0

0

0

0

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

D-91-407-20

HOUNDS

STEPHINSON

VANCANCE

GO.S.

SITE AND MALE

CARRES

VANCANCE

VANCAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION OF SECTION INDICATED THUS: -

JBMITTED MARCH 13 20 20

May 8, 2020

May 8, 2020

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 607: US 30 WB (CASS ST.)
OVER DES PLAINES RIVER
SECTION 2020-024-BR
BRIDGE REPAIR
WILL COUNTY

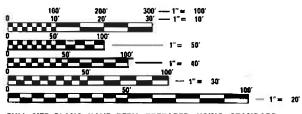
C-91-213-20

TRAFFIC DATA
US RTE 30:
EXISTING ADT = 17600 (2019)

POSTED SPEED LIMIT = 30 MPH

FOR INDEX OF SHEETS, SEE SHEET NO. 2

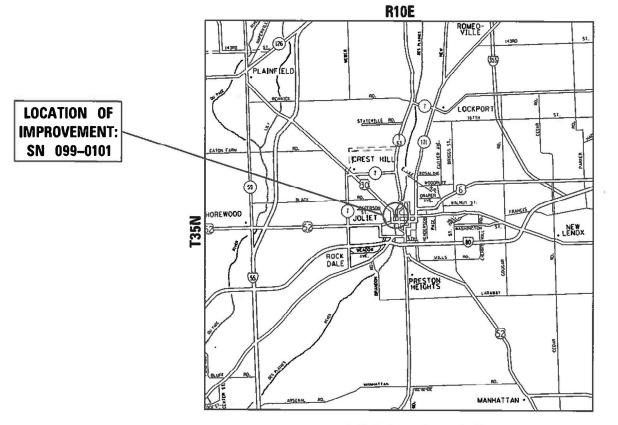
THE IMPROVEMENT IS LOCATED IN THE CITY OF JOLIET



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT MANAGER: ALAIN MIDY (847) 221-3056



JOLIET TOWNSHIP

GROSS LENGTH = 290 FT. = 0.055 MILE NET LENGTH = 290 FT. = 0.055 MILE

CONTRACT NO. 62K95

REV-SEP

INDEX OF SHEETS

- 1 COVER SHEET
- INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
- SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- ROADWAY STAGING PLAN
- 6 PROPOSED PAVEMENT MARKING PLAN
- 7-11 BRIDGE REPAIR PLANS
- 12 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)
- 14 ARTERIAL ROAD INFORMATION SIGN (TC-22)

STATE STANDARDS

| 701101-05 | OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
|-----------|--|
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER, OR CROSSWALK CLOSURE |
| 701901-08 | TRAFFIC CONTROL DEVICES |

GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- . THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF JOLIET.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 6. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.
- 7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 9. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL FOR ANY WORK THAT MAY INTERFERE WITH NAVIGATIONAL OPERATIONS OF THE NAVIGABLE WATERS. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER AND BE SUBMITTED BY THE ENGINEER TO THE COAST GUARD AT THE ADDRESS LISTED BELOW FOR APPROVAL.

BRIDGE ADMINISTRATOR US COAST GUARD EIGHTH COAST GUARD DISTRICT 1222 SPRUCE ST ST. LOUIS, MO 63103-2832

REV-SEP

anroom.dot.llllnols.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D14

REV-SEP

COUNTY TOTAL SHEET NO.
WILL 14 2

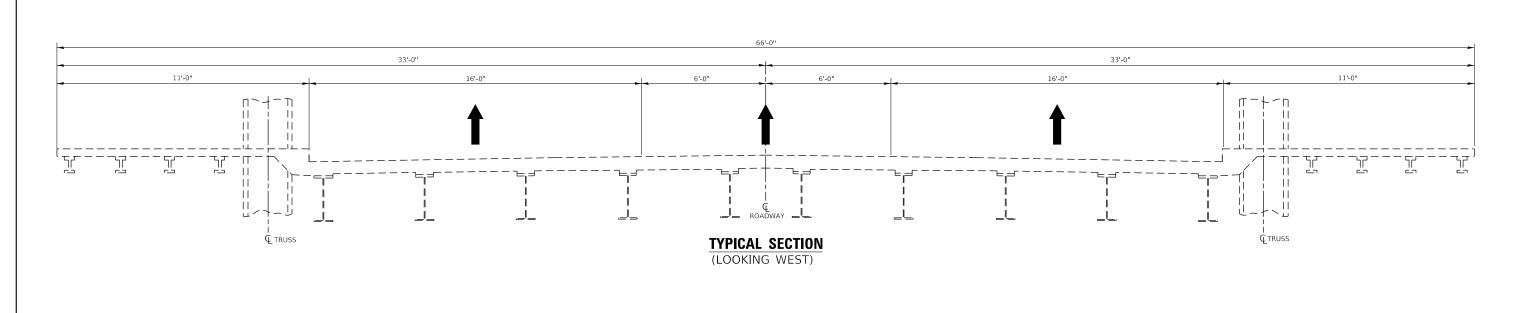
| USER NAME = rothjp | DESIGNED - | REVISED - |
|-------------------------------|------------|-----------|
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/24/2020 | DATE - | REVISED - |

