

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|----------|--------------------|-----------|
| 72 | | SANGAMON | 56 | 1 |
| | | ILLINOIS | CONTRACT NO. 72H97 | |

(84-10-2) BDGE RAISING 2016

- 1 COVER SHEET
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- 8-9 TYPICAL SECTIONS
- 10-14 SCHEDULE OF QUANTITIES
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DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.I. ROUTE 72A (I-72)
SECTION (84-10-2) BDGE RAISING 2016
PROJECT ACNHPP-0072(405)
BRIDGE RAISING
SANGAMON COUNTY

C-96-004-16

D-96-004-16

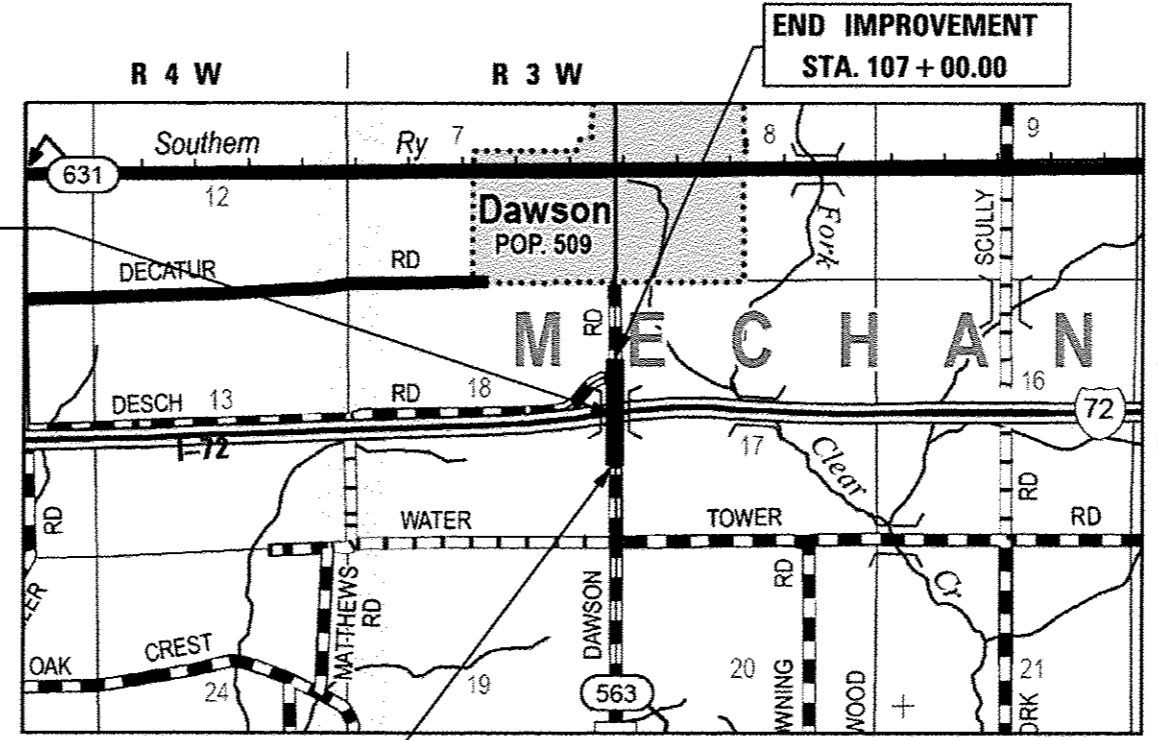


LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

I-72
ADT = 14,300
PV = 80.95%
SU = 3.67%
MU = 15.38%
YEAR OF CONSTRUCTION
ADT = 14,450

CH 16 (DAWSON RD)
ADT = 550
PV = 81.82%
SU = 16.36%
MU = 1.82%

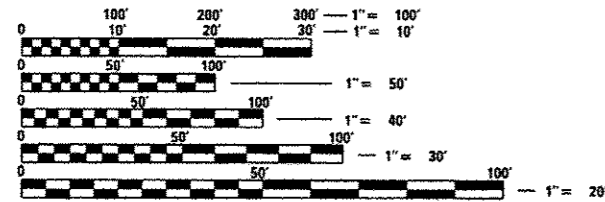
STA. 100 + 00.00
SN 084-0155
2-SPAN WELDED STEEL
BOX GIRDERS WITH
VAULTED ABUTMENTS



BEGIN IMPROVEMENT
STA. 92 + 50.00

END IMPROVEMENT
STA. 107 + 00.00

GROSS LENGTH = 1,450 FT. = 0.275 MILE
NET LENGTH = 1,450 FT. = 0.275 MILE



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: JAY WAVERING (217)785-9046
PROJECT MANAGER: VICTOR YOUNG (217)524-0472

CONTRACT NO. 72H97

THOUVENOT,
WADE &
MOERCHEN, INC.
SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES

CORPORATE OFFICE
4940 Old Collinsville Road
Swansea, Illinois 62226
Tel: 618.624.4488
Fax: 618.624.6688



8-3-2016
JOSHUA W. STEIN, P.E.
LICENSE NO. 062-062775 11-30-2017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED August 9, 2016
Deputy Director of Highways, Region 4 Engineer
Sept 20, 2016
Moumen M. Addis, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT
Sept 20, 2016
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GENERAL NOTES

1. THE STANDARDS INCLUDED IN THE BACK OF THESE PLANS SHALL APPLY TO THIS PROJECT.
2. THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STANDARD 000001 IF THERE IS A CONFLICT.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

VILLAGE OF DAWSON (WATER/SEWER) - ROBERT DAY 217-364-5975
 MENARD ELECTRIC CO (ELECTRIC) - BRADY SMITH 217-632-7746
 AMEREN ILLINOIS (ELECTRIC) - JACOB COLBERT 217-424-6645
 AMEREN ILLINOIS (GAS) - MIKE WETHERELL 217-424-6677
 AT&T (DISTRIBUTION) - JEFF GOAD 217-789-5543
 AT&T (TRANSMISSION) - CARL DONAHUE 847-420-9115
 CMS FIBER (FIBER OPTIC) - JERRY PICKETT 217-785-7500

J.U.L.I.E. - 1-800-892-0123 OR 811

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR (i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (ii) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORK AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS, (iii) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (iv) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERE TO RESULTING FROM THE WORK AT HIS EXPENSE.

5. FULL DEPTH SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
6. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
7. ALL AREAS DISTURBED BEYOND THE CONSTRUCTION LIMITS FOR ANY REASON SHALL BE SEEDDED WITH CLASS 2 SEEDING, AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE. THESE AREAS WILL NOT BE MEASURED FOR PAYMENT.

GENERAL NOTES (CONTINUED)

8. APPLICATION RATE FOR VARIOUS PAVING ITEMS ARE AS FOLLOWS:
 BITUMINOUS MATERIALS:
 BITUMINOUS MATERIALS (PRIME COAT)
 - 0.002125 TONS/SY
 BITUMINOUS MATERIALS (COVER COATS)
 - 0.001913 TON/SY
 BITUMINOUS MATERIALS (SEAL COATS)
 - 0.001700 TON/SY
 AGGREGATES:
 AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)
 - 2.05 TONS/CY
 COVER SEAL AGGREGATE
 - 0.013 TONS/SY
 SEAL COAT AGGREGATE
 - 0.013 TONS/SY
 THE COVER AND SEAL COAT AGGREGATE SHALL BE CRUSHED STONE
 RIPRAP
 - 1.50 TON/CY
9. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCE THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS/HER OPERATIONS.
10. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217)785-8312 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.

HIGHWAY STANDARDS

- 000001 - 06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001 - 02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001 - 07 TEMPORARY EROSION CONTROL SYSTEMS
- 420406 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
- 542401 - 02 METAL END SECTION FOR PIPE CULVERTS
- 630001 - 10 STEEL PLATE BEAM GUARDRAIL
- 630301 - 06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031 - 14 TRAFFIC BARRIER TERMINAL, TYPE 6
- 665001 - 02 WOVEN WIRE FENCE
- 701001 - 02 OFF ROAD OPERATIONS, 2-LANE 2-WAY, 15 FT MIN FROM EOP
- 701006 - 05 OFF ROAD OPERATIONS, 2-LANE 2-WAY, 15 FT TO EOP
- 701101 - 05 OFF ROAD OPERATIONS, MULTILANE, 15 FT TO 24" FROM PAVEMENT EDGE
- 701106 - 02 OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15 FT AWAY
- 701400 - 08 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401 - 09 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701901 - 05 TRAFFIC CONTROL DEVICES
- 725001 OBJECT AND TERMINAL MARKERS
- 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- BLR 21 - 9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 22 - 7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (ROAD CLOSED TO THRU TRAFFIC)

COMMITMENTS

1. THE RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS CONCERNING ANY MAJOR PLAN CHANGES.

| | |
|---------------------------------|-----------------------------|
| DISTRICT SIX | |
| EXAMINED | JULY 15 th 20 16 |
| <i>John C. Weyand</i> | |
| OPERATIONS ENGINEER | |
| EXAMINED | July 5 20 16 |
| <i>Ron Duchambeau</i> | |
| PROJECT IMPLEMENTATION ENGINEER | |
| EXAMINED | July 15 20 16 |
| <i>Jeffrey P. Meyer</i> | |
| PROGRAM DEVELOPMENT ENGINEER | |

| | | | | | | | | | | |
|--|--------------------------------|--------------------|-----------|---|---|----------------------|--------------|---------------------------|--------------------|----------------|
| FILE NAME * 0572497-shr-gennote@ext.dgn | USER NAME * perrava | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS | F.A.I. RTE. 72 | SECTION * | COUNTY SANGAMON | TOTAL SHEETS 56 | SHEET NO. 2 |
| Default | PLOT SCALE * 2.0000 1/2 in. | DRAWN - EKS | REVISOR - | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | CONTRACT NO. 72H97 | |
| | PLOT DATE * 7/26/2016 | CHECKED - SJK | REVISOR - | (04-10-2) DDCE RAISING 2016 | | | | | | |
| | | DATE - AUG 2016 | REVISOR - | | | | | | | |

| CODE NO. | PAY ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | | |
|----------|-----------------------------------|-------|----------------|--------------------------|--------------------------|--|--|--|
| | | | | 6-00745-0100 | 6-00745-0100 | | | |
| | | | | 90% FEDERAL 10% STATE | 90% FEDERAL 10% STATE | | | |
| | | | | ROAD 0004 | BRIDGE 0014 | | | |
| | | | | COUNTY HIGHWAY 16 | SN. 084-0155 | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 170 | 170 | | | | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 3820 | 3820 | | | | |
| 25000200 | SEEDING, CLASS 2 | ACRE | 1.75 | 1.75 | | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 160 | 160 | | | | |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 160 | 160 | | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 160 | 160 | | | | |
| 25000700 | AGRICULTURAL GROUND LIMESTONE | TON | 3.6 | 3.6 | | | | |
| 25100115 | MULCH, METHOD 2 | ACRE | 1.75 | 1.75 | | | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 360 | 360 | | | | |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 216 | 216 | | | | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 227 | 227 | | | | |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 8 | 8 | | | | |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 373 | 373 | | | | |
| 28200200 | FILTER FABRIC | SQ YD | 373 | 373 | | | | |

* SPECIALTY ITEM

| | | | | | | | | | | | | |
|--|--------------------|-----------------|-----------|---|------------------------------|---------------------|------|----------------|---------------------------|----------|--------------|-----------|
| FILE NAME : P:\108662\Downon Rd over I-72\4 CAOD | USER NAME : jstein | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - EKS | REVISED - | | | | | 72 | * | SANGAMON | 56 | 3 |
| | | CHECKED - SJK | REVISED - | | SCALE: NTS | SHEET 1 OF 5 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | |
| Default | | DATE - AUG 2016 | REVISED - | | CONTRACT NO. 72H97 | | | | | | | |

| CODE NO. | PAY ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | |
|----------|---|--------------|----------------|--------------------------|--------------------------|--|--|
| | | | | 6-00745-0100 | 6-00745-0100 | | |
| | | | | 90% FEDERAL 10% STATE | 90% FEDERAL 10% STATE | | |
| | | | | ROAD 0004 | BRIDGE 0014 | | |
| | COUNTY HIGHWAY 16 | SN. 084-0155 | | | | | |
| 31100100 | SUBBASE GRANULAR MATERIAL, TYPE A | TON | 1739 | 1739 | | | |
| 40300200 | BITUMINOUS MATERIALS (PRIME COAT) | TON | 8.8 | 8.8 | | | |
| 40300400 | BITUMINOUS MATERIALS (COVER AND SEAL COATS) | TON | 20.6 | 20.6 | | | |
| 40300500 | COVER COAT AGGREGATE | TON | 97 | 97 | | | |
| 40300600 | SEAL COAT AGGREGATE | TON | 49 | 49 | | | |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 1290 | 1290 | | | |
| 44004000 | PAVED DITCH REMOVAL | FOOT | 42 | 42 | | | |
| 44004250 | PAVED SHOULDER REMOVAL | SQ YD | 122 | 122 | | | |
| 48101500 | AGGREGATE SHOULDERS, TYPE B 6" | SQ YD | 921 | 921 | | | |
| 50102400 | CONCRETE REMOVAL | CU YD | 62.3 | | 62.3 | | |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 59 | 59 | | | |
| 50157300 | PROTECTIVE SHIELD | SQ YD | 224 | | 224 | | |
| 50300225 | CONCRETE STRUCTURES | CU YD | 25.3 | | 25.3 | | |
| 50300254 | RUBBED FINISH | SQ FT | 1574.7 | | 1574.7 | | |

* SPECIALTY ITEM

| | | | | | | | | | | | | | |
|--|--|-----------------|-----------|---|------------------------------|---------------------|----------|---------|---------------------------|---------|--------|-----------------|--------------|
| FILE NAME = | USER NAME = jstein | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| P:\108662\Newton Rd over I-72\4 CADD - | D:\14.7 Tran\CADD Sheets\0672H97-shr\sqqty | DRAWN - EKS | REVISED - | | 72 | . | SANGAMON | 56 | 4 | | | | |
| Default | PLOT SCALE = 50.0000' / 1" in. | CHECKED - SJK | REVISED - | | SCALE: NTS | SHEET 2 OF 5 SHEETS | STA. | TO STA. | CONTRACT NO. 72H97 | | | | |
| | PLOT DATE = 8/2/2016 | DATE - AUG 2016 | REVISED - | | | | | | ILLINOIS FED. AID PROJECT | | | | |

| CODE NO. | PAY ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | |
|----------|--|--------------|----------------|--------------------------|--------------------------|--|--|
| | | | | 6-00745-0100 | 6-00745-0100 | | |
| | | | | 90% FEDERAL 10% STATE | 90% FEDERAL 10% STATE | | |
| | | | | ROAD 0004 | BRIDGE 0014 | | |
| | COUNTY HIGHWAY 16 | SN. 084-0155 | | | | | |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU YD | 69.9 | | 69.9 | | |
| 50300260 | BRIDGE DECK GROOVING | SQ YD | 341.9 | | 341.9 | | |
| 50300300 | PROTECTIVE COAT | SQ YD | 470.7 | | 470.7 | | |
| 50301350 | CONCRETE SUPERSTRUCTURE (APPROACH SLAB) | CU YD | 104.9 | | 104.9 | | |
| 50500405 | FURNISHING AND ERECTING STRUCTURAL STEEL | POUND | 2760 | | 2760 | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 60490 | | 60490 | | |
| 50800515 | BAR SPLICERS | EACH | 88 | | 88 | | |
| 52000110 | PREFORMED JOINT STRIP SEAL | FOOT | 79 | | 79 | | |
| 52100010 | ELASTOMERIC BEARING ASSEMBLY, TYPE I | EACH | 12 | | 12 | | |
| 54215547 | METAL END SECTIONS 12" | EACH | 4 | 4 | | | |
| 60100060 | CONCRETE HEADWALLS FOR PIPE DRAINS | EACH | 4 | 4 | | | |
| 60100945 | PIPE DRAINS 12" | FOOT | 44 | 44 | | | |
| 60500060 | REMOVING INLETS | EACH | 4 | 4 | | | |
| 61000335 | TYPE G INLET BOX, STANDARD 610001 | EACH | 4 | 4 | | | |

* SPECIALTY ITEM

| | | | | | | | | | | | | |
|--|--|-----------------|-----------|---|------------------------------|---------------------|------|----------------|---------------------------|----------|-----------------|--------------|
| FILE NAME : | USER NAME : | DESIGNED : | REVISED : | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| Pr:180662\ Dawson Rd over I-72\ 4 CADD | JDG\ 4.7 From CADD Sheets\ 0672H97-ght-aqq.dwg | DRAWN - EKS | REVISED - | | | | | 72 | * | SANGAMON | 96 | 5 |
| Default | PLOT SCALE = 50.0000' / 1" | CHECKED - SJK | REVISED - | | SCALE: NTS | SHEET 3 OF 5 SHEETS | STA. | TO STA. | CONTRACT NO. 72H97 | | | |
| | PLOT DATE = 8/2/2016 | DATE - AUG 2016 | REVISED - | | | | | | ILLINOIS FED. AID PROJECT | | | |

