

043

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|---------------------------|---------|-----------|--------------------|-----------|
| F.A. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | | CHAMPAIGN | 27 | 1 |
| | | ILLINOIS | CONTRACT NO. 70D24 | |
| D5 BRIDGE PAINTING 2019-2 | | | | |

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES SEE SHEETS 7-8

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D5 BRIDGE PAINTING 2019-2
PROJECT NHPP-04JA (029)
BRIDGE PAINTING
CHAMPAIGN COUNTY

C-95-062-18

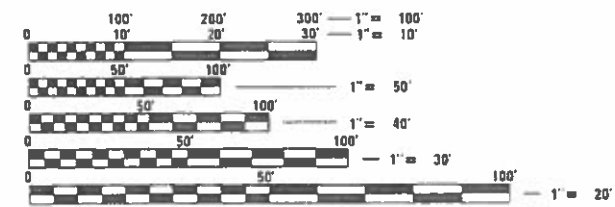
| CURRENT TRAFFIC DATA | | | |
|----------------------|------------|------------|--------|
| ADT 2017 | LOC. 1 & 2 | LOC. 3 & 4 | LOC. 5 |
| | 29,000 | 31,600 | 17,000 |

TRAFFIC DATA LOCATIONS

- LOC. 1: S.N. 010-0014 F.A.I. 74 (WB) OVER IL 47 MAHOMET M.P. EXIT 172 IN CHAMPAIGN COUNTY
- LOC. 2: S.N. 010-0015 F.A.I. 74 (EB) OVER IL 47 MAHOMET M.P. EXIT 172 IN CHAMPAIGN COUNTY
- LOC. 3: S.N. 010-0167 T.R. 104 (LINDSAY RD.) OVER F.A.I. 74 M.P. 176 IN CHAMPAIGN COUNTY
- LOC. 4: S.N. 010-0169 F.A.P. 318 (DUNCAN RD.) OVER F.A.I. 74 M.P. 177.9 IN CHAMPAIGN COUNTY
- LOC. 5: S.N. 010-0168 C.H. 57 (F.A.U. 7154) (STALEY RD.) OVER F.A.I. 72 M.P. 181.2 IN CHAMPAIGN COUNTY



FOR LOCATION MAP, SEE SHEET 3



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: JASON STULTS
SQUAD LEADER: MICHAEL LEROY
PHONE: (217)465-4181

CONTRACT NO. 70D24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 15 2018
Paul C. Jones
REGIONAL ENGINEER

Oct 5 2018
Jason Stults
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 5 2018
Paul C. Jones
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|--|
| 1 | COVER SHEET |
| 2 | INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES |
| 2 | SCHEDULE OF QUANTITIES |
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| 17-19 | STRUCTURE DETAILS FOR LOCATION 4 |
| 20-22 | STRUCTURE DETAILS FOR LOCATION 5 |
| 23-24 | WIDTH RESTRICTION SIGNAGE DETAILS |
| 25-26 | WB DRIVING LANE CLOSURE, LOCATION 5 |
| 27 | DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL) |

HIGHWAY STANDARDS

| STANDARD NO. | DESCRIPTION |
|--------------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 701001-02 | OFF-ROAD OPERATIONS, 2L, 2W, More than 15' (4.5 m) AWAY FROM THE EDGE OF PAVEMENT |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5) TO 24" (600 MM) FROM PAVEMENT EDGE |
| 701101-05 | OFF-ROAD 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 FROM PAVEMENT EDGE |
| 701400-09 | APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY |
| 701401-11 | LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701402-12 | LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER |
| 701423-10 | LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS 45 MPH TO 55 MPH |
| 701428-01 | TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY |
| 701601-09 | URBAN LANE CLOSURE, 2L, 2W, BI-DIRECTIONAL LEFT TURN LANE |
| 701901-07 | TRAFFIC CONTROL DEVICES |
| 704001-08 | TEMPORARY CONCRETE BARRIER |

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASURE SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

GN 105.07C
EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF, AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-501A
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

G.N.-506 (SPL.)
ALL FINAL SURFACES OF THE BEAMS SHALL BE PAINTED GRAY (MUNSELL COLOR STANDARD - 5B 7/1) EXCEPT THE EXTERIOR SURFACES OF THE EXTERIOR BEAMS WHICH SHALL BE PAINTED WITH INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

ONLY STRUCTURAL STEEL AND OTHER DESIGNATED SURFACES SHALL BE PAINTED. ALL OTHER SURFACES SHALL BE PROTECTED FROM CONTRACTORS BLASTING AND PAINTING OPERATIONS. ANY AREAS DAMAGED BY BLASTING OR OVERSPRAY WILL BE REMOVED OR REPAIRED AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CARE SHALL BE TAKEN NOT TO DAMAGE RUBBER BEARING OR JOINT COMPONENTS DURING BLASTING AND CLEANING OPERATIONS. ANY DAMAGE TO THESE COMPONENTS SHALL BE REPAIRED AT CONTRACTORS EXPENSE.

THE SSPC-QP1 AND QP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

ALL TRASH AND PAINTING DEBRIS, EXCLUDING WASTE BARRELS OR ROLL-OFF DUMPSTERS, SHALL BE REMOVED BEFORE BEGINNING WORK AT ANOTHER LOCATION.

2 YEAR PAINT WARRANTY REQUIRED FOR EACH OF THE 5 STRUCTURES

NO COMMITMENTS

SCHEDULE OF QUANTITIES

| | 70400100 | | | 70400200 | | |
|---------|----------------------------|---------|-------|--------------------------------|---------|-------|
| | Temporary Concrete Barrier | | Total | Relocate Temp Concrete Barrier | | Total |
| | Taper | Tangent | | Taper | Tangent | |
| #5 EBDL | 150' | 125' | 275' | - | - | - |
| #5 EBPL | - | - | - | 150' | 125' | 275' |
| #5 WBDL | 150' | 125' | 275' | - | - | - |
| #5 WBPL | - | - | - | 150' | 125' | 275' |
| <hr/> | | | | | | |
| #3 EBDL | 150' | 125' | 275' | - | - | - |
| #3 EBPL | - | - | - | 150' | 125' | 275' |
| #3 WBDL | 150' | 125' | 275' | - | - | - |
| #3 WBPL | - | - | - | 150' | 125' | 275' |
| <hr/> | | | | | | |
| #4 EBDL | 150' | 125' | 275' | - | - | - |
| #4 EBPL | - | - | - | 150' | 125' | 275' |
| #4 WBDL | 150' | 125' | 275' | - | - | - |
| #4 WBPL | - | - | - | 150' | 125' | 275' |
| | | | 1650* | | | |

X7015005 - Changeable Message Sign

Location #3 - 010-0167

7.0 CAL DA - Advance Notification for I-74 EB

12.0 CAL DA - I-74 EB - 2nd CMS to be used with 701400 approx. 1.5 miles from taper

7.0 CAL DA - Advance Notification for I-57 SB

12.0 CAL DA - I-74 WB - 2nd CMS to be used with 701400 approx. 1.5 miles from taper

38.0 CAL DA

Location #4 - 010-0169

0.0 CAL DA - Advance Notification for 010-0169 covered by advance notification for 010-0167

12.0 CAL DA - I-74 EB - 2nd CMS to be used with 701400 approx. 1.5 miles from taper

0.0 CAL DA - Advance Notification for 010-0169 covered by advance notification for 010-0167

12.0 CAL DA - I-74 WB - 2nd CMS to be used with 701400 approx. 1.5 miles from taper

24.0 CAL DA

Location #5 - 010-0168

7.0 CAL DA - Advance Notification for I-72 EB

7.0 CAL DA - Advance Notification for I-72 WB

7.0 CAL DA - Advance Notification for I-72 WB on-ramp from I-57 NB

12.0 CAL DA - I-72 WB on-ramp from I-57 SB

12.0 CAL DA - I-72 WB - CMS to be used with 701423 approx. 1.5 miles from taper

45.0 CAL DA

TOTAL 107 CAL DA

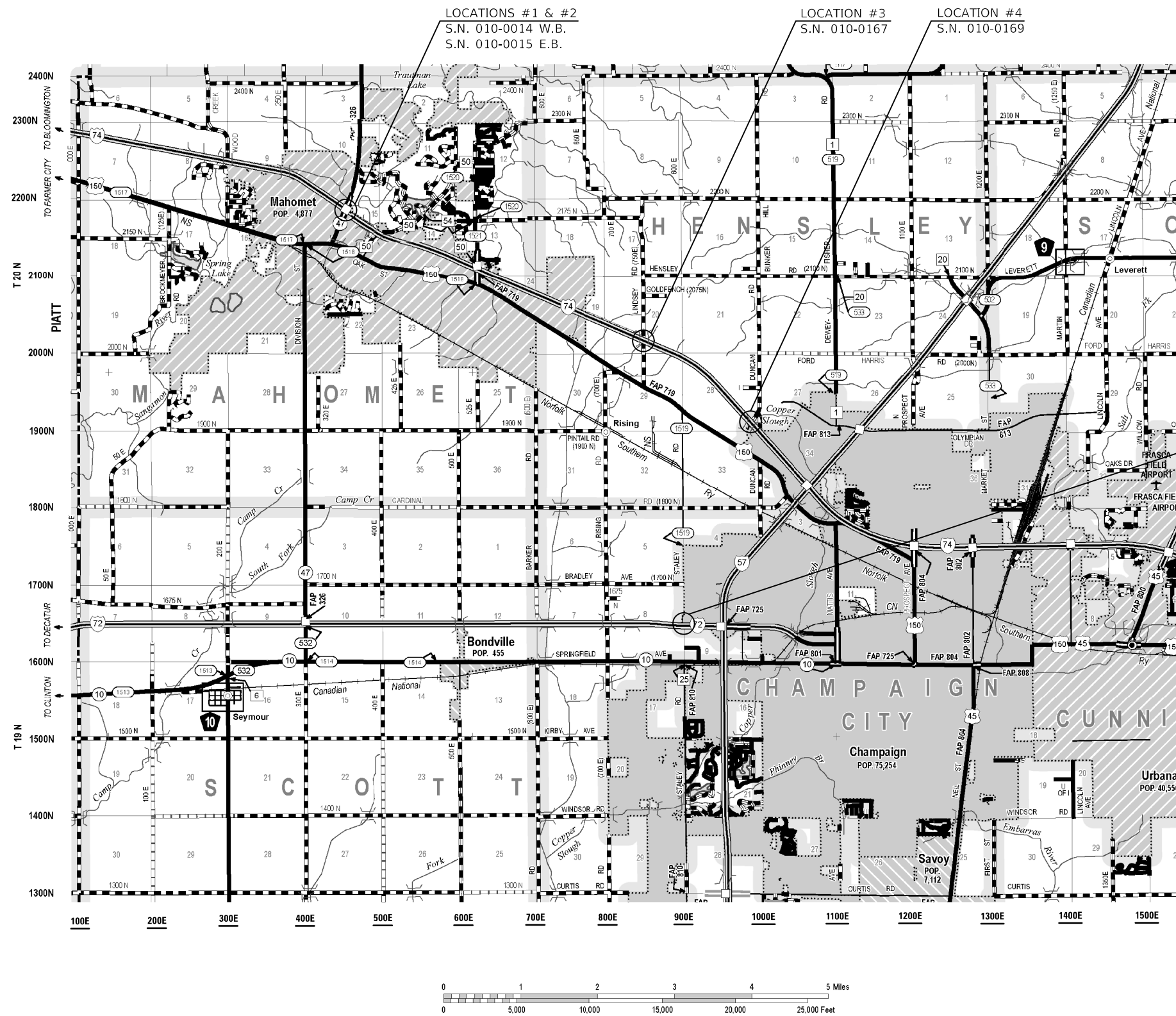
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES & SCHEDULE OF QUANTITIES**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| VAR. | * | CHAMPAIGN | 27 | 2 |
| * D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

LOCATION MAP



LOCATION #5
S.N.010-0168

TOWNSHIPS
MAHOMET
HENSLEY
SCOTT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|-----------------------------|---------|-----------|--------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | CHAMPAIGN | 27 | 3 |
| * D5 BRIDGE PAINTING 2019-2 | | | CONTRACT NO. 70D24 | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: \\MODELNAME
 FILE: \\NAME.Plan\\LUL@EIDNITEC.ILLINOIS.GOV\\PVIDOT\Documents\DOT Office\Director 5\Projects\0570D24\CADD\DATA\CAD\Sheet\0570D24-1-1-1-1.dgn

| | | | |
|-----------------------------|------------|-----------|--|
| USER NAME = leroyma | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 40,0000' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - | |

LOCATION #1

DESCRIPTION: F.A.I.ROUTE 74 OVER S.B.I. ROUTE 47 @ MAHOMET EXIT 172
 COUNTY: CHAMPAIGN
 ROUTE: F.A.I. ROUTE 74
 MARKED ROUTE: I-74 W.B.
 SECTION: (10-4) HB
 STRUCTURE NO.: 010-0014
 TYPE OF STRUCTURE: 2 SPAN CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL COLOR NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR SURFACE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE STRUCTURE HAS GALVANIZED MEMBERS SUCH AS BEAM END REPAIRS , DIAPHRGAMS, BEARINGS, OR OTHER SECONDARY MEMBERS. THE CONTRACTOR SHALL FOLLOW THE SPECIFICATION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" FOR SURFACE PREPARATION AND APPLICATION OF THE PAINT SYSTEM ON GALVANIZED SURFACES.

NOTE: DECK DRAIN EXTENSIONS SHALL BE PAINTED AT NO ADDITIONAL COST.

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

NOTE: 2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

LOCATION #2

DESCRIPTION: F.A.I. ROUTE 74 OVER S.B.I. ROUTE 47 @ MAHOMET EXIT 172
 COUNTY: CHAMPAIGN
 ROUTE: F.A.I. ROUTE 74
 MARKED ROUTE: I-74 E.B.
 SECTION: (10-4) HB
 STRUCTURE NO.: 010-0015
 TYPE OF STRUCTURE: 2 SPAN CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL COLOR NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR SURFACE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE STRUCTURE HAS GALVANIZED MEMBERS SUCH AS BEAM END REPAIRS , DIAPHRGAMS, BEARINGS, OR OTHER SECONDARY MEMBERS. THE CONTRACTOR SHALL FOLLOW THE SPECIFICATION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" FOR SURFACE PREPARATION AND APPLICATION OF THE PAINT SYSTEM ON GALVANIZED SURFACES.

NOTE: DECK DRAIN EXTENSIONS SHALL BE PAINTED AT NO ADDITIONAL COST.

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

NOTE: 2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DATE: 8/15/2018

| | | |
|------------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | |
|------------------------------|---------------------|--------------|
| DESCRIPTION OF WORK | | |
| LOCATIONS #1 & #2 | | |
| SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. TO STA. |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|---------|-----------|--------------------|-----------|
| | * | CHAMPAIGN | 27 | 4 |
| * D5 BRIDGE PAINTING 2019-2 | | | CONTRACT NO. 70D24 | |
| ILLINOIS FED. AID PROJECT | | | | |

LOCATION #3

DESCRIPTION: T.R. 104 (LINDSEY RD.) OVER F.A.I. ROUTE 74 @ M.P. 176.0
 COUNTY: CHAMPAIGN
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 10-5 HB
 STRUCTURE NO.: 010-0167
 TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, DIAPHRAGMS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS 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 ALL EXTERIOR SURFACE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAIN EXTENSIONS SHALL BE PAINTED AT NO ADDITIONAL COST.

NOTE: 2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

LOCATION #4

DESCRIPTION: T.R.126 (DUNCAN RD.) OVER F.A.I. 74 @ 177.9
 COUNTY: CHAMPAIGN
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 10-5HB-1
 STRUCTURE NO.: 010-0169
 TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, DIAPHRAGMS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

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NOTE: DECK DRAIN EXTENSIONS SHALL BE PAINTED AT NO ADDITIONAL COST.

NOTE: 2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DATE: \\DATE

| | | |
|------------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DESCRIPTION OF WORK
 LOCATIONS #3 & #4**

SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|---------|--------------------|--------------|-----------|
| VAR. | * | CHAMPAIGN | 27 | 5 |
| * D5 BRIDGE PAINTING 2019-2 | | CONTRACT NO. 70D24 | | |
| ILLINOIS FED. AID PROJECT | | | | |

LOCATION #5

DESCRIPTION: CH 57 (FAU 7154) STALEY RD. @ M.P. 181.2
 COUNTY: CHAMPAIGN
 ROUTE: F.A.I. 72
 MARKED ROUTE: I-72
 SECTION: 10-7 1HB-2
 STRUCTURE NO.: 010-0168
 TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS, DIAPHRAGMS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10.

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NOTE: DECK DRAIN EXTENSIONS SHALL BE PAINTED AT NO ADDITIONAL COST.

NOTE: 2 YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE.

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DRAWING: \\DRAWING

| | | |
|------------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DESCRIPTION OF WORK
LOCATION #5**

SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|---------|--------------------|------------------|-----------|
| VAR. | * | CHAMPAIGN | 27 | 6 |
| * D5 BRIDGE PAINTING 2019-2 | | CONTRACT NO. 70D24 | | |
| | | ILLINOIS | FED. AID PROJECT | |

SUMMARY OF QUANTITIES

LOCATION OF WORK:

| LOC. #1 | LOC. #2 | LOC. #3 | LOC. #4 | LOC. #5 |
|------------------|------------------|---------------|---------------|---------------|
| F.A.I. 74 | F.A.I. 74 | F.A.I. 74 | F.A.I. 74 | F.A.I. 72 |
| S.N. 010-0014 WB | S.N. 010-0015 EB | S.N. 010-0167 | S.N. 010-0169 | S.N. 010-0168 |
| CHAMPAIGN CO. | CHAMPAIGN CO. | CHAMPAIGN CO. | CHAMPAIGN CO. | CHAMPAIGN CO. |
| URBAN | URBAN | URBAN | URBAN | URBAN |
| 90% FEDERAL | 90% FEDERAL | 90% FEDERAL | 90% FEDERAL | 90% FEDERAL |
| 10% STATE | 10% STATE | 10% STATE | 10% STATE | 10% STATE |
| 0047 | 0047 | 0047 | 0047 | 0047 |

CONSTRUCTION TYPE CODE:

| CODE NO. | DESCRIPTION | UNIT | TOTAL QUANTITY | QUANTITY | QUANTITY | QUANTITY | QUANTITY | QUANTITY |
|----------|---|-------|-------------------|----------|----------|----------|----------|----------|
| 67100100 | MOBILIZATION | L SUM | 1.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 70100207 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 | EACH | 5.0 | | | 2.0 | 2.0 | 1.0 |
| 70100325 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701423 | EACH | 1.0 | | | | | 1.0 |
| 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1.0 | 0.5 | 0.5 | | | |
| 70400100 | TEMPORARY CONCRETE BARRIER | FOOT | 1650.0 | | | 550.0 | 550.0 | 550.0 |
| 70400200 | RELOCATE TEMPORARY CONCRETE BARRIER | FOOT | 1650.0 | | | 550.0 | 550.0 | 550.0 |
| 70600250 | IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 | EACH | 6.0 | | | 2.0 | 2.0 | 2.0 |
| 70600350 | IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 | EACH | 6.0 | | | 2.0 | 2.0 | 2.0 |
| X2700001 | TEMPORARY RUMBLE STRIPS (SPECIAL) | EACH | 48.0 | | | 16.0 | 16.0 | 16.0 |
| X5067501 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1 | L SUM | 1.0 | 1.0 | | | | |
| X5067502 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2 | L SUM | 1.0 | | 1.0 | | | |
| X5067503 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 3 | L SUM | 1.0 | | | 1.0 | | |
| X5067504 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 4 | L SUM | 1.0 | | | | 1.0 | |
| X5067505 | BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 5 | L SUM | 1.0 | | | | | 1.0 |

MODEL: I:\MODELNAME.FE
 FILE: NAME: P:\UTL\BEBID\NTEG\Illinois.gov\PWIDOT\Documents\DOT_Offices\District 5\Projects\0570D24\CADDData\CAD\Sheet0570D24-4-18-500.dgn

| | | |
|------------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|---------|-----------|--------------|-----------|
| | * | CHAMPAIGN | 27 | 7 |
| * D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SUMMARY OF QUANTITIES

LOCATION OF WORK:

| | | | | |
|---|---|--|--|--|
| LOC. #1 F.A.I. 74 S.N. 010-0014 WB CHAMPAIGN CO. URBAN 90% FEDERAL 10 % STATE 0047 | LOC. #2 F.A.I. 74 S.N. 010-0015 EB CHAMPAIGN CO. URBAN 90% FEDERAL 10 % STATE 0047 | LOC. #3 F.A.I. 74 S.N. 010-0167 CHAMPAIGN CO. URBAN 90% FEDERAL 10 % STATE 0047 | LOC. #4 F.A.I. 74 S.N. 010-0169 CHAMPAIGN CO. URBAN 90% FEDERAL 10 % STATE 0047 | LOC. #5 F.A.I. 72 S.N. 010-0168 CHAMPAIGN CO. URBAN 90% FEDERAL 10 % STATE 0047 |
|---|---|--|--|--|

CONSTRUCTION TYPE CODE:

| CODE NO. | DESCRIPTION | UNIT | TOTAL QUANTITY | QUANTITY | QUANTITY | QUANTITY | QUANTITY | QUANTITY |
|----------|--|---------|----------------|----------|----------|----------|----------|----------|
| X7015005 | CHANGEABLE MESSAGE SIGN | CAL DAY | 107.0 | | | 38.0 | 24.0 | 45.0 |
| X7200201 | WIDTH RESTRICTION SIGNING | L SUM | 1.0 | 0.5 | 0.5 | | | |
| Z0007101 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM | 1.0 | 1.0 | | | | |
| Z0007102 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2 | L SUM | 1.0 | | 1.0 | | | |
| Z0007103 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3 | L SUM | 1.0 | | | 1.0 | | |
| Z0007104 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4 | L SUM | 1.0 | | | | 1.0 | |
| Z0007105 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5 | L SUM | 1.0 | | | | | 1.0 |
| Z0010501 | CLEANING AND PAINTING STEEL BRIDGE NO. 1 | L SUM | 1.0 | 1.0 | | | | |
| Z0010502 | CLEANING AND PAINTING STEEL BRIDGE NO. 2 | L SUM | 1.0 | | 1.0 | | | |
| Z0010503 | CLEANING AND PAINTING STEEL BRIDGE NO. 3 | L SUM | 1.0 | | | 1.0 | | |
| Z0010504 | CLEANING AND PAINTING STEEL BRIDGE NO. 4 | L SUM | 1.0 | | | | 1.0 | |
| Z0010505 | CLEANING AND PAINTING STEEL BRIDGE NO. 5 | L SUM | 1.0 | | | | | 1.0 |

