

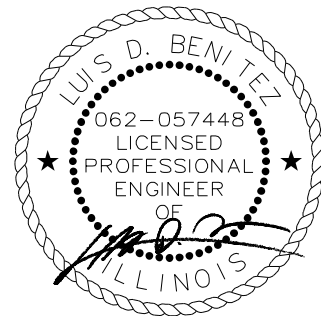
01-16-2026 LETTING ITEM 030  
FOR INDEX OF SHEETS, SEE SHEET NO. 2

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

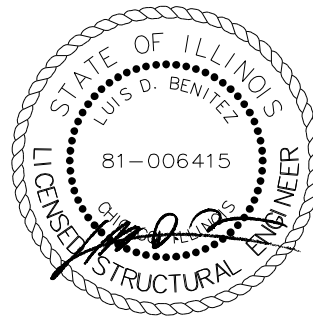
## TRAFFIC DATA

**JACKSON STREET: 8,000 ADT (2019)**

**JEFFERSON STREET: 11,110 ADT (2023)**



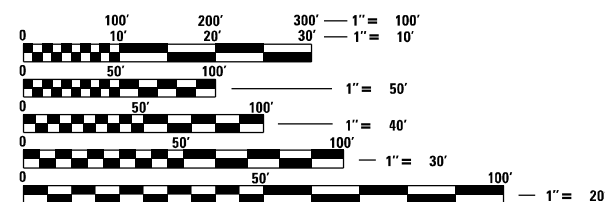
DATE: 10/06/2025  
Exp.: 11/30/2027



DATE: 10/06/2025  
Exp.: 11/30/2026

**JACKSON ST. MOVABLE BRIDGE  
STRUCTURE NO. 099-0239**

**IMPROVEMENT LOCATED IN  
CITY OF JOLIET IN WILL COUNTY**



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

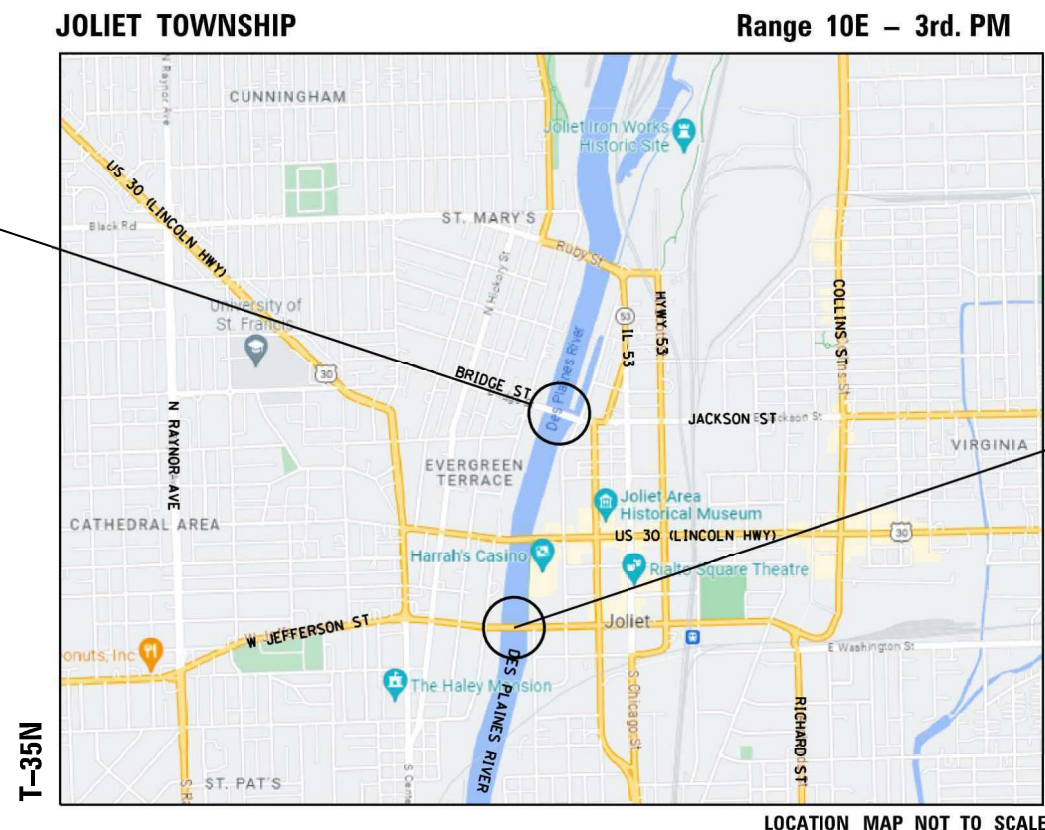
**J.U.L.I.E.**  
**JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION**  
**1-800-892-0123 OR 811**

**PROJECT ENGINEER: AZZA ALMEHREZ**  
**PROJECT MANAGER: BARAA GHANDOUR**  
**CONTRACT NO. 62Y09**

**FAU 297A – JACKSON STREET AND  
FAP 607 – US 30 (JEFFERSON STREET)  
AT DES PLAINES RIVER  
SECTION 2025-1066-I  
ADVANCE PROCUREMENT  
WILL COUNTY**

**C-91-185-25**

**Range 10E – 3rd. PM**



— JEFFERSON ST. MOVABLE BRIDGE  
STRUCTURE NO. 099-0166

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 6<sup>th</sup> 2025  
Joe Rosta  
REGIONAL ENGINEER

December 5<sup>th</sup> 2025  
Scott E. Etkin  
ENGINEER OF DESIGN AND ENVIRONMENT

December 5<sup>th</sup> 2025  
James J. [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



**COLLINS**  
**ENGINEERS**  
550 W. JACKSON ST., SUITE 1200  
CHICAGO, IL 60661  
(312) 704-9300  
ILLINOIS PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-000993

MODEL: Default  
FILE NAME: Unasun\H\lData\Projects\10-IL\13933-IDOT - Jackson at Des Plaines\Work\Advanced Procurement\CADD Sheets\0990239-62\09-002-general\_data.dgn

INDEX OF SHEETS

- 1. Cover Sheet
- 2. Index of Sheets, General Notes, and Summary of Quantities
- 3. Jackson St. Bridge Existing Span Drive Machinery
- 4. Jefferson St. Bridge Existing Span Drive Machinery
- 5. Emergency Generator Details
- 6. Rack, Pinion, and Shims Details
- 7. Traffic Gates
- 8. Electric Incinerating Toilet
- 9. Steel Grid Deck Detail I
- 10. Steel Grid Deck Detail II
- 11. Steel Grid Deck Detail III
- 12. Steel Grid Deck Detail IV
- 13. Steel Grid Deck Detail V

GENERAL NOTES:

- 1. All construction shall be done in accordance with the Standard Specifications for Road and Bridge Construction adopted January 1, 2022, herein after referred to as the Standard Specifications, the Supplemental Specifications and Recurring Special Provisions adopted January 1, 2026, the details in the Plans, and the Special Provisions included in the contract documents.
- 2. Location 1 - Jackson Street Movable Bridge over the Des Plaines River, Structure Number 099-0239.
- 3. Location 2 - Jefferson Street Movable Bridge over the Des Plaines River, Structure Number 099-0166.
- 4. The Contractor shall coordinate with the Department all aspects of procuring and delivering to designated sites. The Contractor is responsible for all labor, permits, weatherproof storage, and equipment to deliver all contract materials and components.
- 5. The brake systems, generator, and other components included in this contract shall be delivered in a weatherproof container/packaging capable of storing the parts for several years at a Department facility or yard. The Contractor is to coordinate the details of the weatherproofing type, size, insulation, and waterproof requirements with the Department, and all costs shall be included under the corresponding pay items.
- 6. Delivery location to be coordinated and approved by the Department. Possible locations are identified as the Stevenson Maintenance Yard located at 8630 Joliet Road, McCook, IL 60525 or the District Bridge Office located at 1101 Biesterfield Road, Elk Grove Village, IL 60007. The Contractor shall coordinate with the Bureau of Maintenance at (847.705.4162), and Jason Sedlacek at (708.485.2446) all access, equipment restrictions, and schedule four (4) weeks prior to delivery.

SUMMARY OF QUANTITIES

|            |                                                                |       |                | Construction Code            |                              |              |
|------------|----------------------------------------------------------------|-------|----------------|------------------------------|------------------------------|--------------|
|            |                                                                |       |                | State Bridge<br>SN. 099-0239 | State Bridge<br>SN. 099-0166 | State Bridge |
| Code No.   | Item Description                                               | Unit  | Total Quantity |                              |                              |              |
| X0326546   | Traffic Gates                                                  | Each  | 4              |                              |                              | 4            |
| X0327760   | Steel Grid Deck                                                | Sq Ft | 955            |                              |                              | 955          |
| X8710060   | Fiber Optic Cable, Micro, 96 Fibers, Single Mode               | Foot  | 5,000          |                              |                              | 5,000        |
| X1400479   | Emergency Generator with Automatic Transfer Switch, Location 1 | Each  | 1              | 1                            |                              |              |
| X0328541   | Furnishing Machinery Brakes Location No. 1                     | Each  | 4              | 4                            |                              |              |
| X0328551   | Furnishing Motor Brakes Location No. 1                         | Each  | 4              | 4                            |                              |              |
| X0328542   | Furnishing Machinery Brakes Location No. 2                     | Each  | 4              |                              | 4                            |              |
| X0328552   | Furnishing Motor Brakes Location No. 2                         | Each  | 4              |                              | 4                            |              |
| X0328560   | Furnishing Rack and Pinion                                     | L Sum | 1              |                              |                              | 1            |
| X0328561   | Electric Incinerating Toilet                                   | Each  | 2              |                              |                              | 2            |
| Ø Z0076604 | TRAINEES - TRAINING PROGRAM GRADUATE                           | HOUR  | 2000           | 2000                         |                              |              |



|              |                |           |
|--------------|----------------|-----------|
| USER NAME =  | DESIGNED - JNB | REVISED - |
|              | CHECKED - LDB  | REVISED - |
| PLOT SCALE = | DRAWN - DR     | REVISED - |
| PLOT DATE =  | CHECKED - LDB  | REVISED - |