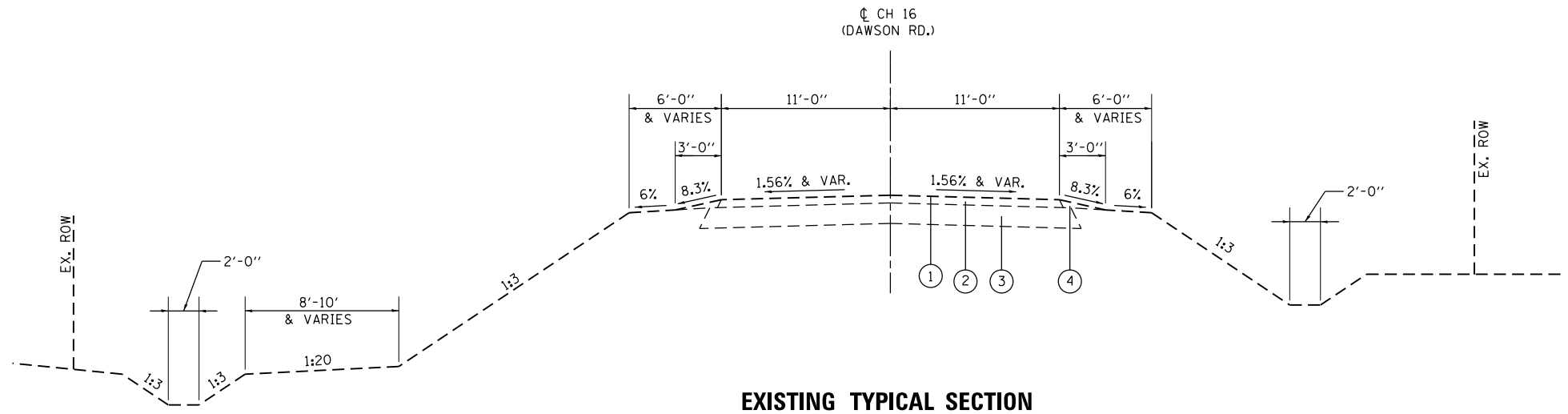
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|------------|--|--------|----------------|---|--|--|--|
| | | | | 6-00745-0100 90% FEDERAL 10% STATE ROAD 0004 COUNTY HIGHWAY 16 | 6-00745-0100 90% FEDERAL 10% STATE BRIDGE 0014 SN. 084-0155 | | |
| * 63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | FOOT | 425 | 425 | | | |
| * 63100085 | TRAFFIC BARRIER TERMINAL, TYPE 6 | EACH | 4 | 4 | | | |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 4 | 4 | | | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 684 | 684 | | | |
| 66500105 | WOVEN WIRE FENCE, 4' | FOOT | 375 | 375 | | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 | | | |
| 67100100 | MOBILIZATION | LSUM | 1 | 1 | | | |
| 70100800 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 | LSUM | 1 | 1 | | | |
| 70101830 | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21 | LSUM | 1 | 1 | | | |
| * 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 4 | 4 | | | |
| * 78001120 | PAINT PAVEMENT MARKING - LINE 5" | FOOT | 2000 | 2000 | | | |
| * 78200005 | GUARDRAIL REFLECTORS TYPE A | EACH | 16 | 16 | | | |
| Z0003802 | REMOVAL OF EXISTING BEARINGS | EACH | 12 | | 12 | | |
| Z0013798 | CONSTRUCTION LAYOUT | LSUM | 1 | 1 | | | |

* SPECIALTY ITEM

| | | | | | | | | | | | | | |
|---|--------------------|----------------|---------------------------|---|------------------------------|---------------------|--|-------------|----------|---------|--------------------|-----------|--|
| FILE NAME : P:\106662\Danon Rd over I-72\4 CADD | USER NAME : jstein | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ENVI 4.7 TranCAD00 Sheets\0672H97-akt-000.dwg | DRAWN - EKS | REVISED - | 72 | | | | | | SANGAMON | 56 | 6 | | |
| PLDT SCALE = 50,0000' / in. | CHECKED - SJK | REVISED - | SCALE: NTS | | | SHEET 4 OF 5 SHEETS | | | STA. | TO STA. | CONTRACT NO. 72H97 | | |
| Default | DATE - AUG 2016 | REVISED - | ILLINOIS FED. AID PROJECT | | | | | | | | | | |

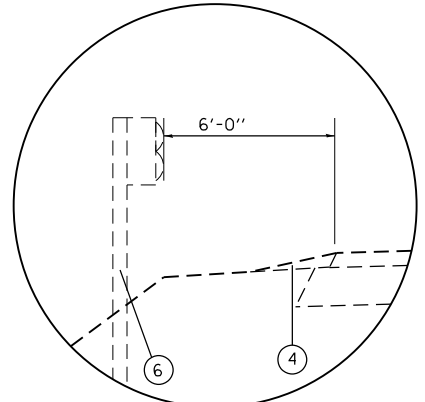
| CODE NO. | PAY ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | |
|-----------------|---|--------|----------------|--------------------------|--------------------------|--|--|
| | | | | 6-00745-0100 | 6-00745-0100 | | |
| | | | | 90% FEDERAL 10% STATE | 90% FEDERAL 10% STATE | | |
| | | | | ROAD 0004 | BRIDGE 0014 | | |
| | | | | COUNTY HIGHWAY 16 | SN. 084-0155 | | |
| Z0015802 | PLUG EXISTING DECK DRAINS | EACH | 16 | | 16 | | |
| Z0016200 | DECK SLAB REPAIR (PARTIAL) | SO YD | 59.5 | | 59.5 | | |
| Z0032300 | JACKING EXISTING SUPERSTRUCTURE | LSUM | 1 | | 1 | | |
| X0323586 | PIPE DRAIN REMOVAL | FOOT | 138 | 138 | | | |
| X0326911 | TRANSVERSE DRAINS COMPLETE | EACH | 2 | 2 | | | |
| X4201510 | P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL) | SO YD | 41 | 41 | | | |
| X6650202 | WOVEN WIRE FENCE REMOVAL | FOOT | 375 | 375 | | | |
| X7010224 | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22 (SPECIAL) | LSUM | 1 | 1 | | | |
| X7010410 | SPEED DISPLAY TRAILER | CAL MO | 6 | 6 | | | |
| X7240600 | REMOVE AND RE-ERECT EXISTING SIGN | EACH | 2 | 2 | | | |
| <u>58600100</u> | SAND BACKFILL | CU YD | 22 | | 22 | | |

// * SPECIALTY ITEM



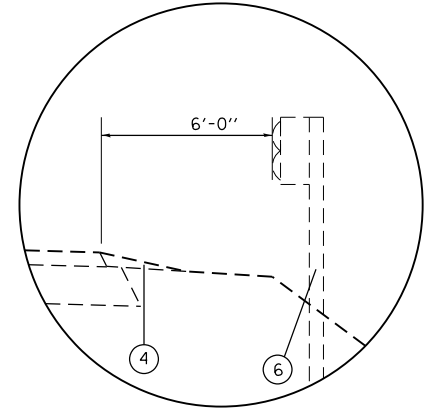
**EXISTING TYPICAL SECTION
COUNTY HIGHWAY 16**

STA. 92+50.00 TO STA. 97+52.31
STA. 102+48.63 TO STA. 107+00.00



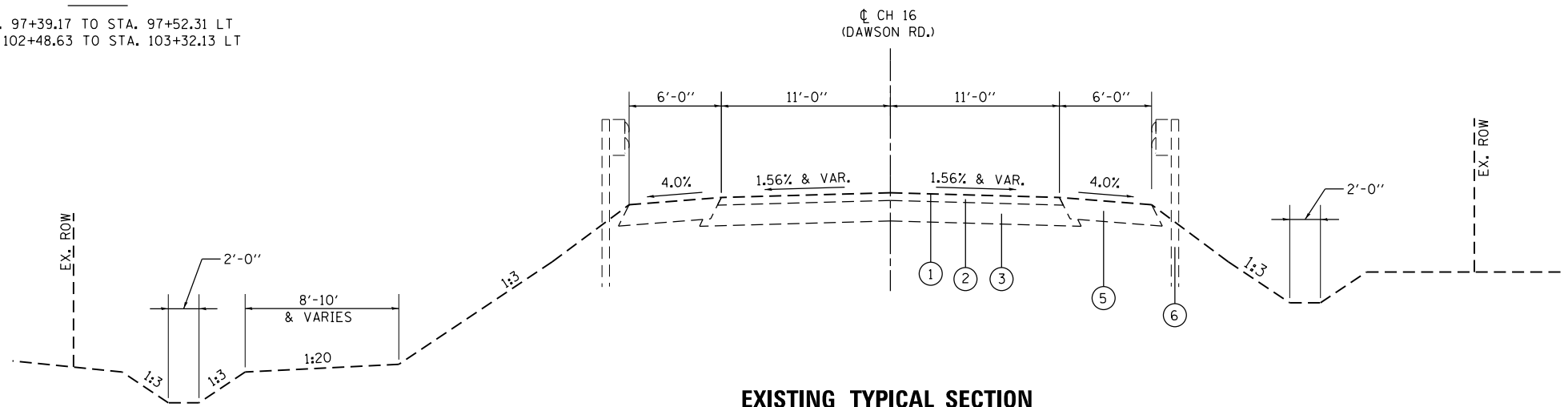
INSET

STA. 97+39.17 TO STA. 97+52.31 LT
STA. 102+48.63 TO STA. 103+32.13 LT



INSET

STA. 96+68.54 TO STA. 97+52.31 RT
STA. 102+48.63 TO STA. 102+61.56 RT



**EXISTING TYPICAL SECTION
COUNTY HIGHWAY 16**

STA. 97+52.31 TO STA. 98+75.33
STA. 101+24.67 TO STA. 102+48.63

EX SN 084-0155
STA. 98+75.33 TO STA. 101+24.67

LEGEND

- ① EX. OIL & CHIP SURFACE
- ② EX. HOT-MIX ASPHALT SURFACE COURSE, 3"
- ③ EX. AGGREGATE BASE COURSE, 8"
- ④ EX. AGGREGATE WEDGE SHOULDER
- ⑤ EX. HOT-MIX ASPHALT WIDENING, 9"
- ⑥ EX. GUARDRAIL

| | | | | | | | | | | | |
|------------------------------------|-----------------------------|-----------------|-----------|---|--|-----------------------------|---------------------------|--------------------|-------------------|-------------------|---------------|
| FILE NAME = D672H97-sh-t-tp.dgn | USER NAME = jstein | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS CH 16 (DAWSON RD.) | | F.A.I. R.T.E. = 72 | SECTION = | COUNTY = SANGAMON | TOTAL SHEETS = 56 | SHEET NO. = 8 |
| | PLOT SCALE = 10.0000' / in. | CHECKED - SJK | REVISED - | | | | ILLINOIS FED. AID PROJECT | CONTRACT NO. 72H97 | | | |
| Default | PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISED - | SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA. | | (84-10-2) BDGE RAISING 2016 | | | | | |

| EARTHWORK SCHEDULE | | | | | | | |
|-----------------------------|----|-----------|---------------------------|--|---------------------|---|-------------------------------|
| | | | EARTH EXCAVATION CU YD | FOR INFORMATION ONLY | | | FURNISHED EXCAVATION CU YD |
| | | | | EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE CU YD | EMBANKMENT CU YD | BALANCE WASTE (+) SHORTAGE (-) CU YD | |
| STATION | TO | STATION | CU YD | CU YD | CU YD | CU YD | |
| CH 16 (DAWSON RD.) | | | | | | | |
| 92+00.00 | TO | 98+75.33 | 79 | 59.3 | 2264 | -2209.8 | 2209.8 |
| 101+24.67 | TO | 107+50.00 | 89 | 66.8 | 1677 | -1610.3 | 1610.3 |
| TOTAL: | | | 170 | | 3946 | | 3820 |

| TEMPORARY DITCH CHECK SCHEDULE | | | | |
|--------------------------------|--------|-------|------------------------|------------|
| LOCATION | | | TEMPORARY DITCH CHECKS | |
| STATION | OFFSET | LT/RT | EA | FOOT |
| CH 16 (DAWSON RD.) | | | | |
| 93+25.00 | 41.16 | LT | 1 | 9 |
| 93+50.00 | 47.97 | RT | 1 | 9 |
| 93+88.00 | 43.98 | LT | 1 | 9 |
| 94+40.00 | 53.86 | RT | 1 | 9 |
| 96+50.00 | 64.51 | LT | 1 | 9 |
| 97+00.00 | 77.12 | RT | 1 | 9 |
| 97+36.00 | 83.15 | RT | 1 | 9 |
| 97+50.00 | 79.82 | LT | 1 | 9 |
| 97+72.00 | 88.88 | RT | 1 | 9 |
| 98+08.00 | 87.69 | LT | 1 | 9 |
| 98+08.00 | 94.24 | RT | 1 | 9 |
| 98+28.00 | 90.51 | LT | 1 | 9 |
| 98+40.00 | 93.33 | LT | 1 | 9 |
| 98+40.00 | 98.82 | RT | 1 | 9 |
| 98+50.00 | 97.16 | LT | 1 | 9 |
| 101+50.00 | 91.01 | LT | 1 | 9 |
| 101+50.00 | 94.90 | RT | 1 | 9 |
| 101+90.00 | 90.62 | RT | 1 | 9 |
| 102+13.00 | 84.20 | LT | 1 | 9 |
| 102+29.00 | 84.63 | RT | 1 | 9 |
| 102+63.00 | 78.61 | RT | 1 | 9 |
| 102+83.00 | 75.79 | LT | 1 | 9 |
| 102+94.00 | 73.14 | RT | 1 | 9 |
| 104+00.00 | 58.66 | LT | 1 | 9 |
| TOTAL: | | | | 216 |

| SEEDING SCHEDULE | | | | | | | | | |
|-----------------------------|----|-----------|--------------------------|--|--|---|---|-------------------------|--|
| LOCATION | | | SEEDING, CLASS 2 ACRE | NITROGEN FERTILIZER NUTRIENT POUND | PHOSPHORUS FERTILIZER NUTRIENT POUND | POTASSIUM FERTILIZER NUTRIENT POUND | AGRICULTURAL GROUND LIMESTONE TON | MULCH, METHOD 2 ACRE | TEMP. EROSION CONTROL SEEDING (POUND) (2 APPL.) POUND |
| STATION | TO | STATION | ACRE | POUND | POUND | POUND | TON | ACRE | POUND |
| CH 16 (DAWSON RD.) | | | | | | | | | |
| 92+50.00 | TO | 98+50.00 | 0.99 | 89.3 | 89.3 | 89.3 | 2.0 | 0.99 | 198 |
| 101+50.00 | TO | 107+00.00 | 0.81 | 73.2 | 73.2 | 73.2 | 1.6 | 0.81 | 163 |
| TOTAL: | | | 1.81 | 162.45 | 162.45 | 162.45 | 3.61 | 1.81 | 361.00 |
| PAY TOTAL: | | | 1.75 | 160 | 160 | 160 | 3.6 | 1.75 | 360 |

| INLET AND PIPE PROTECTION SCHEDULE | | | | |
|------------------------------------|-------|----|--|---------------------------|
| | | | | INLET AND PIPE PROTECTION |
| | | | | EACH |
| CH 16 (DAWSON RD.) | | | | |
| 92+78.41 | 27.73 | RT | | 1 |
| 93+57.29 | 35.94 | LT | | 1 |
| 98+35.90 | 15.63 | LT | | 1 |
| 98+40.18 | 15.63 | RT | | 1 |
| 98+74.33 | 84.12 | LT | | 1 |
| 101+04.91 | 76.57 | LT | | 1 |
| 101+59.82 | 15.63 | LT | | 1 |
| 101+64.10 | 15.63 | RT | | 1 |
| TOTAL: | | | | 8 |

| PERIMETER EROSION BARRIER SCHEDULE | | | | |
|------------------------------------|----|-----------|-------|---------------------------|
| LOCATION | | | | PERIMETER EROSION BARRIER |
| STATION | TO | STATION | LT/RT | FOOT |
| CH 16 (DAWSON RD.) | | | | |
| 94+30.20 | TO | 95+10.05 | RT | 80.1 |
| 105+53.70 | TO | 107+00.00 | RT | 147.3 |
| TOTAL: | | | | 227 |

