04-26-2024 LETTING ITEM 136

0

 \circ

 \circ

0

FOR INDEX OF SHEETS SEE SHEET NO. 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

RANDOLPH

* UNMARKED

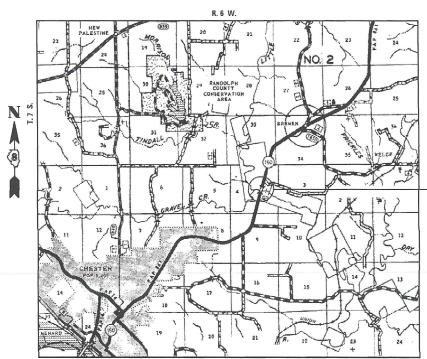
D-98-013-24

PROPOSED

HIGHWAY PLANS

UNMARKED ROUTE (IL 150) SECTION 119–1BR–1 BRIDGE REPAIR RANDOLPH COUNTY

C-98-049-24





LOCATION MAP



NET LENGTH = 97.33 FT. = .01843 MILE



Expiration Date: 11/30/25

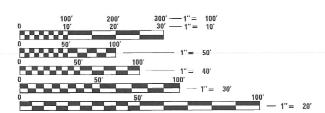
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION OF SECTION INDICATED THUS: - -

March 22, 2024

March 22, 202

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



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

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

PROJECT ENGINEER: BILLIE OWEN PROJECT MANAGER: MEIWU AN

CONTRACT NO. 76T46

INDEX OF SHEETS

- COVER SHEET INDEX OF SHEETS, HIGHWAY STANDARDS,
- GENERAL NOTES, & COMMITMENTS
- SUMMARY OF QUANTITIES
- 4-8 STRUCTURE REPAIR PLANS
- ELECTRICAL AND FIRE PROTECTION GENERAL DATA
- ELECTRICAL DISTRIBUTION SYSTEM REPAIR I
- ELECTRICAL DISTRIBUTION SYSTEM REPAIR II
- ELECTRICAL DISTRIBUTION SYSTEM REPAIR III
- ELECTRICAL DISTRIBUTION SYSTEM REPAIR IV - ELECTRICAL DISTRIBUTION SYSTEM REPAIR V
- 15 FIRE PROTECTION SYSTEM REPAIR

HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

001006 DECIMAL OF AN INCH AND OF A FOOT

OFF ROAD OPERATIONS, 2L, 2W, MORE THATN 15 FT. AWAY 701001-02

701901-09 TRAFFIC CONTROL DEVICES SIGN PANEL MOUNTING DETAIL 720001-01 821101-02 LUMINAIRE WIRING IN POLE

GENERAL NOTES

1) AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
AMEREN ILLINOIS	X	Х
CLEARWAVE FIBER LLC	X	X
EGYPTIAN WATER COMPANY		Х
FRONTIER COMMUNICATIONS	X	Х
NEWWAVE COMMUNICATIONS	Х	Х

- NO SURVEY WAS PERFORMED ON THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- 3) ALL TURE AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

COMMITMENTS

EXISTING AND SALVAGED SIDING, RAFTERS, AND ROOFING NAILERS SHOULD BE RETAINED AND/OR REINSTALLED AS APPROPRIATE. ANY NEW WOOD COMPONENTS MUST MATCH THE DIMENSIONS, PROFILES, AND OVERLAPS OF THE EXISTING COMPONENTS.

IF THE BRIDGE WILL RECEIVE WHOLLY NEW ROOF SHINGLES, THEY SHOULD BE SAWN CEDAR SHINGLES AND NOT SPLIT SHAKES.

ANY REPLACEMENT WOOD VISIBLE TO THE INTERIOR MUST NOT BE PRESSURE TREATED, BECAUSE THIS WOOD IS PROTECTED FROM THE WEATHER, AND BECAUSE IT MUST MATCH IN COLOR THE EXISTING UNPAINTED, NON-PRESSURE TREATED WOOD. THE INTERIOR MUST REMAIN UNPAINTED.

VEENSTRA
& KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = \$USER\$	DESIGNED	-	MAH	REVISED
	DRAWN	-	JRP	REVISED
PLOT SCALE = \$SCALE\$	CHECKED	-	MAH	REVISED
PLOT DATE = 2/8/2024	DATE	-	2-2-2024	REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES. & COMMITMENTS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		119-1BR-1	RANDOLPH	15	2
GLINERAL MOTES, & COMMITMENTS			CONTRACT	NO. 7	6T46
SHEET 1	_	ILLINOIS FED. AI	D PROJECT		

REV. - MS

				BRIDGE
CODE	1751		TOTAL	0013
NO.	ITEM	UNIT	QUANTITY	RURAL
				079-9000
50700205	UNTREATED TIMBER	F.B.M.	4219	4219
50700305	HARDWARE	POUND	290	290
67100100	MOBILIZATION			
07100100	MODILIZATION	L SUM	1	1
81100200	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL	FOOT	124	124
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	124	124
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	254	254
X0322283	VIDEO SURVEILLANCE SYSTEM COMPLETE	EACH	1	1
X0323524	REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT	FACIL	1	1
7,0323321		EACH	1	1
X0323607	FIRE PROTECTION SYSTEM	L. SUM	1	1
X0324192	PAINTING TIMBER STRUCTURE	SQ. FT.	3460	3460
X0324194	CEDAR SHINGLES	SQ. FT.	2670	2670
X0325815	REMOVE EXISTING CABLE	FOOT	816	816
X0326618	ADDRESSABLE FIRE ALARM SYSTEM	L SUM	1	1
X1400238	LUMINAIRE, LED, SPECIAL	5001	A	4
		EACH	4	4

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	9013 RURAL 079-9000
X1400403	LUMINAIRE REPLACEMENT SPECIAL	EACH	3	3
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1	1
X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	238	238
X8950080	REMOVE EXISTING LIGHTING CONTROLLER	EACH	1	1

VEENSTRA & KIMM INC. Springfield, IL. Phone: (217)544-8033 IL. Design Firm No. 184-001939

JSER NAME = \$USER\$ DESIGNED -REVISED DRAWN REVISED CHECKED REVISED PLOT DATE = 2/5/2024 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