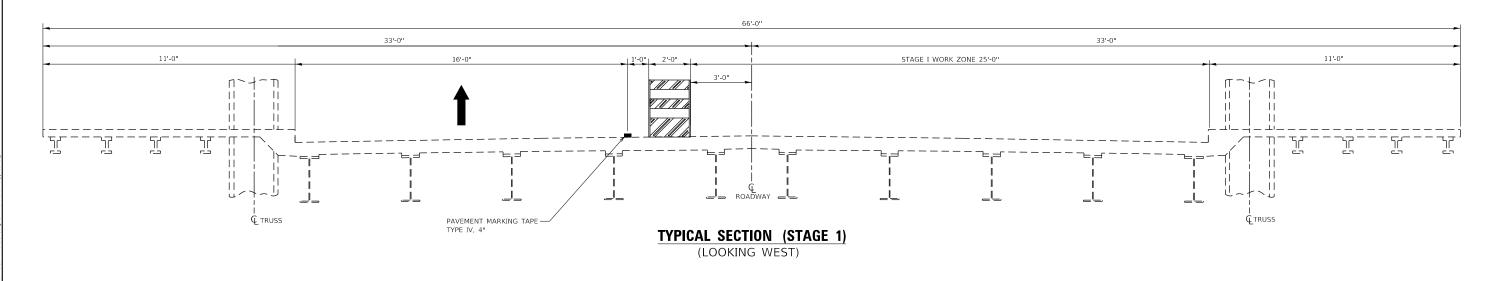
607

SECTION

2020-024-BR

| | SUMMARY OF QUANTITIES | | | | COI | NSTRUCTIO | N TYPE C | ODE | | | SUMMA | ARY OF QUANTITIES | | | CC | NSTRUCTIO | N TYPE CODE | |
|--------------------|---------------------------------------|------------------|------------------------------|-----------------------|-----|-----------|----------|---------|------------|-----------|-------|-------------------|---------------------|---------------------|--------|-------------------------------|--|-------------------------|
| CODE NO | ITEM | UNIT | URBAN TOTAL QUANTITIES | 100% STATE 0013 | | | | | | CODE NO | 33 | ITEM | UNIT | TOTAL QUANTITIES | | | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 | | | | | | | | | | | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | | | | | | | | | | | |
| 70300904 | PAVEMENT MARKING TAPE, TYPE IV 4" | FOOT | 743 | 743 | | | | | | | | | | | | | | |
| 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE | FOOT | 187 | 187 | | | | | | | | | | | | | | |
| | 4" | | | | | | | | | | | | | | | | | |
| 78009004 | MODIFIED URETHANE PAVEMENT MARKING - | FOOT | 70 | 70 | | | | | | | | | | | | | | |
| X0327980 | PAVEMENT MARKING REMOVAL - WATER | SO FT | 86 | 86 | | | | | | | | | | | | | | |
| | BLASTING | | | | | | | | | | | | | | | | | |
| X7010216 | TRAFFIC CONTROL AND PROTECTION. | L SUM | 1 | 1 | | | | | | | | | | | | | | |
| Z0001905 | STRUCTURAL STEEL REPAIR | POUND | 350 | 350 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 20073400 | TEMPORARY SUPPORT SYSTEM | EACH | 6 | 6 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | REV-SE |
| FILE NAME = | USER NAME = rath.jp [| DESIGNED - | | REVISED REVISED | - | | | гэ | TATE OF II | LLINOIS | | | SUMMARY OF QUANT | TIES | F.A.P. | SECTI | | TOTAL SHEE |
| JIIII DUMINO BIDIQ | PLOT SCALE = 100,0000 '/ In. (| CHECKED - DATE - | | REVISED REVISED | - | | Di | EPARTME | NT OF TR | ANSPORTAT | ION | US 30 (C | ASS ST.) OVER DES P | LAINES RIVER | 607 (| 2020-02 AD DIST. NO. 1 (II | 4-BR WILL CONTRA LINOIS FED. AID PROJECT | 14 [3 ACT NO. 62K95 |





STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL TYPICAL SECTION
US 30 (CASS ST.) OVER DES PLAINES RIVER

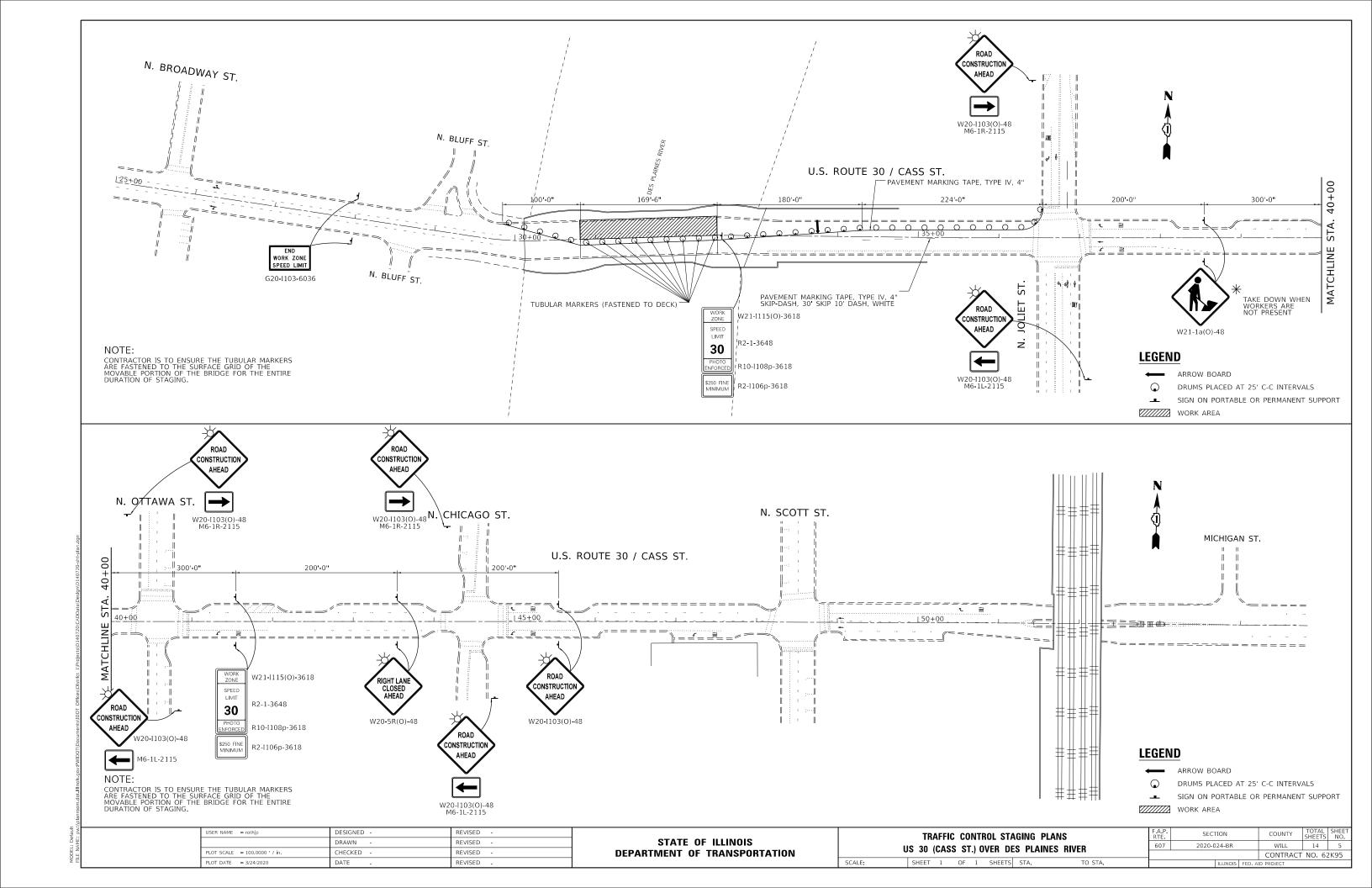
SHEET OF SHEETS STA. TO STA.