| REMOVAL SCHEDULE | | | | | | | | | | | | | | |
|-----------------------------|--------|-------|----|-----------|--------|-------|------------------------|---------------------|------------------------------|-----------------------|----------------------------|--------------------|----------------------|--|
| LOCATION | | | | | | | PAVED DITCH REMOVAL | PAVEMENT REMOVAL | PAVED SHOULDER REMOVAL | PIPE DRAIN REMOVAL | PIPE CULVERT REMOVAL | REMOVING INLETS | GUARDRAIL REMOVAL | REMOVE AND RE-ERECT EXISTING SIGN |
| STATION | OFFSET | LT/RT | TO | STATION | OFFSET | LT/RT | FOOT | SO YD | SO YD | FOOT | FOOT | EACH | FOOT | EACH |
| CH 16 (DAWSON RD.) | | | | | | | | | | | | | | |
| 92+50.00 | | LT/RT | TO | 94+50.00 | | LT/RT | | 488.9 | | | | | | |
| 96+68.54 | | | TO | 98+76.59 | | RT | | | | | | | 208.2 | |
| 97+39.17 | | | TO | 98+72.27 | | LT | | | | | | | 133.4 | |
| 98+18.63 | 81.56 | LT | TO | 98+61.10 | 89.55 | LT | 42.5 | | | | | | | |
| 98+28.82 | | LT | TO | 98+74.17 | | LT | | | | 30.2 | | | | |
| 98+31.85 | | RT | TO | 98+78.40 | | RT | | | | 31.0 | | | | |
| 98+35.83 | | LT/RT | TO | 98+75.83 | | LT/RT | | 97.8 | | | | | | |
| 98+64.84 | 14.69 | LT | TO | 98+69.04 | 14.57 | RT | | | | | 29.6 | | | |
| 98+64.84 | 14.69 | LT | | | | | | | | | | 1.0 | | |
| 98+66.90 | 18.86 | LT | | | | | | | | | | | | 1 |
| 98+69.04 | 14.57 | RT | | | | | | | | | | 1.0 | | |
| 98+69.04 | 14.57 | RT | TO | 98+69.19 | 85.44 | RT | | | | 70.9 | | | | |
| 98+69.19 | 85.44 | RT | | | | | | | | | | | | |
| 101+22.32 | | LT | TO | 101+68.15 | | LT | | | | 30.6 | | | | |
| 101+24.17 | | LT/RT | TO | 101+64.17 | | LT/RT | | 97.8 | | | | | | |
| 101+23.69 | | | TO | 103+32.13 | | LT | | | | | | | 208.6 | |
| 101+25.99 | | RT | TO | 101+71.18 | | RT | | | | 30.1 | | | | |
| 101+28.30 | | | TO | 102+61.56 | | RT | | | | | | | 133.6 | |
| 101+31.11 | 14.45 | LT | TO | 101+35.23 | 14.42 | RT | | | | | 29.2 | | | |
| 101+31.11 | 14.45 | LT | | | | | | | | | | 1.0 | | |
| 101+35.18 | 19.47 | RT | | | | | | | | | | | | 1 |
| 101+35.23 | 14.42 | RT | | | | | | | | | | 1.0 | | |
| 101+35.23 | 14.42 | RT | TO | 101+43.05 | 81.35 | RT | | | | 67.4 | | | | |
| 105+50.00 | | LT/RT | TO | 107+00.00 | | LT/RT | | 366.7 | | | | | | |
| FROM ENTRANCE SCHEDULE | | | | | | | | 239.0 | | | | | | |
| TOTAL: | | | | | | | 42 | 1290 | 122 | 138 | 59 | 4 | 684 | 2 |

SEE ENTRANCE SCHEDULE FOR ADDITIONAL PAVEMENT REMOVAL QUANTITY

| | | | | | | | | | | | | | |
|--|---|-----------------|-----------|---|-------------------------------|--|--|---------------------|---------|----------|-----------------|---------------------------|--|
| FILE NAME = | USER NAME = jstein | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| P:\100662\Dawson Rd over I-72\4 CADD - | DWG\4.7 Tran\CADD Sheets\0672H97-sht-schedule | DRAWN - EKS | REVISED - | | | | | 72 | . | SANGAMON | 56 | 11 | |
| Default | PLOT SCALE = 50.0000' / in. | CHECKED - SJK | REVISED - | | SCALE: NTS | | | SHEET 2 OF 5 SHEETS | | STA. | TO STA. | ILLINOIS FED. AID PROJECT | |
| | PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISED - | | CONTRACT NO. 72H97 | | | | | | | | |

| DRAINAGE SCHEDULE | | | | | | | | | | | |
|-----------------------------|-------|----|---------|-----------|----------------------------|-----------------------------------|-------------------|--------------|-----------------------------------|-----------|----------|
| | | | | | TRANSVERSE DRAINS COMPLETE | CONCRETE HEADWALL FOR PIPE DRAINS | METAL END SECTION | PIPE DRAINS | TYPE G INLET BOX, STANDARD 610001 | | |
| STATION | | TO | STATION | | EACH | EACH | 12 INCH EACH | 12 INCH FOOT | EACH | | |
| CH 16 (DAWSON RD.) | | | | | | | | | | | |
| 94+50.00 | | | LT/RT | | | | 1 | 2 | | | |
| 98+35.90 | 15.29 | | LT | | | | | | | 1 | |
| 98+35.90 | 16.05 | LT | TO | 98+35.90 | 27.05 | LT | | | 11 | | |
| 98+35.90 | 28.80 | | LT | | | | 1 | | | | |
| 98+40.18 | 15.29 | | RT | | | | | | | 1 | |
| 98+40.18 | 16.05 | RT | TO | 98+40.18 | 27.05 | RT | | | 11 | | |
| 98+40.18 | 28.80 | | RT | | | | 1 | | | | |
| 101+59.82 | 15.26 | | LT | | | | | | | 1 | |
| 101+59.82 | 16.05 | LT | TO | 101+59.82 | 27.05 | LT | | | 11 | | |
| 101+59.82 | 28.80 | | LT | | | | 1 | | | | |
| 101+64.10 | 15.29 | | RT | | | | | | | 1 | |
| 101+64.10 | 16.05 | RT | TO | 101+64.10 | 27.05 | RT | | | 11 | | |
| 101+64.10 | 28.80 | | RT | | | | 1 | | | | |
| 105+50.00 | | | LT/RT | | | | 1 | 2 | | | |
| | | | | | TOTAL: | | 2 | 4 | 4 | 44 | 4 |

| PAVING SCHEDULE | | | | | | | | | | | |
|--|----|-----------|------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------|---------------------|--|--------------------------------|
| * BITUMINOUS SURFACE TREATMENT, TYPE A-3 | | | | | | | | | | | |
| LOCATION | | | | SUBBASE GRANULAR MATERIAL, TYPE A | BITUMINOUS MATERIALS (PRIME COAT) | BITUMINOUS MATERIALS (COVER COAT) | BITUMINOUS MATERIALS (SEAL COAT) | COVER COAT AGGREGATE | SEAL COAT AGGREGATE | P. C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL) | AGGREGATE SHOULDERS, TYPE B 6" |
| | | | | | 1 APPLICATION | 2 APPLICATION | 3 APPLICATIONS (2 COVER, 1 SEAL) | 2 APPLICATIONS | 1 APPLICATION | | |
| STATION | TO | STATION | NOTES | TON | TON | TON | TON | TON | TON | SQ YD | SQ YD |
| CH 16 (DAWSON RD.) | | | | | | | | | | | |
| 92+50.00 | TO | 98+45.83 | ML | 658.2 | 3.4 | 5.6 | 2.5 | 37.9 | 18.9 | | |
| 92+50.00 | TO | 98+31.85 | SHLDR - RT | | | | | | | | 239.3 |
| 92+50.00 | TO | 98+28.82 | SHLDR - LT | | | | | | | | 237.1 |
| 96+26.94 | TO | 98+31.85 | SHLDR - RT | 70.5 | 0.3 | 0.5 | 0.2 | 3.6 | 1.8 | | |
| 96+34.97 | TO | 98+28.82 | SHLDR - LT | 86.6 | 0.3 | 0.5 | 0.2 | 3.4 | 1.7 | | |
| 98+28.82 | TO | 98+43.91 | SHLDR - LT | | | | | | | 10.1 | |
| 98+31.85 | TO | 98+47.77 | SHLDR - RT | | | | | | | 10.6 | |
| 101+52.23 | TO | 101+68.15 | SHLDR - LT | | | | | | | 10.6 | |
| 101+54.17 | TO | 107+00.00 | ML | 560.1 | 3.1 | 5.1 | 2.3 | 34.7 | 17.4 | | |
| 101+56.09 | TO | 101+71.18 | SHLDR - RT | | | | | | | 10.1 | |
| 101+68.15 | TO | 103+73.05 | SHLDR - LT | 78.4 | 0.3 | 0.5 | 0.2 | 3.4 | 1.8 | | |
| 101+68.15 | TO | 107+00.00 | SHLDR - LT | | | | | | | | 209.5 |
| 101+71.18 | TO | 103+65.03 | SHLDR - RT | 69.5 | 0.3 | 0.5 | 0.2 | 3.4 | 1.7 | | |
| 101+71.18 | TO | 107+00.00 | SHLDR - RT | | | | | | | | 235.3 |
| FROM ENTRANCE SCHEDULE | | | | 216.1 | 1.1 | 1.6 | 0.7 | 11.0 | 5.5 | | |
| TOTAL: | | | | 1739 | 8.8 | 14.3 | 6.3 | 97 | 49 | 41 | 921 |

* PER ARTICLE 403.01(c) A-3 SHALL CONSIST OF A PRIME COAT, TWO SEPARATE APPLICATIONS OF A BITUMINOUS COVER COAT MATERIAL AND COVER COAT AGGREGATE, AND A BITUMINOUS SEAL COAT MATERIAL AND SEAL COAT AGGREGATE.
SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITY

| | | | | | | | | | | | | | |
|--|-----------------------------|-----------------|-----------|---|-------------------------------|--|--|--|---|---------|----------|--------------|---------------------------|
| FILE NAME = | USER NAME = pererova | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES | | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\jll\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 6\Projects\0672\DRAWING\Submittal\2016-08-03.FINAL\REVISED Sheets\0672H97-sht-schedules.dgn | PLOT SCALE = 50.0000' / in. | CHECKED - SJK | REVISED - | | | | | | 72 | . | SANGAMON | 56 | 12 |
| Default | PLOT DATE = 9/26/2016 | DATE - AUG 2016 | REVISED - | | | | | | SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA. | | | | ILLINOIS FED. AID PROJECT |

| WOVEN WIRE FENCE | | | | | | | | |
|-----------------------------|--------|-------|----|-----------|--------|-------|--------------------------|----------------------|
| LOCATION | | | | | | | WOVEN WIRE FENCE REMOVAL | WOVEN WIRE FENCE, 4' |
| STATION | OFFSET | LT/RT | TO | STATION | OFFSET | LT/RT | FOOT | FOOT |
| CH 16 (DAWSON RD.) | | | | | | | | |
| 98+34.96 | 104.75 | LT | TO | 98+75.39 | 19.11 | LT | 95.0 | 95.0 |
| 98+65.94 | 110.46 | RT | TO | 98+78.42 | 18.59 | RT | 92.7 | 92.7 |
| 101+19.89 | 18.62 | LT | TO | 101+36.19 | 110.3 | LT | 93.2 | 93.2 |
| 101+25.21 | 18.84 | RT | TO | 101+63.77 | 104.27 | RT | 94.0 | 94.0 |
| TOTAL: | | | | | | | 375 | 375 |

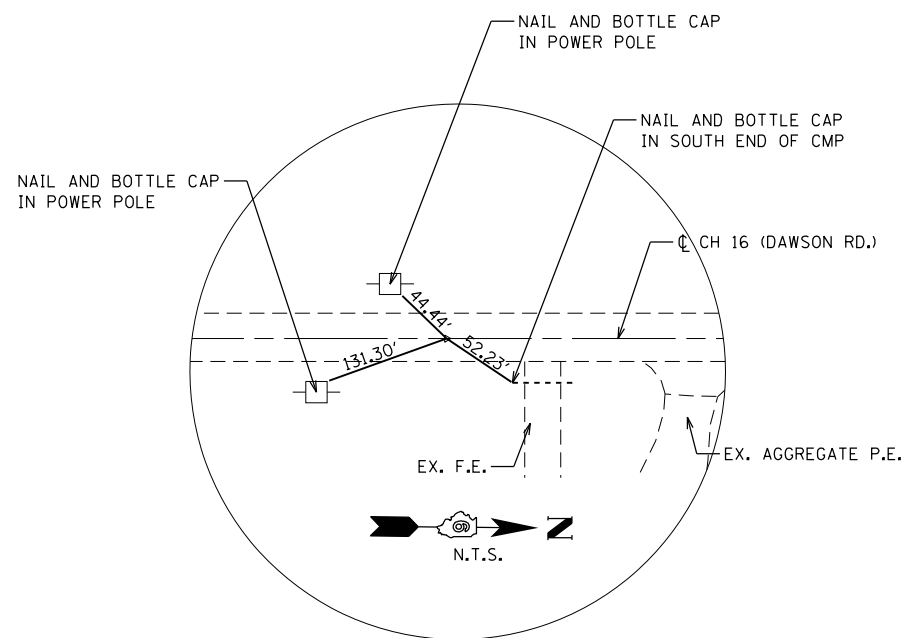
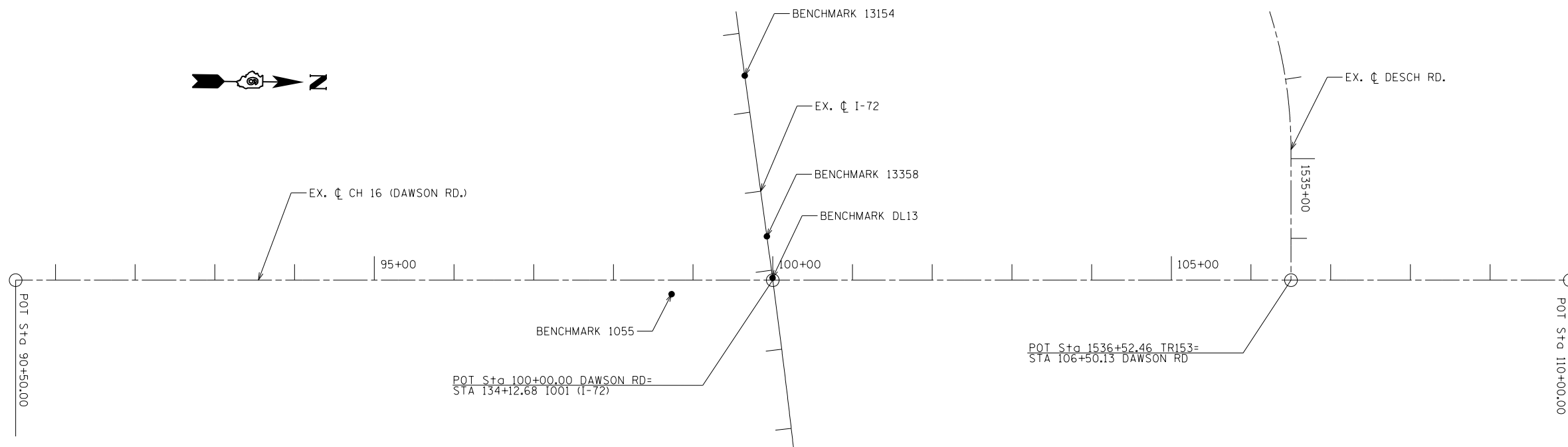
| RIPRAP SCHEDULE | | | | |
|-----------------------------|--------|-------|------------------------|---------------|
| LOCATION | | | STONE RIPRAP, CLASS A4 | FILTER FABRIC |
| STATION | OFFSET | LT/RT | SQ YD | SQ YD |
| CH 16 (DAWSON RD.) | | | | |
| 98+35.90 | 26.93 | LT | 91.7 | 91.7 |
| 98+40.18 | 26.93 | RT | 101.3 | 101.3 |
| 101+59.82 | 26.93 | LT | 88.5 | 88.5 |
| 101+64.10 | 26.93 | RT | 91.7 | 91.7 |
| TOTAL: | | | 373 | 373 |

| ENTRANCE SCHEDULE | | | | | | | | | | | | |
|-----------------------------|-------|---------------|-------------------|-------|--------|-----------------------------------|---|-----------------------------------|----------------------------------|----------------------|---------------------|------------------|
| LOCATION | | | EX. MATERIAL TYPE | WIDTH | LENGTH | SUBBASE GRANULAR MATERIAL, TYPE A | *BITUMINOUS SURFACE TREATMENT, TYPE A-3 | | | | | PAVEMENT REMOVAL |
| | | | | | | | BITUMINOUS MATERIALS (PRIME COAT) | BITUMINOUS MATERIALS (COVER COAT) | BITUMINOUS MATERIALS (SEAL COAT) | COVER COAT AGGREGATE | SEAL COAT AGGREGATE | |
| STATION | LT/RT | TYPE | | FOOT | FOOT | TON | 1 APPLICATION | 2 APPLICATIONS | 1 APPLICATION | 2 APPLICATIONS | 1 APPLICATION | SQ YD |
| CH 16 (DAWSON RD.) | | | | | | | | | | | | |
| 92+99.93 | RT | P. E. - RURAL | HMA | 22.00 | 15.00 | 31.6 | 0.2 | 0.3 | 0.1 | 1.6 | 0.8 | 58.0 |
| 95+07.81 | LT | F. E. - RURAL | AGG | 15.00 | 73.30 | 98.4 | 0.5 | 0.7 | 0.3 | 5.0 | 2.5 | |
| 106+50.13 | LT | S. R. - DESCH | HMA | PLANS | PLANS | 86.1 | 0.4 | 0.6 | 0.3 | 4.4 | 2.2 | 181.0 |
| SUB - TOTAL: | | | | | | 216.1 | 1.1 | 1.6 | 0.7 | 11.0 | 5.5 | 239.0 |