100% STATE

CONSTR. CODE

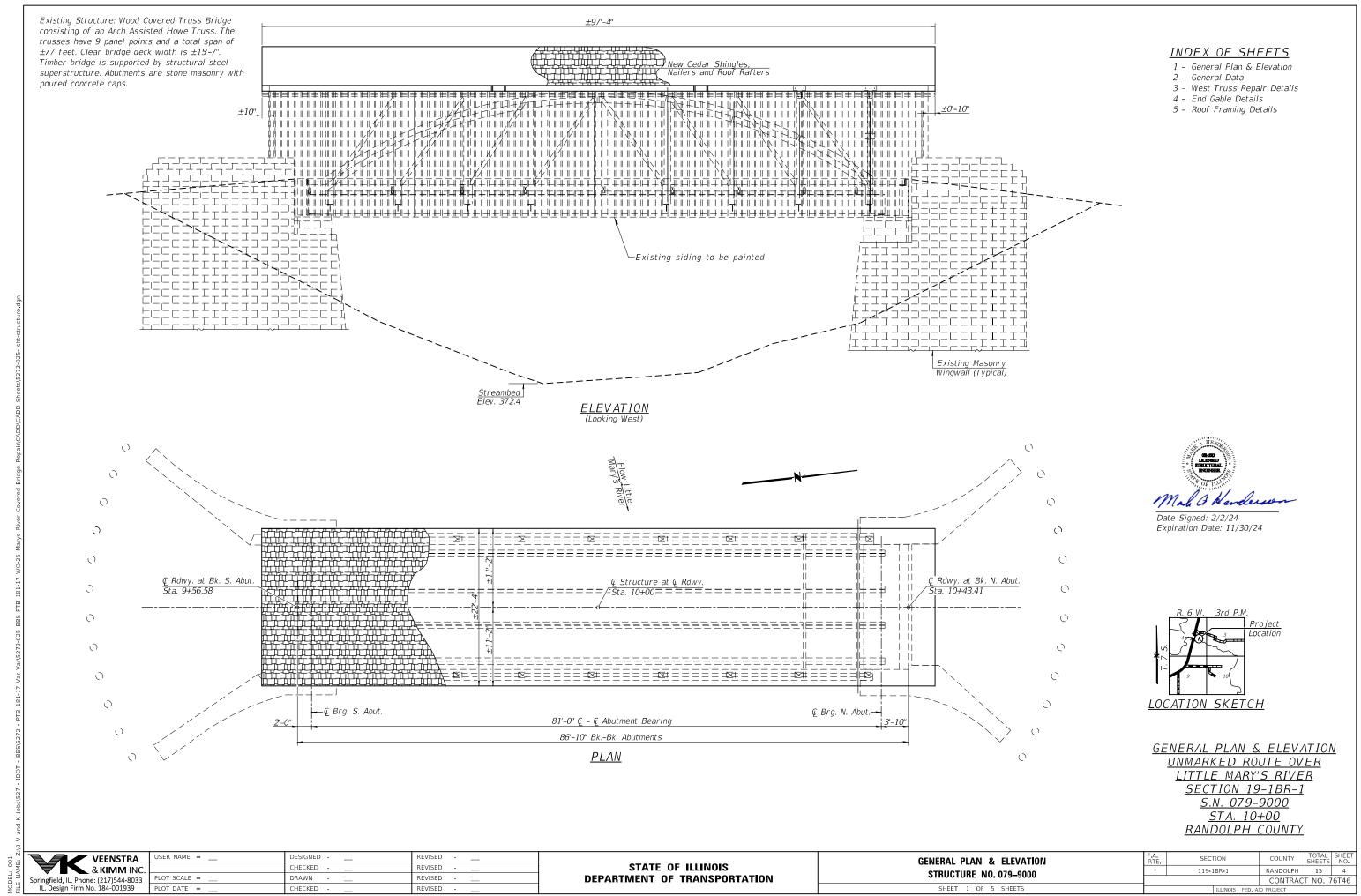
COUNTY TOTAL SHEET NO.

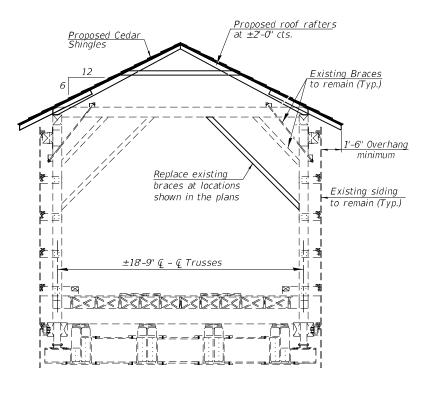
119-1BR-1 RANDOLPH 15 3

CONTRACT NO. 76T46 SUMMARY OF QUANTITIES 119-1BR-1 SHEET 1 OF 1 SHEETS STA. _ TO STA.

100% STATE

CONSTR. CODE





SECTION THROUGH REHABILITATED BRIDGE

(Near Midspan)

SCOPE OF WORK

- 1. Remove any existing skip sheathing, rafters, shingles, and portions of the existing end gabels as shown and required to facilitate construction.
- 2. Provide new roof rafters, new skip sheathing, and new shingles.
- 3. Remove and replace gable end walls at each end of the bridge.
- 4. Replace existing braces at locations shown in plans.
- 5. Paint all existing and new siding.
- 6. Other miscellaneous repairs as shown in the plans.

GENERAL NOTES

The cost of removal and disposal of portions of the existing structure as required to facilitate construction shall be included with "Untreated Timber". (See Special Provisions)

Plan dimensions and details relative to the existing structure have been taken from the existing plans and are subject to nominal construction variances. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the 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 pre-drill holes where required for driving nails, screws and lag bolts. The cost of pre-drilling holes will be included with "Hardware".

The contractor shall be fully responsible for all temporary bracing required to maintain the structure in a stable condition during construction.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Total
Cedar Shingles	Sq. Ft.	2670	2670
Untreated Timber	F.B.M.	4219	4219
Hardware	Pound	290	290
Painting Timber Structure	Sq. Ft.	3460	3460

DESIGN SPECIFICATIONS

2002 A.A.S.H.T.O. Specifications with 2003 Interim Specifications.

LOADING

Roof Snow Load: 20 p.s.f. Roof Live Load: 20 p.s.f. Wind Speed: 107 m.p.h. (ultimate), 85 m.p.h. (service)

<u>DESIGN STRESSES</u>

Fy = 36,000 p.s.i. (Structural Steel M270 Gr. 36) Fb = 800 p.s.i. (Red Oak No. 2) Fv = 170 p.s.i. (Red Oak No. 2) Fc(parr) = 625 p.s.i. (Red Oak No. 2) Fc(perp) = 820 p.s.i. (Red Oak No. 2)

