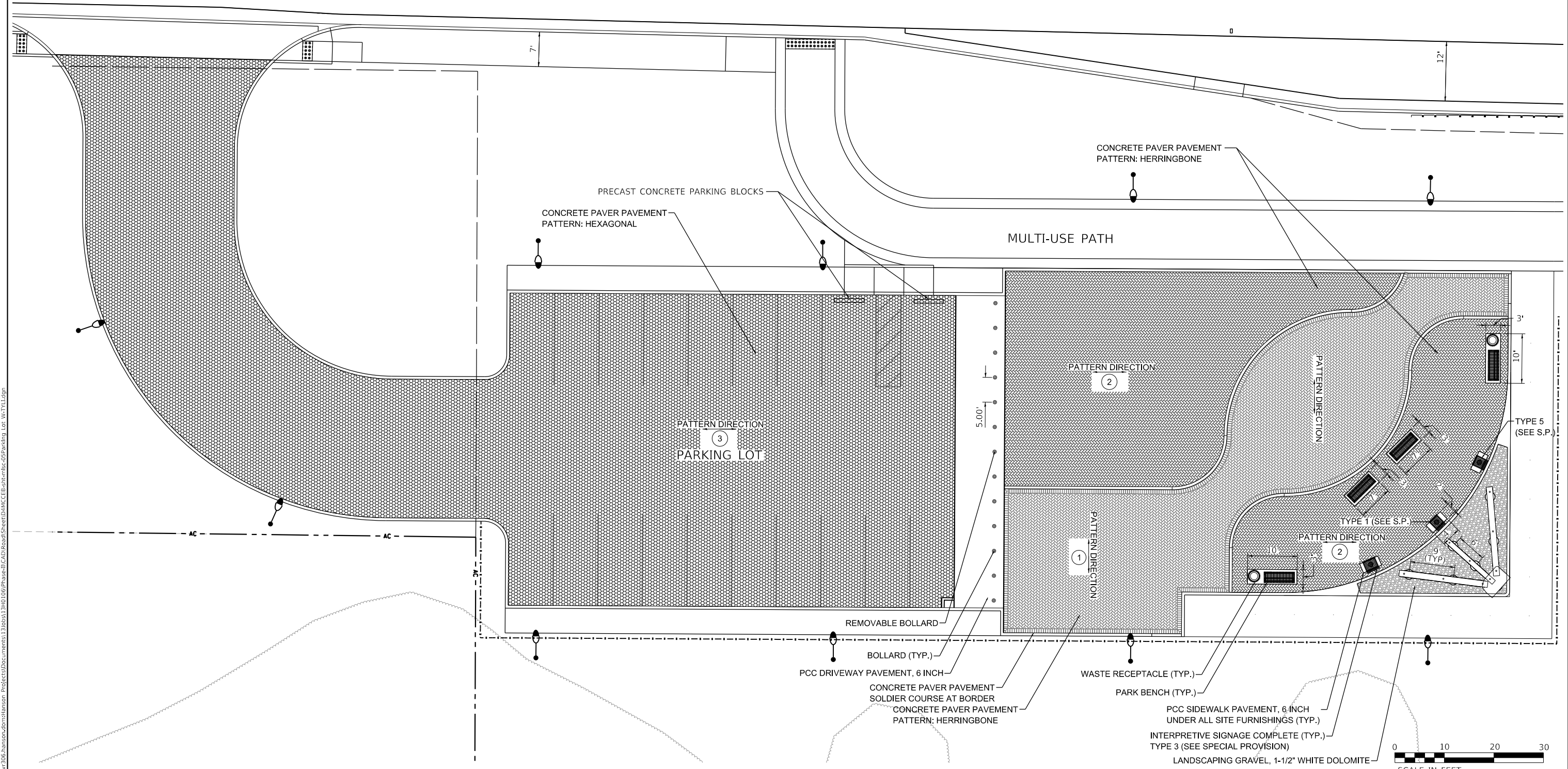
SEE ADA RAMP DETAIL

PLEASE SEE ADA RAMP DETAIL

MATCH



IL RTE 29 (SE ADAMS ST)



FINAL SUBMITTAL

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FILE: Miscell_Plan.dwg
PROJECT: D:\Projects\2016\hanson\miscell.dwg
USER: mgormely
DATE: 11/28/2018

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

USER NAME = mgormely	DESIGNED - MPG	REVISED -
PLOT SCALE = 20.00' / in.	DRAWN - KRP	REVISED -
PLOT DATE = 11/28/2018	CHECKED - DAJ	REVISED -
	DATE - 11/28/2018	REVISED -

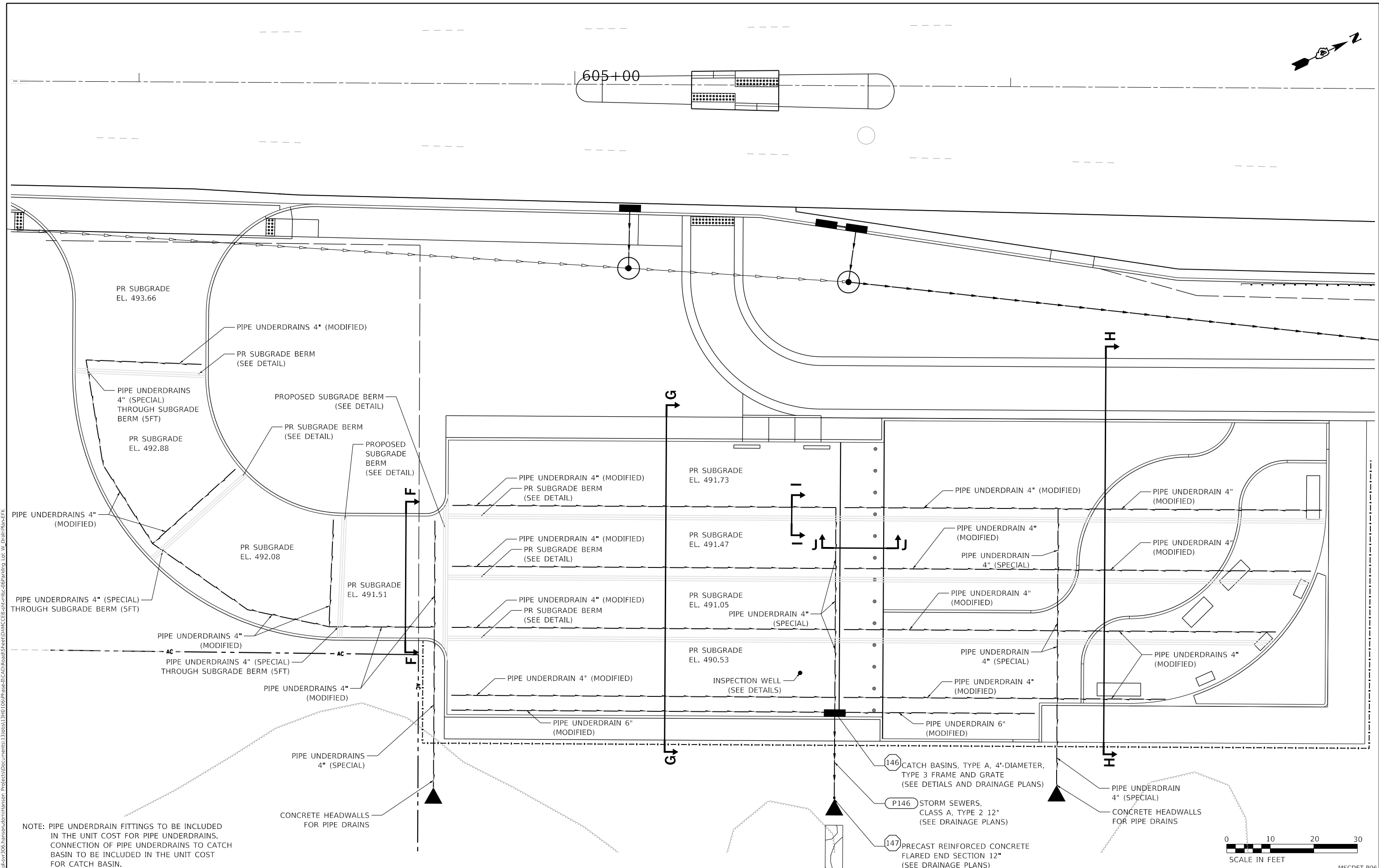
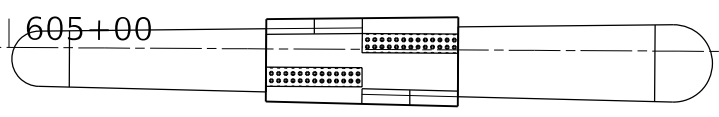
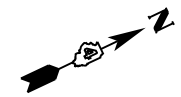
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - WEST PARK SITE FURNISHINGS

F.A.P. RTE. 317	SECTION [15B:((102-1),(14HB))BR]BR	COUNTY PEORIA	TOTAL SHEETS 1361	SHEET NO. 684
			CONTRACT NO. 68B46	
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

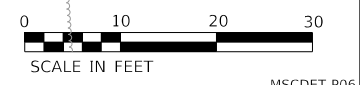
SCALE: 1"=10' SHEET 5 OF 14 SHEETS STA. N/A TO STA. N/A

MSCDET-POS



NOTE: PIPE UNDERDRAIN FITTINGS TO BE INCLUDED IN THE UNIT COST FOR PIPE UNDERDRAINS. CONNECTION OF PIPE UNDERDRAINS TO CATCH BASIN TO BE INCLUDED IN THE UNIT COST FOR CATCH BASIN.

- 146 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE (SEE DETAILS AND DRAINAGE PLANS)
- P146 STORM SEWERS, CLASS A, TYPE 2 12" (SEE DRAINAGE PLANS)
- 147 PRECAST REINFORCED CONCRETE FLARED END SECTION 12" (SEE DRAINAGE PLANS)



FINAL SUBMITTAL

EFK • Moen, LLC Civil Engineering Design	USER NAME = MSjllers	DESIGNED - MYS	REVISED -
	PLOT SCALE = 20.00' / in.	DRAWN - MYS	REVISED -
	PLOT DATE = 11/19/2018	CHECKED - SLD	REVISED -
		DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

