

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	1
		ILLINOIS CONTRACT NO. 63722		

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

**FAU ROUTE 2783 (RIDGELAND AVE.) AND MARION STREET  
SOUTH BOULEVARD TO NORTH BOULEVARD  
VIADUCT ENHANCEMENT  
SECTION 11-00253-00-LS  
PROJECT TE-00D1(861)  
VILLAGE OF OAK PARK  
COOK COUNTY  
C-91-475-11**

SEE SHEET 2 FOR INDEX OF SHEETS

**POSTED SPEED LIMIT**

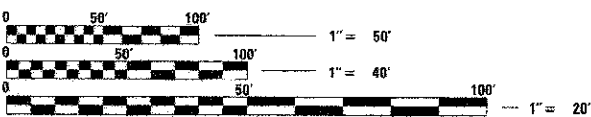
MARION STREET: 30 M.P.H.  
RIDGELAND AVANUE: 30 M.P.H.

**DESIGN DESIGNATION**

MARION STREET: LOCAL ROAD  
RIDGELAND AVANUE: OTHER ARTERIAL

**TRAFFIC VOLUME**

MARION STREET: 4,000 VPD  
RIDGELAND AVANUE: 18,000 VPD



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

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



**PROJECT ENDS  
STA. 99 + 84.15**

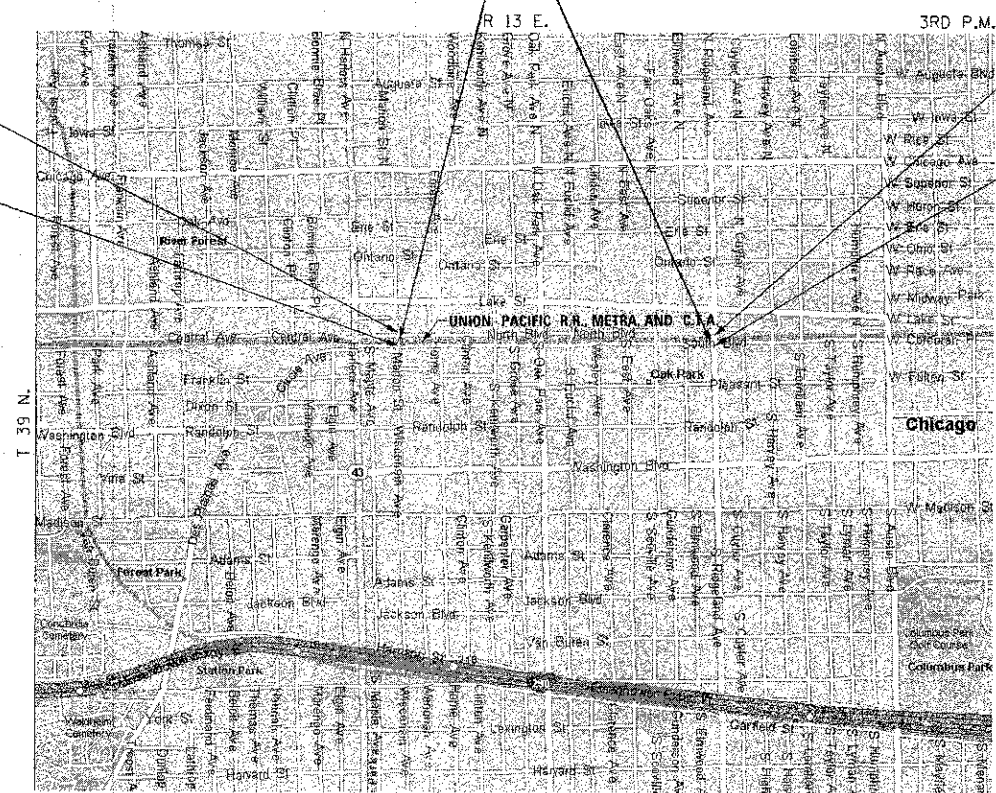
**PROJECT BEGINS  
STA. 98 + 33.66**

SN 016-9969  
STA. 99+07.25

SN 016-0709  
STA. 90+50.99

**PROJECT ENDS  
STA. 91 + 53.42**

**PROJECT BEGINS  
STA. 89 + 55.03**



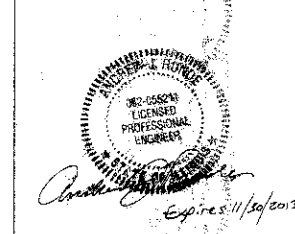
OAK PARK TOWNSHIP LOCATION MAP  
NO SCALE

MARION GROSS LENGTH=	150.49 FT = 0.029 MILES
MARION NET LENGTH=	150.49 FT = 0.029 MILES
RIDGELAND GROSS LENGTH=	198.39 FT = 0.038 MILES
RIDGELAND NET LENGTH=	198.39 FT = 0.038 MILES
TOTAL GROSS AND NET LENGTH=	348.88 FT = 0.067 MILES

STRAND ASSOCIATES, INC.  
IDFPR NO. 184001273



ALL EXCEPT ELECTRICAL DETAILS



ELECTRICAL DETAILS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED DEC 12 2012  
*John R. Holt*  
VILLAGE OF OAK PARK - VILLAGE ENGINEER  
Exp. 11/30/2013

PASSED JANUARY 8, 2013  
*C. Holt*  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW JANUARY 9, 2013  
*John Costantino*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200  
IDFPR NO. 184001273

CONSULTANT: STRAND ASSOCIATES, INC. (BIS) 744-4200  
PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL.

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2012, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2013, THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
2. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
6. 48 HOURS PRIOR TO THE START OF ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AND THE VILLAGE OF OAK PARK FOR VERIFICATION OF ALL UTILITY LOCATIONS IN THE FIELD.
7. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
8. THE CONTRACTOR SHALL COORDINATE WITH ALL ABOVE AND UNDERGROUND UTILITY COMPANIES IF UTILITIES NEED TO BE RELOCATED.
9. THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK
10. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKER MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DISRUPTED BY THEIR OPERATIONS.
11. SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED SHALL BE PROVIDED AT ALL CROSSWALK AND DRIVEWAY LOCATIONS OR AS DIRECTED BY THE ENGINEER, ACCORDING TO STANDARD 424001.
12. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT. ACCESS SHALL BE MAINTAINED AT ALL TIMES TO THE STATION AT MARION STREET.
13. THE CONTRACTOR SHALL TAKE CARE TO PROTECT EXISTING LANDSCAPING NOT SCHEDULED FOR REMOVAL. LANDSCAPING THAT IS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND AND AT THEIR EXPENSE.
14. LAYOUT AND STAKING FOR ALL CONSTRUCTION OPERATIONS SHALL BE PROVIDED BY THE CONTRACTOR.
15. TOP SOIL SHALL BE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER AND FREE OF ROOT STUMPS, STONES AND OTHER MATERIAL HARMFUL TO PLANT GROWTH.
16. ALL SIGN RELOCATIONS AND PROPOSED SIGNS SHALL BE PLACED IN THE LOCATION INDICATED IN THE SIGN SCHEDULE IN THE SCHEDULE OF QUANTITIES. ALL SIGNS SHALL BE INSTALLED ACCORDING TO THE MUTCD AND THE ILLINOIS STANDARD SPECIFICATIONS.
17. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS/METHOD OF CONSTRUCTION.
18. PROPOSED SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.00%, AS DETERMINED BY THE ENGINEER.

19. THE VILLAGE OF OAK PARK WATER DEPARTMENT (708)-445-3340 EXT. 3375 SHALL BE RESPONSIBLE FOR TURNING THE WATER MAIN VALVES ON AND OFF. THE CONTRACTOR IS NOT ALLOWED TO TURN THE OAK PARK OWNED WATER MAIN VALVES ON AND OFF. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF OAK PARK FOR A WATER METER IF NECESSARY.
20. THE CONTRACTOR SHALL SAW CUT THE EXISTING SIDEWALK AT THE BACK OF CURB. ANY DAMAGE TO THE CURB OR CURB AND GUTTER SHALL BE REPAIRED AT NO COST TO THE CONTRACT. SAW CUTTING SHALL BE INCIDENTAL TO THE CONTRACT.
21. NO FIELD WELDING IS PERMITTED TO THE EXISTING RAILROAD STRUCTURES.
22. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD, METRA, AND CTA RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD, METRA, AND CTA RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.
23. THE CONTRACTOR SHALL REMOVE AND STORE ITEMS MOUNTED TO THE EXISTING STEEL VIADUCT THAT SHALL BE IMPACTED BY THE PROPOSED WORK. THE CONTRACTOR SHALL REINSTALL THE ITEMS IMMEDIATELY FOLLOWING THE COMPLETION OF THE WORK.
24. THE CONTRACTOR SHALL NOTIFY THE RAILROAD COMPANIES PRIOR TO THE START OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL THE REQUIREMENTS OF THE RAILROAD COMPANIES. BELOW ARE THE CONTACTS:
25. COMPANY: CHICAGO TRANSIT AUTHORITY  
CONTACT: JIM HARPER (CHIEF ENGINEER) TELEPHONE: 312-681-3960 OR DAN SCHIFFER (MANAGER STRUCTURE MAINTENANCE) TELEPHONE: 773-722-4138  
ANY WORK TAKING PLACE UPON THE RAILROAD RIGHT-OF-WAY OR STRUCTURE MUST FIRST BE COORDINATED WITH CTA PERSONELL. CTA UTILIZES CONTINUOUS 600 VOLT DC IN ELECTRIFIED THIRD RAILS AT TRACK LEVEL, PRESENTING POTENTIALLY HAZARDOUS AND FATAL ARCING PROBLEMS.
26. COMPANY: UNION PACIFIC RAILROAD  
CONTACT: BYRON THIESSE (MANAGER, STRUCTURAL PROJECTS)  
TELEPHONE: 312-496-4729  
FAX: 402-233-2893
27. A NOMINAL QUANTITY OF INLET FILTERS HAS BEEN PROVIDED TO PROTECT EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT AREA. THE ACTUAL NEED FOR INLET FILTERS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
28. FASTENERS SHALL BE ASTM A325, MECHANICALLY GALVANIZED BOLTS UNLESS OTHERWISE NOTED.
29. PLAN DIMENSIONS AND DETAILS RELATIVE TO 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.
30. QUANTITIES HAVE BEEN INCLUDED FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND SUBBASE GRANULAR MATERIAL, TYPE B, 6". THE ACTUAL NEED FOR THESE SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

**CLEANING AND PAINTING EXISTING STRUCTURES**

1. ALL SHOP DRAWINGS SHOULD BE SENT FOR APPROVAL BY UNION PACIFIC RAILROAD, METRA, AND CTA
2. IN THE "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" SPECIAL PROVISION, PAINT SYSTEM 3 - EM/EM/AC SHALL BE USED.
3. THE CONTRACTOR SHALL MAINTAIN ALL SIGNING ATTACHED TO THE VIADUCTS DURING BRIDGE CLEANING AND PAINTING. THIS COST SHALL BE INCLUDED IN THE UNIT PRICE FOR CLEANING AND PAINTING STRUCTURAL STEEL, IN THE APPROPRIATE LOCATION.

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEM
- 424001-07 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006-01 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-04 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701101-03 OFF-ROAD OPERATIONS, MULTILANE 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701601-08 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-02 TRAFFIC CONTROL DEVICES
- 825001-01 LIGHTING CONTROLLER POLE MOUNTED, 240V

**DISTRICT ONE STANDARDS**

- BE-702 MISCELLANEOUS DETAILS SHEET A- CABLE SPLICE, POLE WIRING, TRENCH DETAIL
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS

**VILLAGE OF OAK PARK**

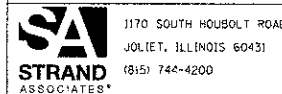
POLICE DEPARTMENT (708) 386-3800  
FIRE DEPARTMENT (708) 386-3300

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DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.

FILE NAME = S:\JUL\0708-6749\678A\02\Marion\con\CD\02\_Sheets\0161722\_sht-gmno-ba.dgn



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - JDM	REVISED - 01-07-2013
	PLOT SCALE = 20,0000' / IN.	DRAWN - JKP	REVISED -
	PLOT DATE = 1/7/2013	CHECKED - MTC	REVISED -
		DATE - 05-07-2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES,  
HIGHWAY STANDARDS AND DISTRICT ONE DETAILS**

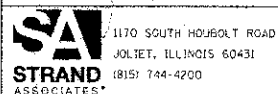
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	2
SCALE: AS SHOWN			SHEET NO. OF SHEETS STA. TO STA.	
ILLINOIS FED. AID PROJECT CONTRACT NO. 63722				



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONST. CODE	CONST. CODE
				80% FED	100% OAK PARK
				20% OAK PARK	SAFETY
				0031	0031
				URBAN	URBAN
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	92	92	
67100100	MOBILIZATION	L SUM	1	1	
△ 70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
△ * 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	
△ * 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1	
* 81100510	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,079	1,079	
* 81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	32	32	
* 81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	13	13	
* 81702420	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	647	647	
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	20	20	
* 87301405	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 16 1 PAIR	FOOT	320	320	
△ * D2003776	EVERGREEN, THUJA OCCIDENTALIS SMARAGD (EMERALD GREEN AMERICAN ARBORVITAE), 5' HEIGHT, BALLED AND BURLAPPED	EACH	7	7	
△ X0321309	CONCRETE PAD	SQ YD	186	186	

\* SPECIALTY ITEM

FILE NAME: S:\JL\6722-6799\6794\02\Microsoft\CADD\Sheets\0163722-ent-500.dgn



USER NAME = dennisw	DESIGNED - JDM	REVISED -
	DRAWN - JKP	REVISED -
PLOT SCALE = 1/8"=1'-0"	CHECKED - MTC	REVISED -
PLOT DATE = 1/4/2013	DATE - 05-07-2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

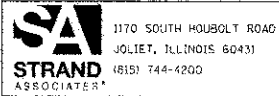
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-L5	COOK	25	4
CONTRACT NO. 63722				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONST. CODE		
				80% FED	100% OAK PARK	
				20% OAK PARK		
				SAFETY	SAFETY	
				0031	0031	
				URBAN	URBAN	
△	X5017307	PROTECTIVE SHIELD, SPECIAL	SO YD	35	35	
△ *	X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1	1	
△	XX001621	BRICK PAVER REMOVAL	SO FT	1,036	1,036	
△ *	XX002065	LIGHTING UNIT COMPLETE	EACH	12	12	
△	XX002202	VEHICLE CONTROL BOLLARDS	EACH	16	16	
△	XX005642	GATEWAY MONUMENT SIGN COMPLETE	EACH	13	13	
△	XX006066	SIGN TO BE RELOCATED	EACH	21	21	
△	XX007788	ORNAMENTAL METAL PANEL	EACH	26	26	
△	XX008232	BICYCLE RACKS TO BE MOVED	EACH	11	11	
△ *	XX008592	ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 4/C NO. 8 & 1/C NO. 8 GROUND	FOOT	401	401	
△ *	XX008593	ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 6/C NO. 8 & 1/C NO. 8 GROUND	FOOT	974	974	
△ *	XX008685	ILUMILINE 36 IP OPTIC 30 RGB	EACH	38	38	
△	XX008686	BIKE SHELTER	EACH	2	2	
△ *	XX008687	ART PANEL	EACH	10	10	

\* SPECIALTY ITEM

FILE NAME = SA\J01467801-E\99\6784\012\Micro\CS00 Sheets\0163722-11-500.dwg



1170 SOUTH HOBOLT ROAD  
JOLIET, ILLINOIS 60431  
68151 744-4200

USER NAME = dennis\*  
DESIGNED - JDM  
DRAWN - JKP  
CHECKED - MTC  
DATE = 05-07-2012

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

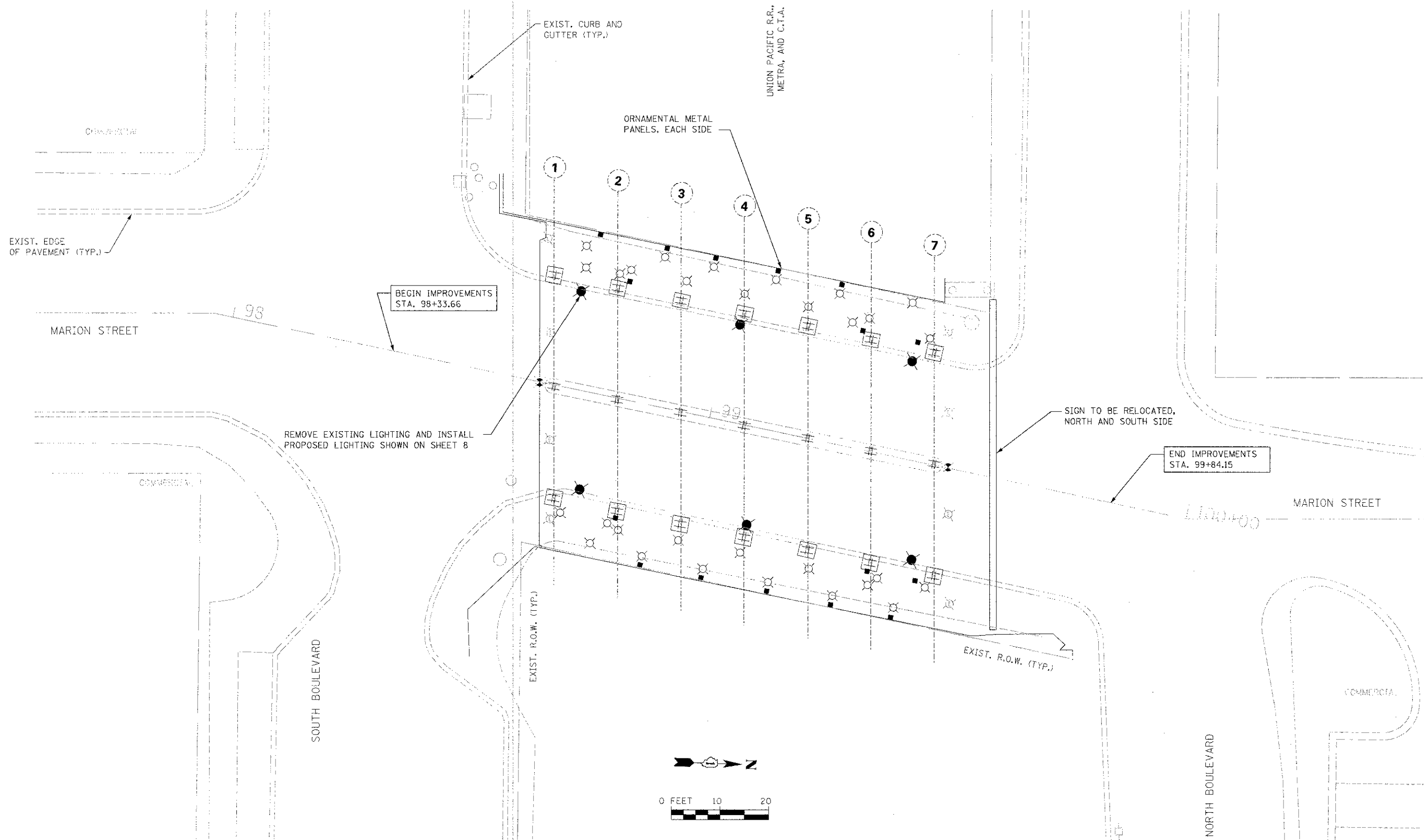
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63722	



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**SA**  
STRAND  
ASSOCIATES\*

1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

USER NAME = dennisw	DESIGNED - JDM	REVISED -
DRAWN - JKP	REVISED -	
CHECKED - MTC	REVISED -	
DATE - 05-07-2012	REVISED -	
PLOT SCALE = 10.0000' / IN.		
PLOT DATE = 1/4/2013		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MARION STREET PLAN</b>	
SCALE: AS SHOWN	SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	7
CONTRACT NO. 63722			ILLINOIS FED. AID PROJECT	

LOAD TABLE		
CIRCUIT	RED PHASE LOAD (AMPS)	BLACK PHASE LOAD (AMPS)
A	5.7	0
B	4.7	0
C	0	7.8
TOTALS	10.4	7.8

**KEY NOTES:**

- INTERCEPT EXISTING LIGHTING AND FLASHING BEACON CIRCUITS AT EXISTING CONDUIT BELOW PROPOSED JUNCTION BOX
- ELECTRIC CABLE IN CONDUIT, 600V (XPR TYPE USE), 6-1/C NO. 8, 1/C NO. 8 GROUND
- ELECTRIC CABLE IN CONDUIT, 600V (XPR TYPE RHW), 4-1/C NO. 8, 1/C NO. 8 GROUND
- ELECTRIC CABLE IN CONDUIT, 600V (EPR TYPE RHW) 3-1/C NO. 8

**KEY NOTES:**

- EXISTING LIGHTING CONTROLLER IS LOCATED ON THE SOUTHWEST CORNER OF PLEASANT ST. AND MARION STREET. EXISTING CONDUIT LENGTH = 550 FT.
- SUPPLY AND INSTALLATION OF DRIVER ENCLOSURES (8 TOTAL), CONNECTIONS TO GATEWAY MONUMENT SIGN, CONNECTIONS TO ILLUMLINE 36 IP OPTIC 30 RGB (20 TOTAL), AND CONNECTIONS TO ILLUMIPOD 7 IP OPTIC 18 VW 2:1 DOWNLIGHT (10 TOTAL) SHALL BE INCIDENTAL TO JUNCTION BOX INSTALLATION.
- RECONNECT EXISTING FLASHING BEACONS (2 TOTAL) TO NEW WIRING. THIS WORK SHALL BE INCLUDED IN THE COST OF ELECTRIC CABLE IN CONDUIT, 600V (EPR TYPE RHW) 3-1/C NO. 8. CIRCUIT A, 120 V.