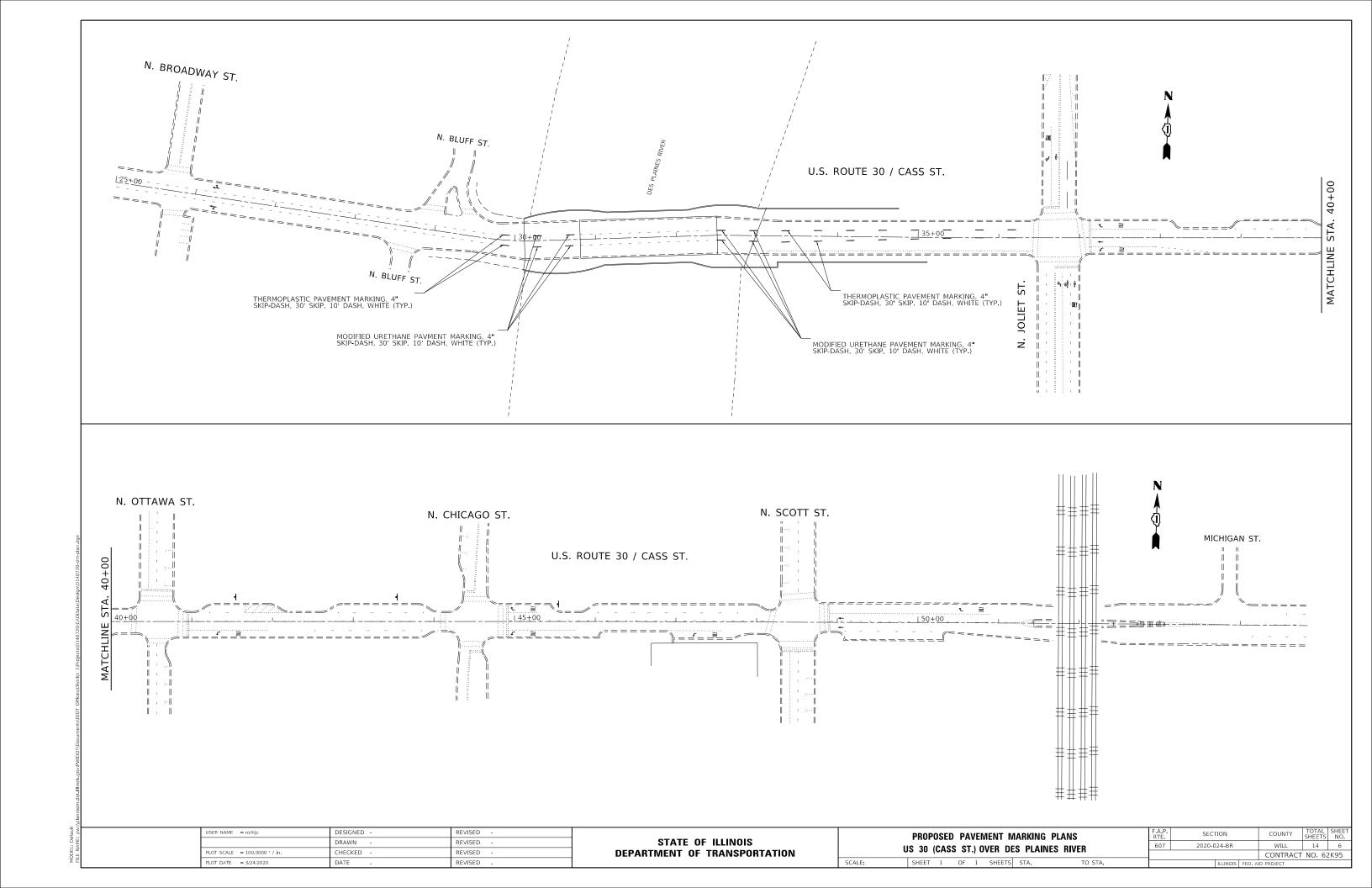
 F.A.P. RTE.
 SECTION
 COUNTY SHEETS NO.
 SHEETS NO.