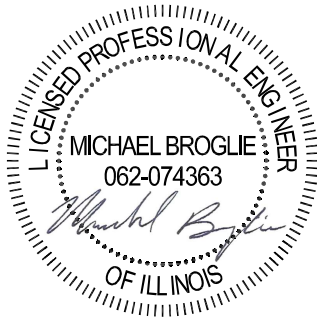
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES AND SUMMARY OF QUANTITIES  
JACKSON ST. & JEFFERSON ST. ADVANCED PROCUREMENT

SHEET 2 OF 13 SHEETS

|                    |             |          |                  |           |
|--------------------|-------------|----------|------------------|-----------|
| F.A.U. RTE.        | SECTION     | COUNTY   | TOTAL SHEETS     | SHEET NO. |
| VAR                | 2025-1066-I | WILL     | 13               | 2         |
| CONTRACT NO. 62Y09 |             |          |                  |           |
|                    |             | ILLINOIS | FED. AID PROJECT |           |

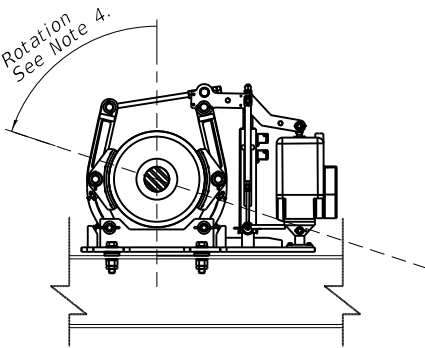
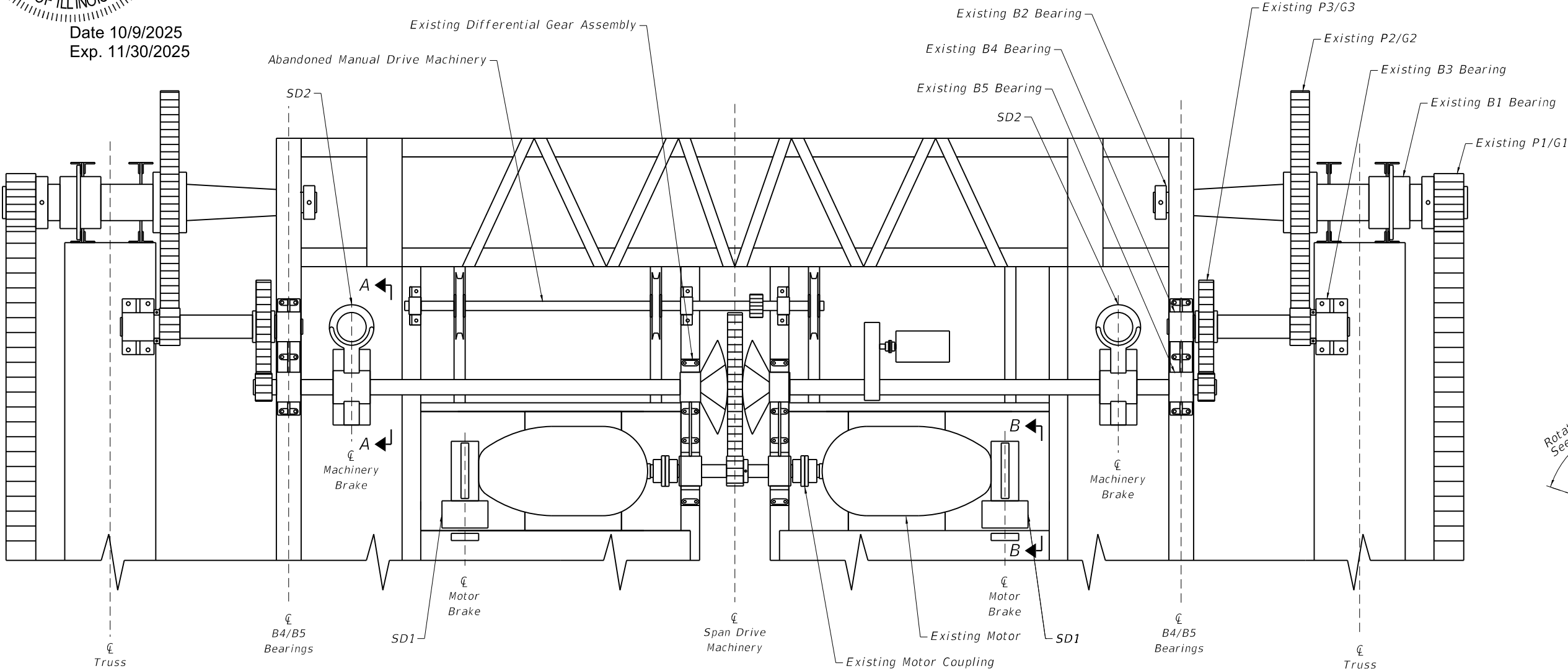
Ø 0042



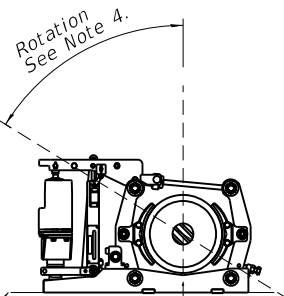
Date 10/9/2025  
Exp. 11/30/2025



- Notes:
- The scope of work is to procure motor brakes, machinery brakes, brake drums, and brake covers. Installation of the components will be under separate contract.
  - See Special Provisions for additional information related to brake procurement.
  - All brake drums to be provided with Ø2" pilot bore.
  - Brakes rotate with leaf. Thrustor orientation must be suitable for leaf rotation of 71°.



SECTION A-A  
Scale: NTS



Motor Brake Support

SECTION B-B  
Scale: NTS

SPAN DRIVE MACHINERY ASSEMBLY

Scale: NTS  
West leaf shown, east leaf similar

SPAN DRIVE BRAKES

| Mark No. | Qty. (Total for Project) | Component       | Description                                                                                                                 | Brake Drum Dia. (in) | Time Delay (sec) | Torque Rating (lb-ft) | Set Torque (lb-ft) | Set Torque Tolerance +/- (lb-ft) | Shaft Dia. (in) |
|----------|--------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-----------------------|--------------------|----------------------------------|-----------------|
| SD1      | 4*                       | Motor Brake     | New. Spring set, thrustor released drum brake with drum and brake cover. See Special Provisions for additional information. | 13                   | 1-2              | 550                   | 475                | 25                               | See Note 3      |
| SD2      | 4*                       | Machinery Brake | New. Spring set, thrustor released drum brake with drum and brake cover. See Special Provisions for additional information. | 16                   | 3-4              | 1,400                 | 1,250              | 60                               | See Note 3      |

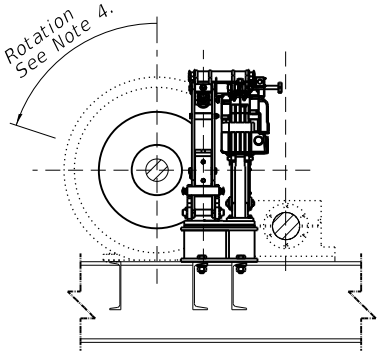
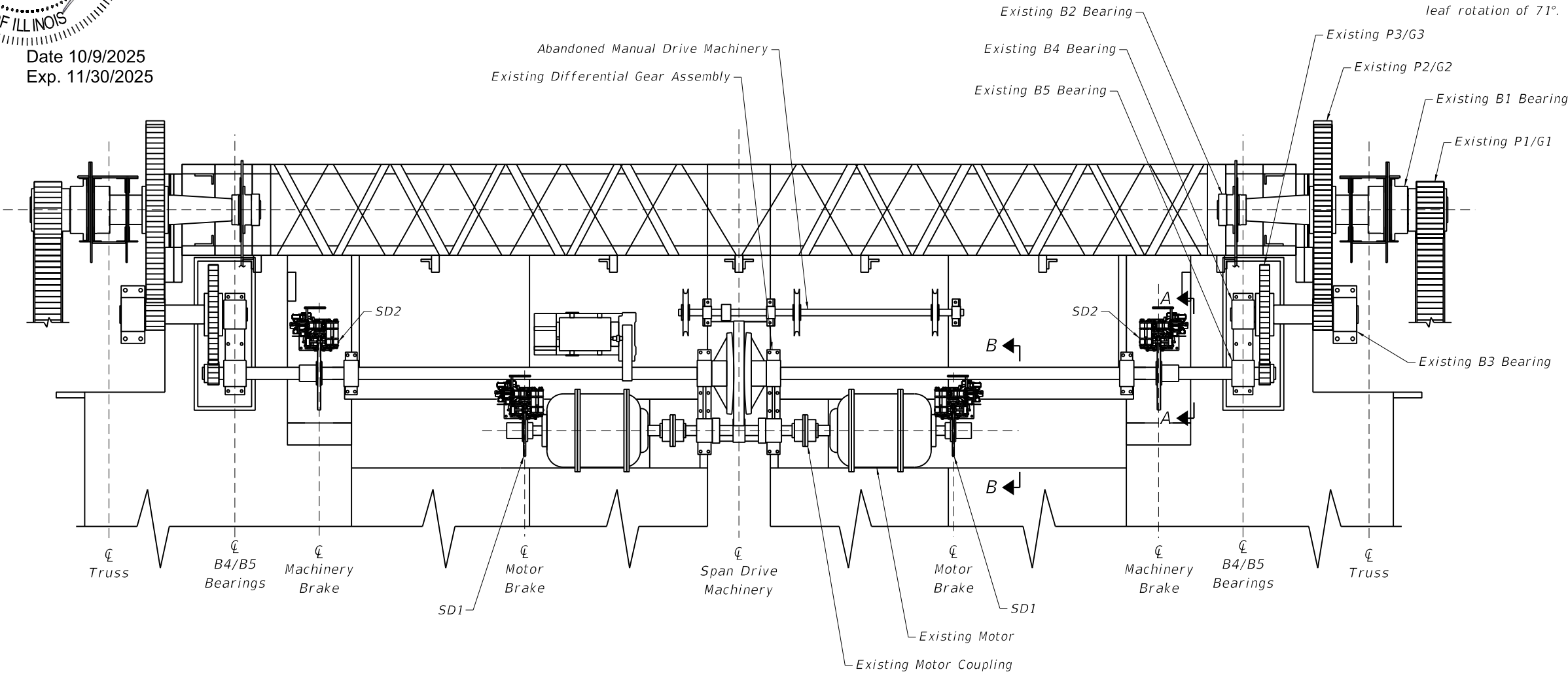
\* 2 left hand and 2 right hand



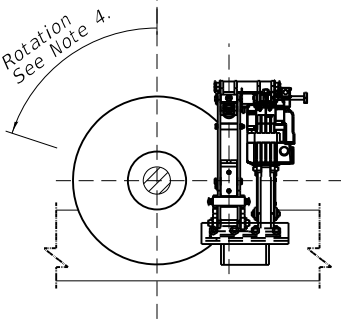
Date 10/9/2025  
Exp. 11/30/2025



- Notes:
- The scope of work is to procure motor brakes, machinery brakes, brake disc hubs, and brake covers. Installation of the components will be under separate contract.
  - See Special Provisions for additional information related to brake procurement.
  - Machinery brake disc hubs to be provided with Ø1" pilot bore.
  - Brakes rotate with leaf. Thruster orientation must be suitable for leaf rotation of 71°.