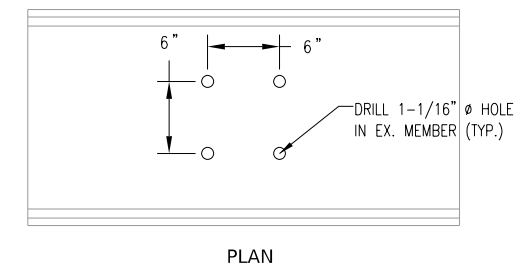
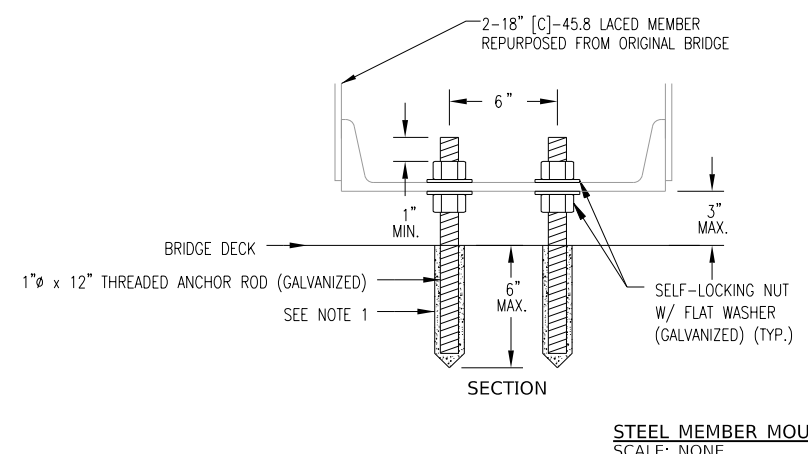
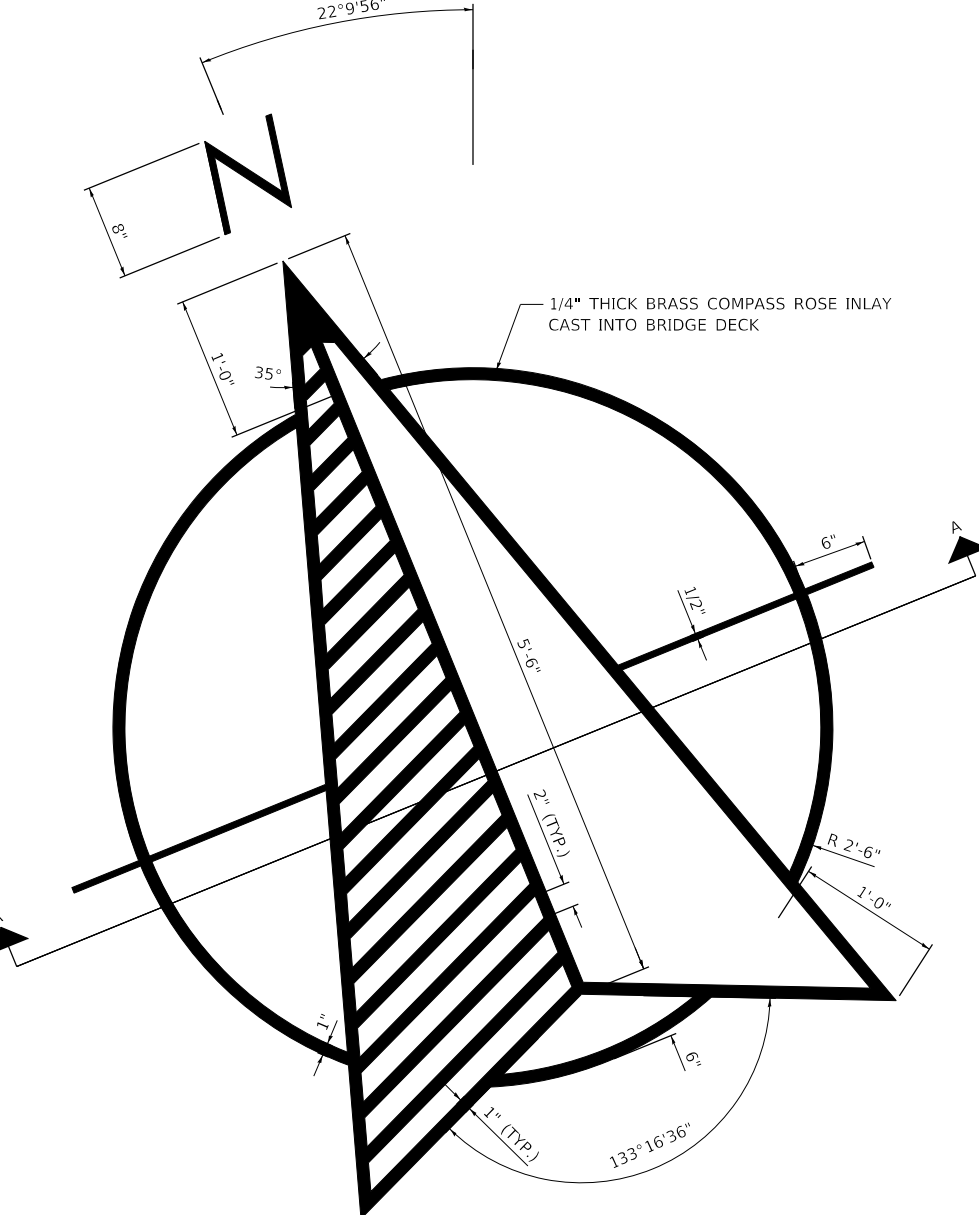
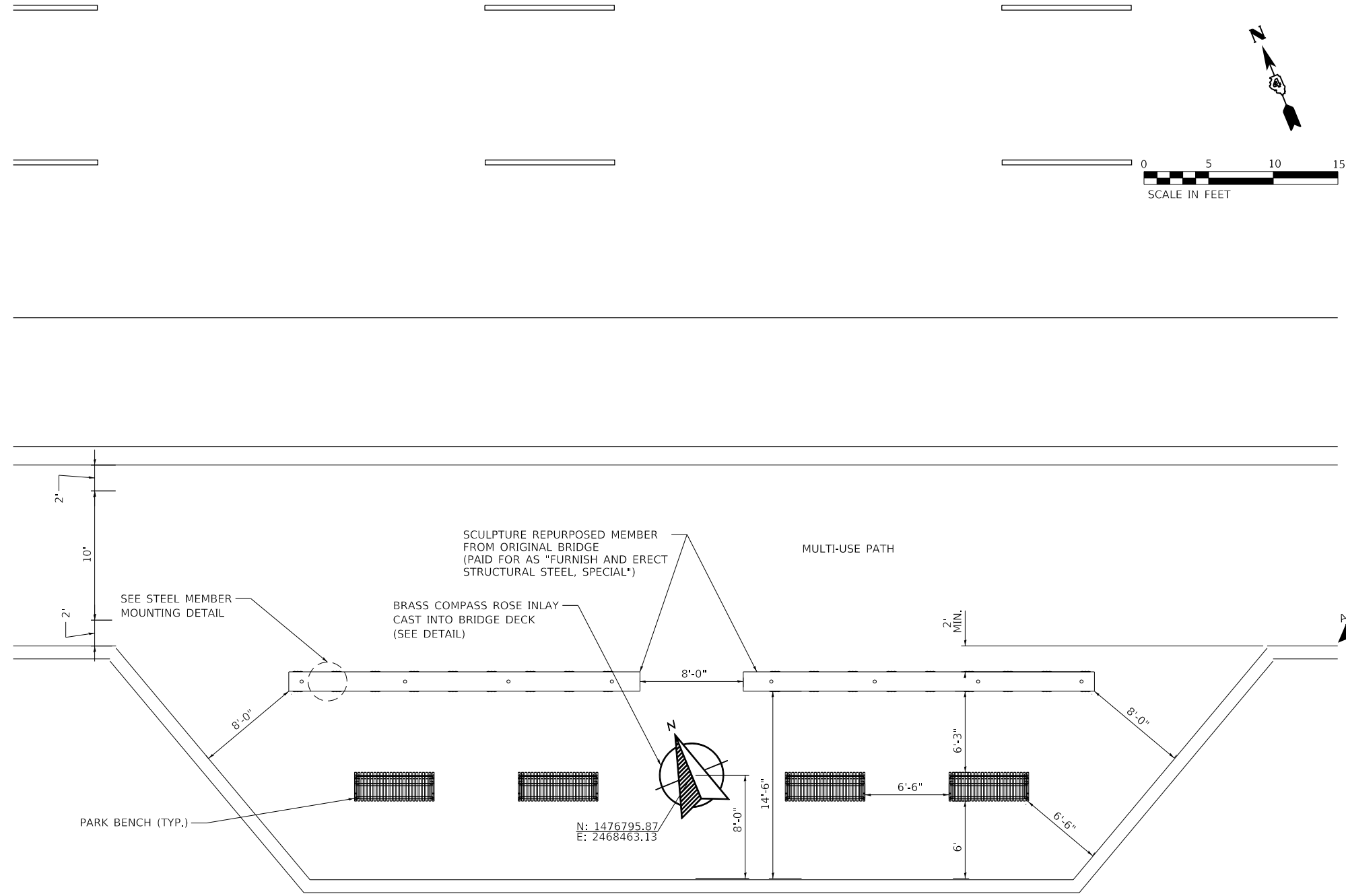
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - WEST PARK DRAINAGE

SCALE: 1"=10' SHEET 6 OF 14 SHEETS STA. N/A TO STA. N/A

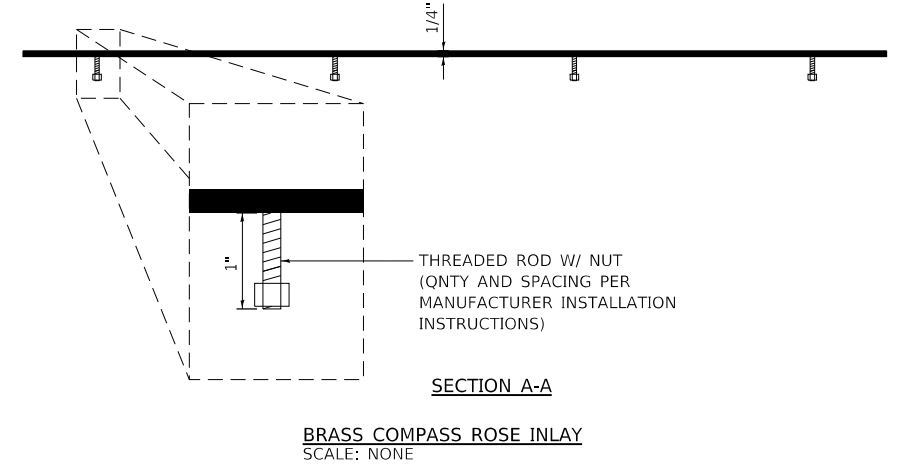
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	685
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPV-RP3(905)				

MSCDET-P06

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- NOTES:
- 1) CORE AND SET THREADED ANCHOR ROD ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS. CORED HOLES SHALL BE ROUGHENED OR SCORED PER MANUFACTURER'S RECOMMENDATIONS. MAXIMUM DEPTH OF HOLE SHALL NOT EXCEED 6"
 - 2) INSTALL ANCHOR RODS 3FT ON CENTER FROM MEMBER ENDS AND AT 12FT MAX. C-C SPACING BETWEEN



USER NAME = mgormely	DESIGNED - MPG	REVISED -
	DRAWN - KRP	REVISED -
PLOT SCALE = 10.00' / in.	CHECKED - DAJ	REVISED -
PLOT DATE = 1/28/2019	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 MISCELLANEOUS DETAIL - BELVEDERE SITE FURNISHINGS

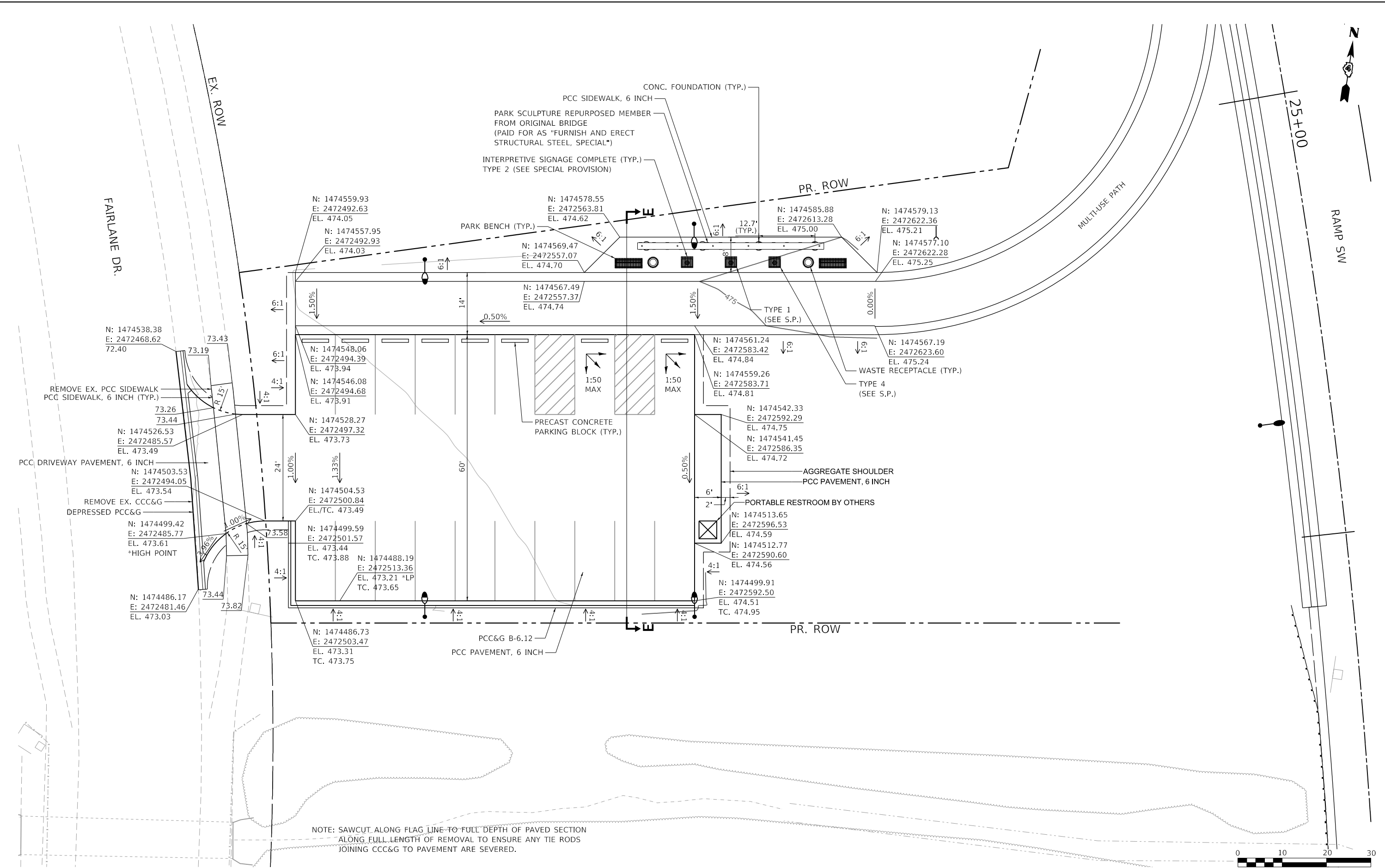
SCALE: 1"=5' SHEET 7 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 317	SECTION [15B;[(102-1),(14HB)]BR]BR	COUNTY PEORIA	TOTAL SHEETS 1361	SHEET NO. 686
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

MSCDET-P07

FINAL SUBMITTAL

MODEL: Default
 FILE: Misc\317\31706\Phase3\CAD\Road\Sheet\DMCC\CEP\misc\317\31706\Road\31706.dwg Lot: E-TYLD.dgn



NOTE: SAWCUT ALONG FLAG LINE TO FULL DEPTH OF PAVED SECTION
 ALONG FULL LENGTH OF REMOVAL TO ENSURE ANY TIE RODS
 JOINING CCC&G TO PAVEMENT ARE SEVERED.