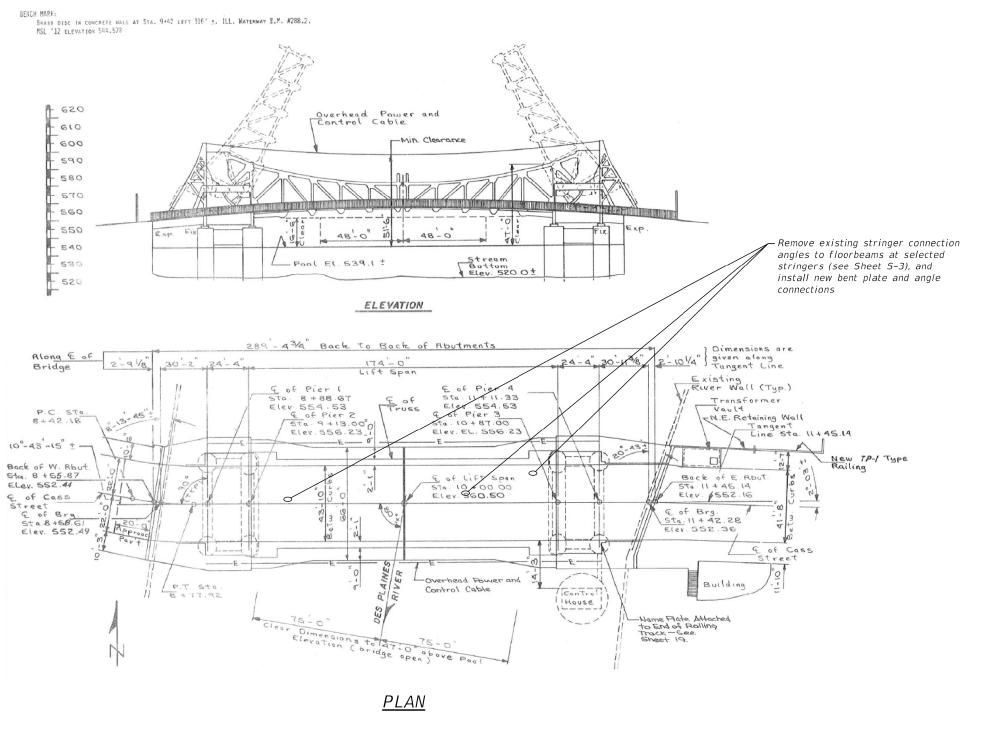
 607
 2020-024-BR
 WILL
 14
 4

 CONTRACT NO. 62 895

 ILLINOIS FED. AID PROJECT







<u>DESIGN DATA (BRIDGE REHAB)</u>

Design Specifications:

AASHTO Standard Specifications for Highway Bridges, 17th Ed., 2002 with Interims AASHTO Standard Specifications for Movable Highway Bridges 1998 with Interims

<u>Design Loads:</u>

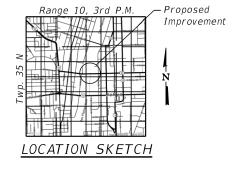
Dead Load: Actual weights of the structure including structural steel and grid deck. Live Load: HS-20-44 Wearing Surface: No allowance for wearing surface All other loads as per AASHTO Specifications

Design Stresses:

Structural Steel (New Construction): fy=50,000 psi (AASHTO M270, Gr. 50) Structural Steel (Existing Construction): fy=33,000 psi (1933 Structural Steel, Gr. 33)

SCOPE OF WORK

- 1. Temporarily close affected lane(s) of traffic per the MOT plans.
- 2. Temporarily support the stringers whose webs and connection angles will be replaced as shown in the plans. Laterally brace the stringers as necessary.
- 3. Remove the connection angles and replace with bent web repair plates and new connection angles.
- 4. Remove temporary supports, and open to traffic.



SCALE:

SHEET 1

GENERAL PLAN

CASS STREET (F.A.P. ROUTE 607)

OVER DES PLAINES RIVER

SEC. G.R.I.1(82)

WILL COUNTY

STA. 10+00.00

STRUCTURE NO. 099-0101

WSP U 30 N. L. SUITE CHICA TELL (3 FAX: (3

| USER NAME = rothjp | DESIGNED - | REVISED - | |
|-------------------------------|------------|-----------|--|
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 3/24/2020 | DATE - | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| G | GENERAL PLAN & ELEVATION | | | | | | F.A.P. RTE | SECTION | | | COUNTY | TOTAL SHEETS | SHEET NO. | |
|---|--------------------------|----|---|--------|-----|-----|---------------|---------|------|----------|---------|-----------------|--------------|--|
| | STRUCTURE NO. 099-0101 | | | | | 607 | 2020-0 | 24-BR | WILL | 14 | 7 | | | |
| | STRUCTORE NO. 033-0101 | | | | | | | | | | CONTRAC | T NO. 62 | 2K95 | |
| Т | 1 | OF | 5 | SHEETS | STA | 7 | TO STA. | | | TELIMOIS | EED AI | D PROJECT | | |

GENERAL NOTES

- 1. All structural steel shall be AASHTO M270 Grade 50, unless otherwise noted.
- 2. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ Ø, holes $\frac{15}{16}$ Ø, unless otherwise noted. Threads shall be excluded.
- 3. No field welding is permitted except as specified in the contract documents.
- 4. All materials and construction methods shall conform to the Standard Specifications for Road and Bridge Construction adopted April 1, 2016 by the Illinois Department of Transportation including supplemental specifications and recurring special provisions unless otherwise specified.
- 5. The Contractor shall obtain all necessary permits from the State of Illinois prior to commencing construction. The costs shall be included in the cost of the contract
- 6. Work on the structure shall be done in such a manner that the closure of the bridge in the down position is prohibited. River traffic shall be maintained at all times.
- 7. The Contractor shall obtain Coast Guard approval for any work that may interfere with navigation operations of the navigable waterway. A work plan shall be prepared by the Contractor, reviewed and approved by the engineer and be submitted by the Engineer to the Coast Guard at the address listed below for approval:

Bridge Administration US Coast Guard Eighth Coast Guard District 1222 E. Spruce St St. Louis, MO 63103-2398

- 8. Location and diameter of holes in new connecting members or pieces shall match holes in the existing structure. Holes in existing structure shall not be enlarged.
- 9. 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.
- 10. The Contractor shall preform all work with care so that any materials that are to remain in place will not be damaged. If the Contractor damages any materials that are to remain in place, the damaged materials shall be repaired or replaced in a manner satisfactory to the engineer at the expense of the Contractor.
- 11. The Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel. The color of the acrylic finish coat shall be Gray (Munsell No. 5B 7/1).
- 12. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- 13. The Contractor shall take all necessary measures to ensure that no debris fall in the Des Plaines River. The cost of this work shall be considered incidental to the Contract.