**GENERAL NOTES:**

- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE TAKEN TO MEAN THE LATEST EDITION OF NEC, IES, & IDOT STANDARDS.
- ALL NEW CONDUIT SHALL BE PVC-COATED RIGID GALVANIZED STEEL. CONDUIT MOUNTED TO CONCRETE SURFACES SHALL UTILIZE STAINLESS STEEL HARDWARE.
- UNDERPASS ROADWAY LUMINAIRES SHALL BE WALL MOUNTED 10 FEET ABOVE PAVEMENT SURFACE.
- JUNCTION BOXES AND LIGHTING CONTROLLER SHALL BE MOUNTED TO CONCRETE WALL WITH STAINLESS STEEL UNISTRUT AND HARDWARE FOR MOUNTING. BOXES SHALL NOT BE MOUNTED DIRECTLY TO CONCRETE SURFACE.
- ALL UNDERPASS ROADWAY LUMINAIRES SHALL BE 40 LAMPS, 66 WATTS, LED, 525MA DRIVER, DISTRIBUTION TYPE IV, MEDIUM CUTOFF, AT 120 V.
- SPLICING OF CONDUCTORS SHALL ONLY BE ALLOWED IN THE LUMINAIRES OR IN JUNCTION BOXES.
- REMOVAL OF EXISTING LUMINAIRE INCLUDES REMOVAL OF ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, CONTROLLER, HARDWARE, AND APPURTINEMENT MATERIALS AS NOTED IN SECTION 842.03 OF THE STANDARD SPECIFICATIONS.
- RECONNECTION TO EXISTING GATEWAY FASCIA ASSEMBLY LIGHTING CIRCUITS SHALL BE INCIDENTAL TO JUNCTION BOX INSTALLATION.
- WIRING IS DIAGRAMATIC ON THIS DRAWING. SEE ORNAMENTAL PANEL DRAWINGS FOR LIGHT FIXTURE LOCATIONS.

**LEGEND:**

- LIGHTING UNIT COMPLETE (X=CIRCUIT DESIGNATION)
- ILLUMLINE 36 IP OPTIC 30 RGB (UPLIGHT)
- ILLUMLINE 36 IP OPTIC 30 RGB (UPLIGHT AIMED DOWNWARD)
- ILLUMIPOD 7 IP OPTIC 18 VW 2:1 (DOWNLIGHT)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"
- JUNCTION BOX, 6"x6"x4"
- CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., PVC COATED GALVANIZED STEEL
- EXISTING GATEWAY FASCIA ASSEMBLY LIGHTING TO REMAIN
- REMOVAL OF EXISTING LUMINAIRE, NO SALVAGE
- EXISTING HANDHOLE
- EXISTING FLASHING BEACON
- KEY NOTE
- DRIVER

CONTRACTOR SHALL PROVIDE WIRING FROM EXISTING LIGHTING CONTROLLER AT PLEASANT ST. TO THE VIADUCT THROUGH THE EXISTING 2" CONDUIT AND UP TO THE PROPOSED 12"x12"x6" JUNCTION BOX FOR DISTRIBUTION.

LIGHTING UNIT COMPLETE (TYP.) STA. 98+64, 20' LT  
SEE SHEET 9 FOR GATEWAY MONUMENT SIGN DETAILS

CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA. PVC COATED GALVANIZED STEEL (TYP.)

DRIVER ENCLOSURE FOR GATEWAY MONUMENT SIGN LED LIGHTING. CIRCUIT C. 120V. (TYP. OF 2)

SEE SHEET 9 FOR GATEWAY MONUMENT SIGN DETAILS

DRIVER ENCLOSURE FOR ORNAMENTAL PANEL LED LIGHTING. CIRCUIT C. 120V. (TYP. OF 6)

EXISTING GATEWAY FASCIA ASSEMBLY LIGHTING (TYP. OF 8)

ILLUMLINE 36 IP OPTIC 30 RGB (10 REQ'D EACH SIDE)

6"x6"x4" JUNCTION BOX (8 REQ'D EACH SIDE)

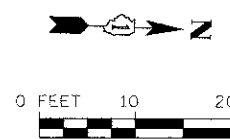
EXIST. CURB AND GUTTER (TYP.)

EXISTING 2" CONDUIT FOR PROPOSED POWER FEED

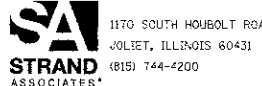
12"x12"x6" JUNCTION BOX (TYP.)

UNION PACIFIC R.R., METRA, AND C.T.A.

EXIST. R.O.W. (TYP.)



FILE NAME = S:\JUL\_16702-6799\6791\812\Marion\CA00\_Sheet\11063722-akt-marion-elect.dgn



1170 SOUTH HOBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200  
PLOT SCALE = 1/8" = 1'-0"  
PLOT DATE = 1/4/2013

USER NAME = jdm1134  
DESIGNED - JDM  
DRAWN - JKP  
CHECKED - MTC  
DATE - 05-07-2012

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MARION STREET ELECTRICAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	8
CONTRACT NO. 63722				
ILLINOIS FED. AID PROJECT				

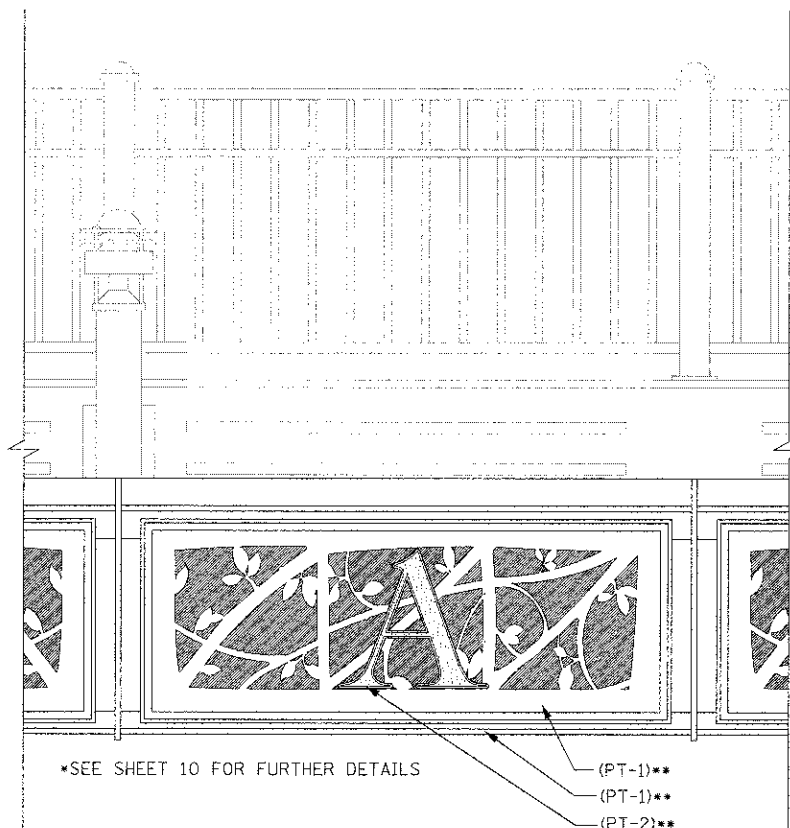


**NOTES:**

1. ALL DIMENSIONS INCLUDING BUT NOT LIMITED TO EXISTING FASCIA STRUCTURE BRACKET SPACING, AND RAILING SPACING TO BE FIELD VERIFIED BY CONTRACTOR.
2. EACH SIGN TO BE RELOCATED TO BE CENTERED BETWEEN THE BRACKETS OF THE EXISTING FASCIA STRUCTURE.
3. SEE ELECTRICAL PLAN FOR LIGHTING AND ELECTRICAL MODIFICATIONS.
4. CLEANING AND PAINTING STRUCTURAL STEEL, AT THE LOCATION ENUMERATED SHALL INCLUDE BUT IS NOT LIMITED TO COLUMNS, PIER BENTS, BASE PLATES, BRACKETS, FASCIA BEAM, AND CONNECTIONS. THE BEAMS COMPRISING THE MAIN SUPERSTRUCTURE SHALL NOT BE PAINTED.

**LEGEND:**

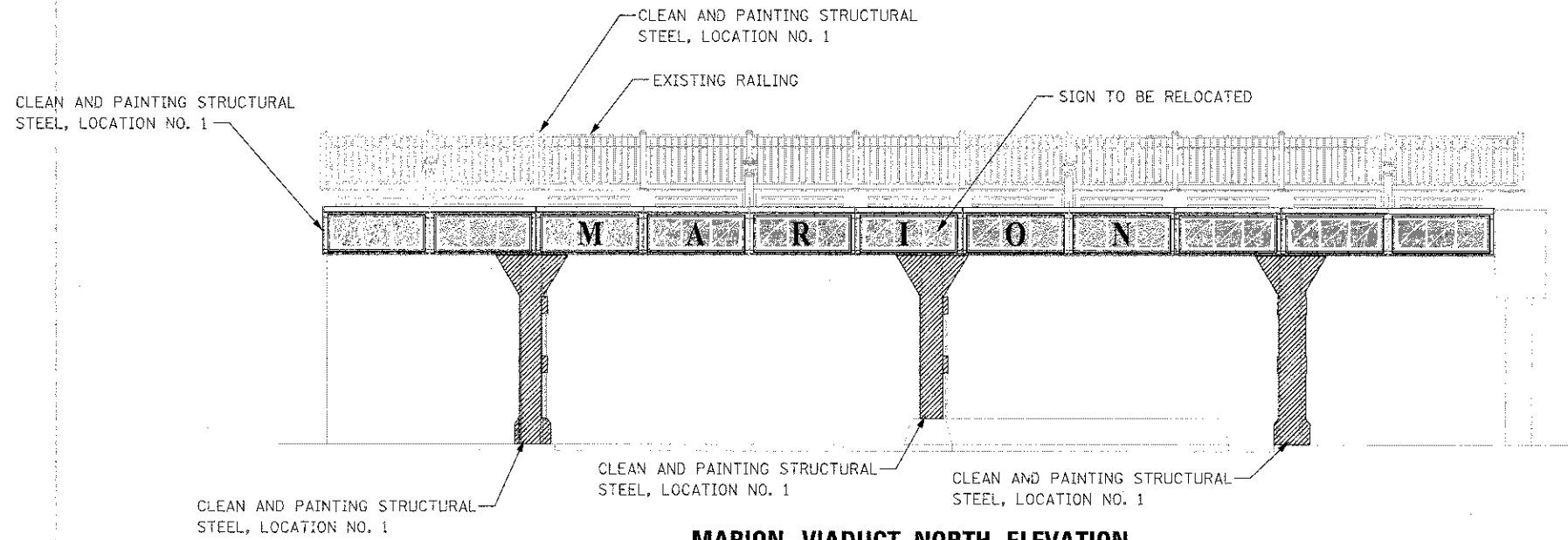
 EXISTING SURFACE TO BE PAINTED



**ENLARGED FASCIA DETAIL**

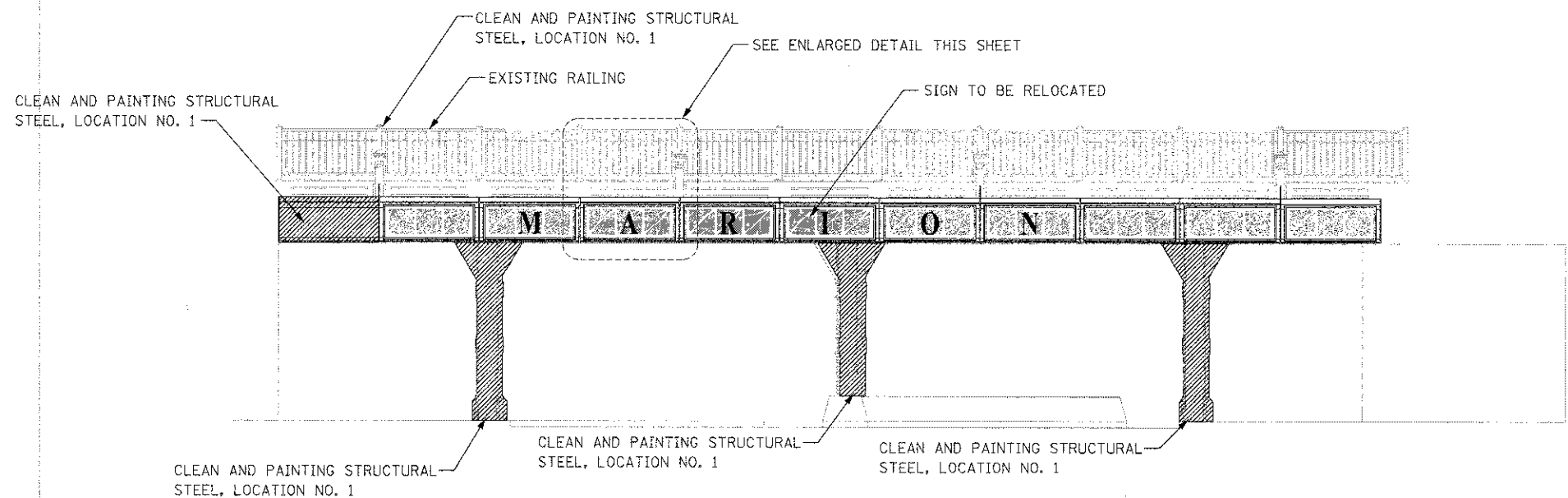
NOT TO SCALE

\*\* PAINT COLORS DEFINED IN SPECIAL PROVISIONS



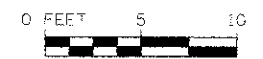
**MARION VIADUCT NORTH ELEVATION**

NOTE: ONE ILLUMINE 36 IP OPTIC 30 RGB SHALL BE PROVIDED FOR EACH PANEL OF THE SIGN TO BE RELOCATED. THE FIXTURE, CONDUIT, ELECTRIC CABLE AND ANY OTHER MATERIALS NEEDED TO INSTALL EACH ILLUMINE 36 IP OPTIC 30 RGB SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN TO BE RELOCATED.



**MARION VIADUCT SOUTH ELEVATION**

NOTE: ONE ILLUMINE 36 IP OPTIC 30 RGB SHALL BE PROVIDED FOR EACH PANEL OF THE SIGN TO BE RELOCATED. THE FIXTURE, CONDUIT, ELECTRIC CABLE AND ANY OTHER MATERIALS NEEDED TO INSTALL EACH ILLUMINE 36 IP OPTIC 30 RGB SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN TO BE RELOCATED.



