GENERAL NOTES

Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas, except as noted. Bolts $\frac{7}{8}$ in. diameter, holes $\frac{15}{16}$ in. diameter, unless otherwise noted. Fasteners connecting galvanized members or connecting a painted member to an unpainted galvanized member shall be ASTM F3125 Grade A325 Type 1, hot dip galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel." Bolts $\frac{7}{8}$ in. diameter holes $\frac{15}{16}$ in. diameter, unless otherwise noted.

Calculated weight of Structural Steel Repair = 24,110 lbs (Grade 36) (1)

All new structural steel shall be AASHTO M270 Grade 36.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC-SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.

Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor shall field verify all proposed plate and angle dimensions and spacing of holes prior to ordering steel.

Gaps between the existing steel and the new steel angles and / or plates, as well as abandoned holes to be covered by new steel plates and / or angles, shall be sealed with an approved polyurethane sealant. The sealant shall be compatible with the proposed paint system and shall be submitted to the Engineer for approval prior to use. All costs associated with the installation of the sealant shall be included with the cost for Structural Steel Repair.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The Organic Zinc Rich Primer / Epoxy / Urethane paint system shall be used for shop and field painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that the exterior surfaces and bottom of the bottom flange of fascia beams, masked off connection surfaces, and field installed fasteners, shall all be touched up and finish coated in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the finish coat for the exterior surfaces and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8.

Cleaning and painting of existing structural steel in the areas of structural repairs or new structural installations shall be as specified in the special provision for Cleaning and Painting Contact Surface Areas of Existing Steel Structures.

The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system. See special provisions.

A minimum of 2 air monitors will be required to monitor abrasive blasting operations at this site. See special provision for "Containment and Disposal of Lead Paint Cleaning Residues."

The Contractor shall sequence construction in order to complete work in accordance with the required completion date. See the Special Provision for working restrictions.

The Contractor is required to provide Structural Assessment Reports for the proposed work. See Special Provision.

The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Structures-Highway: Complex and Structures-Movable, for preparation of the Structural Assessment Reports. Contractor's pre-approval shall not be applicable for this project. See Special Provision.

Current Ratings on File for Existing Structure
Inventory: HS 12.4
Operating: HS 26.8
Live Load Restrictions: Single Unit Vehicle: 26 Tons

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.

STRUCTURAL STEEL REPAIR GENERAL NOTES

Repair plates, fill plates, and repair angles may require field adjustment to fit actual as-built conditions. Cost included in Structural Steel Repair.

Repair plates, fill plates, and repair angles have been sized per available existing plan information. Bolt layout for replacement of existing fasteners with new bolts in existing holes are also based on existing plan information. Dimensions shall be field verified to confirm.

Unless noted otherwise, the as-designed repair details do not require temporary support for structural members. If additional fasteners need to be removed beyond those shown, the Contractor shall submit a procedure for review and approval by the Engineer. If necessary, the Contractor shall provide temporary support for members due to the additional fastener removal.

Trimming of repair plates, fill plates, and angles to accommodate existing fasteners not used in the repair shall occur by saw cutting or grinding. Minimum radius of 1" shall be maintained. Flame-cutting is not permitted. All cut edges shall be ground smooth to an ANSI 500 finish.

Sealant shall be compatible with the proposed paint system and shall be submitted to the Engineer for approval prior to use. All costs associated with the installation of the sealant shall be included in Structural Steel Repair.

STRUCTURAL STEEL REPAIR PROCEDURES

Provided the Contractor complies with the load restrictions assumed during design (see Structural Steel Repair Load Restrictions section this sheet), there is no limit to the number of steel repair locations that can be simultaneously repaired.

The Contractor will be allowed to remove rivets and replace with temporary high-strength bolts in advance of repair plate and/or angle installation. Flame cutting for rivet removal is not permitted.

Contractor shall install repair plates, fill plates, and angles one at a time at each steel repair location.

For each individual repair plate or angle, the Contractor may remove all rivets to be replaced at the same time to facilitate fit-up and match-marking of holes.

Bolt holes will not be left open overnight. The Contractor shall complete the installation of individual plates or angles at the end of each day. The completion of the installation of all plates and angles at a repair location at the end of each day is not required.

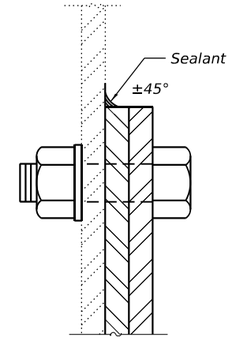
Upon completion of repairs and coating touch-up, joint sealant shall be installed all around perimeter of plys between existing steel and the new steel angles and/or plates per Detail 1 and as directed by the Engineer. After the sealant has cured in accordance with the manufacturer's written product data sheet, a stripe finish shall be applied over the sealant.

STRUCTURAL STEEL REPAIR LOAD RESTRICTIONS

Construction loading assumptions for design consisted of a 20 psf construction load over the lane closed to traffic, an HS-20 live load in the open lane, and dead load of the structure which including the weight of the temporary concrete barrier. The 20 psf construction load was positioned or applied in order to maximize the load for each individual member.

The Contractor shall confirm that the combined weight of construction vehicles, equipment, work platforms and stockpiled materials comply with the noted design assumptions at all times during structural steel repairs. The Contractor shall submit construction weights and sequencing to the Engineer for approval.

See the individual structural repair detail sheets for additional restrictions.



DETAIL 1 - SEALANT

1 REVISED 2-6-2026

MODEL: B_Sheet_Consultant
FILE NAME: \\mm.ldit_Data\Projects\5018-Joe Page Bridge Phase II Rehab\CADD\Structural_Addendum 1\031000l-76T66-041-GN.dgn

2/2/2026 4:03:23 PM

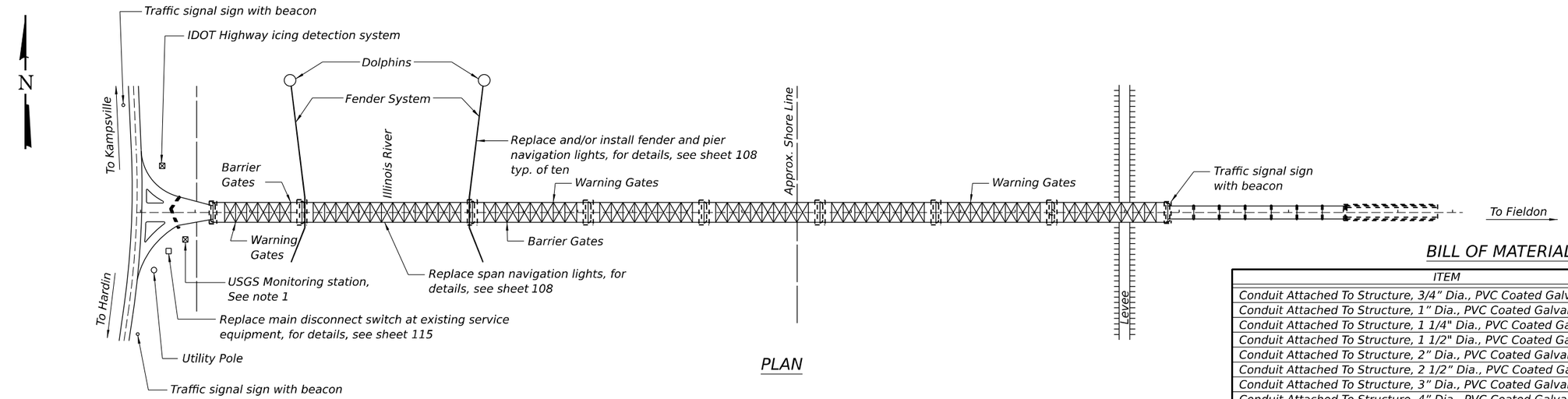
MODJESKI and MASTERS

USER NAME =	DESIGNED - JAD	REVISED -	2/3/2026 JAD
	CHECKED - RKA	REVISED -	
PLOT SCALE =	DRAWN - ELK	REVISED -	
PLOT DATE =	CHECKED - JAD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND PROCEDURES
STRUCTURE NO. 031-0001
SHEET 41 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	41
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		

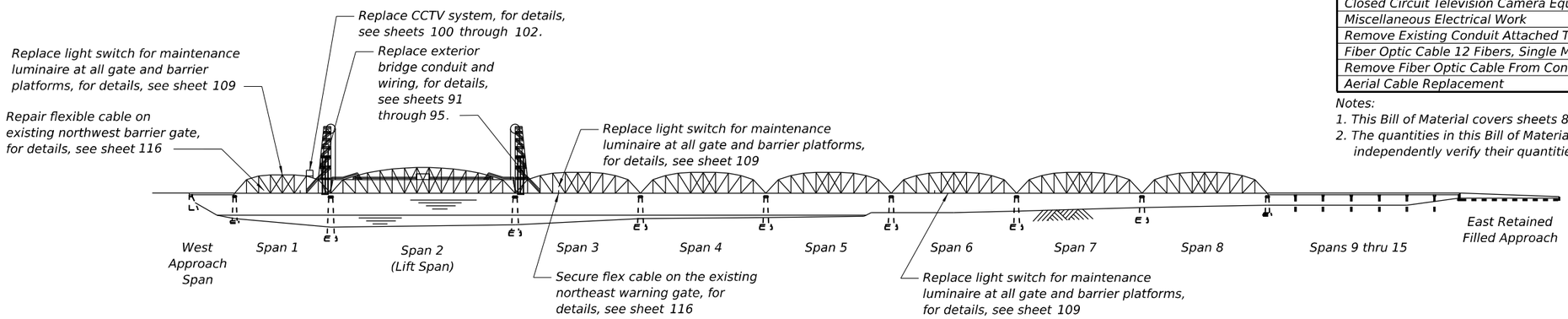


PLAN

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Conduit Attached To Structure, 3/4" Dia., PVC Coated Galvanized Steel	Foot	4,200
Conduit Attached To Structure, 1" Dia., PVC Coated Galvanized Steel	Foot	1,750
Conduit Attached To Structure, 1 1/4" Dia., PVC Coated Galvanized Steel	Foot	1,750
Conduit Attached To Structure, 1 1/2" Dia., PVC Coated Galvanized Steel	Foot	1,500
Conduit Attached To Structure, 2" Dia., PVC Coated Galvanized Steel	Foot	700
Conduit Attached To Structure, 2 1/2" Dia., PVC Coated Galvanized Steel	Foot	1,000
Conduit Attached To Structure, 3" Dia., PVC Coated Galvanized Steel	Foot	500
Conduit Attached To Structure, 4" Dia., PVC Coated Galvanized Steel	Foot	900
Remove Electric Cable From Conduit	Foot	240,000
Maintenance Of Bridge Electrical System	L Sum	1
Closed Circuit Television Camera Equipment	Each	1
Miscellaneous Electrical Work	L Sum	1
Remove Existing Conduit Attached To Structure	Foot	11,000
Fiber Optic Cable 12 Fibers, Single Mode	Foot	3,025
Remove Fiber Optic Cable From Conduit	Foot	1,400
Aerial Cable Replacement	Foot	3,750

Notes:
1. This Bill of Material covers sheets 86 through 117.
2. The quantities in this Bill of Material are estimates only. Contractor should independently verify their quantities needed.