SEISMIC DATA

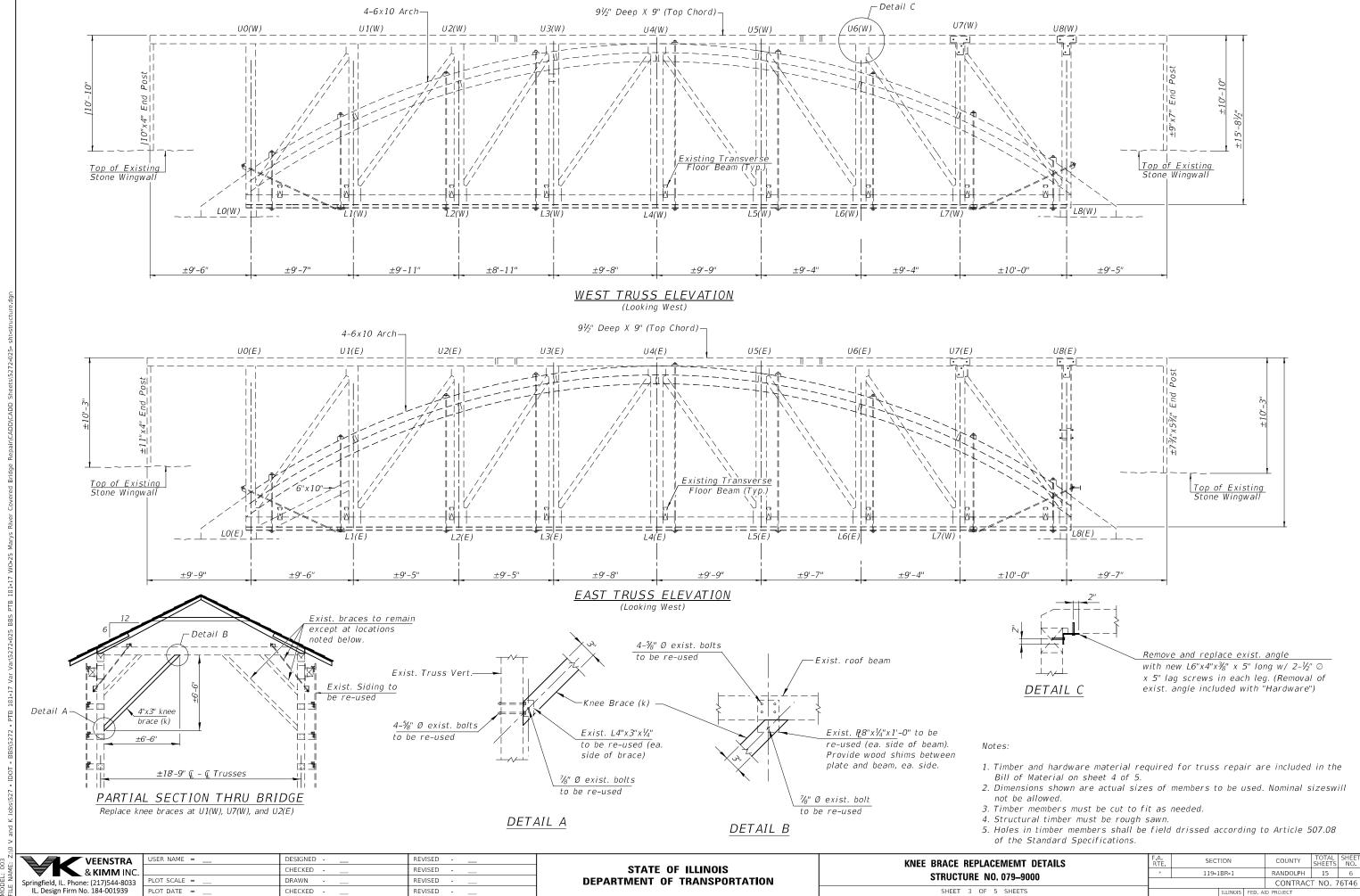
Seismic Performance Category = B Bedrock Acceleration Coeffecient = 13%g Site Coeffecient = 1.0

VEENSTRA & KIMM INC. Springfield, IL. Phone: (217)544-8033 IL. Design Firm No. 184-001939

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 079–9000

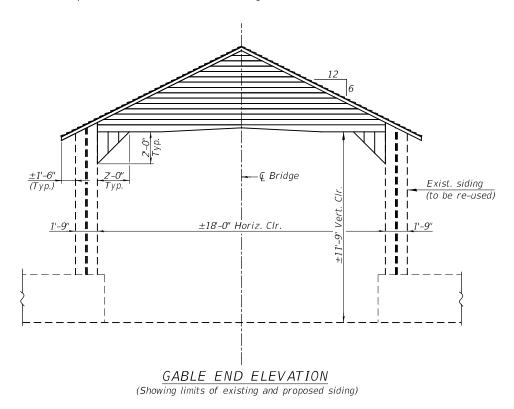
SHEET 2 OF 5 SHEETS

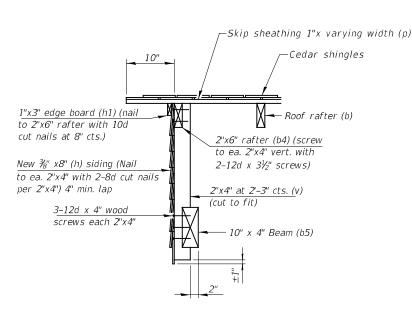


GABLE END ELEVATION

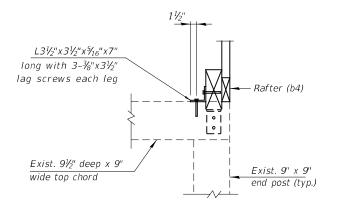
(Showing framing members)

*** Existing bracing in the plane of the top chord of the trusses shall be removed and re-attached as required to facilitate construction of the gable end. Cost included with "Untreated Timber."

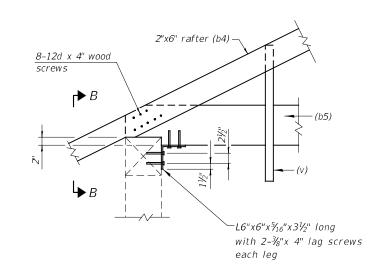




SECTION A-A



SECTION B-B (Siding not shown for clarity)



DETAIL A

(Shingles and nailers not shown for clarity)

BILL OF MATERIAL - ROOF AND END GABLE

	MEMBER	DESCRIPTION	NUMBER	SIZE	MATERIAL		
*	b	Roof Rafter	94	2" x Varies x 11-6"	Red Oak No. 2		
	b1	Rafter Extension	94	2" x 4" x 6'-0"	Red Oak No. 2		
	b2	Rafter Tie	47	2" x 4" x 9'-3"	Red Oak No. 2		
	b3	Ridge Connector Plate	47	2" x Varies x 2'-0"	Red Oak No. 2		
	b4	Gable Roof Rafter	4	2" x 6" x 14-0"	Red Oak No. 2		
	b5	Gable End Beam	2	4" x 10" x 19'-6"	Red Oak No. 2		
	h	Gable Horizontal Siding	30	8" x 3/8" x 12'-0"	Red Oak No. 2		
	h1	Gable Edge Board	4	1" x 3" x 14-0"	Red Oak No. 2		
	k	Knee Brace	3	4" x 3" x 9'-4"	Red Oak No. 2		
**	р	Skip Sheathing	182	1" x Varies x 16'-0"	Red Oak No. 2		
	V	Gable Verticals	14	2" x 4" x 5'-9"	Red Oak No. 2		
	* Height of the section with first 70 standard of the short of the section of the						

