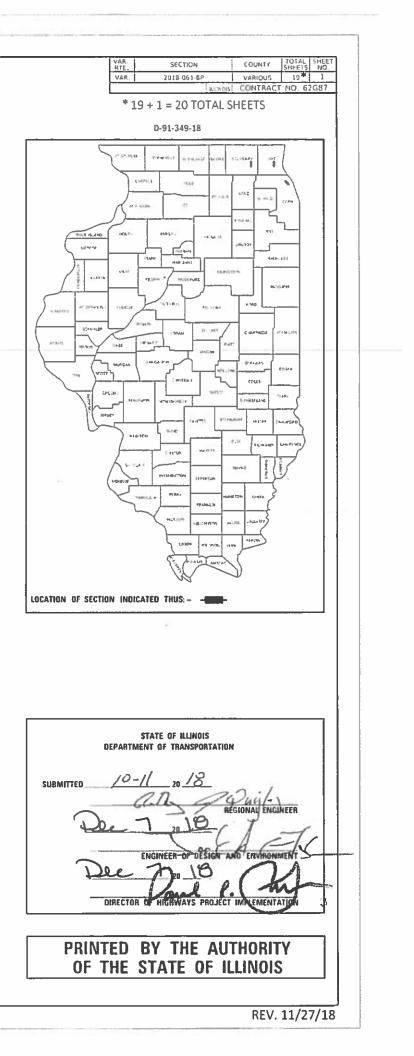
| 01-18-2019   | D LETTING ITEM 097  | STATE OF ILLINOIS                         |
|--|---|---|
|  |   | <b>DEPARTMENT OF TRANSPORTATION</b>       |
|  |   |   |
| FOR INDEX  | OF SHEETS, SEE SHEET NO. 2  | PROPOSED                                  |
|  |   | <b>HIGHWAY PLANS</b>                      |
|  |   | ROUTE: VARIOUS                            |
|  |   | LOCATION: VARIOUS<br>SECTION: 2018–061–BP |
|  |   | PROJECT: NHPP-STP-RC1X(895)               |
|  |   | BRIDGE PAINTING                           |
|  |   | LAKE, MCHENRY, & COOK COUNTIE             |
|  |   | C-91-274-18                               |
|  |   |   |
|  | $\begin{array}{cccccccccccccccccccccccccccccccccccc$  | FOR LOCATIONS SEE SHEET NO. 4             |
| ENGINEERING SC<br>Conform to st                          | 100"<br>HAVE BEEN PREPARED USING STANDARD<br>ALES. REDUCED SIZED PLANS WILL NOT<br>IANDARD SCALES. IN MAKING MEASUREMENTS<br>ANS, THE ABOVE SCALES MAY BE USED. |   |
| J.U.L.1.E.<br>JOINT UTHITY L<br>1-800-892-0123<br>OR 811 | OCATION INFORMATION FOR EXCAVATION  |   |
|  | NGINEER: J. ALAIN MIDY (847) 221–3056<br>IANAGER: FAWAD AQUEEL (847)705–4247  |   |
|  |   |   |



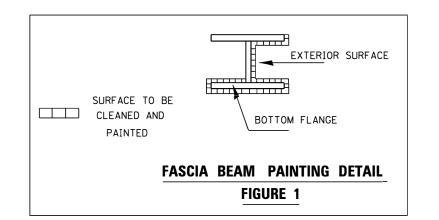
# **INDEX OF SHEETS**

1. TITLE SHEET

- 2 INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
- **3** SUMMARY OF QUANTITIES
- 4 LOCATION MAPS
- 5-8 EXISTING BRIDGE PLANS (SN 016-0289)
- 9-12 EXISTING BRIDGE PLANS (SN 049-0170)
- 13-16A EXISTING BRIDGE PLANS (SN 056-0040)
  - 17 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
  - TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN) OPEN TO TRAFFIC (TC-14) 18
  - 19 ARTERIAL ROAD INFORMATION SIGN (TC-22)

# **STATE STANDARDS**

| <b>STANDARD NO.</b><br>701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24''  | BEFORE ST.<br>892-0123 C<br>UTILITIES.         |
|----------------------------------|--|--|
| 701411-09                        | FROM PAVEMENT EDGE   | THE CONTR<br>COMPANIES,                        |
| 701421-08                        | ENTRANCE OR EXIT RAMP, FOR SPEEDS >=45 MPH<br>LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR<br>SPEEDS = 45 MPH TO 55 MPH | PLAN DIMEN<br>CONSTRUCT<br>DIMENSIONS          |
| 701426-09                        | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER<br>FOR SPEEDS = 45 MPH   | APPROVED<br>VARIATIONS<br>SCOPE OF<br>ACTUALLY |
| 701427-05                        | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER<br>FOR SPEEDS = 40 MPH   | THE CONTR<br>STATE PRO                         |
| 701502-09                        | URBAN LANE CLOSURE, MULTILANE. 2L, 2W, WITH<br>BIDIRECTIONAL LEFT TURN LANE  | THE CONTR<br>(847)705-44<br>WORK.              |
| 701601-09                        | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH<br>NONTRAVERSABLE MEDIAN  | THE CONTR<br>ALL TIMES                         |
| 701701-10                        | URBAN LANE CLOSURE, MULTILANE INTERSECTION   | WHEN ARTIF<br>SHALL EXEF                       |
| 701801-06                        | SIDEWALK, CORNER OR CROSSWALK CLOSURE  | MOTORING                                       |
| 701901-08                        | TRAFFIC CONTROL DEVICES  | THE CONTR<br>ABUTMENTS                         |
|                                  |  | DO NOT SC                                      |



NO 2. 5YR 3/4.

| USER NAME = hassann           | DESIGNED - | REVISED - |                              |        | INDEX OF   | SHEETS | STATE S |
|-------------------------------|------------|-----------|------------------------------|--------|------------|--------|---------|
|                               | DRAWN -    | REVISED - | STATE OF ILLINOIS            | CE     | -          |        | GENERAL |
| PLOT SCALE = 100.0000 ' / in. | CHECKED -  | REVISED - | DEPARTMENT OF TRANSPORTATION | GE     | NERAL NUTE | S AND  | GENERAL |
| PLOT DATE = 11/9/2018         | DATE -     | REVISED - |                              | SCALE: | SHEET      | OF     | SHEETS  |

# **GENERAL NOTES**

TARTING ANY EXCAVATION. THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS . 48 HOUR NOTIFICATION IS REQUIRED.

RACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY S, VILLAGE OF LIBERTYVILLE, CRYSTAL LAKE, AND EVANSTON.

ENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL TION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING NS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH NS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.

RACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON OPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

RACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 4470 FOR ARTERIALS A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING

RACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT S DURING THE CONSTRUCTION OF THIS PROJECT.

IFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR ERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE PUBLIC AND ADJACENT RESIDENTIAL AREAS.

RACTOR SHALL TAKE NECESSARY PRECAUTIONS WHEN WORKING NEAR THE S DUE TO ELECTRICAL JUNCTIONS BOXES AND ATTACHED CONDUITS.

SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

## **GENERAL PAINT NOTES**

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".

ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS AND DECK DRAINS) ATTACHED TO OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.

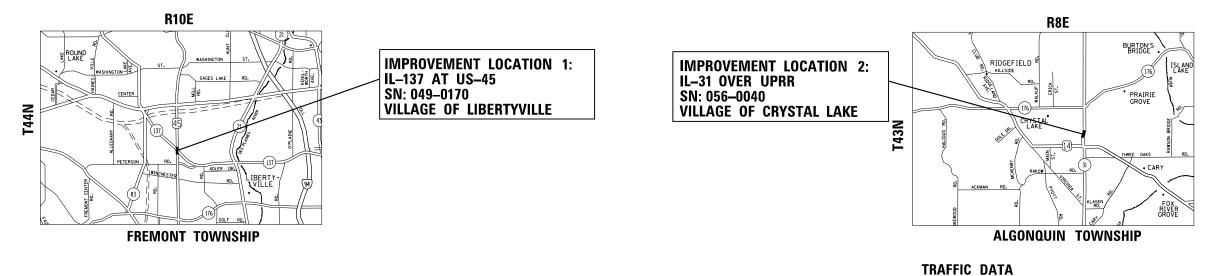
ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL WITHIN FIVE (5) FT, (MEASURED ALONG THE BEAM) OF EITHER SIDE OF ALL DECK JOINTS, AS WELL AS EXISTING FENCE POSTS ALONG EAST PARAPET AT LOCATION NO. 3 SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THE EXTERIOR SURFACES AND TOP AND BOTTOM OF THE BOTTOM FLANGE OF THE FASCIA BEAMS (SEE FIGURE 1) SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

THESE AREAS AS WELL AS NEW CHAIN LINK FABRIC ON LOCATION NO. 3, SHALL BE PAINTED ACCORDING TO THE REGUIREMENTS OF PAINT SYSTEM 1 -OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL

| S              | STANDARDS |         |        | VAR. SECTION |          |         | COUNTY    | TOTAL<br>SHEETS | SHEET<br>NO. |
|----------------|-----------|---------|--------|--------------|----------|---------|-----------|-----------------|--------------|
| AL PAINT NOTES |           | VAR.    | 2018-0 | 61-BP        |          | VARIOUS | 19        | 2               |              |
|                |           |         |        |              |          |         | CONTRACT  | NO. 62          | 2G87         |
| s              | STA.      | TO STA. |        |              | ILLINOIS | FED. AI | D PROJECT |                 |              |