* PER ARTICLE 403.01* A-3 SHALL CONSIST OF A PRIME COAT, TWO SEPARATE APPLICATIONS OF A BITUMINOUS COVER COAT MATERIAL AND
 SEE PAVING SCHEDULE FOR REMAINDER OF VARIOUS PAVEMENT ITEMS
 SEE REMOVAL SCHEDULE FOR REMAINDER OF PAVEMENT REMOVAL

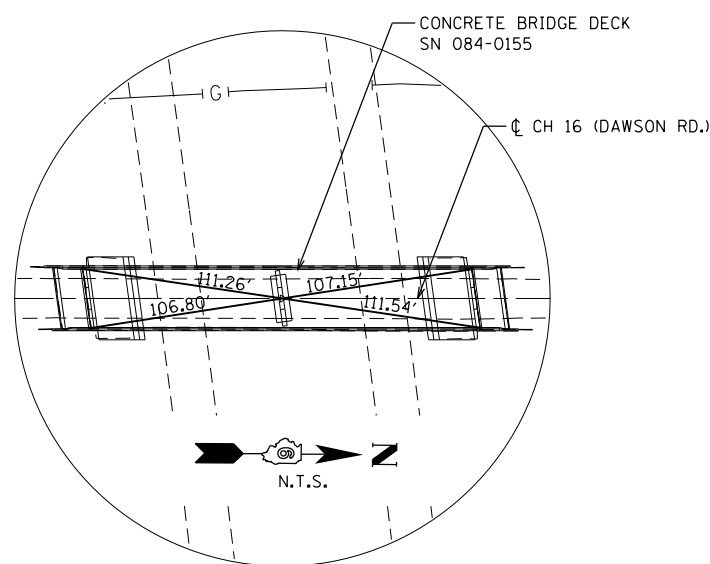
| PAVEMENT MARKING SCHEDULE SCHEDULE | | | | | |
|------------------------------------|----|-----------|---------------|------------------|----------------------------------|
| LOCATION | | | | | PAINT PAVEMENT MARKING - LINE 5" |
| STATION | TO | STATION | LOCATION | TYPE | FOOT |
| CH 16 (DAWSON RD.) | | | | | |
| 92+50.00 | TO | 101+24.74 | Centerline RT | Solid Yellow | 874.7 |
| 92+50.00 | TO | 98+75.33 | Centerline | Skip-Dash Yellow | 156.3 |
| 98+75.26 | TO | 107+00.00 | Centerline LT | Solid Yellow | 824.7 |
| 101+24.67 | TO | 107+00.00 | Centerline | Skip-Dash Yellow | 143.8 |
| TOTAL: | | | | | 2000 |

| GUARDRAIL SCHEDULE | | | | | | | | |
|-----------------------------|----|-----------|-------|--|----------------------------------|--|----------------------------------|---------------------------|
| LOCATION | | | | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | TRAFFIC BARRIER TERMINAL, TYPE 6 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | TERMINAL MARKER - DIRECT APPLIED | GUARDRAIL MARKERS, TYPE A |
| STATION | TO | STATION | LT/RT | FOOT | EACH | EACH | EACH | EACH |
| CH 16 (DAWSON RD.) | | | | | | | | |
| 96+66.94 | TO | 97+16.94 | RT | | | 1 | 1 | |
| 96+74.97 | TO | 97+24.97 | LT | | | 1 | 1 | |
| 97+16.94 | TO | 98+29.44 | RT | 112.5 | | | | |
| 97+24.97 | TO | 98+24.97 | LT | 100.0 | | | | |
| 98+24.97 | TO | 98+68.12 | LT | | 1 | | | |
| 98+29.44 | TO | 98+72.59 | RT | | 1 | | | |
| 96+74.97 | TO | 103+33.05 | LT | | | | | 8 |
| 96+66.94 | TO | 103+25.03 | RT | | | | | 8 |
| 101+27.40 | TO | 101+70.55 | LT | | 1 | | | |
| 101+31.08 | TO | 101+75.03 | RT | | 1 | | | |
| 101+70.55 | TO | 102+83.05 | LT | 112.5 | | | | |
| 101+75.03 | TO | 102+75.03 | RT | 100.0 | | | | |
| 102+83.05 | TO | 103+33.05 | LT | | | 1 | 1 | |
| 102+75.03 | TO | 103+25.03 | RT | | | 1 | 1 | |
| TOTAL: | | | | 425 | 4 | 4 | 4 | 16 |



CONTROL POINT - POT 500

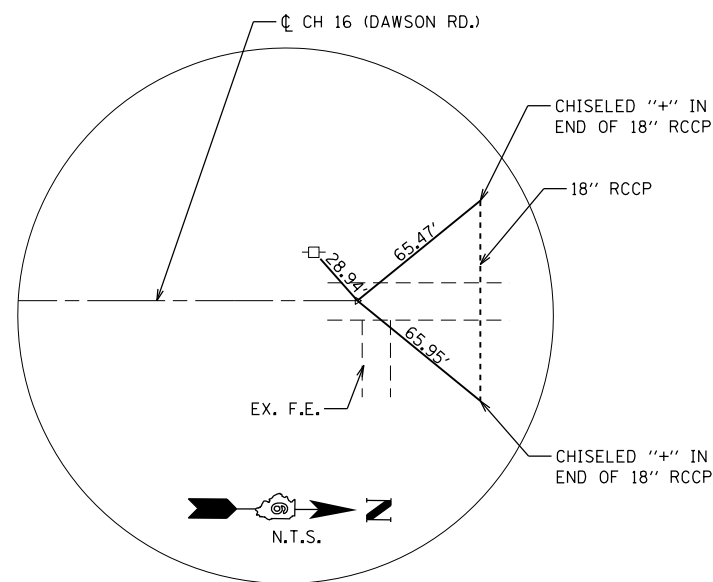
STA. 90+50.00
OFF. 0.00'
N: 1155119.25
E: 2494061.32



CONTROL POINT - POT 501

ALL TIES ARE TO INSIDE CORNER OF
CONCRETE BRIDGE DECK AT EXPANSION JOINT
AND PARAPET WALL

STA. 100+00.00
OFF. 0.00'
N: 1156069.21
E: 2494052.52
ELE. 606.02



CONTROL POINT - POT 502

STA. 110+00.00
OFF. 0.00'
N: 1157069.17
E: 2494043.25

BENCHMARK 1055

SET CHISELED "□" ON SE CORNER OF
BRIDGE SN 084-0155 APPROACH PARAPET WALL

STA. 134+13.33 (I-72)
OFF. 128.16' RT
ELE. 607.13

BENCHMARK 13358

PERMANENT SURVEY MARKER ON I-72 AT PC

STA. 133+57.14 (I-72)
OFF. 0.00'
ELE. 580.93

BENCHMARK 13154

PERMANENT SURVEY MARKER ON I-72 AT PT

STA. 131+53.52 (I-72)
OFF. 0.00'
ELE. 582.11

BENCHMARK DL13

FD. CHISELED "□" IN CENTER PIER OF
SN 084-0155 IN MEDIAN OF I-72

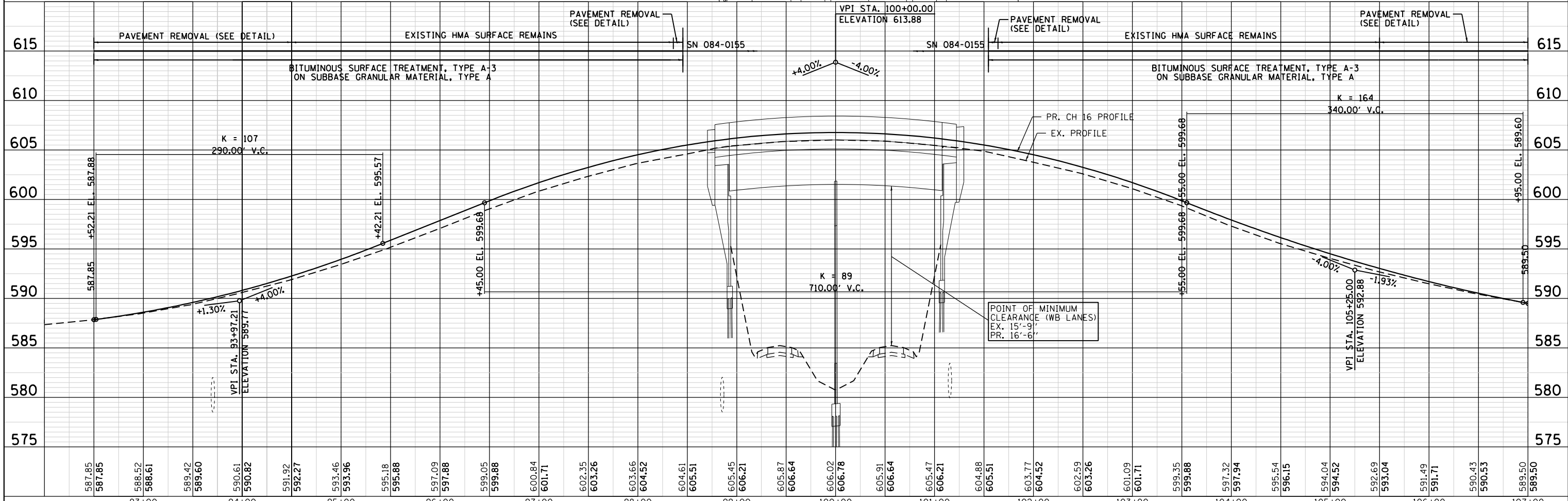
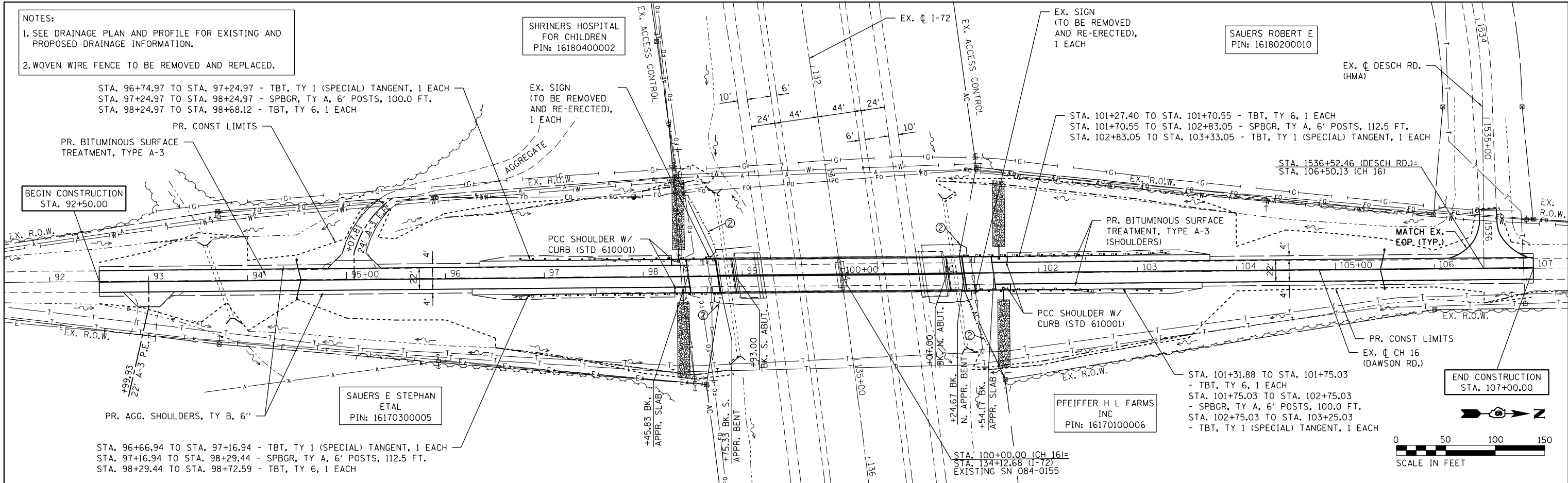
STA. 134+13 (I-72)
OFF. 0.00' RT
ELE. 582.59

| | | | | | | | | | | | | |
|---|------------------------------|-----------------|-----------|---|---------------------------------------|---------------------|------|----------------|--------------------|-----------------|-----------------|--------------|
| FILE NAME = P:\100662\Dawson Rd over I-72\4 CADD - DWG\4.7 Tran\CADD Sheets\0672H97-sht-ATB.dgn | USER NAME = jstein | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ALIGNMENT, TIES AND BENCHMARKS | | | F.A.I. RTE. 72 | SECTION * | COUNTY SANGAMON | TOTAL SHEETS 56 | SHEET NO. 15 |
| Default | PLOT SCALE = 160.0000' / in. | CHECKED - SJK | REVISED - | | SCALE: 1" = 80' | SHEET 1 OF 1 SHEETS | STA. | TO STA. | CONTRACT NO. 72H97 | | | |
| | PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | |
| (84-10-2) BDGE RAISING 2016 | | | | | | | | | | | | |

NOTES:
 1. SEE DRAINAGE PLAN AND PROFILE FOR EXISTING AND PROPOSED DRAINAGE INFORMATION.
 2. WOVEN WIRE FENCE TO BE REMOVED AND REPLACED.

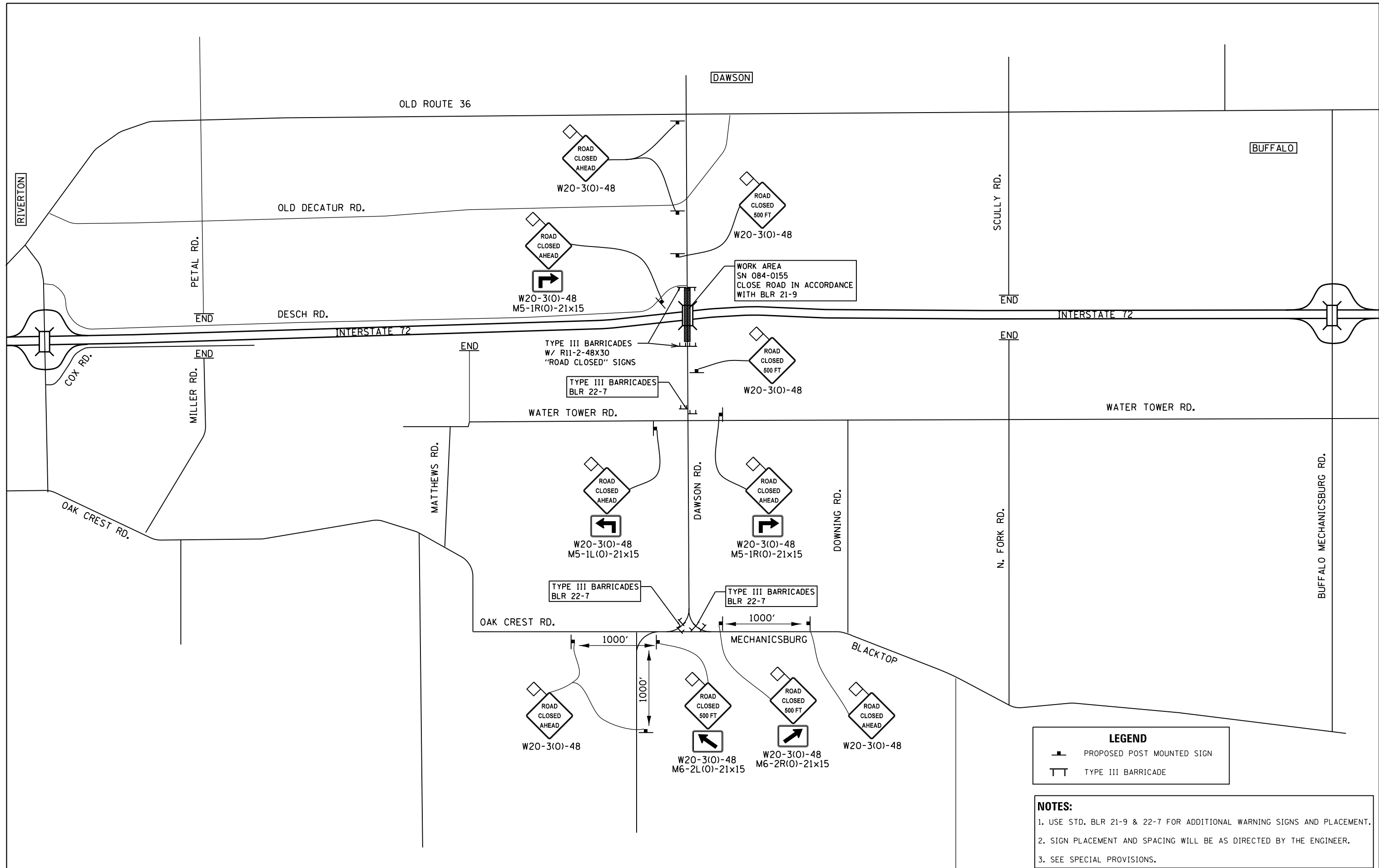
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|------|----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | FILED | |
| | NO. | |

| | | |
|---------|-----------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | STRUCTURE | |
| | NOTATIONS | |
| | CHKD | |
| | NO. | |



| | | | | | | | | | | | | |
|------------------------------------|-----------------------------|-----------------|-----------|---|---|---------------------------|---------------------|-------------------|-------------------|---------------------------|--|--|
| FILE NAME = D672H97-sht-plnprf.dgn | USER NAME = roher tm | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN AND PROFILE CH 16 (DAWSON ROAD) | F.A.I. RTE. = 72 | SECTION = | COUNTY = SANGAMON | TOTAL SHEETS = 56 | SHEET NO. = 16 | | |
| Default | PLOT SCALE = 100.0000' / 1" | CHECKED - SJK | REVISED - | | | SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | |
| | PLOT DATE = 8/23/2016 | DATE = AUG 2016 | REVISED - | | | CONTRACT NO. 72H97 | | | | | | |
| | | | | | | ILLINOIS FED. AID PROJECT | | | | | | |