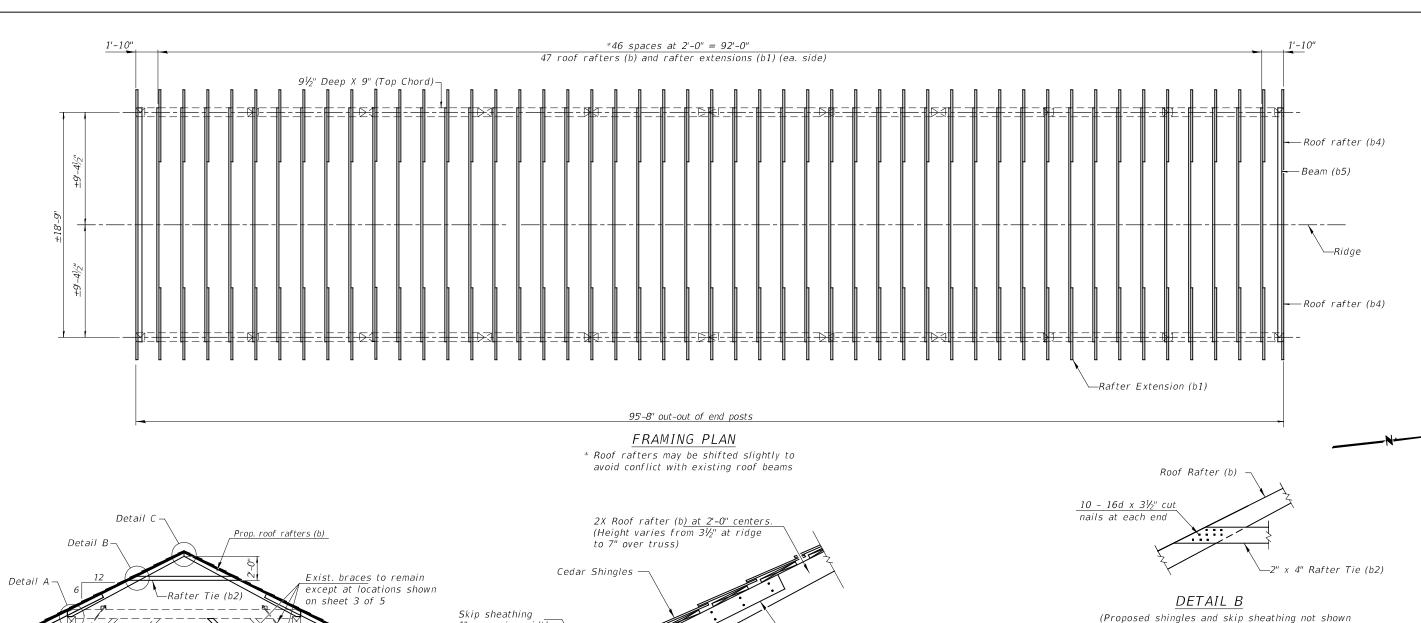
- * Height of roof rafters varies from 7" at outside of top chord of truss to $3\frac{1}{2}$ " at ridge. Height is measured perpedicular to top edge of rafter.
- ** Skip sheathing width shall vary between 6" and 12" and shall be nailed to each roof rafter in a random order with the end joints staggered from rafter to rafter. Distance between skip sheathing shall vary from 2" to 4". Fasten skip sheathing to each rafter using 3 -12d cut nails.

Notes:

- 1. Dimensions shown are actual sizes of members to be used. Nominal sizes will not be allowed.
- 2. Timber members must be cut to fit as needed.
- 3. Structural timber must be rough sawn.
- 4. Holes in timber members shall be field drissed according to Article 507.08 of the Standard Specifications.
- 5. See sheet 5 of 5 for roof framing details.
- 6. See sheet 3 of 5 for knee brace details.



USER NAME =	DESIGNED	REVISED	ĺ
	CHECKED	REVISED	ĺ
PLOT SCALE =	DRAWN	REVISED	
PLOT DATE =	CHECKED	REVISED	ı
	PLOT SCALE = PLOT DATF =	CHECKED -	CHECKED - REVISED - PLOT SCALE = DRAWN - REVISED - PLOT DATE = CHECKED - REVISED - REV



Cedar Shingles Skip sheathing 1" x varying width 2X4 x 6'-0" roof rafter extension (b1) Nail to roof rafter with 2 rows of 10 - 16d x 3½" cut nails at 8" cts. Simpson A34 angle w/ 8-#9 x 1½" SD Screws Simpson H8 Tie with 5 - 10d x 1½" nails DETAIL A

(Existing siding not shown for clarity.)

each side of ridge 2x plate (b3) at

for clarity.)

 $6 - 16d \times 3\frac{1}{2}$ " cut nails

DETAIL C

each rafter

(Proposed shingles and skip sheathing not shown for clarity.)

NOTES

For Bill of Material, see sheet 4 of 5. For details of end gables, see sheet 4 of 5.

1	
I	VEENSTRA
	& KIMM INC.
ı	Springfield, IL. Phone: (217)544-8033
ı	IL. Design Firm No. 184-001939
	IL. Design Firm No. 184-001939

	USER NAME =	DESIGNED	REVISED
С.		CHECKED	REVISED
3	PLOT SCALE =	DRAWN	REVISED
	PLOT DATE =	CHECKED	REVISED
			-

±18'-9" @ - @ Trusses

SECTION THROUGH BRIDGE

Exist. Siding to be re-used

in rafter and 5 - 10d

x 1½" nails in truss

chord

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROOF FRAMING DETAILS
STRUCTURE NO. 079–9000

SHEET 5 OF 5 SHEETS

ELECTRICAL GENERAL NOTES

- CONTRACTOR SHALL VISIT SITE AND VERIFY QUANTITES, LOCATIONS, TYPES, AND ACCESS TO ALL AREAS OF WORK FOR THIS PROJECT. CONTRACTOR SHALL INCLUDE ALL INCIDENTAL CONDUIT, BOXES, SUPPORTS, ETC. AND LABOR FOR A COMPLETE INSTALLATION.
- FINAL LOCATION OF ALL WALL MOUNTED DEVICES SHALL BE COORDINATED WITH ALL OTHER TRADES AND VERIFIED WITH THE ENGINEER PRIOR TO INSTALLATION.
- ALL CONDUITS AND DEVICES SHALL BE CONCEALED AS BRACKETS AND VISIBLE DEVICE HOUSINGS SAME COLOR AS THE STRUCTURAL STEEL.
- COORDINATE ALL DEVICE AND EQUIPMENT LOCATIONS WITH OTHER TRADES. ANY LABOR AND MATERIAL REQUIRED TO ALTER A LOCATION(S) DUE TO LACK OF COORDINATION SHALL BE INCLUDED IN THE CONTRACT.

FIRE PROTECTION SYSTEM GENERAL NOTES

- SPRINKLER CONTRACTOR IS RESPONSIBLE FOR THE **EXECUTION OF THIS WORK AND SHALL BECOME** THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THE CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO
- SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF ALL SPRINKLER HEADS AND PIPING WITH STRUCTURAL ELEMENTS, MECHANICAL, PLUMBING, ELECTRICAL EQUIPMENT AND CONFIGURATION INDICATED ON DRAWINGS. WHERE NECESSARY SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLERS TO ASSURE REQUIRED DISCHARGE PATTERNS AROUND OBSTRUCTIONS AND DIFFERENT ELEVATIONS TO YIELD A PROPER DENSITY FOR THE DESIGNED HAZARD.
- SPRINKLER LOCATIONS SHOWN ON THESE PLANS ARE SUGGESTED LOCATIONS FOR COORDINATION PURPOSES AND DO NOT RELIEVE THE SPRINKLER CONTRACTOR FROM PROVIDING NECESSARY SPRINKLER QUANTITIES AND LOCATIONS FOR A FULLY SPRINKLED BUILDING, LOCATIONS INDICATED SHALL BE FOLLOWED, AND SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER LOCATIONS, QUANTITIES AND SPACING AS REQUIRED TO PROVIDE A FULLY SPRINKLED STRUCTURE ACCORDING TO REQUIREMENTS OF NFPA 13, STATE FIRE MARSHAL AND OTHER APPLICABLE CODES.
- ALL PIPING, FITTINGS AND JOINTS IN SPRINKLER AND STANDPIPE SYSTEMS SHALL CONFORM TO NFPA 13, NON-METALLIC PIPE AND FITTINGS ARE UNACCEPTABLE.
- VALVES WILL BE READILY ACCESSIBLE FROM A SAFE HEIGHT AND ARE TO BE CLEAR OF ALL OBSTRUCTIONS AND THEIR OPERATION SHALL NOT BE ENCUMBERED BY ANY DEVICE OR EQUIPMENT.
- THE SPRINKLER CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THEIR WORK WITH THE CONSTRUCTION THE STRUCTURAL SYSTEM, LIGHTING FIXTURES, SPRINKLER HEADS/MAINS AND OTHER OBSTRUCTIONS. ROUTE PIPING AS HIGH AS POSSIBLE, MAINTAIN PROPER SERVICE ACCESS CLEARANCES.
- ACCURATE SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FIELD INSTALLATION.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT ROUTING OR ALL REQUIRED OFFSETS, ACCESSORIES OR APPURTENANCES, CONTRACTOR SHALL PROVIDE AS REQUIRED TO INSTALL A COMPLETE AND COORDINATED JOB, INCLUDING ANY ADDITIONAL ITEMS REQUIRED TO MEET ACTUAL FIELD CONDITIONS AND EQUIPMENT SELECTED.
- SPRINKLER CONTRACTOR SHALL HYDROSTATICALLY TEST ALL SPRINKLER AND STANDPIPE PIPING IN ACCORDANCE WITH NFPA 13
- FIRE SUPPRESSION DESIGN SHALL BE IN ACCORDANCE WITH NFPA 13, 0.2 GMP/SF AT 1,500 SF, ORDINARY HAZARD GROUP 1.