| Reference   |             | SUMMARY OF QUANTITIES  |   |                              |  | CC  | NSTRUCTI   | ON TYPE C | ODE |         | SUMMA | JMMARY OF QUANTITIES |                |  |
|---|-------------|--|---|------------------------------|--|---|--|-----------|-----|---------|-------|----------------------|----------------|--|
| NEMON       Control Prior   | CODE NO     |  | UNIT  | URBAN<br>TOTAL<br>QUANTITIES | LAKE<br>0044<br>BRIDGE 1<br>SN<br>049-0170<br>80% FED<br>20% STATE | MCHENRY<br>0044<br>BRIDGE 2<br>SN<br>056-0040<br>80% FED<br>20% STATE | 0044<br>BRIDGE 3<br>SN<br>016-0289<br>80% FED<br>20% STATE |           |     | CODE NO |       |                      | UNI            |  |
| image: standard state into a state intea state intea state intermine into a state into a state into a st   | 67000400    | ENGINEER'S FIELD OFFICE, TYPE A                                      | CAL MO                                      |                              |  |   |  |           |     |         |       |                      |                |  |
| $ \begin{aligned}     \text{MODULE} & \text{Subgets } \nabla_1 + 2 \text{ and } = 0 & \text{Constants} & Constant$ | 67100100    | MOBILIZATION   | L SUM                                       | 1                            | 0.33   | 0.33  | 0.34   |           |     |         |       |                      |                |  |
|   | 70100310    | TRAFFIC CONTROL AND PROTECTION.<br>STANDARD 701421                   | L SUM                                       | 1                            | 0.5  | 0.5   |  |           |     |         |       |                      |                |  |
| 01002400     5xmAppe 701601     L     L     N     0.5     0.5     V     N   | 70102622    |  | L SUM                                       | 1                            | 0.5  |   | 0.5  |           |     |         |       |                      |                |  |
| 0100263       STANDARD TO   | 70102630    |  | L SUM                                       | 1                            | 0.5  | 0.5   |  |           |     |         |       |                      |                |  |
| VIDUM STANDARD TO LIGOL I SAND I <t< td=""><td>70102635</td><td></td><td>L SUM</td><td>1</td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>  | 70102635    |  | L SUM                                       | 1                            |  |   | 1  |           |     |         |       |                      |                |  |
| 2001112 CLEANING RESIDUES LSM 1 0 1 0 <   | 70102640    |  | L SUM                                       | 1                            |  |   | 1  |           |     |         |       |                      |                |  |
| Image: state  | Z0007112    |  | L SUM                                       | 1                            |  | 1   |  |           |     |         |       |                      |                |  |
| Z00990     CHAIN LINK FABRIC, TYFE 1, 4-0°     FOOT     150     1     150     1   | Z0007114    | CONTAINMENT AND DISPOSAL OF NON-LEAD                                 | L SUM                                       | 1                            | 0.5  |   | 0.5  |           |     |         |       |                      |                |  |
| $ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$  | Z0009900    |  | FOOT  | 150                          |  |   | 150  |           |     |         |       |                      |                |  |
| $ \left  \begin{array}{c c c c c c c c c c c c c c c c c c c $  | Z0010501    | CLEANING AND PAINTING STEEL BRIDGE NO. 1                             | L SUM                                       | 1                            | 1  |   |  |           |     |         |       |                      |                |  |
| $ \left  \begin{array}{c c c c c c c c c c c c c c c c c c c $  | Z0010502    | CLEANING AND PAINTING STEEL BRIDGE NO. 2                             | L SUM                                       | 1                            |  | 1   |  |           |     |         |       |                      |                |  |
| Image: Image  | Z0010503    | CLEANING AND PAINTING STEEL BRIDGE NO. 3                             | L SUM                                       | 1                            |  |   | 1  |           |     |         |       |                      |                |  |
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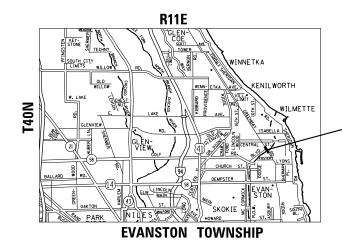
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| JANTI<br>STA. |                     | D STA.                 |                      | AD DIST. NO. 1 IL |  | CONTRACT I |                                  |  |  |



## TRAFFIC DATA

2017 ADT = 13,700 (IL-137) POSTED SPEED LIMIT = 55 MPH (IL-137)

2017 ADT = 28,700 (US-45) POSTED SPEED LIMIT = 45 MPH (US-45)



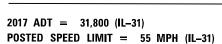
IMPROVEMENT LOCATION 3: GREENBAY ROAD AT N. SHORE CHANNEL SN: 016–0289 VILLAGE OF EVANSTON

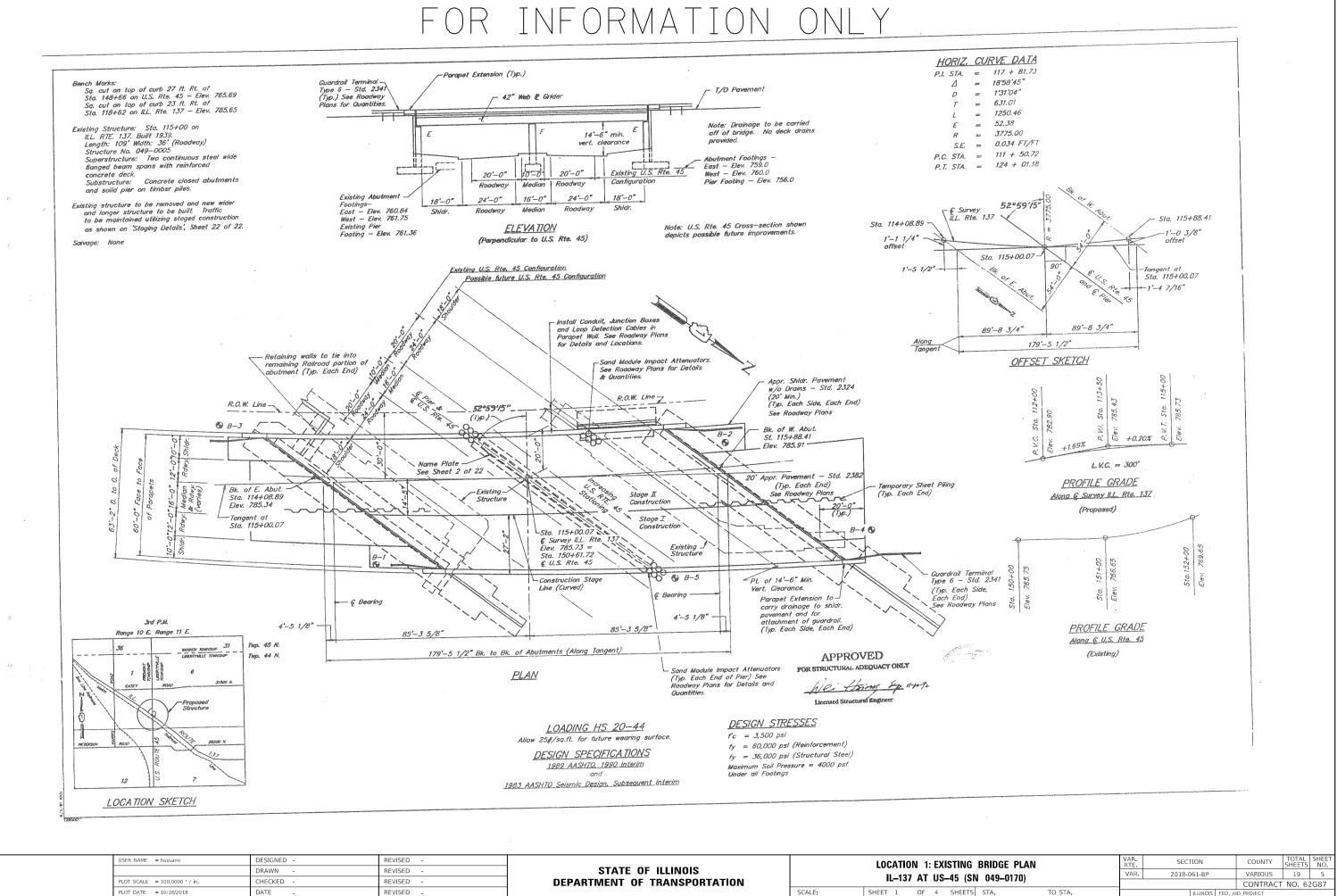
# TRAFFIC DATA

2014 ADT = 20,500 POSTED SPEED LIMIT = 30 MPH

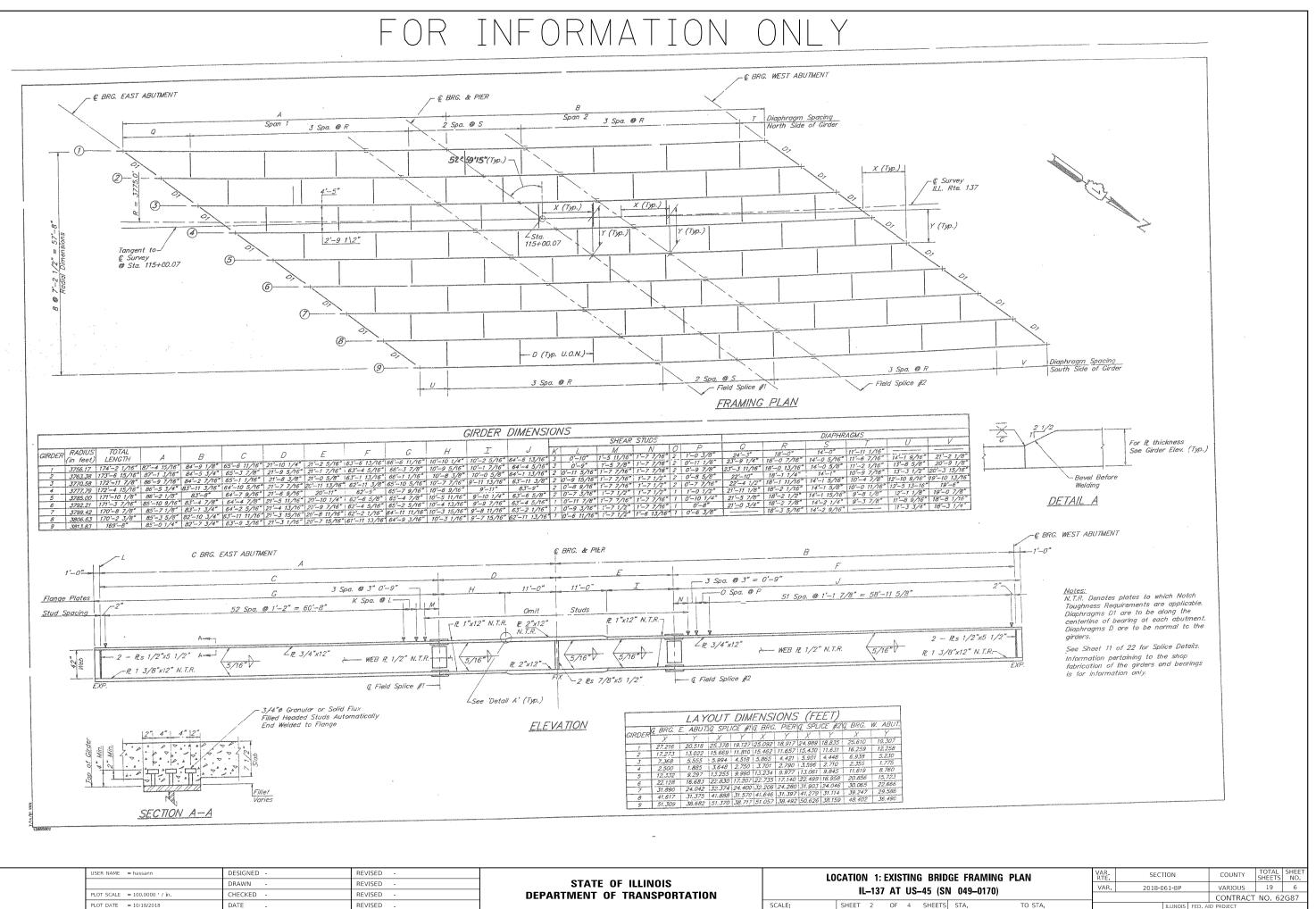
| USER NAME = hassann         | DESIGNED - | REVISED - |                              |        |       |    |             |         | VAR. | SECTION      | COUNTY      | TOTAL SHEET |
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| PLOT DATE = 10/18/2018      | DATE -     | REVISED - |                              | SCALE: | SHEET | OF | SHEETS STA. | TO STA. |      | ILLINOIS FED | AID PROJECT |             |