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

USER NAME = mgormely
 PLOT SCALE = 20.00' / in.
 PLOT DATE = 11/28/2018

DESIGNED - MPG
 DRAWN - KRP
 CHECKED - DAJ
 DATE - 11/28/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

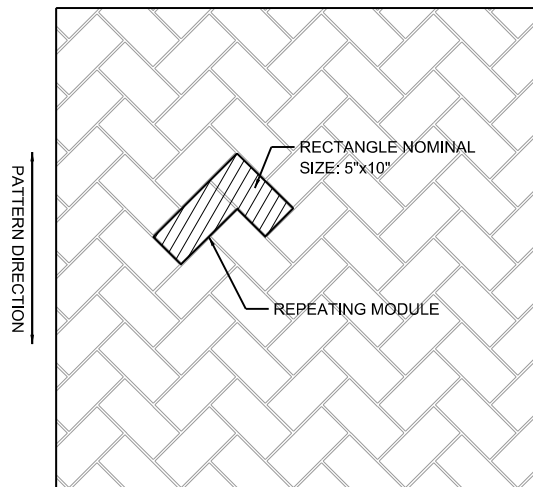
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
 MISCELLANEOUS DETAIL - EAST PARK SITE PLAN

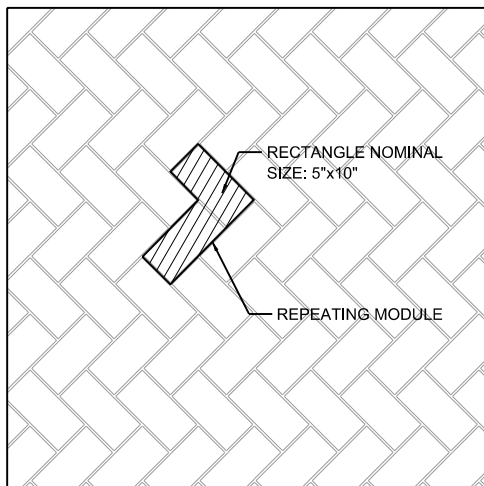
SCALE: 1"=10' SHEET 8 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	687
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

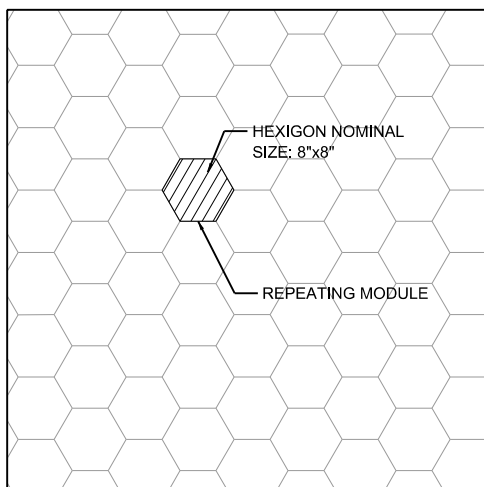
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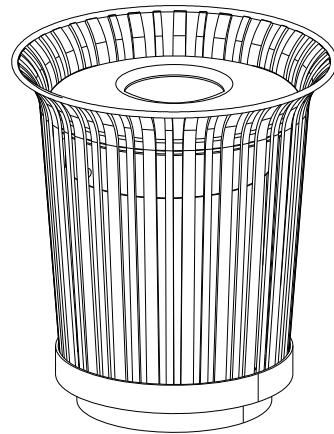
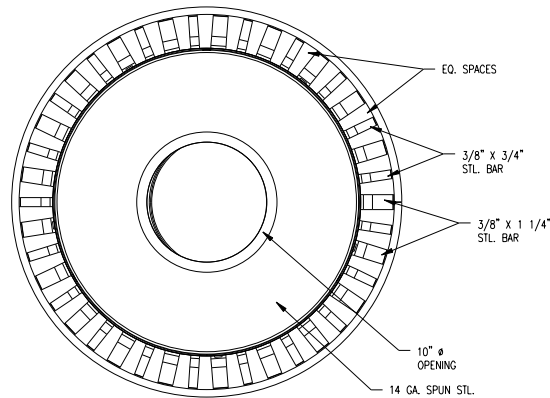
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COLOR: FEDERAL STANDARD 20100



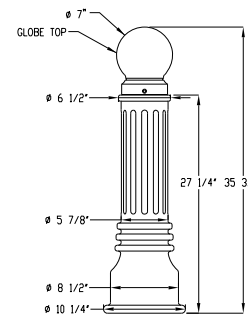
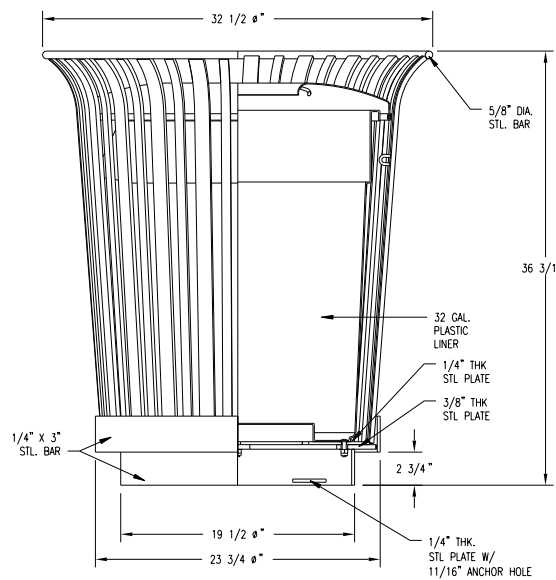
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COLOR: FEDERAL STANDARD 10049



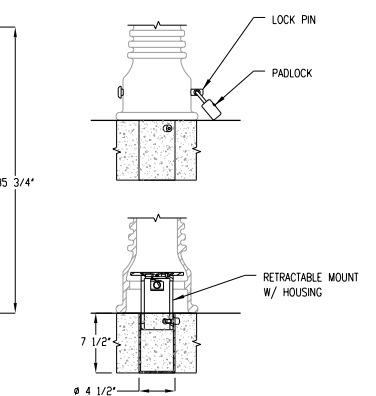
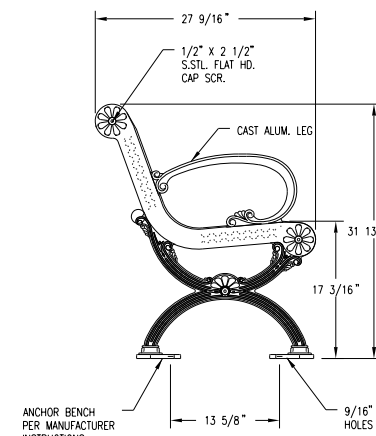
3 PATTERN: HEXAGONAL
COLOR: FEDERAL STANDARD 36173
CONCRETE PAVERS PATTERN DETAIL
SCALE: NONE



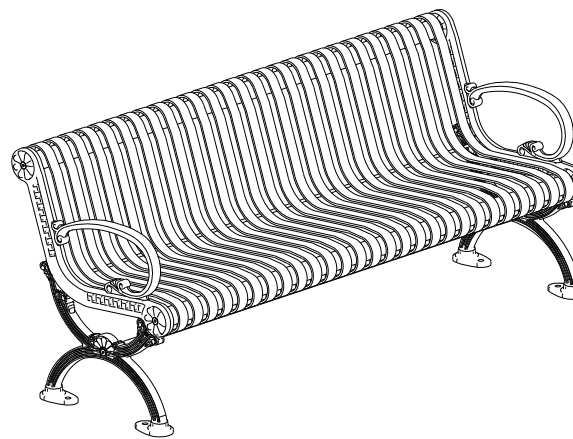
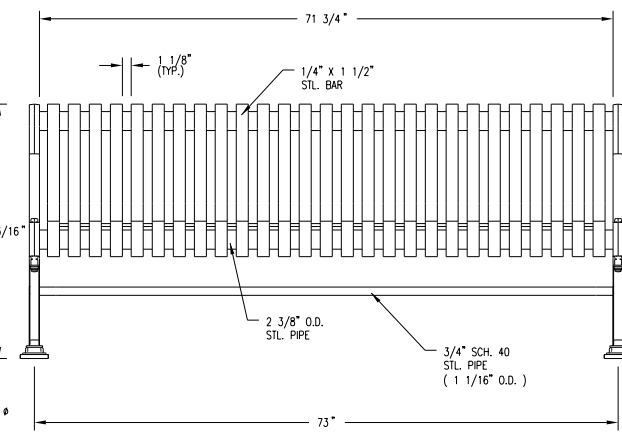
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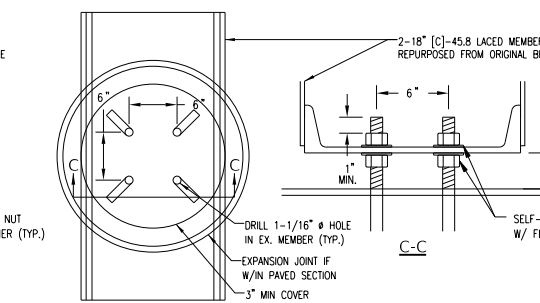
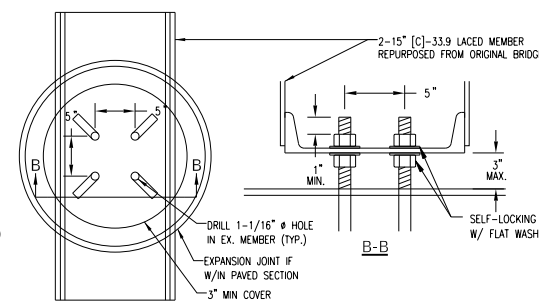
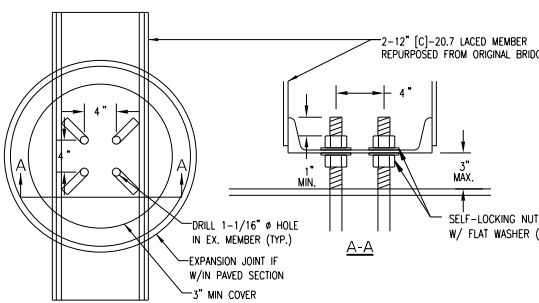
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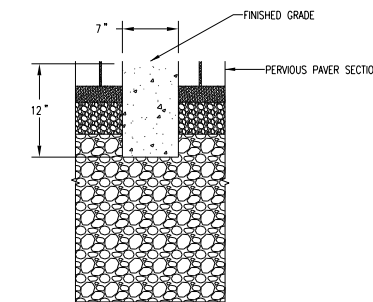
REMOVABLE BOLLARD MOUNT DETAIL
SCALE: NONE



PARK BENCH DETAIL
SCALE: NONE



CONCRETE FOUNDATION FOR STEEL SCULPTURE
SCALE: NONE



CONCRETE CURB (SPECIAL) DETAIL
SCALE: NONE

FINAL SUBMITTAL

MODEL: Default
FILE: Miscell_Pavement_Details.dwg
PROJECT: US 150 Eastbound McClugage Bridge Project
DATE: 11/28/2018

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

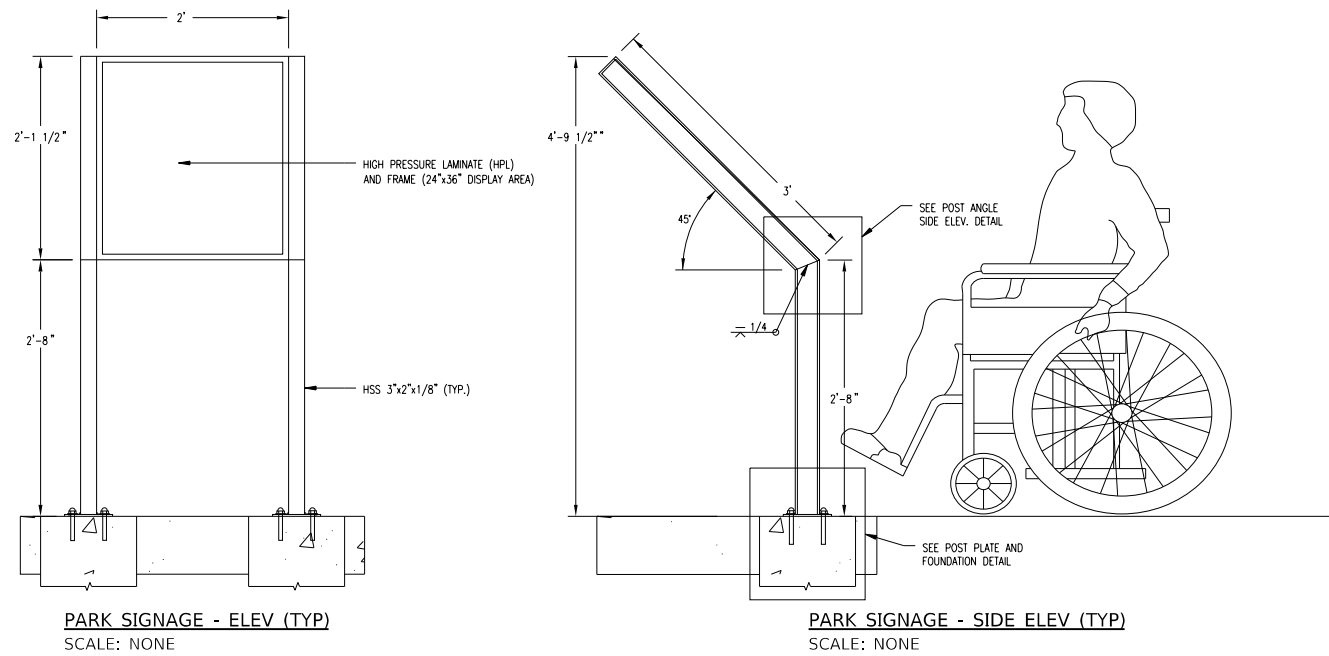
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - SITE FURNISHING DETAILS

SCALE: NONE SHEET 9 OF 14 SHEETS STA. N/A TO STA. N/A

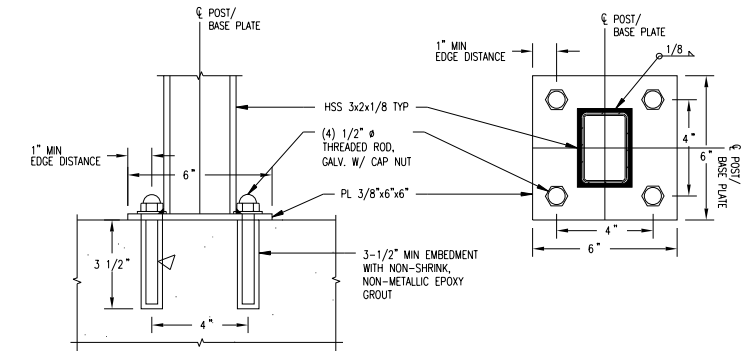
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	PEORIA	1361	688
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHPP-YRP3(905)				