ELEVATION

ELECTRICAL GENERAL NOTES:

1. Electrical work for this project primarily consists of 1) replacing bridge exterior conduit, cable, wiring, and raceway, 2) replacing some existing equipment with new as specified in the electrical equipment schedule and the electrical sheets, 3) installing new CCTV and Public Address systems, 4) installing new marine navigation lights, conductors, and conduit, and 5) troubleshooting and adjusting motor drive settings.
2. All work shall comply with the current edition of the National Electrical Code in effect at the bid opening time, AASHTO, and all applicable state and/or local codes.
3. In no way shall these plans be interpreted as requiring a violation of the National Electrical Code, or any other applicable Federal, State, or Local Code or regulation. In any case of dispute between these plans and the National Electrical Code, the more stringent requirement shall govern.
4. The installation of all equipment and materials shall comply with their respective manufacturers' recommendations and installation procedures.
5. The Contractor is required to deliver a complete, working, and safe electrical system.
6. Variations from these plans must be submitted to the Engineer for approval. All changes shall be reflected in the as-built drawings.
7. The Contractor is required to coordinate with the local Electric Utility Company for all electric service interruptions required for completion of the work.
8. The Contractor shall bear full responsibility for verification of all relevant dimensions, quantities, equipment specifications, electrical loads, circuit loads, and similar information prior to purchase and/or fabrication of equipment or materials. Equipment ratings and/or wire sizes shown on the plans shall be increased where required by the loads serviced.
9. The Contractor is responsible for supplying any temporary power required. A generator and existing emergency drive motor are currently installed on the bridge. Although not part of the scope of work, they are functional and available for temporary bridge operations.
10. Where details are not provided or fully developed, the Contractor shall provide the additional detail development necessary to provide and submit layout drawings and shop drawings for review.
11. Unless otherwise noted, all equipment is existing to remain.
12. All exterior structure-mounted conduit shall be hot-dipped galvanized conduit with a factory-applied PVC coating, at least 40 mil thick. Provide an exterior coating that is permanently fused to the hot-dip galvanized surface of the conduit. Ensure the adhesion of the PVC coating to the conduit is greater than the strength of the coating itself. Provide NRTL listed overall conduit with the PVC coating as the primary corrosion protection and the underlying galvanized coating as the supplemental protection.
13. Contractor shall submit conductor field verification procedure for Engineer approval. The contractor shall utilize the as-built drawings to determine the tagging required for wires and terminals.
14. All stainless steel hardware called out shall be Type 316. Contractor to provide insulating means to isolate all dissimilar metals.

1

Note:
1. USGS Monitoring station and related equipment not to be disturbed during construction. See specifications.

1 REVISED 2-6-2026

MODEL: Bt_Sheet_Consultant
FILE NAME: \\mn.tdl\IL_Data\Projects\50\18-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum1\103100001-76T66-086-EPlanElev1.dgn
2/2/2026 10:10:55 AM

MODJESKI and MASTERS

USER NAME =	DESIGNED - LMA	REVISED - 2/3/2026 GTW	
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - LMA	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL PLAN AND ELEVATION - 1
STRUCTURE NO. 031-0001
SHEET 86 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	86
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		

PANELBOARD DP

Voltage: 480Y/277	Phase: 3	Wire: 4	Amperes: 400	Main: 350A MCB	A.I.R.: ---

Circuit No.	Breaker Poles	Breaker Amps	Service to:	Conductors	Conductors	Service to:	Breaker Poles	Breaker Amps	Circuit No.
1									2
3	3	30	Remote radiator	(3) 8 AWG	(3) 8 AWG	Unit heaters	3	30	4
5									6
7									8
9	3	30	Spare			Spare	3	30	10
11									12
13									14
15	3	40	Motor starter cabinet	(3) 8 AWG	(3) 4 AWG	Transformer A	3	70	16
17									18
19									20
21	2	30	Heat trace	(2) 8 AWG	(3) 4 AWG	Emergency drive	3	60	22
23	1	20	Roadway lights	(2) 8 AWG					24
25									26
27	3	15	Spare		(3) 12 AWG	Power monitor	3	15	28
29									30
	3	200	Main drive (See note 2)	(3) 3/0 AWG					

PANELBOARD A

Voltage: 208Y/120	Phase: 3	Wire: 4	Amperes: 225	Main: 125A MCB	A.I.R.: 10,000

Circuit No.	Breaker Poles	Breaker Amps	Service to:	Conductors	Conductors	Service to:	Breaker Poles	Breaker Amps	Circuit No.
1	1	20	Walkway receptacles	(2) 10 AWG	(2) 10 AWG	West tower receptacles	1	20	2
3	1	20	Lift span walkway lights	(2) 10 AWG	(2) 10 AWG	East tower receptacles	1	20	4
5	2	20	East tower stairway lights	(3) 10 AWG	(3) 10 AWG	West tower stairway lights	2	20	6
7									8
9	1	20	Traffic signals	(2) 10 AWG	(2) 10 AWG	Span navigation lights	1	20	10
11	1	20	East gates and barrier lights	(2) 10 AWG	(2) 10 AWG	West gates and barrier lights	1	20	12
13	1	20	Near East CCTV cameras (See note 1)	(2) 8 AWG	(2) 12 AWG	Control circuits	1	20	14
15	1	20	West warning gates heater & recept.	(2) 10 AWG	(2) 10 AWG	Near East warning gates heater & recept.	1	20	16
17	1	20	West barrier gates heater & recept.	(2) 10 AWG	(2) 10 AWG	East barrier gates heater & recept.	1	20	18
19	1	20	Far East warning gates heater & recept.	(2) 10 AWG	(2) 8 AWG	Far East CCTV cameras (See note 1)	1	20	20
21	1	20	Generator heater	(2) 10 AWG	(2) 12 AWG	Machine house receptacles (South)	1	20	22
23	1	20	Machine house receptacles (North)	(2) 12 AWG	(2) 12 AWG	Relay and starter cabinet lights	1	20	24
25	1	20	Traffic control circuit	(2) 12 AWG	(2) 12 AWG	Machine house lights	1	20	26
27	1	20	Pier/Fender navigation lights	(2) 10 AWG		Spare	1	20	28
29	1	20	Exhaust fan	(2) 10 AWG		Spare	1	20	30
31	1	20	Heat trace and heater controls	(2) 12 AWG					32
33	1	20	Spare		(4) 2/0 AWG	Panelboard B feeder	3	60	34
35	1	20	Spare						36
37	1	20	Spare						38
39	1	20	Spare						40
41	1	20	Spare						42

PANELBOARD B

Voltage: 208Y/120	Phase: 3	Wire: 4	Amperes: 100	Main: 60A MCB	A.I.R.: 10,000

Circuit No.	Breaker Poles	Breaker Amps	Service to:	Conductors	Conductors	Service to:	Breaker Poles	Breaker Amps	Circuit No.
1	2	25	Air conditioner	(3) 10 AWG	(3) 8 AWG	Furnace air handler	2	40	2
3									4
5	1	20	Outside lights	(2) 12 AWG	(2) 12 AWG	Water heater	1	20	6
7	1	20	Inside lights	(2) 12 AWG		Spare	1	20	8
9	1	20	Outside receptacles	(2) 12 AWG	(2) 12 AWG	Attic receptacles	1	20	10
11	1	20	West receptacles	(2) 12 AWG	(2) 12 AWG	Water cooler	1	20	12
13	1	20	Exit lights	(2) 12 AWG	(2) 12 AWG	Control console receptacles	1	20	14
15	1	20	Exhaust fan and bath light	(2) 12 AWG	(2) 12 AWG	East receptacles	1	20	16
17	2	20	Base board heater (East)	(3) 12 AWG	(2) 10 AWG	CCTV equipment and monitor (See note 1)	1	20	18
19					(3) 12 AWG	Base board heater (West)	2	20	20
21	2	20	Base board heater (East)	(3) 12 AWG					22
23					(3) 12 AWG	Bathroom heater	2	20	24
25	1	20	PA System (See note 1)	(2) 12 AWG					26
27	2	20	Sewer tank heater	(3) 12 AWG	(2) 12 AWG	Sewer tank high level alarm	1	20	28
29						Spare	1	20	30

Notes:

1. *The Far East CCTV cameras and PA system circuits shall utilize spare breakers in the panelboard, while the Near East CCTV Cameras and West CCTV equipment and monitor circuits shall be modifications to the existing circuits. Details in this sheet, with the exception of the listed changes, are provided for information only to assist the contractor in their removal and replacement of the wiring and conduit system. The contractor is responsible for verifying the existing field conditions prior to completing any work.*
2. *The Main Drive circuit is fed from Panelboard DP's main bus and thus does not have associated circuit numbers.*
3. *The Contractor must field verify and make record of all panelboard circuits, wire sizes, conduit runs and their associated wiring, and where the conduit routes from / to. The Contractor must submit an as-built / existing panel schedule and conduit layout and schedule with new proposed schedules and layouts to the Engineer.*

1 REVISED 2-6-2026

MODEL: B_Sheet_Consultant
FILE NAME: \\mm.ldfil_Data\Projects\5016-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum1\03100001-76T66-090-PnlBrdSch.dgn

2/2/2026 10:11:05 AM

MODJESKI and MASTERS

USER NAME =	DESIGNED - LMA	REVISED - 2/3/2026 GTW
	CHECKED - KMG	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE =	CHECKED - LMA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PANELBOARD SCHEDULE
STRUCTURE NO. 031-0001
SHEET 90 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	90
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		

WIRING AND CONDUIT SCHEDULE

Run No.	Conduit (Inches) or Cable	Serving	Circuit Conductors	Equipment Grounding Conductor
1	4	Bridge feeder (See note 5) 1	(4) 500 MCM	2 AWG
2	Unassigned			
3	1	Northwest traffic barrier - control (See note 2)	(14) 12 AWG	12 AWG
4	1	Southwest traffic barrier - control (See note 2)	(14) 12 AWG	12 AWG
5	1	Southwest traffic barrier - power	(3) 10 AWG	10 AWG
		Southwest traffic barrier - heat, receptacle, service light and flasher	(6) 10 AWG	
6	1	Northwest barrier gate - power	(3) 10 AWG	10 AWG
		Northwest traffic barrier - heat, receptacle, service light and flasher	(6) 10 AWG	
7	¾	West traffic signals	(4) 10 AWG	10 AWG
8	2½	West traffic barriers - control (See note 2)	(28) 12 AWG	12 AWG
		West warning gates - control (See note 2)	(28) 12 AWG	
9	1½	West traffic barriers - power	(6) 10 AWG	10 AWG
		West gates and barriers - heat, receptacles, service lights and flashers	(8) 10 AWG	
		West warning gates - power	(6) 10 AWG	
		West traffic signals	(4) 10 AWG	
		Southwest warning gate - gong	(2) 10 AWG	
10	¾	Roadway lighting - Span 1	(2) 8 AWG	8 AWG
11	4	Operator's house - control system interconnections (See note 2)	(132) 12 AWG	12 AWG
		Operator's house power monitor	(8) 12 AWG	
	3	Generator remote annunciator	(12 STP) 16 AWG	12 AWG
		PA system handsets and speakers	(8 STP) 14 AWG	
		Ammeter	(1 STP) 16 AWG	
		Height indicator	(1 STP) 16 AWG	
		CCTV East Cameras and Display Video	(2) 12 Count Fiber	
12	2	Operator's house - panelboard B feeder	(4) 2/0 AWG	4 AWG
		Heat trace system feeder 1	(2) 8 AWG	8 AWG
13	¾	CCTV - 1 through 5 power	(2) 10 AWG	10 AWG
	¾	CCTV - 1 through 5 video	12 count fiber	12 AWG
14	1	West span control limit switches (LS-FS2, LS-FO2) (See note 2)	(8) 12 AWG	12 AWG
		West span lock - control (LS-LK2D, LS-LK2P, LS-LK2HC)	(10) 12 AWG	
15a	C-L-X	Navigation lights - northwest dolphin	(2) 10 AWG	10 AWG
15b	C-L-X	Navigation lights - southwest fender	(2) 10 AWG	10 AWG
16	C-L-X	Navigation lights - west pier	(2) 10 AWG	10 AWG
17	¾	Navigation lights - west pier, fender, and dolphin	(2) 10 AWG	10 AWG
18	¾	West tower stairway and tower top lights	(5) 10 AWG	10 AWG
		West tower service receptacles	(2) 10 AWG	
19	¾	Roadway lighting - Span 2	(2) 10 AWG	10 AWG
20	¾	West outdoor PA system speaker	(8 STP) 14 AWG	12 AWG