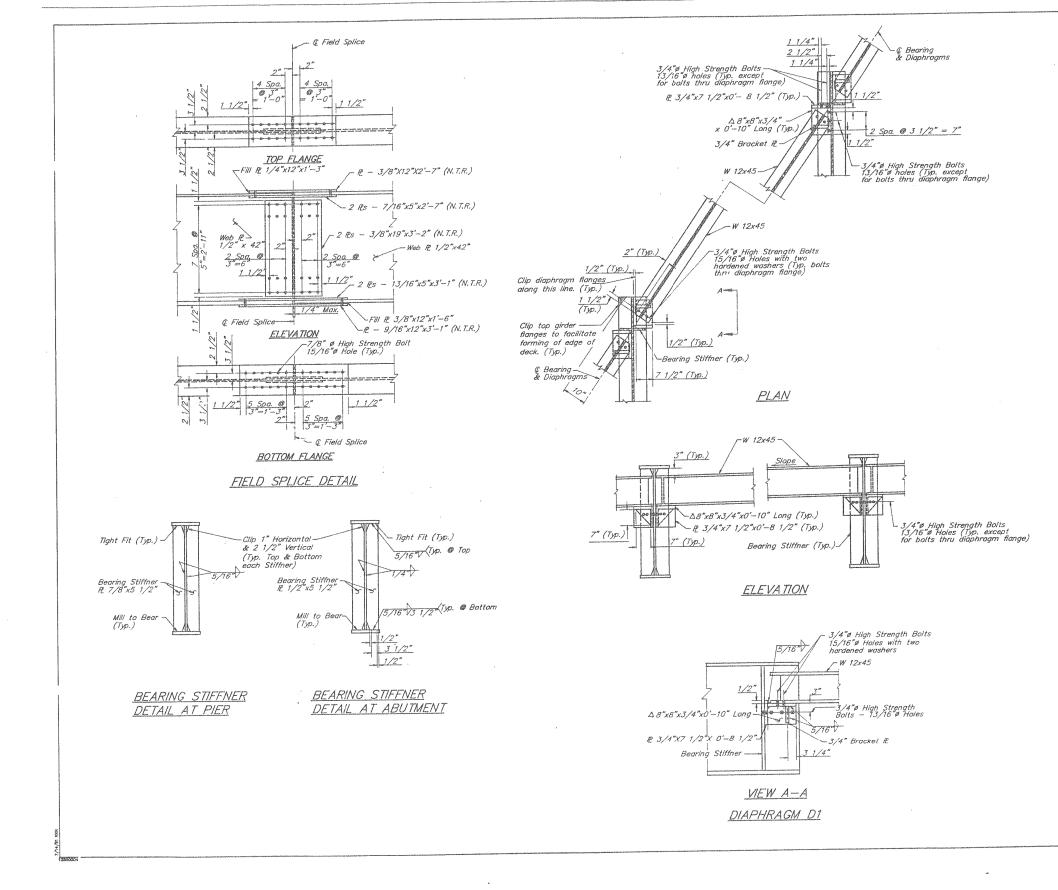


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| USER NAME = hassann           | DESIGNED - | REVISED - |                              | 10     | CATION 1: | FYICT | ING B |       |
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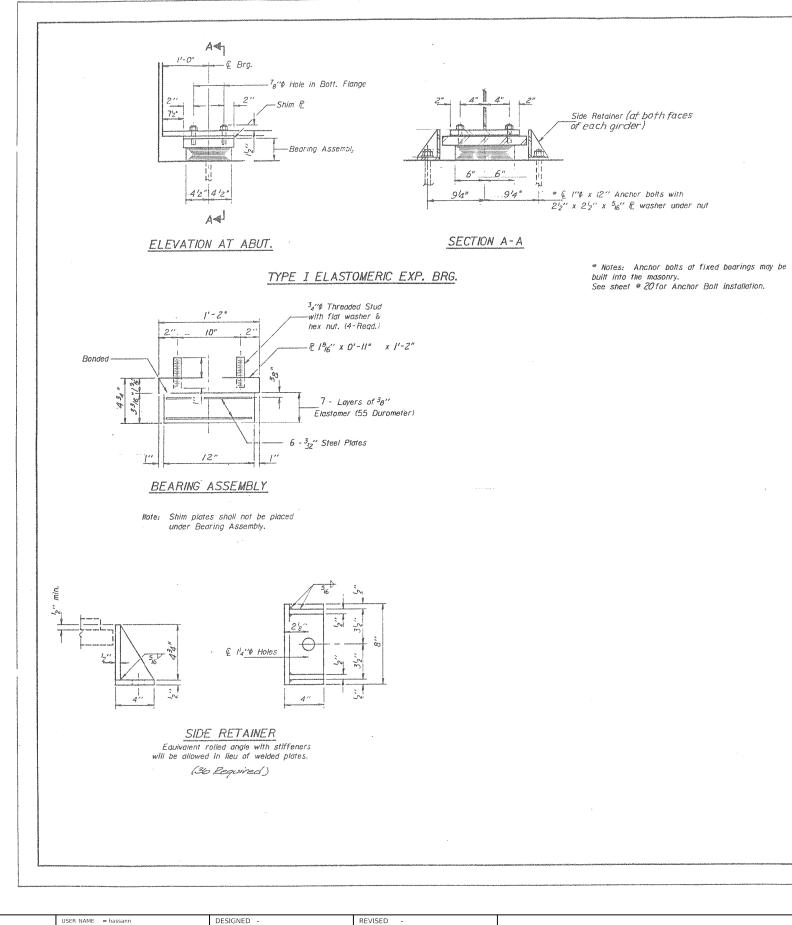


| USER NAME = hassann           | DESIGNED - | REVISED - |                              | LOCATION 1: EXISTING BRIDGE CROSS SECTIO |                  | SECTION | AND DETAILS | VAR.<br>RTE. | SECTION | COUNTY       | TOTAL SHEET<br>SHEETS NO. |              |
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|                               | DRAWN -    | REVISED - | STATE OF ILLINOIS            |  | IL–137 AT US–45  |         |             |              | VAR.    | 2018-061-BP  | VARIOUS                   | 19 7         |
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| PLOT DATE = 10/18/2018        | DATE -     | REVISED - |                              | SCALE:                                   | SHEET 3 OF 4 SHE | EETS ST | TA.         | TO STA.      |         | ILLINOIS FEI | AID PROJECT               |              |