SECTION A-A  
Scale: NTS



SECTION B-B  
Scale: NTS

SPAN DRIVE MACHINERY ASSEMBLY

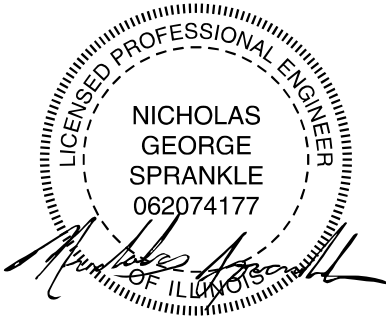
Scale: NTS  
East leaf shown, west leaf similar

SPAN DRIVE BRAKES

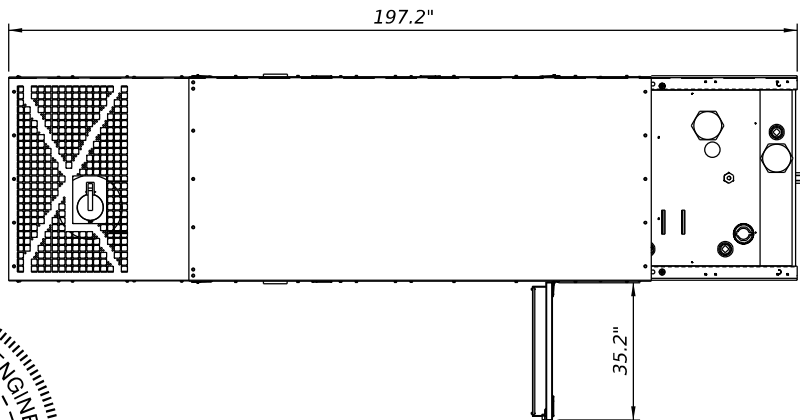
| Mark No. | Qty. (Total for Project) | Component       | Description                                                                                                                       | Brake Disc Dia. (in) | Time Delay (sec) | Torque Rating (lb-ft) | Set Torque (lb-ft) | Set Torque Tolerance +/- (lb-ft) | Shaft Dia. (in) |
|----------|--------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-----------------------|--------------------|----------------------------------|-----------------|
| SD1      | 4*                       | Motor Brake     | New. Spring set, thruster released disc brake with brake disc and brake cover. See Special Provisions for additional information. | 19.7                 | 1-2              | 500                   | 450                | 45                               | See Note 3      |
| SD2      | 4*                       | Machinery Brake | New. Spring set, thruster released disc brake with brake disc and brake cover. See Special Provisions for additional information. | 28                   | 3-4              | 2,150                 | 1,800              | 180                              | See Note 3      |

\* 2 left hand and 2 right hand

MODEL: Default  
FILE NAME: pw\hq-pwin01.a-e.transyscorp.com\transyscorp-pw1\Documents\Projects\_2020\CH401 - Chicago\PA01200231 - IDOT PTB 197-01 Jackson Street Bascule - Phase II\2022.20 - Electrical\ID162M81-Generator



Date 10/10/2025  
Exp. 11/30/2025



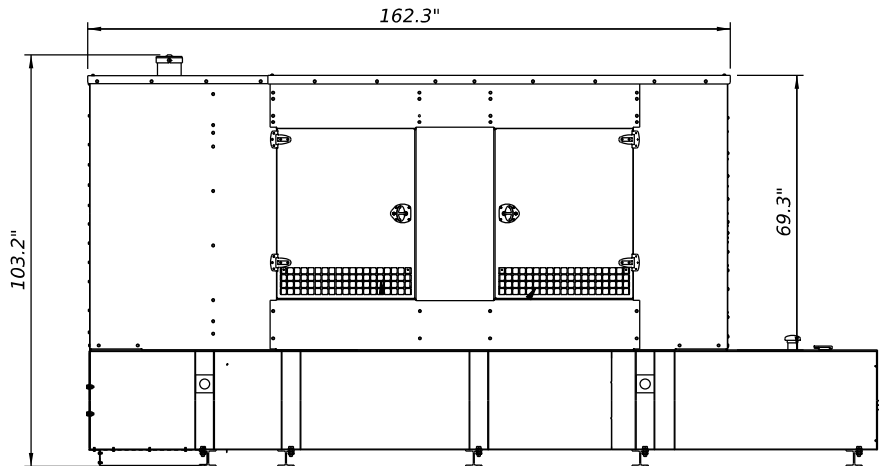
EMERGENCY GENERATOR

Top View

BILL OF MATERIALS

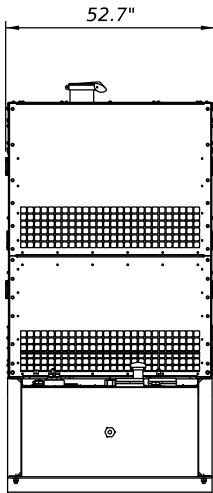
| ITEM                                                            | UNIT | QUANTITY |
|-----------------------------------------------------------------|------|----------|
| Emergency Generator with Automatic Transfer Switch (Location 1) | Each | 1        |

- NOTES:
1. The generator shall be capable of operation from fuel supply for approximately 24 hours at 100% load (465 Gallon minimum)
  2. The generator shall be provided with a sound-attenuated, weatherproof enclosure.
  3. Furnish a new, compatibale ATS (Automatic Transfer Switch) with generator set.
  4. A remote control and annunciator shall be provided at the upper level of the control house for the generator.
  5. Provide dedicated 20 amp receptacle in the generator enclosure for use with battery chargers/maintainers.



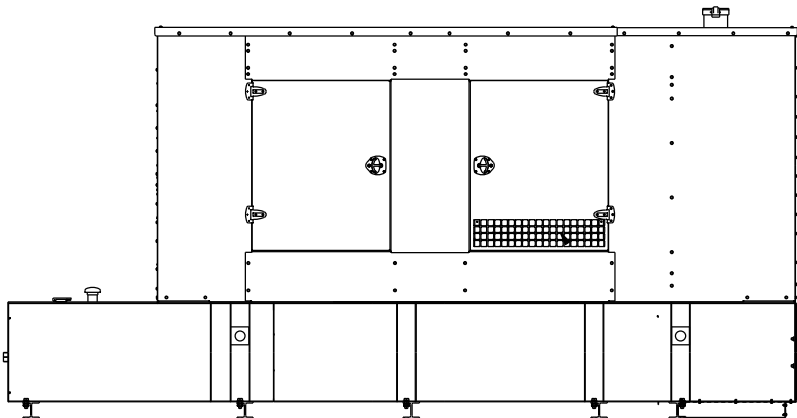
EMERGENCY GENERATOR

Right Elevation



EMERGENCY GENERATOR

Front Elevation



EMERGENCY GENERATOR

Left Elevation

TRANSYSTEMS

|              |               |           |
|--------------|---------------|-----------|
| USER NAME =  | DESIGNED - SR | REVISED - |
|              | CHECKED - NGS | REVISED - |
| PLOT SCALE = | DRAWN - SR    | REVISED - |
| PLOT DATE =  | CHECKED - NGS | REVISED - |