FILE NAME = S:\JUL\67800-67894\67854\12\Mar-no\LCADD\_Sheets\0163722-ht-marion-elev.dgn

**SA STRAND ASSOCIATES**  
1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

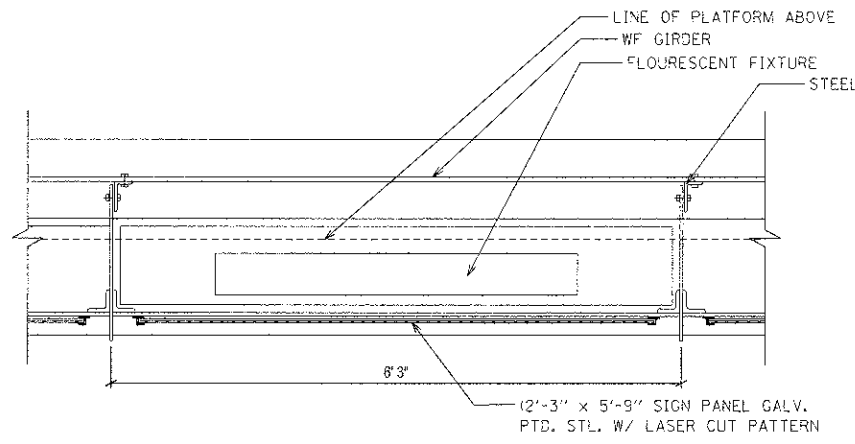
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PLOT SCALE = 5/0000 "/>		

DRAWN - JKP	REVISED -
CHECKED - MTC	REVISED -
DATE - 05-07-2012	REVISED -

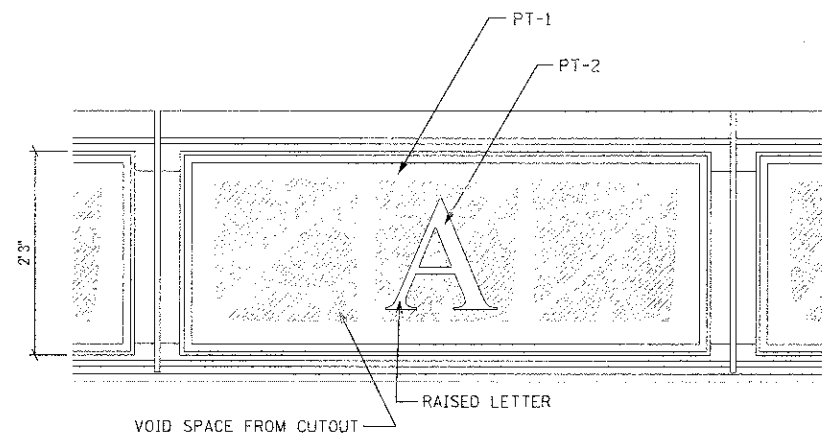
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>MARION STREET VIADUCT ELEVATIONS</b>			
SCALE: AS SHOWN	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	9
CONTRACT NO. 63722				
ILLINOIS FED. AID PROJECT				

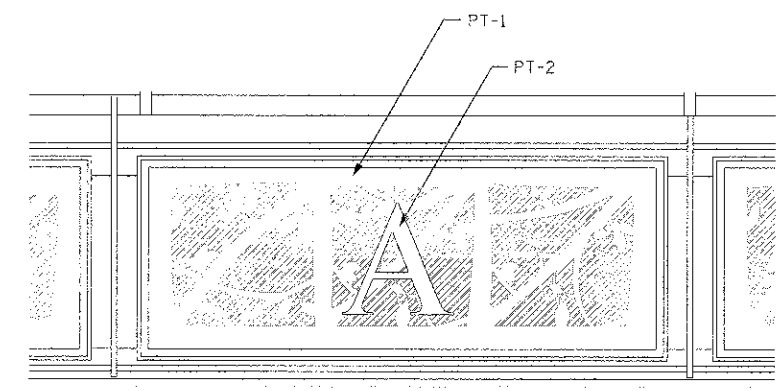


**1 PLAN DETAIL**  
SCALE: 1" = 1'-0"



**2 EXISTING ELEVATION AT NORTH GATEWAY**  
SCALE: 1" = 1'-0"

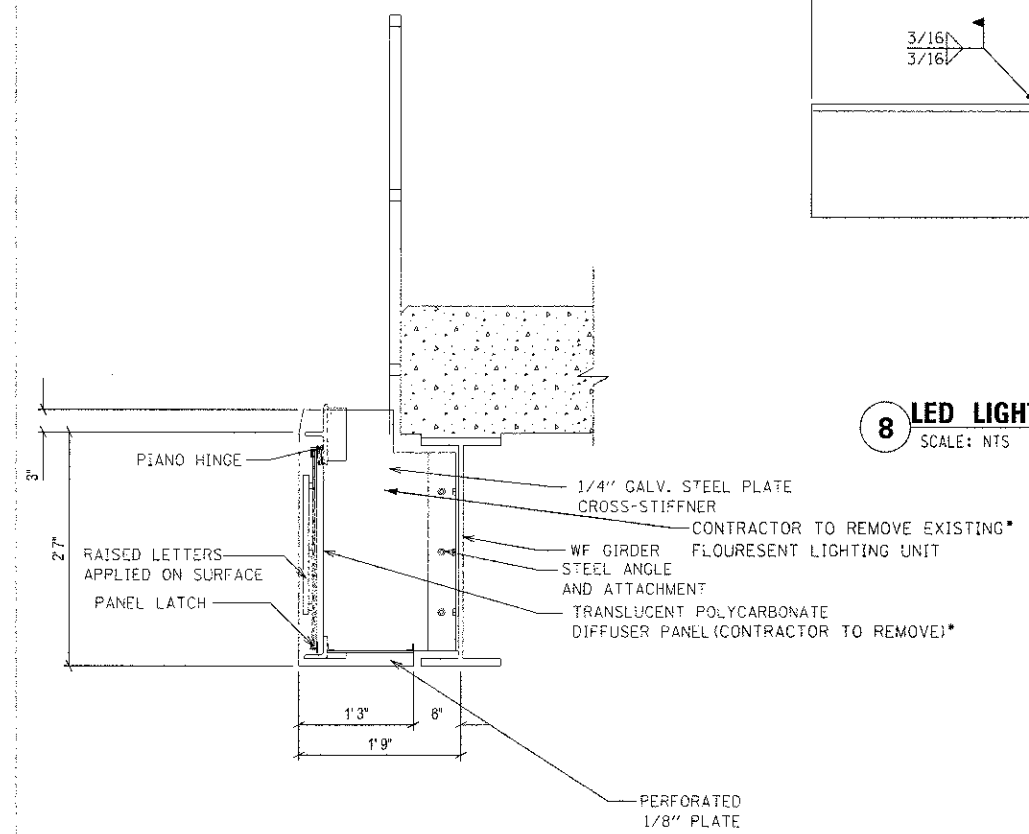
\*CONTRACTOR TO REMOVE PANELS, CLEAN AND PAINT PANELS, INSTALL NEW RAISED LETTERS, WELD BRACKETS FOR LED LIGHTING AND REINSTALL PANELS.



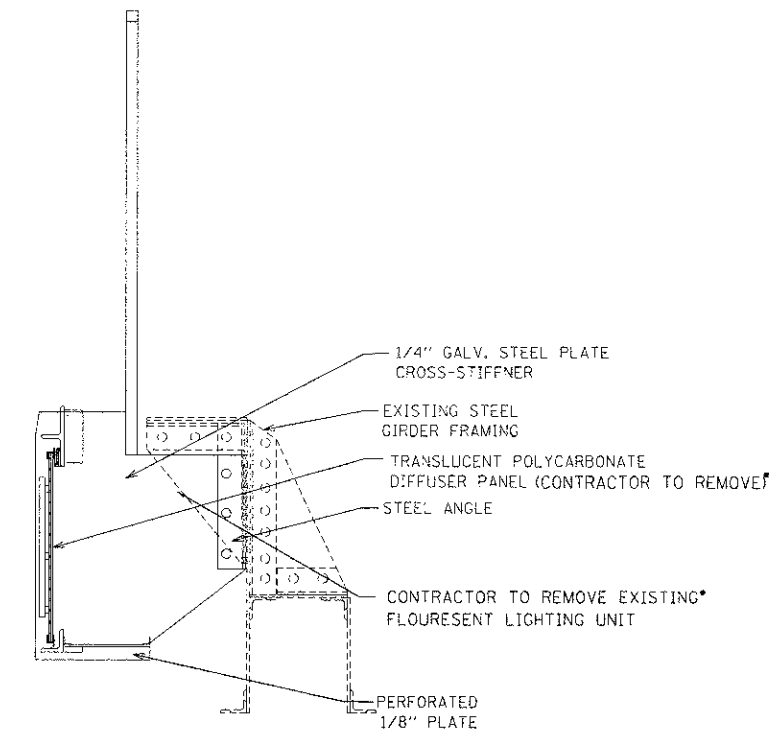
**3 EXISTING ELEVATION AT SOUTH GATEWAY**  
SCALE: 1" = 1'-0"

\*CONTRACTOR TO REMOVE PANELS, CLEAN AND PAINT PANELS, INSTALL NEW RAISED LETTERS, WELD BRACKETS FOR LED LIGHTING AND REINSTALL PANELS.

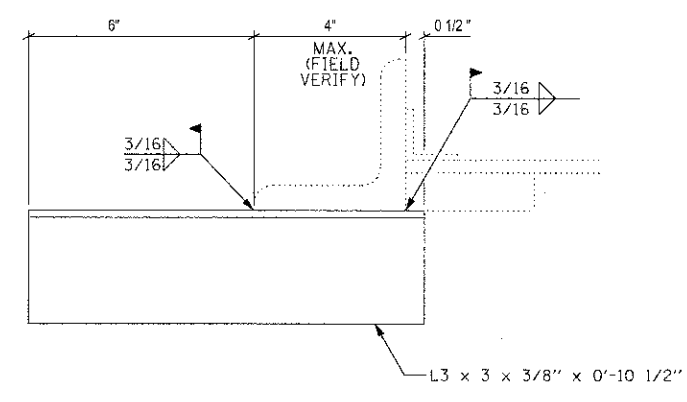
\*DENOTES ALL WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR SIGN TO BE RELOCATED, AND WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



**4 EXISTING SECTION AT NORTH GATEWAY**  
SCALE: 1" = 1'-0"



**5 EXISTING SECTION AT SOUTH GATEWAY**  
SCALE: 1" = 1'-0"



**8 LED LIGHTING SUPPORT DETAIL**  
SCALE: NTS

\*LED LIGHTING - ILLUMILINE 36 IP OPTIC 30 RGB

\*1 1/2" CONDUIT W/ ELCBL C COMM 16 1 PR

SEE DETAIL 8 ABOVE

**6 PROPOSED SECTION AT NORTH GATEWAY**  
SCALE: 1" = 1'-0"

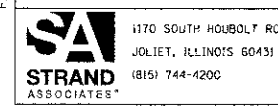
\*LED LIGHTING - ILLUMILINE 36 IP OPTIC 30 RGB

\*1 1/2" CONDUIT W/ ELCBL C COMM 16 1 PR

SEE DETAIL 8 ABOVE

**7 PROPOSED SECTION AT SOUTH GATEWAY**  
SCALE: 1" = 1'-0"

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USER NAME = dennisw	DESIGNED - JDM	REVISED - 01-07-2013
PLCT SCALE = 0.008295 1/ IN.	DRAWN - JKP	REVISED -
PLOT DATE = 1/7/2013	CHECKED - MTC	REVISED -
	DATE - 05-07-2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MARION STREET GATEWAY DETAILS			
SCALE: AS SHOWN	SHEET NO. OF SHEETS	STA. TO STA.	

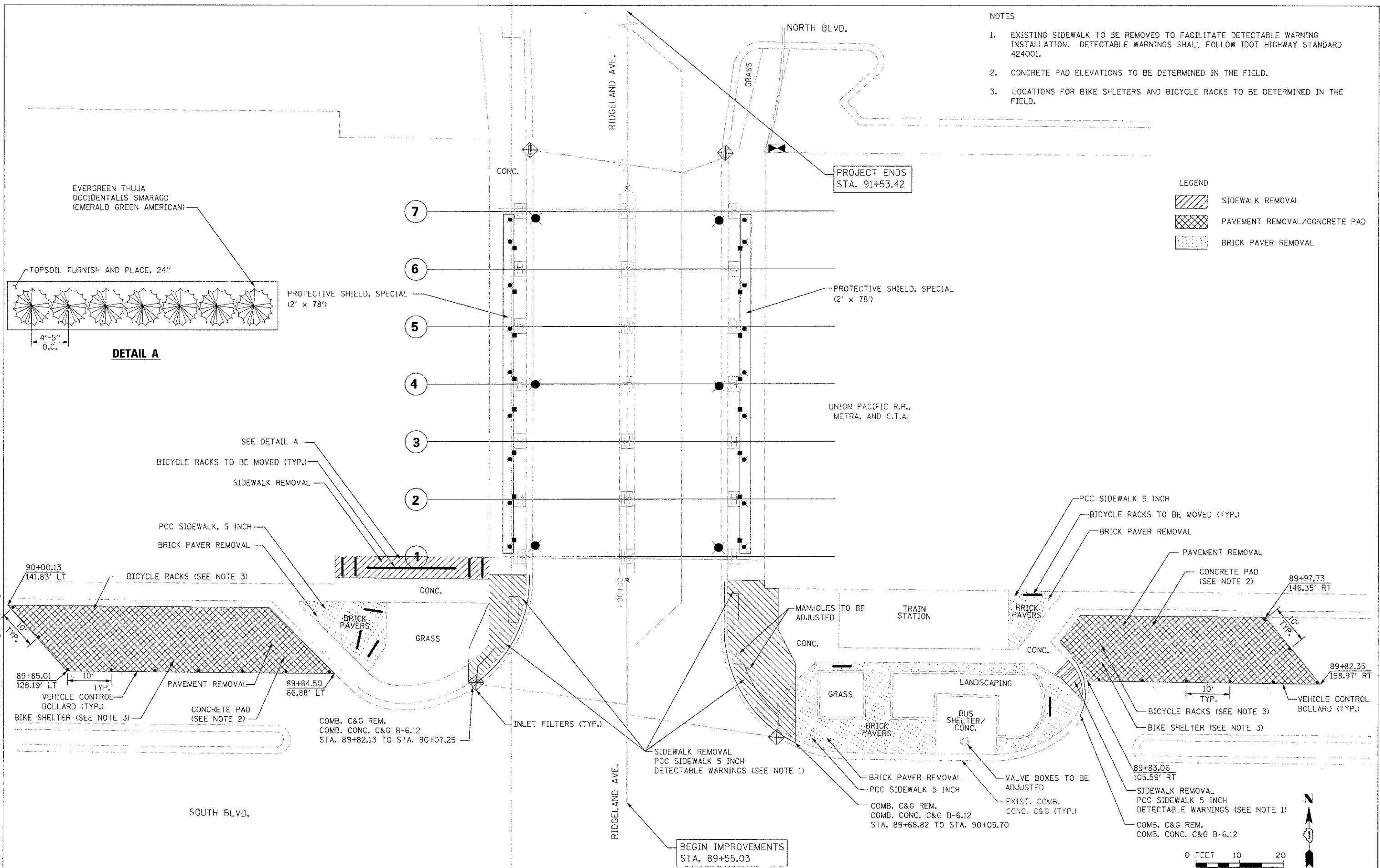
F.A.U. RTE. 2783	SECTION 11-00253-00-LS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 10
CONTRACT NO. 63722				
ILLINOIS FED. AID PROJECT				

NOTES

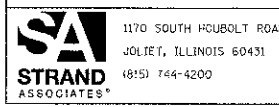
- EXISTING SIDEWALK TO BE REMOVED TO FACILITATE DETECTABLE WARNING INSTALLATION. DETECTABLE WARNINGS SHALL FOLLOW IDOT HIGHWAY STANDARD 424001.
- CONCRETE PAD ELEVATIONS TO BE DETERMINED IN THE FIELD.
- LOCATIONS FOR BIKE SHELTERS AND BICYCLE RACKS TO BE DETERMINED IN THE FIELD.

LEGEND

- SIDEWALK REMOVAL
- PAVEMENT REMOVAL/CONCRETE PAD
- BRICK PAVER REMOVAL



FILE NAME = S:\JUL 16 2012\6799-6799-0722-01\RIDGELAND AVENUE.dgn



1170 SOUTH HOBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = danner	DESIGNED - JDM	REVISED -
	PLOT SCALE = 18,0000" = 1" IN.	DRAWN - JKP	REVISED -
	PLOT DATE = 1/4/2013	CHECKED - MTC	REVISED -
		DATE - 05-07-2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIDGELAND AVENUE PLAN

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 2783	SECTION 11-00253-00-LS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 11
CONTRACT NO. 63722			ILLINOIS FED. AID PROJECT	

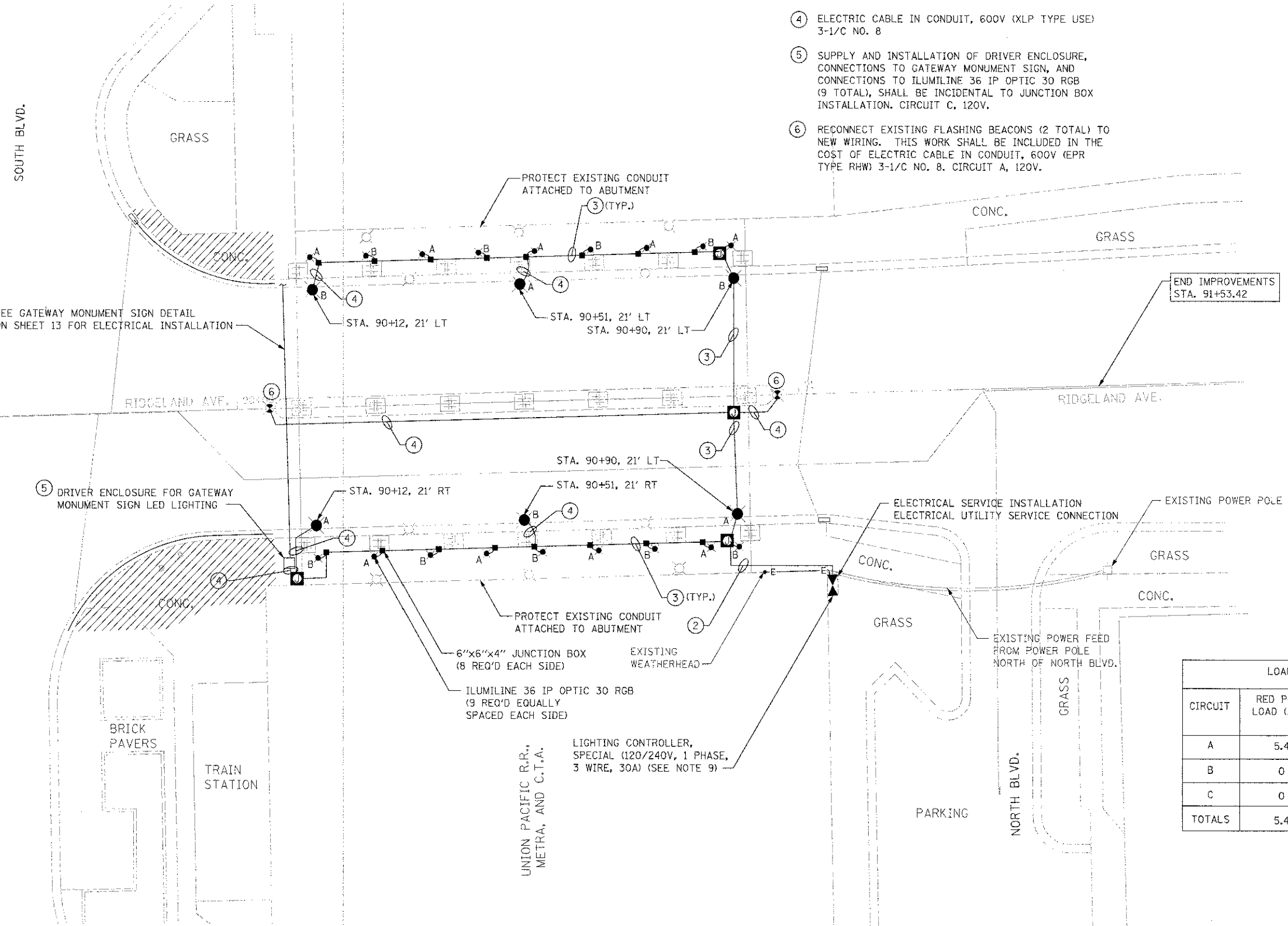
**GENERAL NOTES:**

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE TAKEN TO MEAN THE LATEST EDITION OF NEC, IES, & IDOT STANDARDS.
2. ALL NEW CONDUIT SHALL BE PVC-COATED RIGID GALVANIZED STEEL. CONDUIT MOUNTED TO CONCRETE SURFACES SHALL UTILIZE STAINLESS STEEL HARDWARE.
3. UNDERPASS ROADWAY LUMINAIRES SHALL BE WALL-MOUNTED 10 FEET ABOVE PAVEMENT SURFACE. UNDERPASS SIDEWALK LUMINAIRES SHALL BE WALL-MOUNTED 9.5 FEET ABOVE PAVEMENT SURFACE.
4. JUNCTION BOXES SHALL BE MOUNTED TO CONCRETE WALL WITH STAINLESS STEEL UNISTRUT AND HARDWARE FOR MOUNTING. BOXES SHALL NOT BE MOUNTED DIRECTLY TO CONCRETE SURFACE.
5. ALL UNDERPASS ROADWAY LUMINAIRES SHALL BE 40 LAMPS, 66 WATTS, LED, 525MA DRIVER, DISTRIBUTION TYPE IV, MEDIUM CUTOFF, AT 120 V.
6. SPLICING OF CONDUCTORS SHALL ONLY BE ALLOWED IN THE LUMINAIRES OR IN JUNCTION BOXES.
7. REMOVAL OF EXISTING LUMINAIRE INCLUDES REMOVAL OF ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, CONTROLLER, HARDWARE, AND APPURTENANT MATERIALS AS NOTED IN SECTION 842.03 OF THE STANDARD SPECIFICATIONS.
8. THE CONTRACTOR SHALL PROTECT THE EXISTING RAILING. ANY DAMAGE TO THE RAILING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT NO COST TO THE CONTRACT.