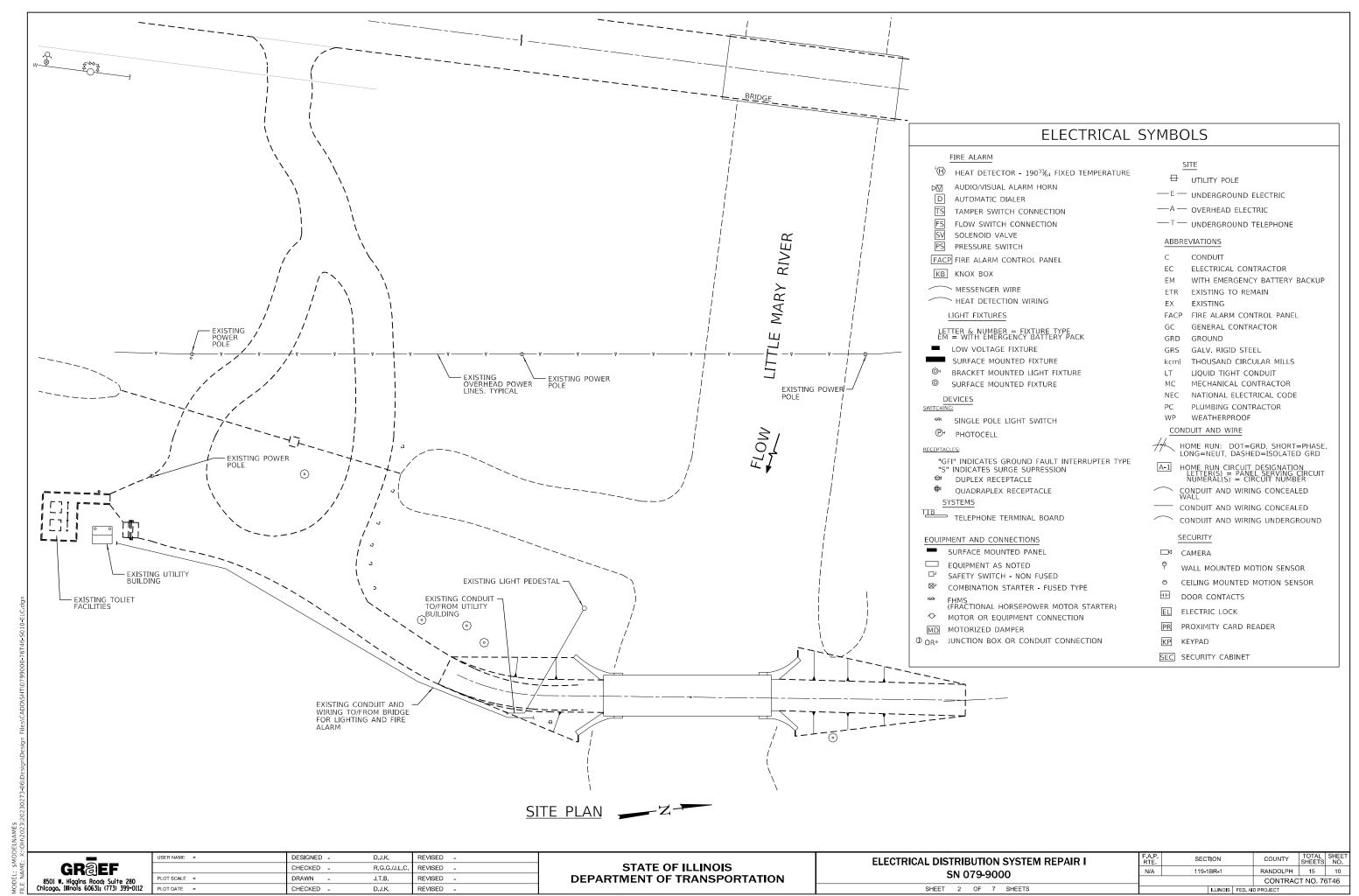
	USER NAME =	DESIGNED -	D.J.K./J.R.G.	REVISED
		CHECKED -	R.G.G./J.L.C.	REVISED
	PLOT SCALE =	DRAWN -	J.T.B.	REVISED
	PLOT DATE =	CHECKED -	D.J.K./J.R.G.	REVISED
-				