INDEX OF SHEETS

Structure

S-1 General Plan and Elevation

S-2 General Notes and Bill of Material

S-3 Framing Plan

S-4 Structural Steel Repairs 1

S-5 Structural Steel Repairs 2

TOTAL BILL OF MATERIALS

| Pay Item Number | Description | Unit | Total |
|--------------------|--------------------------|-------|-------|
| Z0001905 | Structural Steel Repair | Pound | 350 |
| Z0073400 | Temporary Support System | Each | 6 |
| | | | |

wspi

 USER NAME
 = rothjp
 DESIGNED
 REVISED

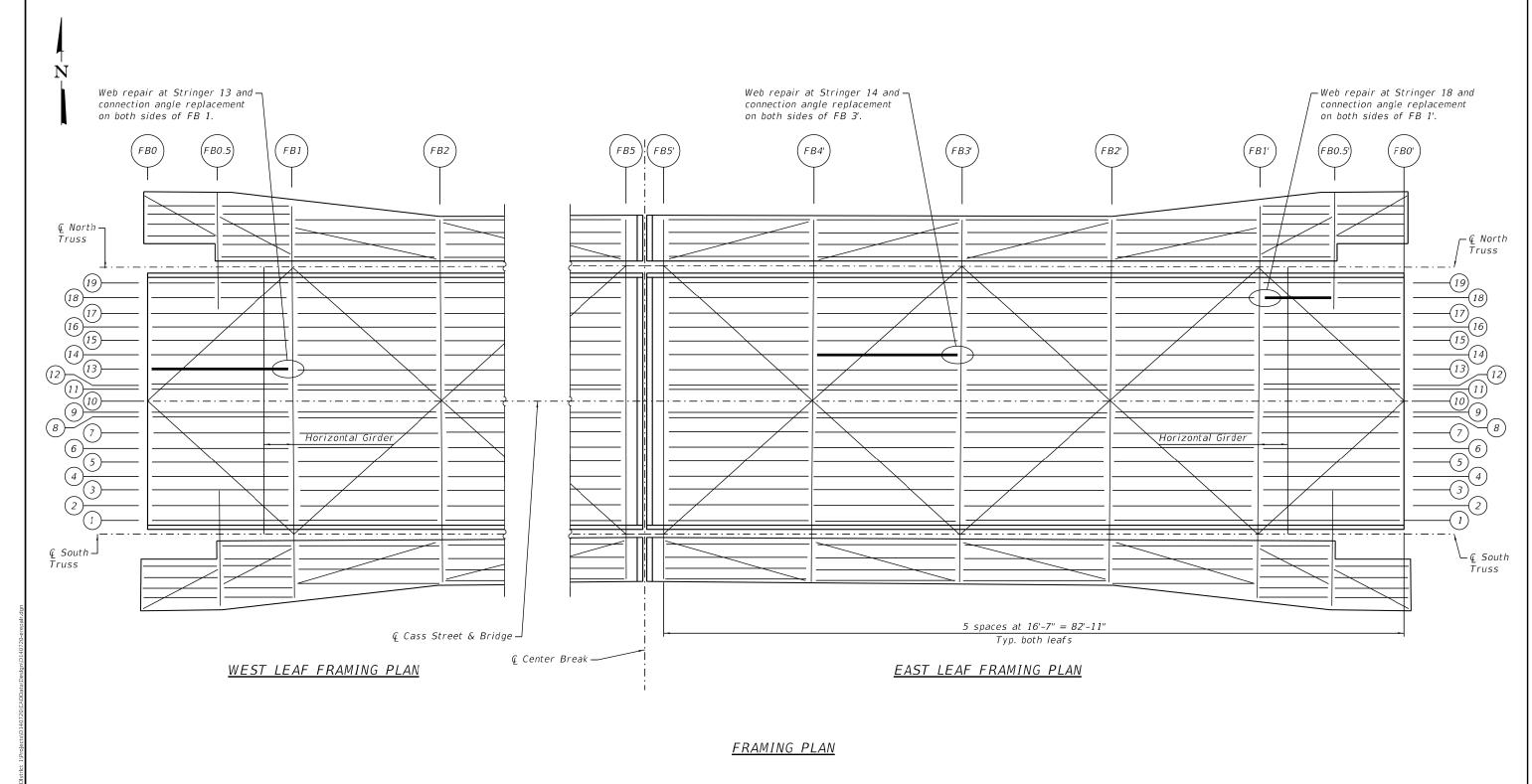
 DRAWN
 REVISED

 PLOT SCALE
 = 100.0000 '/ in.
 CHECKED
 REVISED

 PLOT DATE
 = 3/24/2020
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:





SCALE:

Stringer with deteriorated web to be repaired

Stringer designation

Floor beam designation

Notes:

- 1. Locations to be strengthened shall be verified in the
- 2. Cost of furnishing and erecting repair steel elements
- shall be included in Structural Steel Repairs.

 3. Cost of removing and replacing rivets in association with furnishing and erecting stringer web repair and connection angle replacement shall be included in Structural Steel Repairs.
- 4. See sheets S-4 thru S-5 for details of stringer web repairs and connection angle replacements.