MSCDET-P09

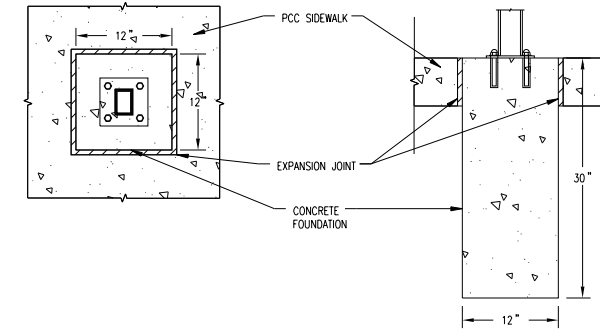


PARK SIGNAGE - ELEV (TYP)
SCALE: NONE

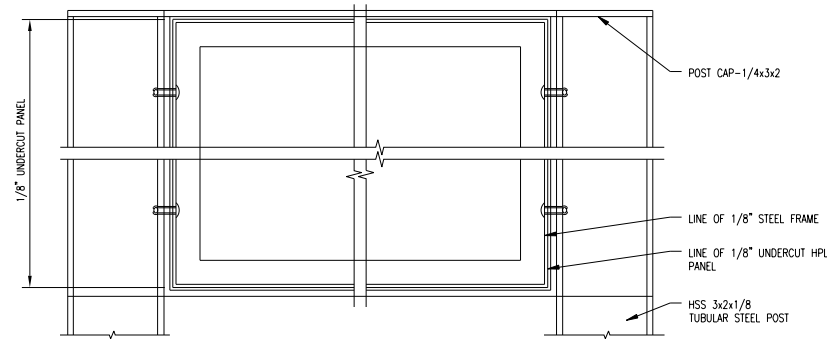
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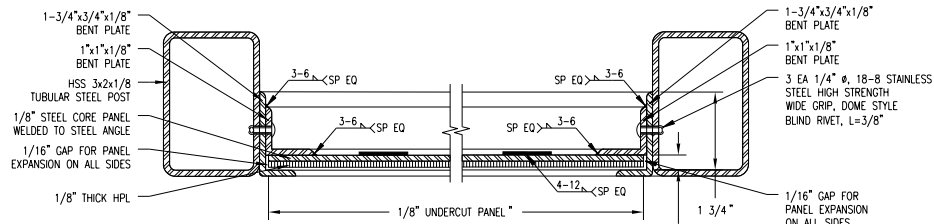
POST BASE PLATE DETAIL
SCALE: NONE



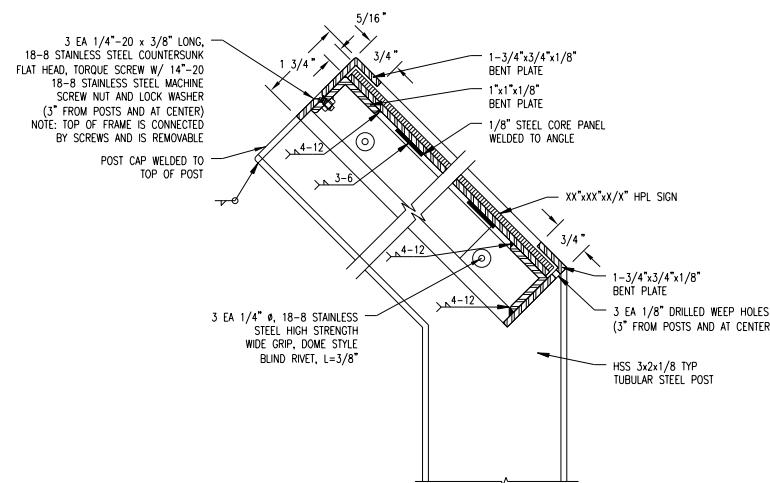
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SCALE: NONE



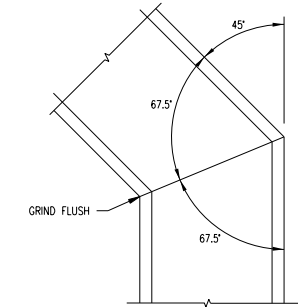
SIGN FRAME - FRONT ELEVATION
SCALE: NONE



SIGN FRAME - TOP SECTION
SCALE: NONE



SIGN FRAME - SIDE SECTION
SCALE: NONE



POST ANGLE-SIDE ELEV, TYP
SCALE: NONE

KEY

- CONCRETE
- STEEL SECTION
- WELD
- HPL SIGN SECTION

FINAL SUBMITTAL

MODEL: Default FILE: MISC_P10_MiscellaneousDetail1300131310106Phase2D:\Drawings\Sheet\DMC\CEP\chicgo_10park_detail_TYL.dgn

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

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

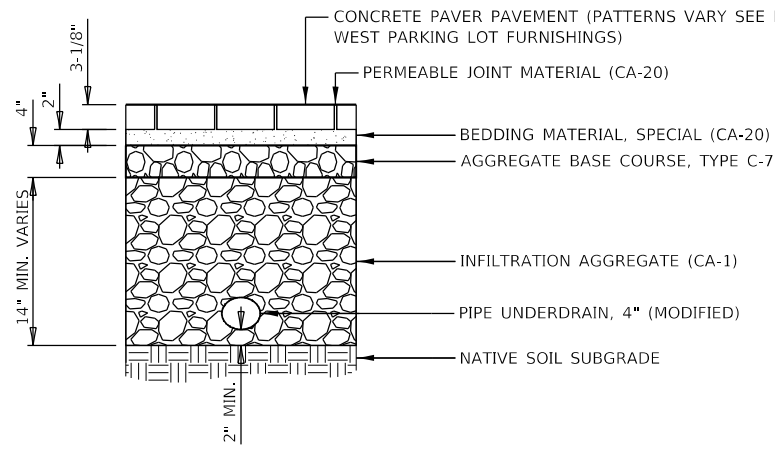
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - SITE FURNISHING DETAILS

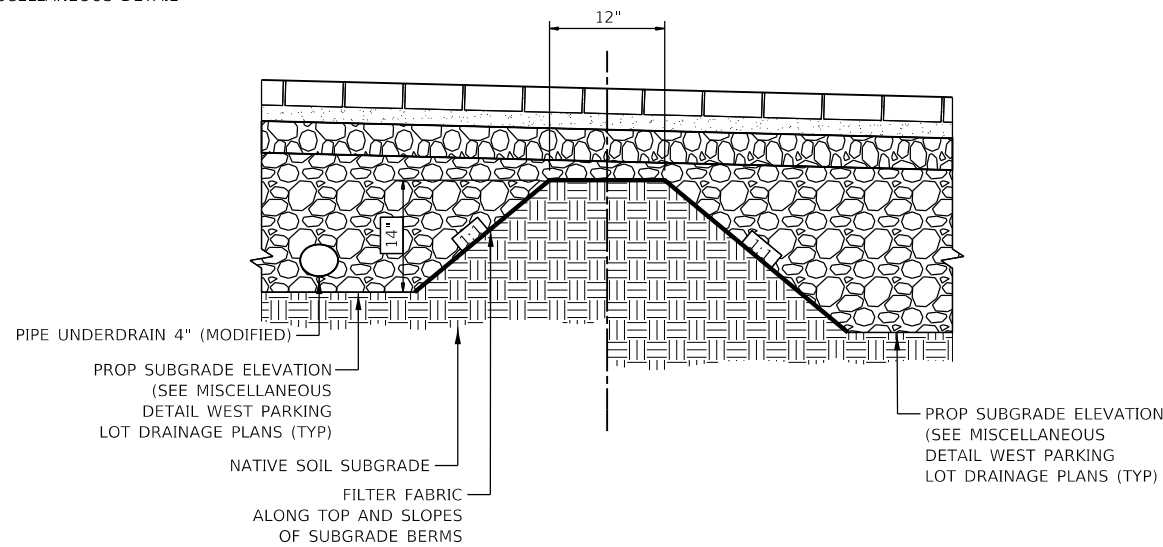
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F.A.P. RTE. 317	SECTION [15B;((102-1),(14HB))BR]BR	COUNTY PEORIA	TOTAL SHEETS 1361	SHEET NO. 689
			CONTRACT NO. 68B46	
		ILLINOIS	FED. AID PROJECT	NHPP-YRP3(905)

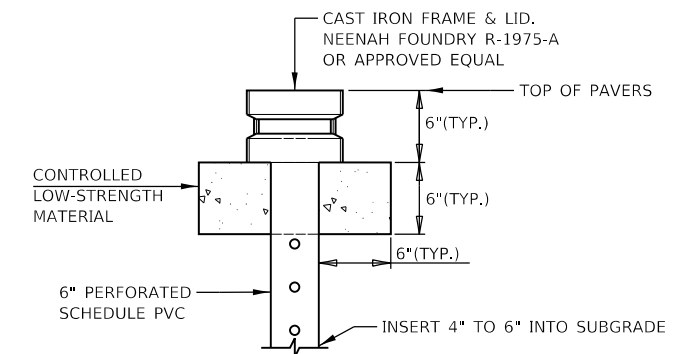
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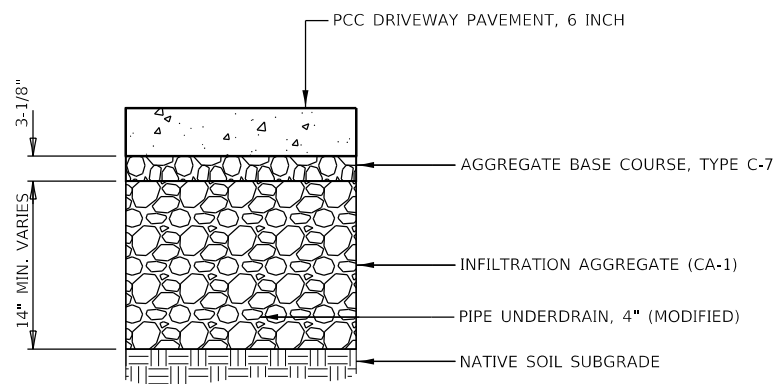
PERMEABLE INTERLOCKING CONCRETE PAVEMENT DETAIL
NOT TO SCALE



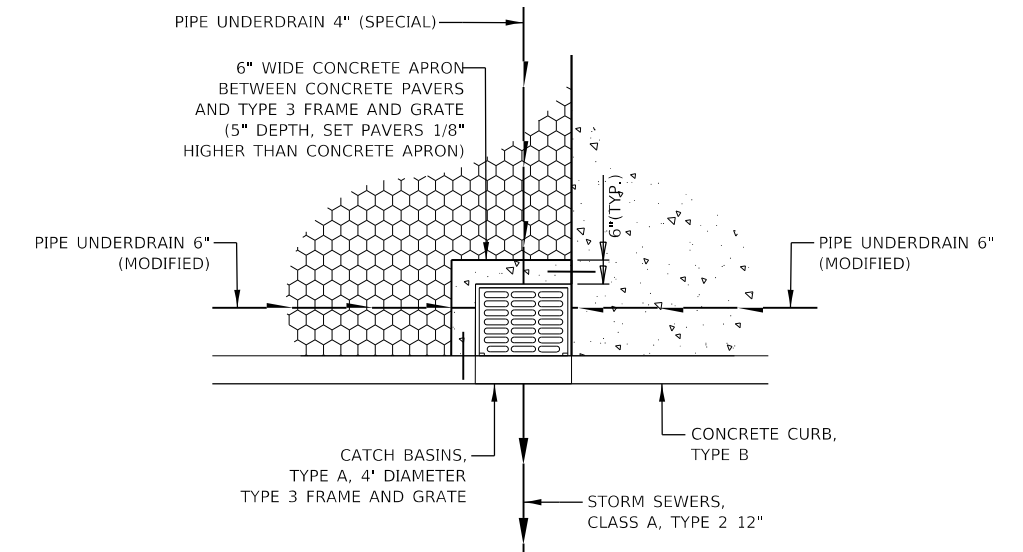
SUBGRADE BERM DETAIL (SECTION I-I)
NOT TO SCALE



INSPECTION WELL DETAIL
NOT TO SCALE



INFILTRATION AGGREGATE UNDER PCC PAVEMENT DETAIL (SECTION J-J)
NOT TO SCALE



DRAINAGE STRUCTURE 146 CONCRETE APRON DETAIL
NOT TO SCALE

- NOTES:
1. CONCRETE APRON AND TIE BARS TO BE INCLUDED IN THE UNIT COST FOR CATCH BASINS, TYPE A, 4' DIAMETER TYPE 3 FRAME AND GRATE
 2. CONNECT TYPE B CURB AND CONCRETE APRON WITH EPOXY COATED #5 TIE BARS 12" LONG

FINAL SUBMITTAL

MODEL: Default
FILE: h:\mfc\317\3170106\Phase3\CAD\Road\Sheet\DWG\CEP-11\Parking Lot - W_Drain\3-11\3-11.dwg

EFK Moen, LLC
Civil Engineering Design

USER NAME = MSillers	DESIGNED - MYS	REVISED -
PLOT SCALE = 20.00' / in.	DRAWN - MSK	REVISED -
PLOT DATE = 11/19/2018	CHECKED - SLD	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - WEST PARK DRAINAGE DETAILS