(84-10-2) BDGE RAISING 2016



LEGEND

-  PROPOSED POST MOUNTED SIGN
-  TYPE III BARRICADE

NOTES:

1. USE STD. BLR 21-9 & 22-7 FOR ADDITIONAL WARNING SIGNS AND PLACEMENT.
2. SIGN PLACEMENT AND SPACING WILL BE AS DIRECTED BY THE ENGINEER.
3. SEE SPECIAL PROVISIONS.

| | | | |
|---------------------------------------|-------------------------------|-----------------|-----------|
| FILE NAME = D672H97-sht-detour.dgn | USER NAME = jstein | DESIGNED - JWS | REVISED - |
| Default | PLOT SCALE = 3750.0000' / in. | DRAWN - EKS | REVISED - |
| | PLOT DATE = 8/3/2016 | CHECKED - SJK | REVISED - |
| | | DATE - AUG 2016 | REVISED - |

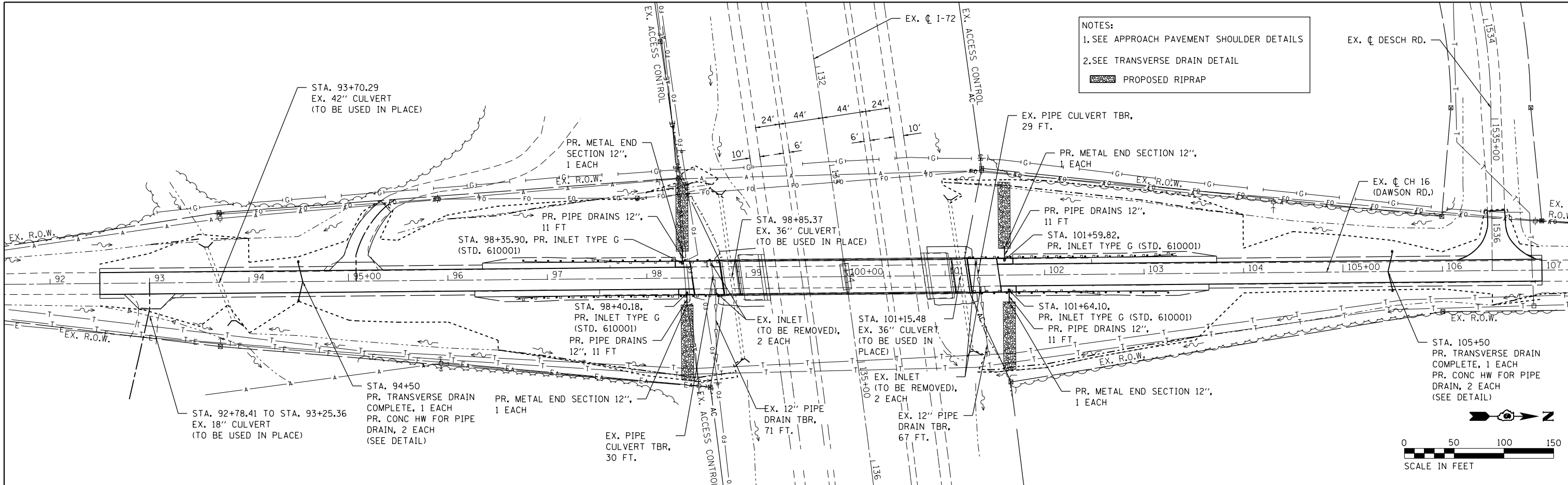
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROAD CLOSURE DETAIL

SCALE: 1" = 1875' SHEET OF SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | . | SANGAMON | 56 | 17 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

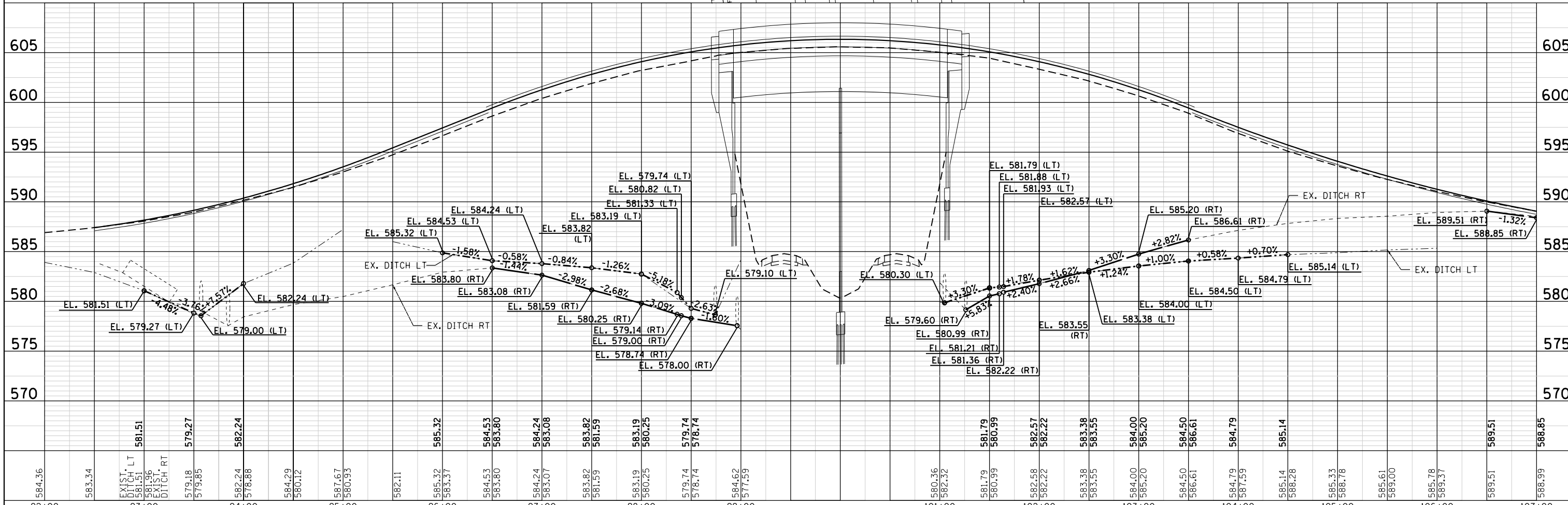
| | |
|-----------|--|
| DATE | |
| BY | |
| PLAN | |
| SURVEYED | |
| PLOTTED | |
| NOTE BOOK | |
| CHECKED | |
| FILE NAME | |
| NO. | |



NOTES:
 1. SEE APPROACH PAVEMENT SHOULDER DETAILS
 2. SEE TRANSVERSE DRAIN DETAIL
 [Hatched Symbol] PROPOSED RIPRAP



| | |
|----------------|--|
| DATE | |
| BY | |
| PROFILE | |
| SURVEYED | |
| GRADES CHECKED | |
| STRUCTURE | |
| NOTATIONS | |
| NO. | |



| | | | | | | | | |
|-----------------------------------|-----------------------------|-----------------|-----------|---|---------------------------|---------------------|---|---------------------------|
| FILE NAME = D672H97-shd-drain.dgn | USER NAME = jstein | DESIGNED - JWS | REVISOR - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE PLAN AND PROFILE | | F.A.I. RTE. 72 SECTION . COUNTY SANGAMON TOTAL SHEETS 56 SHEET NO. 19 CONTRACT NO. 72H97 | |
| Default | PLOT SCALE = 100.0000' / 1" | CHECKED - SJK | REVISOR - | | CH 16 (DAWSON ROAD) | | | |
| | PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISOR - | | SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | | STA. TO STA. |
| | | | | | | | | ILLINOIS FED. AID PROJECT |

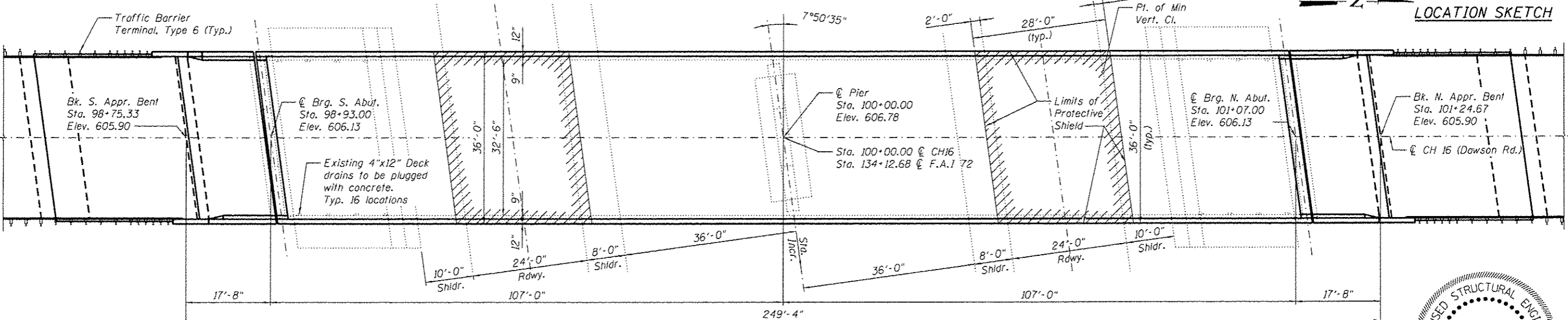
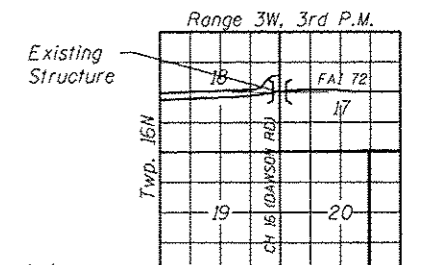
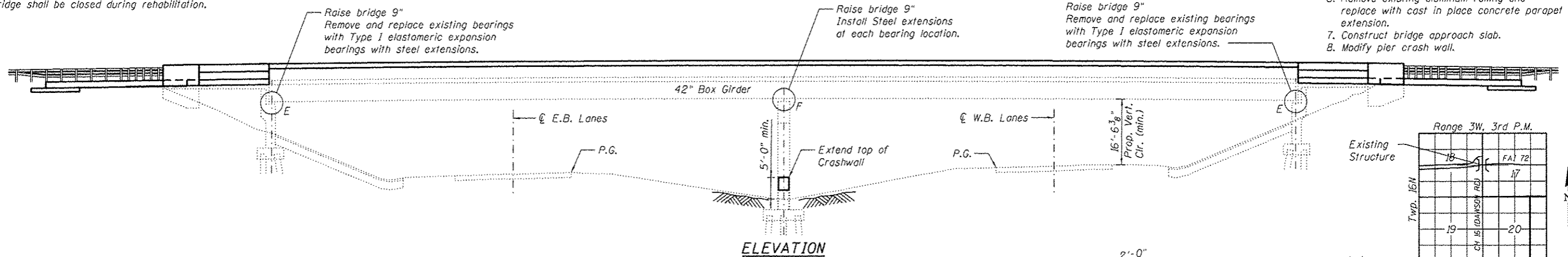
Benchmark:
 BM DL 13 chiseled "□" in center pier of structure 084-0155 in median of I-72; Sta. 134+13; @ NAVD 88 = 582.59 f1

BM 1055 chiseled "□" on SE center of bridge structure 084-0155 approach parapet wall at Sta. 134+13.33 at 128.16' Rt (I-72 Align) NAVD 88 = 607.13 f1

Existing Structure: S.M. 084-0155 Built as C.H. Rte. 16 over F.A.I. Rte. 72 Sec. 84-10-2HB in 1975. The superstructure consists of a R.C. deck supported on three two-span welded steel box girders. Vaulted abutments support the approach spans. Bridge shall be closed during rehabilitation.

SCOPE OF WORK

1. Remove and replace vaulted abutment slabs.
2. Remove and replace expansion joints at abutments.
3. Raise bridge.
4. Remove and replace existing expansion bearings and provide steel extensions of abutments and pier.
5. Bridge deck repair.
6. Remove existing aluminum railing and replace with cast in place concrete parapet extension.
7. Construct bridge approach slab.
8. Modify pier crash wall.



DESIGN SPECIFICATIONS

(New Construction)
 2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

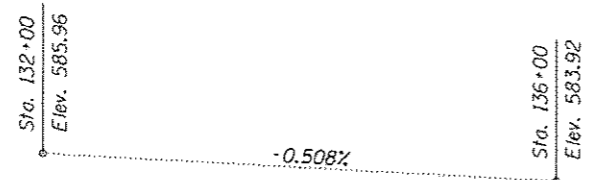
LOADING HS20-44

(Original Construction)
 25#/sq. ft. for future wearing surface.

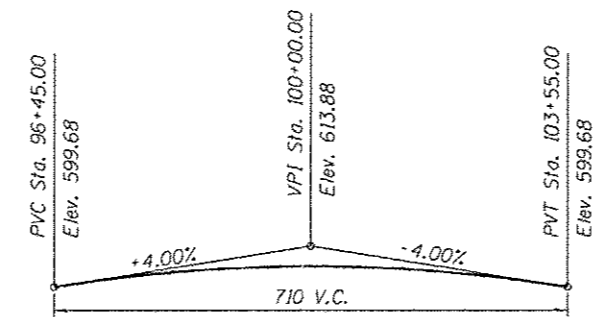
DESIGN STRESSES

- FIELD UNITS**
 New Construction
- $f'_c = 3,500$ psi
 - $f'_c = 4,000$ psi (Superstructure Concrete)
 - $f_y = 60,000$ psi (Reinforcement)
 - $f_y = 36,000$ psi (M270 Gr. 36 Structural Steel)
- Original Construction**
- $f_c = 1,200$ psi (Deck Slab)
 - $f_c = 1,400$ psi (Parapet, Curb & Sub.)
 - $f_s = 20,000$ psi (Reinforcement)
 - $f_s = 20,000$ psi (Structural Steel)

* Profile information is taken from existing plans and has been approximately adjusted to the current survey datum.



*** FAI ROUTE 72 PROFILE GRADE**
 (Along Median Edge of Pavement)



CH 16 (DAWSON RD) PROFILE GRADE
 (Along @ Roadway)

APPROVED
 For Structural Adequacy Only
Angela L. Nemsky
 Engineer of Bridges & Structures



8/3/2016

Angela L. Nemsky
 EXPIRES 11/30/2016

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 General Data
- 3 Concrete Removal Details
- 4 Concrete Replacement Details
- 5 Parapet Extension Details
- 6 Deck Slab Repair
- 7 Bridge Approach Slab Details
- 8 Bridge Approach Slab Details
- 9 Expansion Joint Details
- 10 Pier Bearing Details
- 11 Abutment Bearing Details
- 12 Jacking and Cribbing Details
- 13 Pier Crashwall Modifications
- 14 Bar Splicer Details

GENERAL PLAN AND ELEVATION
CH 16 (DAWSON RD.) OVER I-72/US 36
F.A.I. ROUTE 72
SEC. (84-10-2) BDGE RAISING 2016
SANGAMON COUNTY
STA. 100+00.00
STRUCTURE NO. 084-0155

FILE NAME: P:\180662\ Dawson Rd over I-72 V. CAD - DWG\4.4 Structure\084-0155-72\97-01-DPE.dgn



| | | |
|-------------------------------|--------------------|---------|
| USER NAME = vjgn | DESIGNED - MJJ/ALN | REVISED |
| CHECKED - ALN | REVISED | |
| PLOT SCALE = 8/2,000 1" = 16' | DRAWN - MJJ/MLS | REVISED |
| PLOT DATE = 8/2/2016 | CHECKED - ALN | REVISED |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 084-0155

SHEET NO. 1 OF 14 SHEETS

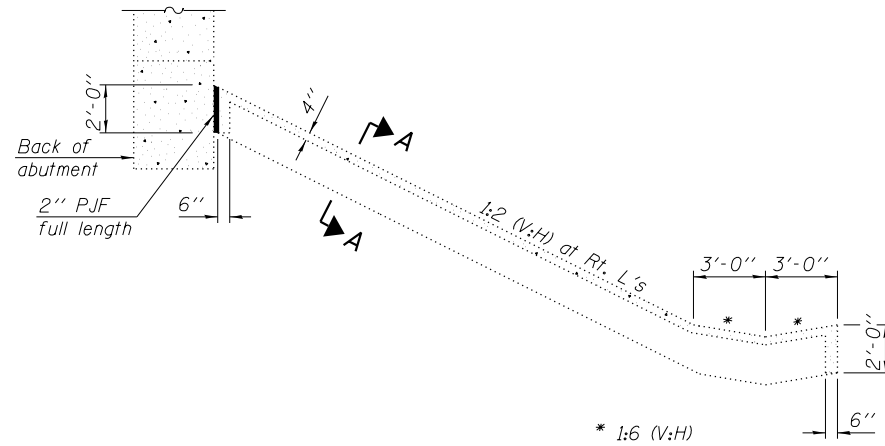
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|--------------------|--------------|-----------|
| 72 | - | SANGAMON | 56 | 20 |
| *(84-10-2) BDGE RAISING 2016 | | CONTRACT NO. 72H97 | | |
| [ILLINOIS] FED. AID PROJECT | | | | |

GENERAL NOTES

1. Calculated weight of Structural Steel = 2,760lbs
2. All structural steel shall be AASHTO M 270 Grade 36
3. Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. 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.
6. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat shall be Interstate Green, Munsell No. 7.5G 4/8.
7. Prior to pouring the new concrete deck at expansion joints, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
8. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
9. Stationing, existing survey, and existing vertical clearance information were provided by IDOT, District 6.
10. Rubbed finish shall be applied to the surfaces of parapets and wingwalls.
11. The deck surface of main spans adjacent to joints shall have its final finish tined according to article 420.09 (e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.
12. Joint openings shall be adjusted according to article 520.4 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.
13. 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."