MODEL: \$MODELNAME
FILE: Name: P:\U\B\EBID\NTEG\Illinois.gov\PIWDOT\Documents\DOT_Offices\District 5\Projects\0570D24\CADD\Drawings\0570D24-4-4-18-500.dgn

| | | |
|-----------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

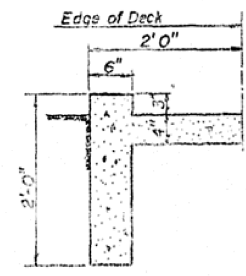
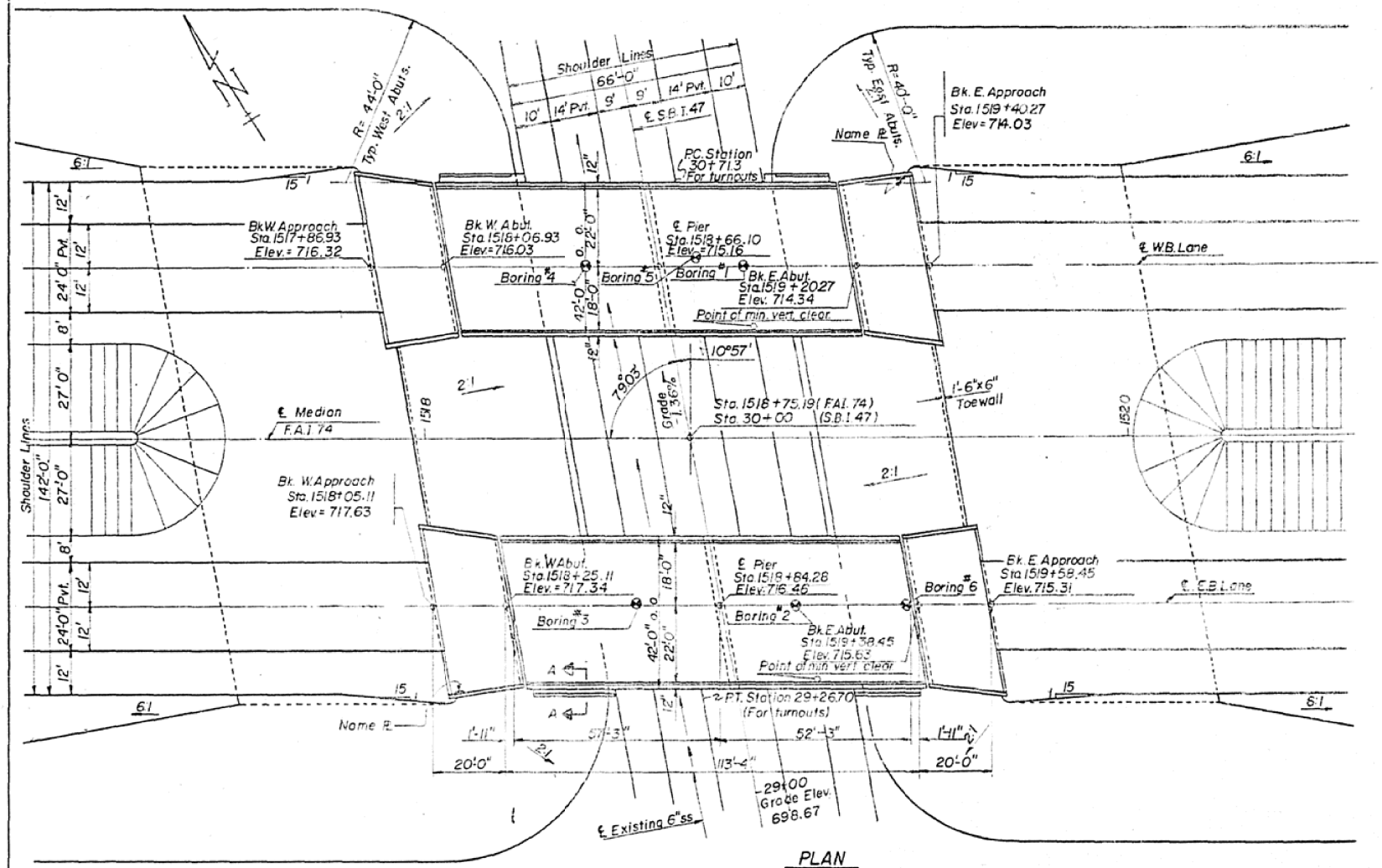
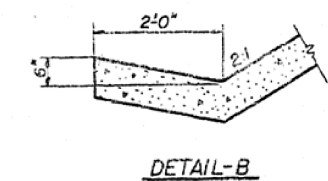
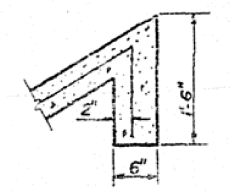
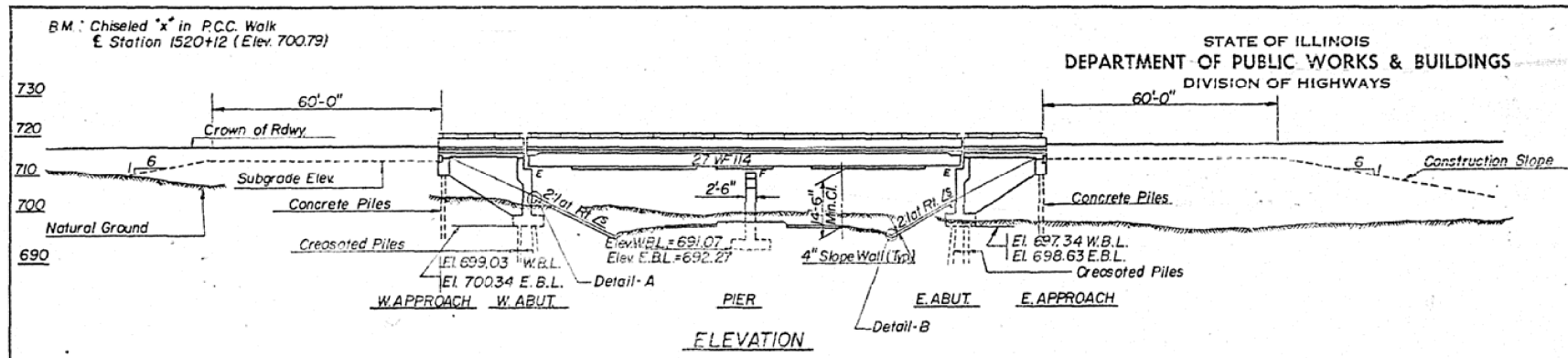
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|---------|-----------|--------------------|-----------|
| VAR. | * | CHAMPAIGN | 27 | 8 |
| * D5 BRIDGE PAINTING 2019-2 | | | CONTRACT NO. 70D24 | |
| ILLINOIS FED. AID PROJECT | | | | |

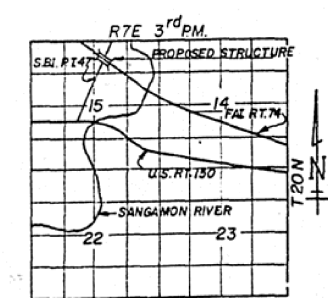
FOR INFORMATION ONLY

| | | | |
|-----------|-----------|--------------|-----------|
| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 10-4HB | CHAMPAIGN | 42 | 13 |
| 12 SHEETS | | | |



STATION 1518+75.19
BUILT 196 BY
STATE OF ILLINOIS
FAI RT. 74 SECTION 10-4HB
FA PROJECT 1-74-5 (38)
LOADING HS 20 B ALT.

NAME PLATE
See Std. 213-1



DESIGN STRESSES

$f_c = 1400$ psi. Super B Sub.
75psi Footing
 $f_s = 20,000$ psi. Reinf.
 $f_s = 20,000$ psi. Struct. (A36)
 $n = 10$
 Δ Deflection = $\frac{Span}{1000}$

LOADING HS-20-44 & ALTERNATE.

GENERAL NOTES

Coarse aggregate to be used in parapet handrails and wingwalls must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58 lbs. per 100 sq. ft.

All reinforcement bars shall be lapped 20 diameters unless otherwise shown.

All Structural Steel shall conform to ASTM specifications for Structural Steel designation A36.

Rivets $\frac{3}{4}$ " open holes $\frac{1}{16}$ " unless otherwise noted.

Anchor bolts shall be set before riveting diaphragms over supports.

All rockers, bolsters, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel. Estimated weight= 9770 lbs.

The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Estimated weight= 4530 lbs.

Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 inclusive of Standard Specifications.

The Contractor shall drive two concrete test piles, one at the West Approach, West Bound Lanes and another at the East Approach, East Bound Lanes; two timber test piles one in the vicinity of the West Abutment, West Bound Lanes and another in the vicinity of the East Abutment, East Bound Lanes. All test piles shall be driven as directed by the Engineer and before ordering the remainder of piles.

Excavations for portions of structures in the embankments shall not be classified.

Permanent forms will not be permitted in forming the concrete deck.

STRESS TABLE (Int.Bm)

| | MOMENTS = ft.kips. | | REACTIONS = kips | |
|--------------|--------------------|---------------|------------------|---------------|
| | .4 Span | Pier | Abut. | Pier |
| D.L. | 218.32 | 333.25 | 19.76 | 61.09 |
| L.L.+Imp | 447.12 | 313.65 | 42.69 | 51.33 |
| Total | 665.44 | 646.90 | 62.45 | 112.42 |

I of 27 WF14 = 4080.5 in⁴
Cover Plates 9"x8" Top & Bottom at Midspans & Pier

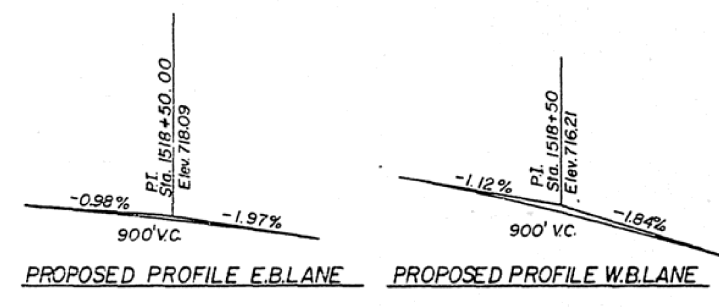
TOTAL BILL OF MATERIAL

| Item | Unit | Super | Sub | Total |
|--|----------|--------|-------|--------|
| * Class 'A' Excavation for Structures. | Cu.Yds. | | 830 | 830 |
| Structural Steel | Lbs. | 260650 | | 260650 |
| Class 'x' Concrete | Cu.Yds. | 408.8 | 410.3 | 819.1 |
| Aluminum Handrail | Lin.Ft. | 619 | | 619 |
| Reinforcement Bars | Lbs. | 102730 | 36080 | 138810 |
| Creosoted Piles | Lin.Ft. | 1995 | 1995 | |
| Test Piles Timber | Each | 2 | 2 | |
| Concrete Piles | Lin.Ft. | 937 | 937 | |
| Test Piles, Concrete | Each | 2 | 2 | |
| Name Plates | Each | 2 | | 2 |
| Slope Wall | Sq.Yds. | | 1150 | 1150 |
| Protective Coat | Sq.Yds. | 1620 | | 1620 |
| Bridge Seat Sealant | Lump Sum | L.S. | | L.S. |

* Includes excavation for Slopewalls.
† Bridge seat sealant applied at Abutments only.

GENERAL PLAN & ELEVATION
PROJECT 1-74-5(38)174
FAI RT 74 - SECTION 10-4HB
CHAMPAIGN COUNTY
STATION 1518+75.19 (FAI 74)
STATION 30+00 (S.B.I. 47)

| | |
|----------|--------------|
| DESIGNED | July 28 1965 |
| CHECKED | EXAMINED |
| DRAWN | PASSED |
| CHECKED | APPROVED |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
LOCATIONS #1 & #2

| | | | | |
|--|---------|-----------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | | CHAMPAIGN | 27 | 9 |
| * D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

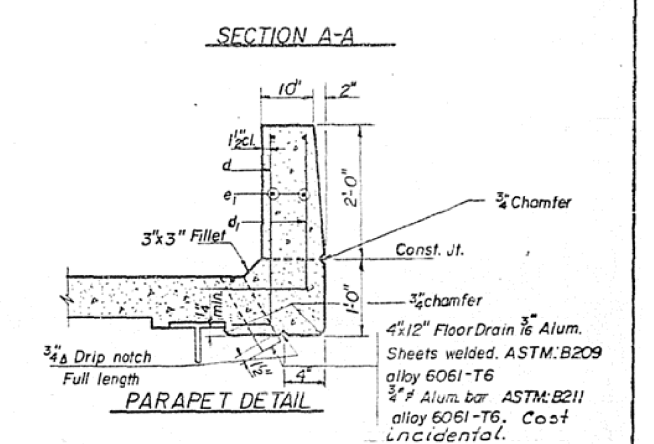
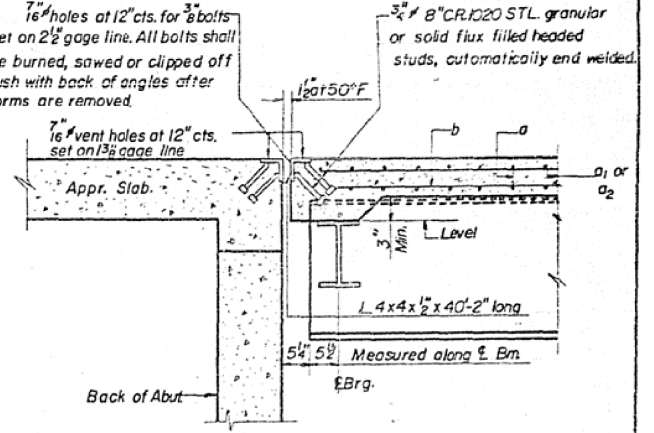
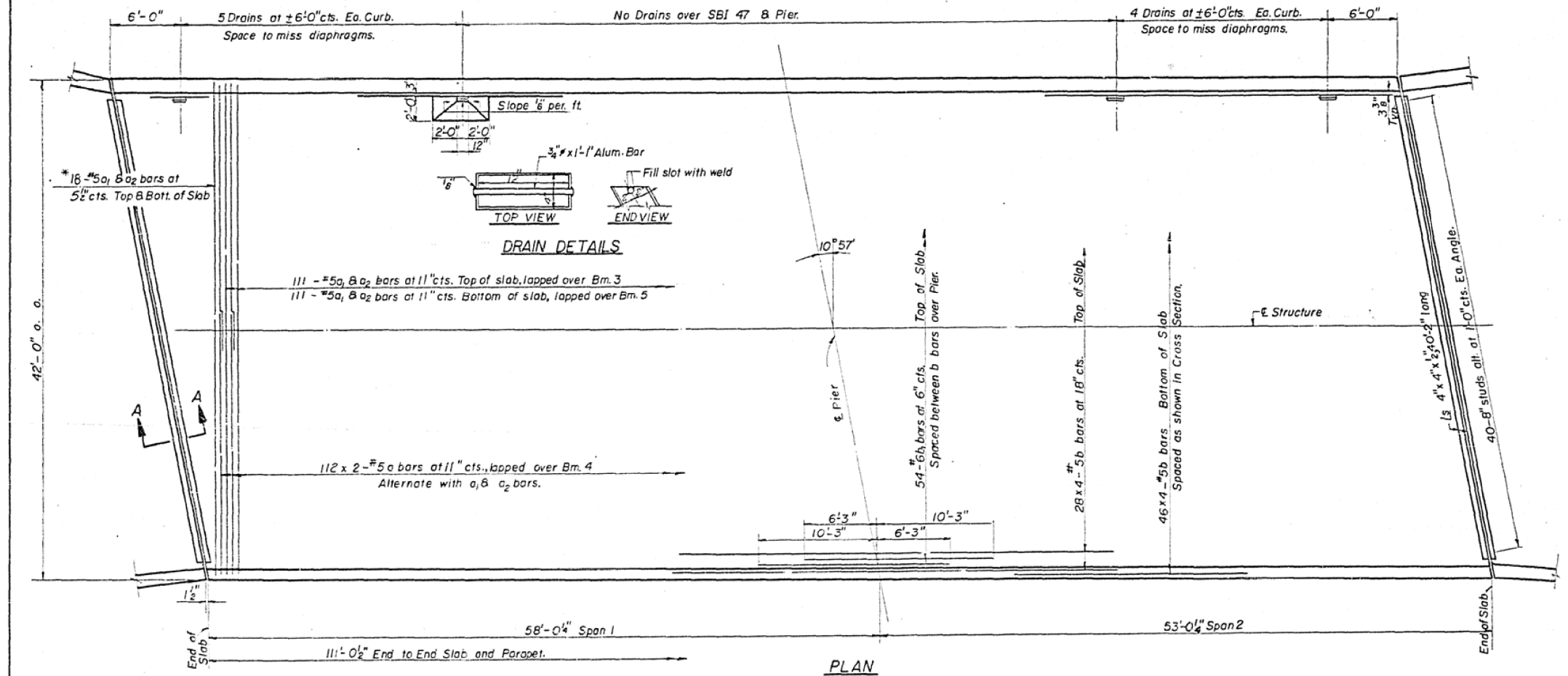
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FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

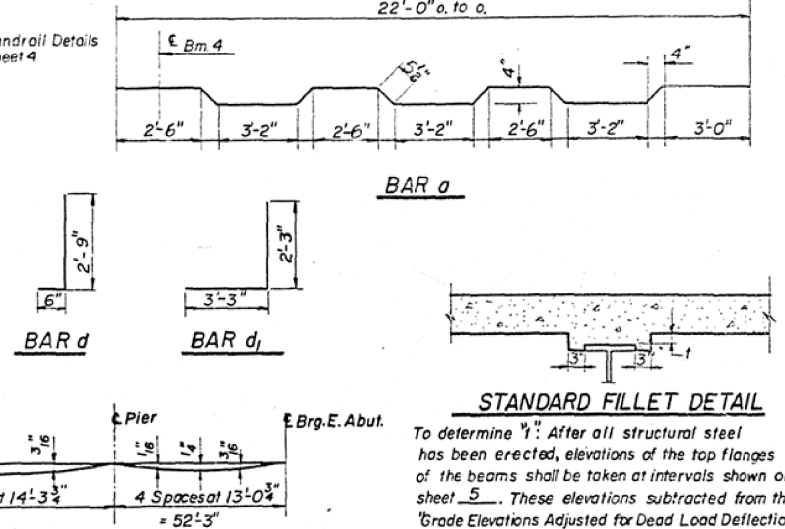
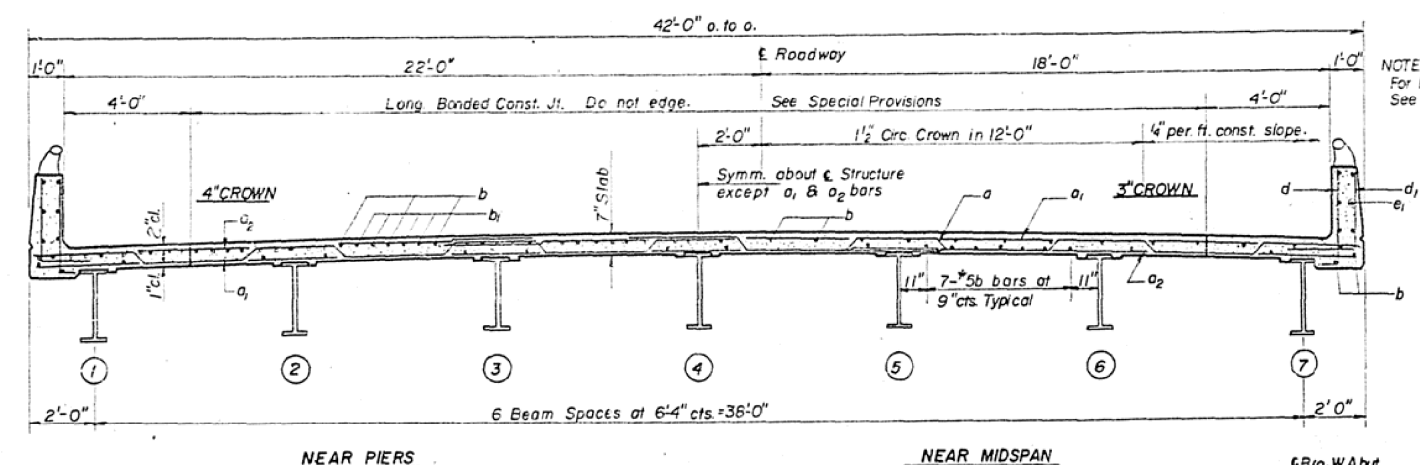
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|-----------|--|---------|--|-------|--|-----------|--|--------------|--|
| ROUTE NO. | | SECTION | | COUNT | | SHEET NO. | | TOTAL SHEETS | |
| 74 | | 10-418 | | 42 | | 14 | | 12 SHEETS | |

* Order a₁ & a₂ bars in this area full length.
Cut to fit skew and use remainder of bar
in opposite end.



BILL OF MATERIAL
(TWO STRUCTURES)

| Bar | No. | Size | Length | Shape |
|--------------------|-----|---------|---------|-------|
| a | 448 | #5 | 22'-9" | |
| a ₁ | 476 | #5 | 28'-6" | |
| a ₂ | 476 | #5 | 15'-6" | |
| b | 592 | #5 | 28'-6" | |
| b ₁ | 108 | #6 | 16'-6" | |
| d | 560 | #5 | 3'-3" | L |
| d ₁ | 448 | #5 | 5'-6" | L |
| e ₁ | 144 | #5 | 18'-3" | |
| Class X Concrete | | Cu Yds. | 247.6 | |
| Reinforcement Bars | | Lbs. | 5996.0 | |
| Structural Steel | | Lbs. | 26065.0 | |



| | |
|-----------------------------|-----------------------------|
| DESIGNED <i>[Signature]</i> | EXAMINED <i>[Signature]</i> |
| CHECKED <i>[Signature]</i> | PASSED <i>[Signature]</i> |
| DRAWN <i>[Signature]</i> | APPROVED <i>[Signature]</i> |
| CHECKED <i>[Signature]</i> | |

CROSS SECTION
(Looking East on W.B.Lanes or Looking West on E.B.Lanes)

* Includes weight of bearing assemblies with lead plates and anchor bolts and weight of expansion devices.