WIRING AND CONDUIT SCHEDULE (CONTINUED)

Run No.	Conduit (Inches) or Cable	Serving	Circuit Conductors	Equipment Grounding Conductor
21	Aerial cable(s)	West traffic barriers - power	(6) 10 AWG	2/0 AWG
		West gates and barriers - heat, receptacles, service lights and flashers	(8) 10 AWG	
		West warning gates - power	(6) 10 AWG	
		West traffic signals	(4) 10 AWG	
		Roadway lighting - Span 1	(2) 8 AWG	
		Operator's house - panelboard B feeder	(4) 2/0 AWG	
		Navigation lights - west fender and dolphin	(2) 10 AWG	
		West tower stairway and tower top lights	(5) 10 AWG	
		West tower service receptacles	(2) 10 AWG	
		Southwest warning gate - gong	(2) 10 AWG	
		Heat trace system feeder 1	(2) 8 AWG	
22	Aerial cable(s)	West traffic barriers - control (See note 2)	(28) 12 AWG	4/0 AWG
		West warning gates - control (See note 2)	(28) 12 AWG	
		Operator's house - control system interconnections (See note 2)	(132) 12 AWG	
		Operator's house power monitor	(8) 12 AWG	
		Generator remote annunciator	(12 STP) 16 AWG	
		Ammeter	(1 STP) 16 AWG	
		Height indicator	(1 STP) 16 AWG	
		PA system handsets and speakers	(8 STP) 14 AWG	
		CCTV East Cameras and Display Video	(2) 12 Count Fiber	
23	Aerial cable(s)	Bridge feeder	(4) 500 MCM	
24	¾	West lift span walkway lights and receptacles	(5) 10 AWG	10 AWG
25	2½	West gates and barriers - heat, receptacles, service lights and flashers	(8) 10 AWG	10 AWG
		West traffic barriers - power	(6) 10 AWG	
		West warning gates - power	(6) 10 AWG	
		West traffic signals	(4) 10 AWG	
		Roadway lighting - Span 1	(2) 8 AWG	
		Navigation lights - west fender and dolphin	(2) 10 AWG	
		West tower stairway and tower top lights	(5) 10 AWG	
		West tower service receptacles	(2) 10 AWG	
		Southwest warning gate - gong	(2) 10 AWG	
	2	Operator's house - panelboard B feeder	(4) 2/0 AWG	4 AWG
	2	Heat trace system feeder 1	(2) 8 AWG	8 AWG
26	4	Bridge feeder	(4) 500 MCM	2/0 AWG
27	4	West traffic barriers - control (See note 2)	(28) 12 AWG	12 AWG
		West warning gates - control (See note 2)	(28) 12 AWG	
		Operator's house - control system interconnections (See note 2)	(132) 12 AWG	
		Operator's House Power Monitor	(8) 12 AWG	
	3	Generator remote annunciator	(12 STP) 16 AWG	12 AWG
		PA System Handsets and Speakers	(8 STP) 14 AWG	
		Ammeter	(1 STP) 16 AWG	
		Height indicator	(1 STP) 16 AWG	
		CCTV East Cameras and Display Video	(2) 12 Count Fiber	

S-T-P = Shielded twisted pairs
C-L-X = Okonite C-L-X type MC cable, or approved equal

1 REVISED 2-6-2026

Notes:
1. Unless otherwise noted, all bridge exterior conduit, cable, wiring, and raceway shown above are new and required. Any conduit entering the Operator's or Machinery House that requires replacement shall be replaced at least up to the first joint inside the house. Replace conductors up to their point of termination at interior and exterior electrical loads.
2. Conductor count shown includes spare conductors. See specifications.
3. Conductor counts and conduit sizes listed are approximate. It shall be the contractors responsibility to determine exact conductor counts and increase conduit sizes as necessary to comply with NEC requirements. Conduits shall not be smaller than those listed.
4. All conduits shall include an insulated ground conductor sized according to the National Electrical Code, article 250, in addition to the circuit conductors shown.
5. No work to be performed on Conduit Run No. 1. Existing bridge feeder to remain in place.

WIRING AND CONDUIT SCHEDULE (CONTINUED)

Run No.	Conduit (Inches) or Cable	Serving	Circuit Conductors	Equipment Grounding Conductor
28	¾	West span lock - motor	(3) 10 AWG	10 AWG
29	Unassigned			
30	¾	Lift span navigation lights	(3) 10 AWG	10 AWG
31	¾	Operator's house stairway lights	(3) 10 AWG	10 AWG
32	¾	East lift span walkway lights and receptacles	(5) 10 AWG	10 AWG
33	2½	East tower stairway and tower top lights	(5) 10 AWG	6 AWG
		East tower service receptacles	(2) 10 AWG	
		Navigation lights - east fender and dolphin	(2) 10 AWG	
		Roadway lighting - spans 3 thru 15	(2) 8 AWG	
		East traffic barriers - power	(6) 10 AWG	
		East gates and barriers - heat, receptacles, service lights and flashers	(10) 10 AWG	
		Far east warning gates - power	(6) 6 AWG	
		Near east warning gates - power	(6) 10 AWG	
		East traffic signals	(8) 10 AWG	
		East "Drawbridge Ahead" sign	(2) 10 AWG	
		Far northeast warning gate - gong	(2) 10 AWG	
34	¾	CCTV - 6 through 10 power	(2) 8 AWG	8 AWG
		CCTV - 11 through 13 power	(2) 8 AWG	
	1½	CCTV - 6 through 13 video	(1) 12 Count Fiber	12 AWG
		East Outdoor PA System Speaker	(8 STP) 14 AWG	
	2½	East traffic barriers - control (See note 2)	(28) 12 AWG	10 AWG
		Near east warning gates - control (See note 2)	(28) 12 AWG	
		Far east warning gates - control (See note 2)	(28) 12 AWG	
35	Unassigned			
36	¾	East span lock - power	(3) 10 AWG	10 AWG
37	Aerial cable	East tower stairway and tower top lights	(5) 10 AWG	4/0 AWG
		East tower service receptacles	(2) 10 AWG	
		Navigation lights - east fender and dolphin	(2) 10 AWG	
		Roadway lighting - spans 3 thru 15	(2) 8 AWG	
		East traffic barriers - power	(6) 10 AWG	
		East gates and barriers - heat, receptacles, service lights and flashers	(10) 10 AWG	
		Far east warning gates - power	(6) 6 AWG	
		Near east warning gates - power	(6) 10 AWG	
		East traffic signals	(8) 10 AWG	
		East "Drawbridge Ahead" sign	(2) 10 AWG	
		Far northeast warning gate - gong	(2) 10 AWG	
		CCTV - 6 through 10 power	(2) 8 AWG	
		CCTV - 11 through 13 power	(2) 8 AWG	
38	Aerial cable	CCTV - 6 through 13 video	(1) 12 Count fiber	
		East outdoor PA system speaker	(8 STP) 14 AWG	
		East traffic barriers - control (See note 2)	(28) 12 AWG	
		Far east warning gates - control (See note 2)	(28) 12 AWG	
		Near east warning gates - control (See note 2)	(28) 12 AWG	
39	1¼	East span control limit switches (LS-FS1, LS-FO1, LS-LK1HC) (See note 2)	(10) 12 AWG	12 AWG
		East span full open limit switch (LS-FO1)	(4) 12 AWG	
		East span lock - control (LS-LK1D, LS-LK1P)	(8) 12 AWG	
40	¾	East tower stairway and tower top lights	(3) 10 AWG + (2) 12 AWG	10 AWG
		East tower service receptacles	(2) 10 AWG	
41	¾	CCTV - 6 through 13 video	(1) 12 Count fiber	12 AWG
42	¾	Navigation lights - east pier, fender, and dolphin	(2) 10 AWG	10 AWG

WIRING AND CONDUIT SCHEDULE (CONTINUED)

Run No.	Conduit (Inches) or Cable	Serving	Circuit Conductors	Equipment Grounding Conductor
43a	C-L-X	Navigation lights - east dolphin	(2) 10 AWG	10 AWG
43b	C-L-X	Navigation lights - southeast fender	(2) 10 AWG	10 AWG
44	C-L-X	Navigation lights - east pier	(2) 10 AWG	10 AWG
45	¾	East outdoor PA system speaker	(8 STP) 14 AWG	12 AWG
46	¾	Roadway lighting - spans 3 thru 8	(2) 8 AWG	8 AWG
47	2½	East traffic barriers - control (See note 2)	(28) 12 AWG	12 AWG
		Far east warning gates - control (See note 2)	(28) 12 AWG	
		Near east warning gates - control (See note 2)	(28) 12 AWG	
48	2½	East traffic barriers - power	(6) 10 AWG	6 AWG
		East gates and barriers - heat, receptacles, service lights and flashers	(10) 10 AWG	
		Far east warning gates - power	(6) 6 AWG	
		Near east warning gates - power	(6) 10 AWG	
		East traffic signals	(8) 10 AWG	
		East "Drawbridge Ahead" sign	(2) 10 AWG	
		Far northeast warning gate - gong	(2) 10 AWG	
49	1	Northeast traffic barrier - power	(3) 10 AWG	10 AWG
		Northeast traffic barrier - heat, receptacle, service light and flasher	(6) 10 AWG	
50	1	Northeast traffic barrier - control (See note 2)	(14) 12 AWG	12 AWG
51	1	Southeast traffic barrier - power	(3) 10 AWG	10 AWG
		Southeast traffic barrier - heat, receptacles, service light and flasher	(6) 10 AWG	
52	1	Southeast traffic barrier - control (See note 2)	(14) 12 AWG	12 AWG
53	1¼	Far east warning gates - control	(28) 12 AWG	12 AWG
54	1½	Far east warning gates - power	(6) 6 AWG	6 AWG
		Far east warning gates - heat, receptacles, service lights and flashers	(6) 10 AWG	
		Far east traffic signals	(4) 10 AWG	
		East "Drawbridge Ahead" sign	(2) 10 AWG	
		Far northeast warning gate - gong	(2) 10 AWG	
55	1¼	Far northeast warning gate - power	(3) 6 AWG	6 AWG
		Far Northeast warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
		Far northeast warning gate - gong	(2) 10 AWG	
56	1	Far northeast warning gate - control (See note 2)	(14) 12 AWG	12 AWG
57	1	Far southeast warning gate - control (See note 2)	(14) 12 AWG	12 AWG
58	1¼	Far southeast warning gate - power	(3) 6 AWG	6 AWG
		Southeast warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
59	¾	Far east traffic signals	(4) 10 AWG	10 AWG
		East "Drawbridge Ahead" sign	(2) 10 AWG	
60	¾	East "Drawbridge Ahead" sign	(2) 10 AWG	10 AWG
61	¾	CCTV - 6 through 10 power	(2) 8 AWG	8 AWG
62	¾	CCTV - 11 through 13 power	(2) 8 AWG	8 AWG
63	1½	Northwest warning gate - control (See note 2)	(14) 12 AWG	12 AWG
		Southwest warning gate - control (See note 2)	(14) 12 AWG	

Notes:

1. Unless otherwise noted, all bridge exterior conduit, cable, wiring, and raceway shown above are new and required. Any conduit entering the Operator's or Machinery House that requires replacement shall be replaced at least up to the first joint inside the house. Replace conductors up to their point of termination at interior and exterior electrical loads.
2. Conductor count shown includes spare conductors. See specifications.
3. Conductor counts and conduit sizes listed are approximate. It shall be the contractors responsibility to determine exact conductor counts and increase conduit sizes as necessary to comply with NEC requirements. Conduits shall not be smaller than those listed.
4. All conduits shall include an insulated ground conductor sized according to the National Electrical Code, article 250, in addition to the circuit conductors shown.