# FOR INFORMATION ONLY

STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 



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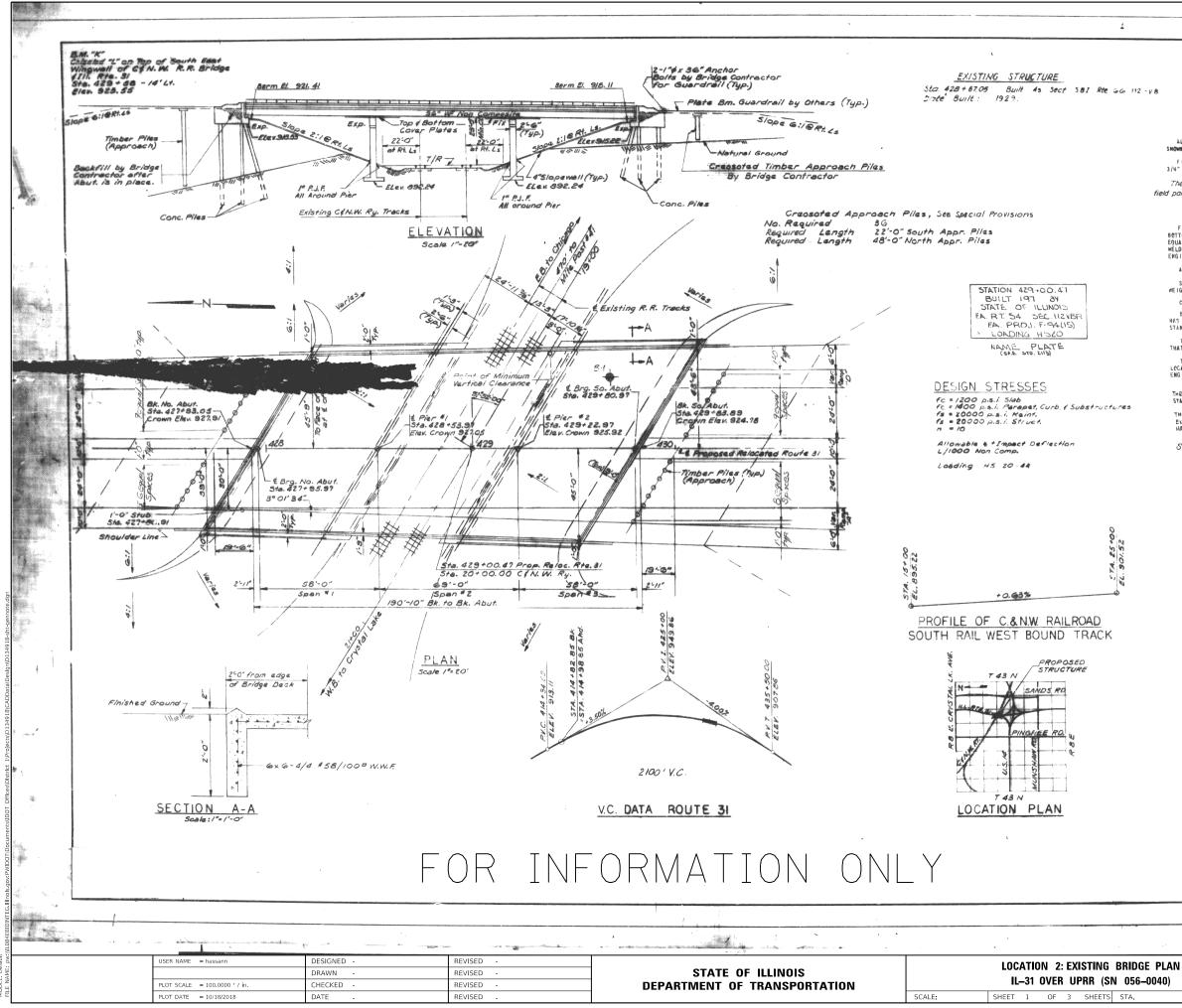
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|   | LOCATION 1: EXISTING BRIDG | E BEARING DETAILS                        | VAR.<br>RTE | SECTION         | COUNTY     | TOTAL<br>SHEETS | SHEET<br>NO. |
|   | IL–137 AT US–45 (SI        | N 0/9_0170)                              | VAR.        | 2018-061-BP     | VARIOUS    | 19              | 8            |
|   | IE-137 AT 03-43 (3)        | 1 045-0170)                              |             |                 | CONTRACT   | NO. 62          | G87          |
|   | SCALE: SHEET 4 OF 4 SHEETS | STA. TO STA.                             |             | ILLINOIS FED. A | ID PROJECT |                 |              |
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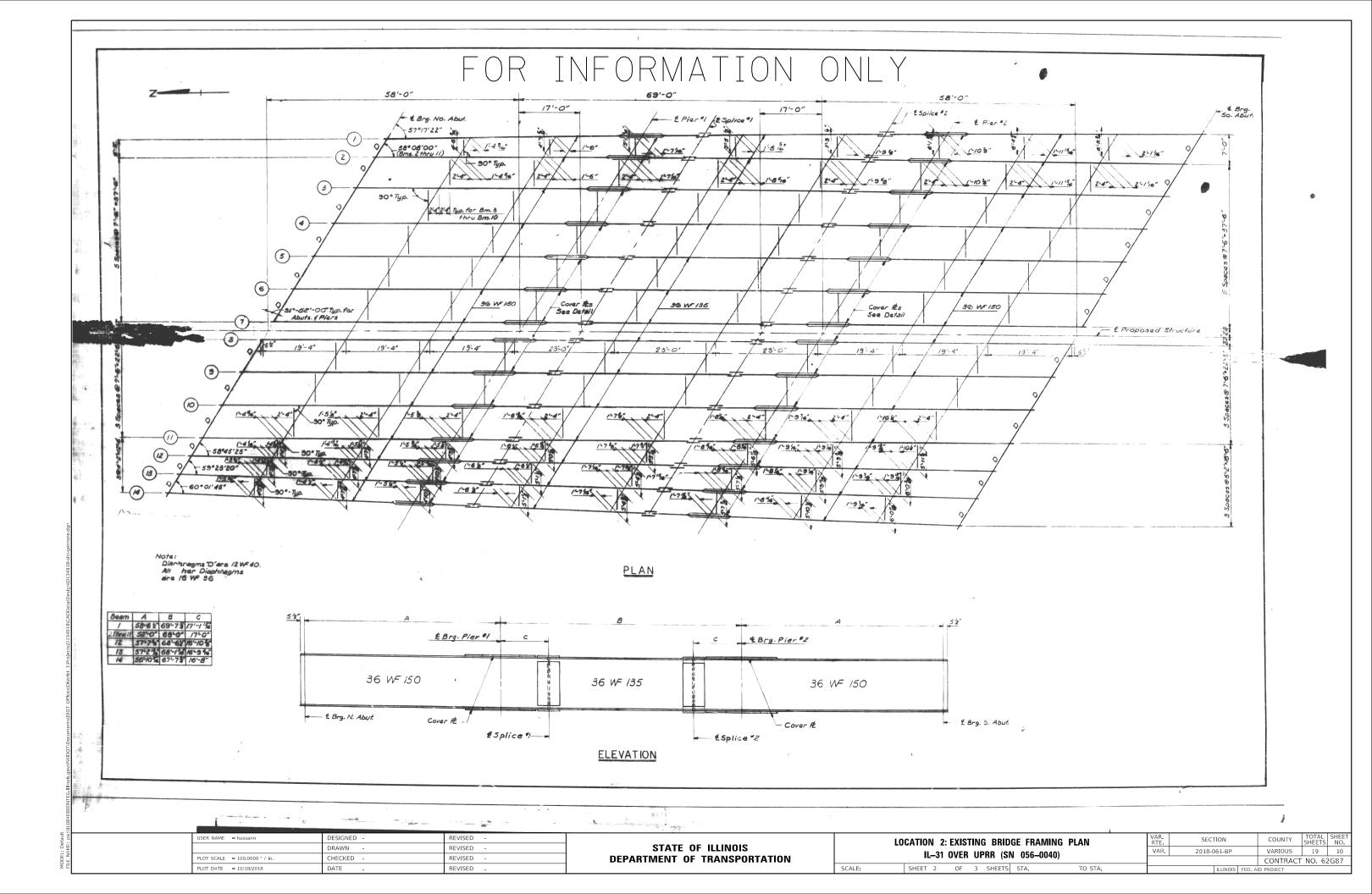


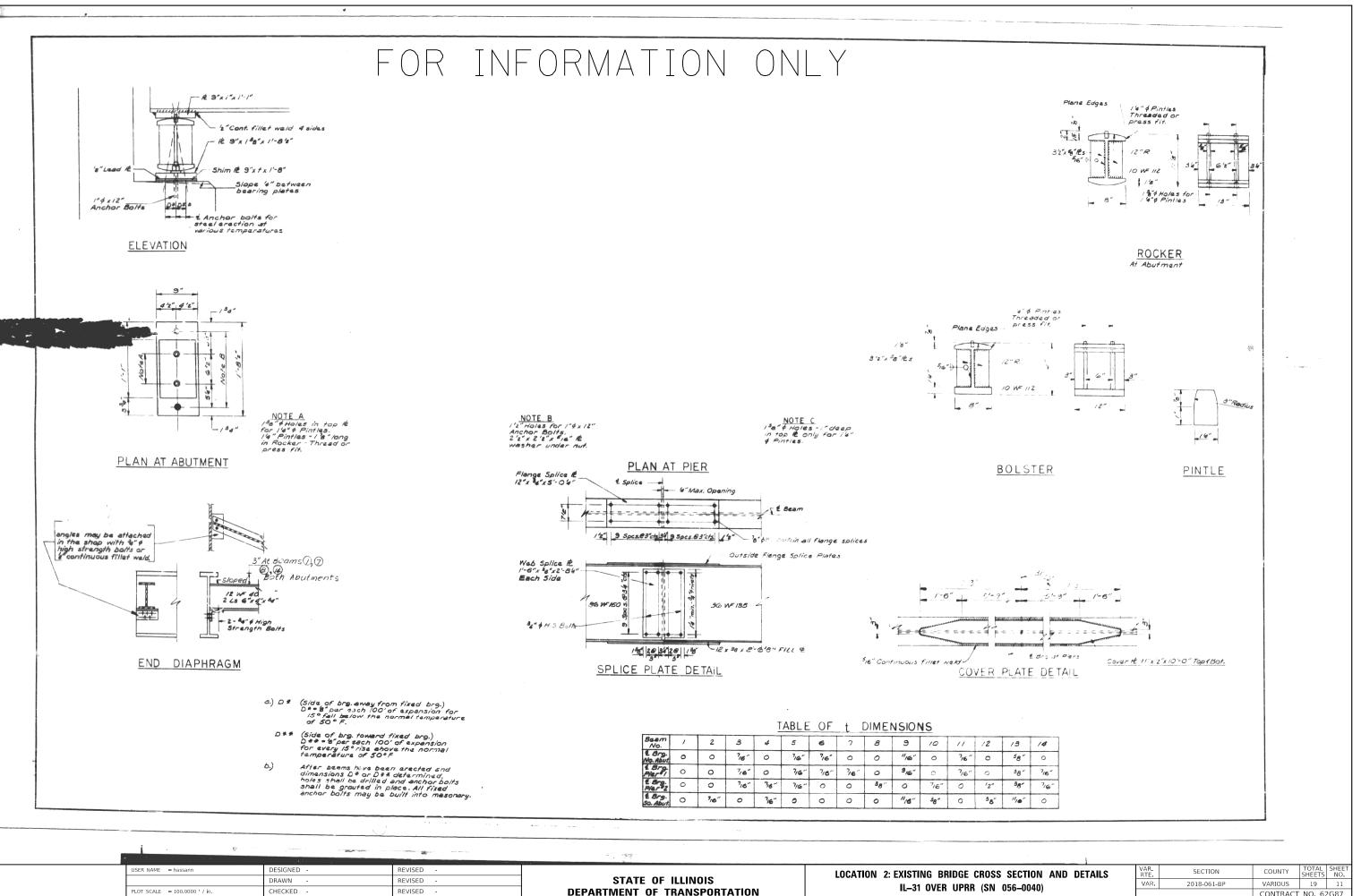
1 37 Mc Henry 91 54 the part pro -94(15) GENERAL NOTES ALL REINFORCEMENT BARS SHALL BE LAPPED 24 DIAMETERS UNLESS OTHERWISE SHOWN. FIELD CONNECTIONS SHALL BE BOLTED USING HIGH STRENGTH BCLTS. BOLTS 3/4" \$. OPEN HOLES 13/16" \$. UNLESS OTHERWISE NOTED. The Basic Lead Silico Chromate paint system shall be used for shop and field painting of structural steel. FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BUPPERMITTED IN THE BOTTOM OF FLANGE OF BEAMS OR GIRDERS NOR ON THE TOP FLANGE FOR A DISTANCE EQUALTO ONE-FOURTH THE SPAN LINESH LACH NAY FROM THE PIELS SUPPORTS. FJELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE DEVELOPED ENGINEER. ANCHOR BOITS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC 6"  $\times$  6" MESH. WEIGHING 58% PER IOO SQ.FT. CLASS & EXCAVATION FOR STRUCTURES INCLUDES EXCAVATION FOR SLOPE WALL BACKFILL SHALL BE PLACED BENIND THE ABUTMENT AFTER THE SHOPENSTRUCTURE MAS GFEN POURED AND THE FALSEWORK FEMOVED. SEE ANTICLE 502.11 OF THE STARMARD SPECIFICATIONS. E EMBANKMENT COME (GURATION SHALL BE THE MUNIMUM EMBANSMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS. THE CONTRACTOR SKALL DRIVE TWO CONCRETE TEUT PILES IN A **MERMANENT** Location, dhe each at the North and South Abutments as **Directed by** the Engineer before ordering the remainder of the Piles. CONCRETE PILES AT ABUTMENTS SMALL & DRIVEN IN HOLES PRECORED THROUGH THE EMBANEMENT IN ACCORDANCE WITH TRT. JIS.09 (C) OF THE STANDARD SPECIFICATIONS. THE CONCRETE RAIL SECTION ABOVE THE MANDATORY CONST. JOINT AT THE TOP OF THE SLAB SHALL BE CONSTRUCTED OF CLASS X CONC., EXCEPT THE ACGREGATES SHALL ONFORM TO THE REQUIREMENTS OF HANDRANE CONCRETE. The calculated plan weight of structural Steel = 462,650 16:

 
 VAR. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS

 SN 056-0040)
 VAR
 2018-061-BP
 VARIOUS
 19
 9

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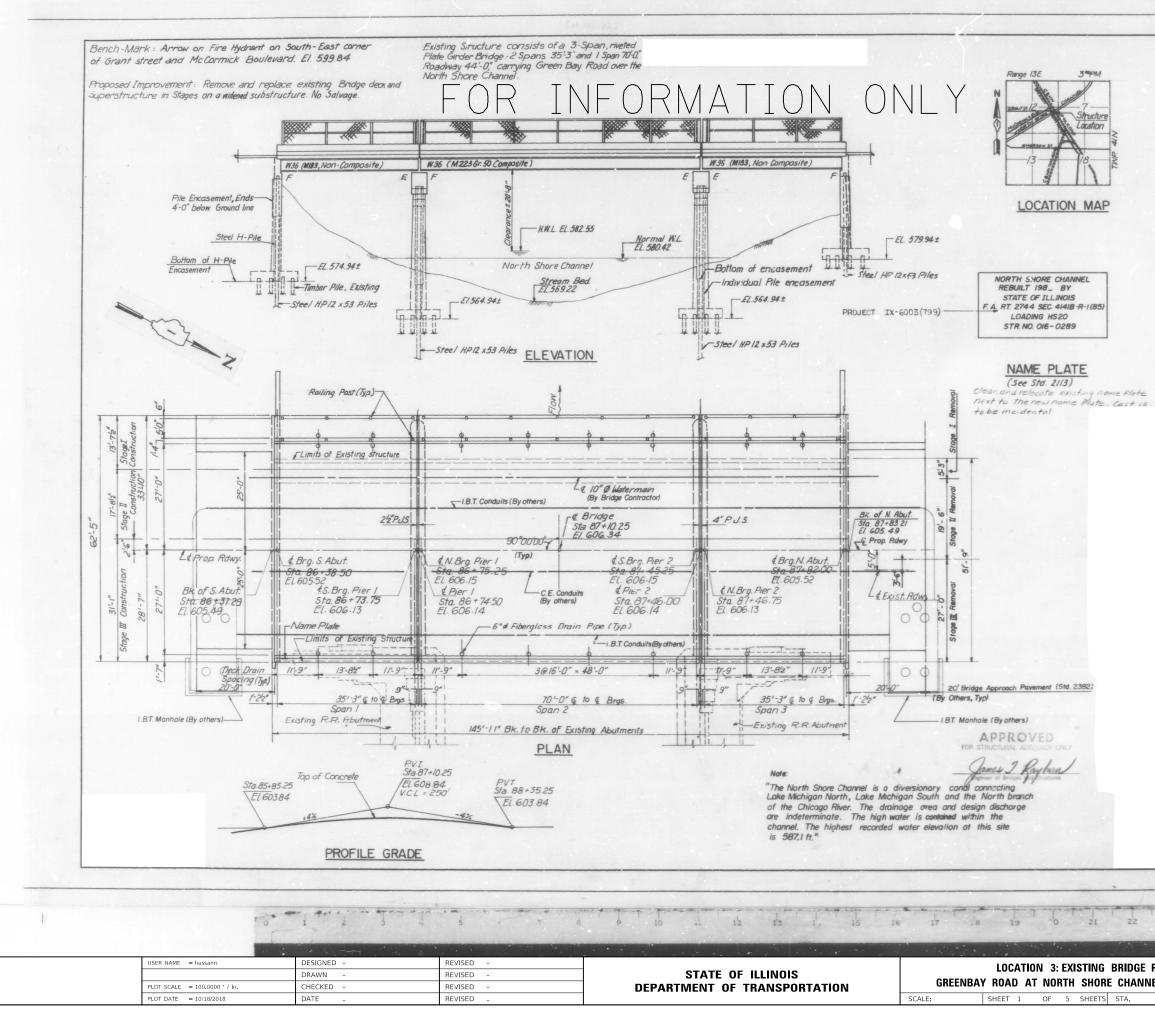
SHEET 3 OF 3 SHEET SCALE:

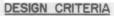
PLOT DATE = 10/18/2018

DATE

REVISED

| AL SHEET |
|----------|
| TS NO.   |
| 11       |
| 62G87    |
|          |
| 9        |





DESIGN SPECIFICATIONS: A.A.S.H.T.D. 1983 Standard Specifications for Highway Bridges, 1984 thru 1987 Interims.

DESIGN CRITERIA: Live Load : HS 20-44

Allow 25 p.s.f. for future wearing surface.

f'c = 1000 psi with earth pressure

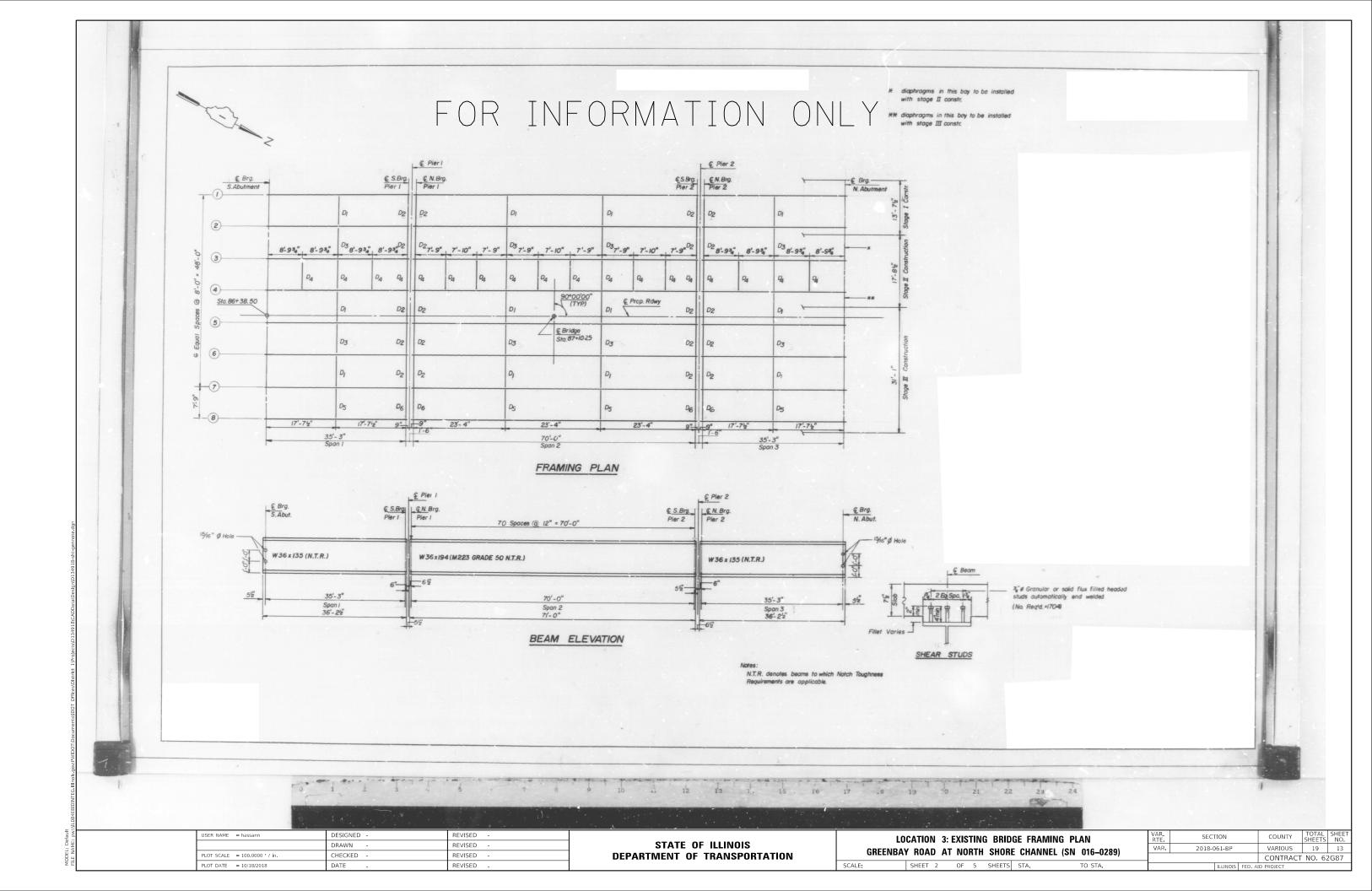
DESIGN STRESSES: Reinforced Concrete f'c = 3500 psi - Superstructure