SUPERSTRUCTURE
MAIN SPANS

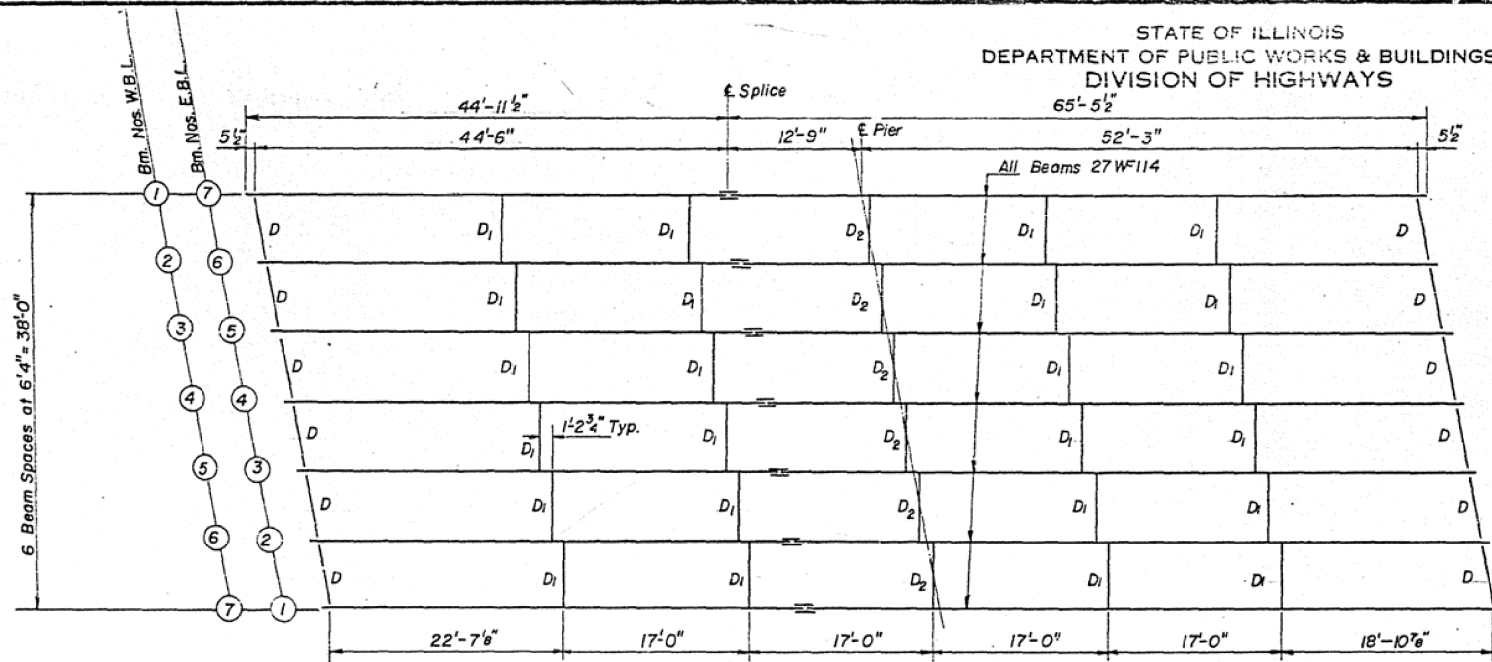
F.A. RT. 74 SECTION 10-418
CHAMPAIGN COUNTY
STATION 158+75.19

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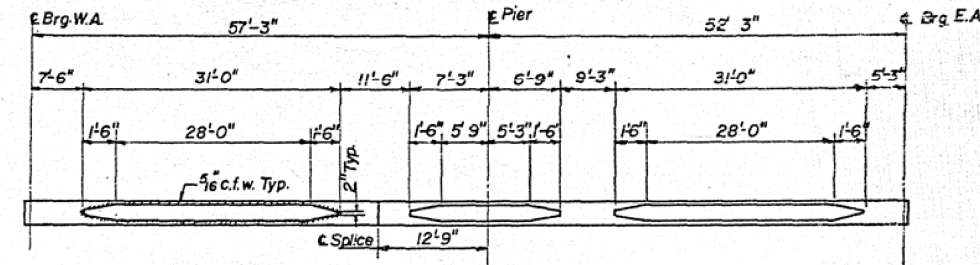
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | |
|-----------|-----------|--------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 10-44B | CHAMPAIGN | 42 | 18 | 12 SHEETS |



LAYOUT



**PLAN OF COVER PLATES
ALL PLATES 9" x 5/8" TOP & BOTTOM**

TABLE OF "I" DIMENSIONS:

| WEST BOUND LANES | | | | | | | |
|------------------|------|------|------|------|------|------|------|
| | Bm 1 | Bm 2 | Bm 3 | Bm 4 | Bm 5 | Bm 6 | Bm 7 |
| E Brg W.Abt | 3/8" | - | - | 1/2" | 1/8" | 1/8" | - |
| E Pier | 3/8" | - | - | 1/2" | 1/8" | 1/8" | - |
| E Brg E.Abt | 3/8" | - | - | 1/2" | 1/8" | 1/8" | - |

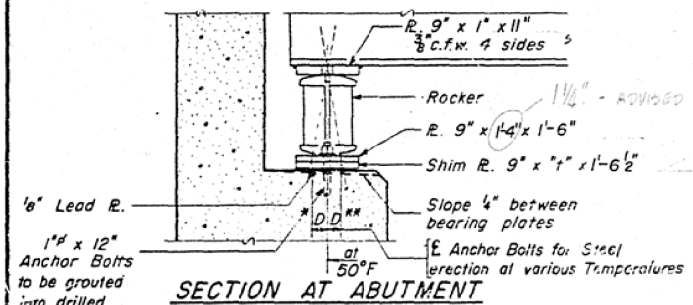
| EAST BOUND LANES | | | | | | | |
|------------------|------|------|------|------|------|------|------|
| | Bm 7 | Bm 6 | Bm 5 | Bm 4 | Bm 3 | Bm 2 | Bm 1 |
| E Brg W.Abt | - | 1/4" | 1/8" | - | - | - | - |
| E Pier | - | 1/4" | 1/8" | - | - | - | - |
| E Brg E.Abt | - | 1/4" | 1/8" | - | - | - | - |

ELEVATION TOP OF W'

| WEST BOUND LANES | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|
| | Bm 1 | Bm 2 | Bm 3 | Bm 4 | Bm 5 | Bm 6 | Bm 7 |
| E Brg W.Abt | 75.17 | 75.28 | 75.38 | 75.42 | 75.39 | 75.29 | 75.14 |
| E Splice | 74.45 | 74.56 | 74.66 | 74.70 | 74.67 | 74.57 | 74.42 |
| E Pier | 74.27 | 74.38 | 74.48 | 74.52 | 74.49 | 74.39 | 74.24 |
| E Brg E.Abt | 73.54 | 73.65 | 73.75 | 73.79 | 73.76 | 73.66 | 73.51 |

| EAST BOUND LANES | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|
| | Bm 7 | Bm 6 | Bm 5 | Bm 4 | Bm 3 | Bm 2 | Bm 1 |
| E Brg W.Abt | 76.55 | 76.66 | 76.73 | 76.72 | 76.64 | 76.50 | 76.35 |
| E Splice | 75.82 | 75.93 | 76.00 | 75.99 | 75.91 | 75.77 | 75.62 |
| E Pier | 75.64 | 75.75 | 75.82 | 75.81 | 75.73 | 75.59 | 75.44 |
| E Brg E.Abt | 74.90 | 75.01 | 75.08 | 75.07 | 74.99 | 74.85 | 74.70 |

**STRUCTURAL STEEL
FA.I.R.T. 74 SEC. 10-4HB
CHAMPAIGN COUNTY
STATION 1518+75.19**

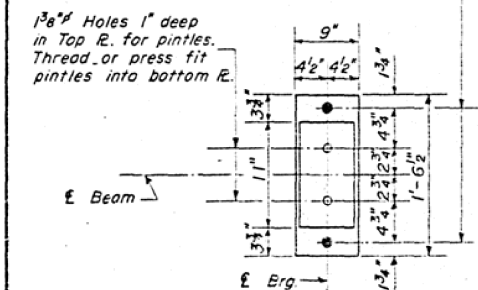


SECTION AT ABUTMENT

1 1/8" - ADVISED BY BRIDGE OFFICE ON 7-12-66

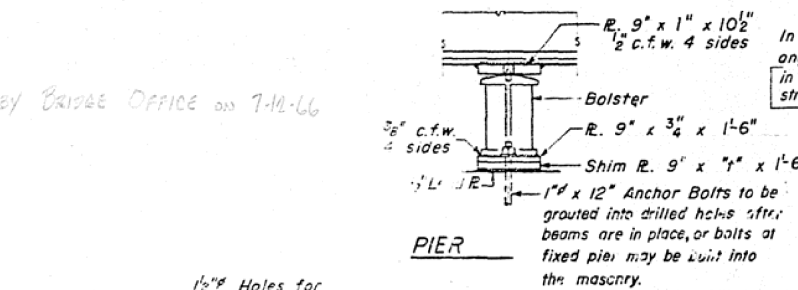
$D = \frac{1}{8}''/100 \text{ ft. of exp. for every } 15^\circ \text{ below the normal temp. of } 50^\circ \text{ F.}$
 $D = \frac{1}{8}''/100 \text{ ft. of exp. for every } 15^\circ \text{ above the normal temp. of } 50^\circ \text{ F.}$

1/2" Holes for 1 1/4" x 12" anchor bolts. 2 1/2" x 2 1/2" x 3/16" R. washers under nut.

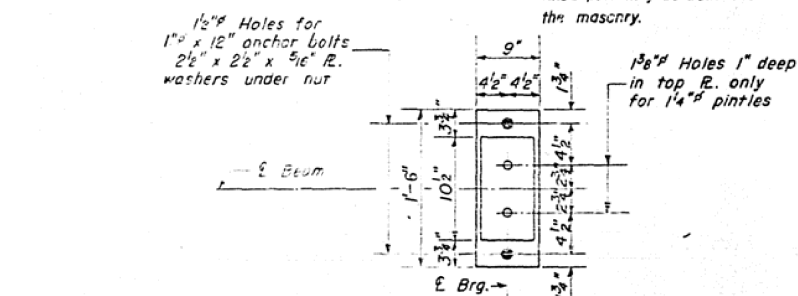


PLAN

DETAIL OF PINTLE



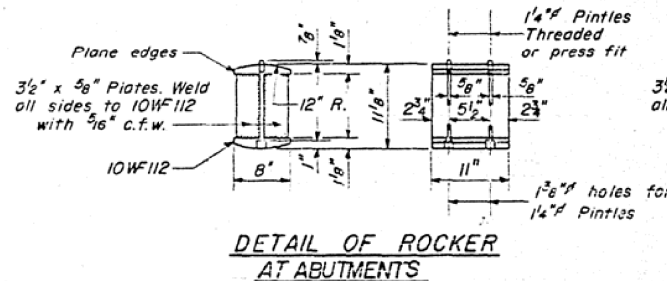
PIER



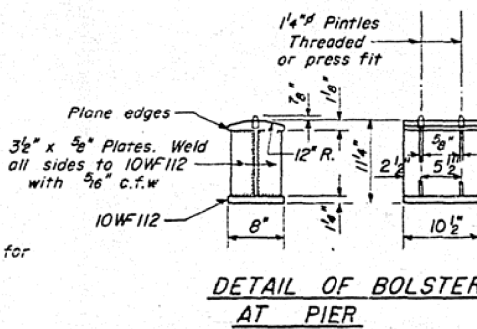
PLAN

**DIAPHRAGM D
24 Required**

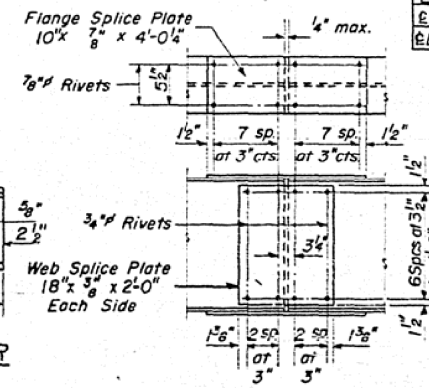
**DIAPHRAGM D1 & D2
D1 48 Required
D2 12 Required**



DETAIL OF ROCKER AT ABUTMENTS



DETAIL OF BOLSTER AT PIER



DETAIL OF SPLICE

| | | | |
|----------|-------------------------|----------|---------------------|
| DESIGNED | <i>A. Subwall</i> | EXAMINED | <i>July 28 1965</i> |
| CHECKED | <i>I. Keiper</i> | PASSED | <i>[Signature]</i> |
| DRAWN | <i>W. A. Sauson Jr.</i> | APPROVED | <i>[Signature]</i> |

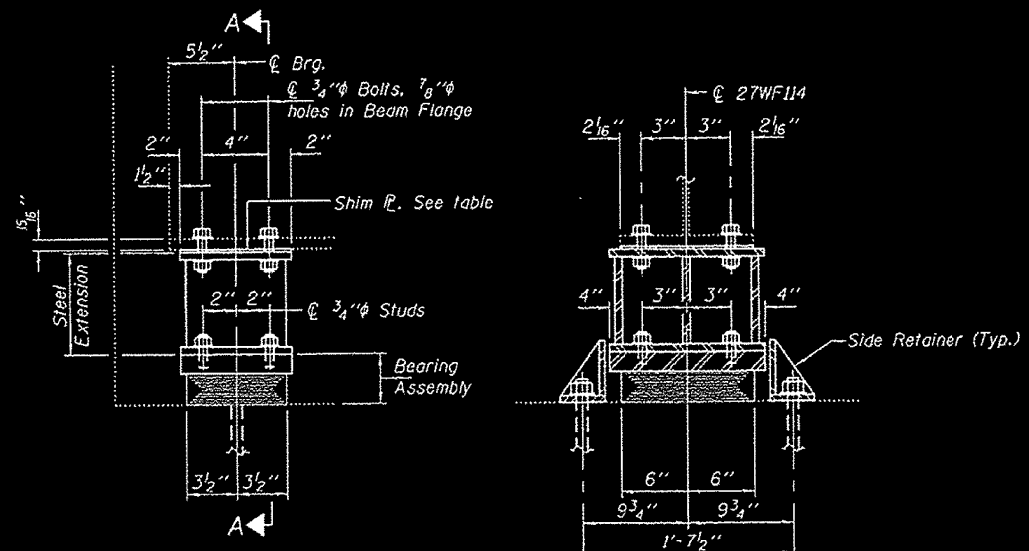
I-2 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
LOCATIONS #1 & #2

SCALE: N/A SHEET 3 OF 5 SHEETS STA. TO STA.

| | | | | |
|-----------------------------|---------|-----------|--------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | CHAMPAIGN | 27 | 11 |
| * D5 BRIDGE PAINTING 2019-2 | | | CONTRACT NO. 70D24 | |
| ILLINOIS | | | FED. AID PROJECT | |



ELEVATION AT ABUTMENTS

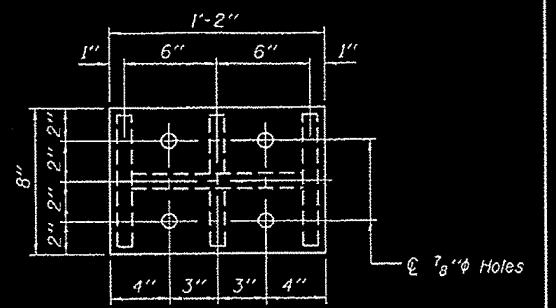
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

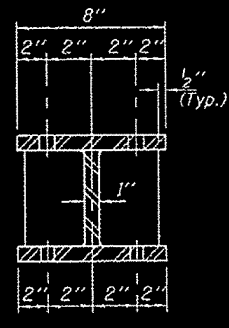
BEAM REACTIONS

| | |
|--------------------|------|
| RP (K) | 19.8 |
| R _L (K) | 33.5 |
| Imp. (K) | 9.2 |
| R (Total) (K) | 62.5 |

Notes:
 Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
 New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
 Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).
 Min. jack capacity = 35 Tons.
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi).
 The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type I.



PLAN TOP AND BOTTOM PLATE



SECTION B-B

STEEL EXTENSION DETAIL

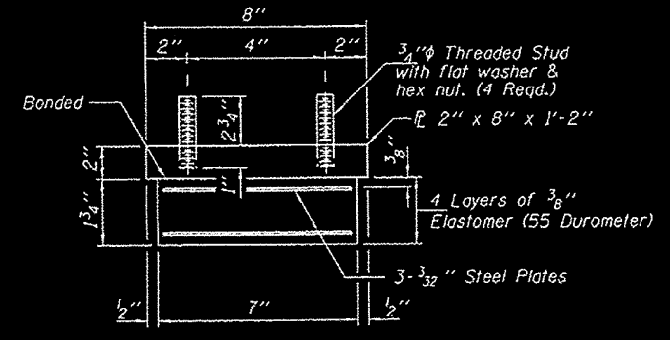
* 9 1/4" E. Abut. Beam 7 SN 010-0015
 ** 7 1/4" E. Abut. Beam 7 SN 010-0015

SHIM TABLE 010-0014

| | Beam 1 | Beam 2 | Beam 3 | Beam 4 | Beam 5 | Beam 6 | Beam 7 |
|----------|--------|--------|--------|--------|--------|--------|--------|
| W. Abut. | 3/8" | - | - | 1/2" | 1/8" | 1/8" | - |
| E. Abut. | 3/8" | - | - | 1/8" | 1/8" | 1/8" | - |

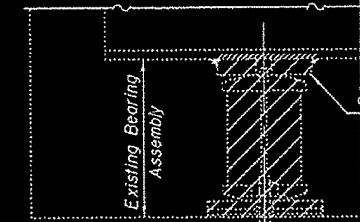
SHIM TABLE 010-0015

| | Beam 1 | Beam 2 | Beam 3 | Beam 4 | Beam 5 | Beam 6 | Beam 7 |
|----------|--------|--------|--------|--------|--------|--------|--------|
| W. Abut. | - | 1/4" | 1/8" | - | - | - | - |
| E. Abut. | - | 1/4" | 1/8" | - | - | - | - |



BEARING ASSEMBLY

Note:
 Shim plates shall not be placed under Bearing Assembly.



EXISTING BEARING REMOVAL DETAIL

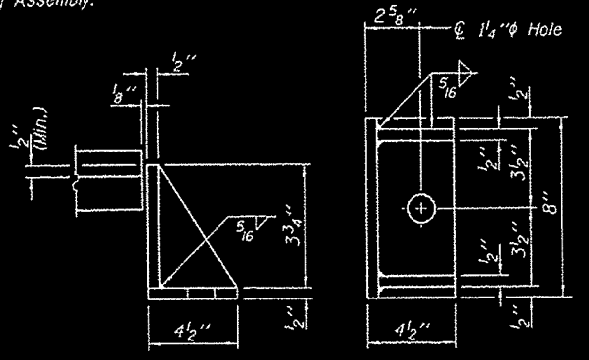
Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL 010-0014

| Item | Unit | Total |
|--|-------|-------|
| Elastomeric Bearing Assembly, Type I | Each | 14 |
| Jack and Remove Existing Bearings | Each | 14 |
| Furnishing and Erecting Structural Steel | Pound | 1920 |
| Anchor Bolts 1"φ | Each | 28 |

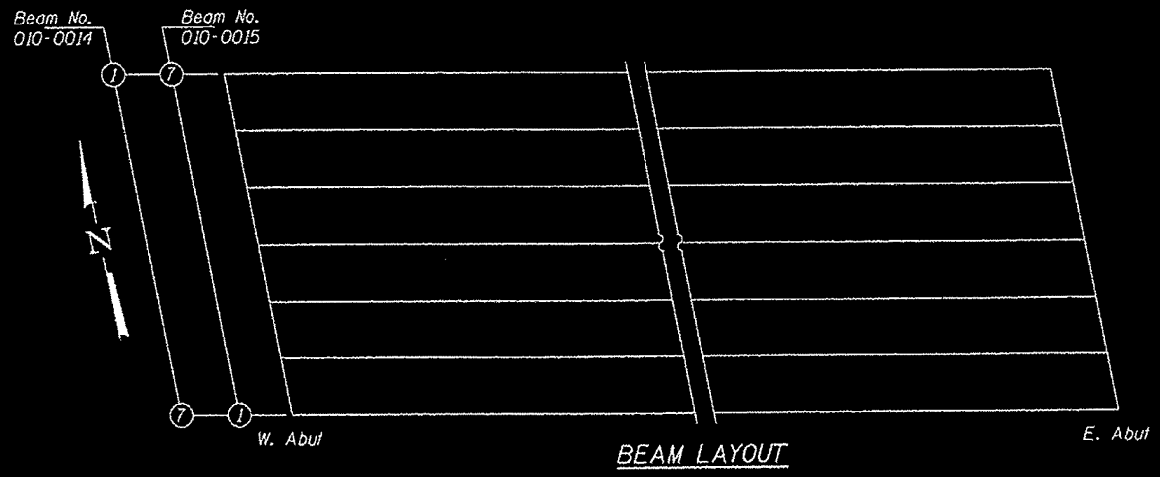
BILL OF MATERIAL 010-0015

| Item | Unit | Total |
|--|-------|-------|
| Elastomeric Bearing Assembly, Type I | Each | 14 |
| Jack and Remove Existing Bearings | Each | 14 |
| Furnishing and Erecting Structural Steel | Pound | 1890 |
| Anchor Bolts 1"φ | Each | 28 |



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



BEAM LAYOUT

TYI/REPS 12-03-2008

| | |
|-----------------|-------------------------|
| DESIGNED SMR | DATE SEPTEMBER 23, 2016 |
| CHECKED DAB | REVISIONS |
| DRAWN baliva | REVISIONS |
| CHECKED SMR DAB | REVISIONS |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ABUTMENT BEARING REPLACEMENT DETAILS
 SN 010-0014 (WB) & 0015 (EB)

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|--------------|-----------|--------------|-----------|
| 74 | (10-4.10-51) | CHAMPAIGN | 74 | 30 |
| | | | CONTRACT NO. | 70B15 |

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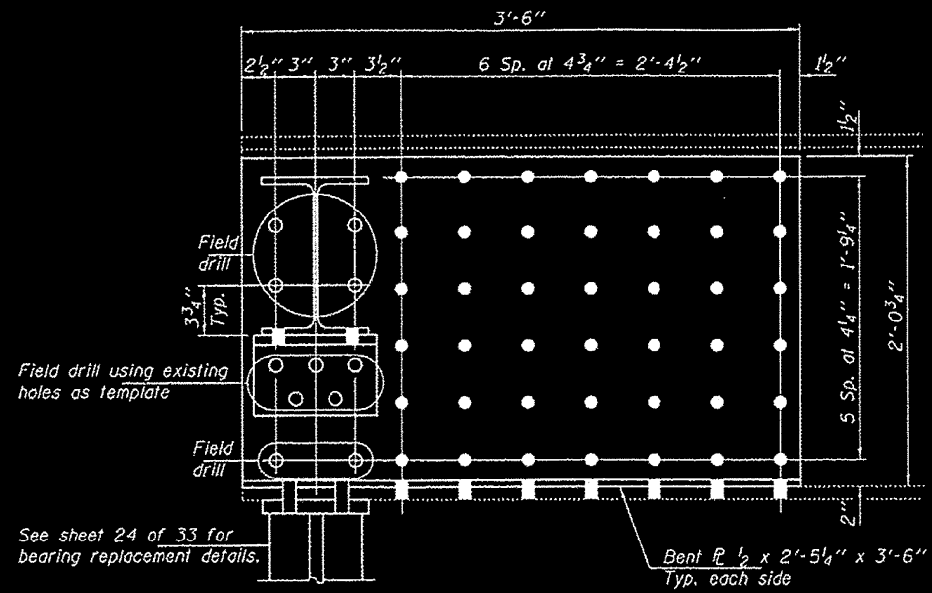
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|------------------------------|------------|-------------|
| USER NAME = leroyma | DESIGNED - | REVISIONS - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISIONS - |
| PLOT DATE = 8/15/2018 | CHECKED - | REVISIONS - |
| | DATE - | REVISIONS - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

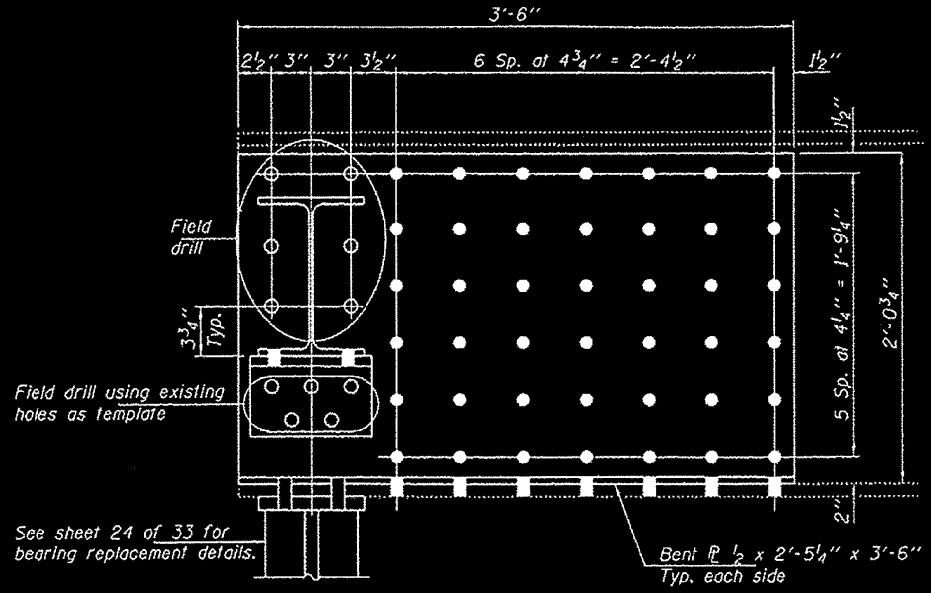
FOR INFO ONLY - STRUCTURE DETAILS FOR
 LOCATIONS #1 & #2