9. THE LIGHTING CONTROLLER SHALL BE MOUNTED TO THE EXISTING ABUTMENT. REFER TO SHEET 16 FOR LIGHTING CONTROLLER DETAILS.

**KEY NOTES:**

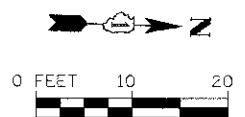
- 1 INTERCEPT EXISTING LIGHTING AND FLASHING BEACON CIRCUITS AT EXISTING CONDUIT BELOW PROPOSED JUNCTION BOX
- 2 ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE), 6-1/C NO. 8, 1/C NO. 8 GROUND
- 3 ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE), 4-1/C NO. 8, 1/C NO. 8 GROUND
- 4 ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 3-1/C NO. 8
- 5 SUPPLY AND INSTALLATION OF DRIVER ENCLOSURE, CONNECTIONS TO GATEWAY MONUMENT SIGN, AND CONNECTIONS TO ILLUMILINE 36 IP OPTIC 30 RGB (9 TOTAL), SHALL BE INCIDENTAL TO JUNCTION BOX INSTALLATION. CIRCUIT C, 120V.
- 6 RECONNECT EXISTING FLASHING BEACONS (2 TOTAL) TO NEW WIRING. THIS WORK SHALL BE INCLUDED IN THE COST OF ELECTRIC CABLE IN CONDUIT, 600V (EPR TYPE RHW) 3-1/C NO. 8. CIRCUIT A, 120V.



**LEGEND:**

- X LIGHTING UNIT COMPLETE (X=CIRCUIT DESIGNATION)
- X ILLUMILINE 36 IP OPTIC 30 RGB (X=CIRCUIT DESIGNATION)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"
- JUNCTION BOX, 6"x6"x4"
- E CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., PVC COATED GALVANIZED STEEL
- X REMOVAL OF EXISTING LUMINAIRE, NO SALVAGE
- EXISTING HANDHOLE
- X EXISTING FLASHING BEACON
- (X) KEY NOTE
- A EXISTING AERIAL
- DRIVER

LOAD TABLE		
CIRCUIT	RED PHASE LOAD (AMPS)	BLACK PHASE LOAD (AMPS)
A	5.4	0
B	0	4.4
C	0	2.7
TOTALS	5.4	7.1



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USER NAME: denissw	DESIGNED: JDM	REVISED: -
PLT SCALE: 1/4" = 1'-0"	DRAWN: JKP	REVISED: -
PLT DATE: 1/4/2013	CHECKED: MTC	REVISED: -
	DATE: 05-07-2012	REVISED: -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIDGELAND AVENUE ELECTRIC PLAN**


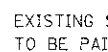
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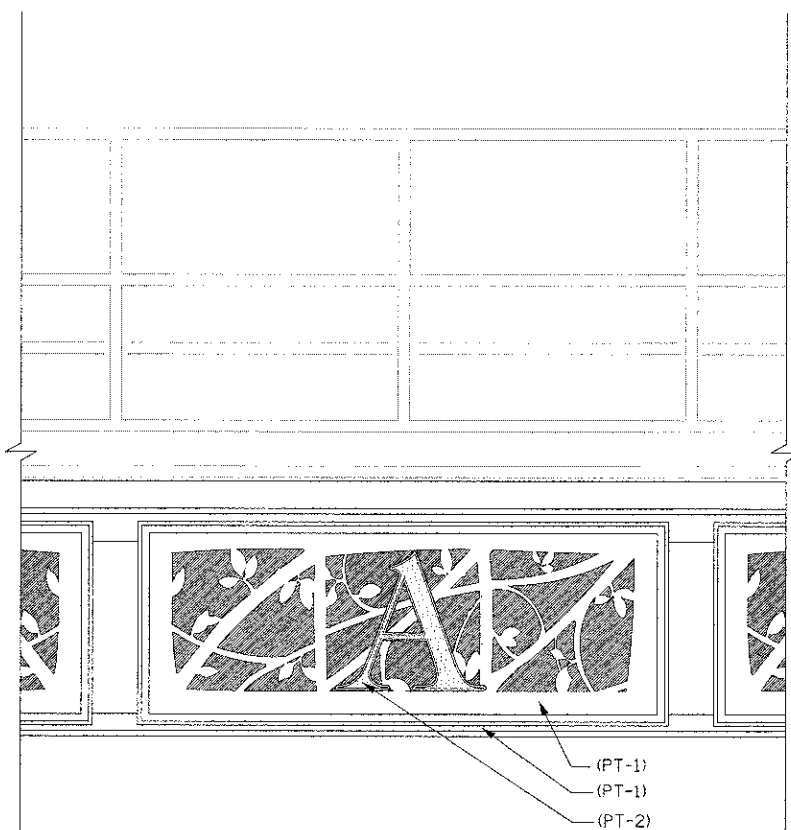
F.A.U. RTE. 2783	SECTION 11-00253-00-LS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 12
CONTRACT NO. 63722				ILLINOIS FED. AID PROJECT

NOTES:

- 1. ALL DIMENSIONS INCLUDING BUT NOT LIMITED TO EXISTING FACIA STRUCTURE, BRACKET SPACING, AND RAILING SPACING TO BE FIELD VERIFIED BY CONTRACTOR.
- 2. EACH GATEWAY MONUMENT SIGN PANEL TO BE CENTERED BETWEEN THE BRACKETS OF THE EXISTING FASCIA STRUCTURE.
- 3. SEE ELECTRICAL PLAN FOR LIGHTING AND ELECTRICAL MODIFICATIONS.
- 4. CLEANING AND PAINTING STRUCTURAL STEEL, AT THE LOCATION ENUMERATED SHALL INCLUDE BUT IS NOT LIMITED TO COLUMNS, PIER BENTS, BASE PLATES, BRACKETS, FASCIA BEAM, AND CONNECTIONS. THE BEAMS COMPRISING THE MAIN SUPERSTRUCTURE SHALL NOT BE PAINTED.

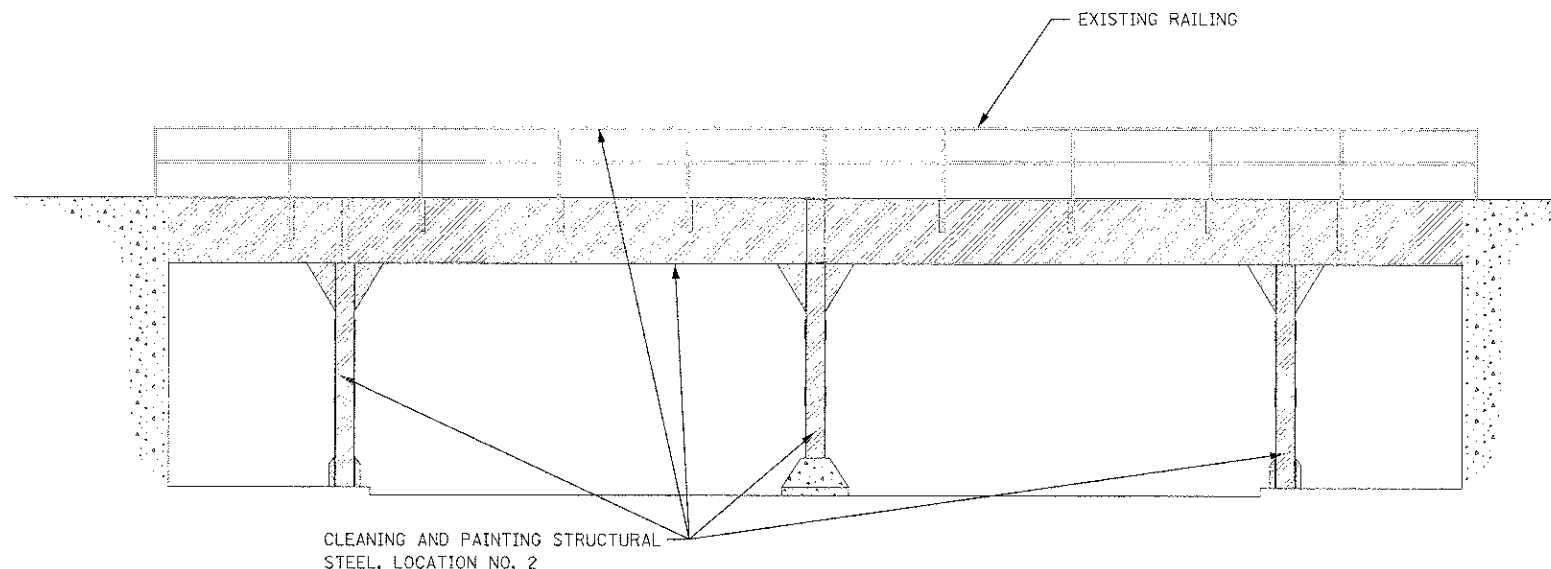
LEGEND:

 EXISTING SURFACE  
 TO BE PAINTED

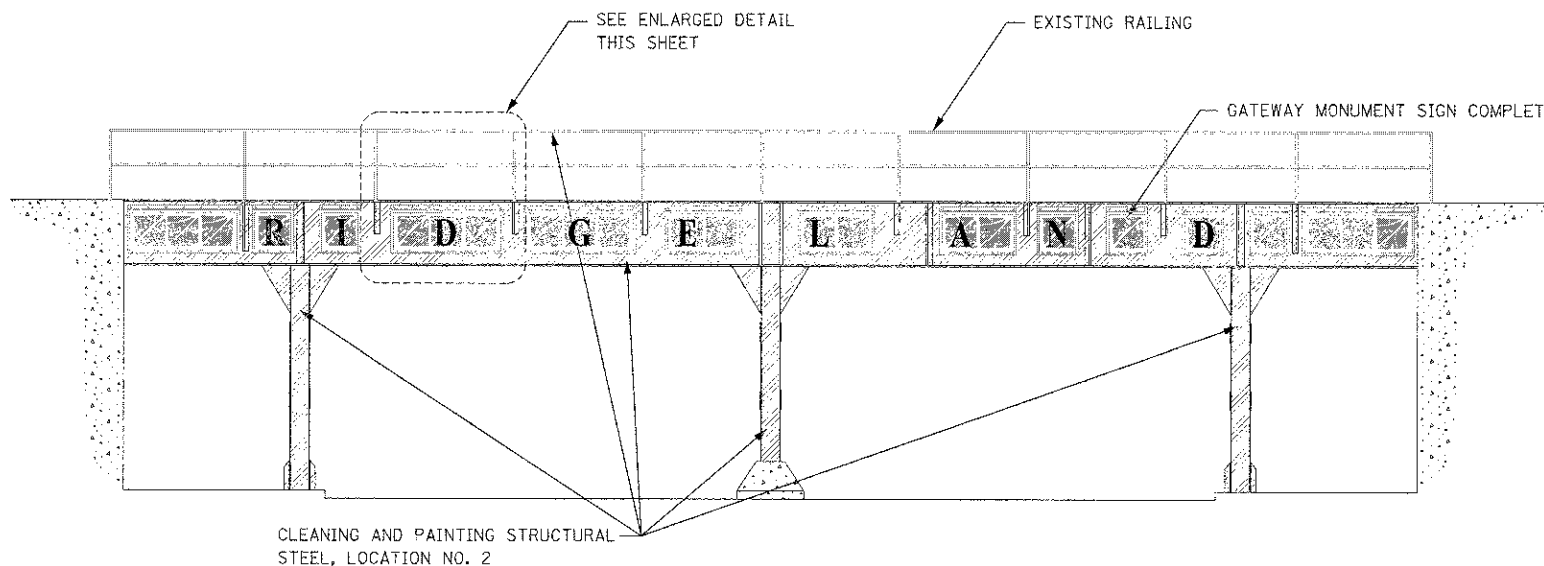


**ENLARGED FASCIA DETAIL**

NOT TO SCALE



**RIDGELAND VIADUCT NORTH ELEVATION**

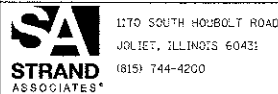


**RIDGELAND VIADUCT SOUTH ELEVATION**

NOTE: ONE ILLUMILINE 36 IP OPTIC 30 RGB SHALL BE PROVIDED FOR EACH PANEL OF THE GATEWAY MONUMENT SIGN COMPLETE. THE FIXTURE, CONDUIT, ELECTRIC CABLE AND ANY OTHER MATERIALS NEEDED TO INSTALL EACH ILLUMILINE 36 IP OPTIC 30 RGB SHALL BE INCLUDED IN THE UNIT PRICE OF GATEWAY MONUMENT SIGN COMPLETE.



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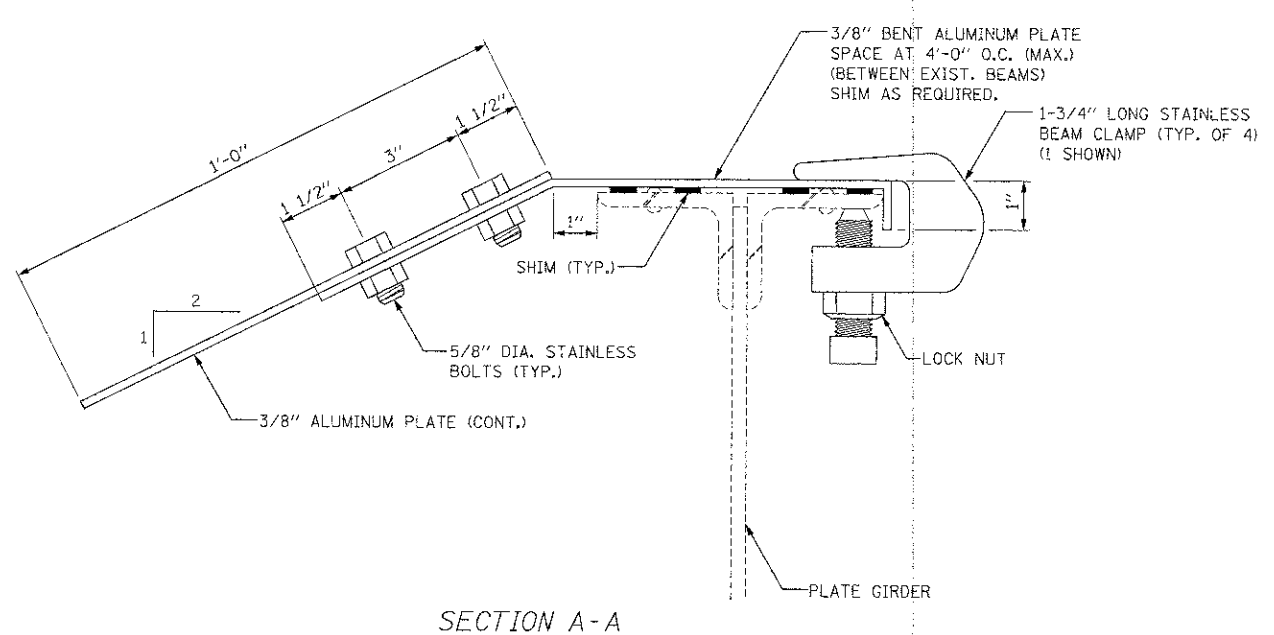
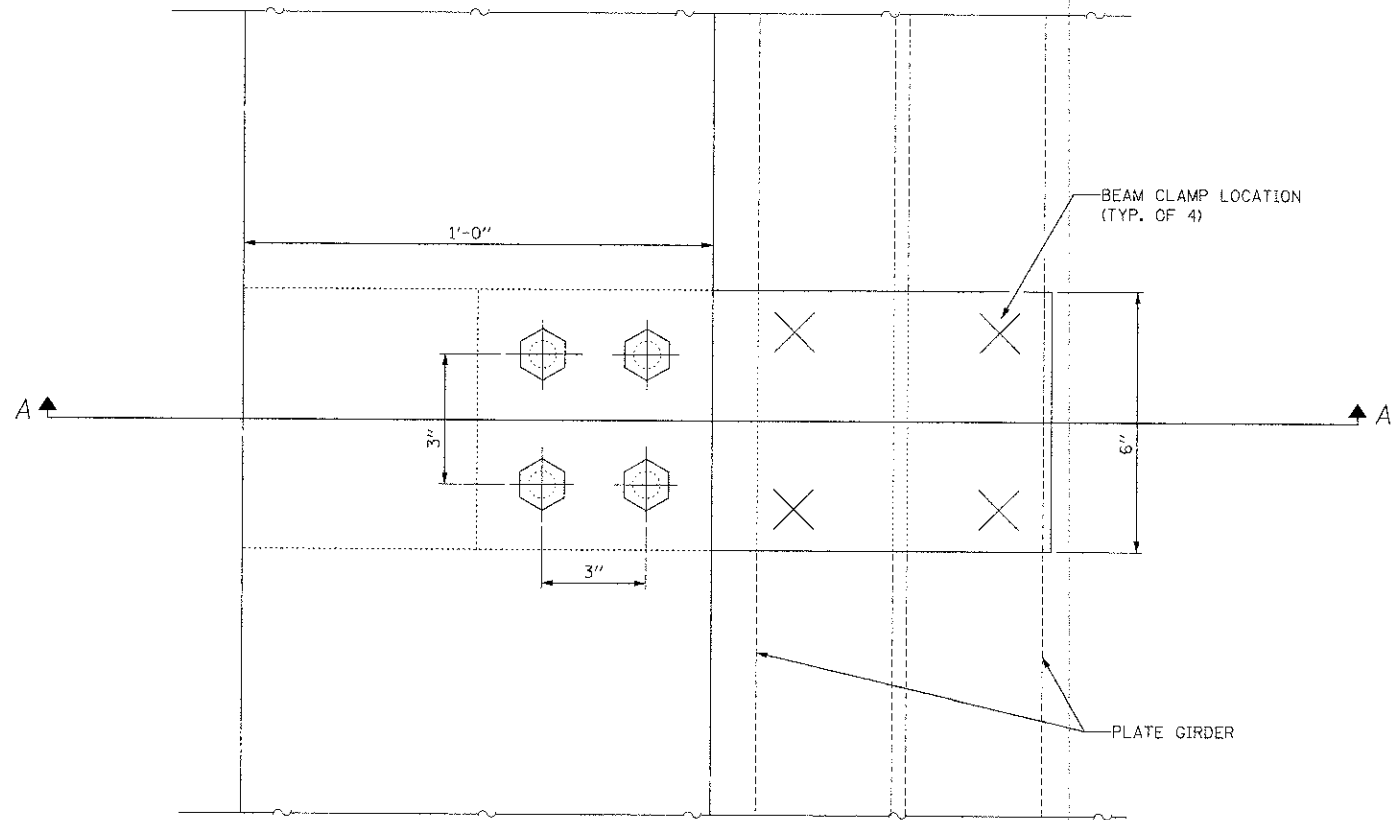
1170 SOUTH HOLEBOLT ROAD JULIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisk PLOT SCALE = 5/8" = 1' IN. PLOT DATE = 1/7/2013	DESIGNED - JDM DRAWN - JKP CHECKED - MTC DATE - 05-07-2012	REVISED - 01-07-2013 REVISED - REVISED - REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIDGELAND AVENUE VIADUCT ELEVATIONS