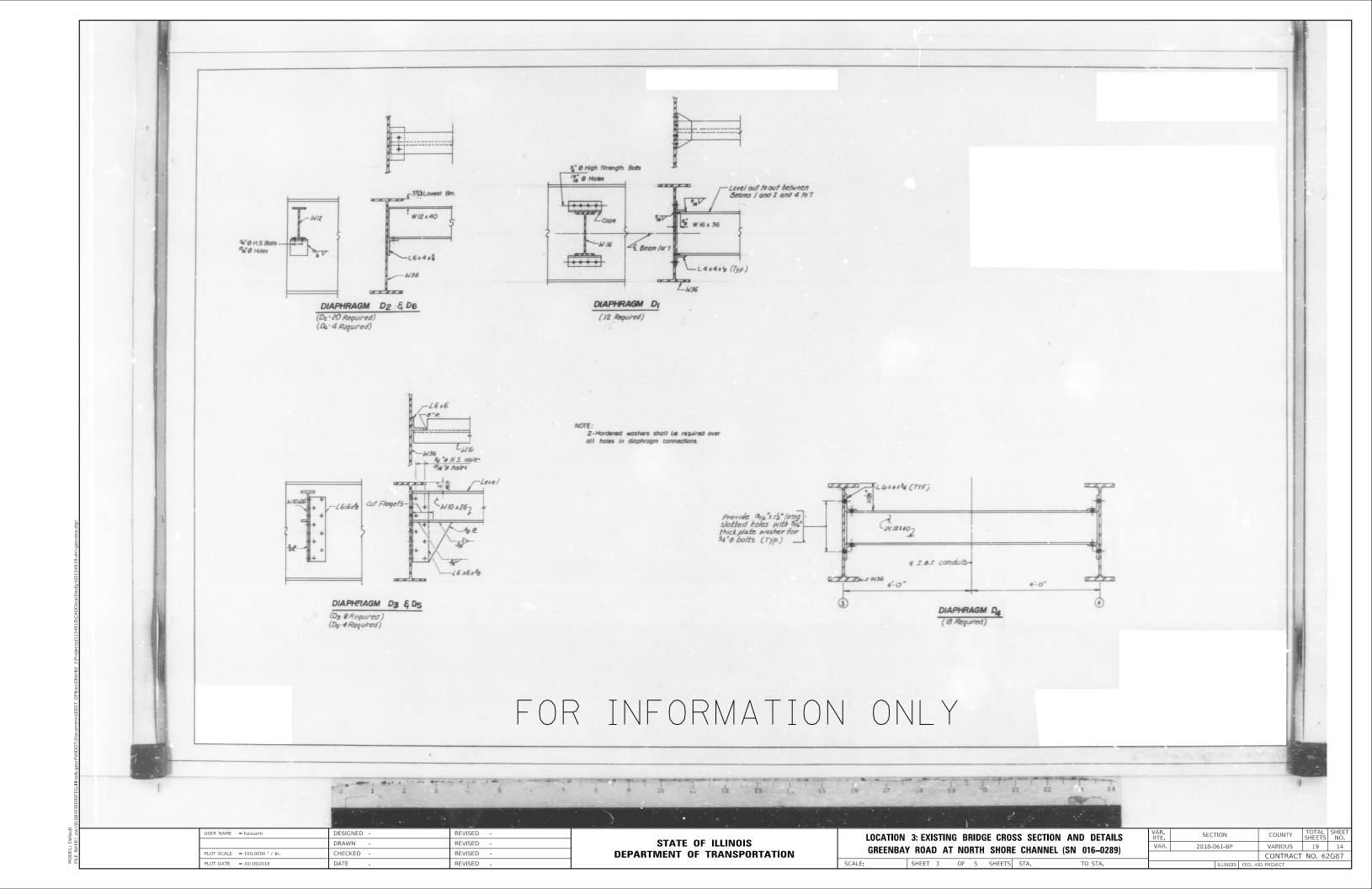
Fc = 1400 psi - Substructure

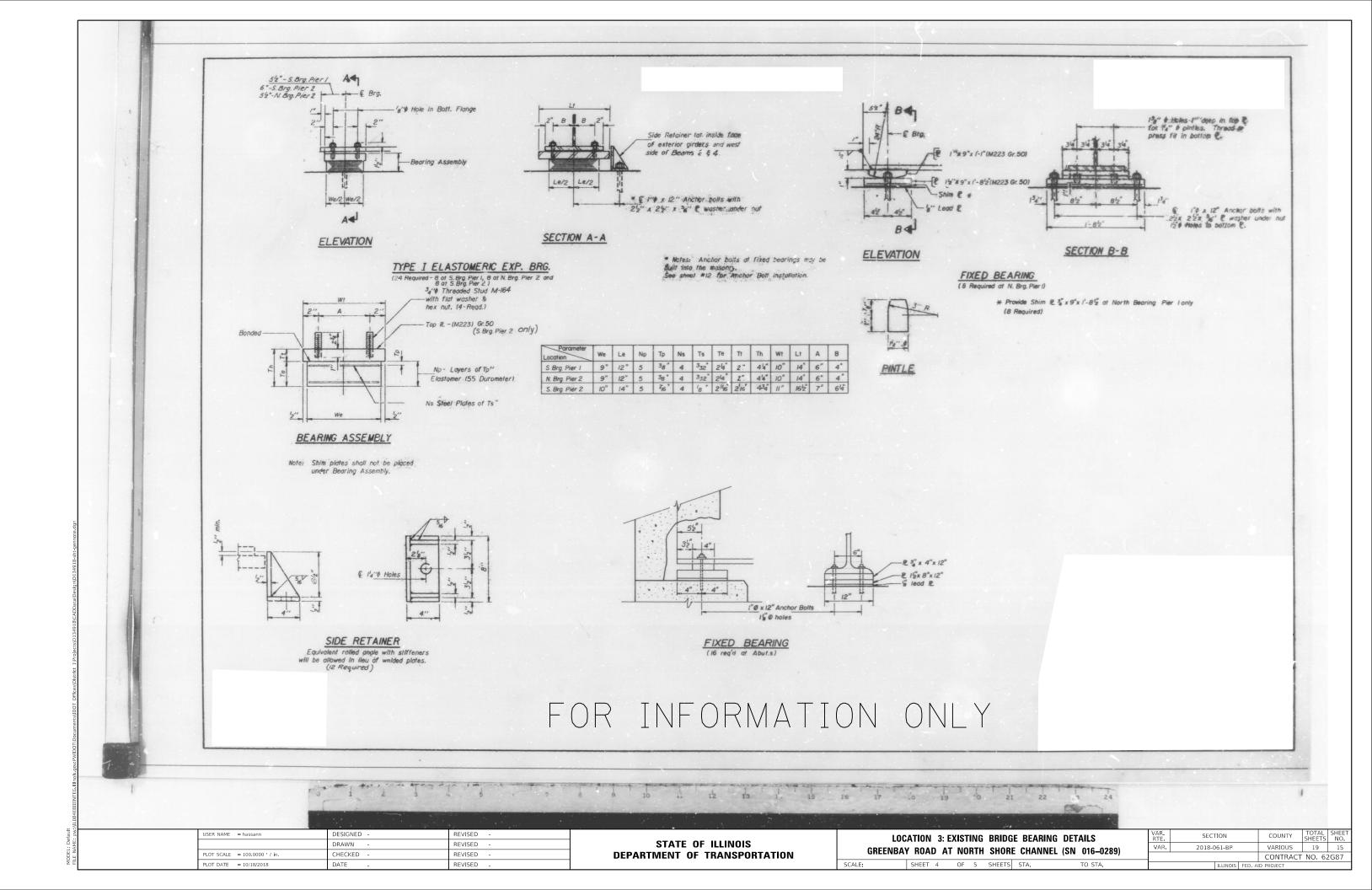
REINFORCEMENT : Fy= 60,000 psi

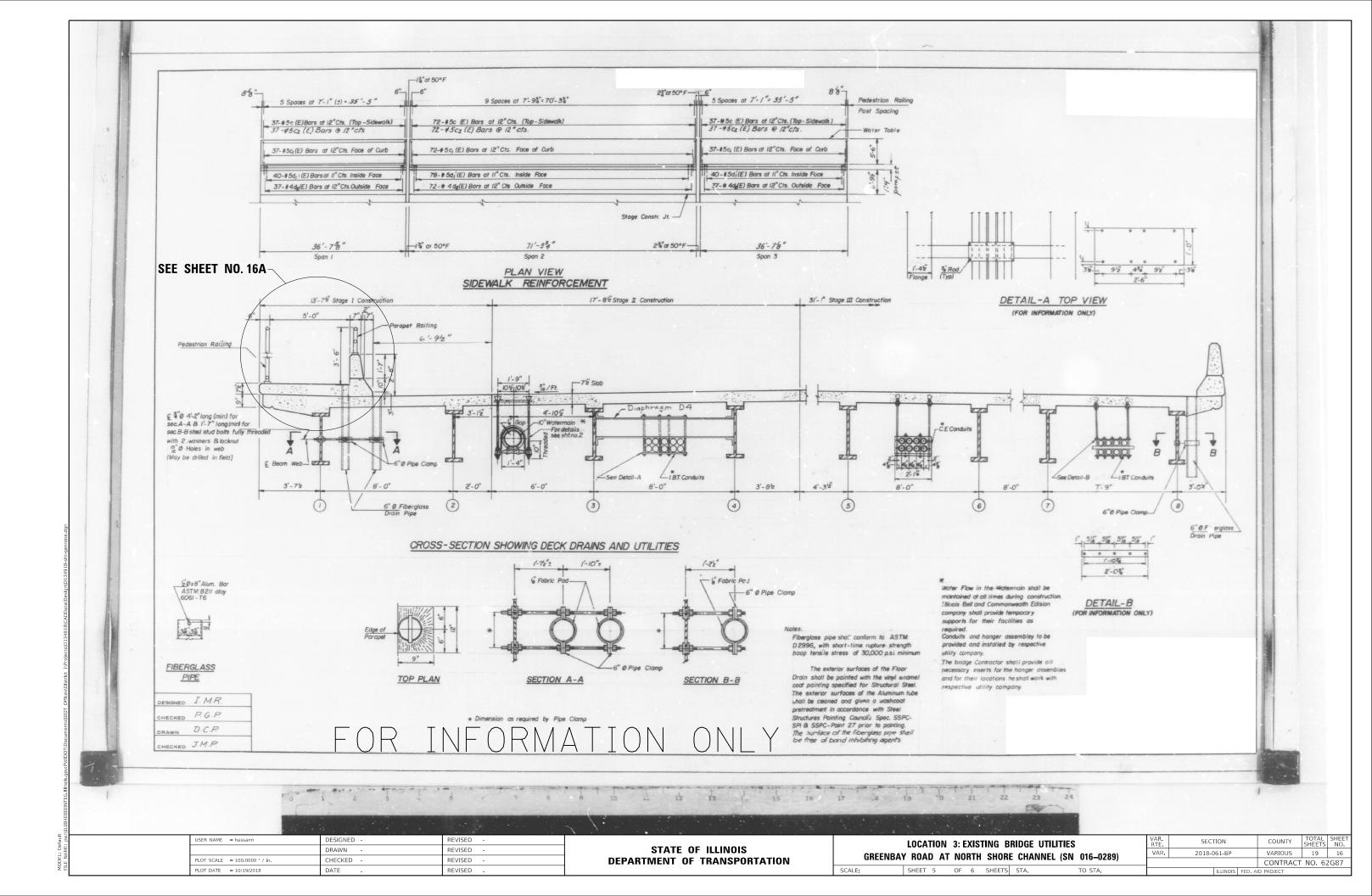
STRUCTURAL STEEL: fy = 50,000 (M 223 Grade 50)(Structural Steel) fy = 36.000 psi (M 183) (Structural Steel)