1 REVISED 2-6-2026

S-T-P = Shielded twisted pairs
C-L-X = Okonite C-L-X type MC cable, or approved equal

MODEL: Bc_Sheet_Consultant
FILE NAME: \\mm.ldit_Data\Projects\5018-Joe Page Bridge Phase II Rehab\CADD\Electricalt_Addendum1\03100001-76T66-094-CndtWireSch2.dgn

2/3/2026 6:47:33 AM

MODJESKI and MASTERS

USER NAME =	DESIGNED - GTW	REVISED - 2/3/2026 GTW	
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - GTW	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONDUIT AND WIRE SCHEDULE - 2
STRUCTURE NO. 031-0001
SHEET 94 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	94
		CONTRACT NO. 76T66		
		ILLINOIS	FED. AID PROJECT #STP-PE84(558)	

WIRING AND CONDUIT SCHEDULE (CONTINUED)

Run No.	Conduit (Inches) or Cable	Serving	Circuit Conductors	Equipment Grounding Conductor
64	1½	Northwest warning gate - power	(3) 10 AWG	10 AWG
		Northwest warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
		Southwest warning gate - power	(3) 10 AWG	
		Southwest warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
		Southwest warning gate - gong	(2) 10 AWG	
		West traffic signals	(4) 10 AWG	
65	1	Northwest warning gate - control (See note 2)	(14) 12 AWG	12 AWG
66	1	Northwest warning gate - power	(3) 10 AWG	10 AWG
		Northwest warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
67	1	Southwest warning gate - control (See note 2)	(14) 12 AWG	12 AWG
68	1	Southwest warning gate - power	(3) 10 AWG	10 AWG
		Southwest warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
		Southwest warning gate - gong	(2) 10 AWG	
69	1	Near northeast warning gate - power	(3) 10 AWG	10 AWG
		Near northeast warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
		Near northeast warning gate - gong	(2) 10 AWG	
70	1	Near northeast warning gate - control (See note 2)	(14) 12 AWG	12 AWG
71	1	Near southeast warning gate - control (See note 2)	(14) 12 AWG	12 AWG
72	1	Near southeast warning gate - power	(3) 10 AWG	10 AWG
		Near southeast warning gate - heat, receptacle, service light and flasher	(6) 10 AWG	
73	¾	Near east traffic signals	(4) 10 AWG	10 AWG

Notes:

1. Unless otherwise noted, all bridge exterior conduit, cable, wiring, and raceway shown above are new and required. Any conduit entering the Operator's or Machinery House that requires replacement shall be replaced at least up to the first joint inside the house. Replace conductors up to their point of termination at interior and exterior electrical loads.
2. Conductor count shown includes spare conductors. See specifications.
3. Conductor counts and conduit sizes listed are approximate. It shall be the contractors responsibility to determine exact conductor counts and increase conduit sizes as necessary to comply with NEC requirements. Conduits shall not be smaller than those listed.
4. All conduits shall include an insulated ground conductor sized according to the National Electrical Code, article 250, in addition to the circuit conductors shown.

1 REVISED 2-6-2026

MODEL: B_Sheet_Consultant
FILE NAME: \\mm.ldit_Data\Projects\5018-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum1\103100001-76T66-095-CndtWireSch3.dgn

2/3/2026 6:47:41 AM

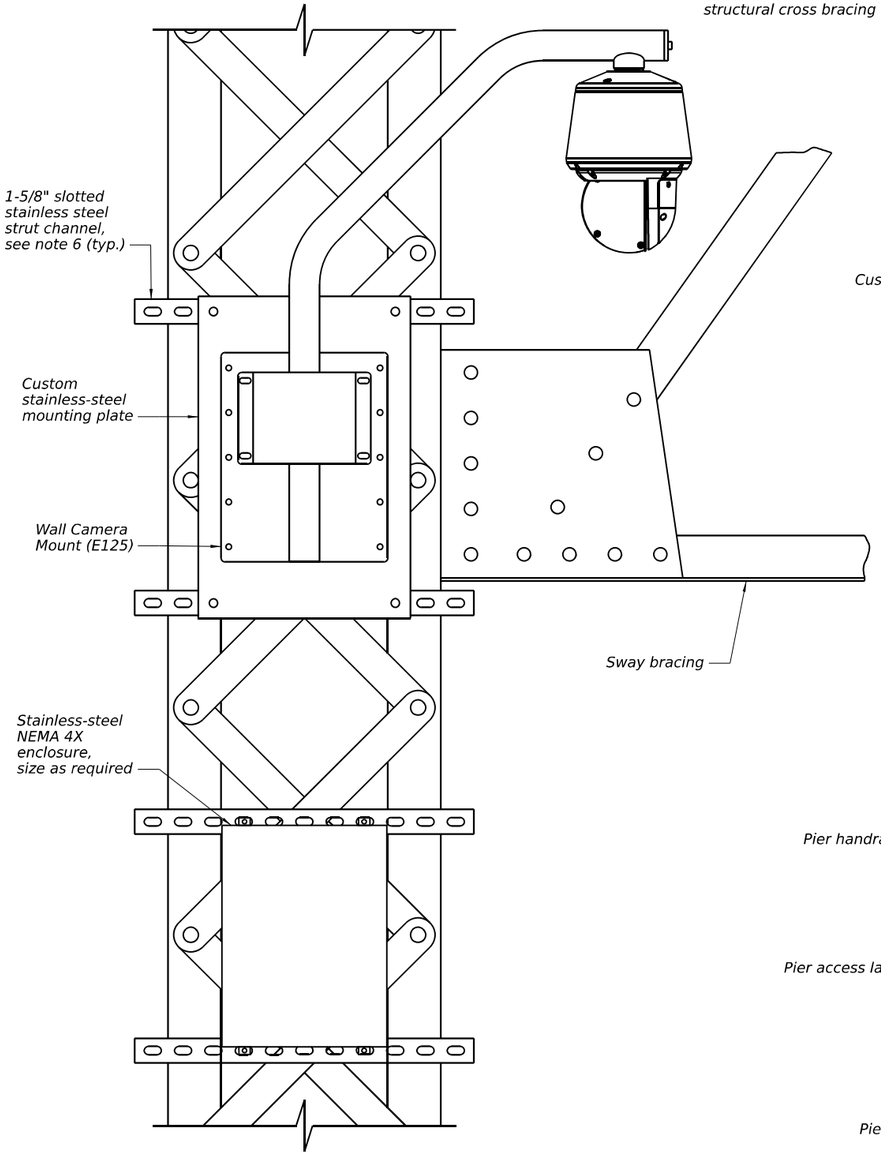
MODJESKI and MASTERS

USER NAME =	DESIGNED - GTW	REVISED -	2/3/2026 GTW
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - GTW	REVISED -	

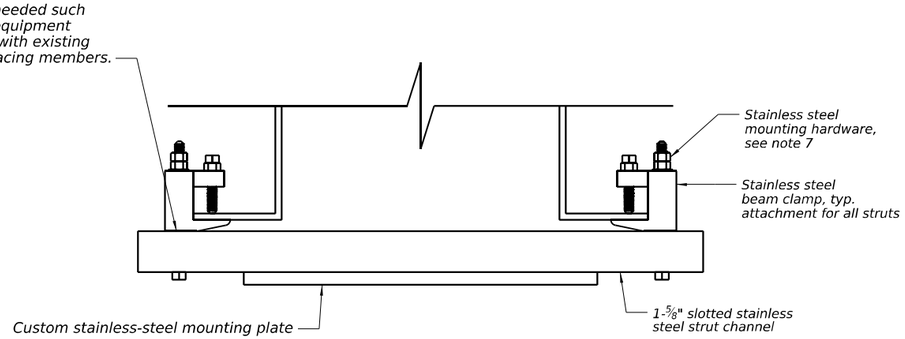
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONDUIT AND WIRE SCHEDULE - 3
STRUCTURE NO. 031-0001
SHEET 95 OF 117 SHEETS

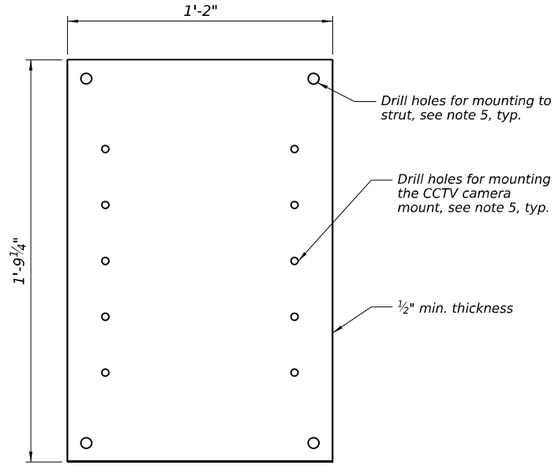
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	95
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		