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

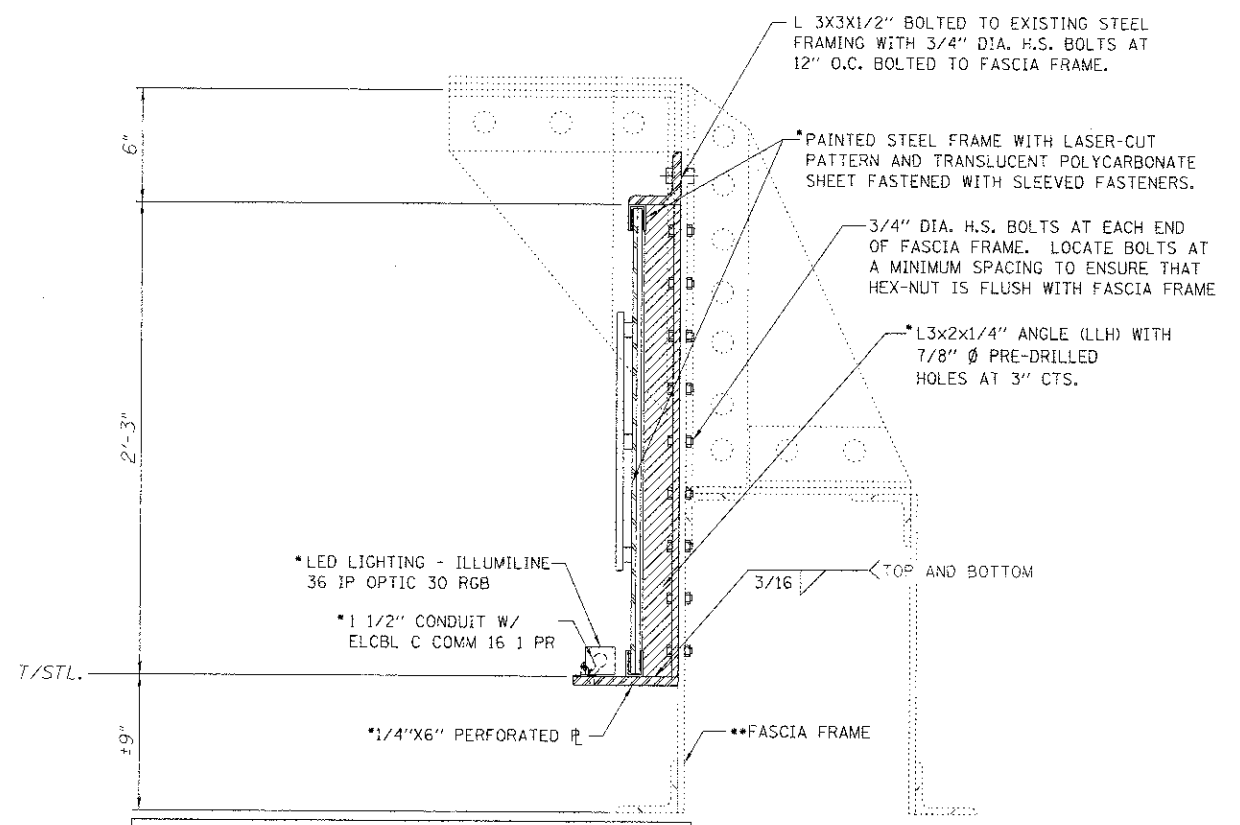
F.A.U. RTE. 2783	SECTION 11-00253-00-LS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 13
CONTRACT NO. 63722				ILLINOIS FED. AID PROJECT



**SECTION A-A**

**PROTECTIVE SHIELD, SPECIAL DETAIL**

APPLIES TO RIDGELAND AVENUE ONLY



\* DENOTES ALL WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR GATEWAY MONUMENT SIGN COMPLETE AND WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

\*\* EXISTING FASCIA FRAME WAS OBSERVED TO BE DAMAGED. CONTRACTOR MAY LOCATE BOLTS ALONG LENGTH OF THE ANGLE TO ENSURE THAT HEX-NUTS ARE FLUSH WITH THE FASCIA FRAME. MINIMUM SPACING OF BOLTS IS 3".

**GATEWAY MONUMENT SIGN COMPLETE DETAIL**

APPLIES TO RIDGELAND AVENUE ONLY

FILE NAME = S:\JDL\67200-6799\6784\B2\Access\CAD\ Sheets\0163722-shield.dwg

**SA STRAND ASSOCIATES**

1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 62431  
(815) 744-4200

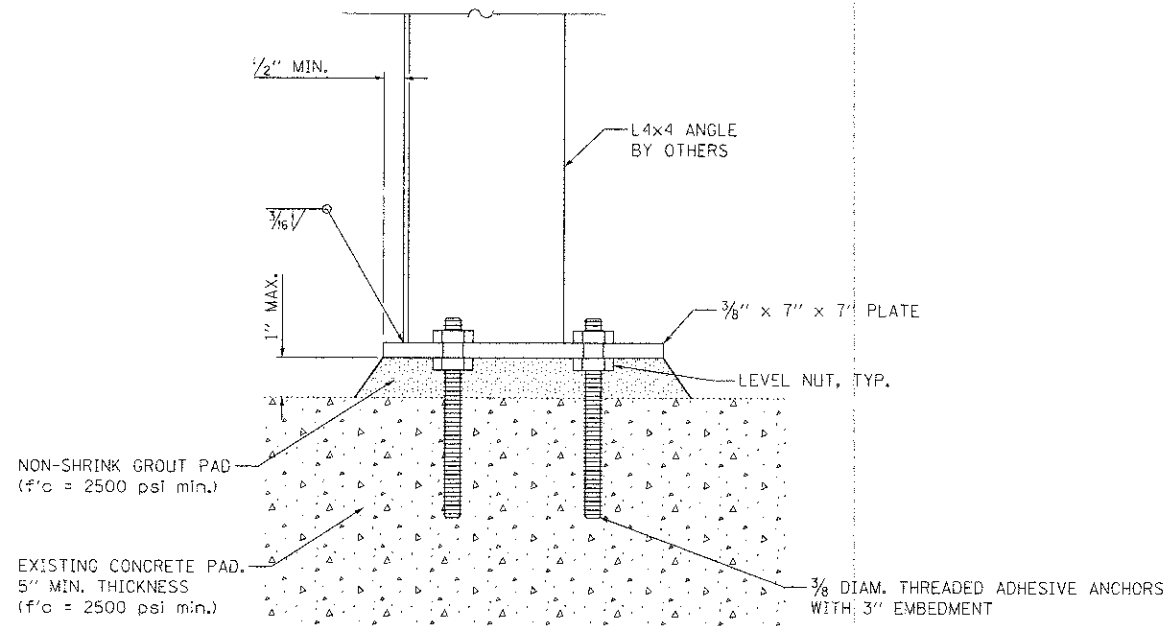
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PLT DATE = 1/7/2013	CHECKED - MTC	REVISED -
	DATE - 05-07-2012	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**RIDGELAND AVENUE GATEWAY DETAILS**

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

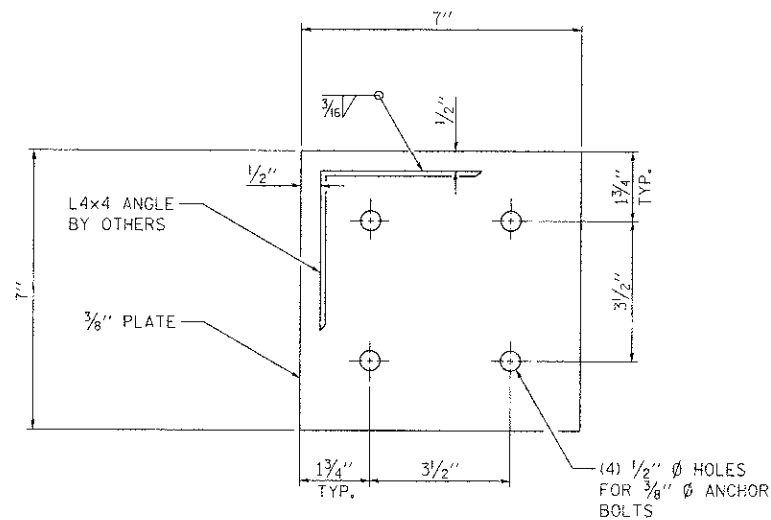
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CONTRACT NO. 63722				
ILLINOIS FED. AID PROJECT				



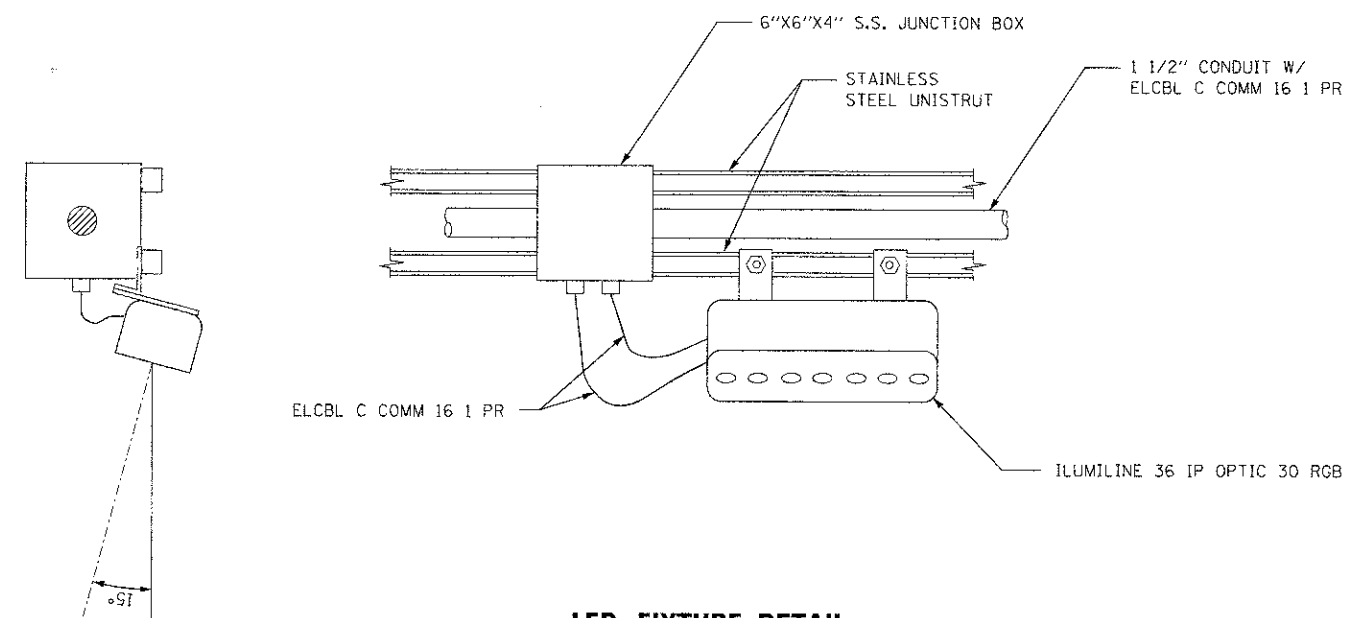
**BASE PLATE DETAIL**

DESIGN LOADING:

P = ±764 LBS (MAX FACTORED VERTICAL NET LOADING DUE TO WIND)  
 V<sub>y</sub> = ±870 LBS (MAX FACTORED HORIZONTAL NET LOADING PERPENDICULAR TO LONG. DIRECTION OF THE SIDEWALK DUE TO WIND)  
 V<sub>x</sub> = ±250 LBS (MAX FACTORED HORIZONTAL NET LOADING PARALLEL TO LONG. DIRECTION OF THE SIDEWALK DUE TO WIND)



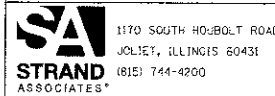
**BASE PLATE DETAIL**



**LED FIXTURE DETAIL**

APPLIES ONLY TO RIDGELAND AVENUE VIADUCT

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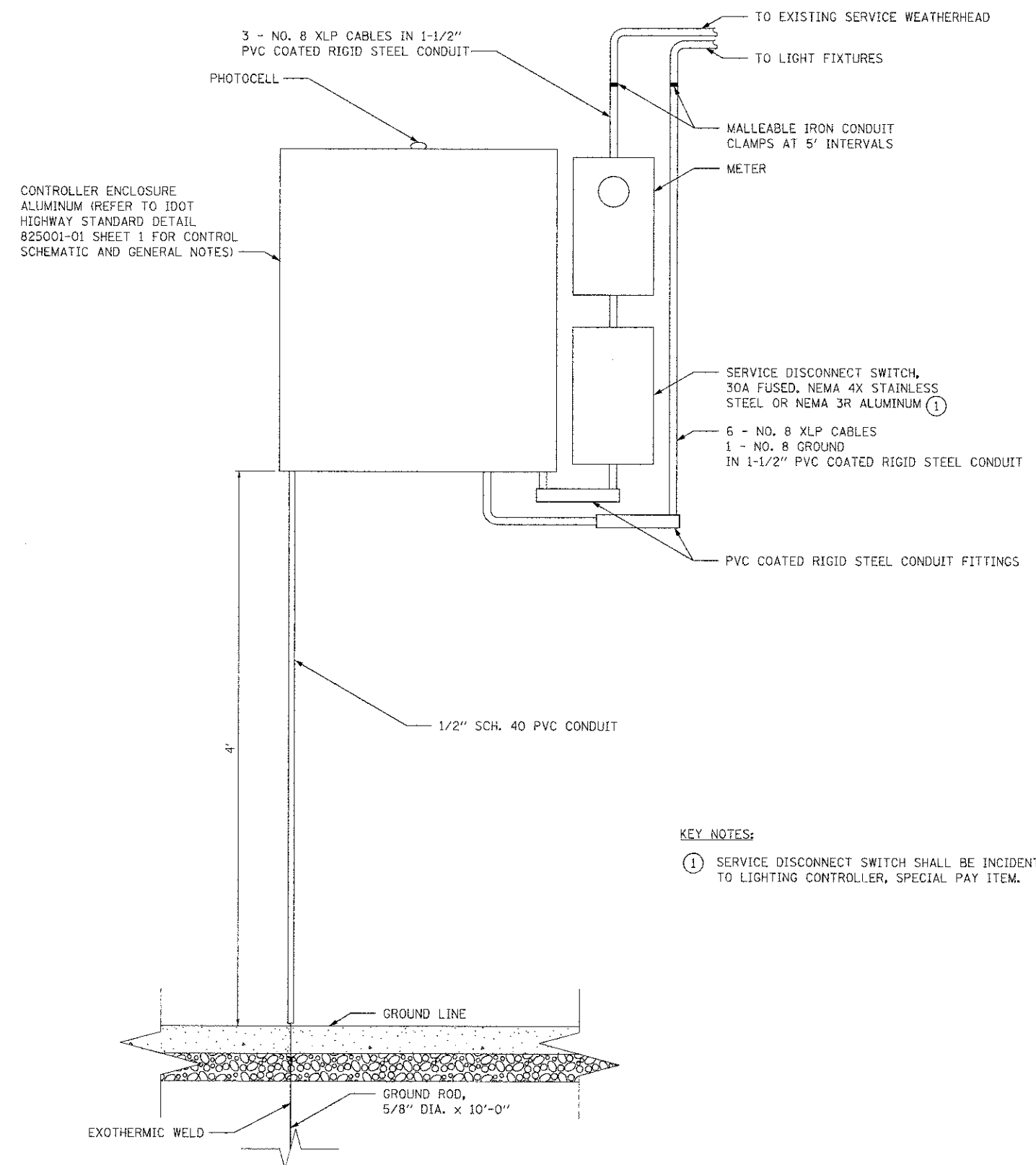
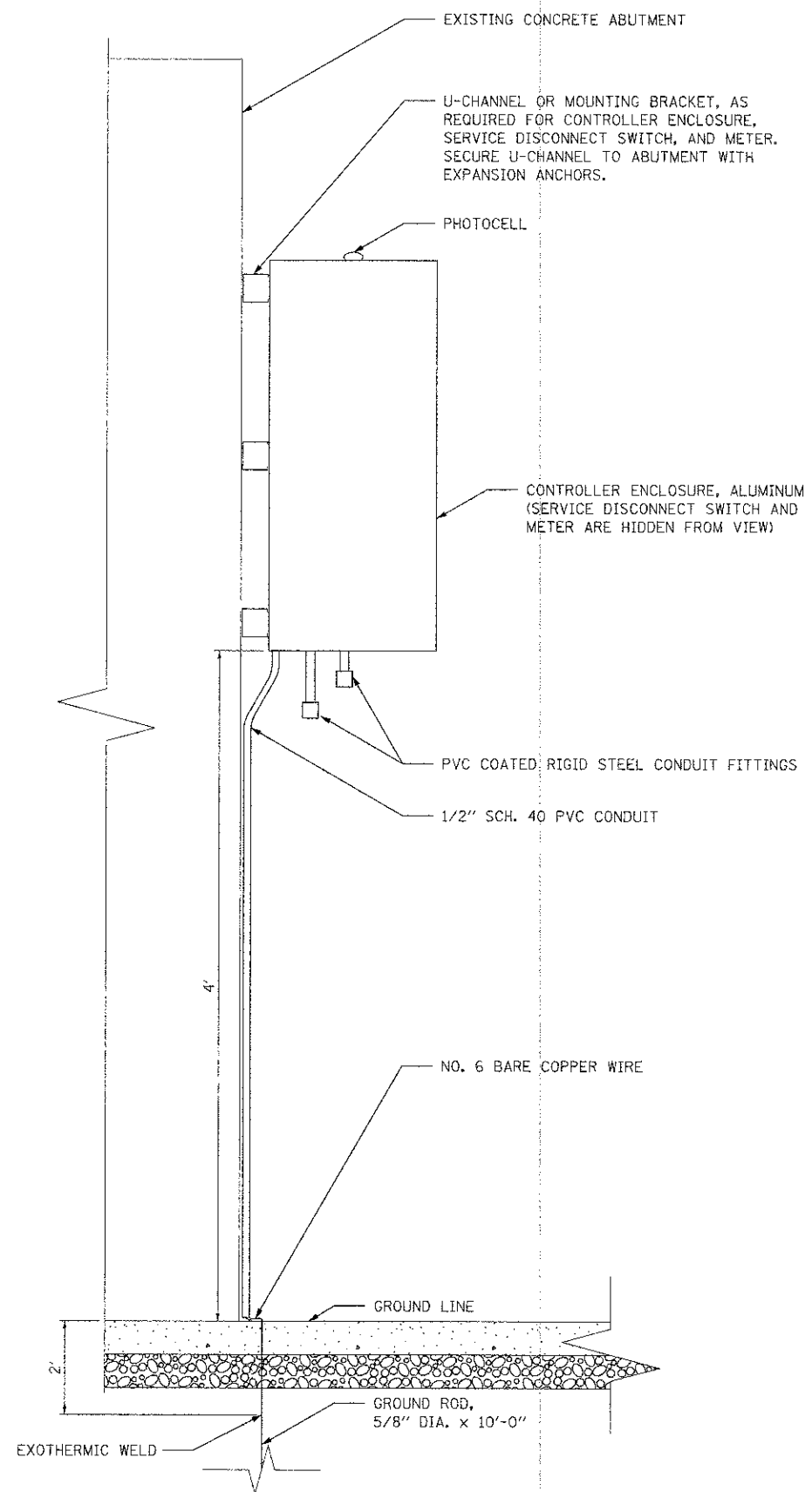
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	DATE - 05-07-2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-L5	COOK	25	15
CONTRACT NO. 63722				
ILLINOIS FED. AID PROJECT				