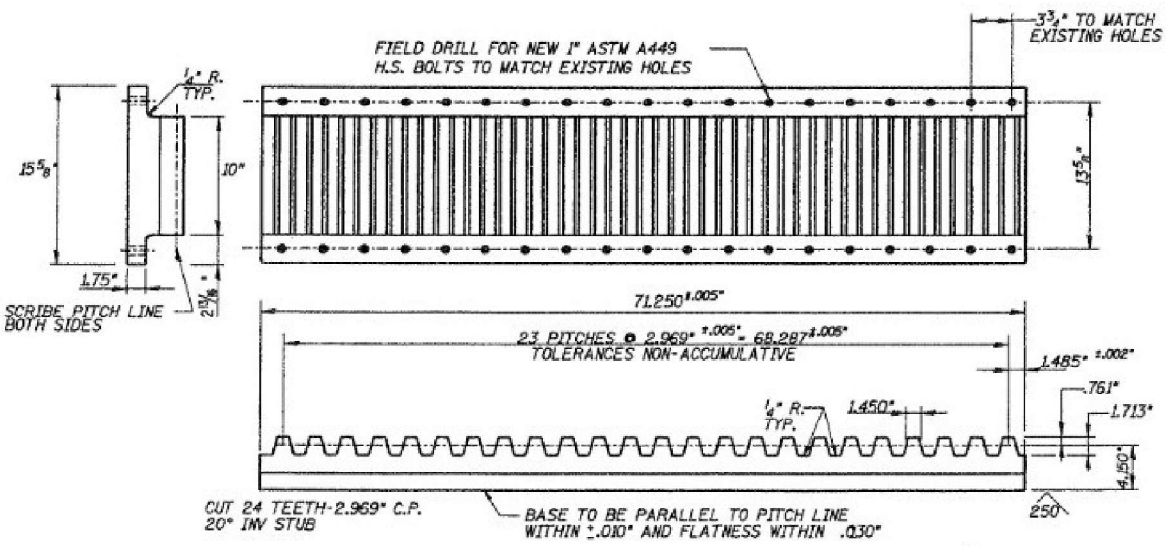
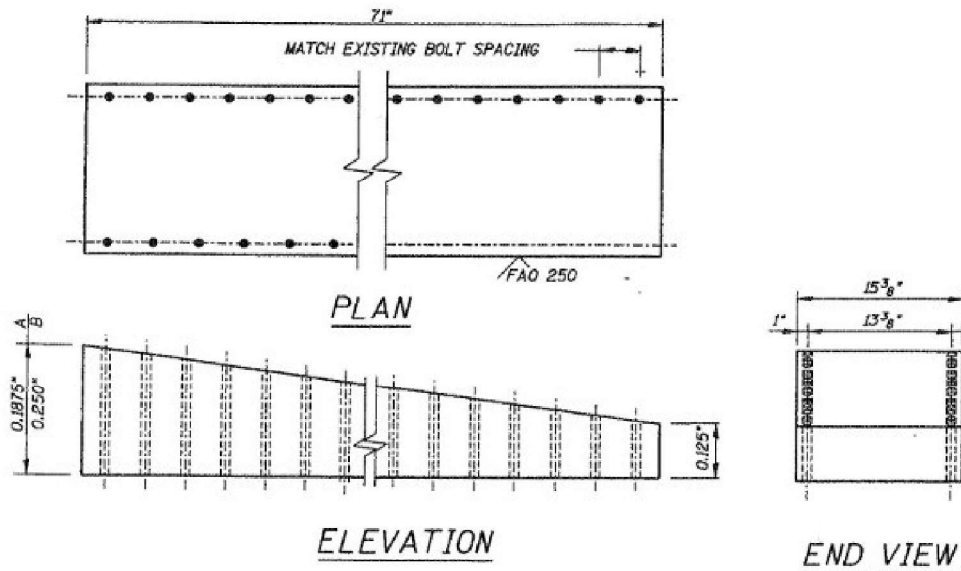
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EMERGENCY GENERATOR DETAILS  
JACKSON ST. & JEFFERSON ST. ADVANCED PROCUREMENT

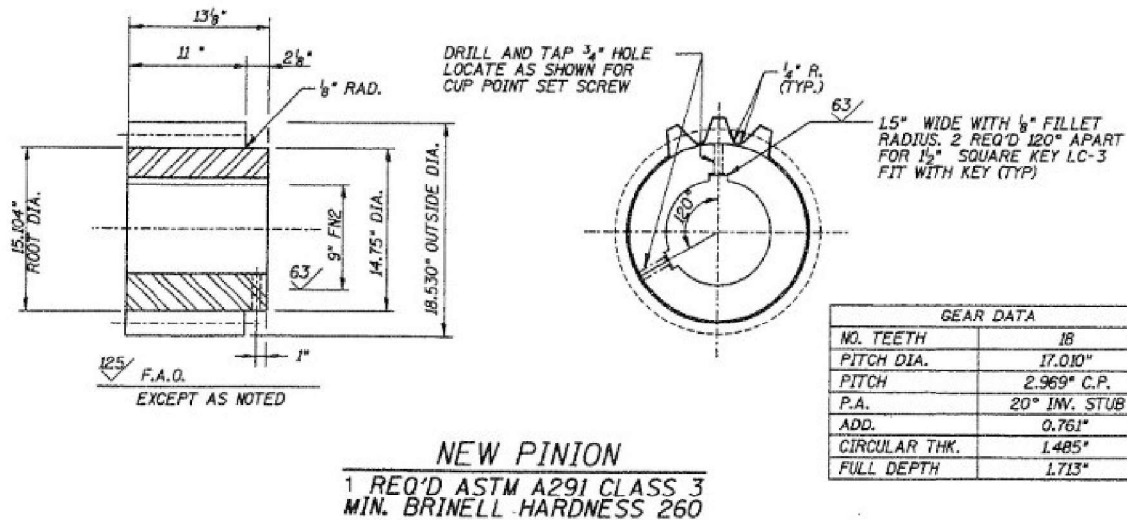
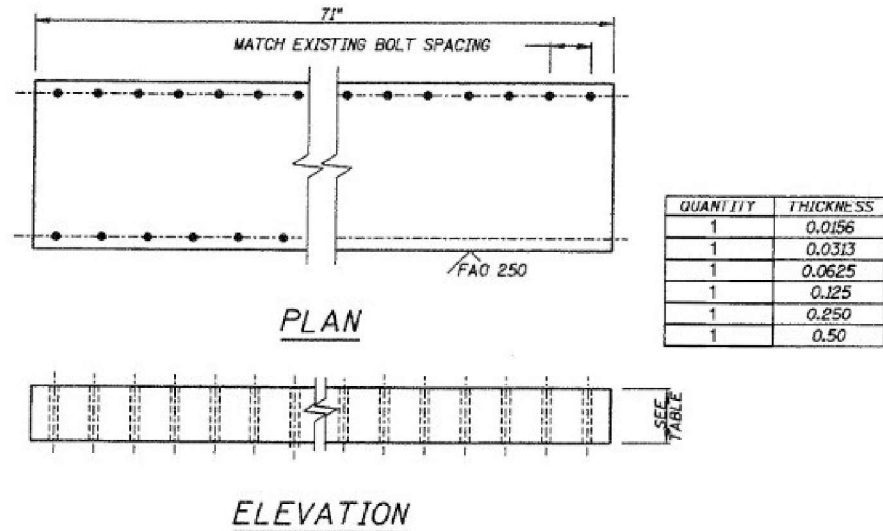
SHEET 5 OF 13 SHEETS

| F.A.U. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| VAR                       | 2025-1066-1 | WILL   | 13           | 5         |
| CONTRACT NO. 62Y09        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

MODEL: Default  
FILE NAME: UnasunHData\Projects\10-IL13933-IDOT - Jackson at Des Plaines\Work\Advanced Procurement\CADD Sheets\0990239-62\Y09-006-rack\_pinion\_and\_shims.dgn



NOTE: RACK HEIGHT WILL BE ADJUSTED WITH TAPERED AND NON-TAPERED SHIMS TO FOLLOW THE PATH OF THE PINION.  
FIELD MEASUREMENTS FROM McDONOUGH STREET BRIDGE OVER DES PLAINES RIVER, STRUCTURE NUMBER 099-9904.



- Notes:
- The Contractor shall verify all dimensions in the field prior to ordering and fabrication in order to ensure proper future installation.
  - Dimensions indicated to the Contract Drawings are nominal and are intended for guidance only. All variations from the nominal dimensions on the Contract Drawings shall be noted on the shop Drawings.

#### BILL OF MATERIAL

| ITEM                       | UNIT  | QUANTITY |
|----------------------------|-------|----------|
| Furnishing Rack and Pinion | L Sum | 1        |

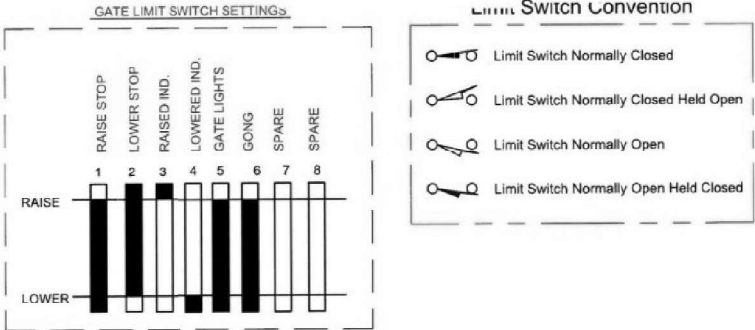
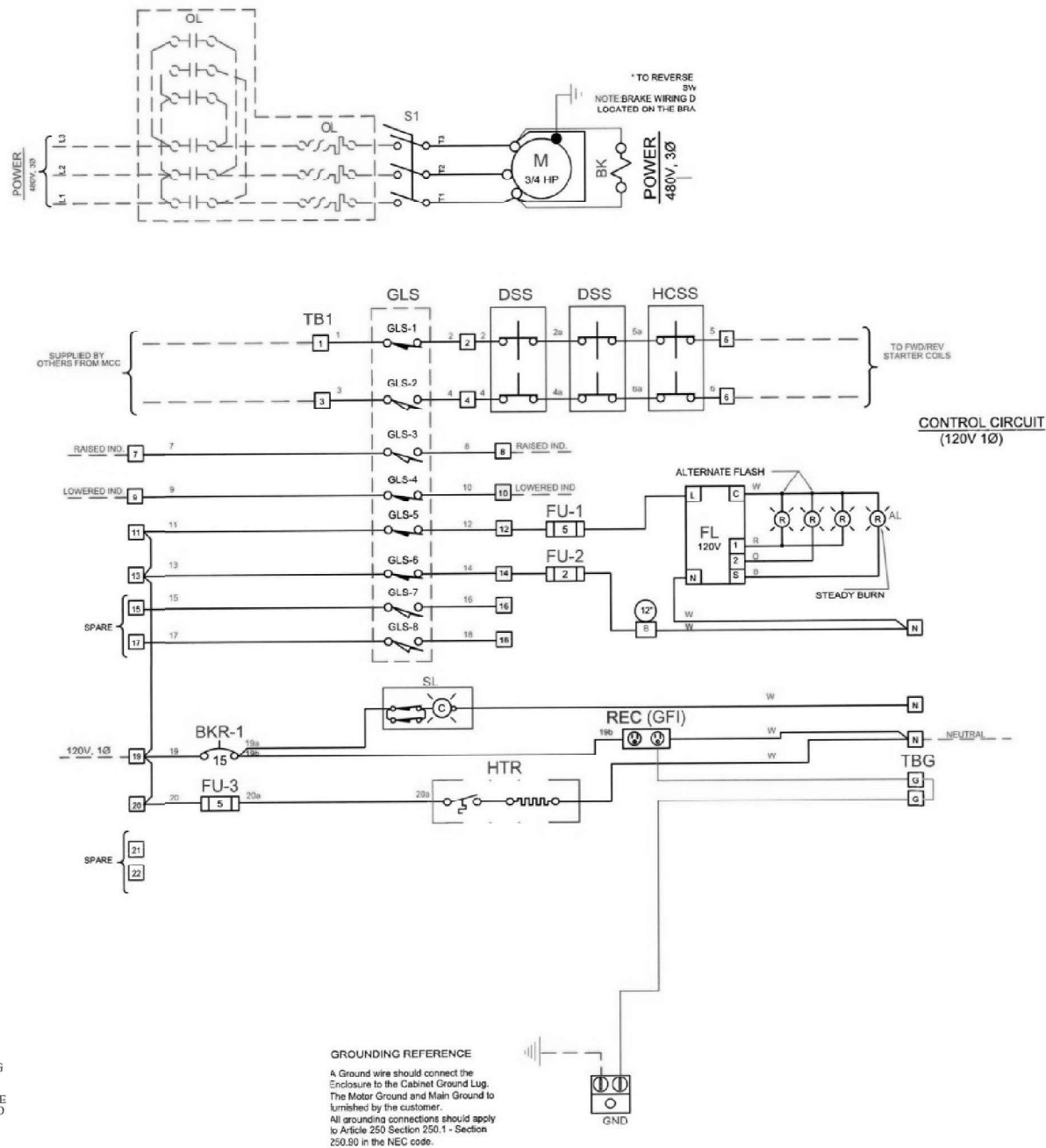
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RACK, PINION, AND SHIMS DETAILS  
JACKSON ST. & JEFFERSON ST. ADVANCED PROCUREMENT