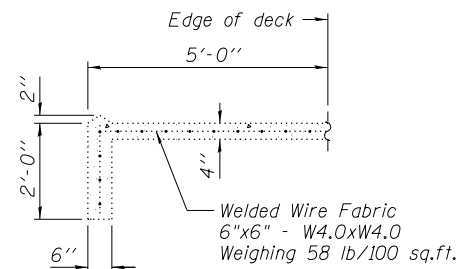
TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|---|---------|--------|-------|--------|
| Concrete Removal | Cu. Yd. | 62.3 | | 62.3 |
| Preformed Joint Strip Seal | Foot | 79 | | 79 |
| Concrete Structures | Cu. Yd. | | 25.3 | 25.3 |
| Concrete Superstructure | Cu. Yd. | 69.9 | | 69.9 |
| Concrete Superstructure (Approach Slab) | Cu. Yd. | 104.9 | | 104.9 |
| Rubbed Finish | Sq. Ft. | 1483.9 | 90.8 | 1574.7 |
| Bridge Deck Grooving | Sq. Yd. | 341.9 | | 341.9 |
| Elastomeric Bearing Assembly, Type I | Each | 12 | | 12 |
| Removal of Existing Bearings | Each | 12 | | 12 |
| Reinforcement Bars, Epoxy Coated | Pound | 56,190 | 4,300 | 60,490 |
| Sand Backfill | Cu. Yd. | | 22 | 22 |
| Deck Slab Repair (Partial) | Sq. Yd. | 59.5 | | 59.5 |
| Jacking Existing Superstructure | L. Sum | 1 | | 1 |
| Furnishing & Erecting Structural Steel | Pound | 2,760 | | 2,760 |
| Protective Coat | Sq. Yd. | 470.7 | | 470.7 |
| Plug Existing Deck Drains | Each | 16 | | 16 |
| Bar Splicers | Each | 88 | | 88 |
| Protective Shield | Sq. Yd. | 224 | | 224 |



SECTION THRU EXISTING CONCRETE SLOPEWALL

Note:
Slope wall at the North and South Abutment shall remain in place, unless required to be removed for the construction of the Contractor's jacking system. If all or portions of the slope wall are damaged or removed, the Contractor shall reconstruct embankment to the existing conditions prior to placing the slope wall. The slope wall shall be reconstructed according to the details shown in the plans for the existing slope wall. The cost of any slope wall removal and reconstruction required, due to the construction of the Contractor's jacking system or other damage caused by the Contractor, is included in "Jacking Existing Superstructure".



SECTION A-A

FILE NAME = P:\108662\08500000 - DWG\4.4 CAD00 - DWG\4.4 CAD00 - DWG\4.4 Struct\0848155-72H97-02-General.Dwg

THOUVENOT, WADE & MOERCHEN, INC.
SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES



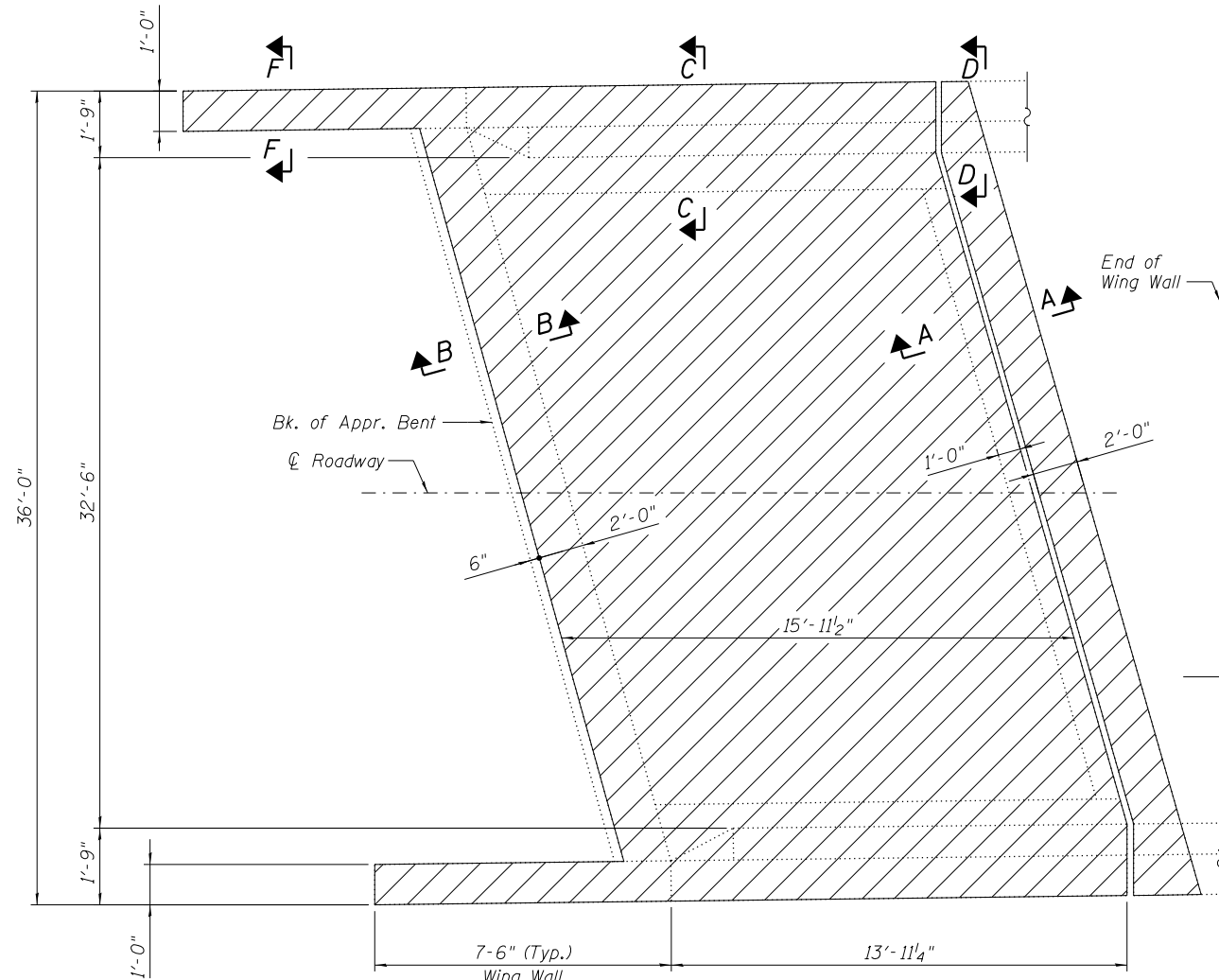
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| USER NAME = tryan | DESIGNED - MLS | REVISED |
| | CHECKED - ALN | REVISED |
| PLOT SCALE = 0:2.0000 '1' / 11" | DRAWN - MLS | REVISED |
| PLOT DATE = 8/3/2016 | CHECKED - ALN | REVISED |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

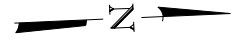
**GENERAL DATA
STRUCTURE NO. 084-0155**

SHEET NO. 2 OF 14 SHEETS

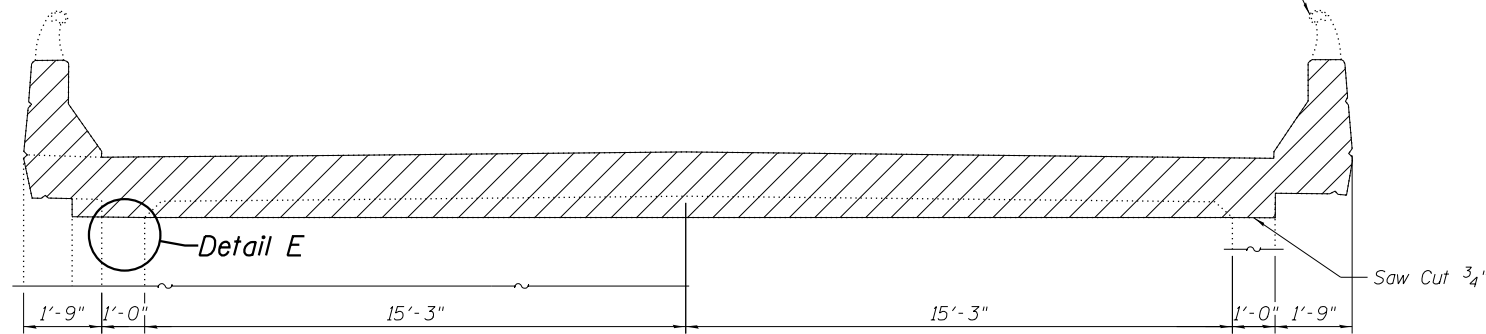
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|----------|--------------------|-----------|
| 72 | • | SANGAMON | 56 | 21 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |



PLAN AT VAULTED ABUTMENT
(South Span Shown, North Similar)



Existing Metal rail to be removed full length of bridge. Cost included with Concrete Removal.



NEAR APPROACH BENT

NEAR ABUTMENT

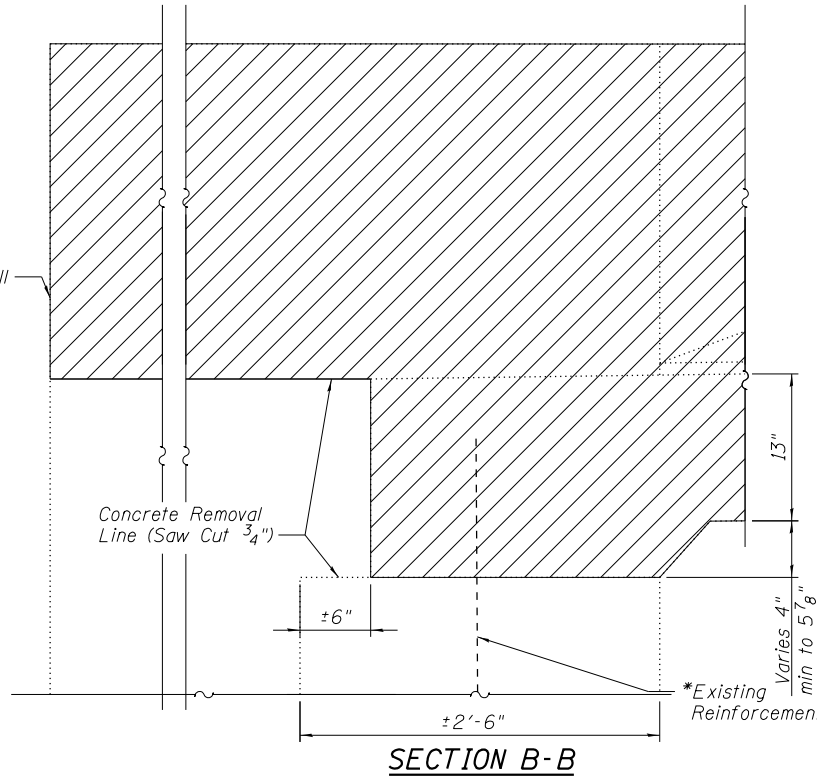
CROSS SECTION - VAULTED ABUTMENT SLAB

Concrete Removal

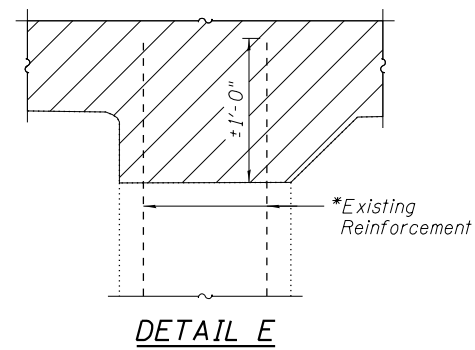
BILL OF MATERIAL

| Concrete Removal | Cu. Yd. | 62.3 |
|------------------|---------|------|
| | | |

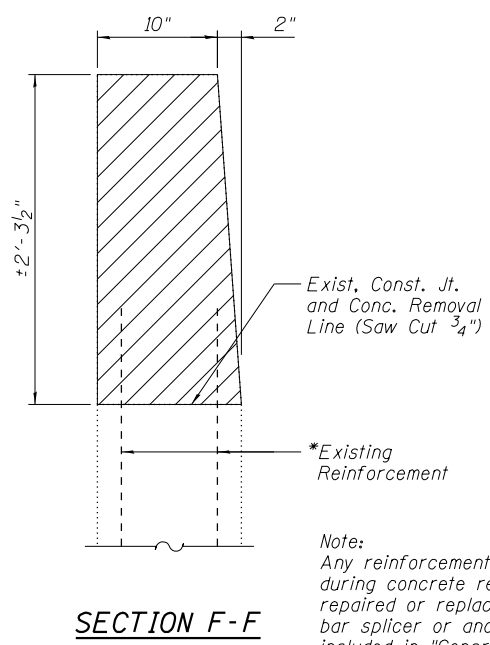
* Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.



SECTION B-B

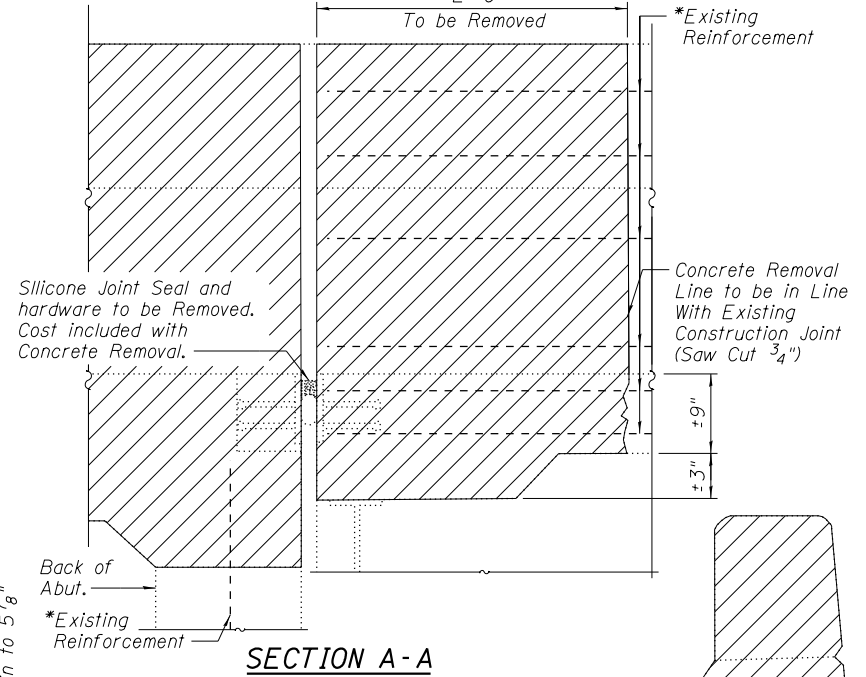


DETAIL E

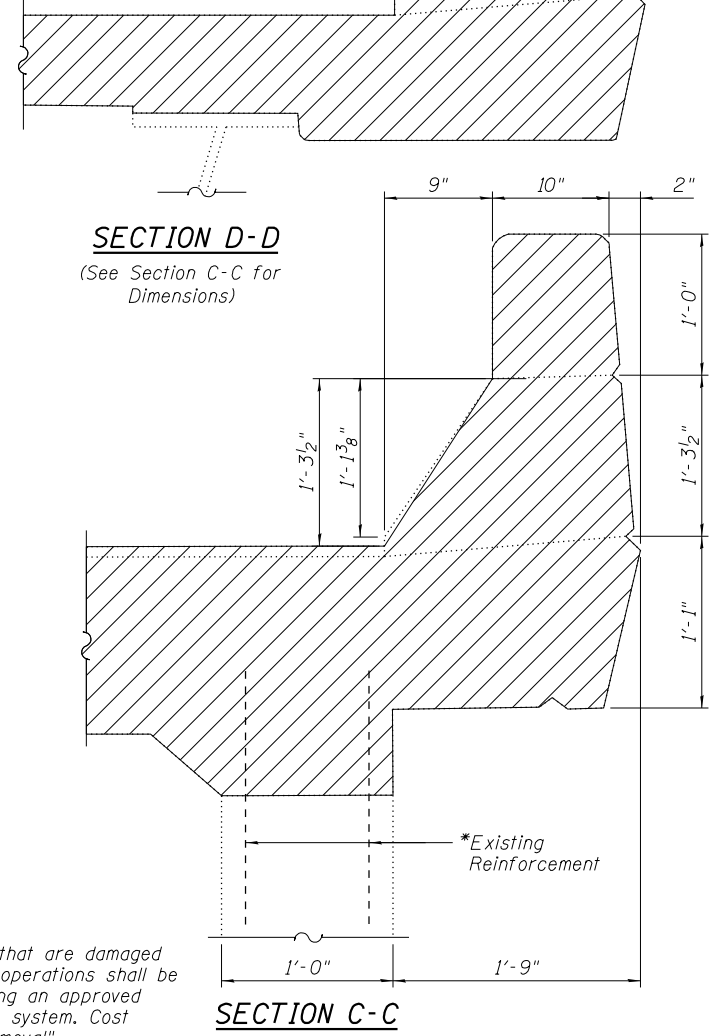


SECTION F-F

Note:
Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in "Concrete Removal".