SCALE: N/A SHEET 4 OF 5 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|-----------|--------------|-----------|
| 74 | * | CHAMPAIGN | 27 | 12 |
| | | | CONTRACT NO. | 70D24 |
| ILLINOIS FED. AID PROJECT | | | | |

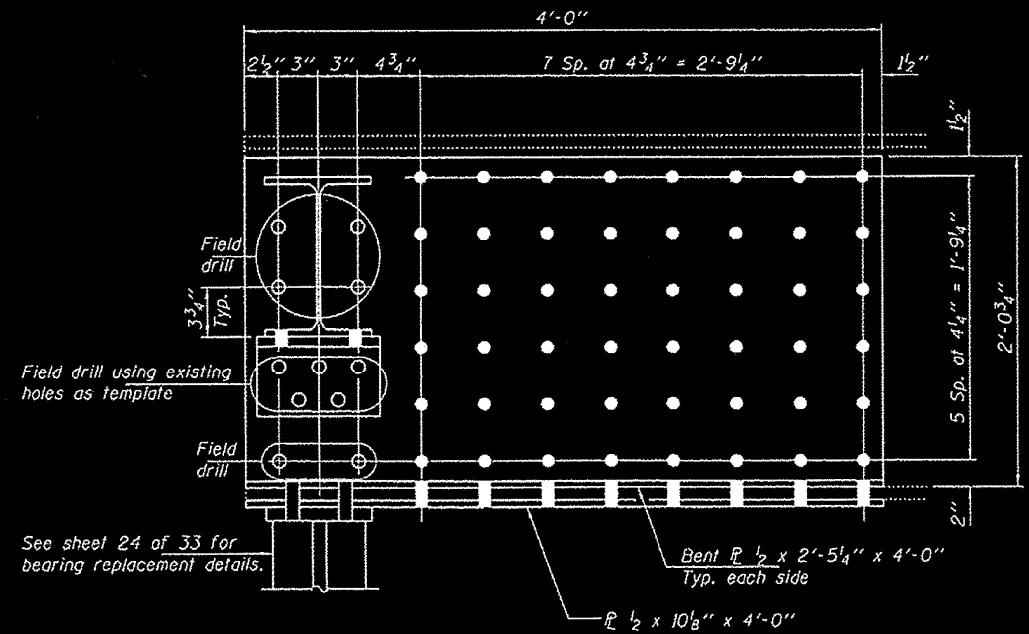


REPAIR A

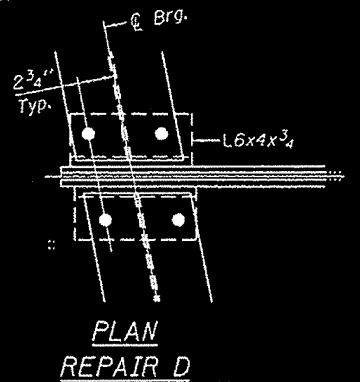


REPAIR B

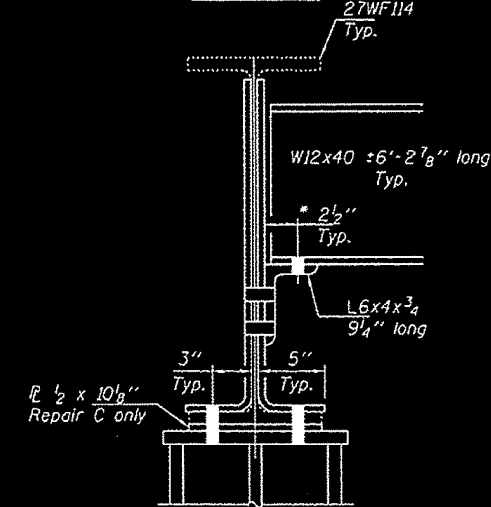
Field drill holes in existing steel using new steel as template.



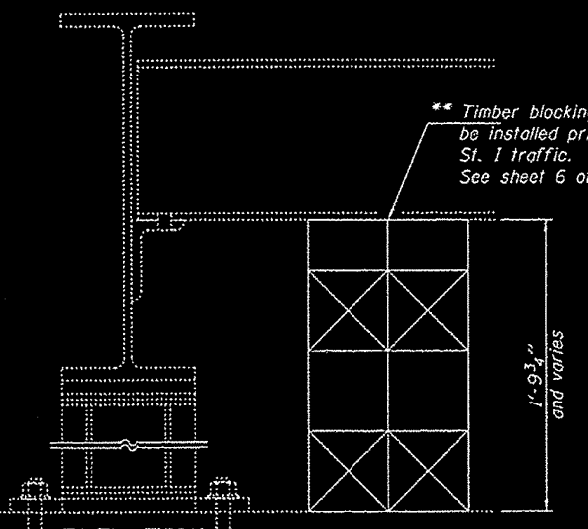
REPAIR C



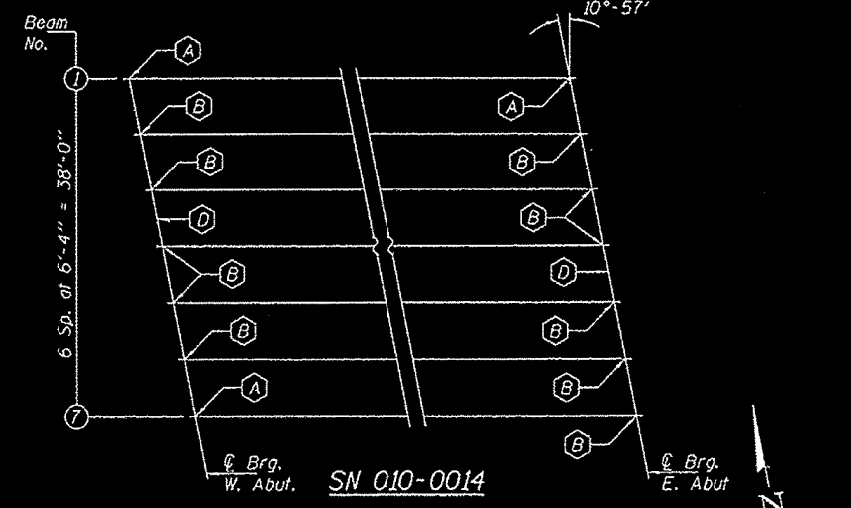
PLAN REPAIR D



ELEVATION REPAIR D



ELEVATION REPAIR E



REPAIR LOCATION PLAN

- (A) - Beam end repair
- (B) - Beam end repair
- (C) - Beam end repair
- (D) - Diaphragm & clip angle replacement, Typ. all
- (E) - Timber blocking

BILL OF MATERIAL 010-0014

| Item | Unit | Total |
|--|-------|-------|
| Structural Steel Removal | Pound | 3560 |
| Furnishing and Erecting Structural Steel | Pound | 9130 |

BILL OF MATERIAL 010-0015

| Item | Unit | Total |
|--|-------|-------|
| Structural Steel Removal | Pound | 3560 |
| Furnishing and Erecting Structural Steel | Pound | 9270 |

Cleaning & painting of all connections on this sheet shall meet the requirements for Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
Fasteners shall be high strength bolts. Bolts 7/8"φ, open holes 15/16"φ, unless otherwise noted.
Diaphragm connection holes shall be 15/16"φ for 3/4"φ bolts. Two hardened washers shall be required at diaphragm connections.

| | |
|----------|---------|
| DESIGNED | DAB |
| CHECKED | ATH |
| DRAWN | baliva |
| CHECKED | DAB ATH |

| | |
|----------|--------------------|
| DATE | SEPTEMBER 23, 2016 |
| DESIGNED | |
| DRAWN | |
| CHECKED | |
| DATE | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
SN 010-0014 (WB) & 0015 (EB)
SHEET NO. 24A OF 33 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|-----------|---------------------------|-----------|
| 74 | (10-4,10-5) | CHAMPAIGN | 74 | 30A |
| CONTRACT NO. 70B15 | | | ILLINOIS FED. AID PROJECT | |

| | | |
|------------------------------|------------|----------|
| USER NAME = leroyma | DESIGNED - | REVISD - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISD - |
| PLOT DATE = 8/15/2018 | CHECKED - | REVISD - |
| | DATE - | REVISD - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
LOCATIONS #1 & #2
SCALE: N/A SHEET 5 OF 5 SHEETS STA. TO STA.

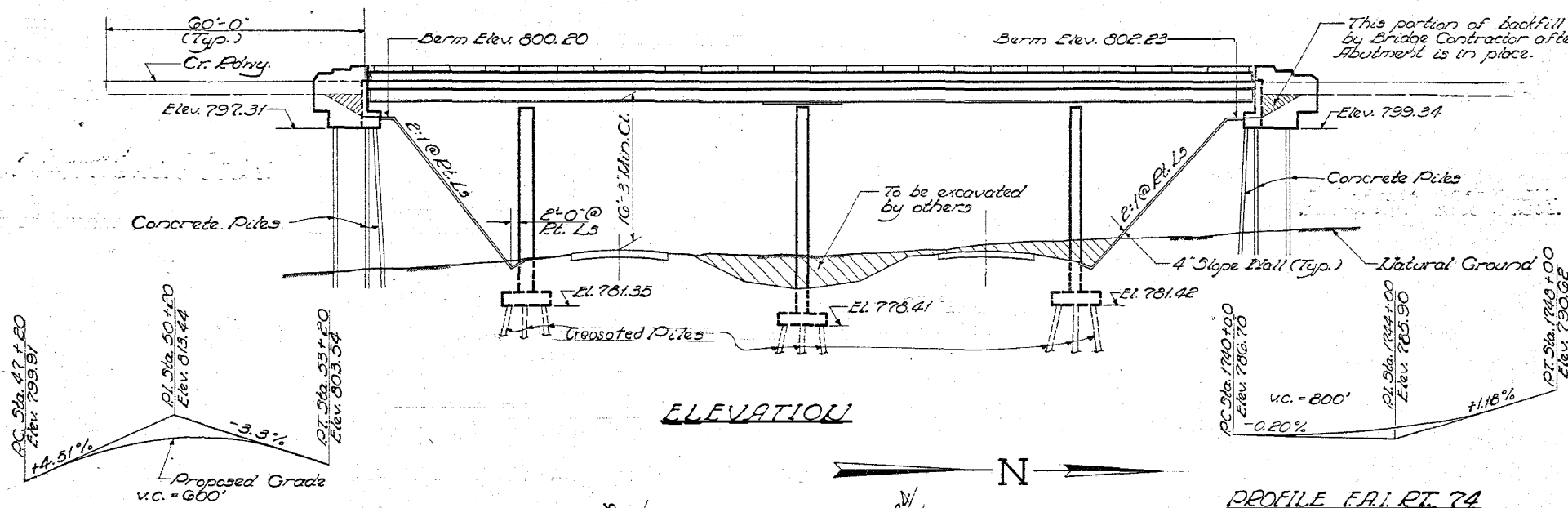
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|---------|-----------|--------------------|-----------|
| 74 | | CHAMPAIGN | 27 | 13 |
| * D5 BRIDGE PAINTING 2019-2 | | | CONTRACT NO. 70D24 | |
| ILLINOIS FED. AID PROJECT | | | | |

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B.M. : U.S.C. & G.S. T-204 On South End of West
 Abut. of Culvert Sta. 48+226 Elev. = 784.41.

FOR INFORMATION ONLY
 STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

| | | | | | |
|-----------|-----------|--------|--------------|-----------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 1 |
| 10-548 | Champaign | 25 | 6 | 10 SHEETS | |

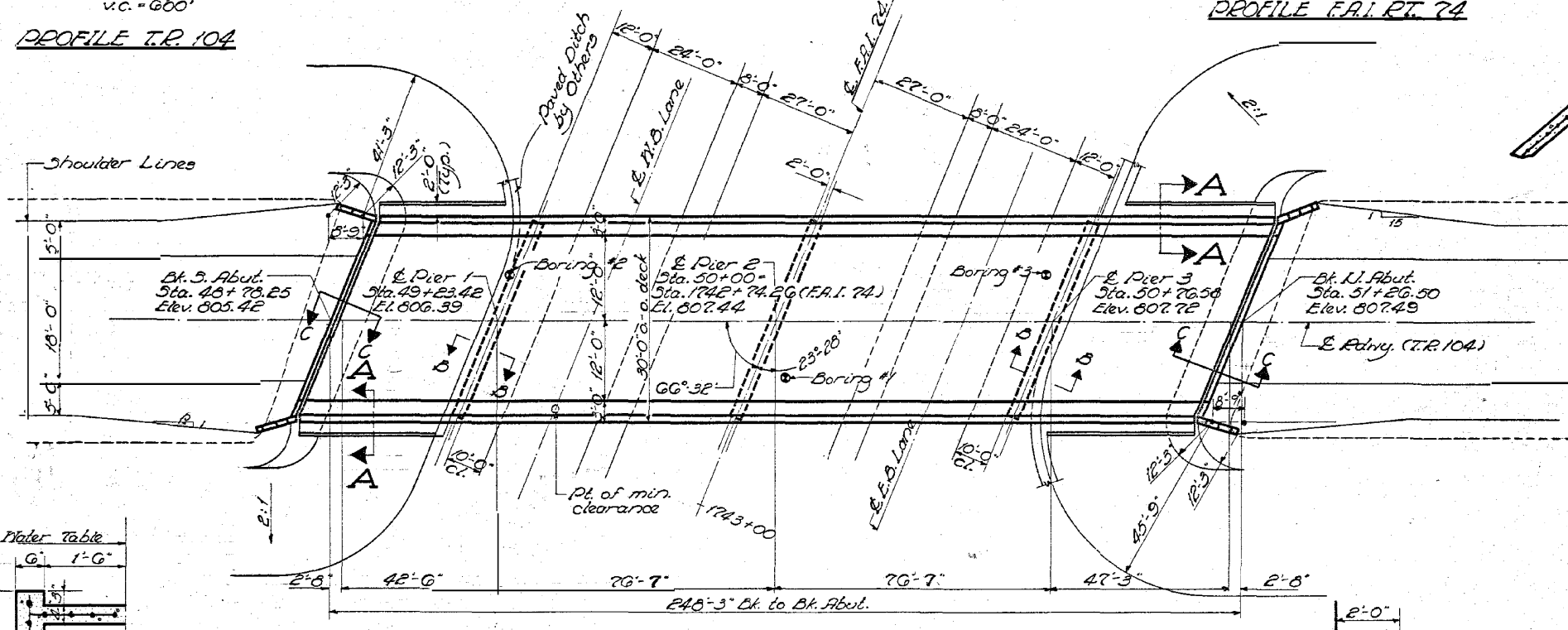


ELEVATION

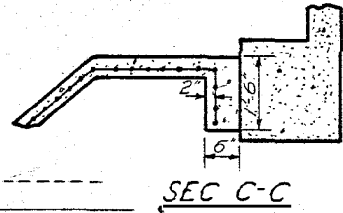
GENERAL NOTES
 Coarse aggregate to be used in parapet handrails and end posts must be free of chert, flint, limonite, lignite and soft sandstone.
 The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
 Slope Wall shall be reinforced with welded wire fabric G x G mesh, weighing 58 # per 100 sq. ft.
 All reinforcement bars shall be lapped 20 diameters unless otherwise shown.
 Pile caps shall be cast on open piles unless otherwise noted.
 Anchor bolts shall be set before riveting diaphragms over supports.
 All Structural Steel shall conform to A.S.T.M. A-36 Specifications.
 The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.
 Expansion guards are included in the quantity of Structural Steel. Estimated Weight = 720 lbs..
 Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint, and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Std. Specifications.
 The Contractor shall drive one concrete test pile and one timber test pile, for locations see Sheets #6 & #7, as directed by the Engineer before ordering the remainder of piles.
 Embankments to be constructed prior to driving piles at Piers #1 & #3.
 Concrete piles at abutments shall be driven in holes precored through the embankment in accordance with Article 60.9 (c) of the Standard Specifications.
 Permanent Metal forms will not be permitted for forming the slab.

PROFILE T.R. 104

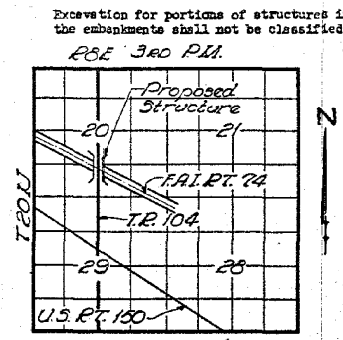
PROFILE F.A.I. RT. 74



PLAN



SEC C-C

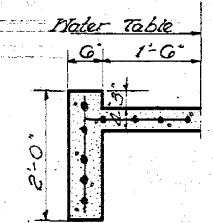


LOCATION PLAN

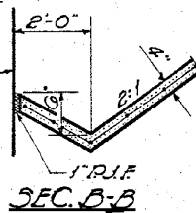
TOTAL BILL OF MATERIAL

| Item | Unit | Super | Sub | Total |
|---------------------------------|----------|---------|--------|---------|
| * Class A Excav. for Structures | Cu. Yds. | | 150 | 150 |
| Class X Concrete | Cu. Yds. | 229.7 | 216.1 | 445.8 |
| Structural Steel | Lbs. | 180,120 | | 180,120 |
| Aluminum Handrail | Lin. Ft. | 490 | | 490 |
| Reinforcement Bars | Lbs. | 47,560 | 17,670 | 65,230 |
| Crested Piles (20'-1 to 38') | Lin. Ft. | | 1,910 | 1,910 |
| Test Piles (Timber) | Each | | 1 | 1 |
| Concrete Piles | Lin. Ft. | | 1,020 | 1,020 |
| Test Piles (Conc.) | Each | | 1 | 1 |
| Name Plates | Each | | 2 | 2 |
| Slope Wall (4') | Sq. Yds. | | | 370 |
| Protective Coat | Sq. Yds. | 510 | | 910 |

* Includes excavation for Slope Wall



SEC A-A



SEC B-B

DESIGNED: Alex. Harris
 CHECKED: John X. Clark
 DRAWN: Jacobs
 CHECKED: John W. Clark
 EXAMINED: W.E. Baumann
 PASSED: [Signature]
 APPROVED: U.E. [Signature]
 Aug 12 1944

STATION 1742+74.26
 BUILT 196 BY
 STATE OF ILLINOIS
 F.A.I. RT. 74-SEC. 10-548
 F.A. PROJ. 74-5(33)
 LOADING HS15
NAME PLATE
 See Std. 2113-1

DESIGN STRESSES
 Fc = 1400 p.s.i. Super & Sub.
 Fs = 20,000 p.s.i. Reinf.
 Fb = 20,000 p.s.i. Struct. (A-36)
 Vc = 75 p.s.i. Figs.
 n = 10
 LOADING: HS15-44

PROJ. 74-5(33)177
GENERAL PLAN & ELEVATION
 T.R. 104 OVER F.A.I. RT. 74
 F.A.I. RT. 74-SEC. 10-548
 CHAMPAIGN COUNTY
 STA. 1742+74.26

MODEL: SHODEN.MXD FILE: NAME: P:\ILLINOIS\BID\DOT\Documents\BIDD\Office\BIDD\DOT\CADD\DATA\CAD\BIDD\DOT\45\Specs_Bulldozing

| | | |
|-----------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
 LOCATION #3

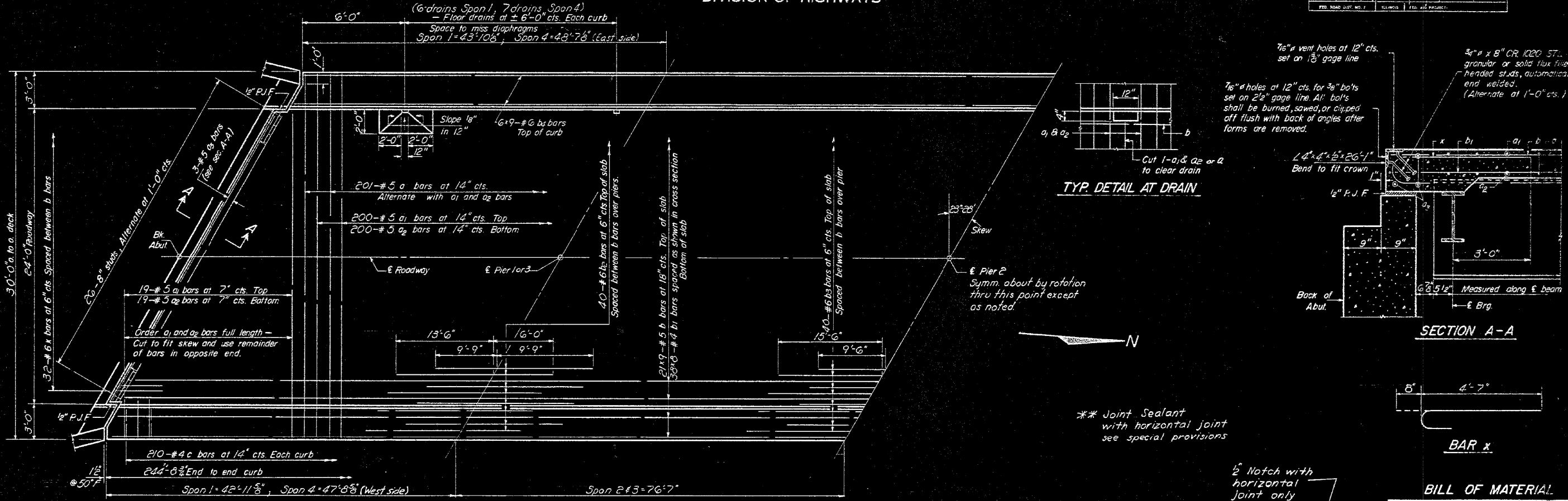
SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

| | | | | |
|--|---------|-----------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | CHAMPAIGN | 27 | 14 |
| * D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

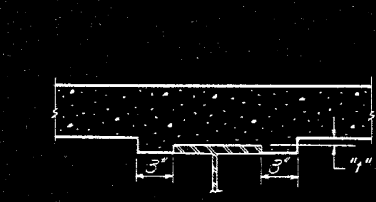
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | |
|-----------------------|---------|---------------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| F.A.I. 74 | 10-5HB | Champaign | 25 | 8 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS FED. AID PROJECT | | 10 SHEETS |



Note:
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min bar laps = 20 dia.