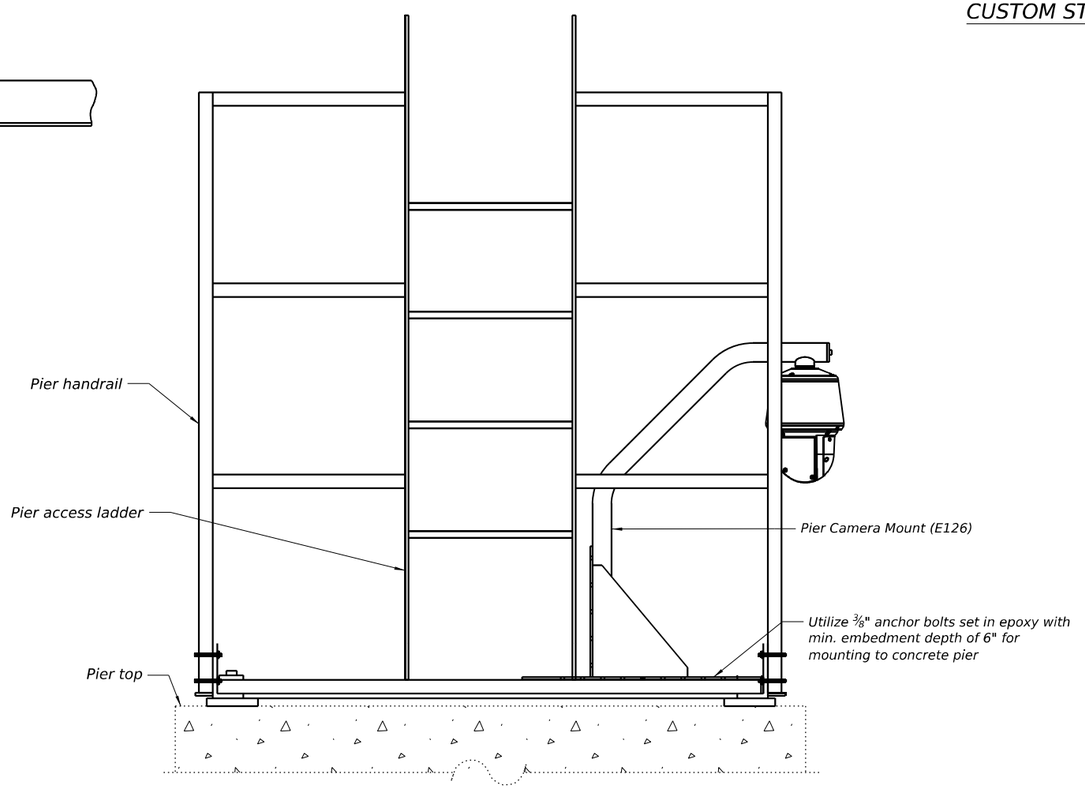
ELEVATION
ROADWAY CCTV CAMERA MOUNTING DETAIL
See note 3



PLAN
ROADWAY CCTV CAMERA MOUNTING DETAIL



ROADWAY CCTV CAMERA
CUSTOM STAINLESS-STEEL MOUNTING PLATE



ELEVATION
PIER CCTV CAMERA MOUNTING DETAIL
See note 3

Notes:
1. *For CCTV camera locations, see sheet 100.*
2. *For CCTV system diagram, see sheet 101.*
3. *Roadway camera mounting details are for CCTVcameras 1 through 3, and cameras 8 through 13. Pier camera mounting details are for CCTV cameras 4 through 7.*
4. *The contractor shall verify all field conditions and submit proposed mounting details to the engineer for review and approval prior to manufacturing the mounting plate and mounting the devices.*
5. *The contractor shall verify the size and location of holes required to mount the CCTV camera mount to the mounting plate. The holes shall be sized per the bolt size recommended by the manufacturer.*
6. *All components shall shall remain outside of the roadway barrier and be mounted/modified in such a way that the roadway clearance is not encroached.*
7. *All mounting hardware shall be Type 316 stainless steel and sized as required per manufacturer recommendations. Utilize double locking nuts for all bolted connections. Contractor to provide necessary insulating means to isolate all dissimilar metals.*

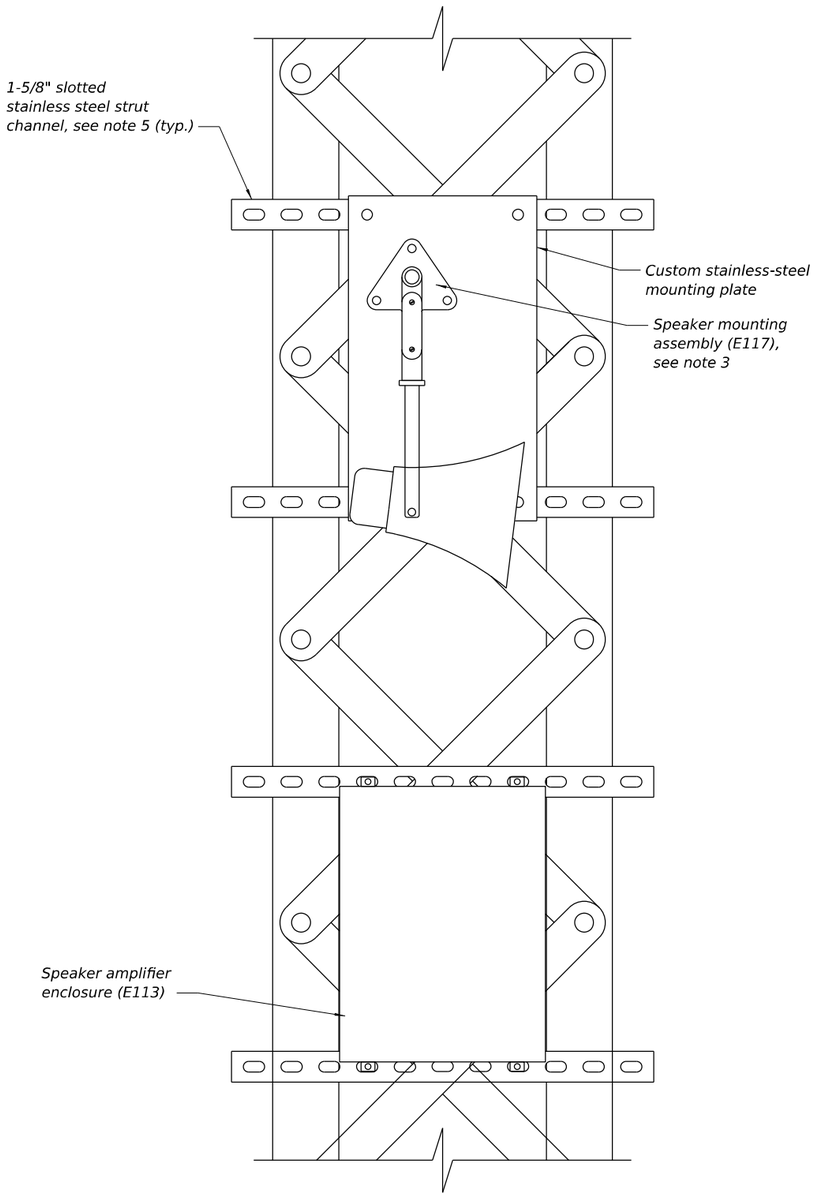
1 REVISED 2-6-2026

MODEL: B_Sheet_Consultant
FILE NAME: \\mm.ldl\IL_Data\Projects\5018-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum1\103100001-76T66-102-CCTVDtls3.dgn
2/2/2026 11:46:19 AM

MODJESKI and MASTERS

USER NAME =	DESIGNED - LMA	REVISED - 2/3/2026 GTW	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CCTV SYSTEM DETAILS - 3 STRUCTURE NO. 031-0001**
	CHECKED - TTP	REVISED -		
PLOT SCALE =	DRAWN - AEC	REVISED -		SHEET 102 OF 117 SHEETS
PLOT DATE =	CHECKED - LMA	REVISED -		

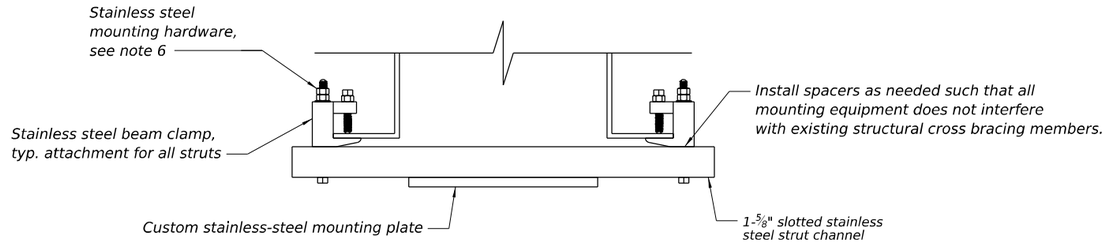
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	102
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		



ELEVATION

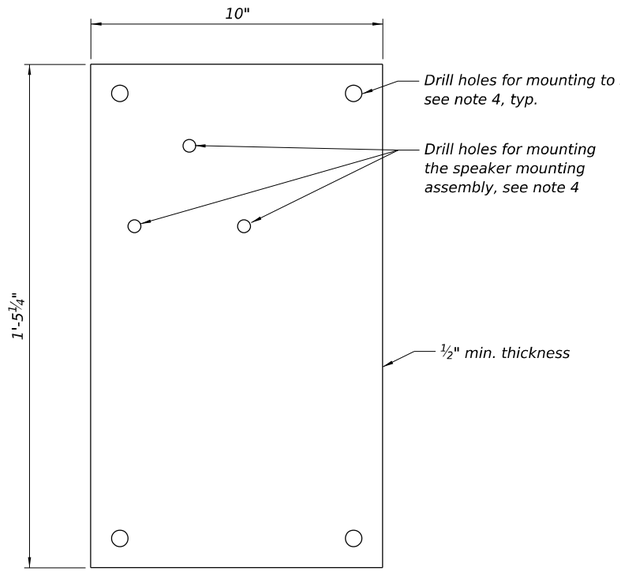
PA SYSTEM SPEAKER MOUNTING

Typ. for SP-1, SP-4, SP-5



PLAN

PA SYSTEM SPEAKER MOUNTING



PA SYSTEM SPEAKER MOUNTING PLATE

Notes:

1. *For outdoor speaker locations and PA system diagram, see sheet 104.*
2. *The contractor shall verify all field conditions and submit proposed mounting details to the engineer for review and approval prior to manufacturing the mounting plate and mounting the devices.*
3. *Speaker mounting assembly from Gai-Tronics Page/Party speaker. Any variations in speaker mounting details resulting from use of an approved equal system by a different manufacturer shall be submitted to the engineer for approval.*
4. *The contractor shall verify the size and location of holes required to mount the speakers to the mounting plate. The holes shall be sized per the bolt size recommended by the manufacturer.*
5. *All components shall remain outside of the roadway barrier and be mounted/modified in such a way that the roadway clearance is not encroached.*
6. *All mounting hardware shall be Type 316 stainless steel and sized as required per manufacturer recommendations. Utilize double locking nuts for all bolted connections. Contractor to provide necessary insulating means to isolate all dissimilar metals.*

1 REVISED 2-6-2026

MODEL: B_Sheet_Consultant
FILE NAME: \\mm.ldi\IL_Data\Projects\50\16-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum1\0310001-76T66-105-PASystDtls2.dgn