**KEY NOTES:**  
 (1) SERVICE DISCONNECT SWITCH SHALL BE INCIDENTAL TO LIGHTING CONTROLLER, SPECIAL PAY ITEM.

**SIDE VIEW**

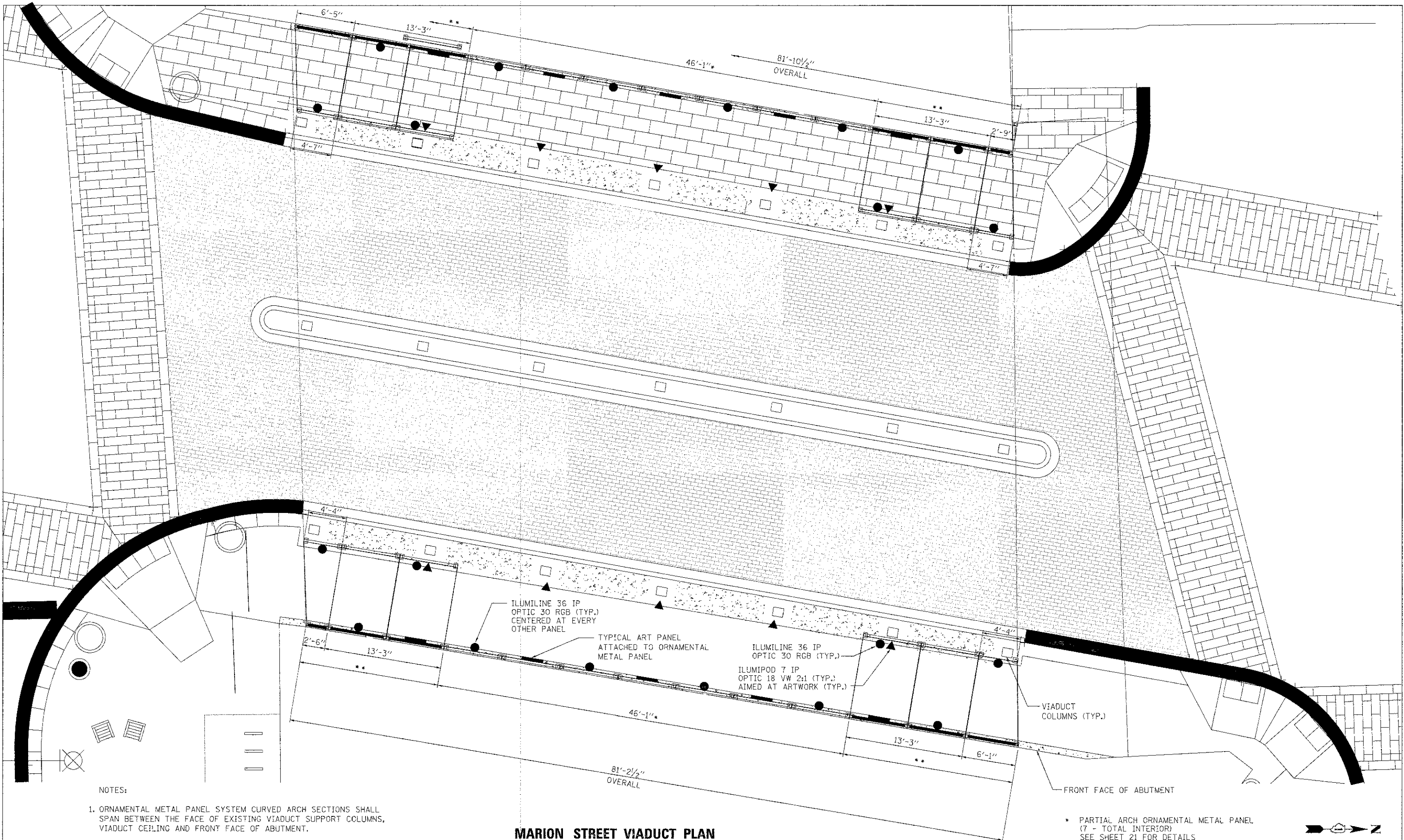
**FRONT VIEW**

**ELECTRIC SERVICE INSTALLATION /LIGHTING CONTROLLER, SPECIAL DETAIL  
 APPLIES ONLY TO RIDGELAND AVENUE VIADUCT**

FILE NAME = S:\JUL16788-6799\6799\112\Area\COID Sheets\0163722-ht-clinet-dt.dgn

1170 SOUTH HOUDOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - JDM	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 30.0000' / IN.	CHECKED - MTC	REVISED -			2783	11-00253-00-LS	COOK	25	16
PLOT DATE = 1/4/2013	DATE - 05-07-2012	REVISED -	CONTRACT NO. 63722							



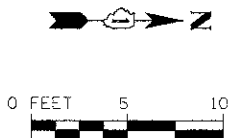


**NOTES:**

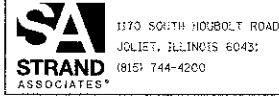
1. ORNAMENTAL METAL PANEL SYSTEM CURVED ARCH SECTIONS SHALL SPAN BETWEEN THE FACE OF EXISTING VIADUCT SUPPORT COLUMNS, VIADUCT CEILING AND FRONT FACE OF ABUTMENT.
2. ALL DIMENSIONS & LOCATIONS TO BE FIELD VERIFIED BY ENGINEER AND FABRICATOR.

**MARION STREET VIADUCT PLAN  
ORNAMENTAL METAL PANELS AND SCREEN PANELS**

- \* PARTIAL ARCH ORNAMENTAL METAL PANEL (7 - TOTAL INTERIOR) SEE SHEET 21 FOR DETAILS
- \*\* CURVED ARCH ORNAMENTAL METAL PANEL (3 - TOTAL EACH END) SHEET 20 FOR DETAILS



P.L.E. NAME = S:\JUL16788-6799\6794\012\Access\CADD Sheets\0163722-rlt-06.dwg

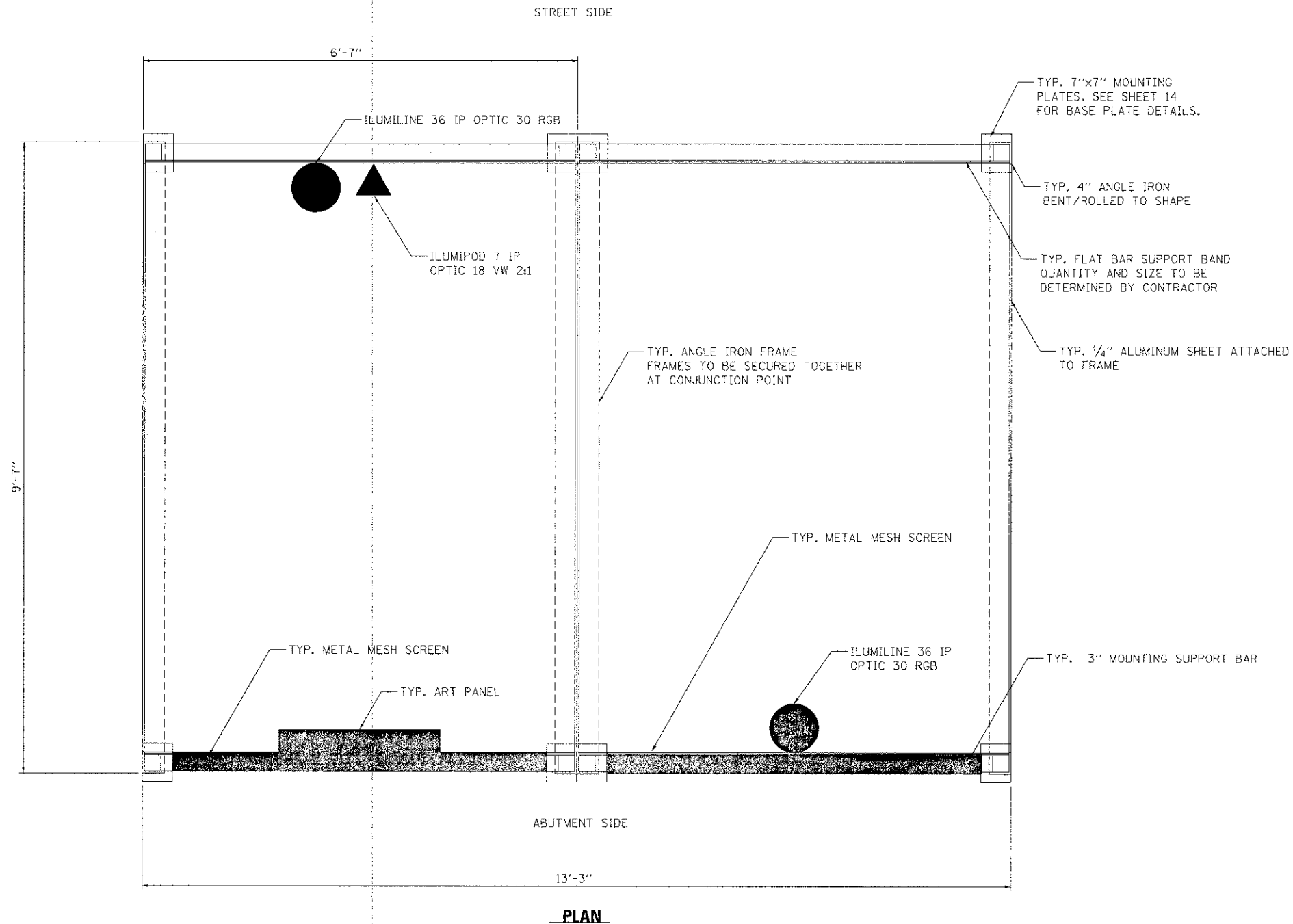


USER NAME = dennisw	DESIGNED - JDM	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN - JKP	REVISED -
PLOT DATE = 1/4/2013	CHECKED - MTC	REVISED -
	DATE - 05-07-2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ORNAMENTAL METAL PANELS AND LED LIGHTING PLAN</b>			
SCALE:	SHEET	OF	SHEETS
			STA. TO STA.

F.A.U. RTE. 2783	SECTION 11-00253-00-LS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 17
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63722

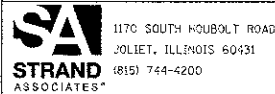


**NOTES:**

1. ALL DIMENSIONS & LOCATIONS TO BE FIELD VERIFIED BY CONTRACTOR.
2. ALL DIMENSIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING MATERIALS.
3. METAL MESH SCREEN PANEL AND PIGEON NETTING PAID FOR AS ORNAMENTAL METAL PANEL.



FILE NAME = S:\JULI\_V6780--6799\6794\012\Micros\CADD Sheets\0185722-shc-Detail02.dgn



USER NAME = dennisw	DESIGNED - JDM	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - JKP	REVISED -
PLOT DATE = 1/4/2013	CHECKED - MTC	REVISED -
	DATE - 05-07-2012	REVISED -

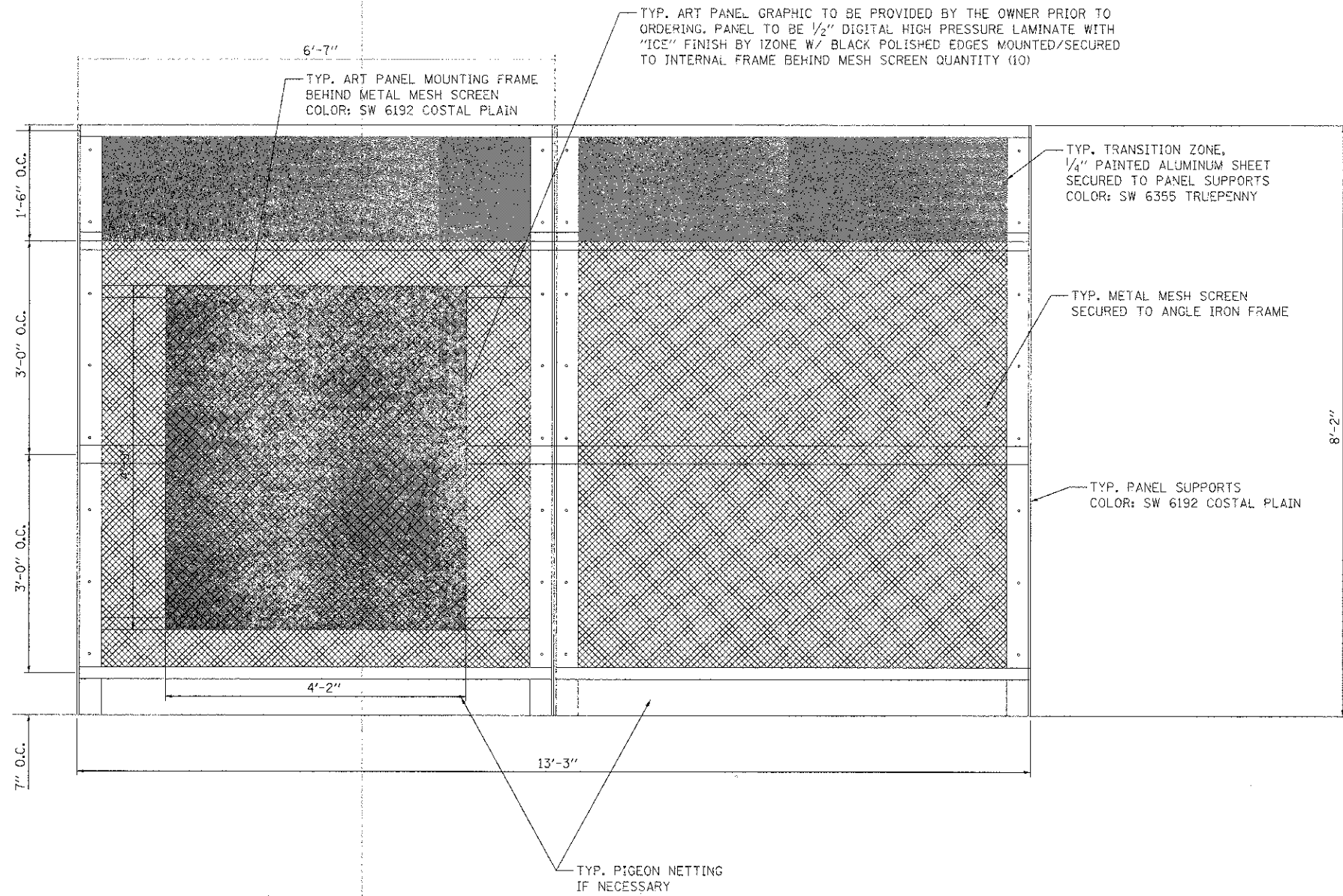
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ORNAMENTAL METAL PANELS DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

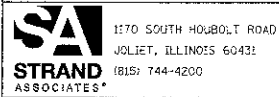
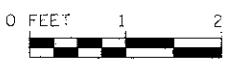
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	18
				CONTRACT NO. 63722
ILLINOIS FED. AID PROJECT				

FILE NAME : S:\JOL\67700-67799\676\B12\Miscos\CAD\Sheets\0163722-int-Detail00.dgn



**ELEVATION**

- NOTES:
1. ALL DIMENSIONS & LOCATIONS TO BE FIELD VERIFIED BY CONTRACTOR.
  2. ALL DIMENSIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING MATERIALS.
  3. METAL MESH SCREEN PANEL PAID FOR AS ORNAMENTAL METAL PANEL.