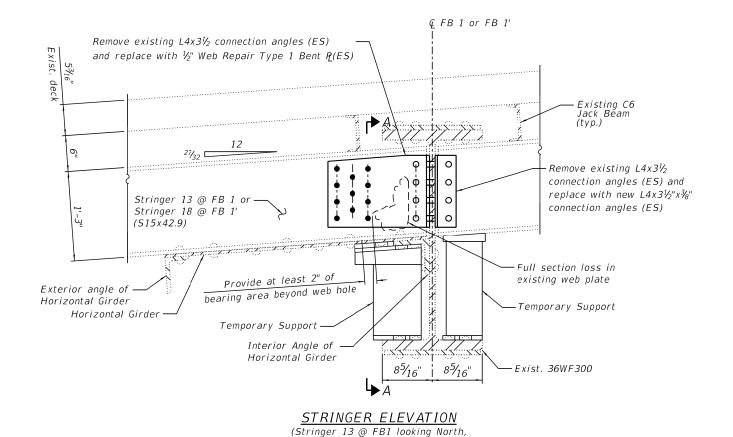
| USER NAME = rothjp | DESIGNED - | REVISED - |
|-----------------------------|------------|-----------|
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/24/2020 | DATE - | REVISED - |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

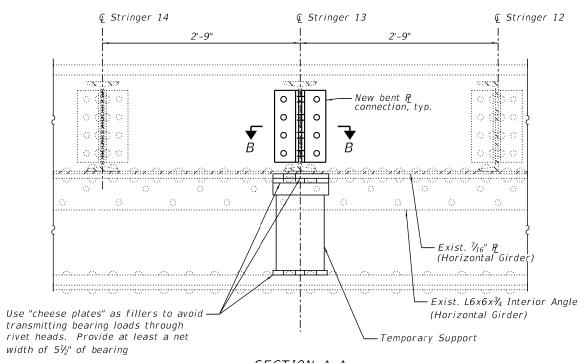
| FRAMING PLAN | | | | | | | | SECTION | COUNTY | TOTAL SHEETS | SHE |
|------------------------|---|----|---|--------|------|---------|---------------------------|-------------|--------|-----------------|-----|
| STRUCTURE NO. 099-0101 | | | | | | | 607 | 2020-024-BR | WILL | 14 | ç |
| STRUCTURE NO. 055-0101 | | | | | | | CONTRACT NO. 6 | | | | |
| SHEET | 3 | OF | 5 | SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | | |

BILL OF MATERIAL

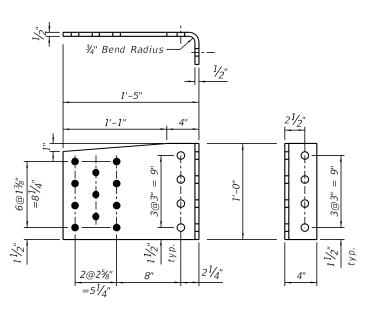
| Item | Unit | Quantity | | |
|--------------------------|-------|----------|--|--|
| Structural Steel Repair | Pound | 236 | | |
| Temporary Support System | Each | 4 | | |



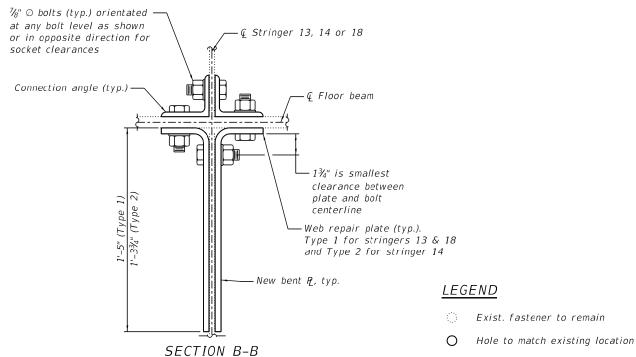
Stringer 18 @ FB 1' looking South)



SECTION A-A (Stringer 13 at FB1 shown, Stringer 18 @ FB 1' similar) (Top cover plate not shown)







Unfactored Stringer Reactions Dead Load 2 k Live Load 0 k

Notes:

Dimensions shown are based on existing drawings and should be considered nominal only. See the General Notes on Sheet S-2.

The largest deteriorated web hole is approximately 8" wide adjacent to the existing connection angle. If the hole has grown wider, inform the Engineer as the dimensions of the web repair plate may need to change. If the required 2" of bearing area extends farther away from the floor beam flange, bracing the support against the exterior angle of the horizontal girder may be necessary.

The out to out dimesions of the bent plate shall be cut after bending. The bolt holes shall be drilled after field verification and final cuts to bent plate have been made.

SHEETS NO.

NO. 62K95

| USER NAME = rothjp | DESIGNED - | REVISED - |
|-------------------------------|------------|-----------|
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/24/2020 | DATE - | REVISED - |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

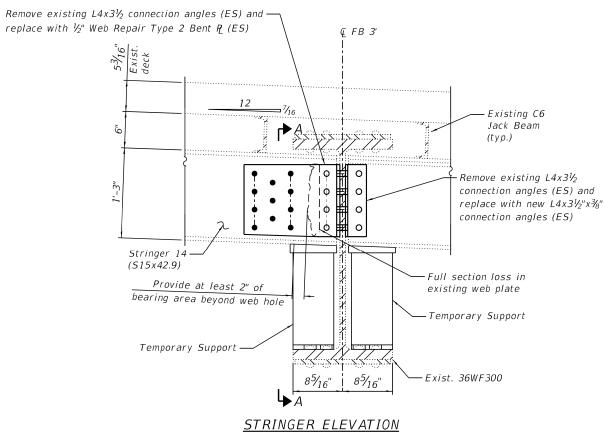
SCALE:

SHEET 4

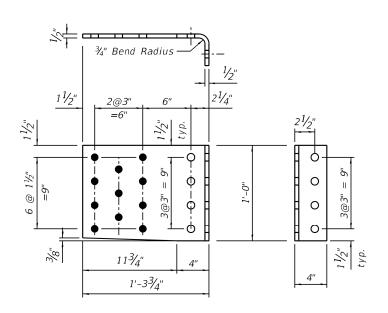
| , | STRU | JCTU | RAL | STEEL | REPAIRS | F.A.P. RTE | SECTION | COUNTY | | | |
|------------------------|------|------|-----|--------|---------|---------------|---------------------------|--------|----------|--|--|
| STRUCTURE NO. 099-0101 | | | | | | 607 | 2020-024-BR | WILL | | | |
| STRUCTURE NO. 033-0101 | | | | | | | | | CONTRACT | | |
| Т | 4 | OF | 5 | SHEETS | STA. | TO STA. | TILLINOIS FED AID PROJECT | | | | |

BILL OF MATERIAL

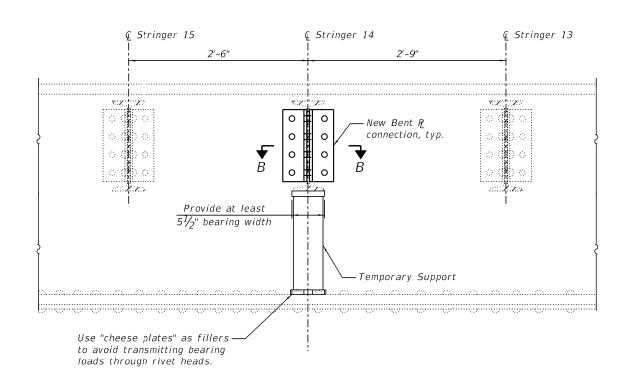
| Item | Unit | Quantity |
|--------------------------|-------|----------|
| Structural Steel Repair | Pound | 114 |
| Temporary Support System | Each | 2 |



(Stringer 14 @ FB 3' looking North)



WEB REPAIR TYPE 2 BENT PLATE DETAIL



SECTION A-A

(Top cover plate not shown)

| Unfactored | | | | | | | |
|------------|-----|--|--|--|--|--|--|
| Stringe | r | | | | | | |
| Reaction | 15 | | | | | | |
| Dead Load | 2 k | | | | | | |
| Live Load | 0 k | | | | | | |

LEGEND

SCALE:

Exist. fastener to remain

O Hole to match existing location

New hole

SHEET 5

Notes:

Dimensions shown are based on existing drawings and should be considered nominal only. See the General Notes on Sheet S-2.

The deteriorated web hole is approximately 2" wide adjacent to the existing connection angle. If the hole has grown wider, inform the Engineer as the dimensions of the web repair plate may need to change.

For Section B-B, see sheet S-4.

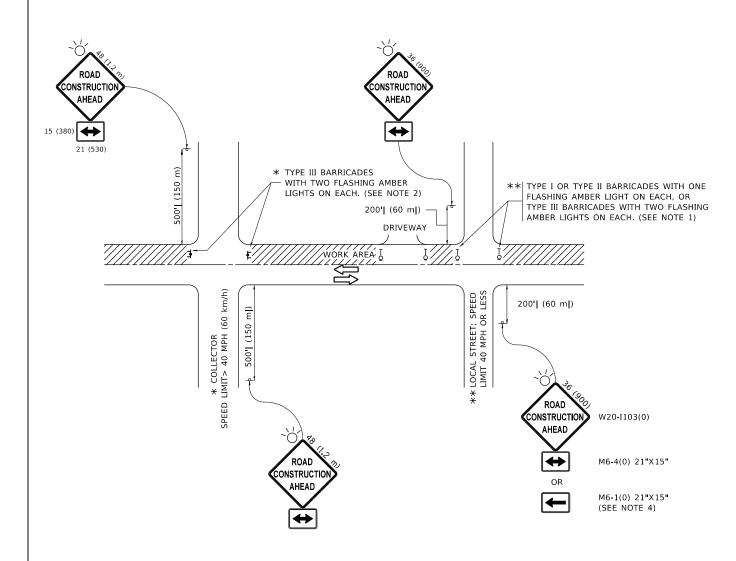
For additional notes regarding bent plate fabrication, see Sheet S-4.

14 11



| USER NAME = rothjp | DESIGNED - | REVISED - |
|-----------------------------|------------|-----------|
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/24/2020 | DATE - | REVISED - |

| 9 | | | | | | F.A.P. RTE | COUNTY | | | | |
|------------------------|------------------------|----|---|----------|----------|---------------|--------|--------|----------|---------|------------|
| STRUCTURE NO. 099-0101 | | | | SE NIO (| 100_0101 | | 607 | 2020-0 | 24-BR | | WILL |
| | 31KUCTURE NO. 099-0101 | | | | | | | | | CONTRAC | |
| FT | 5 | OF | 5 | SHEETS | STA | TO STA | | | TELIMOIS | EED A | ID PROJECT |



NOTES:

- 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 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.
- 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.
- THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
 b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION
 OF THE CLOSED PORTION.
- 3. 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
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
 4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL
 BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

| USER NAME = rothjp | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 |
|-----------------------------|-------------------|---------------------------------|
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 100.0000 / in. | CHECKED - | REVISED - A. SCHUETZE 07-01-13 |
| PLOT DATE = 3/24/2020 | DATE - 06-89 | REVISED A. SCHUETZE 09-15-16 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ; | | - | | | | | TION FOR DRIVEWAYS |
|-------------|-------|---|----|---|--------|------|-----------------------|
| SCALE: NONE | SHEET | 1 | OF | 1 | SHEETS | STA. | TO STA. |