2/2/2026 11:46:27 AM

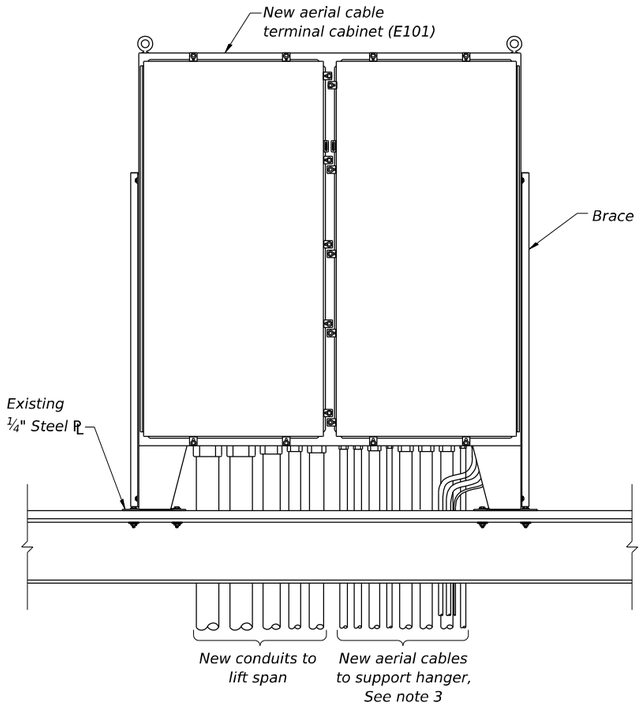
MODJESKI and MASTERS

USER NAME =	DESIGNED - LMA	REVISED - 2/3/2026 GTW	
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - LMA	REVISED -	

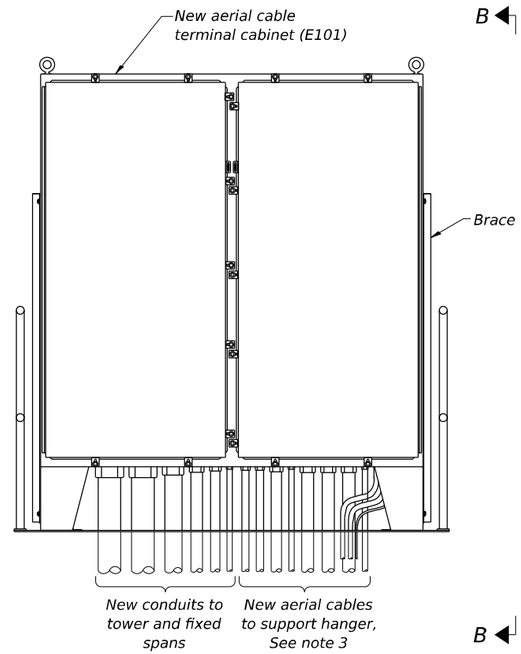
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PA SYSTEM DETAILS - 2
STRUCTURE NO. 031-0001
SHEET 105 OF 117 SHEETS

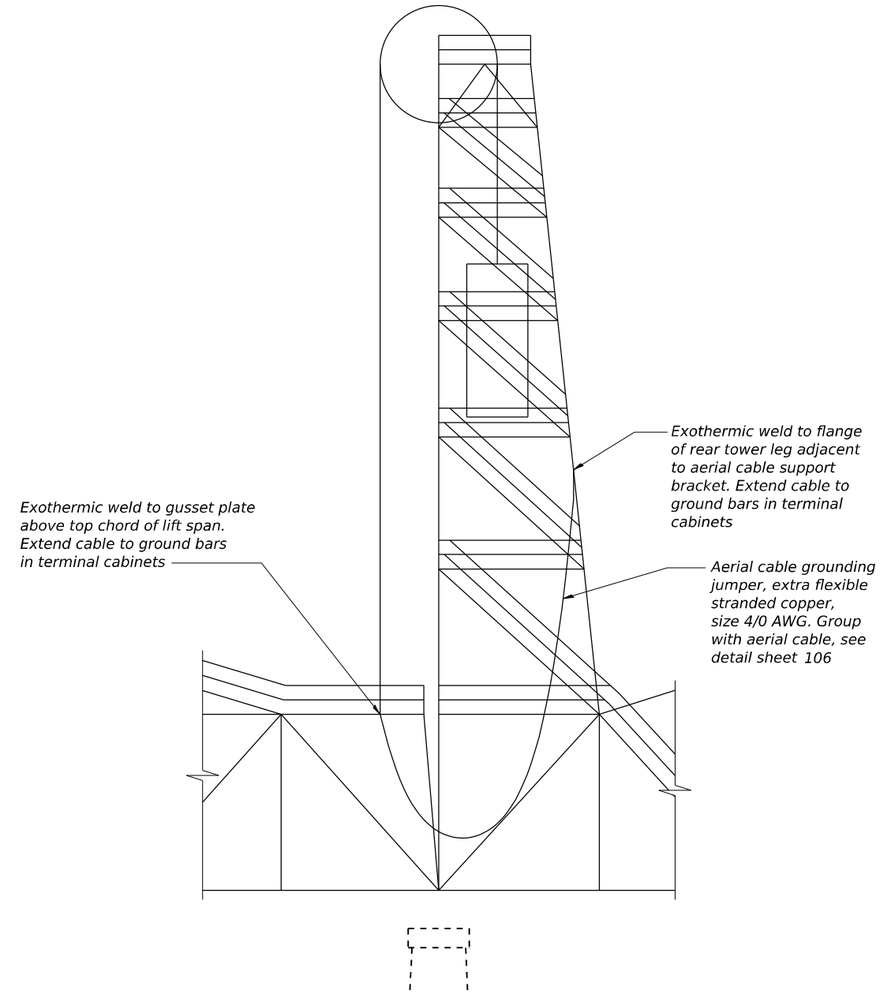
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	105
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		



LIFT SPAN AERIAL CABLE TERMINAL CABINET



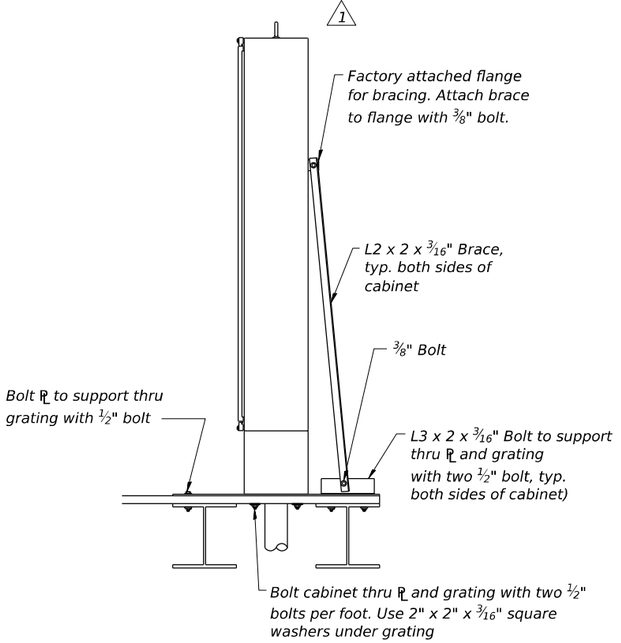
TOWER AERIAL CABLE TERMINAL CABINET



AERIAL CABLE GROUNDING JUMPER DETAIL

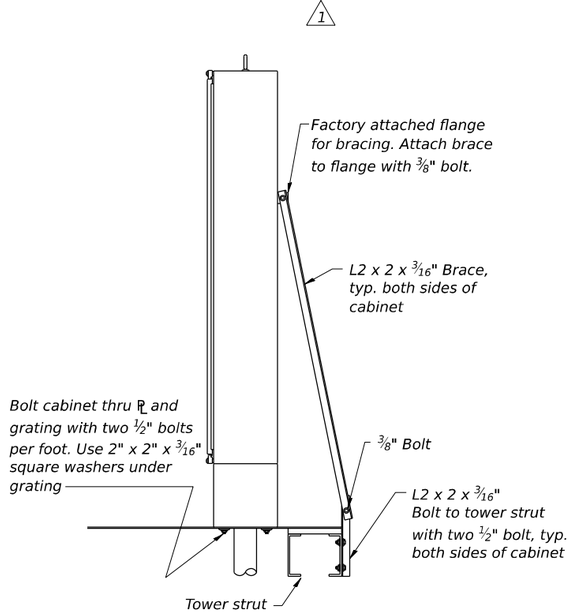
East jumper shown, west similar

West cabinet shown, east similar
See notes 1 and 2



VIEW A-A

West cabinet shown, east similar
See notes 1 and 2



VIEW B-B

1 Notes:

1. All angles and plates shall be Type 316 stainless steel or hot-dipped galvanized steel. Provide new angle and plates as necessary. All nuts, bolts, washers, and related hardware shall be Type 316 stainless steel and new. Utilize lock washers on all connections. Contractor to provide insulating means to isolate all dissimilar metals.
2. All conductors in terminal cabinets shall be terminated on heavy duty, phenolic, screw type terminal blocks. Keep power and control terminal blocks separate inside cabinet.
3. Support aerial cables between hanger and terminal cabinet at maximum 3'-0" intervals using stainless steel angle and stainless steel cushion clamps. Provide new stainless steel angle and stainless steel cushion clamps as necessary.

1 4. Install new aerial cable terminal cabinets in same location as existing.

1 REVISED 2-6-2026

MODEL: Bc_Sheet_Consultant
FILE NAME: \\mm.ldit_Data\Projects\5018-Joe Page Bridge, Phase II Rehab\CADD\Electricalt_Addendum1\03100001-76T66-107-AerialCADBd2.dgn

2/2/2026 11:46:50 AM

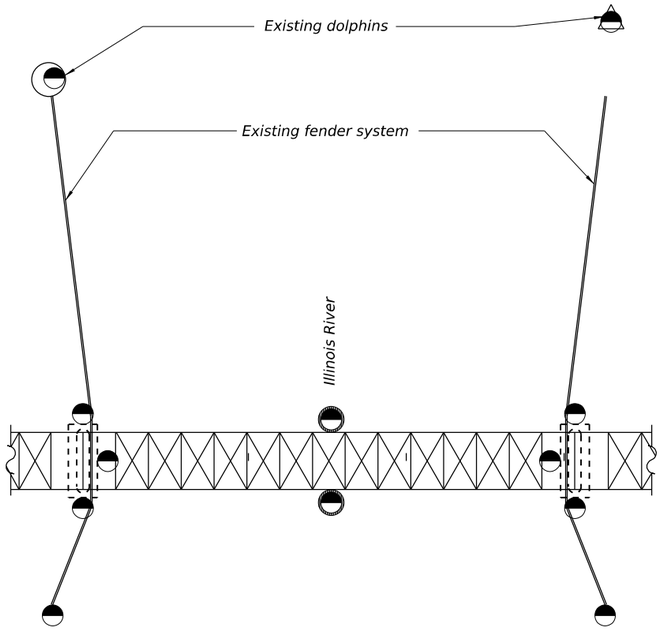
MODJESKI and MASTERS

USER NAME =	DESIGNED - GTW	REVISED - 2/3/2026 GTW	
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - GTW	REVISED -	

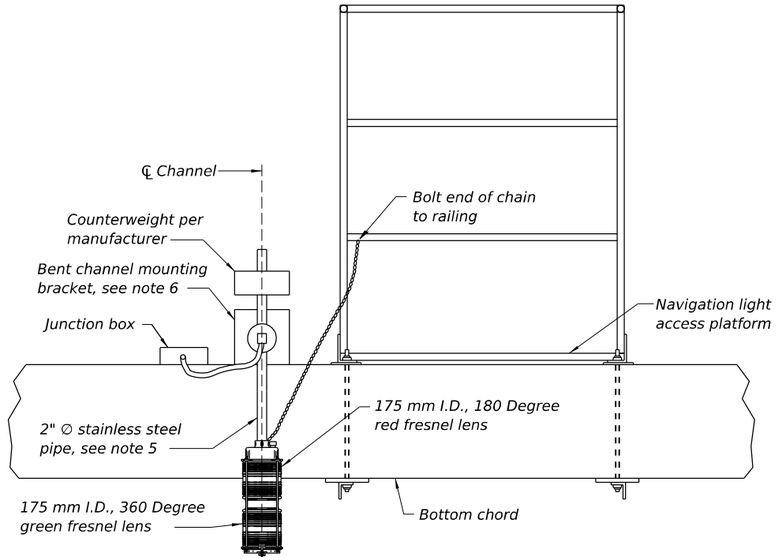
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AERIAL CABLE DETAILS - 2
STRUCTURE NO. 031-0001
SHEET 107 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	107
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		