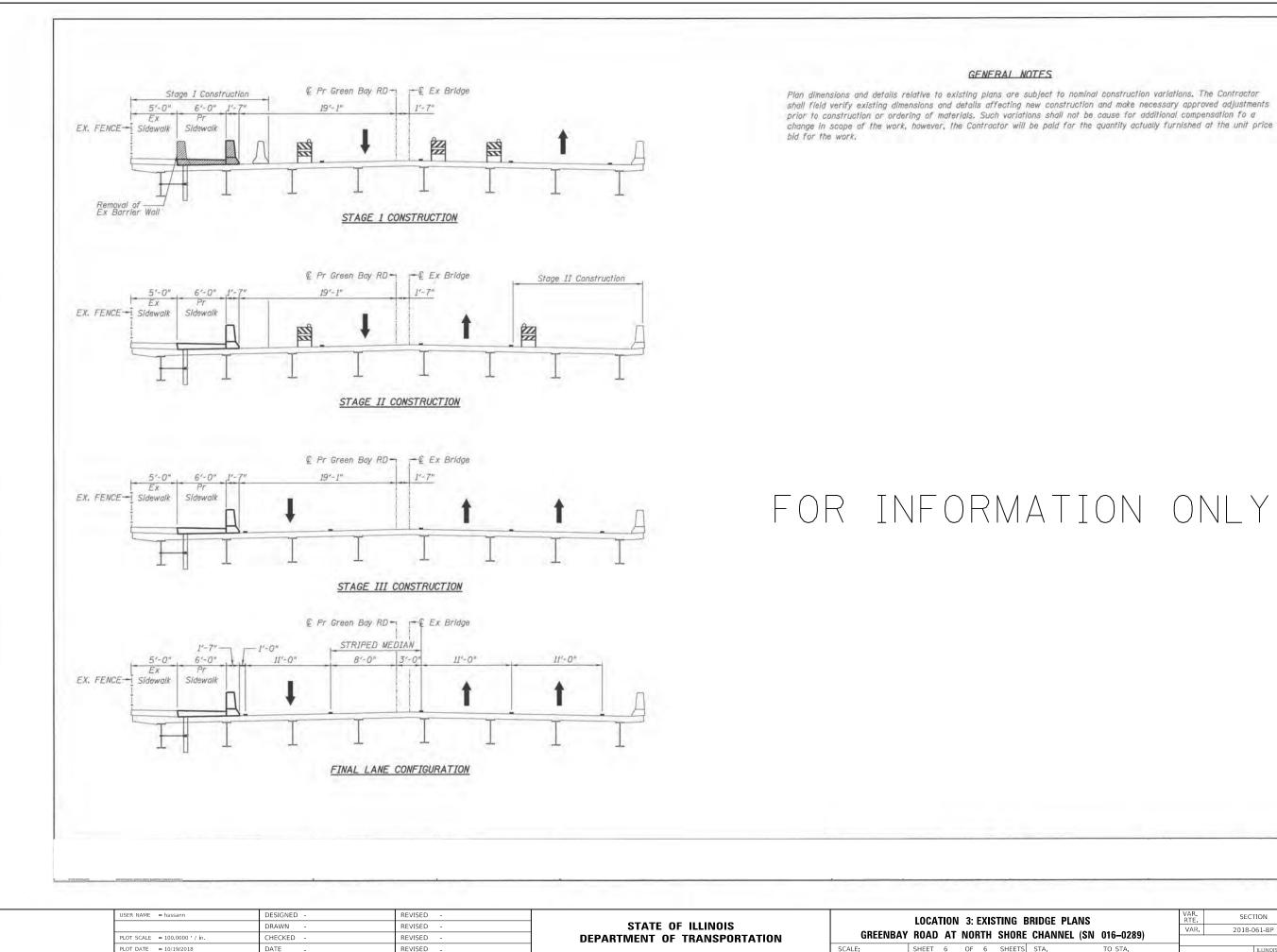
|   | 22 23         | 24           |             |                 | 1               |              |      |
|---|---------------|--------------|-------------|-----------------|-----------------|--------------|------|
| IG BRIDGE PLAN<br>Ore Channel (SN 016-0289) |               | VAR.<br>RTE. | SECTION     | COUNTY          | TOTAL<br>SHEETS | SHEET<br>NO. |      |
|   |               | VAR.         | 2018-061-BP | VARIOUS         | 19              | 12           |      |
| Uni   | L CHANNEL (SN | 010-0205)    |             |                 | CONTRACT        | NO. 62       | 2G87 |
| TS  | STA.          | TO STA.      |             | ILLINOIS FED. A | ID PROJECT      |              |      |
|   |               |              |             |                 |                 |              |      |







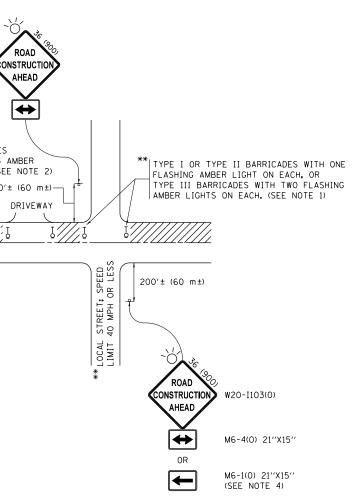


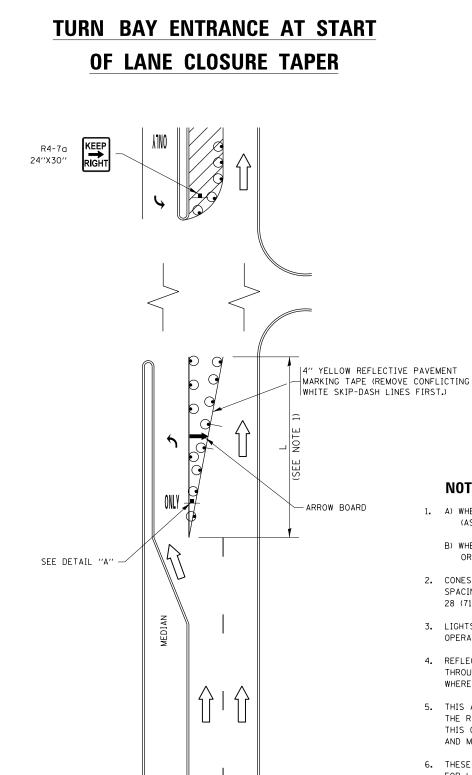


SCALE: SHEET 6 OF 6 SHEETS

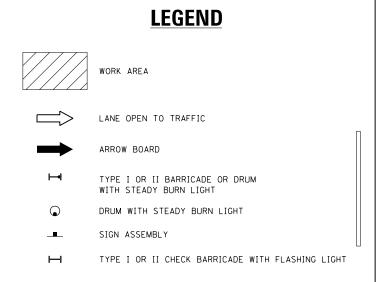
| BRIDGE PLANS             |             | VAR.<br>RTE. | SECT | SECTION |          | COUNTY  | TOTAL<br>SHEETS | SHEET<br>NO. |      |
|--------------------------|-------------|--------------|------|---------|----------|---------|-----------------|--------------|------|
| DE                       | CHANNEL (SN | 016 0290\    | VAR. | 2018-0  | 061-BP   |         | VARIOUS         | 19           | 16A  |
| RE CHANNEL (SN 016-0289) |             |              |      |         |          |         | CONTRACT        | NO. 62       | 2G87 |
| ΤS                       | STA.        | TO STA.      |      |         | ILLINOIS | FED. AI | ID PROJECT      |              |      |
|                          |             |              |      |         |          |         |                 |              |      |

| NOTES:         1. SIGN: ON OUR SPEED LINT OF 40 MPH IND MEAND OR LESS AS<br>SUBJECT DO NT THE DAMANDA DAY DIRECTED BY THE ENDINGER       S, WEN MORE (S DEINC PERFORMED ON A STDE RUG OR DOWNLOW STEP A SUB-<br>MONTED ON THE DAMANDA DO DOR THEFT MEAN ADDIRECTED BY THE ENDINGER       S, WEN MORE (S DEINC PERFORMED ON A STDE RUG OR DOWNLOW STEP A SUB-<br>MONTED ON THE APPRICALE STANDARDS, THE OTHER SUBJECT ON THE ALL SCORED ON THE APPRICALE STANDARDS, THE DE ONETTED ON THE<br>MEDIC ODESTINGTION OF THE MAIN ROUTE SHALL BE MORE OTHER BY<br>INTERCORED STATUTION OF THE MAIN ROUTE SHALL BE MORE OTHER BY<br>INTERCORED STATUTION OF THE MAIN ROUTE SHALL BE MORE OTHER BY<br>INTERCORED ON THE DEBONET APPROXIMATE AND AND ADDIRECTOR THE ALL<br>SCORED MAINTED ON THE BOARD AND AS ADDIRECTOR AND ADDIRECTOR FOR SUB-<br>DORS SECTION, OF THE CLOSED MONTHON.       S, THE RUMAN DOWNLOW STATUTION AT A STATUTION OF THE MAIN<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE OTHER<br>INTERCORED TO AN INC. DIARMAN ADDIRECTOR AND ADDIRECTOR FOR SUB-DRAMAD<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ON THE MAIN ROUTE SHALL BE MORE THE ADDIA<br>ADDIRECT MONTED ADDIA<br>ADDIRECT ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA<br>ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA<br>ADDIA ADDIA ADDIA ADDIA ADDIA<br>ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA<br>ADDIA ADDIA ADDIA ADDIA ADDIA ADDIA<br>ADDIA ADDIA ADDIA   |   | ROAD<br>ROAD<br>BI 1380<br>BI 13800<br>BI 13800<br>BI 13800<br>BI 13800<br>BI 13800<br>BI 13800<br>BI |
|--|---|---|
| SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER<br>O ONE "PROJECONSTRUCTION MEED" SIDN 36 % 35 900,X400 WITH A FLASHOUL<br>MOLIVED ON IT APPROXIMATELY CONTROL SET-UP.<br>MOLIVED ON IT APPROXIMATELY CONTROL SET-UP.<br>MOLIVED ON IT APPROXIMATELY CONTROL SET-UP.<br>MOLIVED ON IT APPROXIMATELY CONTROL SET-UP.<br>D THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY<br>BLOCKING WITH YTHE LITYPE (IT ON PROVIDED ON THE AFFICI CONTROL SET-UP.<br>THE CLOSED SECTION OF THE CLOSED PORTION.<br>2. SIDE ROOM 20 WITH A SECLED ON THE CLOSED PORTION.<br>2. SIDE ROOM 20 WITH A SECLED ON THE CLOSED PORTION.<br>3. SIDE ROOM 20 WITH A SECLED ON THE CLOSED PORTION.<br>4. SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENSINEER.<br>5. SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENSINEER.<br>5. SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENSINEER.<br>5. SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENSINEER.<br>5. SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENSINEER.<br>5. SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENSINEER.<br>5. D THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY<br>BLOCKING WITH YTHE III BLARFILLORES, J/2 OF THE CROSS SECTION OF<br>5. SHOW NOTHED ON THE APPROXIMATELY SOO' NISO BI IN ADVANCE<br>5. SHOWN ON THE SUBSTITUTE FOR BARRICAGES OR DRAWS AT HALF THE<br>5. D THE CLOSED PORTION.<br>5. CONTE MAY PE SUBSTITUTE FOR BARRICAGES OR DRAWS AT HALF THE<br>5. SHOWN DRAW THE SIDE ROUTINE FOR BARRICAGES OR DRAWS AT HALF THE<br>5. SHOWN DRAW AND THE SIDE ROUTINE FOR BARRICAGES OR DRAWS AT HALF THE<br>5. SHOWN CAN THE SIDE ROAD LIES BETWEEN THE BECKNING OF THE MAINLINE<br>5. SHOWN CAN THE SIDE ROAD LIES BETWEEN THE BECKNING OF THE MAINLINE<br>5. SHOWN CAN THE WORK ZORE, A SINCE FLACES ARROW MG-3.<br>AND MEEDING AND THE WORK ZORE, A SINCE FLACES ARROW MG-3.<br>AND MEEDING AND THE WORK ZORE, A SINCE FLACES ARROW MG-3.<br>AND DRAWS AND THE WORK ZORE, A SINCE FLACES ARROW MG-3.<br>AND DRAWS AND THE WORK ZORE, A SINCE FLACES ARROW MG-3.<br>AND DRAWS AND THE WORK ZORE, A SINCE FLACES ARROW MG-3.<br>AND DRAWS AND THE WORK ZORE, A SINCE FLACES ARROW MG-3.<br>AND DRAWS AND THE WORK ZOR |   | NOTES:  |
|  |   | <ul> <li>SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:</li> <li>a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 × 36 (900×900) WITH A FLASHER<br/>MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.</li> <li>b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY<br/>BLOCKING WITH TYPE I. TYPE II OR TYPE III BARRICADES, 1/3 OF<br/>THE CROSS SECTION OF THE CLOSED PORTION.</li> <li>2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/r)<br/>AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:</li> <li>c) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 × 48 (1.2 m × 1.2 m) WITH A<br/>FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE<br/>OF THE MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE</li> <li>b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY<br/>BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION<br/>OF THE MAIN ROUTE.</li> <li>b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY<br/>BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION<br/>OF THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY<br/>BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION<br/>OF THE CLOSED PORTION.</li> <li>3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE<br/>SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710)<br/>IN HEIGHT.</li> <li>4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE<br/>SIDING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL</li> </ul>  |
| p+t/L884EBIDINTEG.illinois.gov/PWIDUT/Deuments/ID07/Desch0istrict/VProjects/03/47BMR/MM9.ts/Design/DistStd.dgn REVISED -1. RAMMACHER 01-06-00 05 10 17   | pw:\\IL084EBIDINTEG.Illinois.gov:PWIDDT\Documents\IDDT_Offices\District_I\Projects\DI3498R4MM9ate\Design\DistStd.dgn REVISED -T. RAMMACHER 01-06-00 | unless otherwise shown.         STATE OF ILLINOIS       TRAFFIC CONTROL AND PROTECTION FOR       VAR.<br>RTE.       SECTION       COUNTY       TOTAL<br>SHEETS       SHEETS       NO.         SIDE ROADS. INTERSECTIONS. AND DRIVEWAYS       VAR.       2018-061-BP       VARIOUS       19       17   |