SHEET 6 OF 13 SHEETS

| F.A.U. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| VAR                       | 2025-1066-I | WILL   | 13           | 6         |
| CONTRACT NO. 62Y09        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

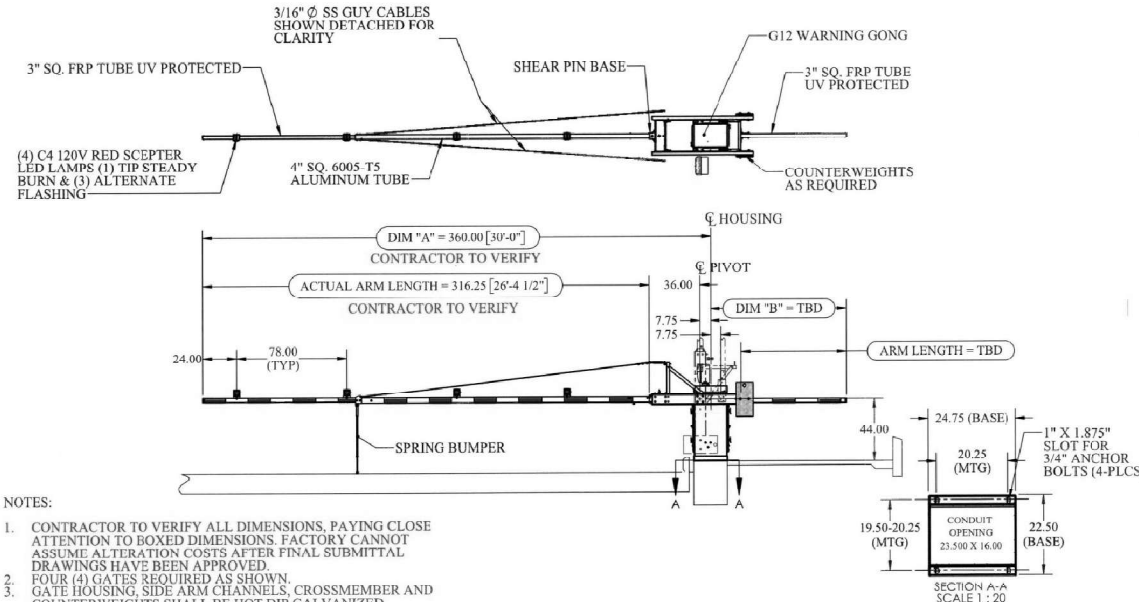
MODEL: Default  
FILE NAME: Unasun\HIDData\Projects\10-IL13933-IDOT - Jackson at Des Plaines\Work\Advanced Procurement\CADD Sheets\0990239-62\Y09-007-Lra\_c\_gates.dgn



**NOTES:**

1. CIRCUIT SHOWN WITH GATE FULLY LOWERED.
2. ALL CONDUCTORS SHALL BE 600V RATED; THHN#12 AWG MINIMUM STRANDED WIRE.
3. THE GROUNDING WIRE SHALL BE THHN#12 AWG FROM THE ENCLOSURE TO THE GROUNDING LUG.
4. INCOMING GROUND TO THE UNIT SUPPLIED BY OTHERS WITH A #8 SOLID GROUND WIRE FROM A GROUNDING ROD ACCORDING TO LOCAL STATE CODES AND THE NEC CODE.
5. NUMBER ALL CONDUCTORS, BOTH ENDS.
6. ALL DASHED (RED) LINES REPRESENTS WIRING BY OTHERS.

| ITEM  | QTY | PARTS NO.            | DESCRIPTION                                     |
|-------|-----|----------------------|-------------------------------------------------|
| AL    | 4   | ALT-C4-120-LED-SCEPT | BARRIER LIGHT, C4 120V LED, 2 WAY(REF)          |
| B     | 1   | AGO-A001B            | BRONZE GONG ASSY                                |
| BKR-1 | 1   | XBRKR-FAZ-D15-1-NASP | CIRCUIT BREAKER, 15A, 120/277V, UL489 RATED     |
| DSS   | 2   | PSW-20M405           | SWITCH, MICROSWITCH 20M405, DPDT                |
| FL    | 1   | PFL-120VAC-10A       | FLASHER, 120VAC, 3 CIRCUIT(2 FLASH, 1 STEADY)   |
| FU-1  | 1   | PFU-FNM-5            | FUSE, FLASHER, 5A, 120V, LITTLE FUSE#FLM5       |
| FU-2  | 1   | PFU-FNM-2            | FUSE, GONG, 2A, 120V, LITTLE FUSE#FLM2          |
| FU-3  | 1   | PFU-FNM-5            | FUSE, HEATER, 5A, 120V, LITTLE FUSE#FLM5        |
| GLS   | 1   | ALSA001              | LIMIT SWITCH ASSY, 8 CIRCUIT SPDT SWITCH(REF)   |
| GND   | 1   | XLUG-LAM2A1W         | PANDUIT GROUND LUG                              |
| HCSS  | 1   | PSW-DTE6-2RN         | SWITCH, STARIGHT, DPDT                          |
| HTR   | 1   | AHTA001              | KIT, STANDARD HEATER ASSY, 120V, 200W           |
| M     | 1   | PMO-75-3-BK          | BRAKE MOTOR, 3/4HP, 3PH, 1725RPM, 208/480V(REF) |
| REC   | 1   | PSO-15A-GFCI-RECEPT  | RECEPTACLE, 15A, 120V, GFCI HUBBELL             |
| S1    | 1   | PSW-7813PMD          | DISCONNECT SW, 3P, w/ENCLOSURE                  |
| SL    | 1   | ALFA001              | AUTOMATED LED SERVICE LIGHT, 120V, 384LMS       |
| TB1   | 1   | TE-T24-F3-N4         | TERMINAL BLOCK ASSY                             |
| TBG   | 1   | TE-T2                | TERMINAL BLOCK ASSY                             |



**GROUNDING REFERENCE**

A Ground wire should connect the Enclosure to the Cabinet Ground Lug. The Motor Ground and Main Ground to furnished by the customer. All grounding connections should apply to Article 250 Section 250.1 - Section 250.80 in the NEC code.

**Notes:**

1. Match Gate boxes from the new Cass Street Bridge over Des Plaines River, Structure Number 099-0101 project.
2. The Contractor shall verify all dimensions in the field prior to ordering and fabrication in order to ensure proper future installation.