To determine "y": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 2. These elevations subtracted from the "Grade Elevations Adjusted for Dead Load Deflections" shown on sheet 2, minus slab thickness, equals the fillet heights "y" above top of beams.

| | | | |
|----------|-------------------|----------|-----------------|
| DESIGNED | W. J. Harris | EXAMINED | W. E. Dickerson |
| CHECKED | John W. Clark Jr. | PASSED | W. E. Dickerson |
| DRAWN | D. L. Beemer | APPROVED | U. E. Clark |
| CHECKED | John W. Clark Jr. | | |

Aug. 12, 1964

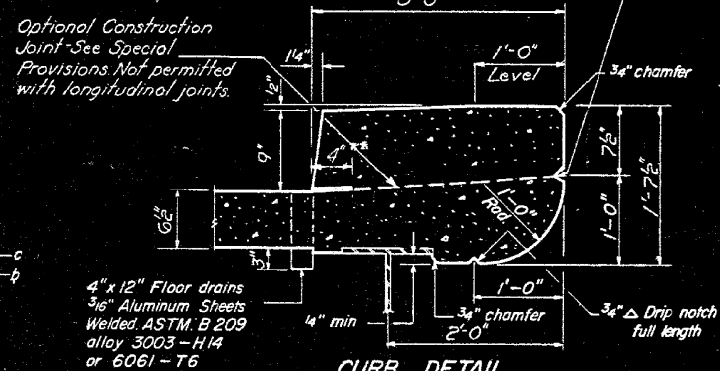
I-5-L (>15°) 10-10-62

BILL OF MATERIAL

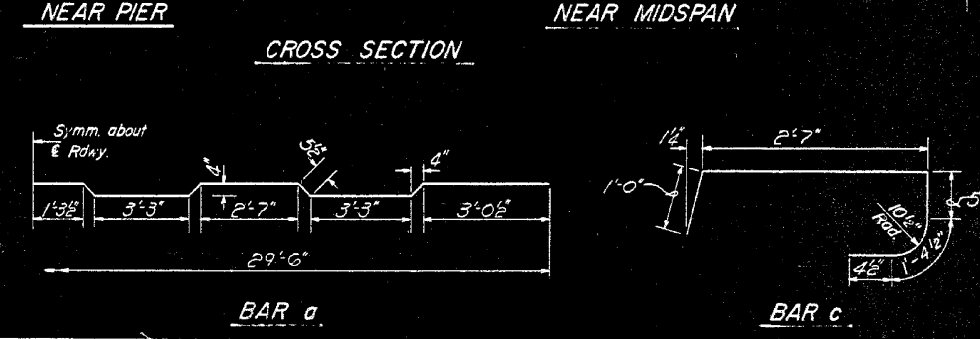
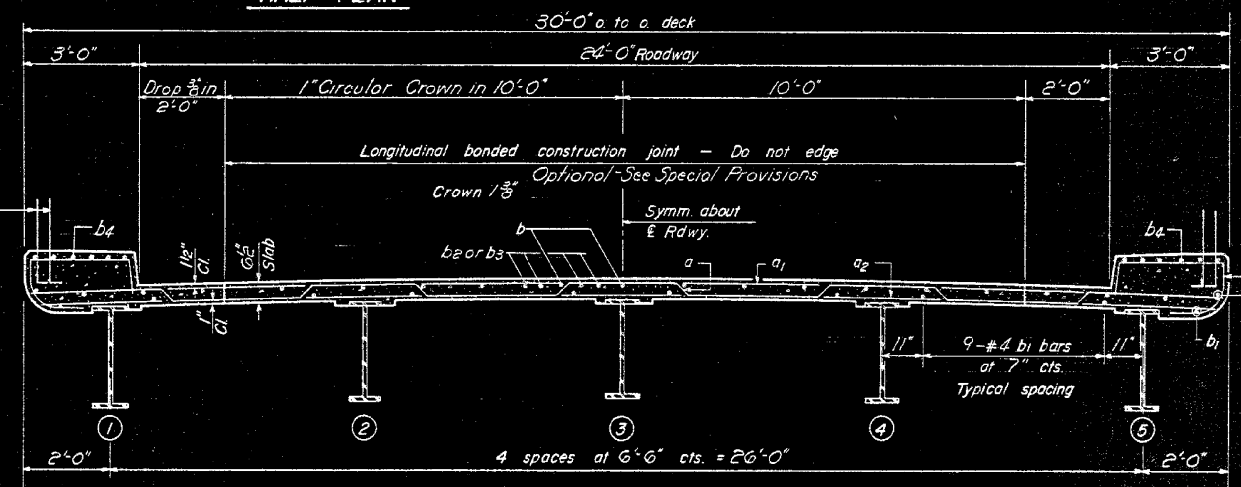
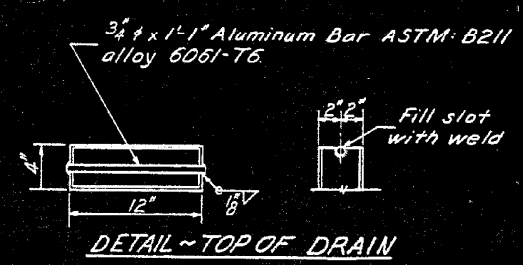
| Bar | No | Size | Length | Shape |
|-----|-----|------|--------|-------|
| a | 201 | #5 | 30'-6" | |
| a1 | 219 | #5 | 29'-6" | |
| a2 | 219 | #5 | 28'-6" | |
| a3 | 6 | #5 | 25'-9" | |
| b | 189 | #5 | 28'-6" | |
| b1 | 304 | #4 | 31'-6" | |
| b2 | 80 | #6 | 19'-6" | |
| b3 | 40 | #6 | 25'-0" | |
| b4 | 108 | #6 | 28'-6" | |
| c | 420 | #4 | 5'-9" | |
| x | 64 | #6 | 5'-3" | |

| | | |
|--------------------|---------|---------|
| Reinforcement Bars | Lbs. | 42,410 |
| Structural Steel | Lbs. | 180,120 |
| Class X Concrete | Cu. Yd. | 204.7 |

* Weight of bearing assemblies with lead plates, and anchor bolts are included as structural steel. Est. Wt = 6870 lbs.



Cost of Aluminum Drains shall be incidental to Class X Concrete.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
LOCATION #3

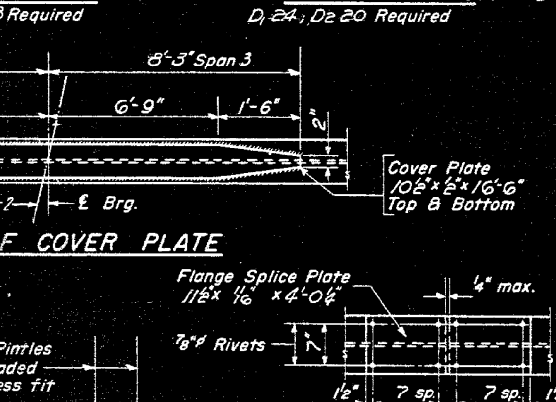
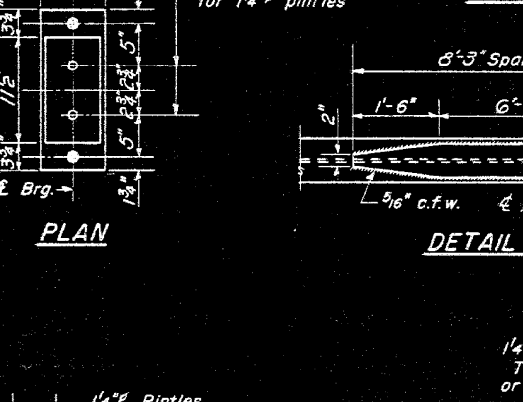
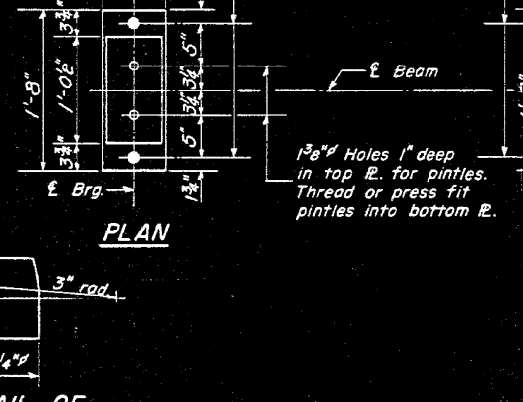
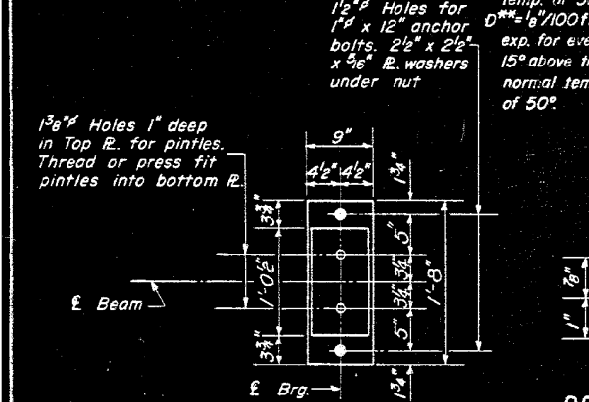
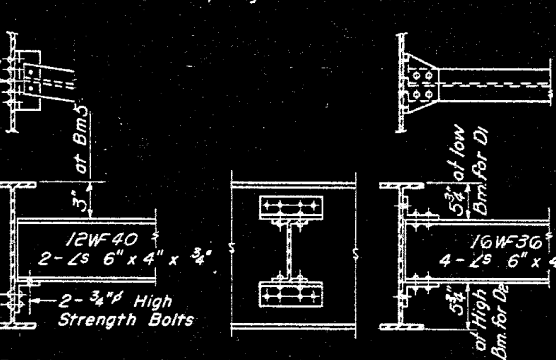
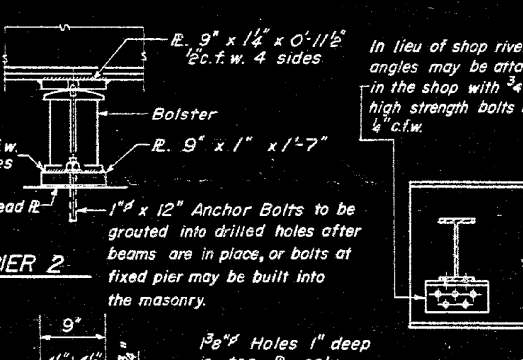
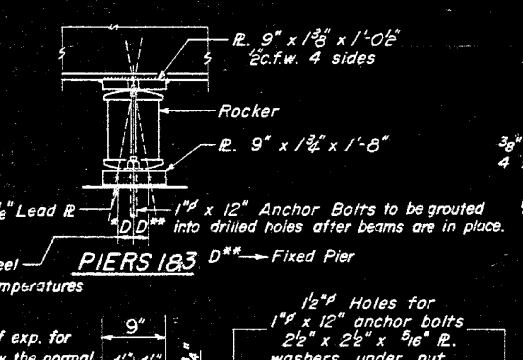
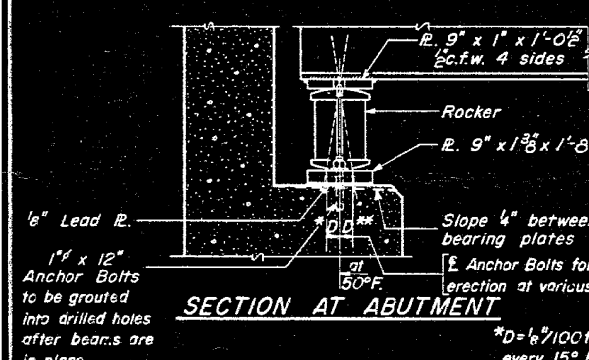
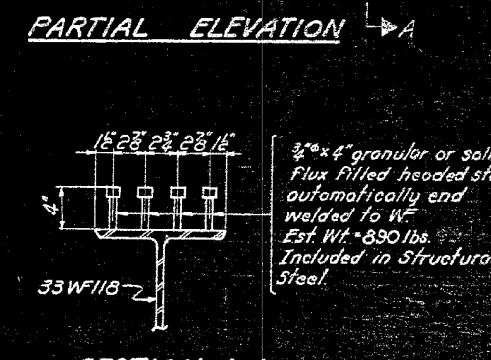
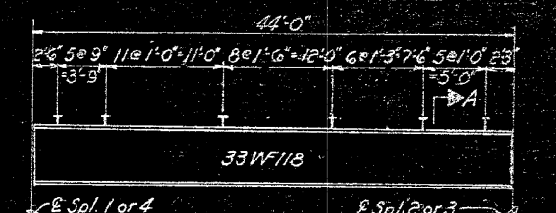
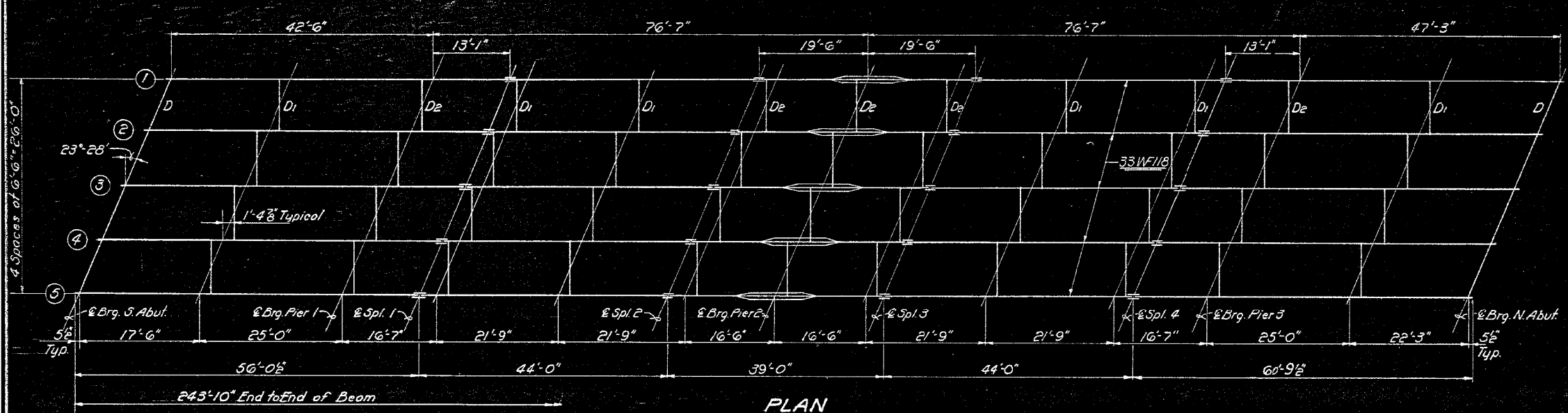
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|-----------------------------|---------|---------------------|--------------|--------------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | CHAMPAIGN | 27 | 15 |
| * D5 BRIDGE PAINTING 2019-2 | | CONTRACT NO. 70D24 | | |
| SCALE: N/A | | SHEET 2 OF 3 SHEETS | | STA. TO STA. |

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FOR INFORMATION ONLY

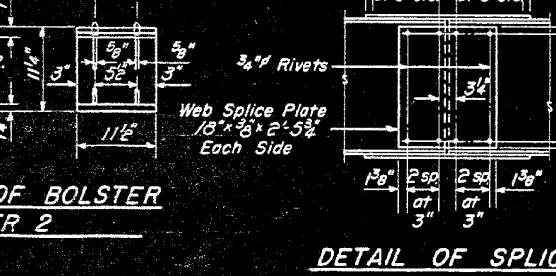
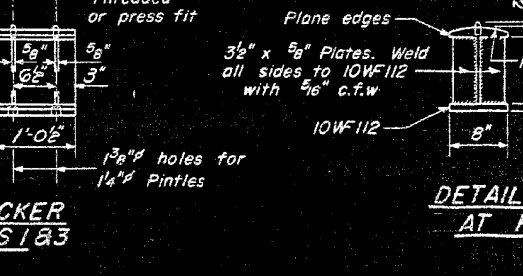
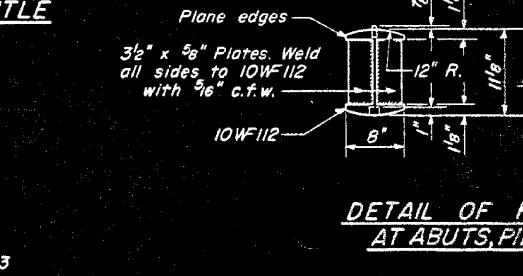
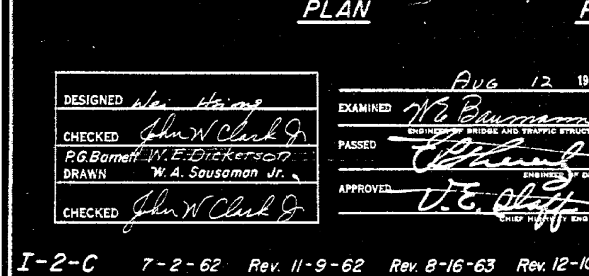
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | |
|--------------------------|---------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 10-5HB | Champaign | 25 | 9 |
| SHEET NO. 9 OF 25 SHEETS | | | | |



ELEVATION TOP OF WF

| | Bm1 | Bm2 | Bm3 | Bm4 | Bm5 |
|-----------------|--------|--------|--------|--------|--------|
| E Brg. S. Abut. | 804.78 | 804.90 | 804.96 | 804.86 | 804.69 |
| E Brg. Pier 1 | 805.63 | 805.75 | 805.81 | 805.71 | 805.54 |
| E Splice 1 | 805.89 | 806.01 | 806.07 | 805.97 | 805.80 |
| E Splice 2 | 806.90 | 806.62 | 806.68 | 806.58 | 806.41 |
| E Brg. Pier 2 | 806.67 | 806.79 | 806.85 | 806.75 | 806.58 |
| E Splice 3 | 806.84 | 806.96 | 807.02 | 806.92 | 806.75 |
| E Splice 4 | 806.99 | 807.11 | 807.17 | 807.07 | 806.90 |
| E Brg. Pier 3 | 806.95 | 807.07 | 807.13 | 807.03 | 806.86 |
| E Brg. N. Abut. | 806.81 | 806.93 | 806.99 | 806.89 | 806.72 |



DESIGNED: *John W. Clark Jr.*
CHECKED: *John W. Clark Jr.*
P.G. Barnett, W. E. Dickerson, W. A. Sausaman Jr.
DRAWN: *John W. Clark Jr.*
CHECKED: *John W. Clark Jr.*

EXAMINED: *W. E. Dickerson*
PASSED: *W. E. Dickerson*
APPROVED: *W. E. Dickerson*

AUG 13 1964

I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
LOCATION #3

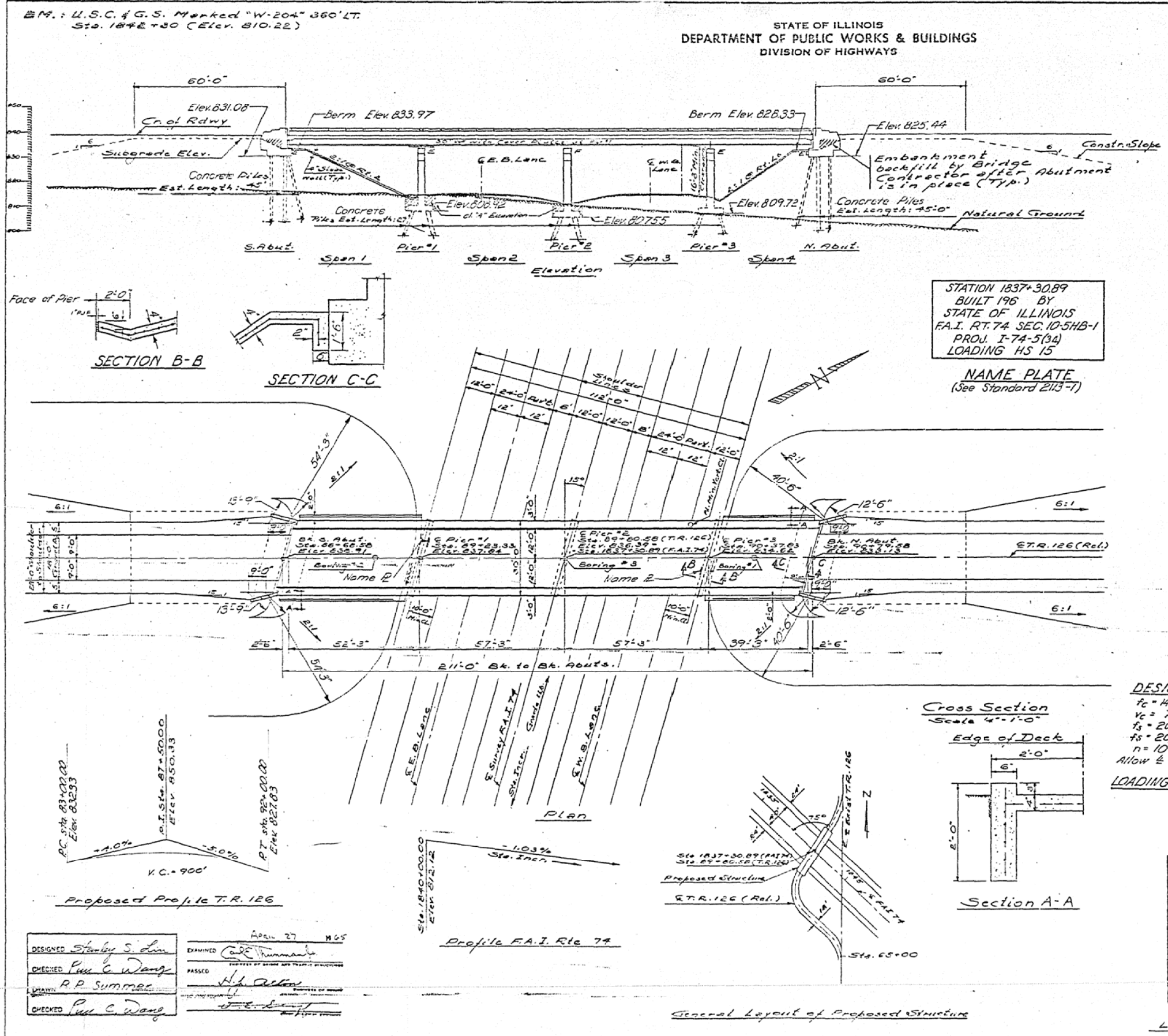
SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

| | | | | |
|--|---------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | 27 | 16 |
| * D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STRUCTURAL STEEL
F.A.T. RT. 74 SEC. 10-5HB
CHAMPAIGN COUNTY
STA. 1742 + 74.26

FOR INFORMATION ONLY

| | | | | |
|-----------------|----------|-----------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FA.I. RT. 74 | 10-SHB-1 | CHAMPAIGN | 24 | 6 |
| PRO. I-74-5(34) | | | | |



GENERAL NOTES

Coarse aggregate to be used in parapet handrails and end post must be free of chert, flint, limonite, lignite and soft sandstone. The concrete floor slab shall be finished in accordance with Art. 5.19 of the Standard Specifications. Slope Wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58 # per 100 Sq. Ft. All reinforcement bars shall be lapped 20 diameters unless otherwise shown. All structural steel shall conform to A.S.T.M. Designation A-36. Rivets 3/4" x 1, Open Holes 1 1/2", unless otherwise noted. Anchor bolts shall be set before fastening diaphragms over supports. Exposed surfaces of the expansion devices, inaccessible after erection, shall receive two shop coats of red lead paint. All other surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted. Expansion devices are included in the quantity of structural steel. Est. weight = 690 Lbs. Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 inclusive of the Standard Specifications. Concrete piles at abutments shall be driven in holes precored thru the embankment in accordance with Article 60.9 (c) of the Standard Specifications. The contractor shall drive two concrete test piles, one at North Abutment and one at Pier 2. All in permanent locations as directed by the Engineer before ordering the remainder of piles.