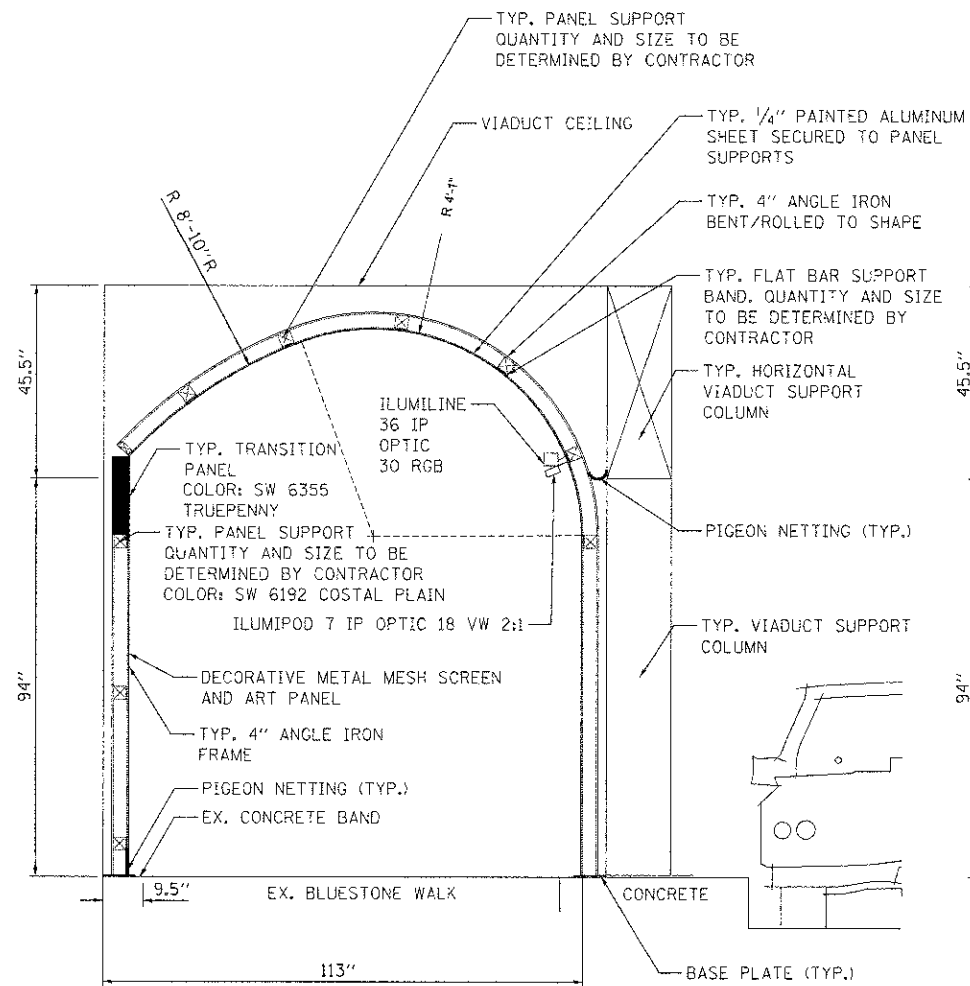
USER NAME = dennisw	DESIGNED - JDM	REVISED
PLLOT SCALE = 1:80000 1/4" = 100'	DRAWN - JKP	REVISED
PLLOT DATE = 1/4/2013	CHECKED - MTC	REVISED
	DATE - 05-07-2012	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

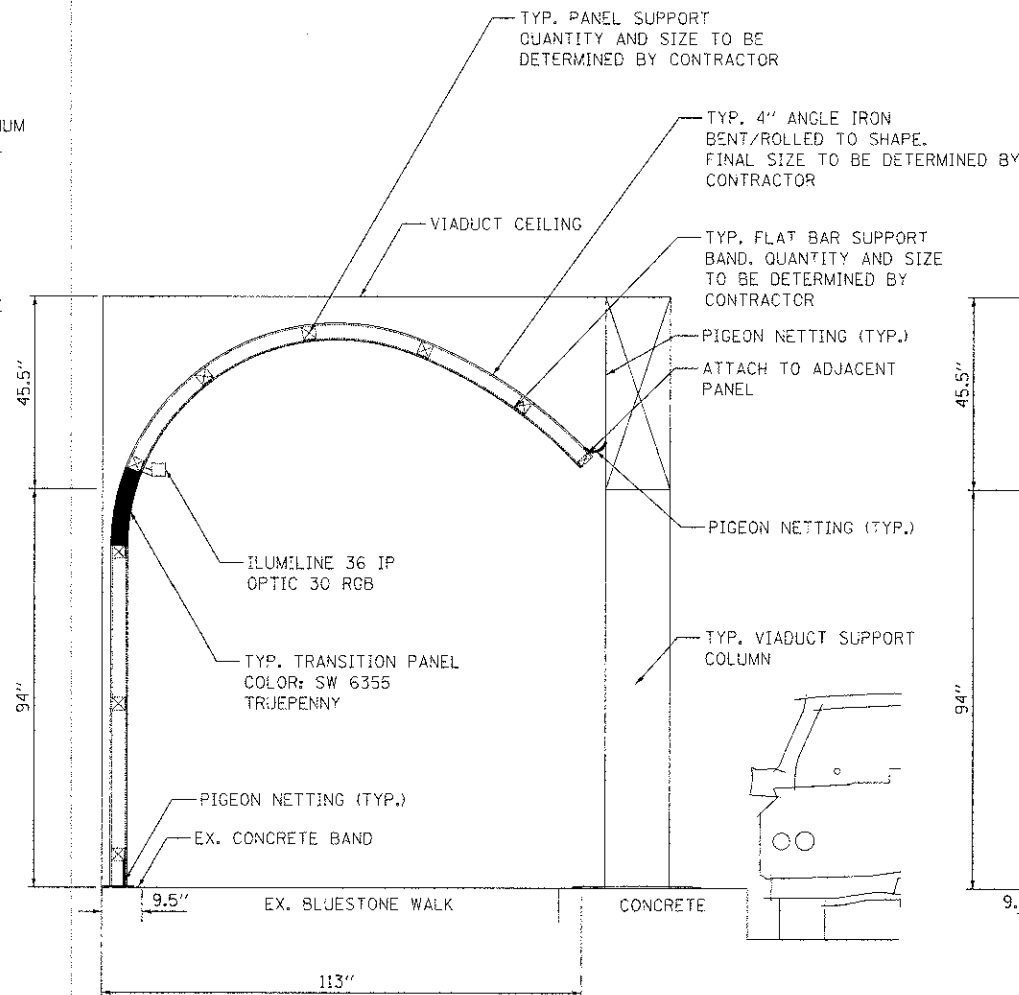
**ORNAMENTAL METAL PANELS DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

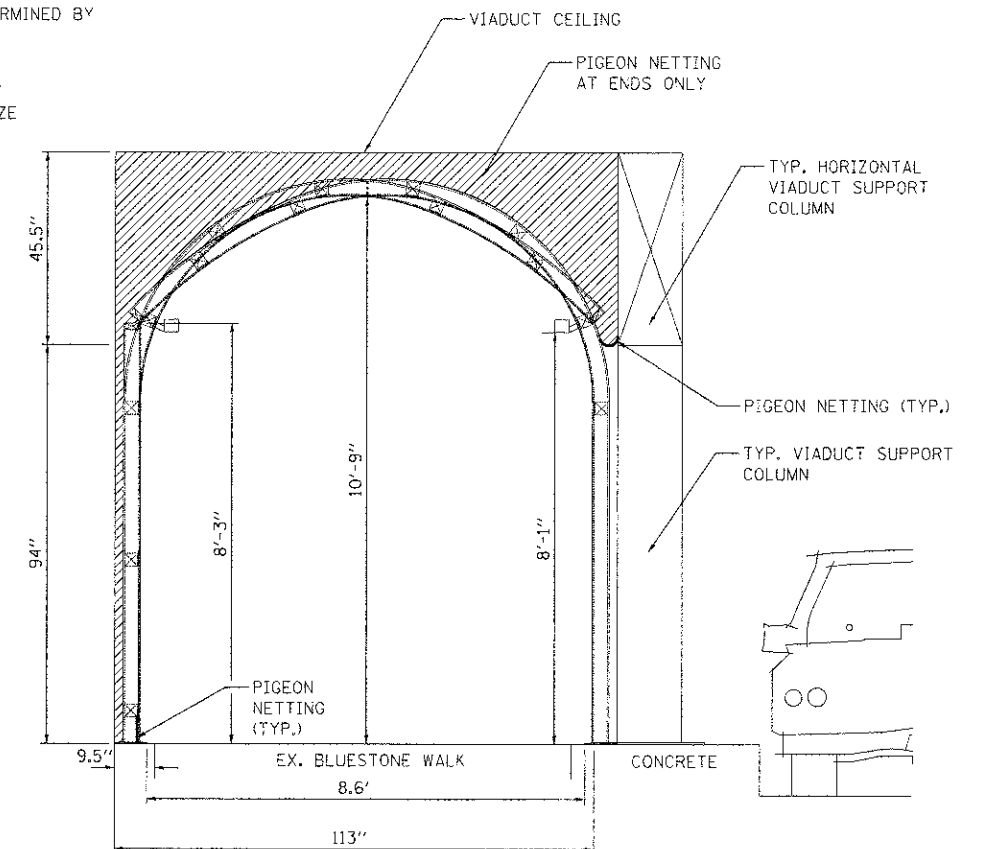
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	19
				CONTRACT NO. 63722
ILLINOIS FED. AID PROJECT				



**"ART PANEL" SCREEN CROSS SECTION**



**"CANTILEVER" SCREEN CROSS SECTION**



**VIADUCT END CAP\* CROSS SECTION**

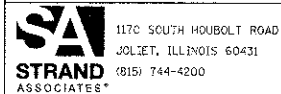
\*END CAPS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT INCLUDED IN THE UNIT PRICE FOR ORNAMENTAL METAL PANEL.

**NOTES:**

1. ALL DIMENSIONS & LOCATIONS TO BE FIELD VERIFIED BY CONTRACTOR.
2. ALL DIMENSIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING MATERIALS.
3. PIGEON NETTING SHALL BE INCLUDED IN THE COST OF ORNAMENTAL METAL PANELS.



FILE NAME : S:\JUL\6780-6799\6784\012\N\mtr-con\AC600\_Sheets\0163722-shl-Detail04.dgn



USER NAME = dennisw	DESIGNED - JDM	REVISED -
PLT SCALE = 2.0000' / IN.	DRAWN - JKP	REVISED -
PLCT DATE = 1/4/2013	CHECKED - MTC	REVISED -
	DATE - 05-07-2012	REVISED -

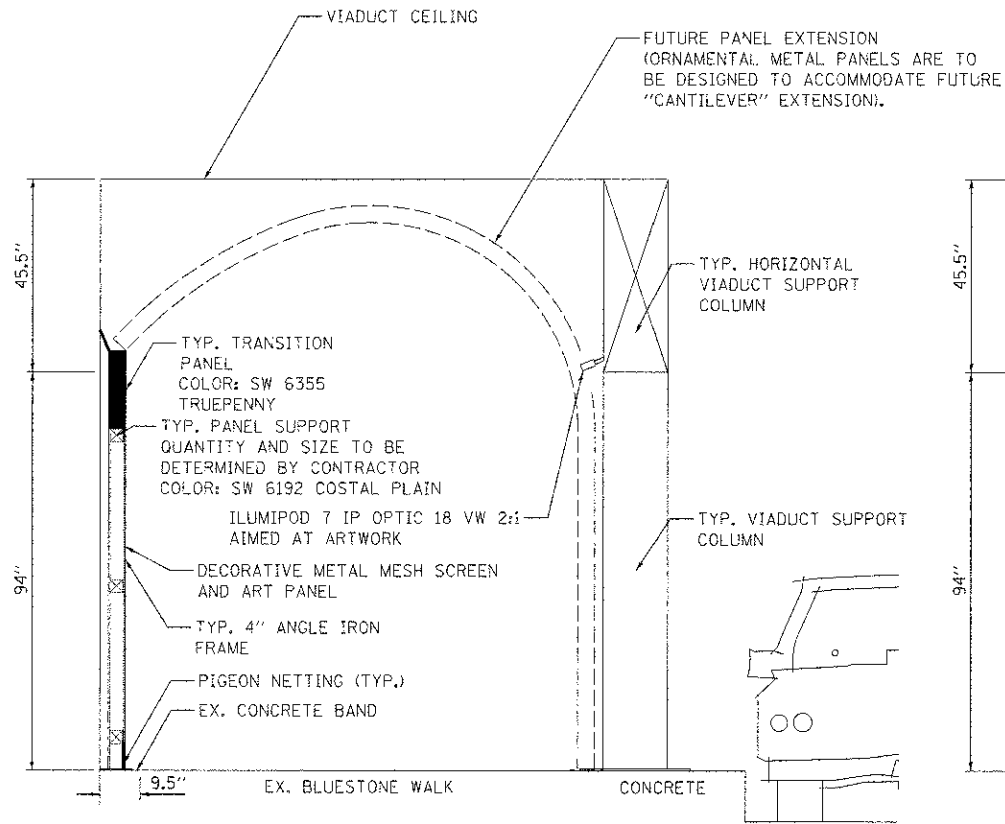
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ORNAMENTAL METAL PANELS DETAIL**

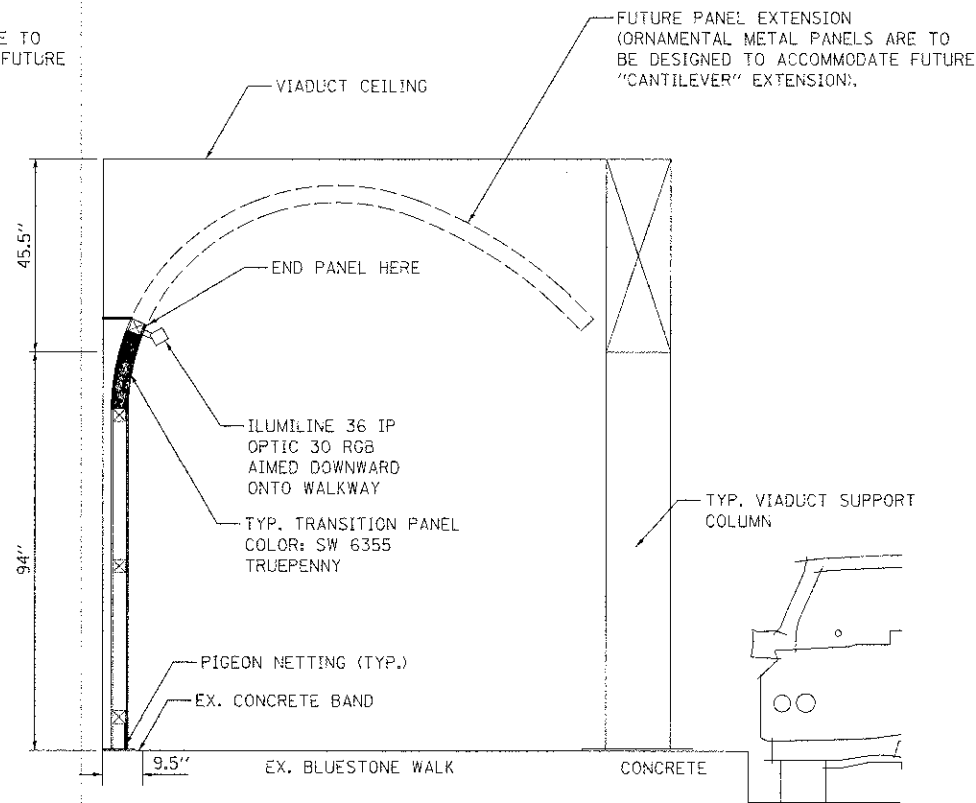
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	20
CONTRACT NO. 63722				
ILLINOIS FED. AID PROJECT				

FILE NAME = I:\JULIEN\6779\6794\12\Microsoft\CAD\Sheet\0163722-ahc-Detail107.dgn



**"ART PANEL" SCREEN CROSS SECTION**



**"CANTILEVER" SCREEN CROSS SECTION**

**NOTES:**

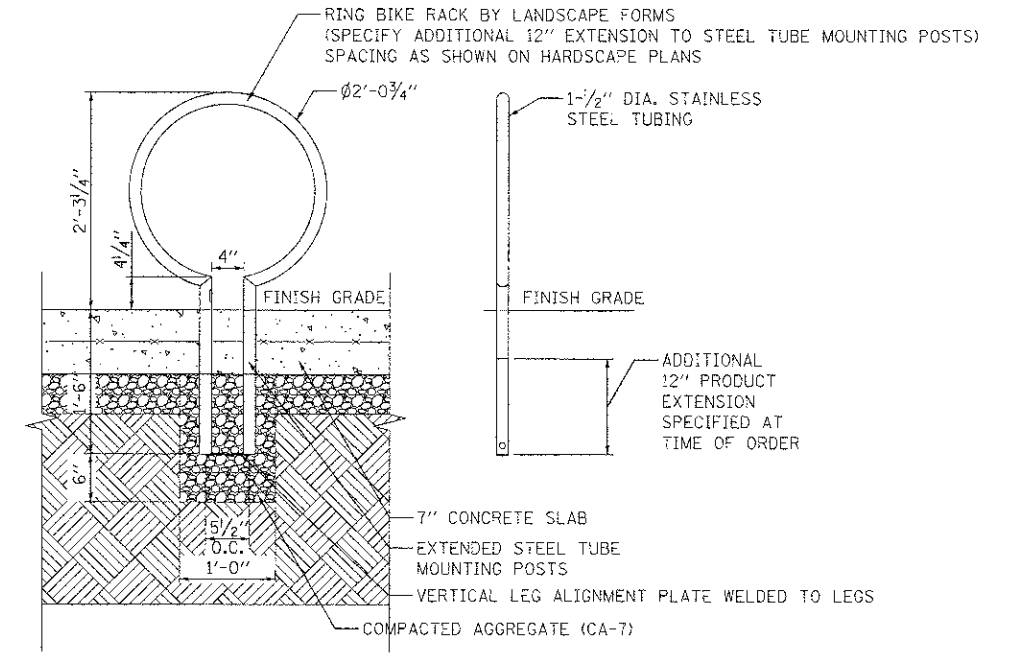
1. ALL DIMENSIONS & LOCATIONS TO BE FIELD VERIFIED BY CONTRACTOR.
2. ALL DIMENSIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING MATERIALS.



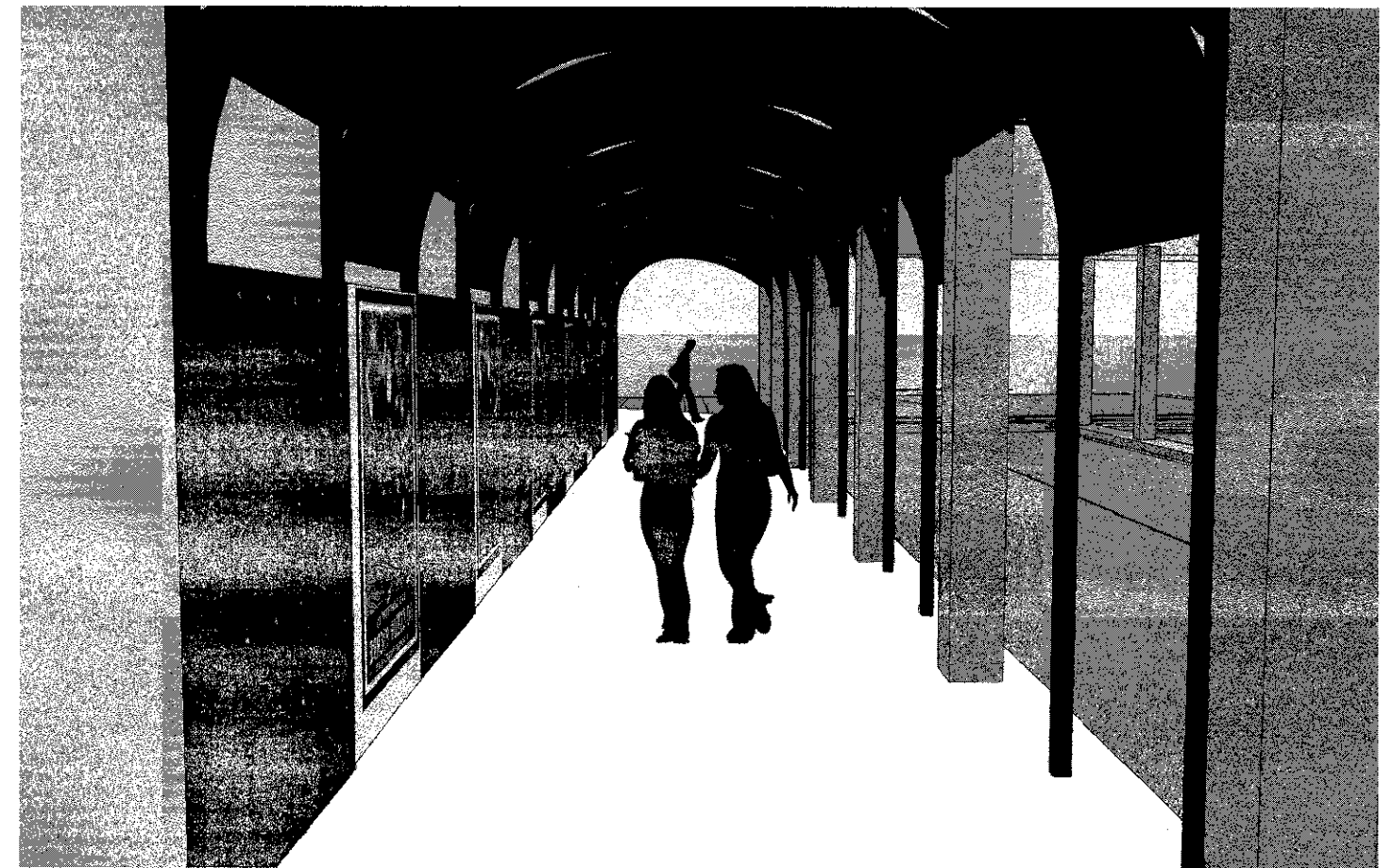




**MARION STREET VIADUCT ARCHITECTURAL RENDERINGS OF ORNAMENTAL METAL PANELS  
(FOR INFORMATION ONLY)**



**BICYCLE RACK DETAIL**



**MARION STREET VIADUCT ARCHITECTURAL RENDERINGS OF ORNAMENTAL METAL PANELS  
(FOR INFORMATION ONLY)**

FILE NAME = R:\JUL16788-6799\6784\B2\Marion-CADD\_Sheets\0103722-shp-Det-0a105.dwg