### BILL OF MATERIAL

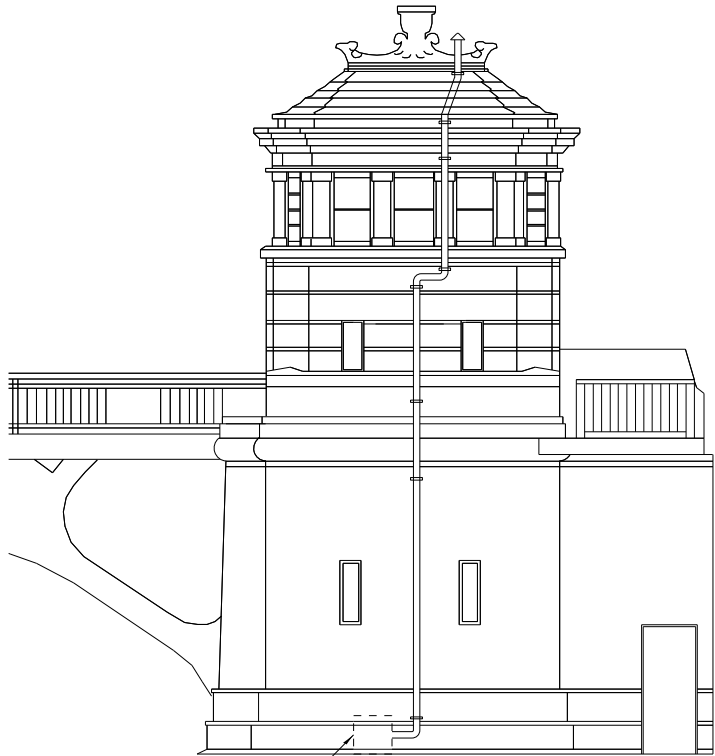
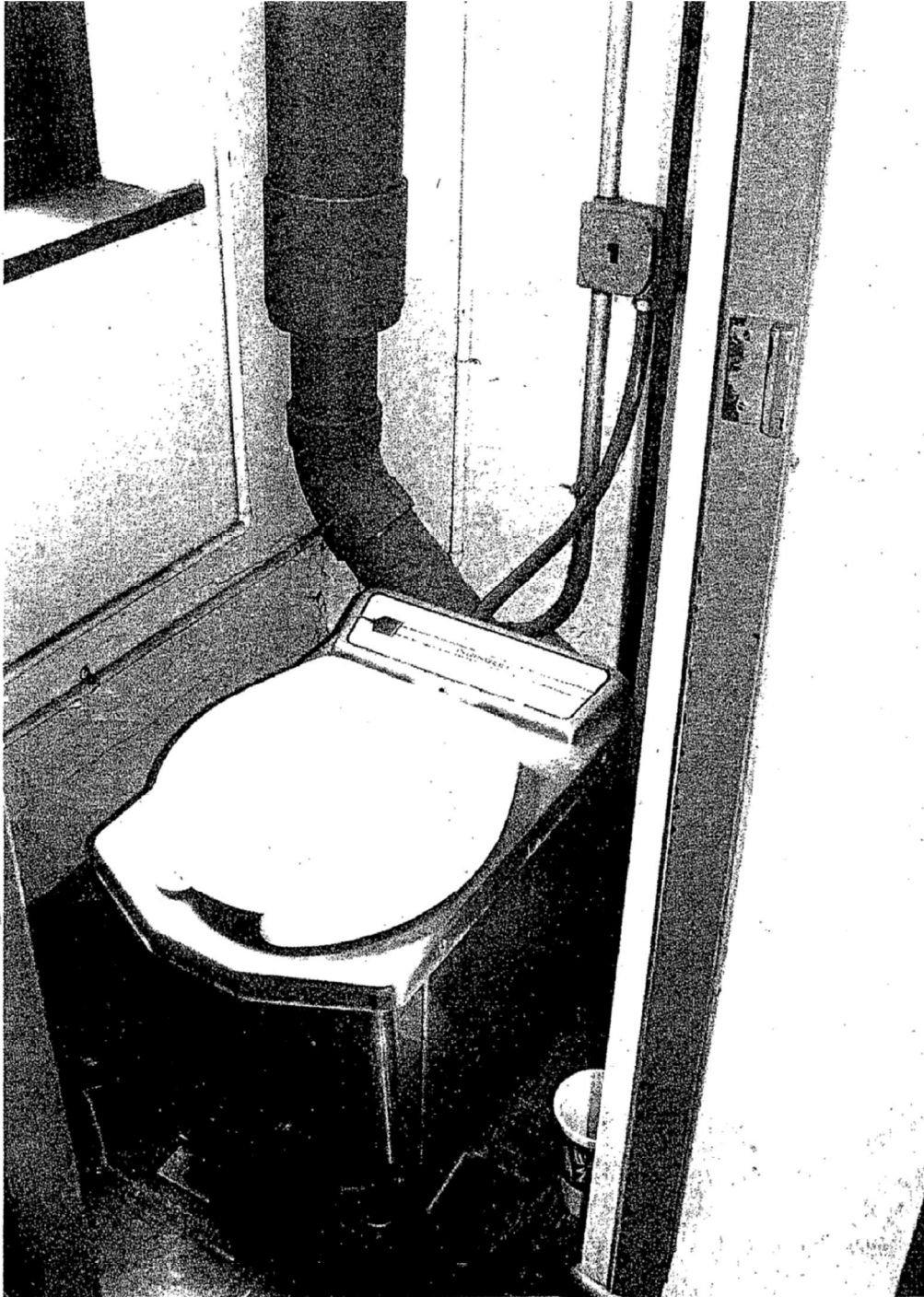
| ITEM          | UNIT | QUANTITY |
|---------------|------|----------|
| Traffic Gates | Each | 4        |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC GATES**  
**JACKSON ST. & JEFFERSON ST. ADVANCED PROCUREMENT**

SHEET 7 OF 13 SHEETS

| F.A.U. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| VAR                       | 2025-1066-I | WILL   | 13           | 7         |
| CONTRACT NO. 62Y09        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



Incinerator

**INCINERATOR TOILET VENT**

- Notes:  
The Electric Incinerating Toilet shall meet the following requirements:
- Incinolet model TR or approved equal.
  - Power: One unit shall be 120v (2000 watts) and the second unit 240v (3500 watts) model.
  - Dimensions: Approximately 15" W x 20" D x 24" H (381 mm x 508 mm x 610 mm).
  - Weight: Around 85 lbs. (34 kg).
  - Materials: Built with stainless steel for durability.
  - Ventilation: Includes a 3-inch diameter ventpipe and an internal fan for extracting combustion byproducts.
  - Odor Control: Features a platinum-type catalyst, similar to an automobile's catalytic converter, to manage smoke and odor emissions.
  - Ash Disposal: Incinerated waste is reduced to sterile ash, which can be disposed of with household garbage.
  - Operation: Pressing the button initiates a burn cycle using a heater and blower, with the unit capable of being used during this cycle.
  - Maintenance: Requires occasional cleaning of surfaces and emptying the ash pan at least weekly.
  - Installation: Uses a rubber coupling and PVC pipe to connect the vent to a wall-mounted dryer flap.
  - Liner Requirement: A paper bowl liner is needed for each use to contain waste and liquids during the burn cycle.

**BILL OF MATERIAL**

| ITEM                         | UNIT | QUANTITY |
|------------------------------|------|----------|
| Electric Incinerating Toilet | Each | 2        |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

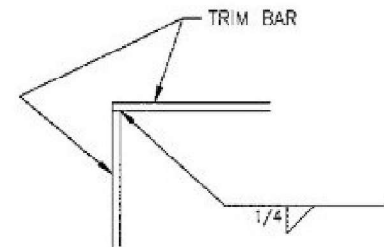
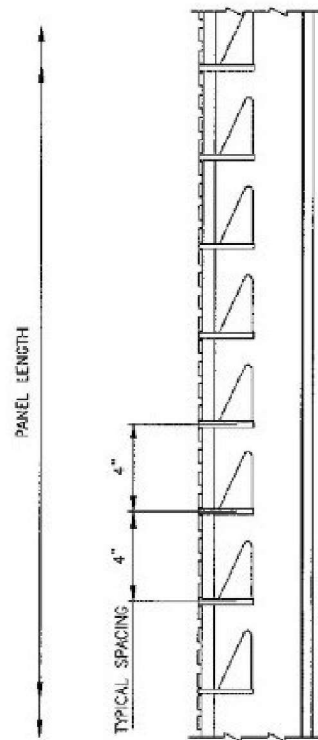
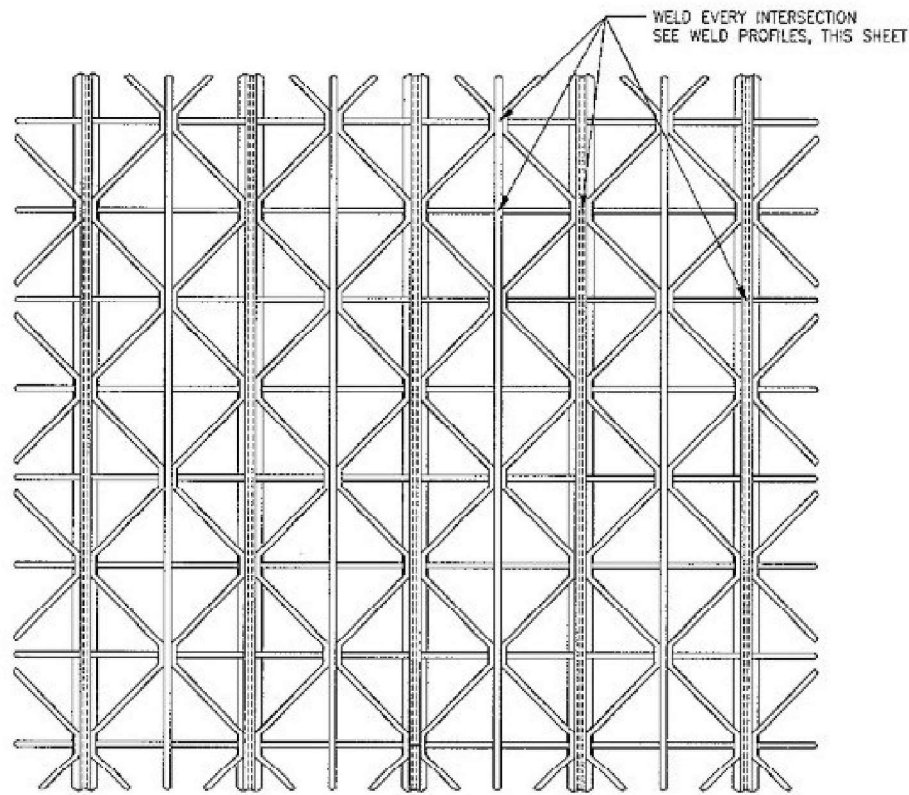
ELECTRIC INCINERATING TOILET  
JACKSON ST. & JEFFERSON ST. ADVANCED PROCUREMENT

| F.A.U.<br>RTE.     | SECTION     | COUNTY           | TOTAL<br>SHEETS | SHEET<br>NO. |
|--------------------|-------------|------------------|-----------------|--------------|
| VAR                | 2025-1066-I | WILL             | 13              | 8            |
| CONTRACT NO. 62Y09 |             |                  |                 |              |
| ILLINOIS           |             | FED. AID PROJECT |                 |              |

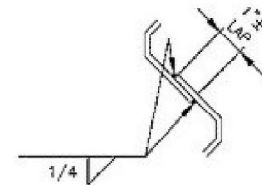
SHEET 8 OF 13 SHEETS

MODEL: Default  
FILE NAME: \\unasun\HIDData\Projects\10-IL\13933-IDOT - Jackson at Des Plaines\Work\Advanced Procurement\CADD Sheets\0990239-62\09-008-incinerating\_toilet.dgn