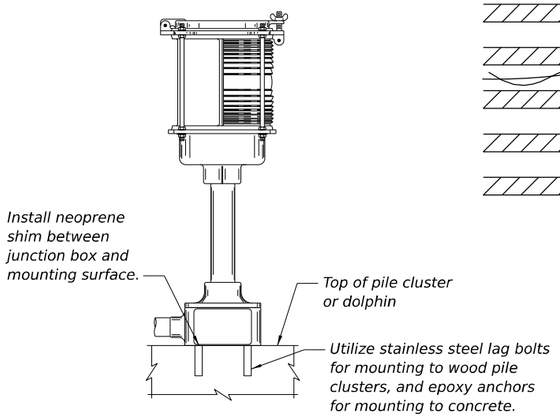


NAVIGATION LIGHTS LAYOUT - PLAN

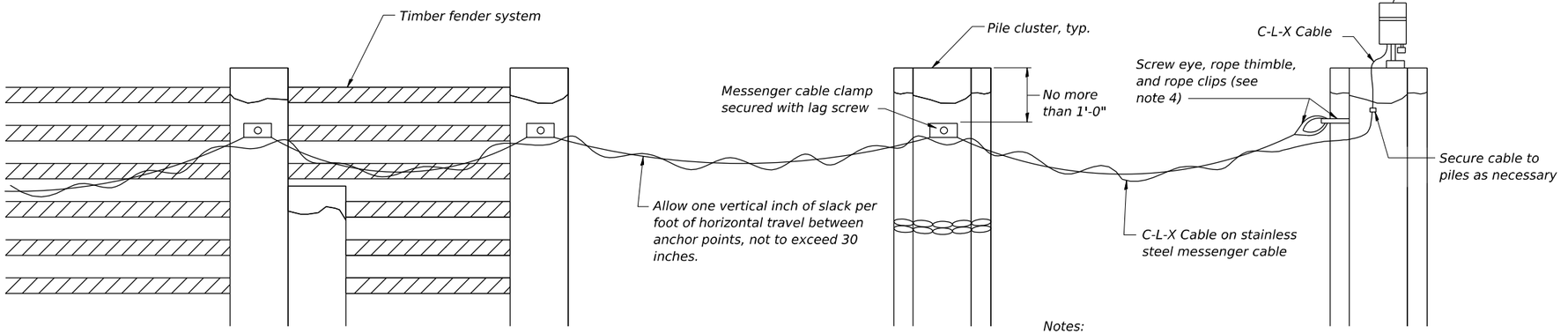


NORTH SPAN AND SOUTH SPAN NAVIGATION LIGHTS

(E108)



FENDER AND PIER NAVIGATION LIGHT MOUNTING DETAILS



FENDER SYSTEM NAVIGATION LIGHTS CABLE

Typical of four (see note 3)

LEGEND

Pier navigation light (180° Red)

Span navigation light (180° Red over 360° Green)

Notes:

1. The contractor shall remove all existing fender navigation lighting messenger cables, cable support attachments, and hardware prior to structural repairs to the fender. New equipment as shown in the fender system navigation lights cable detail shall be installed once structural repairs to the fender are completed.
2. The contractor shall submit proposed installation locations and mounting details for each navigation light for review and approval.
3. Secure messenger cables at bridge piers and dolphins in similar manner.
4. Secure C-L-X cable to messenger cable by wrapping C-L-X around messenger, approximately once per foot, and securing with stainless steel straps at messenger anchor points, or as recommended by manufacturer.
5. Shaft length shall be determined in the field such that the entire 360 Degree Green lens is positioned just below the bottom chord.
6. Mounting bracket shall be similar to existing, constructed of galvanized steel. Bolt to bottom chord using existing holes and Type 316 stainless steel hardware. Contractor to provide insulating means to isolate all dissimilar metals.

⚠1 REVISED 2-6-2026

MODEL: B_Sheet_Consultant
FILE NAME: \\mm.tdl\IL_Data\Projects\5018-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum1\103100001-76T66-108-NavLgtDtls.dgn

2/2/2026 12:41:59 PM

MODJESKI and MASTERS

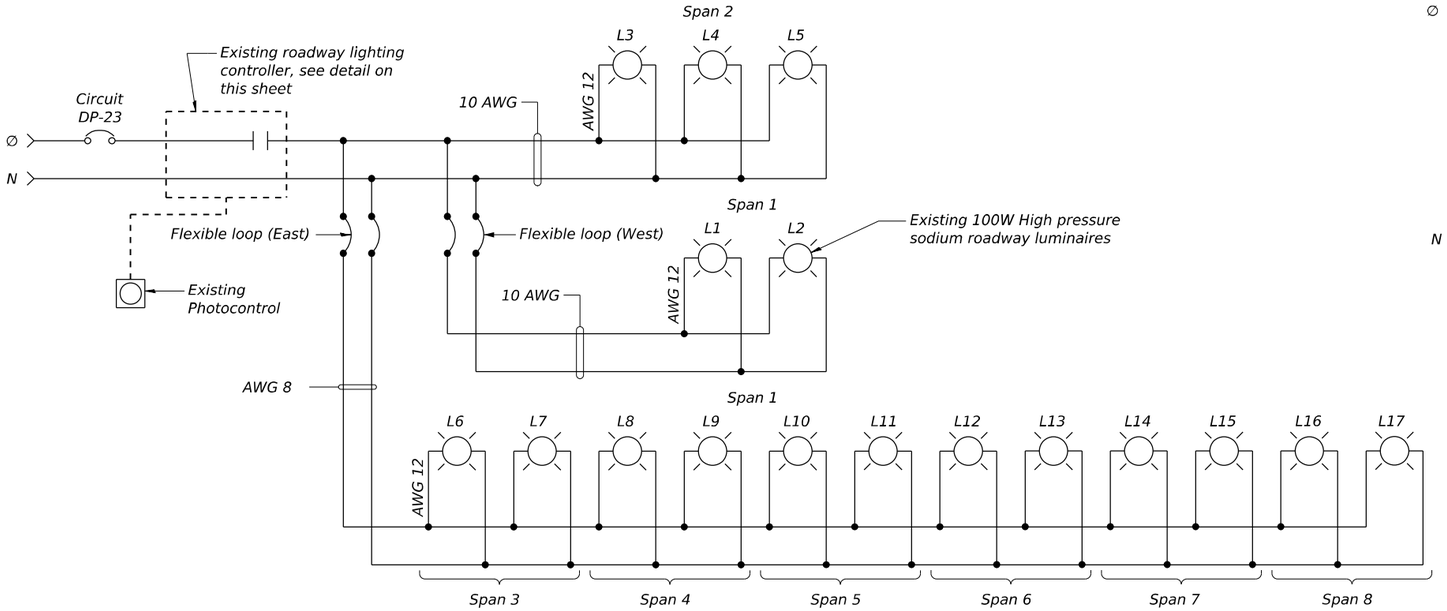
USER NAME =	DESIGNED - LMA	REVISED - 2/3/2026 GTW	
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - LMA	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

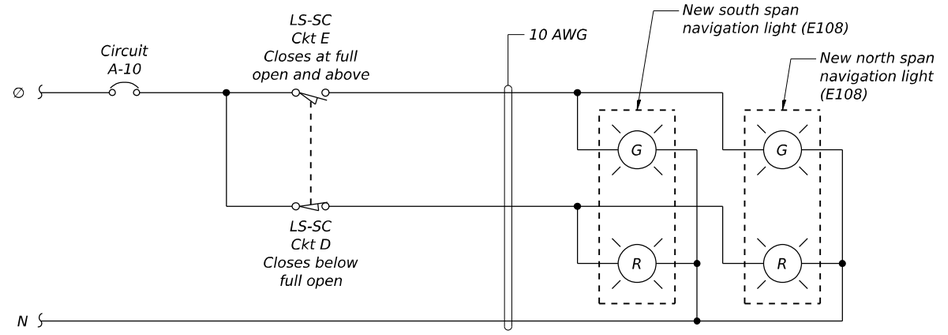
NAVIGATION LIGHT DETAILS
STRUCTURE NO. 031-0001

SHEET 108 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	108
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		

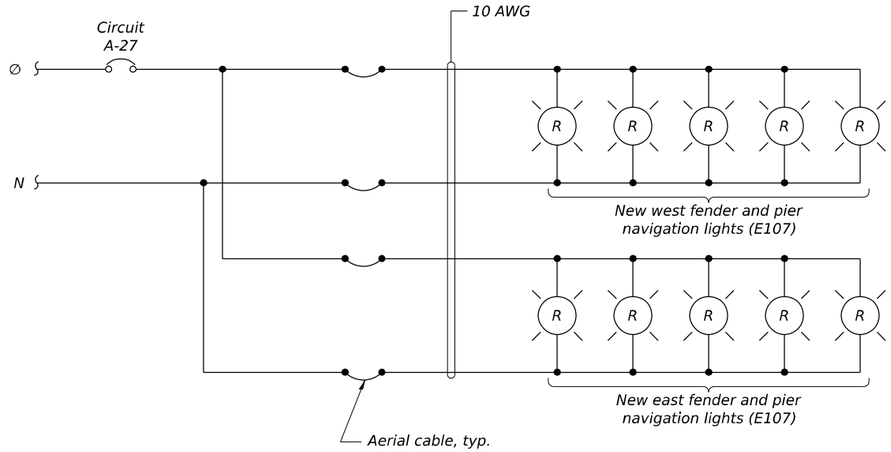


ROADWAY LIGHTING WIRING DIAGRAM

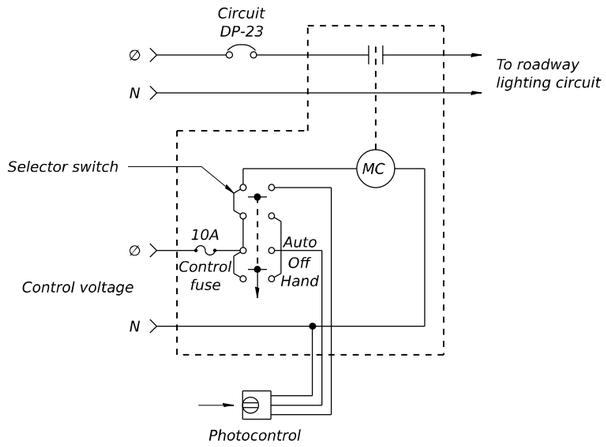


SPAN NAVIGATION LIGHT CIRCUITS

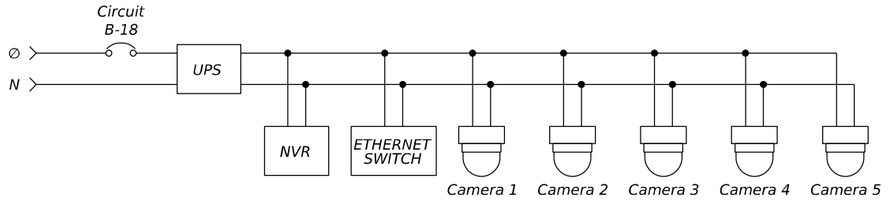
Dual lamp and relay arrangement not shown.