SECTION A-A



SECTION D-D
(See Section C-C for Dimensions)

SECTION C-C

FILE NAME = F:\100662\0505en Rd over I-72\4 CAD00 - DWG\4.4 Struc\0840155-72H97-03-Concrete Removal Details.dgn

THOUVENOT, WADE & MOERCHEN, INC.
SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES



| | | |
|---------------------------------|----------------|-----------|
| USER NAME = tryan | DESIGNED - TJR | REVISED |
| CHECKED - ALN | REVISIONS | |
| PLOT SCALE = 0:2.0000 '1' / 11" | DRAWN - TJR | REVISIONS |
| PLOT DATE = 8/3/2016 | CHECKED - ALN | REVISIONS |

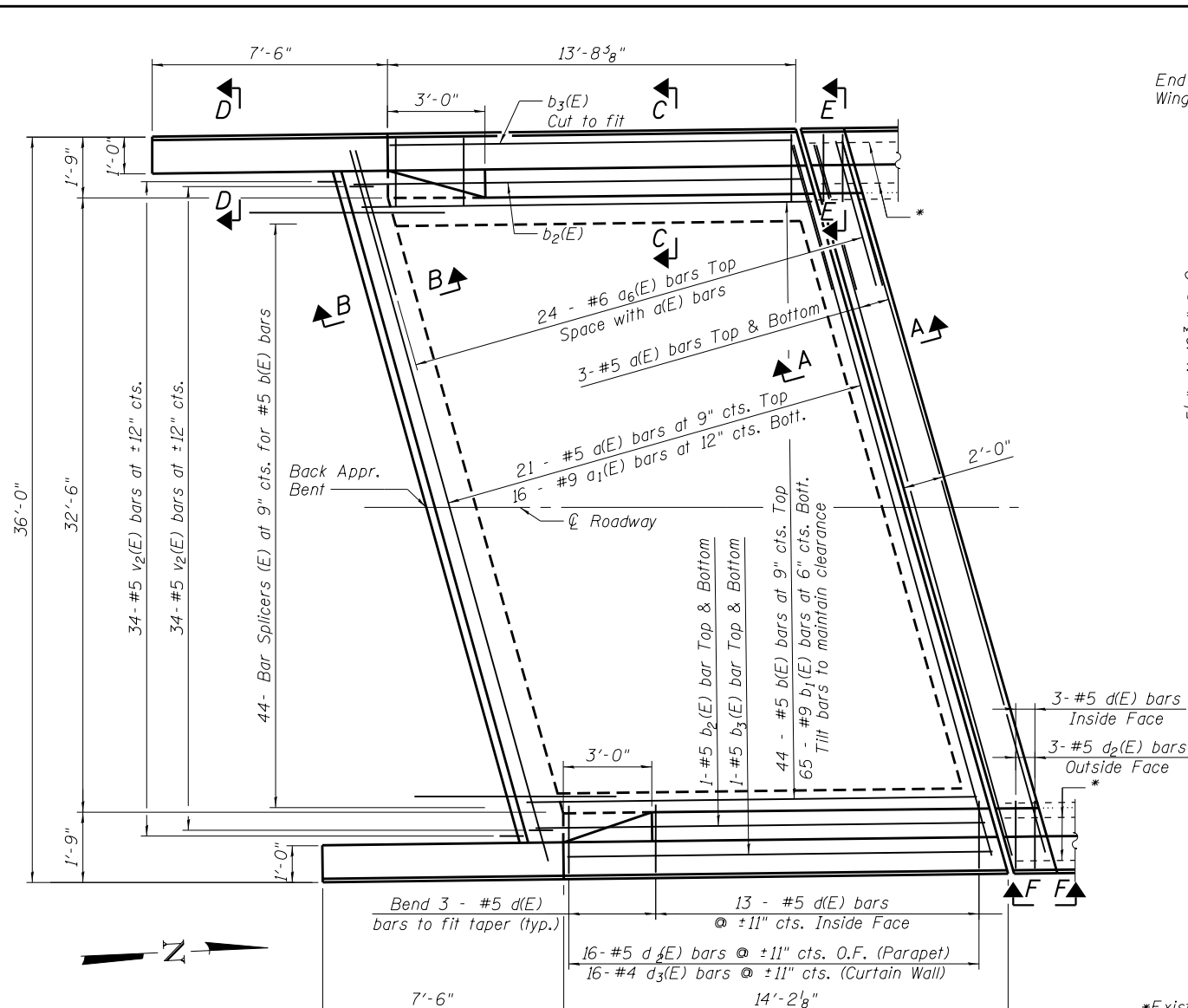
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAILS
STRUCTURE NO. 084-0155

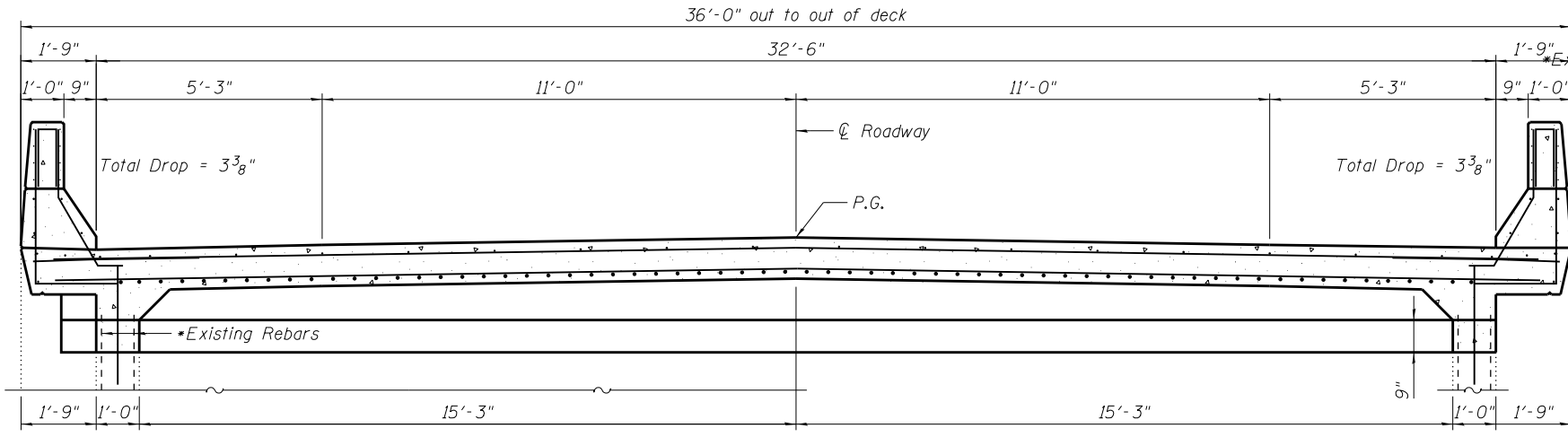
SHEET NO. 3 OF 14 SHEETS

| F.A.I. RT.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|----------|--------------------|-----------|
| 72 | | SANGAMON | 56 | 22 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

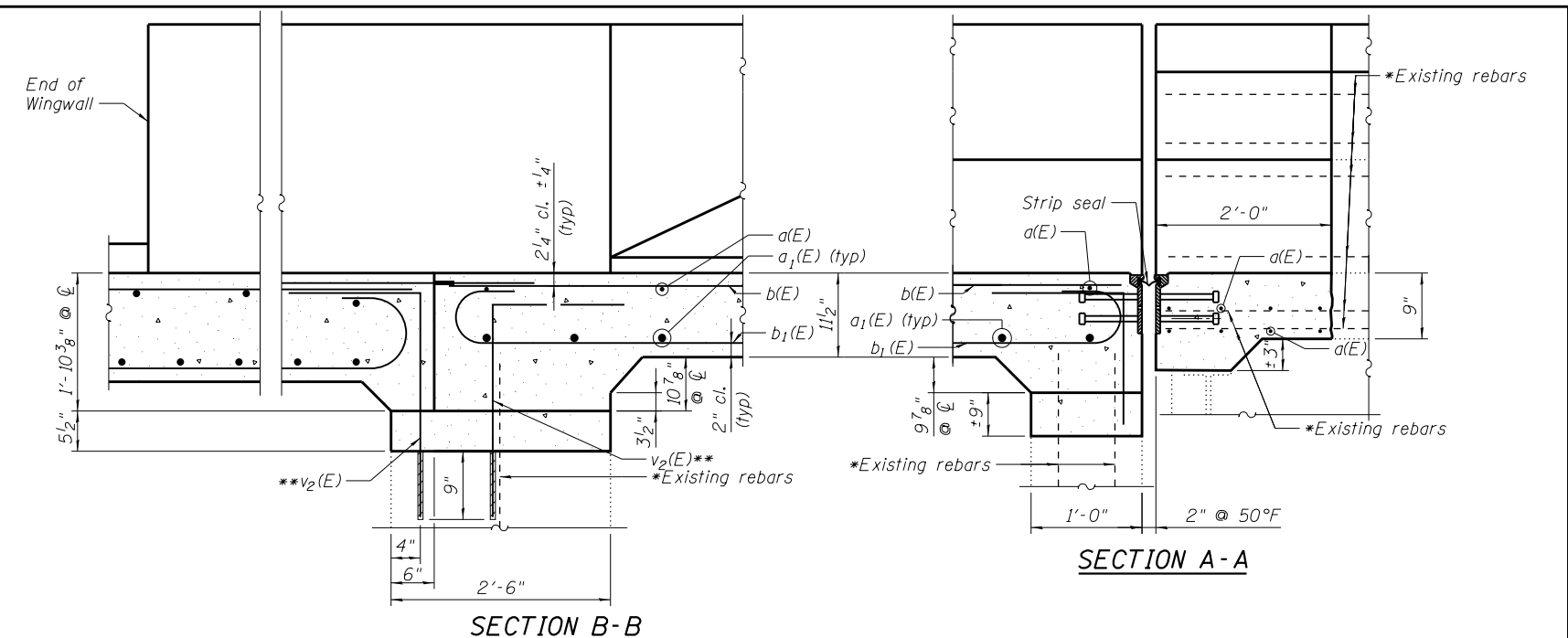
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PLAN AT VAULTED ABUTMENT
(South Span Shown, North is Similar)

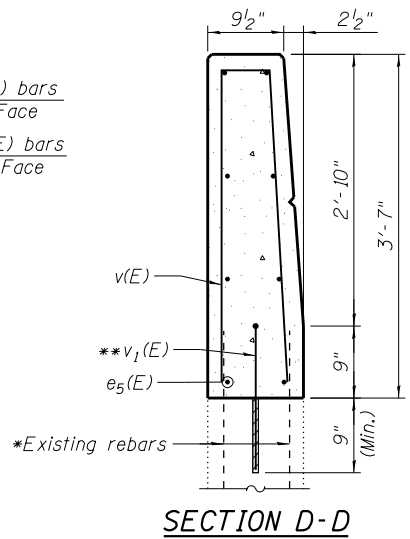


CROSS SECTION - VAULTED ABUTMENT SLAB

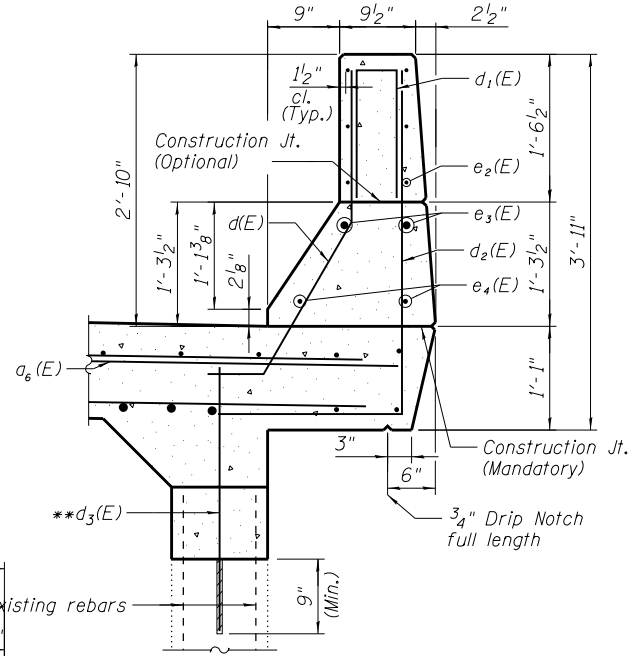


SECTION B-B

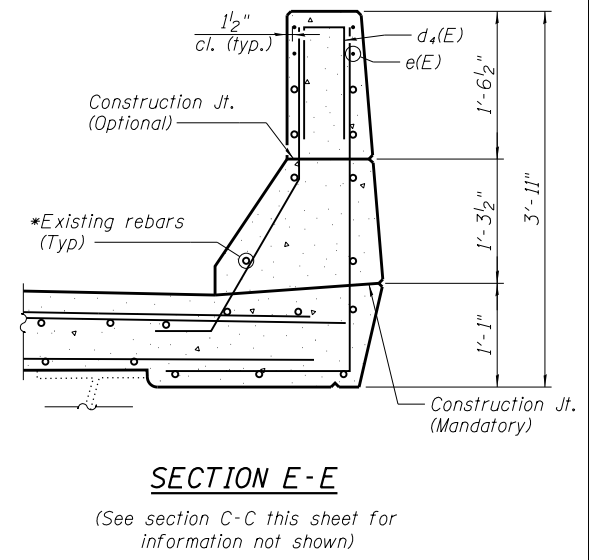
SECTION A-A



SECTION D-D



SECTION C-C



SECTION E-E

(See section C-C this sheet for information not shown)

Notes:
For Bill of Material and additional details, see sht. 5 of 14

*Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

**Bars shall be field drilled and epoxy grouted into existing concrete in accordance with recommendations of the epoxy grout manufacturer and the Standard Specifications, Section 584. Cost included in "Reinforcement Bars, Epoxy Coated".