TOTAL BILL OF MATERIALS

| Item | Unit | Super. | Sub. | Total |
|---------------------------|----------|---------|--------|---------|
| Clay Excav. for Structure | Cu. Yds. | | 80 | 80 |
| Clay Excav. for Piles | Cu. Yds. | 188 | 198 | 386.4 |
| Protective Coat | Sq. Yds. | 774 | | 774 |
| Structural Steel | Lbs. | 141,080 | | 141,080 |
| Aluminum Handrail | Lin. Ft. | 415 | | 415 |
| Reinforcement Bars | Lbs. | 39,400 | 15,120 | 54,520 |
| Concrete Piles | Lin. Ft. | | 1710 | 1710 |
| Test Piles (Concrete) | Each | | 2 | 2 |
| Name Plates | Each | | 2 | 2 |
| Slope Wall 4" | Sq. Yds. | | 370 | 370 |

DESIGN STRESSES
 $f_c = 400$ psi. Super. & Sub.
 $f_c = 75$ psi. Footings
 $f_s = 20,000$ psi. Reinf.
 $f_s = 20,000$ psi. Struct. (A36)
 $n = 10$
 Allow. Deflect. = $\frac{1}{1000}$
LOADING: HS 15-44

DESIGNED: Stanley S. Lam
 CHECKED: Paul C. Wang
 DRAWN: R.P. Summer
 EXAMINED: Carl Thurnham
 PASSED: H.P. Carter
 DATE: April 27, 1965

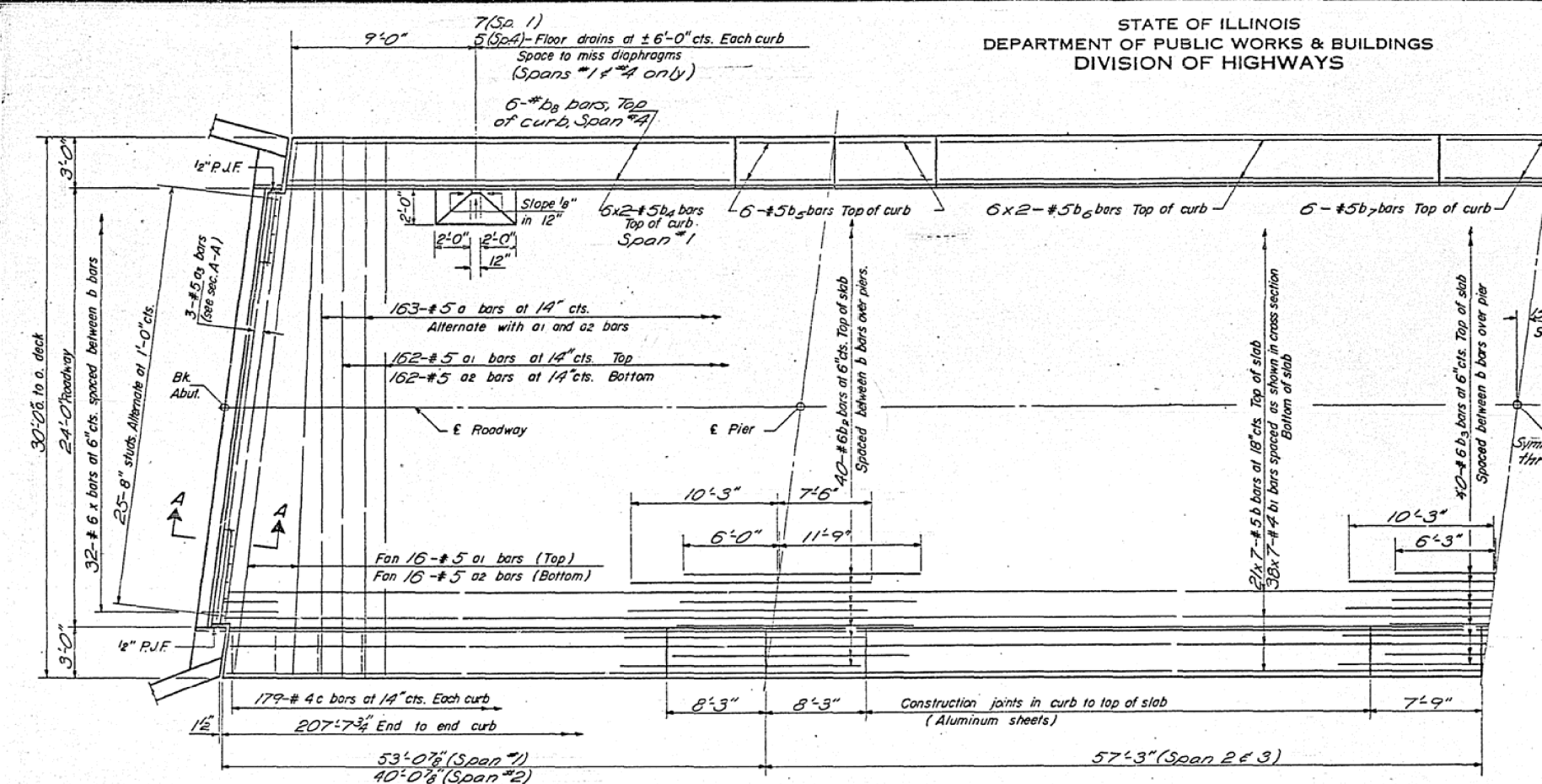
GENERAL PLAN & ELEVATION
 T.R. 126 OVER FA.I. RT. 74
 PROJ. I-74-5(34) 179
 FA.I. RT. 74 - SECTION 10-5HB-1
 CHAMPAIGN COUNTY
 STA. 1837+30.89

MODEL: 140061.MXD
 FILE: 140061.DWG
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 OFFICE: CHAMPAIGN
 DATE: 8/15/2018
 USER: leroyma

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | |
|--------------------------|----------|-----------|--------------|-----------|
| PROJECT NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 10-583-1 | Champaign | 24 | 10 |
| SHEET NO. 3 10 SHEETS | | | | |



HALF PLAN

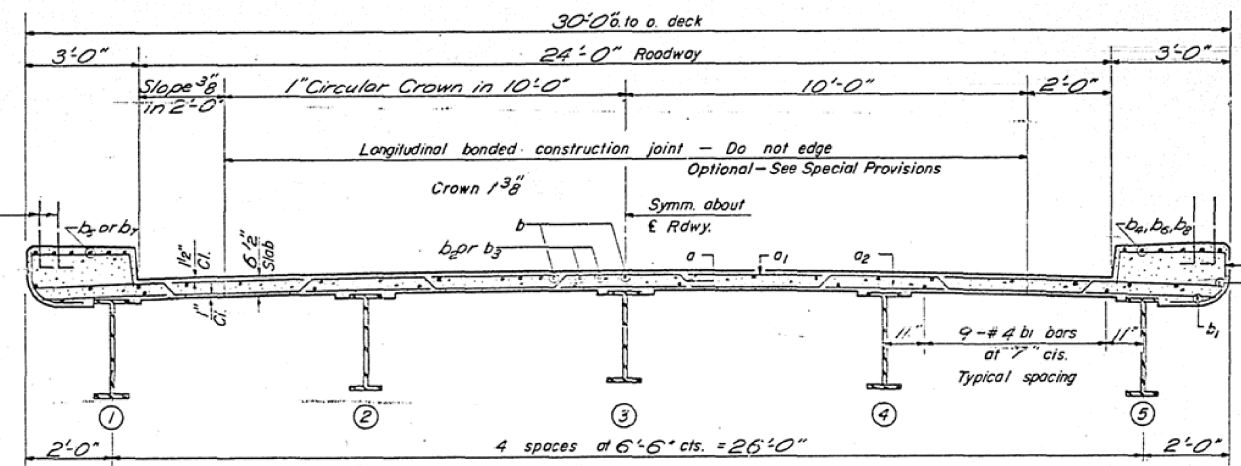
Note:
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min bar laps = 20 dia.

STANDARD FILLET DETAIL

To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 2. These elevations subtracted from the "Grade Elevations Adjusted for Dead Load Deflections" shown on sheet 2, minus slab thickness, equals the fillet height "f" above top of beams.

| | | |
|--------------------------------|-----------------------------|---------------|
| DESIGNED <i>Stanley S. Lin</i> | EXAMINED <i>Carl Hummer</i> | APRIL 27 1965 |
| CHECKED <i>Paul C. Wang</i> | PASSED <i>H. J. Green</i> | |
| DRAWN <i>DL Beemer</i> | APPROVED <i>J. E. Smith</i> | |

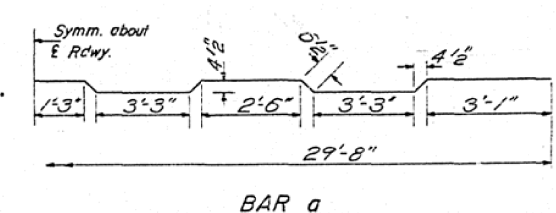
I-5-L (≤ 15°) 10-10-62 Rev. 11-1-63 5-1-64



NEAR PIER

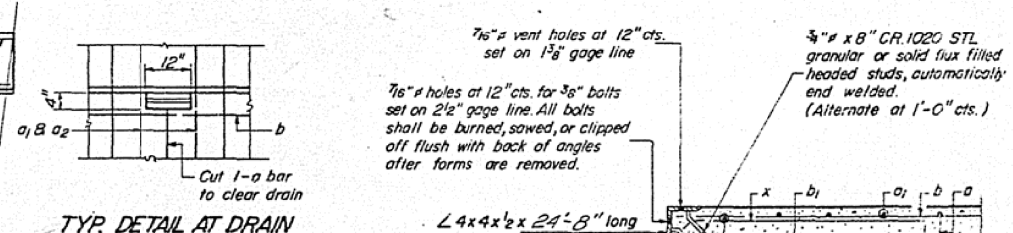
NEAR MIDSPAN

CROSS SECTION

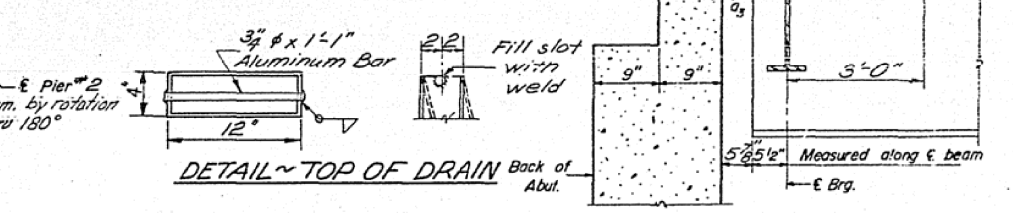


BAR a

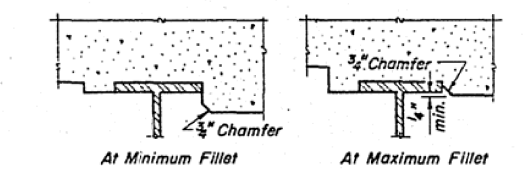
BAR c



TYP. DETAIL AT DRAIN

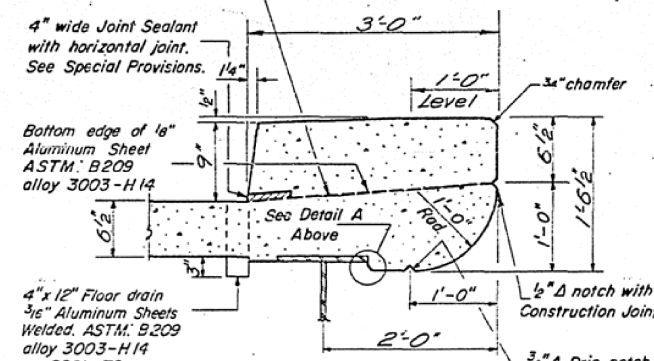


DETAIL ~ TOP OF DRAIN



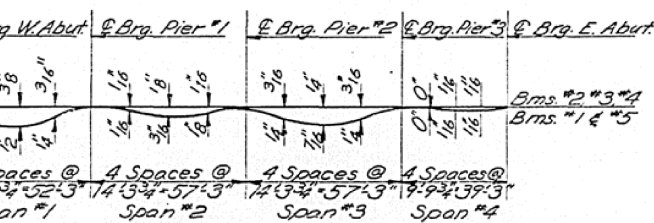
DETAIL A

Optional Construction Joint - See Special Provisions. Not permitted with longitudinal joints.



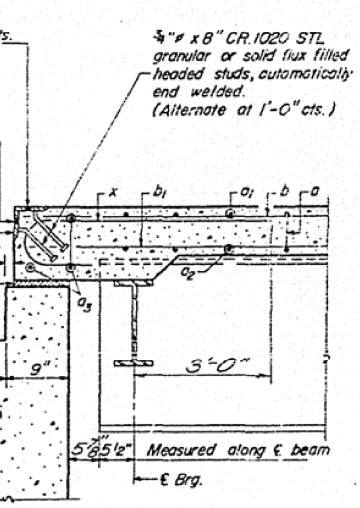
CURB DETAIL

Cost of Aluminum Details and Sheets shall be incidental to Class X Concrete.

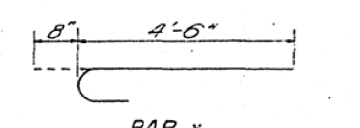


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)
Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheet 2.



SECTION A-A



BAR x

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|-----|-----|------|--------|-------|
| a | 163 | #5 | 31'-0" | ~ |
| a1 | 194 | #5 | 29'-9" | ~ |
| a2 | 194 | #5 | 28'-9" | ~ |
| a3 | 6 | #5 | 24'-6" | ~ |
| b | 147 | #5 | 30'-9" | ~ |
| b1 | 266 | #4 | 30'-0" | ~ |
| b2 | 80 | #6 | 17'-9" | ~ |
| b3 | 40 | #6 | 16'-6" | ~ |
| b4 | 24 | #5 | 23'-0" | ~ |
| b5 | 48 | #5 | 8'-0" | ~ |
| b6 | 48 | #5 | 21'-3" | ~ |
| b7 | 24 | #5 | 7'-6" | ~ |
| b8 | 12 | #5 | 31'-6" | ~ |
| c | 358 | #4 | 5'-9" | ~ |
| x | 64 | #6 | 5'-2" | ~ |

| | | |
|--------------------|---------|--------|
| Reinforcement Bars | Lbs | 35000 |
| Structural Steel | Lbs | 141000 |
| Class X Concrete | Cu. Yd. | 1672 |

* Weight of bearing assemblies with lead plates, and anchor bolts are included as structural steel.
Est. Wt = 6320 Lbs.

SUPERSTRUCTURE
F.A.I. RT. 74 SEC. 10-5HB-1
CHAMPAIGN COUNTY
STA. 1837+30.89

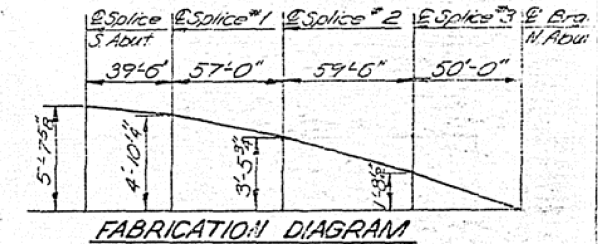
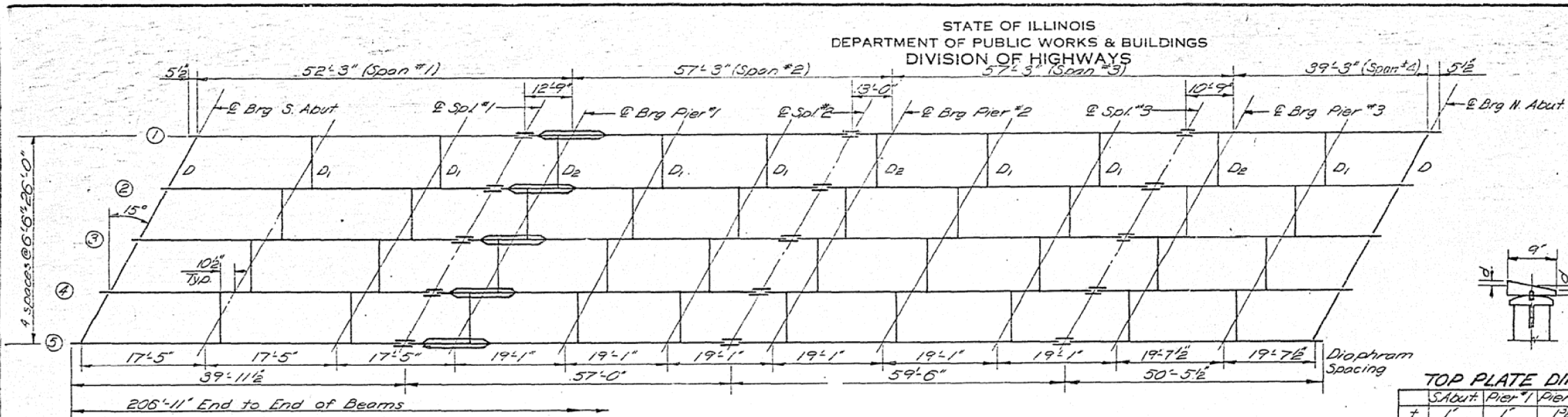
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| | | | | | | | | | |
|--------------------------|------------|-----------|-------------------|---------------------------------------|-----------|---------|--------|--------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - | STATE OF ILLINOIS | FOR INFO ONLY - STRUCTURE DETAILS FOR | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 40,0000 "/> | | | | | | | | | |

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | |
|--------------------------|---------|-----------|--------------|-----------|
| PROJECT NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 10-174 | 10-5884 | Champaign | 24 | 11 |
| SHEET NO. 4 12 SHEETS | | | | |



TOP PLATE DIMENSION

| S. Abut. | Pier #1 | Pier #2 | Pier #3 | N. Abut. |
|----------|---------|---------|---------|----------|
| 1' | 1' | 1 3/8' | 1 3/8' | 1' |
| 8" | 8" | 8" | 3 1/8" | 3 1/8" |

TABLE OF MAX. MOMENTS (INTERIOR BEAM)

| W. Splice | S. Abut. | Pier #1 | Pier #2 | Pier #3 | N. Abut. | | |
|--------------|------------|------------|------------|------------|------------|------------|------------|
| DL | 166 | 282 | 97 | 239 | 132 | 212 | 72 |
| LL | 230 | 194 | 208 | 180 | 274 | 158 | 157 |
| IMP | 64 | 54 | 58 | 50 | 57 | 48 | 47 |
| TOTAL | 460 | 530 | 363 | 469 | 393 | 416 | 276 |

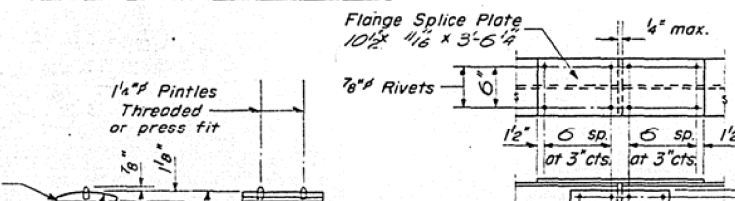
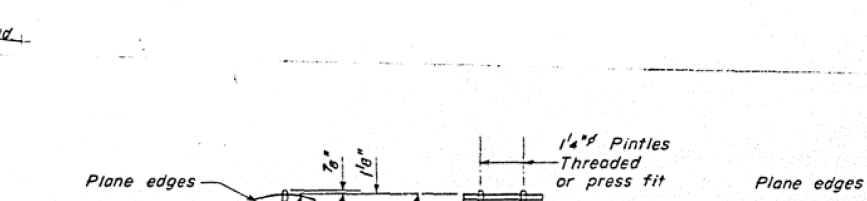
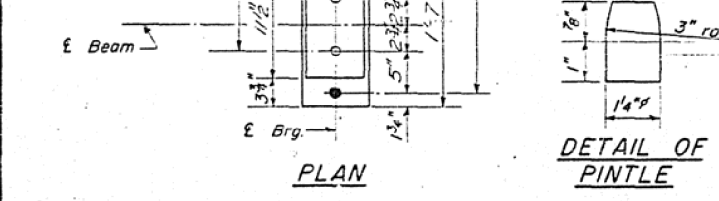
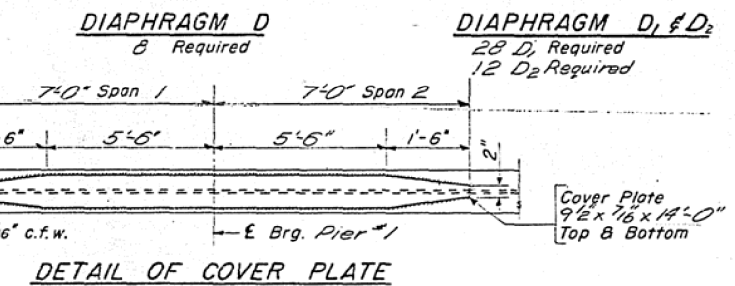
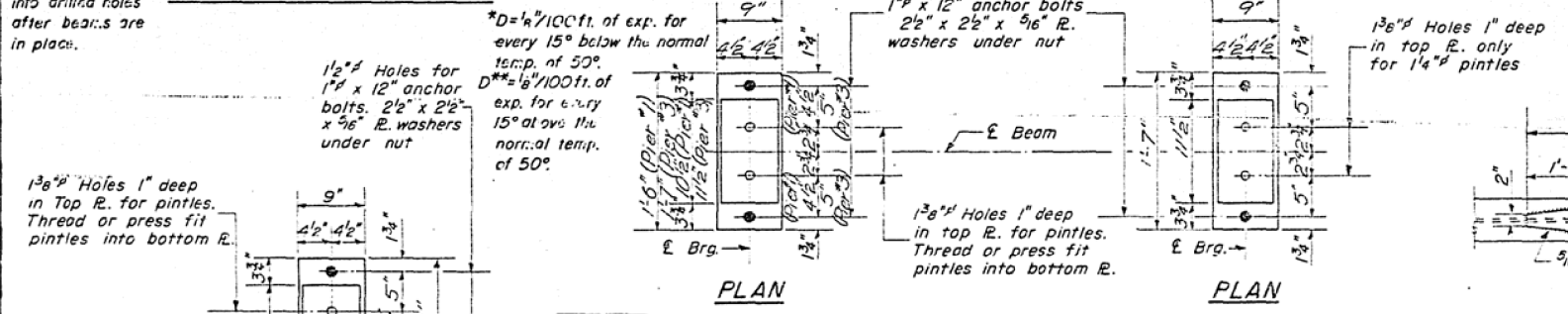
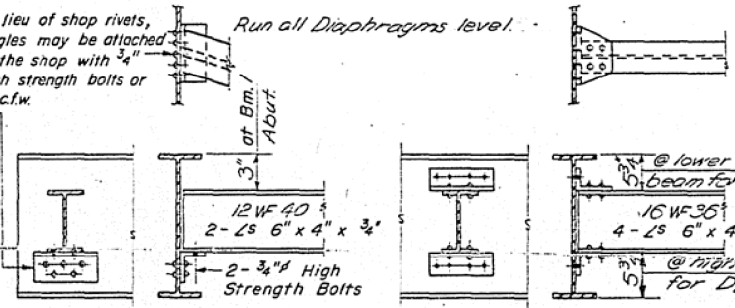
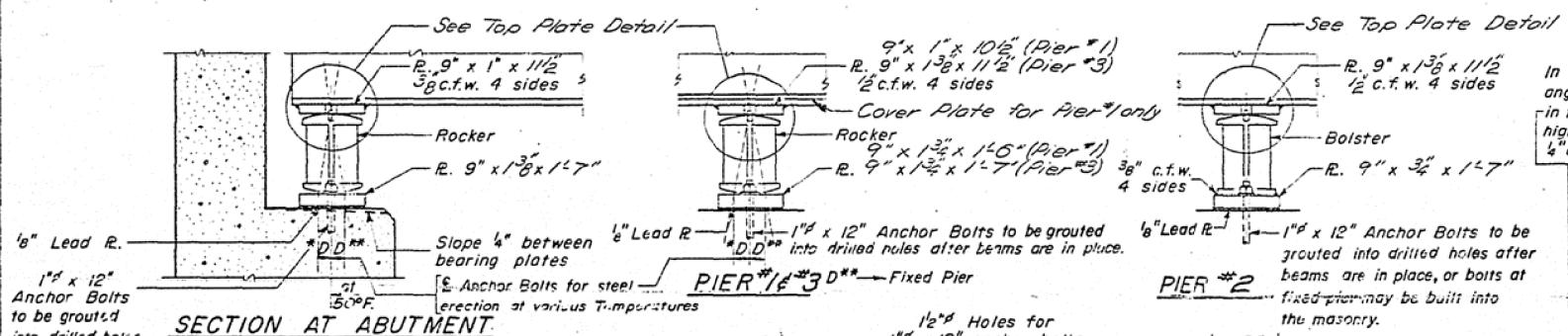
Moments are in Ft.-Kips