MODEL: Default  
FILE NAME: Unasun\HIDData\Projects\10-IL13933-IDOT - Jackson St. Des Plaines\Work\Advanced Procurement\CADD Sheets\0990239-62Y09-009-grid\_deck\_1.dgn  
10/9/2025 9:53:26 AM

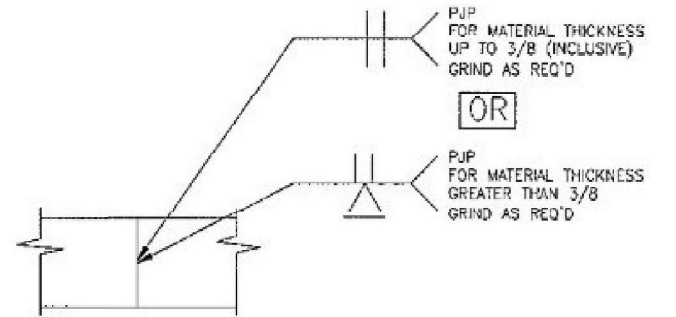


CORNER WELD DETAIL



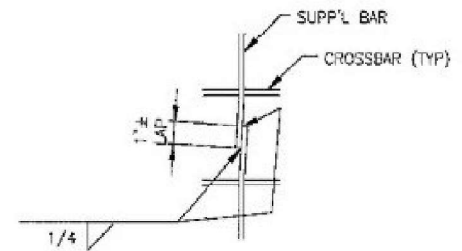
OPTIONAL DIAG. BAR  
SHOP SPLICE

MAX. 1 SPLICE PER DIAGONAL BAR  
LOCATED AT MIDPOINT +/- 3FT.



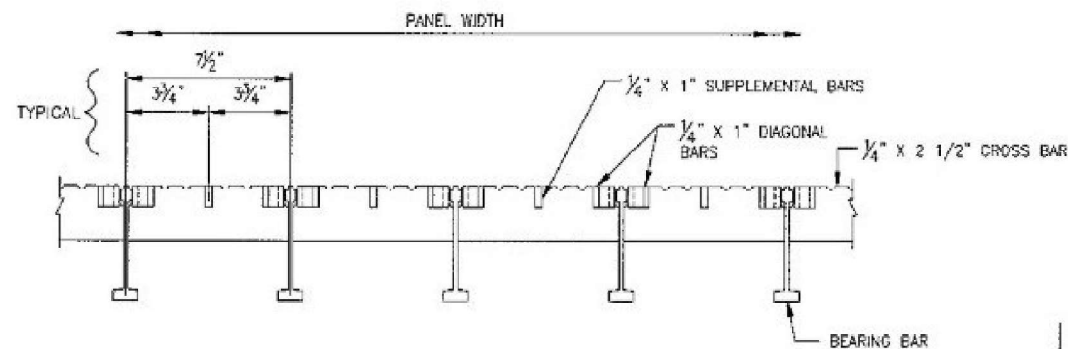
OPTIONAL SHOP SPLICE

MAX. 1 SPLICE PER BAR  
LOCATED AT MIDPOINT +/- 3FT.

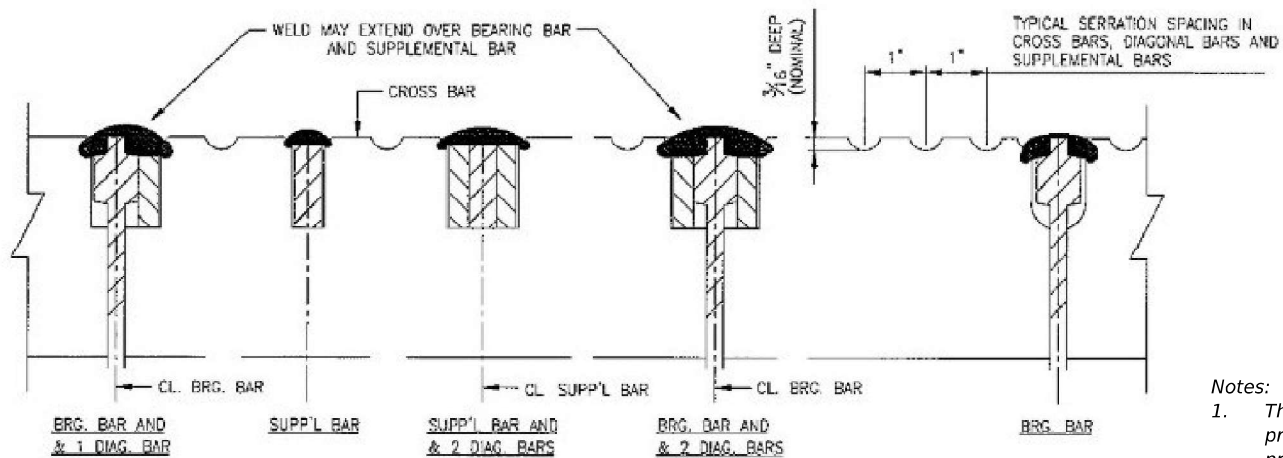


OPTIONAL SUPP'L BAR  
SHOP SPLICE

MAX. 1 SPLICE PER SUPP'L BAR  
LOCATED AT MIDPOINT +/- 3FT.



TYPICAL FLOORING DETAILS -- OPEN GRID



APPROXIMATE WELD PROFILES

- Notes:
- The Contractor shall verify all dimensions in the field prior to ordering and fabrication in order to ensure proper future installation.

BILL OF MATERIAL

| ITEM            | UNIT  | QUANTITY |
|-----------------|-------|----------|
| Steel Grid Deck | Sq Ft | 955      |

Total of 8 Panels for Ruby Street Bridge over  
Des Plaines River, Structure Number 099-9901.

(Sheet 1 of 5)

|               |                |           |
|---------------|----------------|-----------|
| USER NAME =   | DESIGNED - JNB | REVISED - |
| CHECKED - LDB | REVISIONS -    |           |
| PLOT SCALE =  | DRAWN - DR     | REVISED - |
| PLOT DATE =   | CHECKED - LDB  | REVISED - |

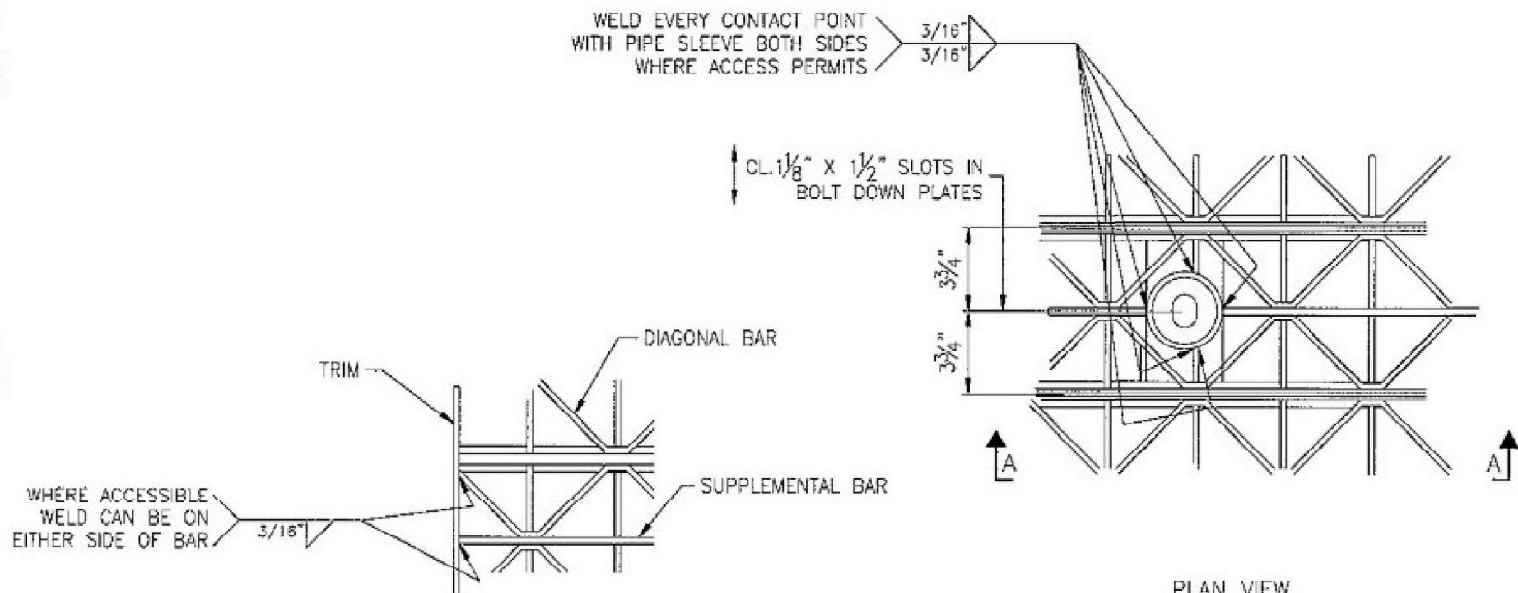
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STEEL GRID DECK DETAIL I  
JACKSON ST. & JEFFERSON ST. ADVANCED PROCUREMENT

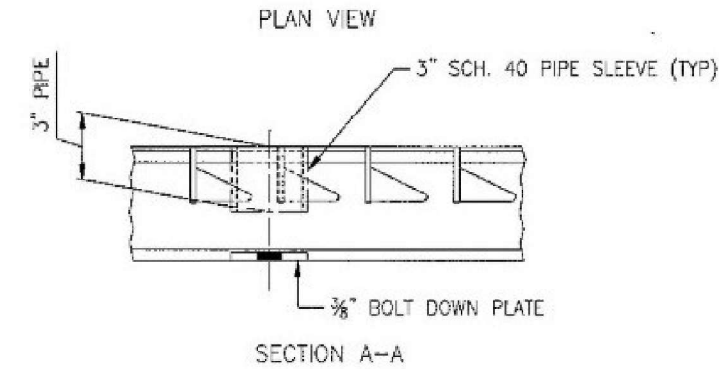
SHEET 9 OF 13 SHEETS

|                           |             |        |                 |              |
|---------------------------|-------------|--------|-----------------|--------------|
| F.A.U.<br>RTE.            | SECTION     | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| VAR                       | 2025-1066-I | WILL   | 13              | 9            |
| CONTRACT NO. 62Y09        |             |        |                 |              |
| ILLINOIS FED. AID PROJECT |             |        |                 |              |