TOTAL BILL OF MATERIAL

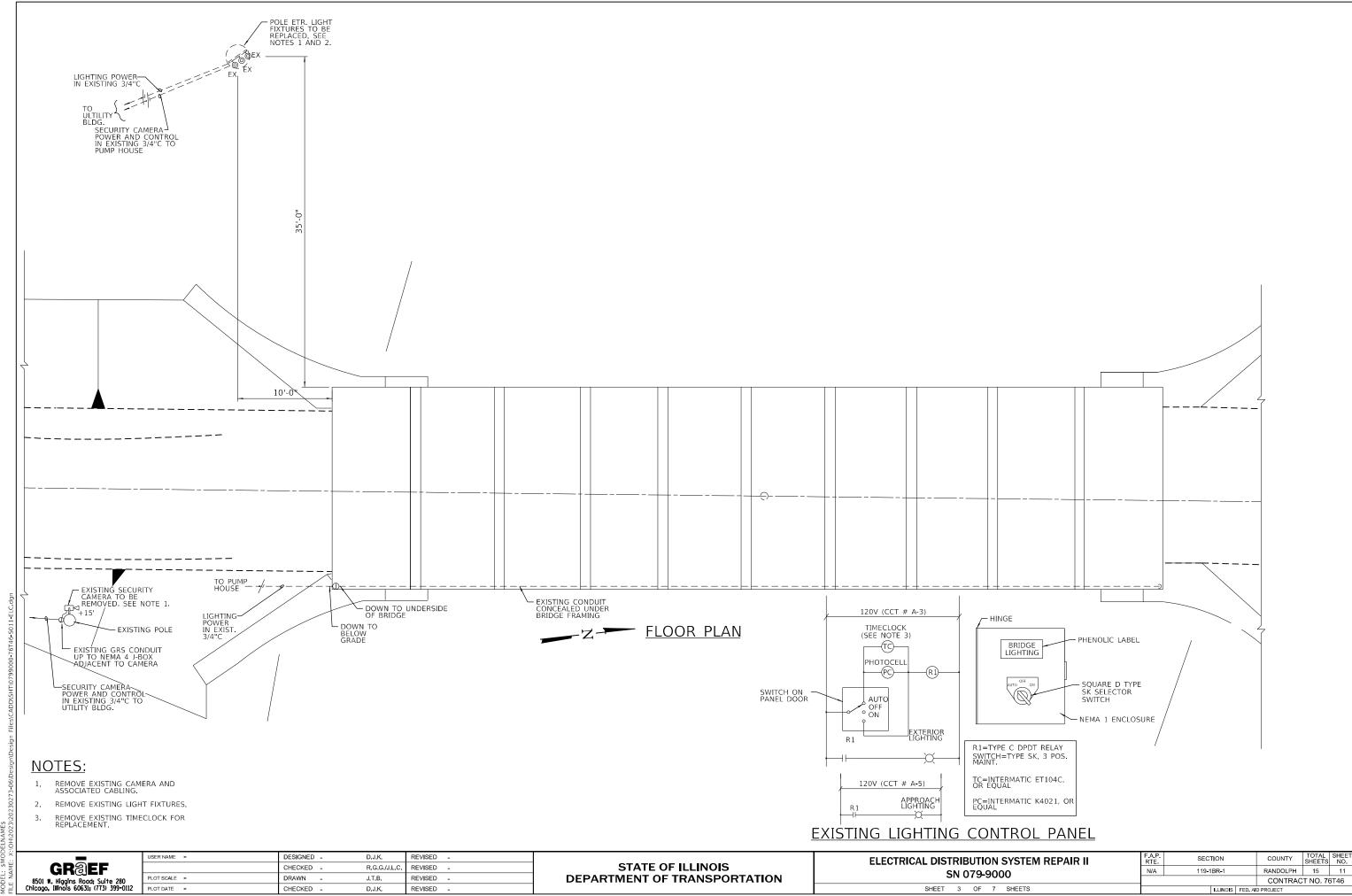
CODE NO.	ITEM	UNIT	TOTAL
81100200	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL	FOOT	124
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	124
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	254
X0322283	VIDEO SURVEILLANCE SYSTEM COMPLETE	EACH	1
X0323524	REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT	EACH	1
X0323607	FIRE PROTECTION SYSTEM	L SUM	1
X0326618	ADDRESSABLE FIRE ALARM SYSTEM	L SUM	1
X0325815	REMOVE EXISTING CABLE	FOOT	816
X1400238	LUMINAIRE, LED, SPECIAL	EACH	4
X1400403	LUMINAIRE REPLACEMENT SPECIAL	EACH	3
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1
X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	238
X8950080	REMOVE EXISTING LIGHTING CONTROLLER	EACH	1

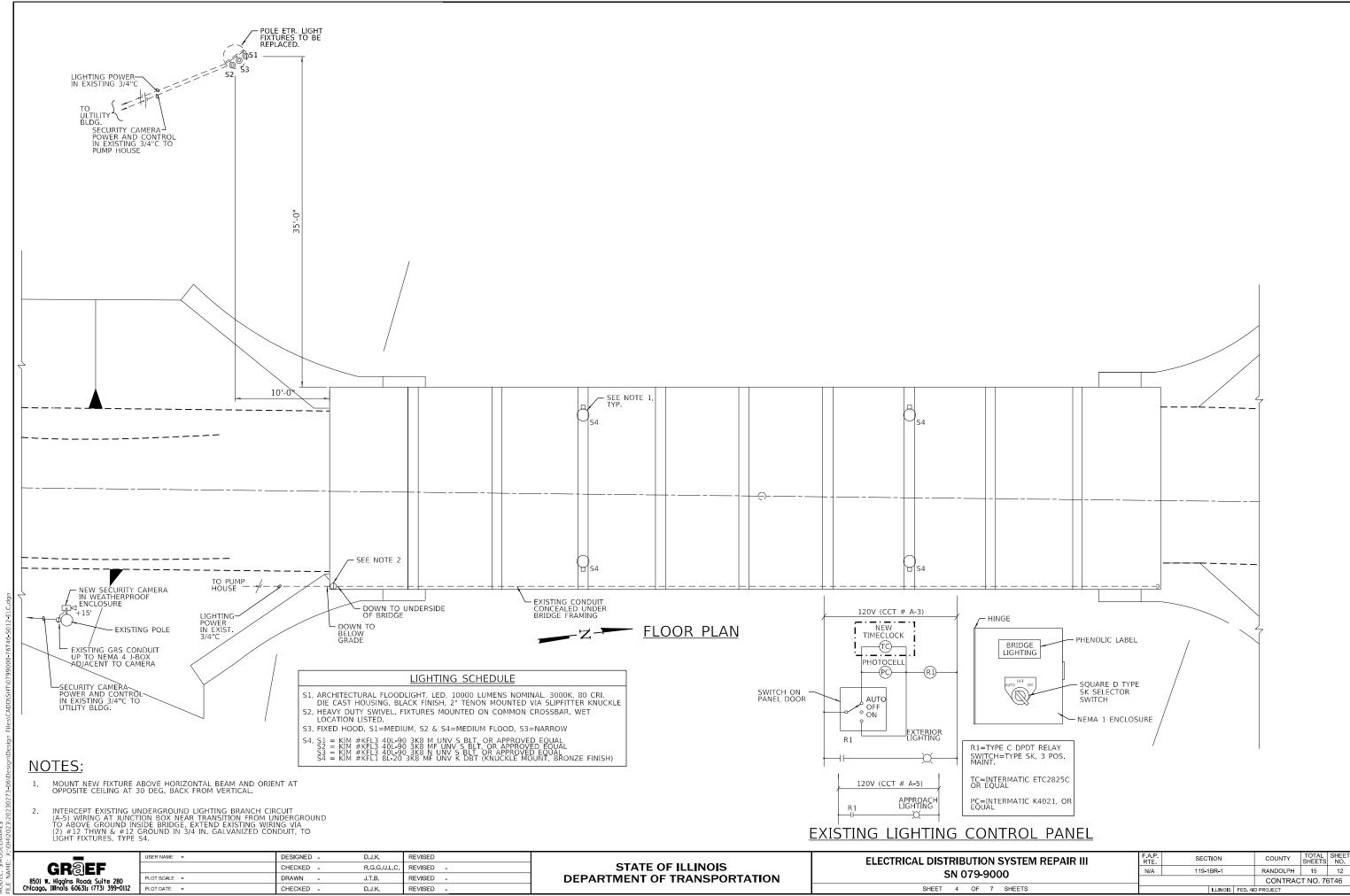
KRAJNAK 062.060566 2/2/2024 License Expires: 11/30/2025