**SA**  
**STRAND**  
 ASSOCIATES\*  
 1170 SOUTH HUBBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = dennisk	DESIGNED - JDM	REVISED -
PLOT SCALE = 2.0000 1 / RL	DRAWN - JKP	REVISED -
PLOT DATE = 1/4/2013	CHECKED - MTC	REVISED -
	DATE - 05-07-2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ORNAMENTAL METAL PANELS DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	22
CONTRACT NO. 63722			ILLINOIS FED. AID PROJECT	

1 2 3 4 5 6  
SEC A-A

- A1 - 1 1/4" Light column
- A2 - 2" Hanging Lights
- A3 - 1 1/4" OUTLETS 7-11
- A4 - 1 1/4" OUTLETS 13-17
- A5 - 2" OUTLETS 19-23
- A6 - 2" PKG PAY BOX

- 1) HANGING LIGHTS
- 2) ST. L.T.G., G-SIDE
- 3) OUTLETS 19-23
- 4) PARKING PAY BOX
- 5) SW ST. LIGHT AND FUTURE

2' O/C  
10 CONDUITS:  
SEA - 2"

- SEA - 1 1/4"
- 1) OUTLETS 1, 3, 5
- 2) OUTLETS 7, 9, 11
- 3) OUTLETS 13, 15, 17
- 4) LIGHT COLUMN
- 5) IRRIGATION SYSTEM

1 2 3 4 5 6  
SEC B-B

- B1 - 2" ST. L.T.G.
- B2 - 2" VIADUCT L.T.G.
- B3 - 1 1/4" ST. L.T.G.
- B4 - 1 1/4" OUTLETS 2-6
- B5 - 2" OUTLETS 8-12
- B6 - 1 1/2" OUTLETS 14

**RECORD DRAWINGS**  
Lyons / Pinner Electric Inc,  
(708) 588-6800  
*Scott Lyons*  
PROJECT MANAGER  
DATE: 1-20-12

6 CONDUITS:  
3EA - 2"  
1EA - 1 1/2"  
2EA - 1 1/4"

5 CONDUITS:  
3-2"  
1-1 1/2" OUTLET 14  
1-1 1/2" OUTLET 14

3-2" P 30'  
1-4" P 30'  
1-2 1/2" P 30'

1 2 3 4 5  
SEC C-C

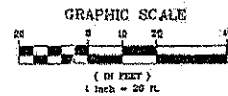
- C1 - 2" ST. LIGHTING
- C2 - 2" OUTLETS 19-23
- C3 - 1 1/4" OUTLETS 13-17
- C4 - 1 1/4" OUTLETS 7-11
- C5 - 2" PARKING PAY BOX

3-2" ST. L.T.G. PKG STATION  
OUTLET 2 19-23  
1EA 1 1/4" (OUTLETS 13-17)

**LEGEND**

SYMBOL	DESCRIPTION
	PROPOSED 26'-0" STREET LIGHT: STERNBERG 1914 LED FIXTURE WITH 16" DIA PEDESTRIAN GLOBE
	STERNBERG 16" DIA GLOBE PEDESTRIAN LIGHT
	STERNBERG 4-16" DIA & 1-20" DIA-GLOBE CLUSTER LIGHT
	CUSTOM LIGHT COLUMN
	ELECTRIC CAR CHARGING STATION
	DUPLEX GFI-WEATHERPROOF RECEPTACLE IN LANDSCAPED AREA
	DUPLEX GFI-WEATHERPROOF RECEPTACLE ON POLE
	CONTROLLED VIA TIME CLOCK
	POLE FIXTURE TAG LIGHTING CIRCUIT NUMBER

**NOTES:**  
ALL PLANTER MAKE SET RECEPTACLES AND IN-GROUND JUNCTION BOXES  
ALL TREE GRATES HAVE CAPPED CORR. PLUGS CONNECTED TO ADJACENT POLE BFE AND AN IN-GROUND TRNGTID. BOX  
ALL CONDUITS 2' FROM O/C



NO.	REVISIONS	MADE	CHK	DATE	BY	REVISIONS	MADE	CHK	DATE	BY
1	PER MYRA REVIEW COMMENTS	JAP		04/20/11						
2	PER NEFA REVIEW COMMENTS	JAP		04/20/11						
3										
4										
5										

NO.	NAME	DATE
DESIGNED	JDM	05/07/2011
DRAWN	JKP	05/07/2011
CHECKED	MTC	05/07/2011
PL	JAP	05/07/2011
APPD		
APPR		



SCALE: PROJECT NO. 11-155 CLIENT NO.  
SHEET DESCRIPTION: MARION STREET: ELECTRICAL - LIGHTING  
**VILLAGE OF OAK PARK**  
Downtown Streetscape Improvement - Oak Park Avenue & Marion Street

**TERRA ENGINEERING LTD.**  
226 W. OHIO STREET, 4TH FLOOR  
CHICAGO, IL 60654  
(312) 467-0123  
DATE OF SHEET MAKE

**FOR INFORMATION ONLY**



1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200  
USER NAME = donnicw

DESIGNED - JDM  
DRAWN - JKP  
CHECKED - MTC  
DATE - 05-07-2012

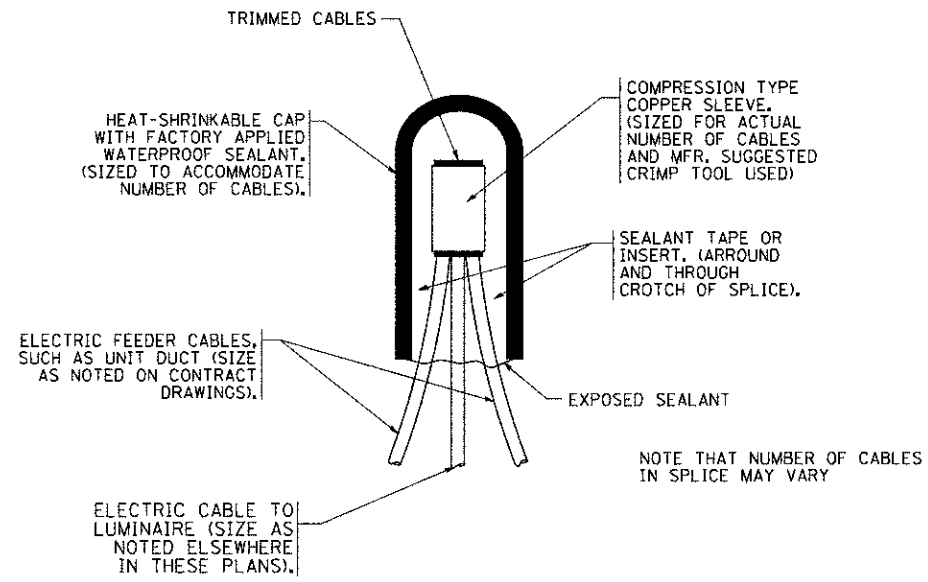
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MARION STREET ELECTRICAL PLAN  
RECORD DRAWING

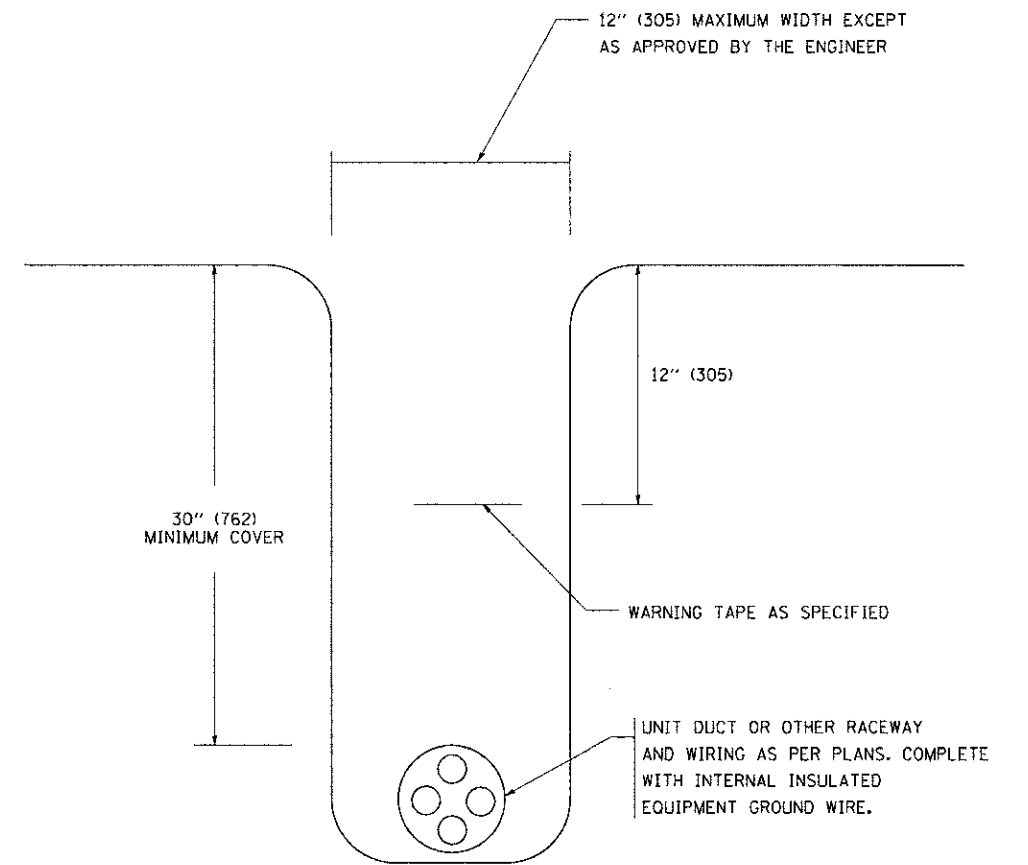
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	23
				CONTRACT NO. 63722
(ILLINOIS) FED. AID PROJECT				



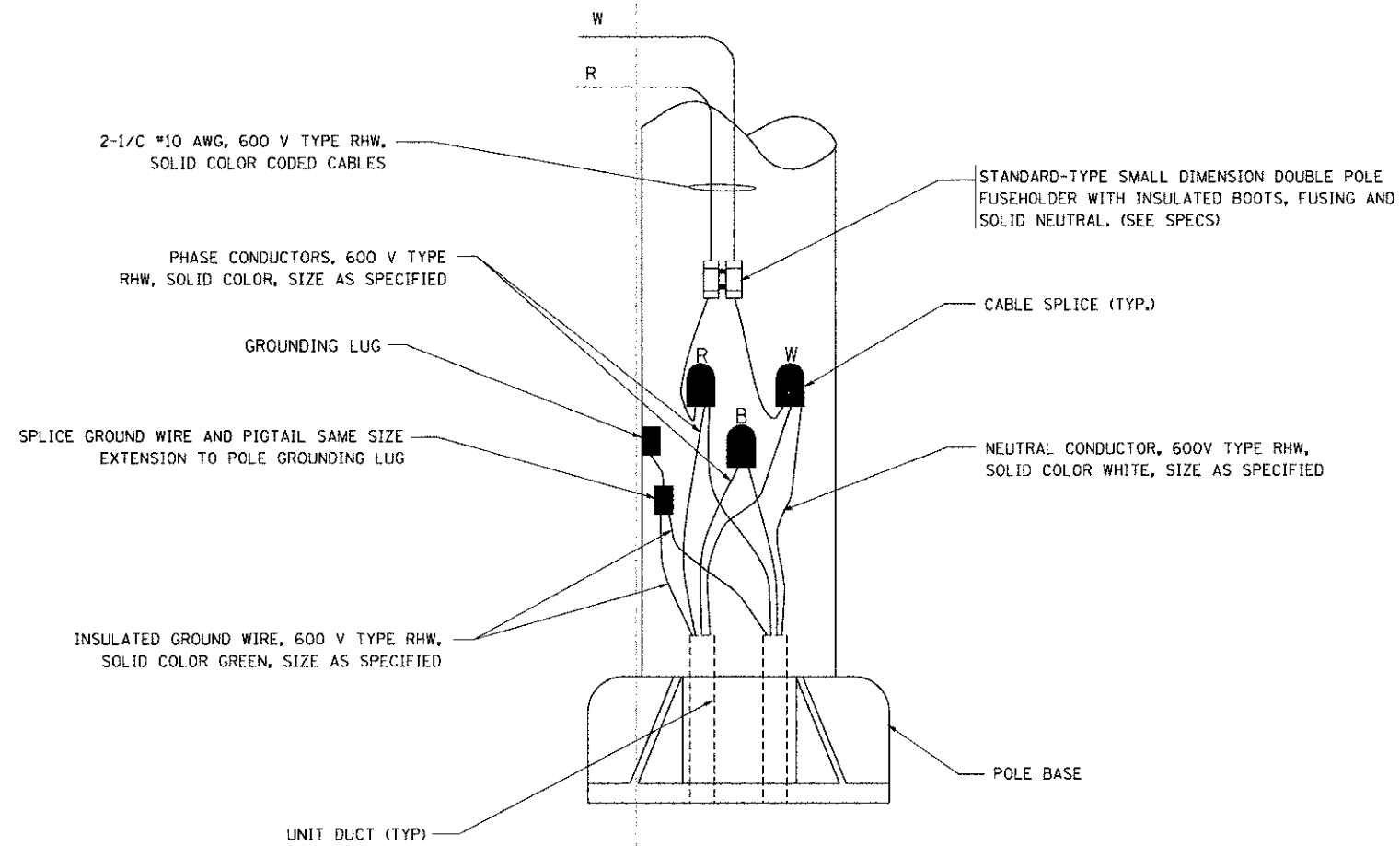
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

FILE NAME = W:\dststd\22v34\ba782.dgn

USER NAME = geglennobt  
 PLOT SCALE = 0.000' / IN.  
 PLOT DATE = 1/4/2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED - 08-08-03  
 REVISED -  
 REVISED -  
 REVISED -

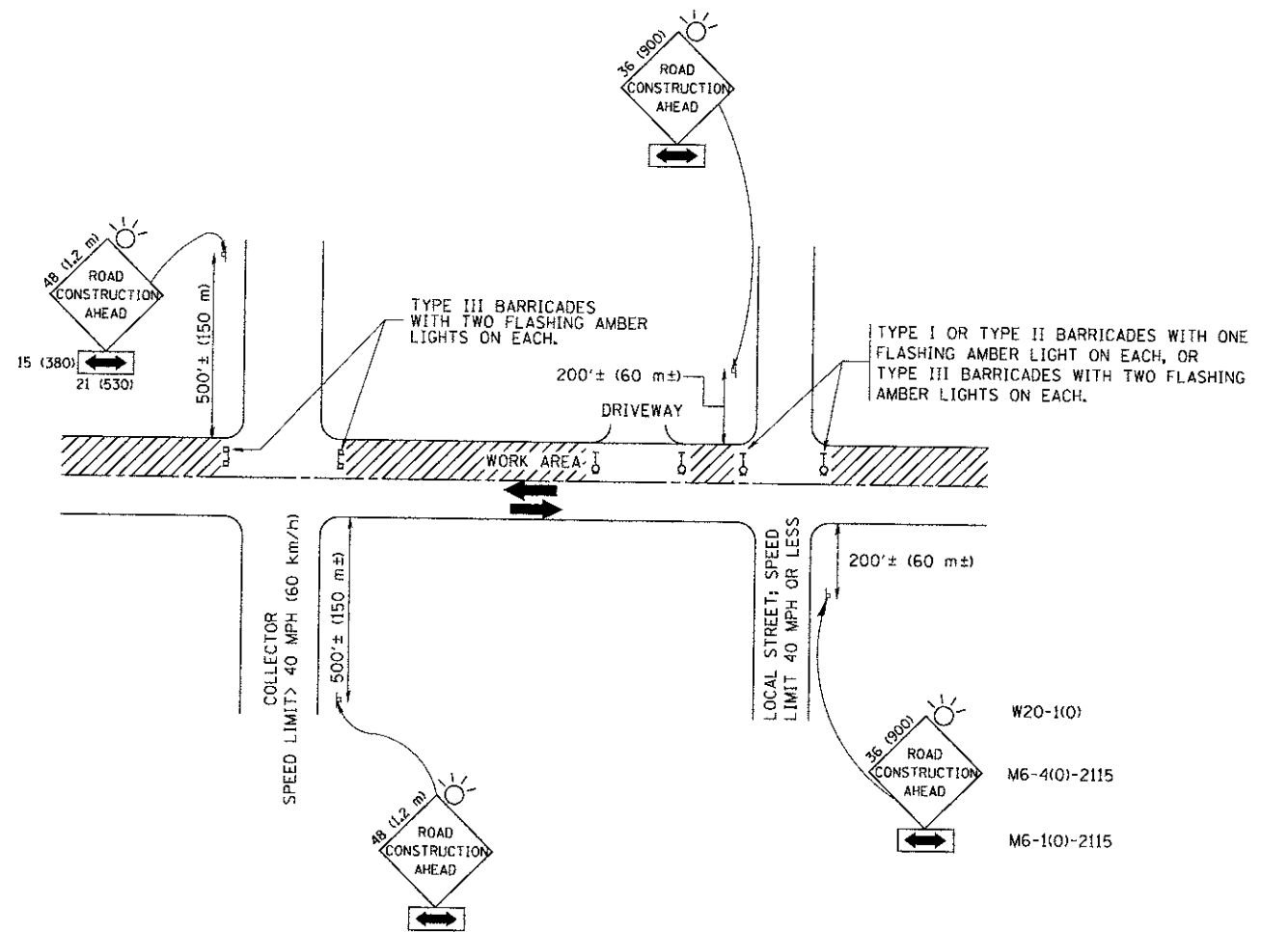
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS  
 SHEET A

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	24
BE-702		CONTRACT NO. 63722		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
  - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = gog tenobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\data\td\22x34\td\td.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	11-00253-00-LS	COOK	25	25
TC-10		CONTRACT NO. 63722		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				