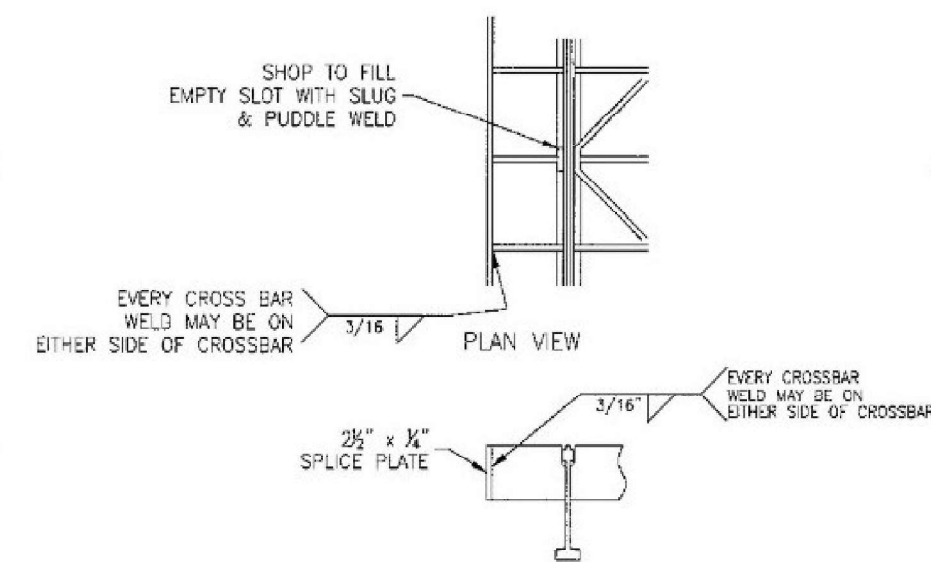
MODEL: Default  
FILE NAME: UnasunHIDData\Projects\10-IL13933-HDOT - Jackson St. & Jefferson St. Advanced Procurement\CADD Sheets\0990239-62\Y09-010-grid\_deck\_2.dgn  
10/9/2025 9:55:04 AM



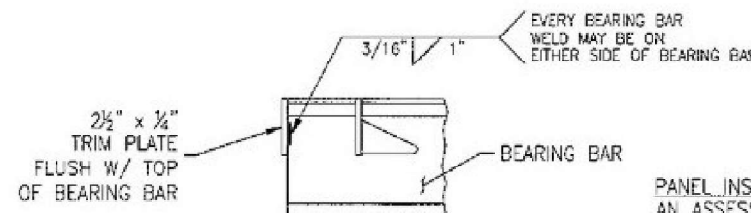
MISC. WELDS AT PANEL ENDS



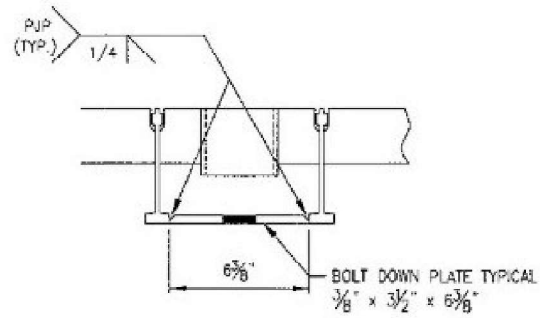
PIPE SLEEVE WELD DETAIL @ INTERIOR STRINGERS



SECTION VIEW  
SIDE TRIM WELD DETAIL

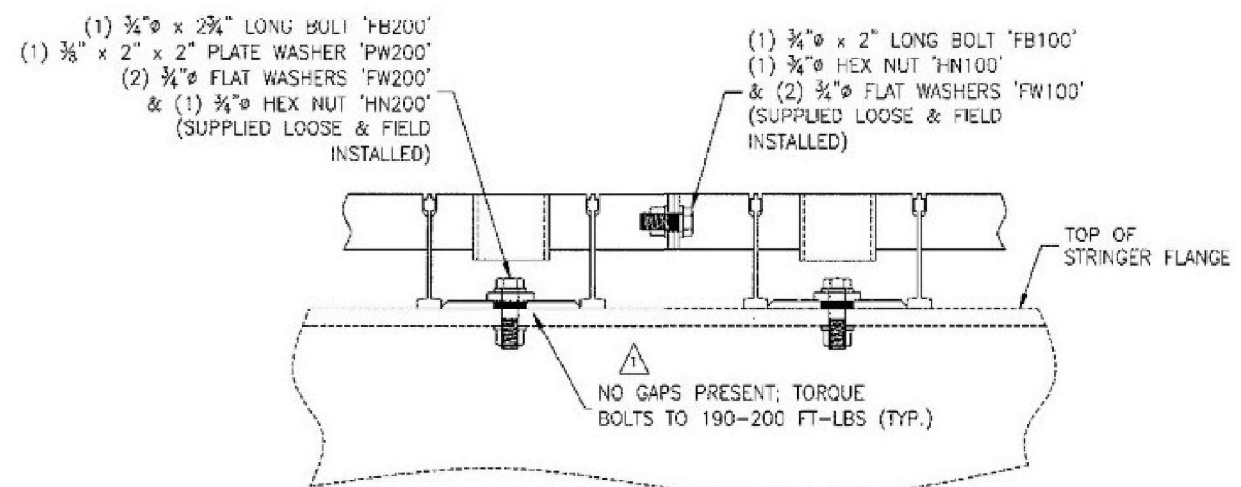


END TRIM WELD DETAIL



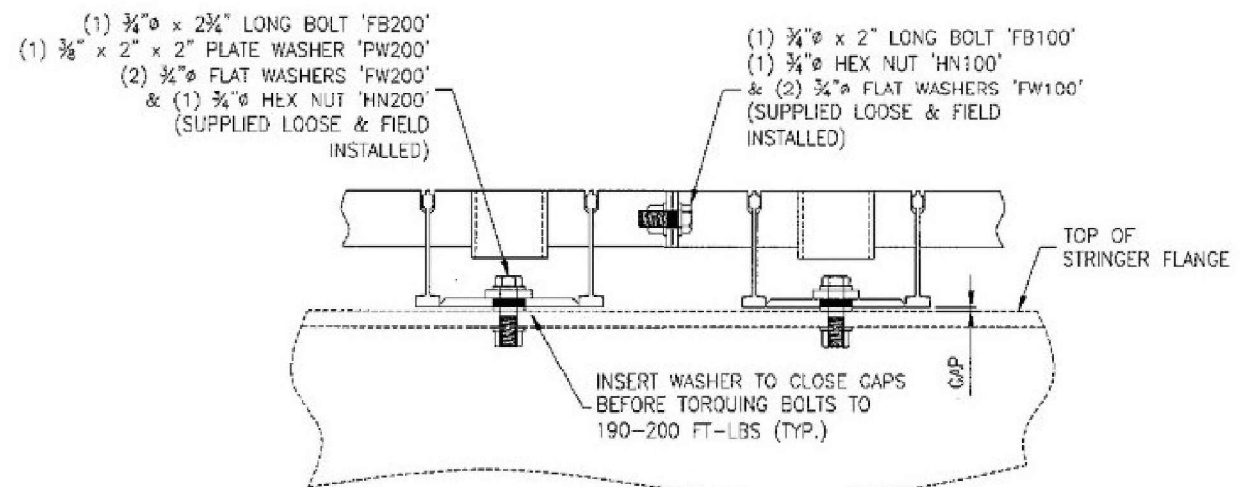
TYPICAL BOLT DOWN PLATE WELD DETAIL

**PANEL INSTALLATION NOTE:**  
AN ASSESSMENT OF THE DISTORTION OF EACH GRID DECK PANEL SHALL BE MADE ON A FLAT SURFACE TO NOTE WHICH HOLD DOWN PLATES MAY NEED WASHERS TO CLOSE ANY GAPS BETWEEN THE DECK AND STRINGERS. AFTER THE GRID IS PLACED ON THE STRINGERS, LEVELING AND FITTING OF PANELS SHALL BE DETERMINED BY MEASURING THE GAPS BETWEEN THE STRINGERS AND THE BOLT HEAD WASHER PLATES. IF THERE IS NO GAP, THE 3/4" ASTM A325 GALVANIZED BOLT SHALL BE TORQUED TO 190-200 FT-LBS. IF THERE IS A GAP, A GALVANIZED WASHER SHALL BE INSERTED TO CLOSE THE GAP IN ACCORD WITH THE GRID BOLT DOWN ASSEMBLY DRAWING. THE 3/4" A325 BOLT SHALL THEN BE TORQUED TO 190-200 FT-LBS. THE GALVANIZED WASHER SHOULD BE HARDENED TO AT LEAST 255 BRINELL OR 26 ROCKWELL C TO MATCH THE HARDNESS OF AN ASTM A563 GRADE DH OR DH3 GALVANIZED NUT.



GAPS NOT PRESENT

GRID BOLT DOWN ASSEMBLY  
FIELD INSTALLED MATERIAL



GAPS PRESENT

GRID BOLT DOWN ASSEMBLY  
FIELD INSTALLED MATERIAL

|               |                |           |
|---------------|----------------|-----------|
| USER NAME =   | DESIGNED - JNB | REVISED - |
| CHECKED - LDB | REVISED -      |           |
| PLOT SCALE =  | DRAWN - DR     | REVISED - |
| PLOT DATE =   | CHECKED - LDB  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STEEL GRID DECK DETAIL II  
JACKSON ST. & JEFFERSON ST. ADVANCED PROCUREMENT

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.U. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR                       | 2025-1066-I | WILL   | 13           | 10        |
| CONTRACT NO. 62Y09        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |