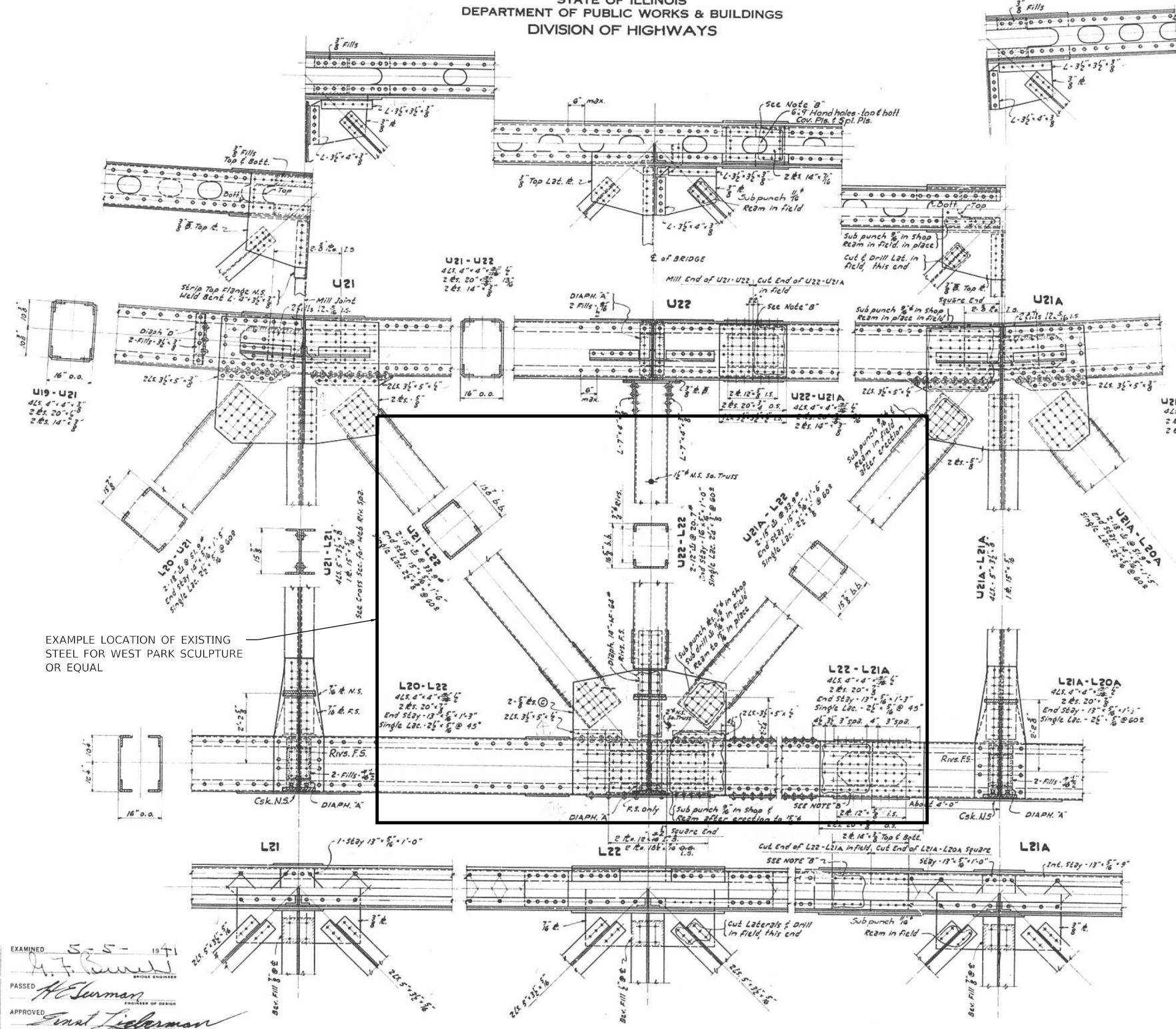
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14HB)]BR]BR	PEORIA	1361	690
			CONTRACT NO. 68B46	
ILLINOIS			FED. AID PROJECT NHPP-YRP3(905)	

MSCDET-P11

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 45
PA 172	15 E	Peoria Tazewell	74	76	63 SHEETS SEC. 15-E 70 - SEC. 15-DF PL
FILE NO.	PROJECT	PROJECT	PROJECT	PROJECT	PROJECT
172	15 E	Peoria Tazewell	74	76	63 SHEETS SEC. 15-E 70 - SEC. 15-DF PL



NOTE "B" - Rivets $\frac{3}{4}$ " unless noted.
All members in closing Panel 22-21A shall be shipped 6' longer than computed length. This shall include Chords, Diagonals, Top & Bottom Laterals, Stringers & Rollings.
Sub punch gusset & splice in shop $\frac{3}{8}$ " cut members to exact measured length in field, sub drill $\frac{3}{8}$ " to complete & ream to $\frac{1}{2}$ " after erection.

See sheet #48 for Ladder & Lighting Details in Panels 21-22 North Truss & 22-21A South Truss.
See sheet #97 for General Notes.

COMPUTED *F.A. Coy. C.R. Thomas*
CHECKED *E.H. Murphy*
DRAWN *C.R. G. G. G. G.*
CHECKED *E.H. Murphy*
ASSEMBLED
CHECKED

EXAMINED *S-S-1971*
PASSED *H. Serman*
APPROVED *Ernest Lieberman*
APPROVED *W.W. Oath*
2-15-1946
CHIEF HIGHWAY ENGINEER

SPANS ~ 12-13-14
TRUSS DETAILS L21 TO L21A
ILLINOIS RIVER BRIDGE
HARVARD ST. - PEORIA
F.A. ROUTE 172 SEC. 15-E.F.S.E.
PEORIA - TAZEWELL COUNTIES

FINAL SUBMITTAL

MODEL: Default
FILE: Model: Project: Documents: 13:00:13:10:106:Phase: 02:CAD:Road:Sheet:DMCC:Sheet:17:Park-Detail:ex_r steel_sculpture.dgn

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

USER NAME = mgormely
PLOT SCALE = 2.00' / in.
PLOT DATE = 11/28/2018

DESIGNED - MPG
DRAWN - KRP
CHECKED - DAJ
DATE - 11/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

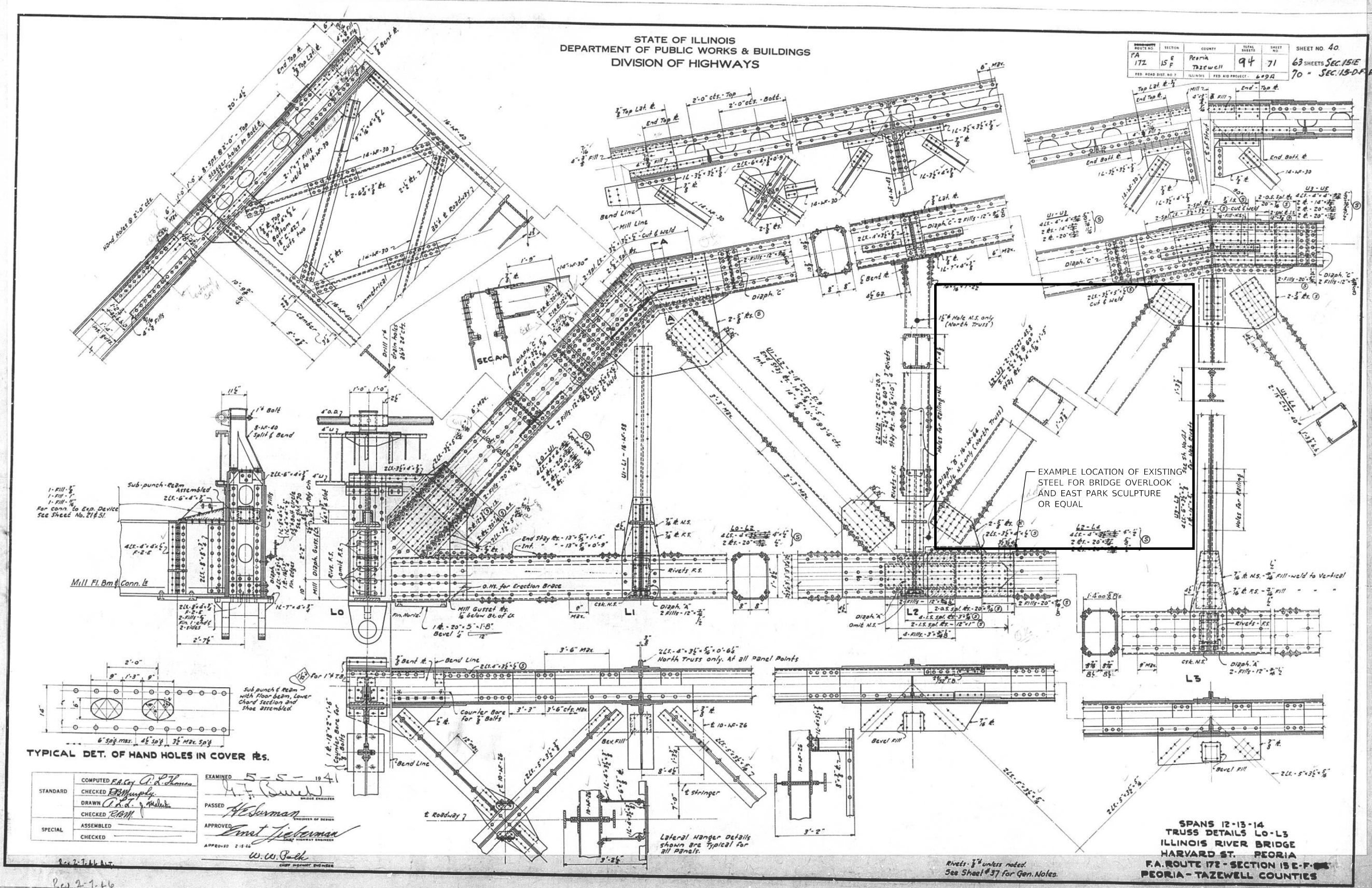
US 150 EASTBOUND MCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - EXISTING STEEL FOR SCULPTURE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14H)]BR]BR	PEORIA	1361	691
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP:YRP3(905)				

MSCDET-P12

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 40
172 15 E	Peoria Tazewell	94 71	63 SHEETS SEC. 15 E	70 = SEC. 15 D-F RL
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT 649A		



EXAMPLE LOCATION OF EXISTING STEEL FOR BRIDGE OVERLOOK AND EAST PARK SCULPTURE OR EQUAL

TYPICAL DET. OF HAND HOLES IN COVER RS.

COMPUTED	F.A. Guy	5-5-1941
CHECKED	P. Murphy	
DRAWN	C. J. ...	
CHECKED	P. M. ...	
ASSEMBLED		
CHECKED		
APPROVED	Ernst Sieberman	
	W. W. Beck	

SPANS 12-13-14
TRUSS DETAILS L0-L3
ILLINOIS RIVER BRIDGE
HARVARD ST. PEORIA
F.A. ROUTE 172 - SECTION 15 E-F-66
PEORIA-TAZEVELL COUNTIES

FINAL SUBMITTAL

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

USER NAME	= mgormely	DESIGNED	- MPG	REVISED	-
PLOT SCALE	= 2.00" / 1 in.	DRAWN	- KRP	REVISED	-
PLOT DATE	= 11/28/2018	CHECKED	- DAJ	REVISED	-
		DATE	- 11/28/2018	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND MCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - EXISTING STEEL FOR SCULPTURE

SCALE: NONE SHEET 13 OF 14 SHEETS STA. N/A TO STA. N/A

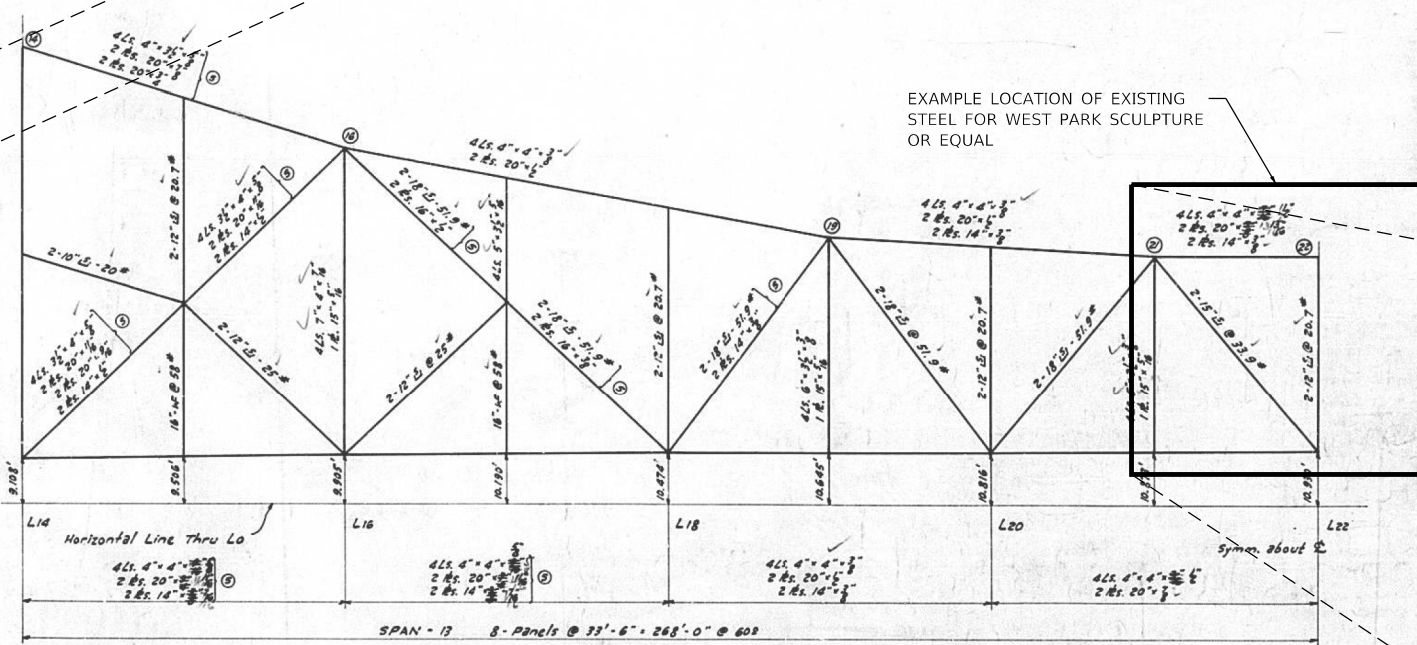
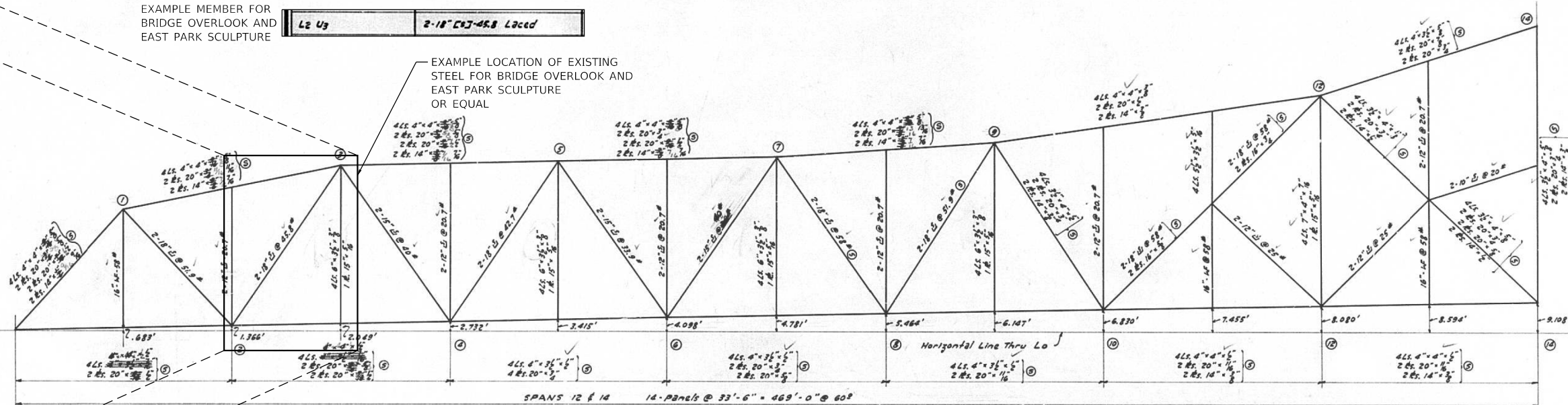
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14H)]BR]BR	PEORIA	1361	692
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B46	
NHP:YRP(3905)				