TABLE OF MAX. REACTIONS (INTERIOR BEAM)

| S. Abut. | Pier #1 | Pier #2 | Pier #3 | N. Abut. | |
|--------------|-------------|-------------|-------------|-------------|-------------|
| DL | 16.8 | 53.0 | 49.0 | 46.2 | 11.3 |
| LL | 24.8 | 30.6 | 30.1 | 30.2 | 23.0 |
| IMP | 6.9 | 8.6 | 8.4 | 8.7 | 6.9 |
| TOTAL | 48.5 | 92.2 | 87.5 | 85.1 | 41.2 |

Reaction are in kips

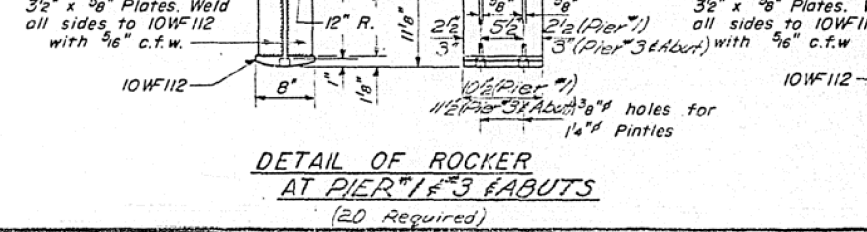
PLAN
(All Beams are 30 WF 108)



ELEVATION TOP OF WF

| Beam Location | Bm #1 | Bm #2 | Bm #3 | Bm #4 | Bm #5 |
|---------------|--------|--------|--------|--------|--------|
| Brig S. Abut. | 838.21 | 838.27 | 839.34 | 839.37 | 838.41 |
| Splice #1 | 837.42 | 837.48 | 837.55 | 837.58 | 837.62 |
| Brig Pier #1 | 837.11 | 837.17 | 837.24 | 837.27 | 837.31 |
| Splice #2 | 836.05 | 836.11 | 836.18 | 836.21 | 836.25 |
| Brig Pier #2 | 835.66 | 835.72 | 835.79 | 835.82 | 835.86 |
| Splice #3 | 834.28 | 834.34 | 834.41 | 834.44 | 834.48 |
| Brig Pier #3 | 833.91 | 833.97 | 834.04 | 834.07 | 834.11 |
| Brig N. Abut. | 832.57 | 832.63 | 832.70 | 832.73 | 832.77 |

DESIGNED Stanley S. Linn
CHECKED Paul E. Wang
PG Barrett
DRAWN W. A. Sausaman Jr.
APPROVED [Signature]
April 27 1945



I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63

STRUCTURAL STEEL
F.A.I. RT. 74 SEC. 10-5HB-1
CHAMPAIGN COUNTY
STA. 1837+30.89

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
LOCATION #4

| | | | | |
|--|---------|-----------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | CHAMPAIGN | 27 | 19 |
| * D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

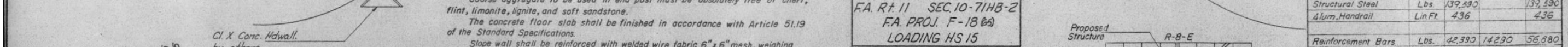
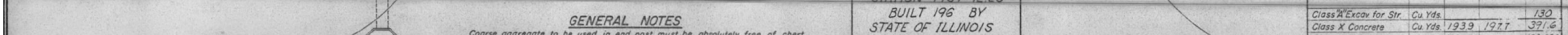
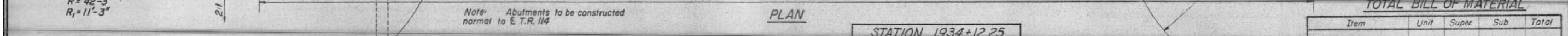
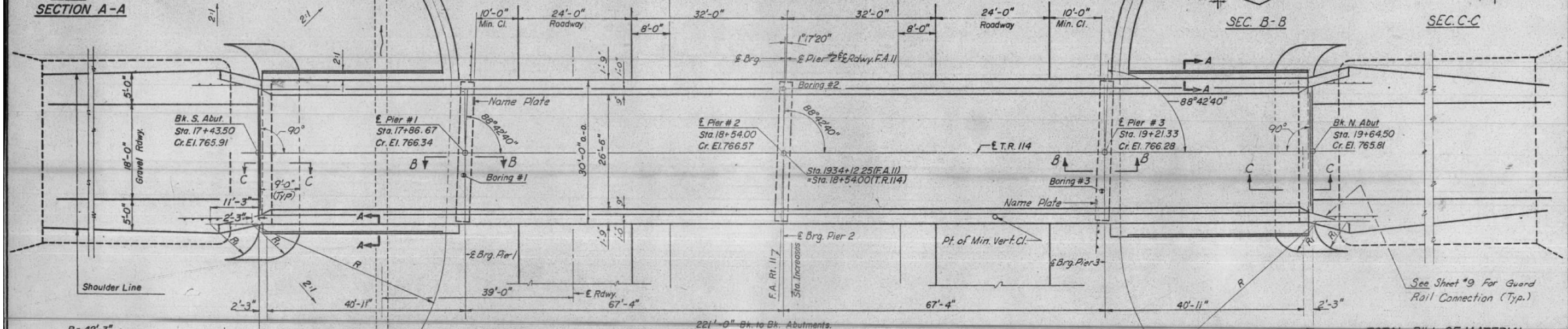
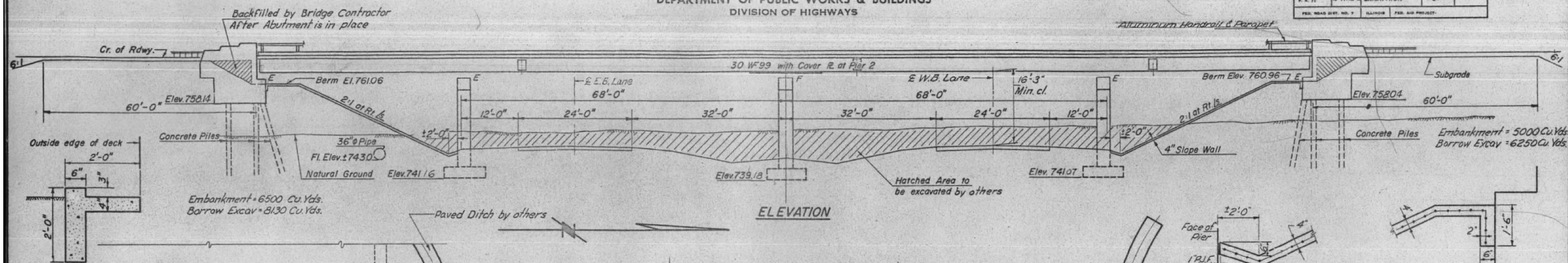
SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

FOR INFORMATION ONLY

B.M. III. Division of Highways Monument No. V-1,
20' Lt. of Sta. 24+78 (T.R. 114) Elev. 750.21

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 1 |
|-----------|-----------|--------|--------------|-----------|-------------|
| 10-71HB-2 | CHAMPAIGN | 31 | 7 | 10 SHEETS | |



TOTAL BILL OF MATERIAL

| Item | Unit | Super | Sub | Total |
|------------------------|----------|---------|--------|---------|
| Class A Excav for Str. | Cu Yds. | | | 130 |
| Class X Concrete | Cu Yds. | 1939 | 1977 | 3916 |
| Structural Steel | Lbs. | 139,590 | | 139,590 |
| Alum. Handrail | Lin Ft. | 436 | | 436 |
| Reinforcement Bars | Lbs. | 42,390 | 14,290 | 56,680 |
| Concrete Piles | Lin Ft. | | 595 | 595 |
| Test Piles (Concrete) | Each | | 1 | 1 |
| Name Plates | Each | | 2 | 2 |
| Slope Wall | Sq. Yds. | | | 341 |
| Protective Coat | Sq. Yds. | | | 805 |

* Includes excavation for Slope Wall.

GENERAL NOTES

Coarse aggregate to be used in end post must be absolutely free of chert, flint, limonite, lignite, and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58 Lbs. per 100 sq. ft.

Permanent forms will not be permitted in forming the concrete floor.

All structural steel shall conform to A.S.T.M. designation A-36.

Rivets 3/4" ϕ , Open holes 3/8" ϕ , unless otherwise noted.

Anchor bolts shall be set before fastening diaphragms over supports.

All rockers, bolsters, bearing plates, lead plates, pintles, and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel. Estimated weight = 6340 lbs.

The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Estimated weight = 780 lbs.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint, and two field coats of paint. See Special Provisions.

The contractor shall drive one concrete test pile in permanent location at North abutment as directed by the Engineer before ordering the remainder of piles.

Permanent forms will not be permitted in forming the conc. floor.

All reinforcement bars shall be lapped 20 diameters min. unless otherwise shown.

STATION 1934+12.25
BUILT 196 BY
STATE OF ILLINOIS
F.A. RT. II SEC. 10-71HB-2
F.A. PROJ. F-18 (a)
LOADING HS 15
NAME PLATE
See Sld. 2113-1

DESIGNED Stanley S. Lin
CHECKED Marvin Parnathus
DRAWN Paul G. Barnett
CHECKED M. Parnathus

OCT 6 1964
EXAMINED W. Baumann
PASSED E. J. Shantz
APPROVED J. Edwards
CHIEF HIGHWAY ENGINEER

DESIGN STRESSES

$f_c = 1400$ psi Super and Sub
 $v_c = 75$ psi Flgs.
 $f_s = 20,000$ psi Reinf.
 $f_s = 20,000$ psi Struct. (A-36)
 $n = 10$ Allowable $\epsilon_d = \frac{1000}{n} \approx 100$ comp.
LOADING HS 15-44 1200 Comp.

PROJ. F-18 (a)
GENERAL PLAN & ELEVATION
T.R. 114 OVER F.A. RT. II
F.A. RT. II SEC. 10-71HB-2
CHAMPAIGN COUNTY
STA. 1934+12.25 (F.A. II)
STA. 18+54.00 (T.R. 114)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFO ONLY - STRUCTURE DETAILS FOR
LOCATION #5

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|---------|-----------|--------------|-----------|
| | | CHAMPAIGN | 27 | 20 |

* D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24
ILLINOIS FED. AID PROJECT

| USER NAME | DESIGNED | REVISIONS |
|-----------|----------|-----------|
| leroyma | - | - |
| | DRAWN | - |
| | CHECKED | - |
| | DATE | - |

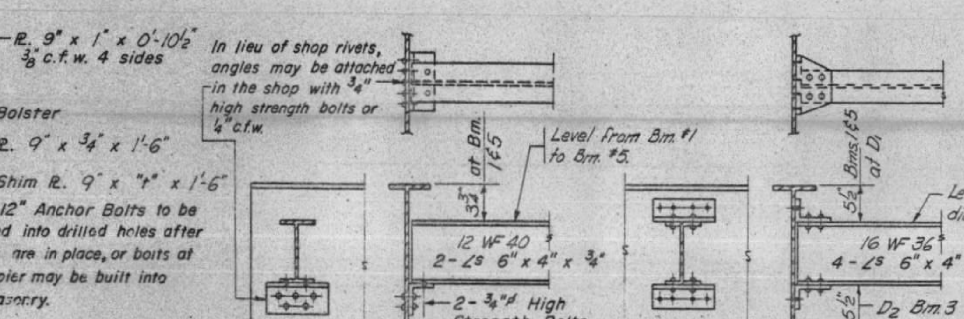
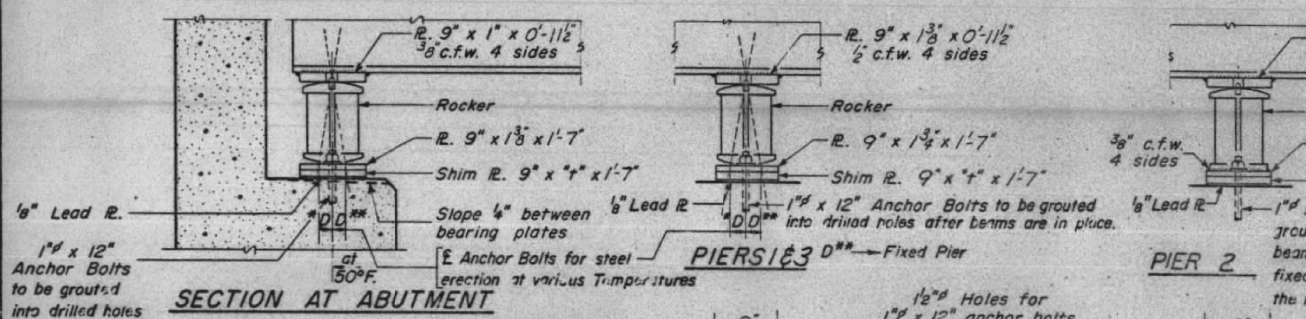
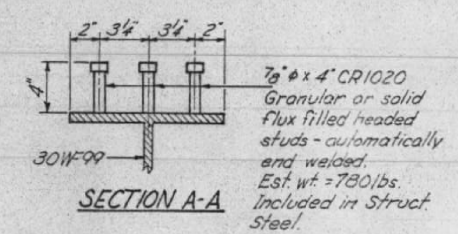
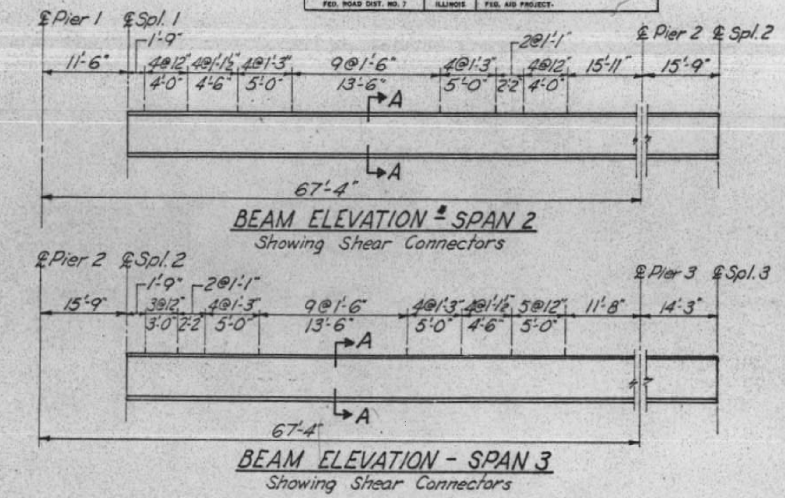
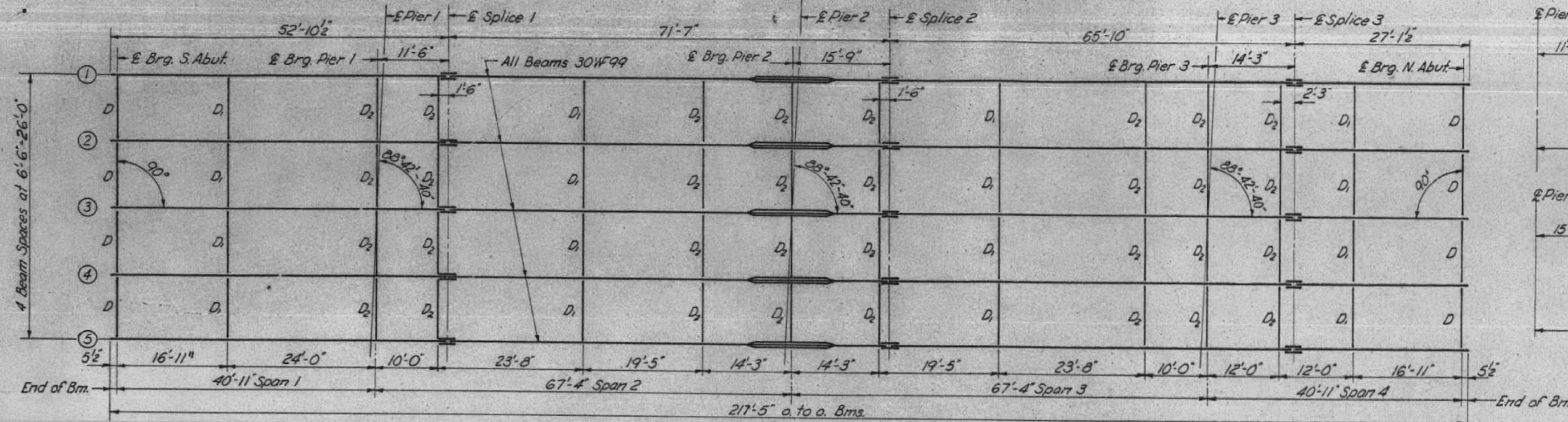
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FOR INFORMATION ONLY

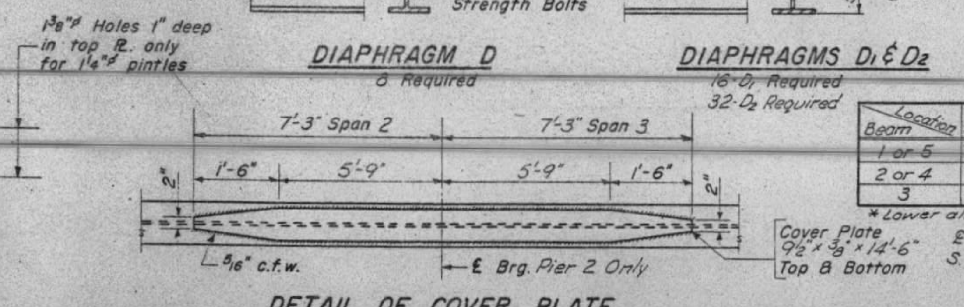
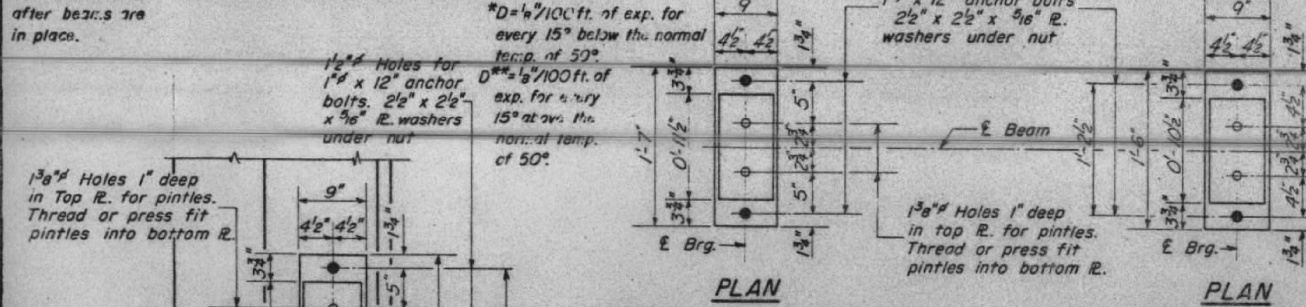
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | |
|-----------------------|----------|------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 10-71 | 10-71 | Champaign | 31 | 10 |
| F. A. 11 | HB-2 | | | 10 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | |



SHIM "t" DIMENSIONS

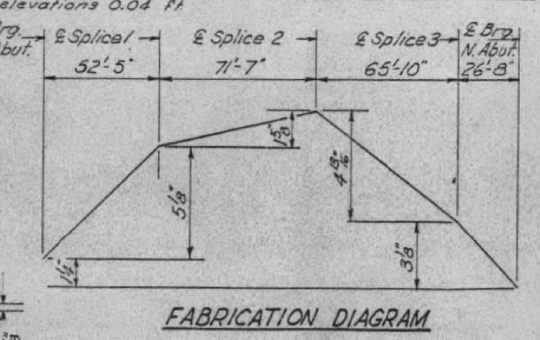
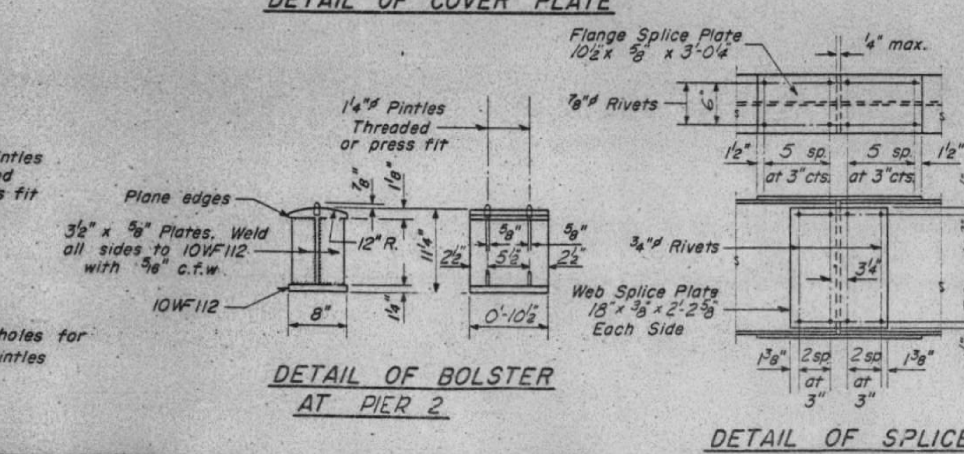
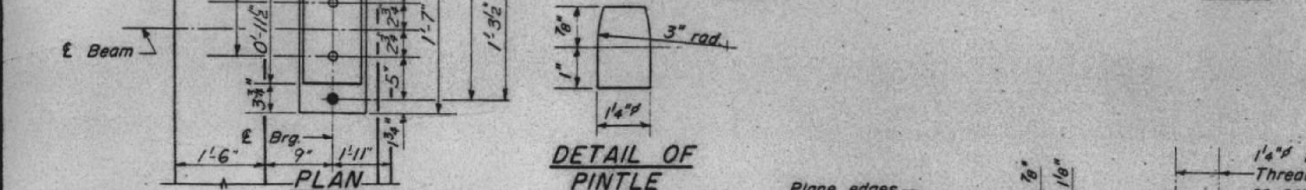
"t" = 7/16" at beam 3 only, all locations



***ELEVATION TOP OF WF**

| Location | End of S. Abut. | End of Pier 1 | End of Splice 1 | End of Pier 2 | End of Splice 2 | End of Pier 3 | End of Splice 3 | End of N. Abut. |
|----------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|-----------------|
| 1 or 5 | 765.28 | 765.62 | 765.71 | 765.81 | 765.84 | 765.53 | 765.54 | 765.18 |
| 2 or 4 | 765.38 | 765.72 | 765.81 | 765.91 | 765.94 | 765.63 | 765.54 | 765.28 |
| 3 | 765.41 | 765.75 | 765.84 | 765.94 | 765.97 | 765.66 | 765.57 | 765.31 |

* Lower all elevations 0.04 ft.