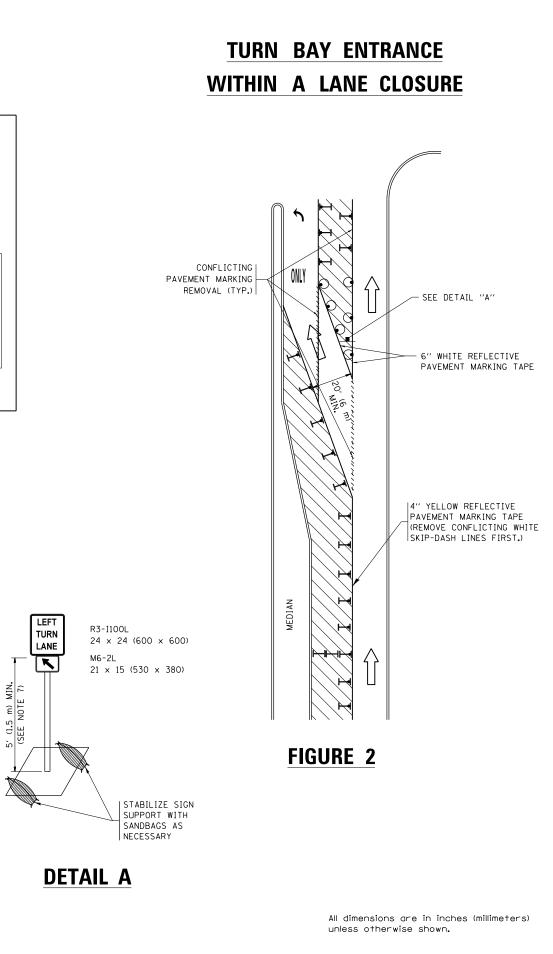


**FIGURE 1** 

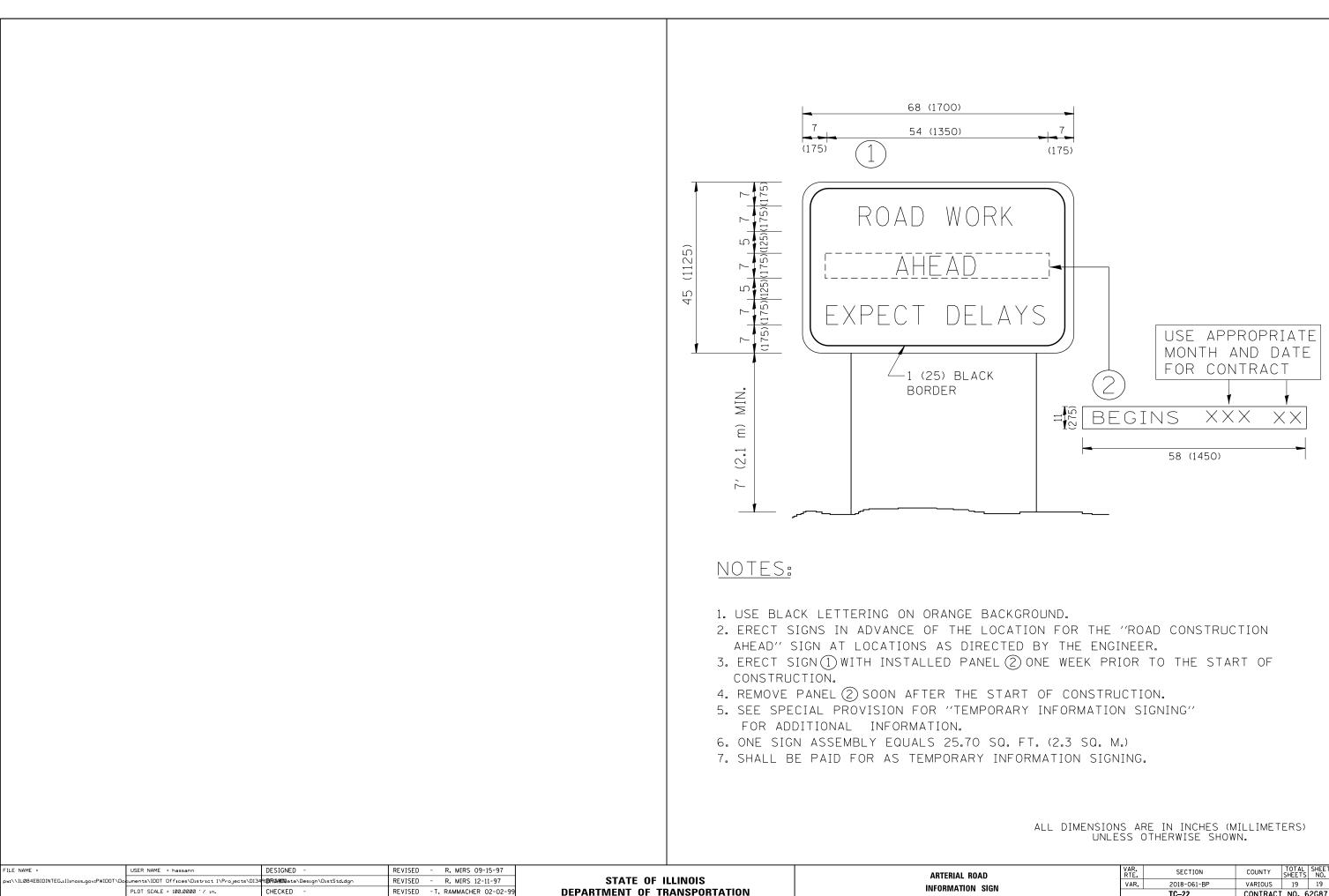


## NOTES:

- 1. A) WHEN "L" IS < THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
  - B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 × 15 (530 × 380) SHALL BE USED.
- 6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



| 7 | FILE NAME =   | USER NAME = hassann          | REVISED - T. RAMMACHER | 09-08-94 REVISED - R. BORO 09-14-0   |                              | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  | VAR.<br>RTF. | SECTION       | COUNTY TOTAL SHEET<br>SHEFTS NO. |
|---|---|------------------------------|------------------------|--------------------------------------|------------------------------|--|--------------|---------------|----------------------------------|
|   | pw://IL084EBIDINTEG.illinois.gov:PWIDOT/Documents/IDOT Offices/District 1/Projects/D134986046060a/Design/0)sHOUS6H 11-07-95 |                              |                        | STATE OF ILLINOIS                    | (TO REMAIN OPEN TO TRAFFIC)  |  | 2018-061-BP  | VARIOUS 19 18 |                                  |
|   |   | PLOT SCALE = 100.0000 '/ in. |                        | 0-12-96 REVISED - A. SCHUETZE 09-15- | DEPARTMENT OF TRANSPORTATION |  |              | TC-14         | CONTRACT NO. 62G87               |
| Ľ | Default   | PLOT DATE = 10/18/2018       | REVISED - T. RAMMACHER | D1-06-00 REVISED -                   |                              | SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA. |              | ILLINOIS FED. | AID PROJECT                      |



REVISED - C. JUCIUS 01-31-07

PLOT DATE = 10/18/2018

DATE

| ROAD   |      |         | VAR.<br>RTE.                                    | SECTION  | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|--------|------|---------|---|----------|--------|-----------------|--------------|
| N SIGN |      | VAR.    | 2018-061-BP                                     | VARIOUS  | 19     | 19              |              |
|        |      |         | TC-22   | CONTRACT | NO. 6  | 2G87            |              |
|        | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINDIS FED. AID PROJECT |          |        |                 |              |