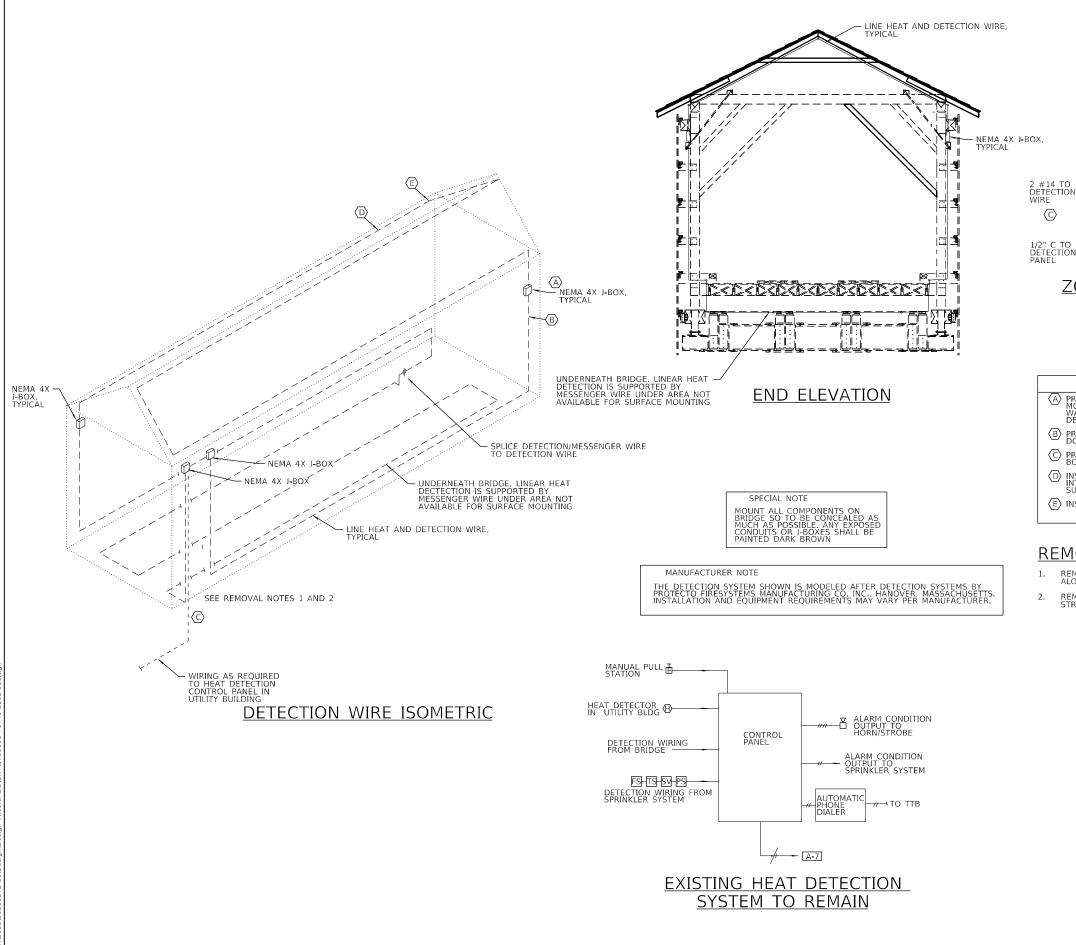
ELECTRICAL AND FIRE PROTECTION GENERAL DATA STATE OF ILLINOIS SN 079-9000 **DEPARTMENT OF TRANSPORTATION** SHEET 1 OF 7 SHEETS



2/2/2024 12:31:46 PM







WEATHERPROOF STRAIN RELIEF CONNECTOR, TYPICAL 1/2" C TO DETECTION PANEL **END START** ZONE BOX DETAIL TEST ZONE/EOL BOX DETAIL

- 6"X6"X4" NEMA 4X ENCLOSURE

- 6"X6"X4" NEMA 4X ENCLOSURE

 \bigcirc

KEYED NOTES

- (A) PROVIDE WEATHERPROOF NEMA 4 ENCLOSURE TO PROTECT DETECTION WIRING FROM MOISTURE. PIPE 1/2"C WITH DETECTION WIRE INTO THE NEMA 4 ENCLOSURE. USE WATERTIGHT STRAIN RELIEF CONNECTOR TO ENSURE A WATERTIGHT CONNECTION FOR DETECTION WIRE TO EXIT THE NEMA 4 ENCLOSURE
- B PROVIDE 1/2"C TO PROTECT DETECTION WIRE FROM BEING TAMPERED WITH. EXTEND CONDUIT DOWN TO NEMA 4 ENCLOSURE LOCATED ON THE UNDERSIDE OF THE WOOD CURB
- \bigcirc PROVIDE 2#14 WIRING IN 1/2"C FROM DETECTION PANEL TERMINALS TO PROTECTIVE ZONE BOX, SEE DETAILS THIS SHEET
- (D) INSTALL STAINLESS STEEL OHS LINE CLIPS AT 15' AND 20' INTERVALS AS THE INTERMEDIATE FASTENERS BETWEEN CORNER MOUNTED WAW CLIPS, WHICH PROVIDE MAIN SUPPORT
- (E) INSTALL WALL CLIP FASTENERS AT CORNERS (TURNS) OF DETECTION CABLE

REMOVAL NOTES:

(C)

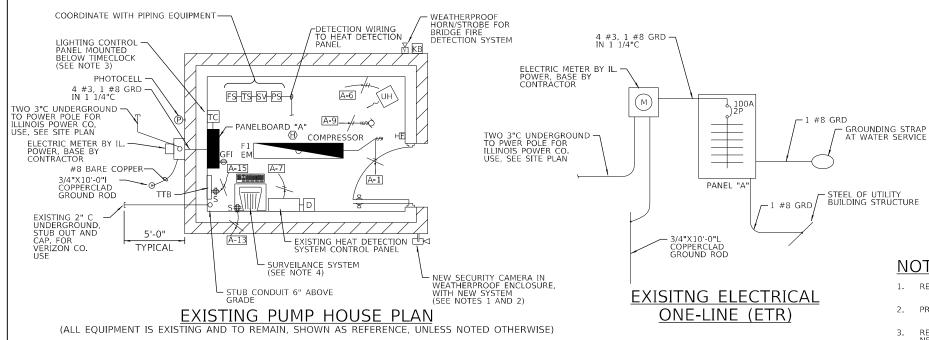
- REMOVE EXISTING HEAT DETECTION SYSTEM CABLING FROM CONDUIT AND ALONG EXISTING BRIDGE ROOF STRUCTURE DURING DEMOLITION PHASE.
- REMOVE EXISTING HEAT DETECTION SYSTEM CONDUIT ATTACHED TO STRUCUTRE INSIDE OF BRIDGE WALL DURING DEMOLITION PHASE.