MSCDET-P13

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 36
FA 172	15 E	Peoria	94	67	63 SHEETS SEC. 15 E
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT - 609A			70 - SEC. 15 D & PL

EXAMPLE MEMBERS FOR WEST PARK SCULPTURE	U ₁ L ₂₂	2-18" C17-39.9 Laced
	U ₂ L ₂ , U ₄ L ₂ , U ₆ L ₂ , U ₈ L ₂	2-12" C17-20.7 Laced
	U ₁₀ L ₂ , U ₁₂ M ₂ , U ₁₄ M ₂ , U ₁₆ M ₂ , U ₁₈ L ₂ , U ₂₀ L ₂ , U ₂₂ L ₂	
EXAMPLE MEMBER FOR BRIDGE OVERLOOK AND EAST PARK SCULPTURE	L ₂ U ₃	2-18" C17-45.8 Laced



MOMENTS & SHEARS FOR FLOOR BEAMS & STRINGERS

MEMBER	MOMENT (FT. KIPS)			REACTION (KIPS)			SECTION
	D	LL+I	TOTAL	D	LL+I	TOTAL	
Curb Stringer	116	211	327	13.9	27.5	41.4	24\" W x 74\" @ 9'
Interior Stringer	95	259	354	11.4	37.3	48.7	24\" W x 80\" @ 9'
End Floor Beam	282	567	849	36.1	59.1	95.2	36\" W x 160\" @ 9'
Interior Floor Beam	509.7	547	1056.7	64.9	57.4	122.3	36\" W x 160\" @ 9'
End Floor Beam (Jacking Steel only)	620		620	236.		236.	

Assumes outer truck wheel on top of sidewalk over Curb Stringer

BILL OF MATERIAL - SPANS - 12-13-14

ITEM	AMOUNT	SECTION
Structural Steel (carbon)	Lbs. 3,000,000	
" (silicon)	Lbs. 2,450,000	15-E-F-P



SAMPLE STEEL SECTION TO BE SALVAGED FOR PARK SCULPTURE

COMPUTED	R.A.G. A.D. Thomas	EXAMINED	5-5-10 J1
CHECKED	B.M. Murphy		
DRAWN	A.D. y. Malick	PASSED	
CHECKED	RAM		
ASSEMBLED		APPROVED	
CHECKED			

Rev. 2-7-66 ERM:ALT

FINAL SUBMITTAL

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

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

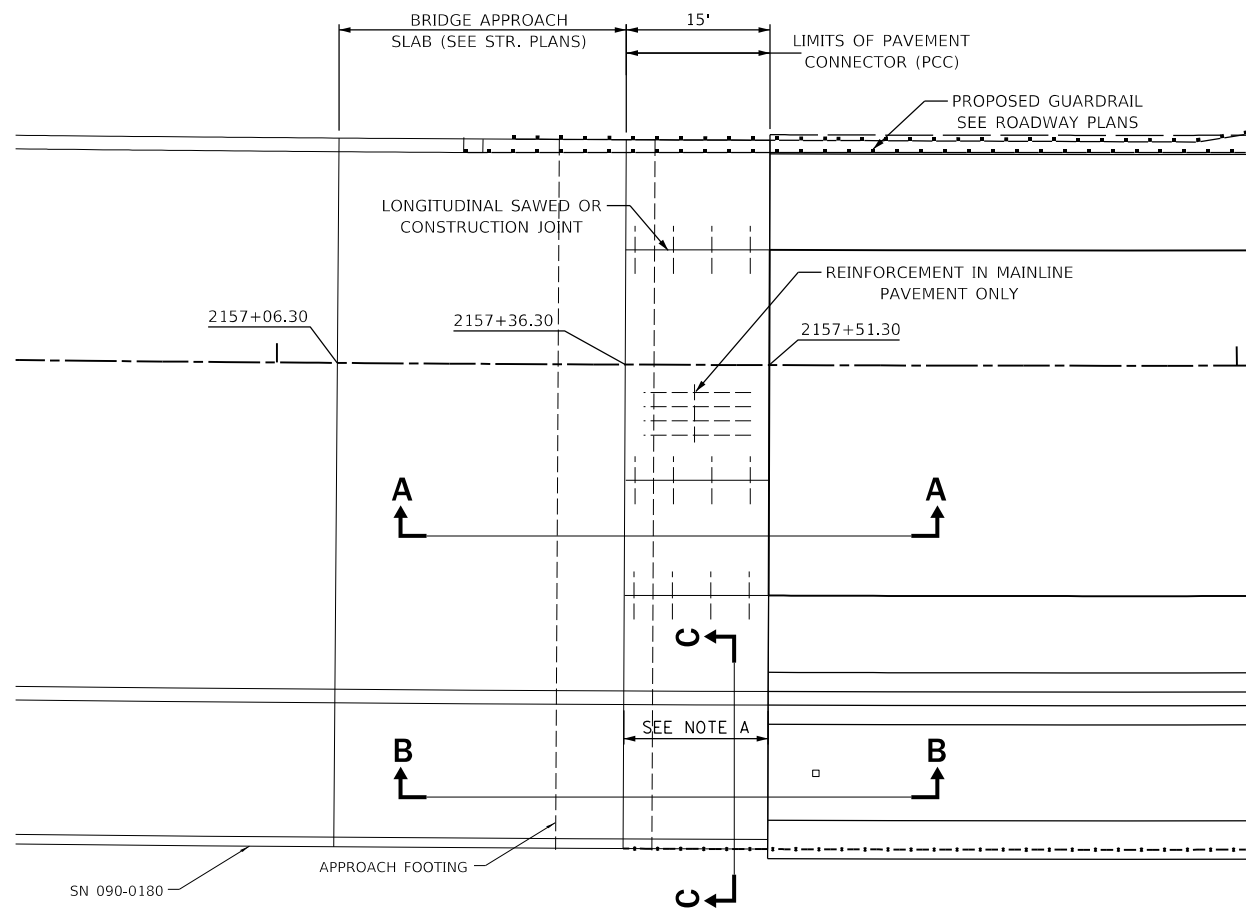
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND MCLUGAGE BRIDGE PROJECT
MISCELLANEOUS DETAIL - EXISTING STEEL FOR SCULPTURE

SCALE: NONE SHEET 14 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;[(102-1),(14H)]BR]BR	PEORIA	1361	693
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

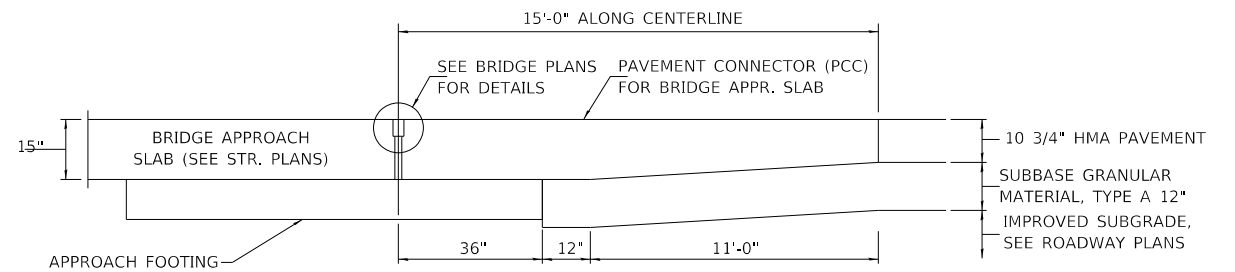
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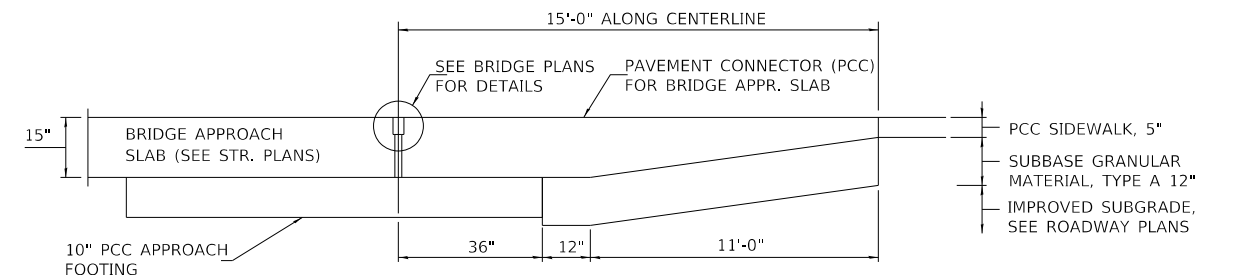
PLAN

NOTE A

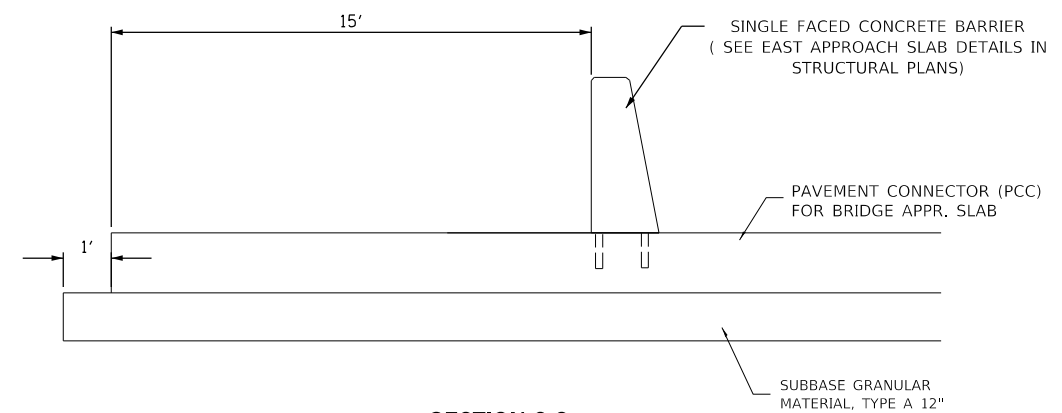
TRANSITION BARRIER HEIGHT FROM 3'-3" AT APPROACH SLAB TO 3'-8" AT END OF PCC CONNECTOR. SEE EAST APPROACH SLAB DETAILS IN STRUCTURAL PLAN FOR STEEL AND CONNECTION REQUIREMENTS



SECTION A-A



SECTION B-B



SECTION C-C

GENERAL NOTES

SEE STANDARD 421001 FOR REINFORCEMENT DETAILS NOT SHOWN

SEE STANDARD 420001 FOR PAVEMENT JOINT DETAILS NOT SHOWN

SEE STANDARD 420401 FOR PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB DETAILS NOT SHOWN

SEE BRIDGE PLANS FOR BRIDGE APPROACH SLAB DETAILS AND APPROACH FOOTING DETAILS

FINAL SUBMITTAL

MODEL: PCC_TYP3
FILE: HANSON_PCC_PAVEMENT_CONNECTOR.dwg
PROJECT: US 150 EASTBOUND BRIDGE PROJECT
DATE: 11/16/2018



USER NAME = oster00605	DESIGNED - JEO	REVISED -
DRAWN - JEO	REVISIONS -	
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PLOT DATE = 11/16/2018	DATE - 11/28/2018	REVISED -