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

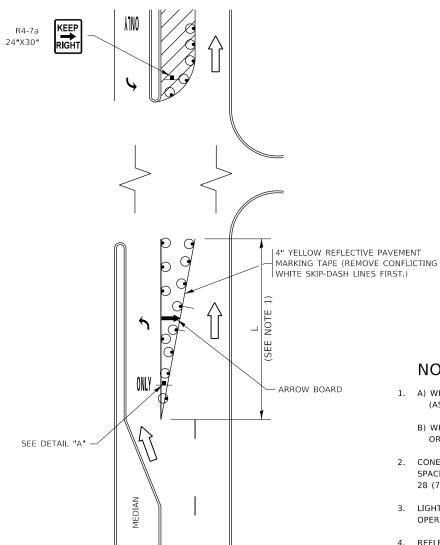


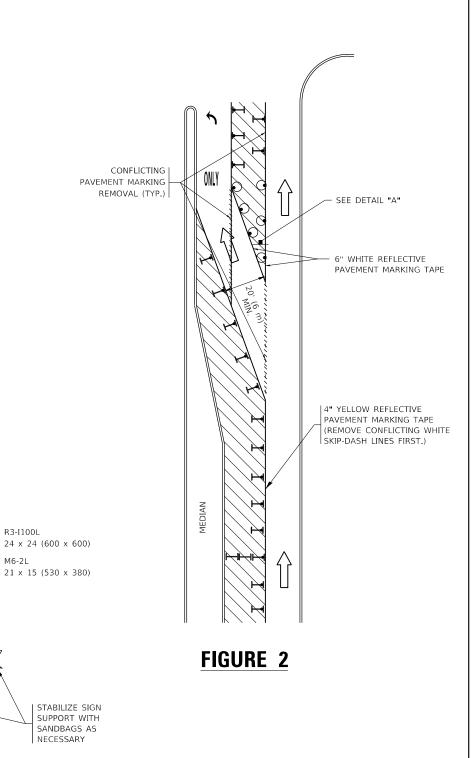
FIGURE 1

LEGEND WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT SIGN ASSEMBLY TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 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 PREOUIREMENTS.
- 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.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE



DETAIL A

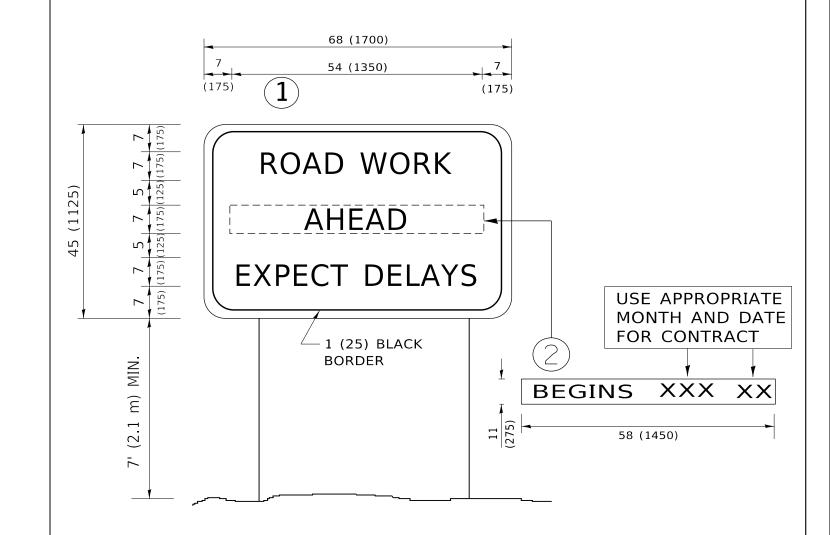
TURN

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

| USER NAME = rotnjp | DESIGNED | - 1. | RAMMACHER 09-08-94 | KEVISED | - | R. BORO 09-14-09 |
|-----------------------------|----------|------|--------------------|---------|------|-------------------|
| | DRAWN | - | A. HOUSEH 11-07-95 | REVISED | - A. | SCHUETZE 07-01-13 |
| PLOT SCALE = 100.0000 / in. | CHECKED | - | A. HOUSEH 10-12-96 | REVISED | - A. | SCHUETZE 09-15-16 |
| PLOT DATE = 3/24/2020 | DATE | - T. | RAMMACHER 01-06-00 | REVISED | - | |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

| | | | | F.A.P. SECTION | | | COUNTY | TOTAL SHEETS | SHEET NO. | | |
|-------------------------------|--------------|--------|------|----------------|-----|---------------------------|--------|--------------------|--------------|----|----|
| (TO REMAIN OPEN TO TRAFFIC) | | | | | 607 | 607 2020-024-BR | | | WILL | 14 | 13 |
| (TO REIVIAIN OFEN TO TRAITIO) | | | | TC-14 | | | | CONTRACT NO. 62K95 | | | |
| SCALE: NONE | SHEET 1 OF 1 | SHEETS | STA. | TO STA. | | ILLINOIS FED. AID PROJECT | | | | | |



NOTES:

- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.

SHEET 1

6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)

SCALE: NONE

7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

| USER NAME = rothjp | DESIGNED - | REVISED | - R. MIRS 09-15-97 |
|-------------------------------|------------|---------|------------------------|
| | DRAWN - | REVISED | - R. MIRS 12-11-97 |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED | -T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/24/2020 | DATE - | REVISED | - C. JUCIUS 01-31-07 |

| ARTERIAL ROAD | | F.A.P. RTE | SEC. | ΓΙΟΝ | | COUNTY | TOTAL SHEETS | SH | | |
|--------------------|--------|---------------|---------|-------------|-------|----------|-----------------|------------|--------|-----|
| INFORMATION SIGN | | | 607 | 2020-024-BR | | | WILL | 14 | | |
| INFUNIVIATION SIGN | | | | | TC-22 | | | CONTRACT | NO. 62 | 2K9 |
| OF 1 | SHEETS | STA. | TO STA. | | | ILLINOIS | FED. A | ID PROJECT | | |