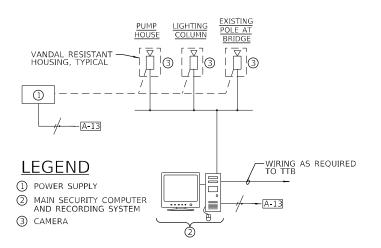
GREF 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112

DESIGNED D.J.K. REVISED CHECKED R.G.G./J.L.C. REVISED DRAWN J.T.B. REVISED CHECKED . D.J.K. REVISED

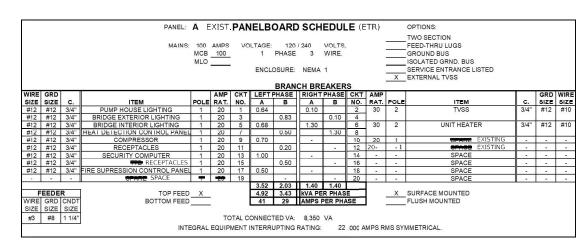
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **ELECTRICAL DISTRIBUTION SYSTEM REPAIR IV** SN 079-9000 SHEET 5 OF 7 SHEETS

SECTION COUNTY N/A 119-1BR-1 RANDOLPH 15 13 CONTRACT NO. 76T46



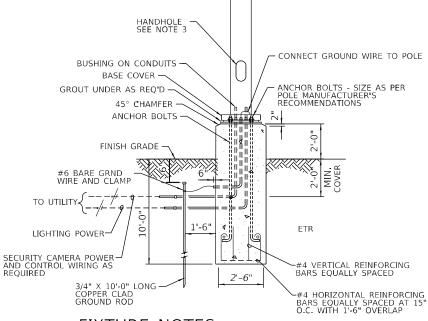


CAMERA SYSTEM ONE-LINE (SEE NOTE 4)



NOTES:

- REMOVE EXISTING CAMERA AND ASSOCIATED CABLING.
- PROVIDE NEW CAMERA WITH NEW VIDEO SURVEILLANCE SYSTEM AT PUMP HOUSE.
- REMOVE EXISTING LIGHTING CONTROL TIME CLOCK AND FURNISH AND INSTALL NEW TIME CLOCK PER ENERGY CODE REQUIREMENTS, INTERMATIC #ETC2825C OR EQUIVALENT. PROGRAM AS REQUIRED FOR EXTERIOR LIGHTING CONTROLS PER ILLINOIS IECC 2021; FOR USE WITH PHOTOCELL (EXISTING) CONTROL, TIME CLOCK TURNS EXTERIOR LIGHTING OFF 1 HOUR AFTER AREA CLOSES, OR MIDNIGHT (MALICHEVER IS ENRILER) WHICHEVER IS EARLIER).
- REMOVE EXISTING VIDEO CAMERA SURVEILLANCE SYSTEM COMPONENTS AND FURNISH AND INSTALL NEW SYSTEM WITH NEW CAMERAS PER PROJECT SPECIFICATIONS.



S2

NEW SECURITY CAMERA -

S3

S1

- EXISTING 12'H ROUND STEEL POLE

ALL MOUNTING BRACKETS AND ASSOCIATED HARDWARE

SUPPLIED WITH LIGHTING FIXTURES

FIXTURE NOTES:

- POLE, CONCRETE BASE, AND ACCESSORIES SHOWN ABOVE ARE EXISTING AND TO REMAIN.
- PROVIDE NEW LIGHT FIXTURES AND CAMERA, INCLUDING NEW LIGHTING POWER CONDUCTORS SPLICED IN POLE, AND WIRING/CABLE TO CAMERA PER SYSTEM REQUIREMENTS.
- ALL WIRING CONNECTIONS SHALL BE SEALED AND SUITABLE FOR DIRECT IMMERSION.

FIXTURE S1, S2, S3 DETAIL

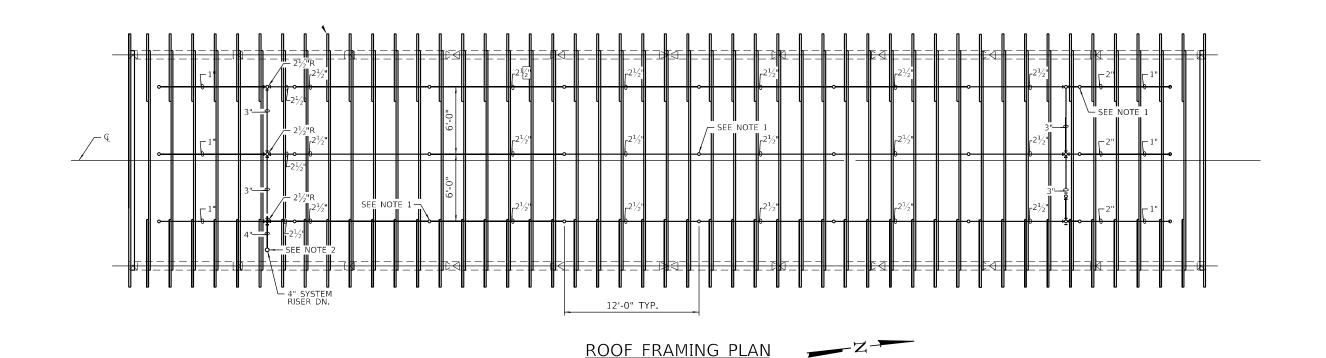
×	_
ii	
Ξ	GR&EF
⊴	GRELL
_	8501 W. Higgins Road: Suite 280
_	Chicago, Illinois 60631: (773) 399-0112
ILE NAME:	8501 W. Hīggins Road; Suite 280 Chīcago, Illīnois 60631; (773) 399-0

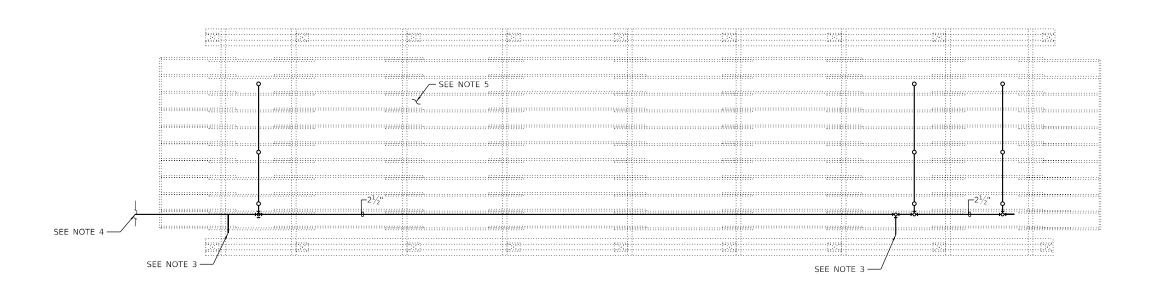
	USER NAME =	DESIGNED -	D.J.K.	REVISED -
		CHECKED -	R.G.G./J.L.C.	REVISED -
ı	PLOT SCALE =	DRAWN -	J.T.B.	REVISED -
	PLOT DATE =	CHECKED -	D.J.K.	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ELECTRICAL DISTRIBUTION SYSTEM REPAIR V SN 079-9000		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		119-1BR-1		RANDOLPH	15	14
314 07 3-3000				CONTRAC	T NO. 76	ETS NO. 5 14
SHEET 6 OF 7 SHEETS		ILLINOIS	FED. AID F	PROJECT		

2/2/2024 12:31:48 PM





NOTES:

- BRANCH PIPING UP TO SPRINKLER HEAD LOCATED NEAR ROOF STRUCTURE, TYP.
- 2. EXTEND MAIN FROM EXISTING TEE LOCATED BELOW BRIDGE DECK.
- EXTEND MAIN FROM EXISTING TEE UP TO ROOF STRUCTURE.
- 4. EXISTING FIRE SUPPRESSION PIPING BACK TO UTILITY BUILDING TO REMAIN.
- 5. ALL EXISTING PIPING UNDER THE BRIDGE DECK TO REMAIN.

	FLOOR	FRAMING	PLAN
--	--------------	---------	------



USER NAME =	DESIGNED -	J.R.G	REVISED	-
	CHECKED -	R.G.G./J.L.C.	REVISED	-
PLOT SCALE =	DRAWN -	J.T.B.	REVISED	-
PLOT DATE =	CHECKED -	J.R.G	REVISED	-