DESIGNED: Stanley S. Lee
CHECKED: M. Barnett, T.A.L.
DRAWN: W.A. Sausaman Jr.
EXAMINED: W. Baumann
PASSED: G.F. Shure
APPROVED: J.E. [Signature]

Oct 6 1964

I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63

DETAIL OF ROCKER AT ABUTS, PIERS 1 & 3

DETAIL OF BOLSTER AT PIER 2

DETAIL OF SPLICE

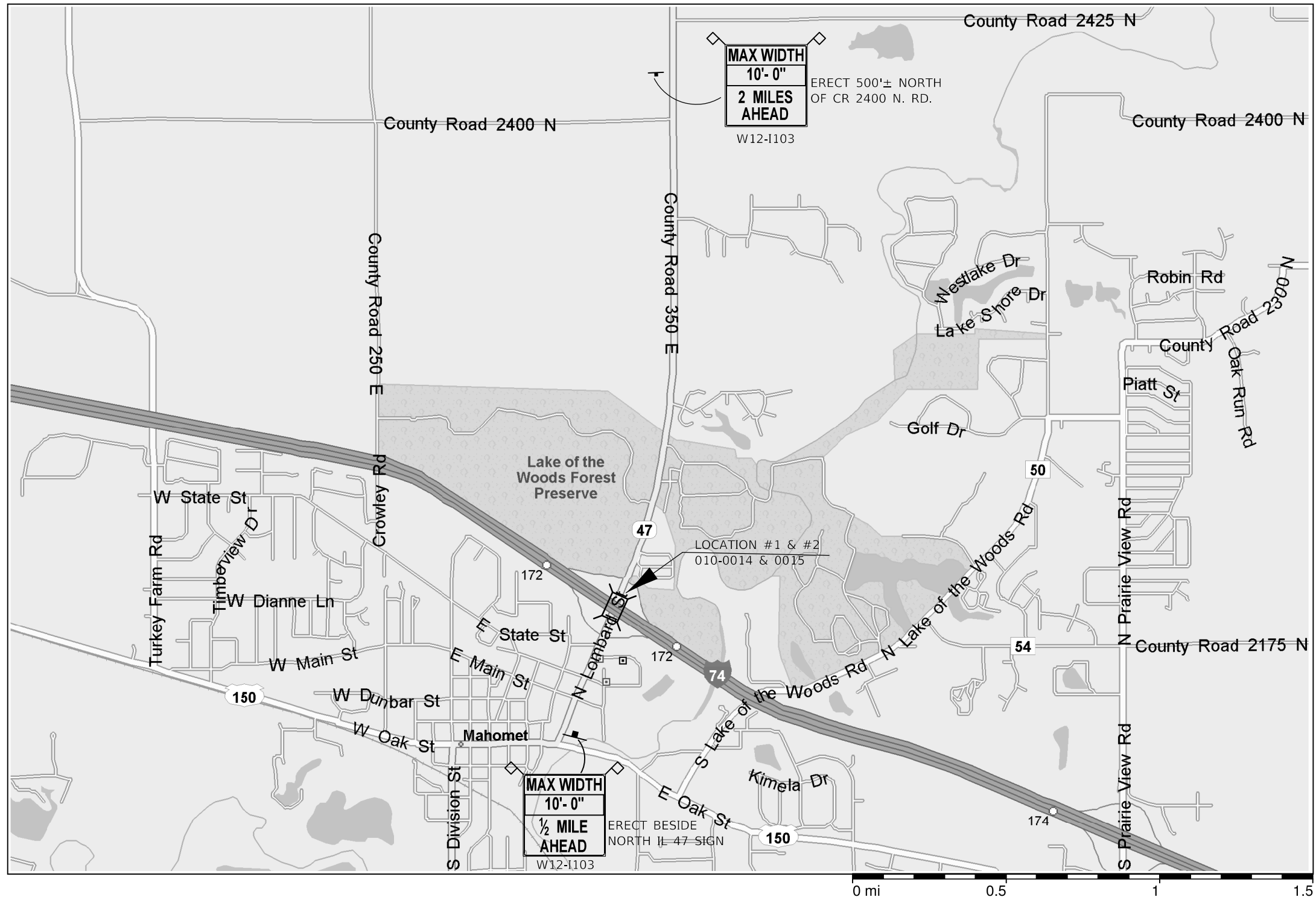
STRUCTURAL STEEL
F.A. RT. 11 SEC. 10-71HB-2
CHAMPAIGN COUNTY
STA. 1934 + 12.25

MODEL: 4300ELN.MX.FE FILE: 4300ELN.MX.FE\PROJECTS\057002\CADD\DATA\CAD\STRUCTURE\057002-4-STRUCT_BUILTS.dwg

| | | | | | | | | | |
|----------------------------|------------|-----------|------------------------------|---------------------------------------|--|---------|-------------|--------------|------------------|
| USER NAME = leroyma | DESIGNED - | REVISED - | STATE OF ILLINOIS | FOR INFO ONLY - STRUCTURE DETAILS FOR | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DRAWN - | REVISED - | DEPARTMENT OF TRANSPORTATION | LOCATION #5 | VAR. | * | CHAMPAIGN | 27 | 22 |
| PLOT SCALE = 40.0000 "/in. | CHECKED - | REVISED - | | | * D5 BRIDGE PAINTING 2019-2 CONTRACT NO. 70D24 | | | | |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - | | | SCALE: N/A | SHEET 3 | OF 3 SHEETS | STA. | TO STA. |
| | | | | | | | | ILLINOIS | FED. AID PROJECT |

WIDTH RESTRICTION SIGNING

010-0014 & 010-0015



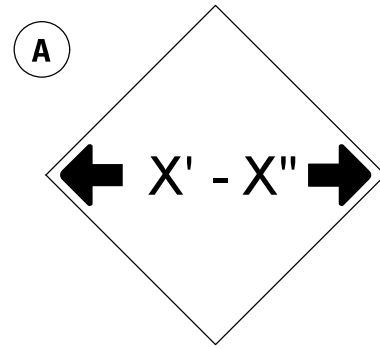
MODEL: \\MODELNAME
 FILE: \\NAME: \\PROJECTS\057002\1\CADD\DATA\CAD\PROJECTS\057002\4-5-18-Staing.dgn

| | | |
|-----------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

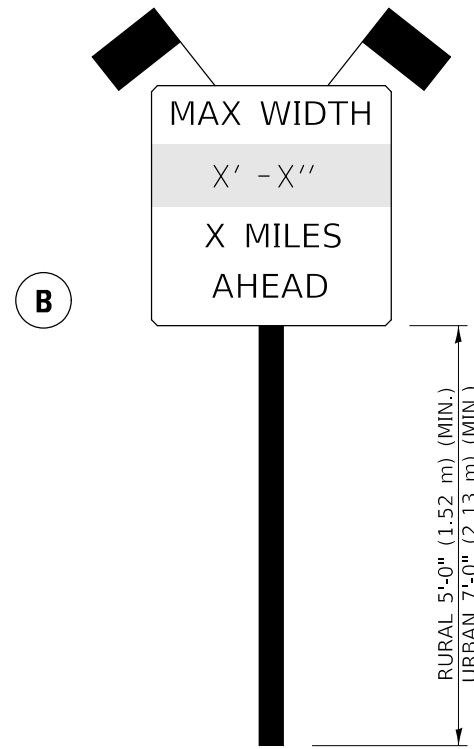
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|--|---------|---------|--------|
| WIDTH RESTRICTION SIGNING | | | |
| LOCATION #1 & #2 S.N. 010-0014 & 0015 | | | |
| SCALE: | SHEET 1 | OF 1 | SHEETS |
| | STA. | TO STA. | |

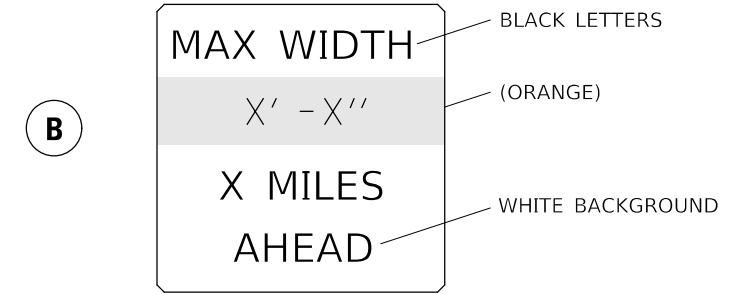
| | | | | |
|-----------------------------|---------|--------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | CHAMPAIGN | 27 | 23 |
| * D5 BRIDGE PAINTING 2019-2 | | CONTRACT NO. 70D24 | | |
| ILLINOIS FED. AID PROJECT | | | | |



W12-2(O)-48"x48"(1200x1200)



SIGN PANEL, TYPE II



W12-1103(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

MAX WIDTH

LOCATION #1 - 010-0014 = 10'-0"
LOCATION #2 - 010-0015 = 10'-0"

Note: All dimensions are in INCHES (mILimeters) unless otherwise shown.

MODEL: \\MODELNAME
FILE NAME: \\PLOT\BIDDING\TEC\Illinois\gov\PIV\DOT\Documents\DOT_Offices\Director\Projects\057002\1\CADD\DATA\CAD\sheet\057002-4-shs-StaSign.dgn

| | | |
|------------------------------|------------|---------------------|
| USER NAME = leroyma | DESIGNED - | REVISED - 03/11-KJT |
| | DRAWN - | REVISED - 05/08 |
| PLOT SCALE = 40,0000 ' / in. | CHECKED - | REVISED - 10/08-KJT |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - 07/09-KJT |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

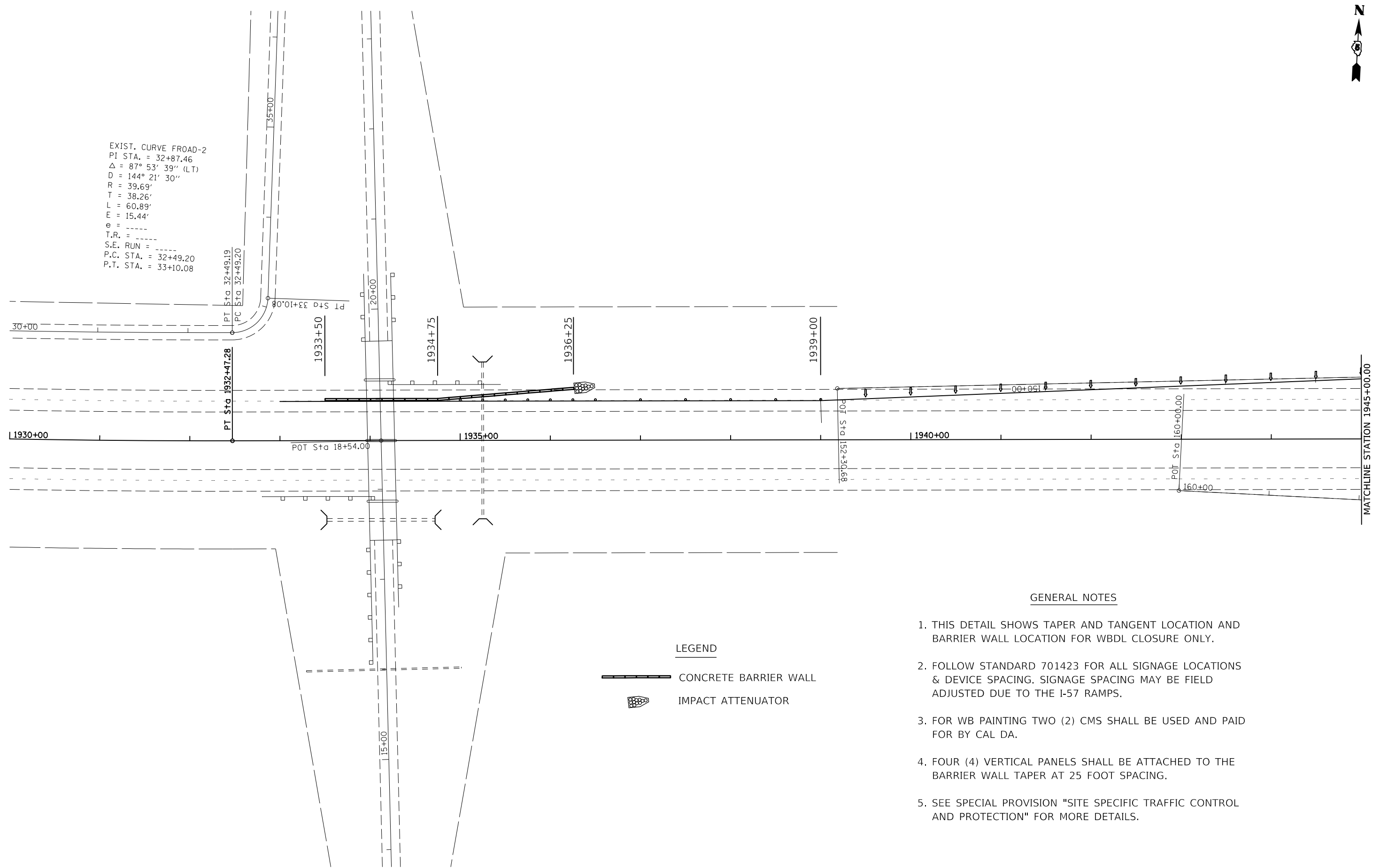
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. X7200201

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|---------|-----------|------------------|--------------------|
| VAR. | * | CHAMPAIGN | 27 | 24 |
| * D5 BRIDGE PAINTING 2019-2 | | | | CONTRACT NO. 70D24 |
| | | ILLINOIS | FED. AID PROJECT | |



EXIST. CURVE FROAD-2
 PI STA. = 32+87.46
 $\Delta = 87^\circ 53' 39''$ (LT)
 $D = 144^\circ 21' 30''$
 $R = 39.69'$
 $T = 38.26'$
 $L = 60.89'$
 $E = 15.44'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 P.C. STA. = 32+49.20
 P.T. STA. = 33+10.08



GENERAL NOTES

1. THIS DETAIL SHOWS TAPER AND TANGENT LOCATION AND BARRIER WALL LOCATION FOR WBDL CLOSURE ONLY.
2. FOLLOW STANDARD 701423 FOR ALL SIGNAGE LOCATIONS & DEVICE SPACING. SIGNAGE SPACING MAY BE FIELD ADJUSTED DUE TO THE I-57 RAMP.
3. FOR WB PAINTING TWO (2) CMS SHALL BE USED AND PAID FOR BY CAL DA.
4. FOUR (4) VERTICAL PANELS SHALL BE ATTACHED TO THE BARRIER WALL TAPER AT 25 FOOT SPACING.
5. SEE SPECIAL PROVISION "SITE SPECIFIC TRAFFIC CONTROL AND PROTECTION" FOR MORE DETAILS.

LEGEND

- CONCRETE BARRIER WALL
- IMPACT ATTENUATOR

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 DRAWING: \\DRAWING
 DATE: 8/15/2018

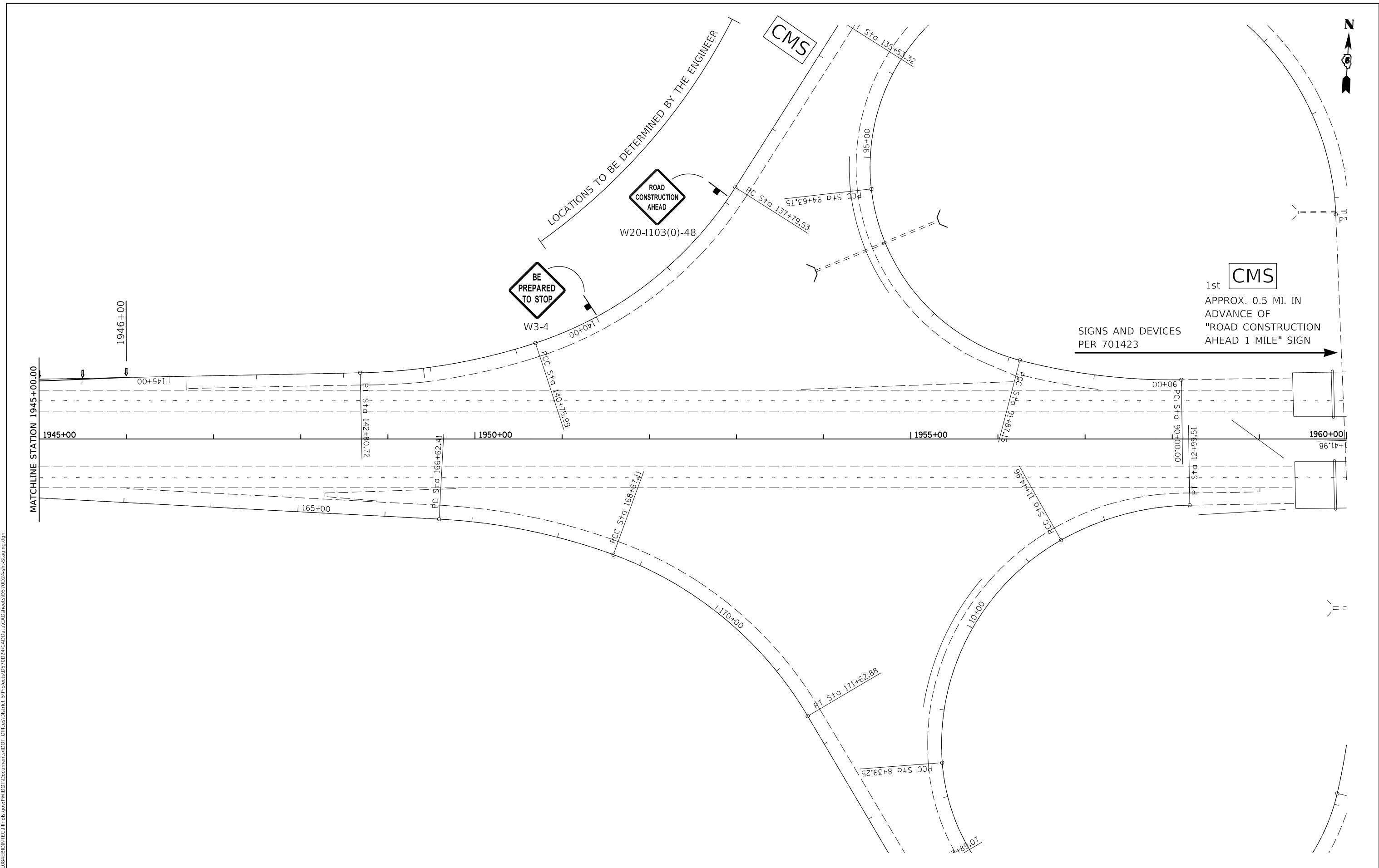
| | | |
|------------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| PLOT SCALE = 100.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 8/15/2018 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #5 010-0168
I-72 WEST BOUND DRIVING LANE CLOSURE

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 1930+00.00 TO STA. 1945+00.00

| | | | | |
|-----------------------------|---------|--------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | CHAMPAIGN | 27 | 25 |
| * D5 BRIDGE PAINTING 2019-2 | | CONTRACT NO. 70D24 | | |
| ILLINOIS | | FED. AID PROJECT | | |



MODEL: \\MODELNAME
 FILE: \\NAME.Plot\\PROJECTS\\057002\\CAD\\DATA\\CAD\\SHEETS\\057002\\4-shc-Stationing.dgn

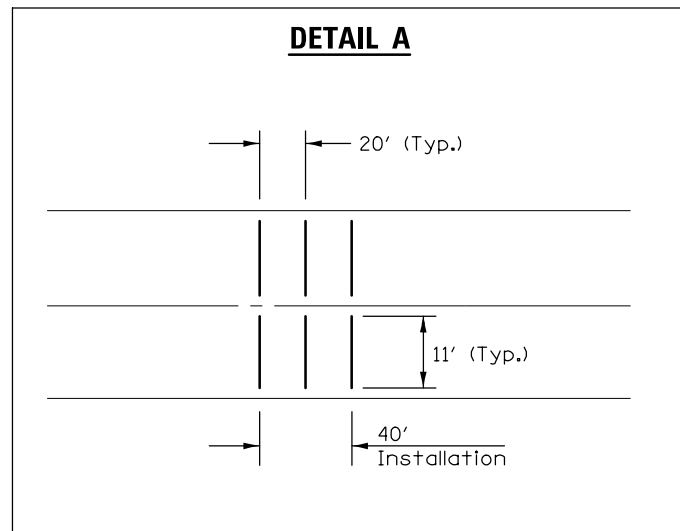
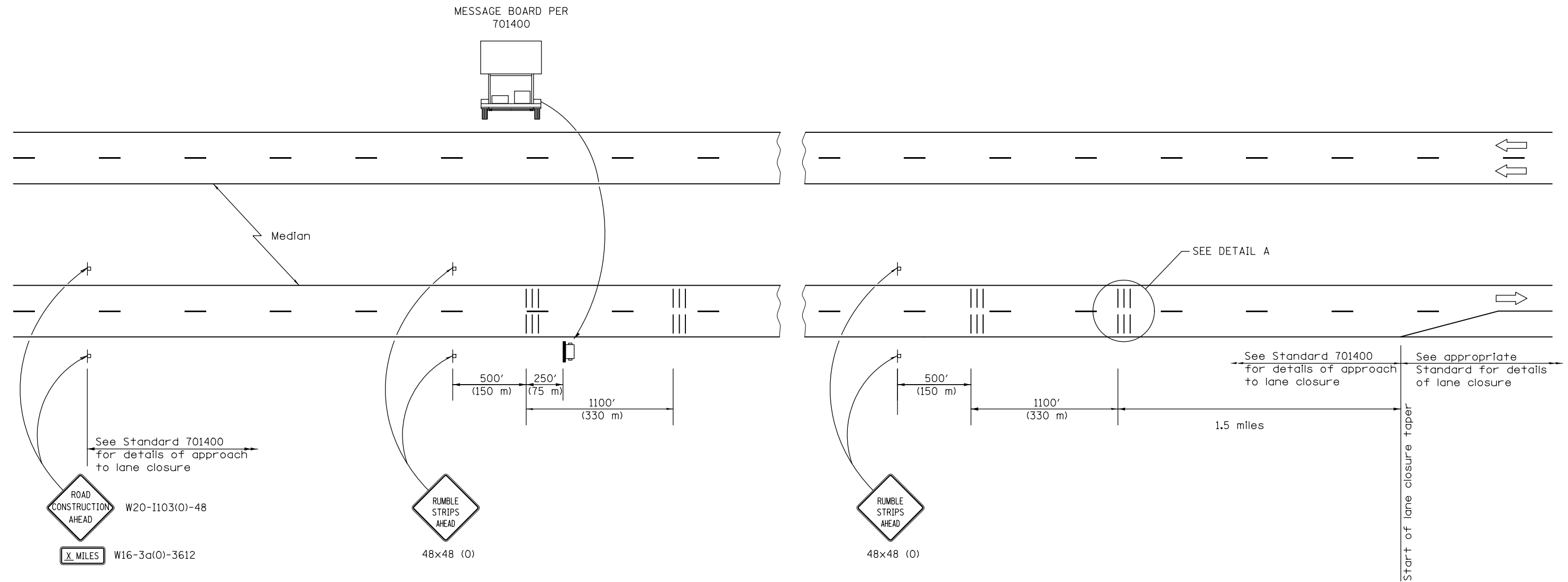
| | | |
|------------------------------|------------|-----------|
| USER NAME = leroyma | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/15/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #5 010-0168
I-72 WEST BOUND DRIVING LANE CLOSURE
 SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 1945+00.00 TO STA. 1960+00.00

| | | | | |
|-----------------------------|---------|--------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | * | CHAMPAIGN | 27 | 26 |
| * D5 BRIDGE PAINTING 2019-2 | | CONTRACT NO. 70D24 | | |
| ILLINOIS FED. AID PROJECT | | | | |

DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)



SYMBOLS

- ┆ Sign
- ||| Temporary Rumble Strips (Special)
- ☐ Trailer Mounted Sign

GENERAL NOTES

Remove the Temporary Rumble Strips (Special) prior to the removal of the advanced warning signs.

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

The first rumble strip is placed 250' in advance of the message board required by 701400

| | | | | | | | | | | | |
|---|-----------------------------|-------------------|-----------|---|---|-----------------------------|---------------------|--------------------------|-----------------|---------------------------|--|
| FILE NAME = | USER NAME = leroyma | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL) | F.A.I. RT# | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\DRAWING\ASG\0579024-sht-det | PLANNED BY = ASG | CHECKED - | REVISED - | | | 74 | | CHAMPAIGN | 27 | 27 | |
| \$MODELNAME\$ | PLLOT SCALE = 0.1667' / in. | DATE - 09/11/2017 | REVISED - | | | • D5 BRIDGE PAINTING 2019-2 | | CONTRACT NO. 70D24 | | ILLINOIS FED. AID PROJECT | |
| | PLLOT DATE = 8/17/2018 | | | | | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. _____ TO STA. _____ | | | |