FENDER/PIER NAVIGATION LIGHT CIRCUITS



ROADWAY LIGHTING CONTROLLER



NEW CCTV SYSTEM CIRCUIT

West Cameras circuit shown, near and far east camera circuits similar

Note:

1. Details in this sheet, with the exception of the New CCTV System Circuit and Fender/Pier Navigation Light Circuits, are provided for information only, to assist the contractor in their removal and replacement of the wiring and conduit system. The contractor is responsible for verifying the existing field conditions prior to completing any work.

1 REVISED 2-6-2026

MODEL: B_Sheet_Consultant
FILE NAME: \\mm.ldit_Data\Projects\5018-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum1\103100001-76T66-112-MiscElCrcts4.dgn
2/3/2026 3:25:46 PM

MODJESKI and MASTERS

USER NAME =	DESIGNED - GTW	REVISED -	2/3/2026 GTW
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - GTW	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS ELECTRICAL CIRCUITS - 4
STRUCTURE NO. 031-0001
SHEET 112 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	112
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		

ELECTRICAL EQUIPMENT SCHEDULE

PIECE NO.	QUANTITY	NAME	MANUFACTURER	TYPE - MODEL	RATING AND DESCRIPTION
E101	4	AERIAL CABLE CABINET	HOFFMAN	FLOOR MOUNT STAINLESS STEEL	HEAVY DUTY, FLOOR MOUNT, TWO DOOR, NEMA TYPE 4X STAINLESS STEEL ENCLOSURE. SIZE TO MATCH EXISTING. SHALL INCLUDE INTERNAL MOUNTING PANEL AND FLANGES FOR ATTACHING REAR BRACING AS INDICATED. 1
E102	10	TOGGLE SWITCH WALL PLATE	HUBBELL HUBBELL	HBL1221 HBL5201	HEAVY DUTY SINGLE POLE TOGGLE SWITCH, 120-277V, 20A. WEATHERPROOF 1-GANG WALL PLATE.
E103	7	SPAN WALKWAY LIGHTING LUMINAIRE	LITHONIA	RSXF1-P1	51 WATT, 120V, LED DUSK-TO-DAWN TYPE LIGHT. ADJUSTABLE ARM ROUND POLE.
E104	8	GFCI RECEPTACLE DUPLEX COVER	HUBBELL HUBBELL	5362W HBLSS84X	HEAVY DUTY GROUND FAULT CIRCUIT INTERRUPT DUPLEX RECEPTACLE, NEMA 5-20R. STAINLESS STEEL DUPLEX FLIP COVER, NEMA 4X.
E105	AS REQ'D	FLEXIBLE METAL CONDUIT	LIQUATITE	TYPE LA	U.L. LISTED, FLEXIBLE METAL CONDUIT, SPIRAL WOUND HOT-DIP GALVANIZED STEEL STRIP. LIQUID-TIGHT PVC JACKET SHALL BE OIL AND SUNLIGHT RESISTANT. ALL FITTINGS AND COUPLINGS SHALL BE LIQUID-TIGHT, DESIGNED FOR USE WITH FLEXIBLE METAL CONDUIT.
E106	AS REQ'D	CABLE CLAMP	GARDNER BENDER	PPR-1600 XTM SERIES	RUBBER INSULATED STAINLESS STEEL CABLE CLAMP.
E107	10	PIER NAVIGATION LIGHT	B&B ROADWAY	MODEL PL	PIER NAVIGATION LIGHT WITH MOUNTING BRACKETS AND STAINLESS STEEL HARDWARE, USCG APPROVED, 180 DEG RED FRESNEL LENS, CAST ALUMINUM HOUSING. CAST JUNCTION BOX WITH GASKET ACCESS COVER. DUAL LED LAMP, 120VAC, AUTOMATIC TRANSFER RELAY SWITCH.
E108	2	SPAN NAVIGATION LIGHT	B&B ROADWAY	MODEL VL	VERTICAL LIFT SPAN NAVIGATION LIGHT WITH MOUNTING BRACKET AND STAINLESS STEEL HARDWARE, USCG APPROVED, 180 DEGREE RED OVER 360 DEGREE GREEN FRESNEL LENS. 100,000 HOUR LIFE LED LAMPS, 120VAC.
E109	2	POWER MONITOR	ELECTRO INDUSTRIES	SHARK 250	3 PHASE POWER AND ENERGY METER, TRANSDUCER MODULE WITH LOCAL DISPLAY. INCLUDE ALL HARDWARE NECESSARY TO ALLOW MONITORING OF INCOMING POWER FEEDERS.
E110	1	HEAVY DUTY SAFETY SWITCH	GENERAL ELECTRIC	TYPE TH	NEMA TYPE 4X 316 STAINLESS STEEL, HEAVY DUTY FUSIBLE SAFETY SWITCH. 3 POLE, 600VAC, 400A, 60 HZ.
E111	2	HANDSET	GAI-TRONICS	700-102	UL LISTED, 120VAC, 60HZ, WALL MOUNT INDOOR STATION WITH HANDSET, SINGLE PARTY, NEMA 1 RATED 16-GAUGE STEEL ENCLOSURE.
E112	1	LINE-BALANCE UNIT	GAI-TRONICS	305-001	LINE-BALANCE ASSEMBLY IN CAST IRON TWO-GANG OUTLET BOX WITH DUST-TIGHT ALUMINUM COVER.
E113	3	SPEAKER AMPLIFIER	GAI-TRONICS	760-003	WEATHERPROOF SPEAKER AMPLIFIER FOR OUTDOOR USE, UL LISTED, ANALOG, 120VAC, 12W.
E114	5	SPEAKER	GAI-TRONICS	HP15-8	OUTDOOR RATED, ABS SPEAKER WITH INTEGRAL DRIVER, STAINLESS STEEL MOUNTING BRACKET. 15W, 8 OHM IMPEDANCE, 110 DEGREE DISPERSION NOMINAL, 116 dB @ 12W.
E115	AS REQ'D	SYSTEM CABLE	GAI-TRONICS	60038-101	EIGHT CONDUCTOR COMMUNICATION AND POWER CABLE WITH (1) 14AWG TWISTED PAIR, (1) 18 AWG TWISTED PAIR, (1) 14AWG CONDUCTOR AND (1) 18AWG CONDUCTOR. PVC INSULATION AND JACKET, 600V, 90 DEG. TYPE TC, UL LISTED FOR OUTDOOR INSTALLATION IN CABLE CHANNEL/WIREWAY.
E116	AS REQ'D	SPEAKER CABLE	GAI-TRONICS	60021-301	TWO CONDUCTOR CABLE WITH (1) 18AWG TWISTED PAIR. PVC INSULATION AND JACKET, 600V, 90 DEG. TYPE TC, UL LISTED FOR OUTDOOR INSTALLATION IN CABLE CHANNEL/WIREWAY.
E117	3	SPEAKER MOUNTING ASSEMBLY	GAI-TRONICS	412B	MOUNTING ASSEMBLY PROVIDED BY SPEAKER MANUFACTURER.
E118	AS REQ'D	BARRIER GATE ARM CABLE	B&B ROADWAY	PWI-145SO	14-5 SOOW CABLE
E119	13	CCTV CAMERA	PELCO	SPECTRA ENHANCED 7 SERIES IR LOOK-UP PTZ	PTZ DOME CAMERA WITH PELCO SUREVISION, POE, 4K RESOLUTION AT 20+ FRAMES PER SECOND, UL LISTED, RATED IP67, NEMA 4X, IK10 FOR IMPACT, AND NEMA TS 2 PARAGRAPHS 2.2.7-2.2.9 FOR ENVIRONMENTAL, VIBRATION, AND SHOCK.
E120	1	NVR	PELCO	VIDEOXPERT ECO 3 SERVER	VIDEO MANAGEMENT SYSTEM WITH SUPPORT FOR LIVE AND PLAYBACK OF 4K VIDEO AND ABILITY TO RECORD AND STORE 30 DAYS OF VIDEO FOOTAGE, 100 to 240 VAC, 60 HZ, 10 DEG TO 35 DEG CELSIUS OPERATING TEMP.
E121	13	CCTV SYSTEM MEDIA CONVERTER	OMNITRON	GPOEBT/S	100W POE ETHERNET MEDIA CONVERTER WITH TWO UPLINK PORTS AND ONE RJ-45 POE USER PORT, -40 DEG. TO 60 DEG CELSIUS, 100 TO 240 VAC, 60 HZ, AC/DC ADAPTER.
E122	1	HDMI FIBER EXTENDER KIT	EATON	TRIPP LITE	HDMI OVER FIBER TRANSMITTER AND RECEIVER, SUPPORTS ULTRA HIGH DEFINITION 4K RESOLUTION @ 60HZ, TRANSMITS UP TO 985 FT 120-240VAC, 60HZ, 0 DEG TO 40 DEG CELSIUS OPERATING TEMP.
E123	2	WALL MOUNT MONITOR	PELCO	PMCL655K	ULTRA HIGH DEFINITION 4K RESOLUTION LED MONITOR, 55 INCH, 178 DEGREE ULTRA WIDE VIEWING ANGLE, STANDARD VESA MOUNTING, HDMI AND DISPLAYPORT INPUTS , 100 TO 240 VAC, 60 HZ
E124	1	CCTV SYSTEM ETHERNET SWITCH	OMNITRON	RUGGEDNET G/MI	INDUSTRIAL GIGABIT ETHERNET SWITCH WITH TWO DUAL FIBER UPLINK PORTS AND COPPER PORTS AS REQUIRED. 100 to 240VAC, 60 HZ, -40 DEG TO 75 DEG CELSIUS OPERATING TEMP.
E125	9	WALL CCTV CAMERA MOUNT	PELCO	PP350	ALUMINUM CAMERA MOUNT FOR PARAPET OR VERTICAL WALL MOUNTING, OUTDOOR RATED
E126	4	PIER CCTV CAMERA MOUNT	PELCO	PP351	ALUMINUM CAMERA MOUNT FOR ROOF OR HORIZONTAL SURFACE MOUNTING, OUTDOOR RATED

1 REVISED 2-6-2026

Notes:
1. These schedules do not reflect all materials, components and equipment which may be required to provide a complete electrical system. Quantities listed shall be verified by contractor prior to purchasing and unless otherwise noted, do not reflect required spare components.
2. See special provisions for additional information on listed equipment.
3. All references to specific manufacturer's, model and catalog numbers are for the purpose of describing the minimum features and quality. Products of equivalent or better quality and features may be proposed by the contractor for substitution. All substitutions are subject to acceptance by the engineer.

MODEL: IB_Sheet_Consultant
FILE NAME: \\rmi.idil_Data\Projects\50\18-Joe Page Bridge Phase II Rehab\CADD\Electrical_Addendum\103100\1-76T66-117-EEqpSch.dgn
2/2/2026 12:42:28 PM

MODJESKI and MASTERS

USER NAME =	DESIGNED - GTW	REVISED - 2/3/2026 GTW	
	CHECKED - KMG	REVISED -	
PLOT SCALE =	DRAWN - AEC	REVISED -	
PLOT DATE =	CHECKED - GTW	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL EQUIPMENT SCHEDULE
STRUCTURE NO. 031-0001
SHEET 117 OF 117 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	266BRR, (4, 5) I	GREENE	117	117
		CONTRACT NO. 76T66		
	ILLINOIS	FED. AID PROJECT #STP-PE84(558)		