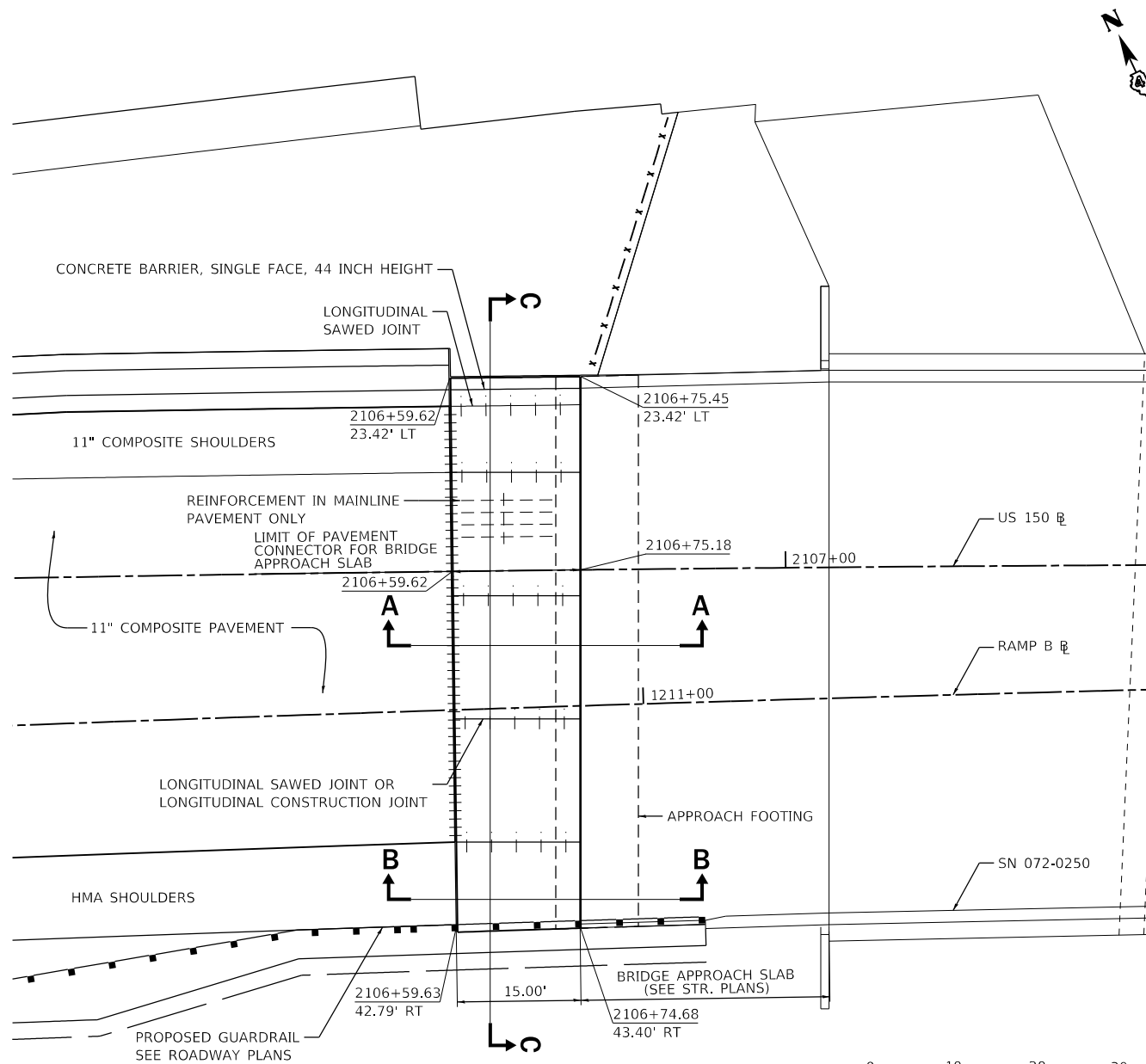
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PCC PAVEMENT CONNECTOR - US 150 EAST

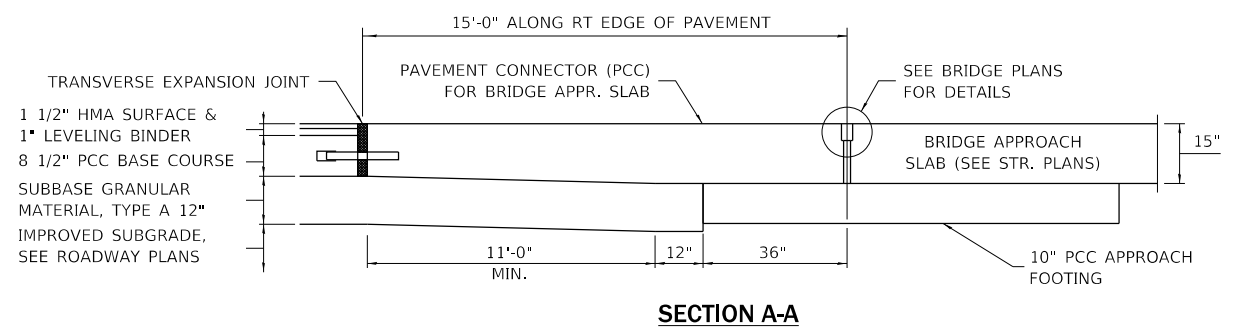
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;((102-1),(14HB))BR]BR	TAZEWELL	1361	694
CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

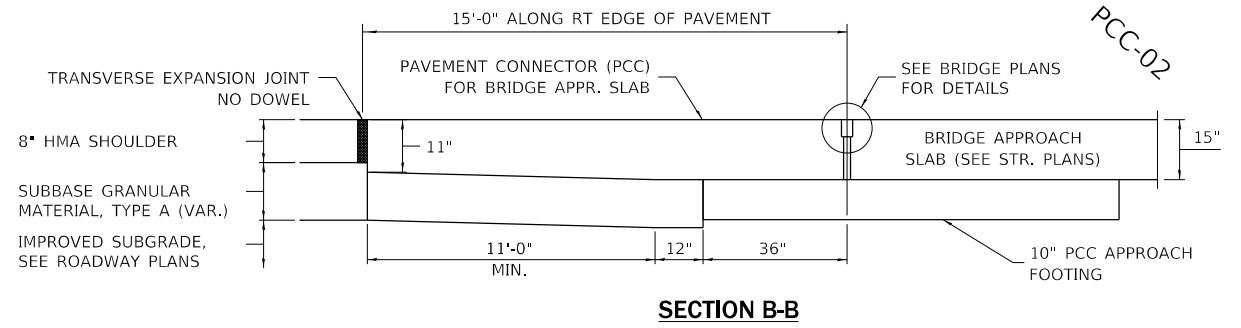
PCC-03



PLAN



SECTION A-A

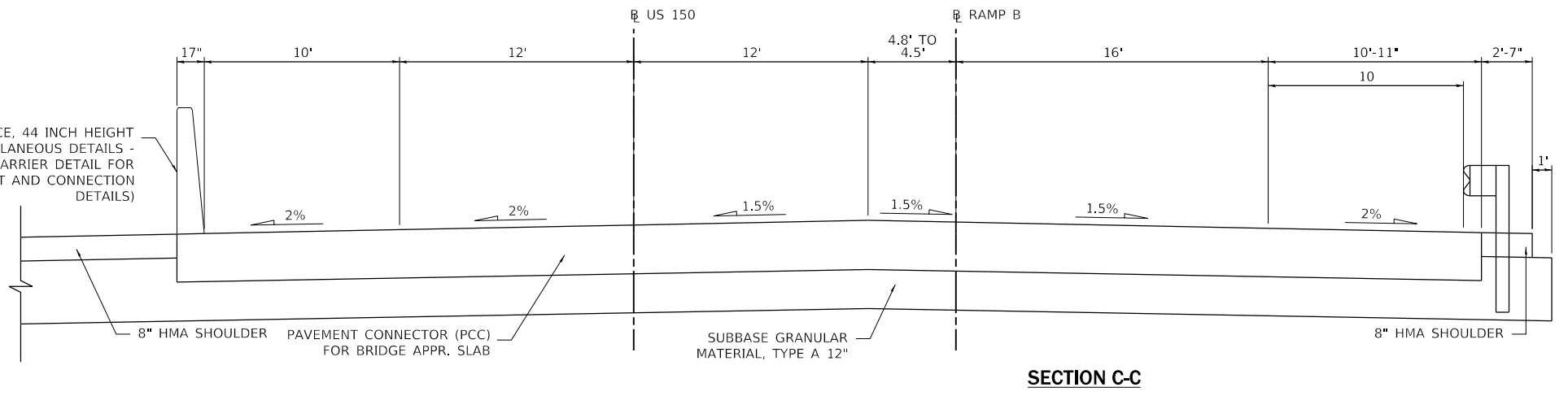


SECTION B-B

GENERAL NOTES

- SEE STANDARD 421001 FOR REINFORCEMENT DETAILS NOT SHOWN
- SEE STANDARD 420001 FOR PAVEMENT JOINT DETAILS NOT SHOWN
- SEE STANDARD 420401 FOR PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB DETAILS NOT SHOWN
- SEE BRIDGE PLANS FOR BRIDGE APPROACH SLAB DETAILS AND APPROACH FOOTING DETAILS
- STATION OFFSET NOTES ARE TO CENTER OF JOINT

CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT (SEE MISCELLANEOUS DETAILS - CONCRETE BARRIER DETAIL FOR REINFORCEMENT AND CONNECTION DETAILS)



SECTION C-C

FINAL SUBMITTAL

MODEL: Default
FILE: \\mhc\p\2016\hamon\cdm\hamon\Project\317\1310106\Phase-3\CAD\Road\Sheet\DMHCEP-pcc-connector_US150_TYI.dgn

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

USER NAME = mgormely
DESIGNED - MPG
DRAWN - MPG
CHECKED - DAJ
DATE - 11/28/2018

REVISIONS:
REVISOR: -
DATE: -
REVISOR: -
DATE: -
REVISOR: -
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REVISOR: -
DATE: -

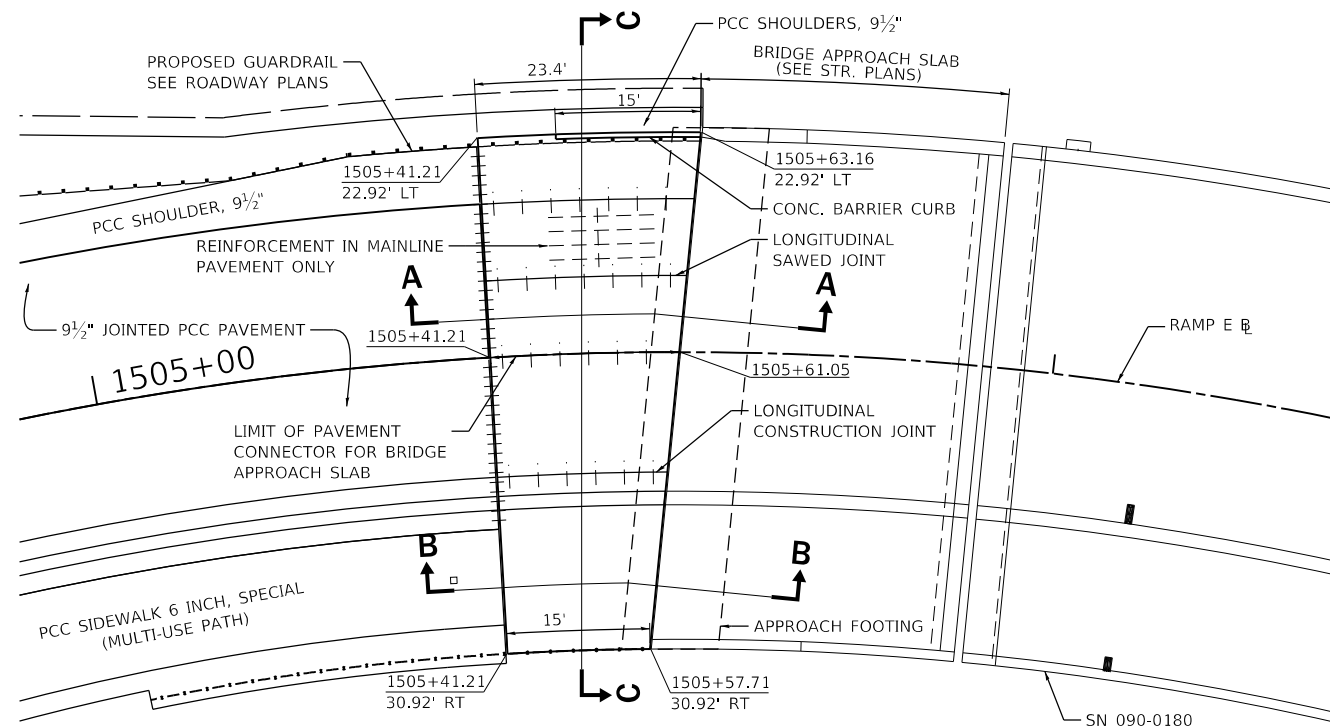
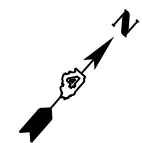
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PCC PAVEMENT CONNECTOR - US 150 WEST

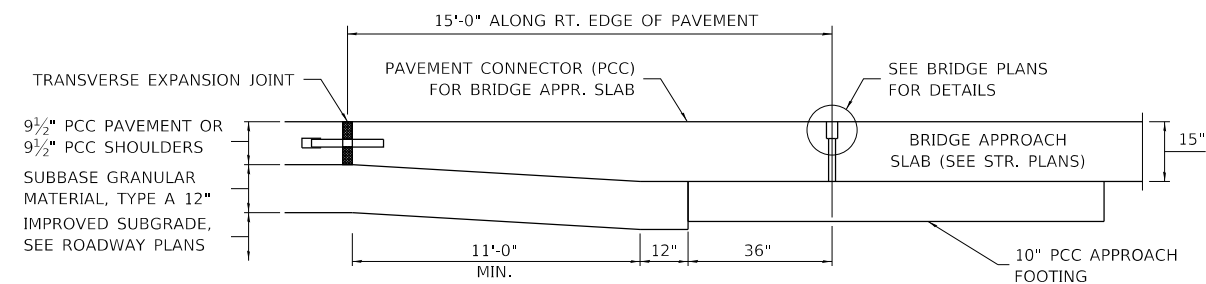
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}BR]BR	PEORIA	1361	695
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

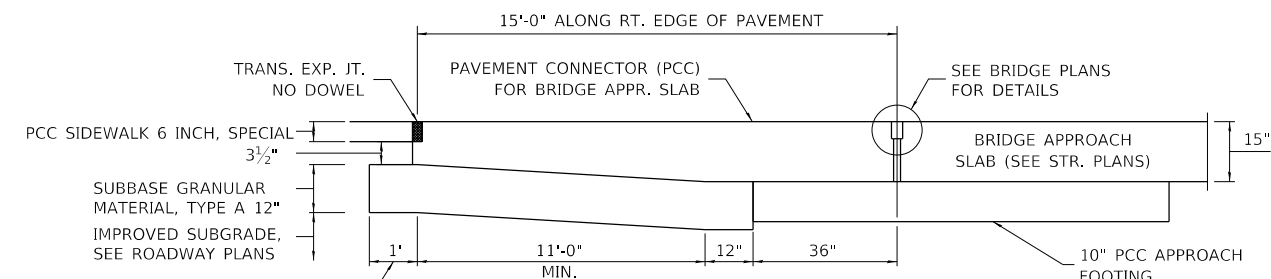
PCC-02



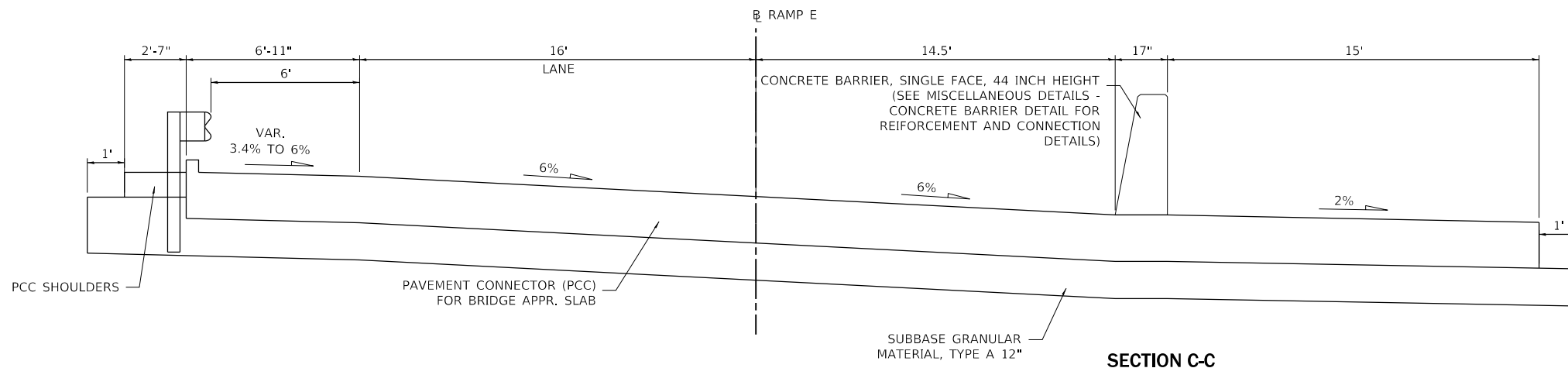
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

GENERAL NOTES

- SEE STANDARD 421001 FOR REINFORCEMENT DETAILS NOT SHOWN
- SEE STANDARD 420001 FOR PAVEMENT JOINT DETAILS NOT SHOWN
- SEE STANDARD 420401 FOR PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB DETAILS NOT SHOWN
- SEE BRIDGE PLANS FOR BRIDGE APPROACH SLAB DETAILS AND APPROACH FOOTING DETAILS
- STATION OFFSET NOTES ARE TO CENTER OF JOINT

FINAL SUBMITTAL

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PROJECT: US150 Eastbound McClugage Bridge Project - PCC Pavement Connector - Ramp E - 11/12/2018

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

USER NAME = mgormely
PLOT SCALE = 20.00' / in.
PLOT DATE = 12/12/2018

DESIGNED - MPG
DRAWN - MPG
CHECKED - DAJ
DATE - 11/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
PCC PAVEMENT CONNECTOR - RAMP E

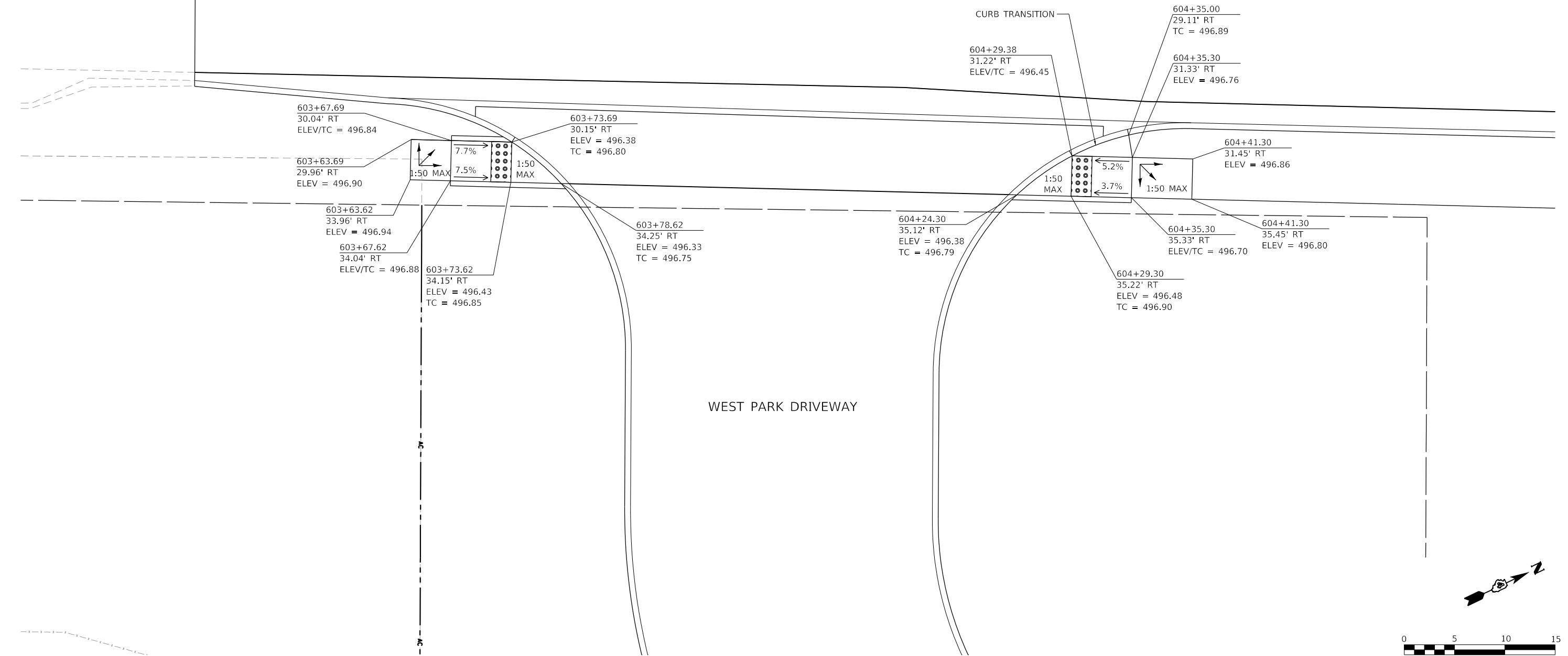
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	[15B;{(102-1),(14HB)}]BR]BR	PEORIA	1361	696
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPY-RP3(905)				

PCC-01

IL RTE 29 (SE ADAMS ST)

604+00



FINAL SUBMITTAL

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

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - KRP	REVISED -
PLOT DATE = 11/28/2018	CHECKED - MPG	REVISED -
	DATE - 11/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

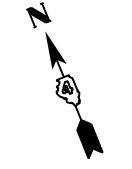
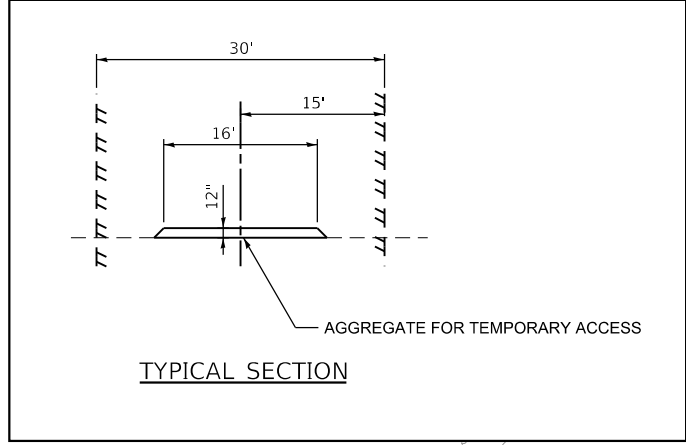
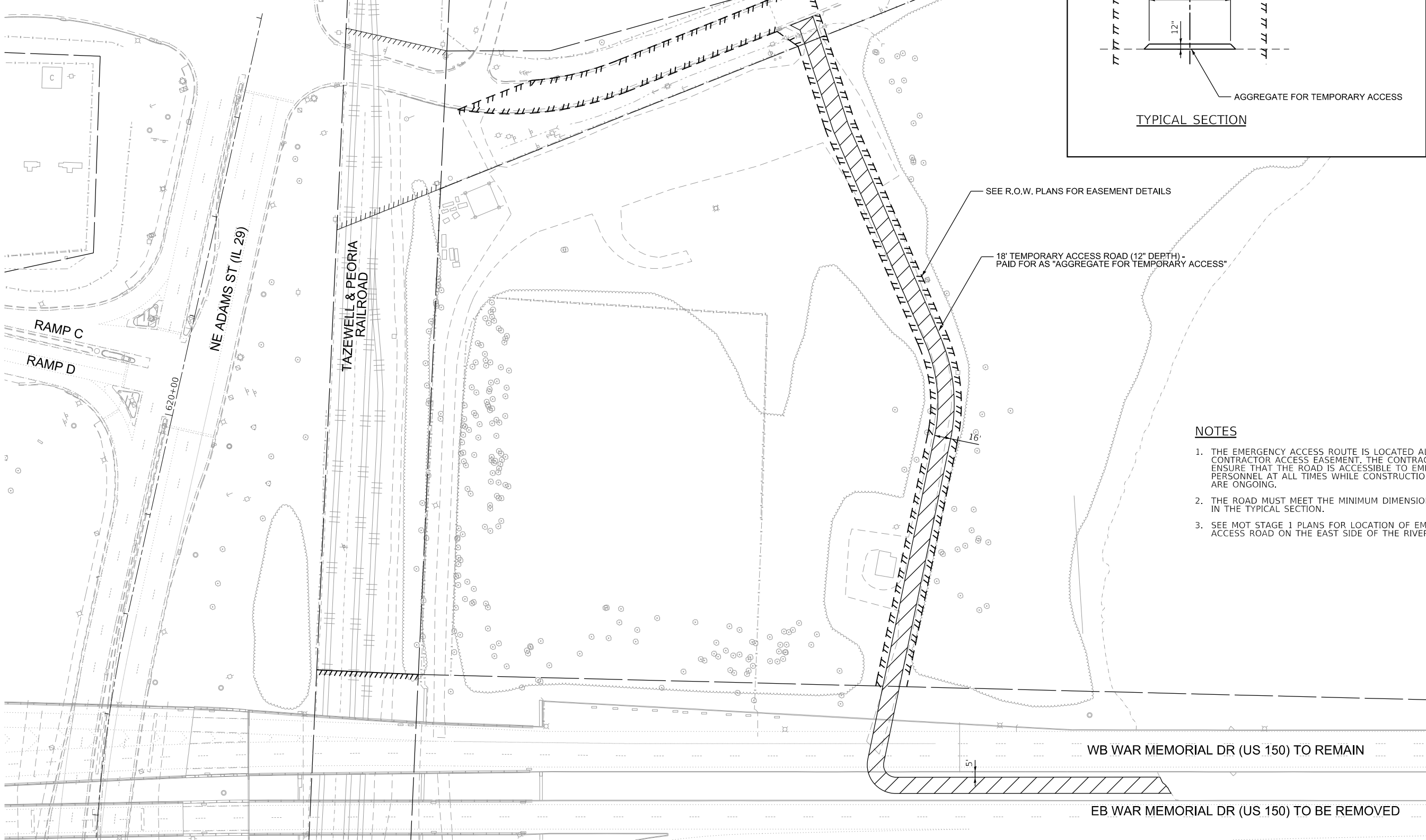
US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
SIDEWALK ADA RAMP DETAILS - WEST PARK ENTRANCE

SCALE: 1"=5' SHEET 3 OF 3 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	699
CONTRACT NO. 68B46			ILLINOIS FED. AID PROJECT NHPP-YRP3(905)	

ADADET-W03

LORENTZ AVE



SEE R.O.W. PLANS FOR EASEMENT DETAILS

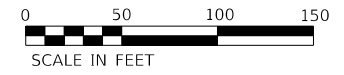
18' TEMPORARY ACCESS ROAD (12" DEPTH) - PAID FOR AS "AGGREGATE FOR TEMPORARY ACCESS"

NOTES

1. THE EMERGENCY ACCESS ROUTE IS LOCATED ALONG THE CONTRACTOR ACCESS EASEMENT. THE CONTRACTOR SHALL ENSURE THAT THE ROAD IS ACCESSIBLE TO EMERGENCY PERSONNEL AT ALL TIMES WHILE CONSTRUCTION ACTIVITIES ARE ONGOING.
2. THE ROAD MUST MEET THE MINIMUM DIMENSIONS AS SHOWN IN THE TYPICAL SECTION.
3. SEE MOT STAGE 1 PLANS FOR LOCATION OF EMERGENCY ACCESS ROAD ON THE EAST SIDE OF THE RIVER.

WB WAR MEMORIAL DR (US 150) TO REMAIN

EB WAR MEMORIAL DR (US 150) TO BE REMOVED



FINAL SUBMITTAL

MODEL: Default
FILE: \\mhc\p\2016\hanson\dom\hanson\Project\3D\Road\Sheet\DWG\CEB\chc\mhc_TCS90ash-WEST-TYLDgn

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

USER NAME = mgormely
PLOT SCALE = 100.00' / in.
PLOT DATE = 11/28/2018

DESIGNED - MPG
DRAWN - MPG
CHECKED - DAJ
DATE - 11/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 EASTBOUND McCLUGAGE BRIDGE PROJECT
EMERGENCY RIVER ACCESS - PEORIA CO.

SCALE: 1"=50' 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	PEORIA	1361	700
CONTRACT NO. 68B46				
ILLINOIS FED. AID PROJECT NHPP-YRP3(905)				

TCSR 01