THOUVENOT, WADE & MOERCHEN, INC.
SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES

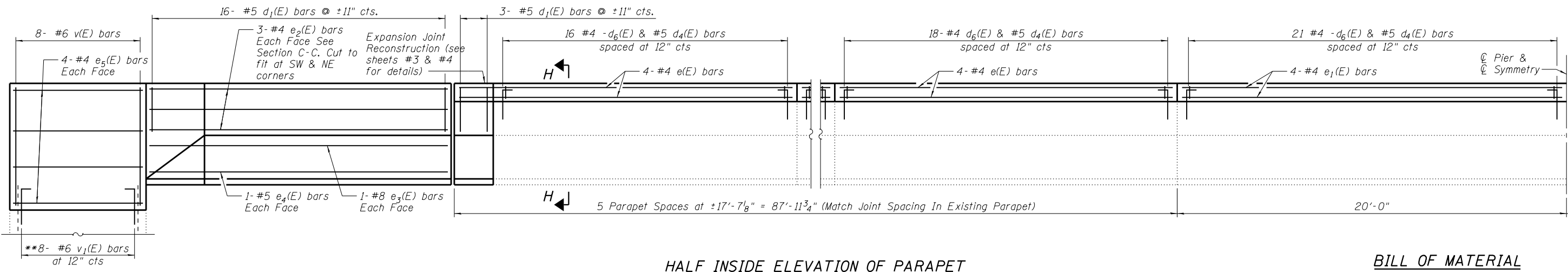
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| PLOT DATE = 8/2/2016 | DRAWN - TJR | REVISED |
| | CHECKED - ALN | REVISED |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE REPLACEMENT DETAILS
STRUCTURE NO. 084-0155**
SHEET NO. 4 OF 14 SHEETS

| | | | | |
|------------------------------|---------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72 | . | SANGAMON | 56 | 23 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

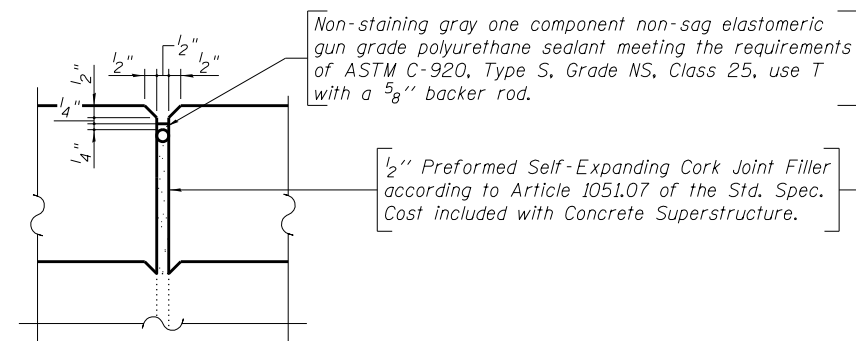
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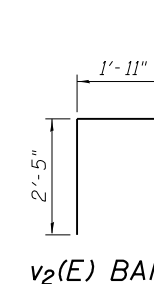
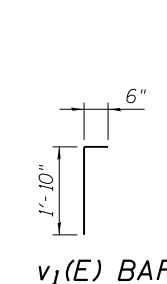
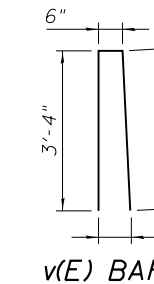
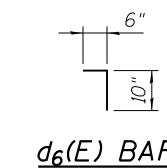
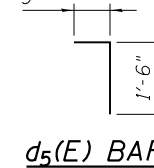
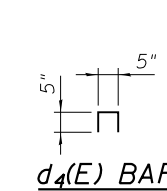
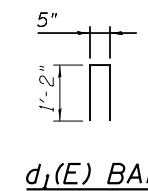
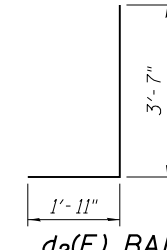
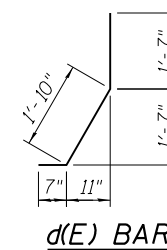
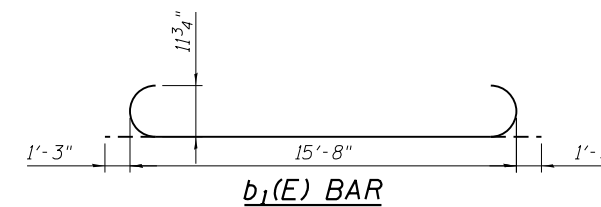
HALF INSIDE ELEVATION OF PARAPET

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|---------|---------|-------|
| a(E) | 54 | #5 | 35'-0" | — |
| a ₁ (E) | 32 | #9 | 35'-0" | — |
| a ₆ (E) | 96 | #6 | 4'-0" | — |
| b(E) | 88 | #5 | 15'-8" | — |
| b ₁ (E) | 130 | #9 | 18'-2" | — |
| b ₂ (E) | 8 | #5 | 15'-8" | — |
| b ₃ (E) | 8 | #5 | 13'-10" | — |
| d(E) | 76 | #5 | 4'-0" | — |
| d ₁ (E) | 76 | #5 | 2'-9" | — |
| d ₂ (E) | 76 | #5 | 5'-6" | — |
| d ₃ (E) | 64 | #4 | 2'-6" | — |
| d ₄ (E) | 436 | #5 | 1'-3" | — |
| d ₅ (E) | 12 | #5 | 2'-3" | — |
| d ₆ (E) | 436 | #4 | 1'-4" | — |
| e(E) | 160 | #4 | 17'-4" | — |
| e ₁ (E) | 16 | #4 | 19'-9" | — |
| e ₂ (E) | 24 | #4 | 13'-10" | — |
| e ₃ (E) | 8 | #8 | 13'-5" | — |
| e ₄ (E) | 8 | #5 | 10'-5" | — |
| e ₅ (E) | 32 | #4 | 7'-3" | — |
| v(E) | 32 | #6 | 7'-2" | — |
| v ₁ (E) | 32 | #6 | 2'-4" | — |
| v ₂ (E) | 136 | #5 | 4'-4" | — |
| Concrete Superstructure | | Cu. Yd. | 69.9 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 22,020 | |
| Sand Backfill | | Cu. Yd. | 22 | |

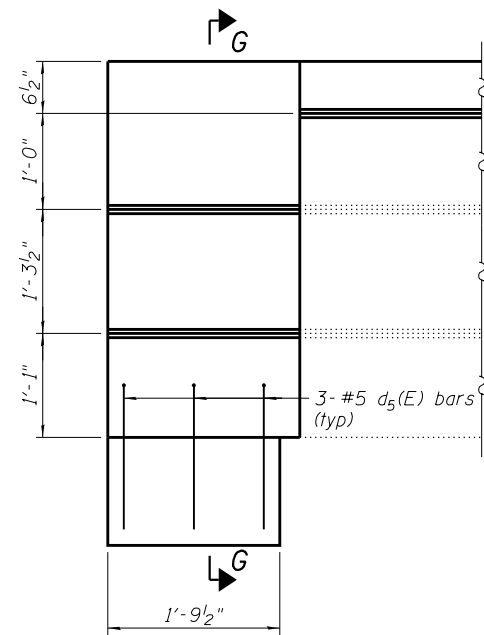


PARAPET JOINT DETAIL

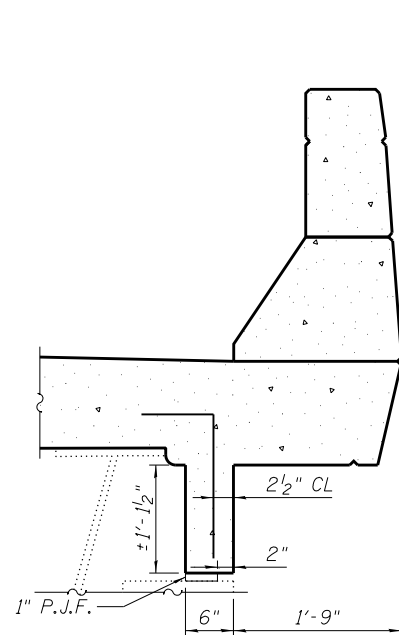


Notes:
Sand backfill shall be placed within the vaulted abutment according to section 586 of the Standard Specifications.

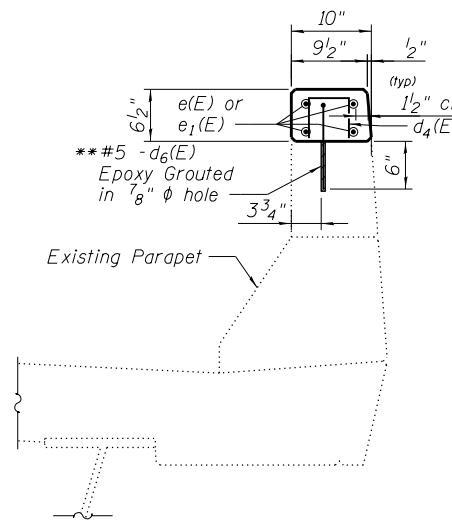
**Bars shall be field drilled and epoxy grouted into existing concrete in accordance with recommendations of the epoxy grout manufacturer and the Standard Specifications, Section 584. Cost included in "Reinforcement Bars, Epoxy Coated".



VIEW F-F



SECTION G-G



SECTION H-H

THOUVENOT, WADE & MOERCHEN, INC.
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| | | |
|---------------------------------|----------------|----------|
| USER NAME = trygon | DESIGNED - xxx | REVISION |
| PLOT SCALE = 0:2.0000 '1' / 11" | CHECKED - ALN | REVISION |
| PLOT DATE = 8/2/2016 | DRAWN - MLS | REVISION |
| | CHECKED - ALN | REVISION |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

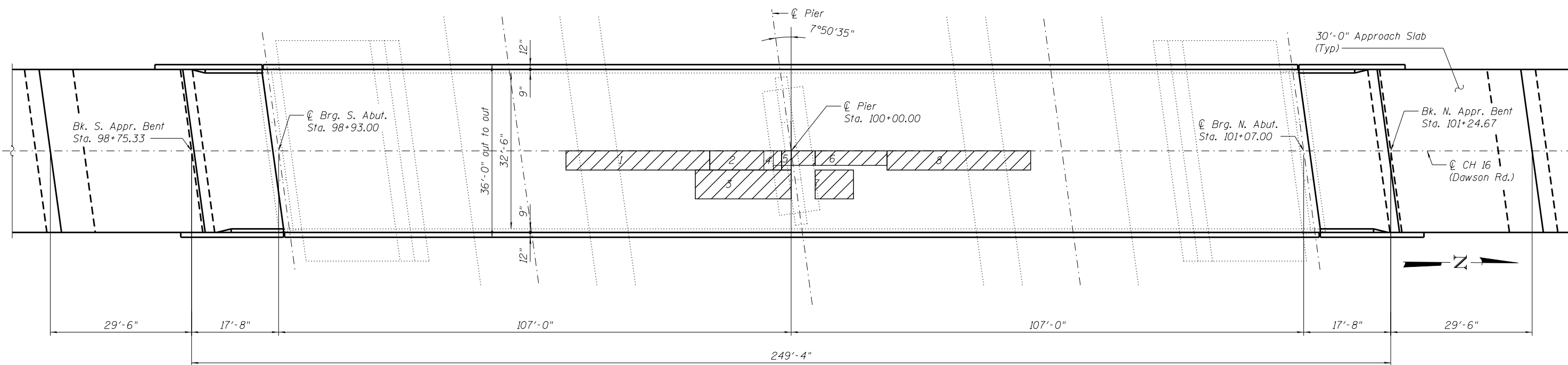
PARAPET EXTENSION DETAILS
STRUCTURE NO. 084-0155

SHEET NO. 5 OF 14 SHEETS

| | | | | |
|------------------------------|---------|----------|--------------------|-----------|
| F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72 | | SANGAMON | 56 | 24 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

 Deck Slab Repair (Partial)

Deck Survey Date: January 2016



PLAN

BILL OF MATERIAL

| LOCATION | SIZE (Ft. X Ft.) | UNITS | |
|----------------------------|------------------|---------|------|
| 1 | 30 X 4 | Sq. Yd. | 13.3 |
| 2 | 15 X 4 | Sq. Yd. | 6.7 |
| 3 | 20 X 6 | Sq. Yd. | 13.3 |
| 4 | 2 X 4 | Sq. Yd. | 0.9 |
| 5 | 5 X 3 | Sq. Yd. | 1.7 |
| 6 | 15 X 3 | Sq. Yd. | 5.0 |
| 7 | 8 X 6 | Sq. Yd. | 5.3 |
| 8 | 30 X 4 | Sq. Yd. | 13.3 |
| Deck Slab Repair (Partial) | | Sq. Yd. | 59.5 |
| Protective Shield | | Sq. Yd. | 224 |

Note:
See sheet 1 of 14 for limits of Protective Shield.

Deck repairs are estimated. Actual locations shall be shown by the Engineer in the as-built plans.

FILE NAME = F:\100662\0awson Rd. over. I-72\4 CAD - DWG\4.4 CAD - DWG\4.4 Struct\0840155-72H97-06-Deck Slab Repair.dgn

**THOUVENOT,
WADE &
MOERCHEN, INC.**



USER NAME = tryan
PLOT SCALE = 0:2.0000 '1' / 11"
PLOT DATE = 8/2/2016

DESIGNED - MLS
CHECKED - ALN
DRAWN - MLS
CHECKED - ALN
REVISED
REVISED
REVISED
REVISED

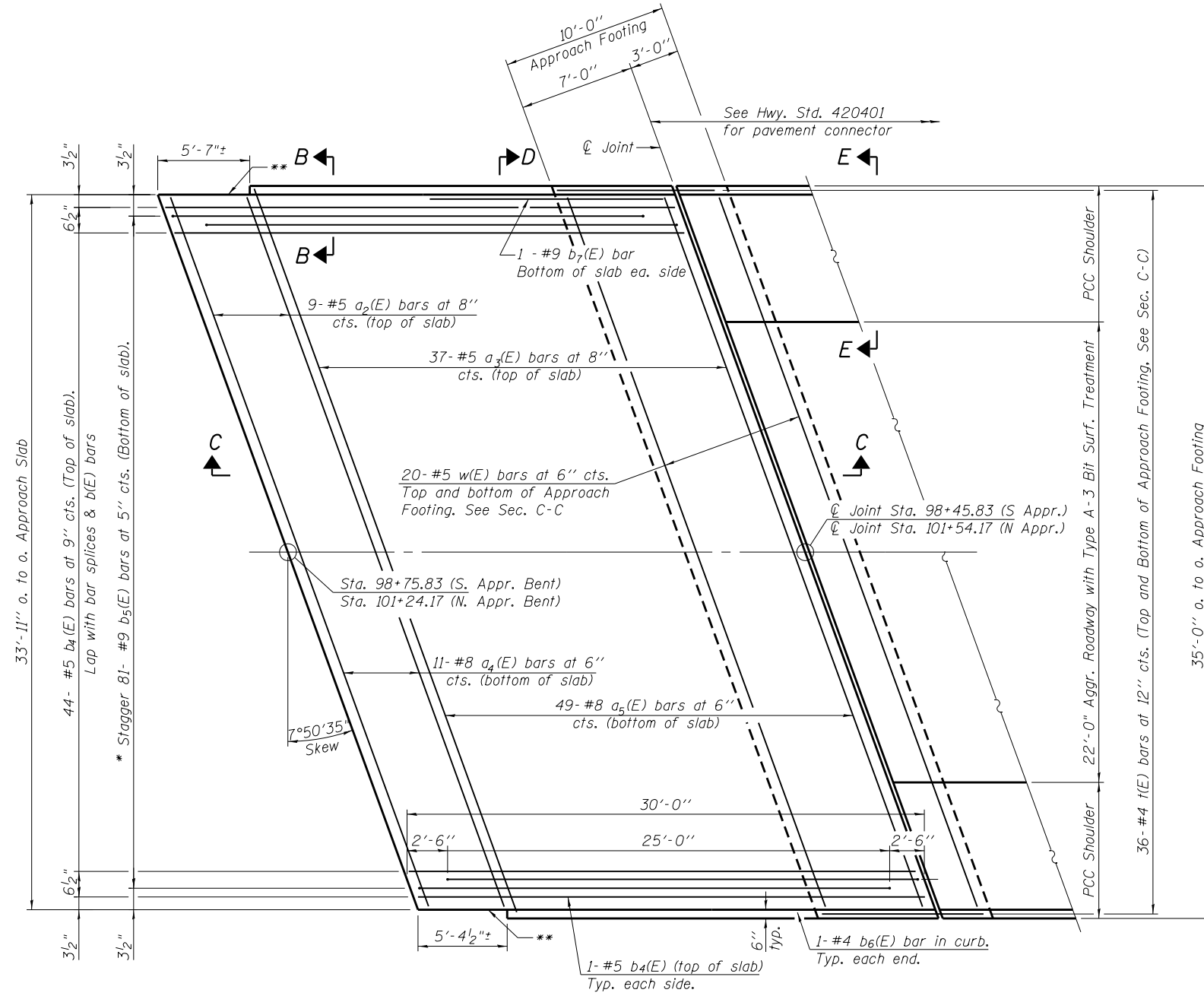
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIR
STRUCTURE NO. 084-0155**

SHEET NO. 6 OF 14 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|----------|--------------------|-----------|
| 72 | • | SANGAMON | 56 | 25 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

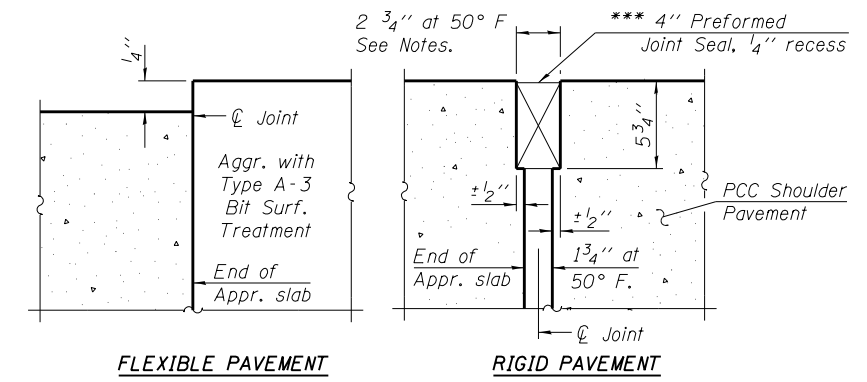
Notes:
See sheet 8 of 14 for Sections C-C & D-D.
 $a_2(E)$, $a_3(E)$, $a_4(E)$ and $a_5(E)$ bar spacings measured along \varnothing Rdwy.



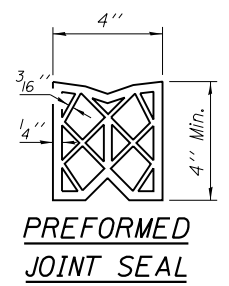
PLAN

North Approach Slab Shown, South Approach Similar upon Rotation.

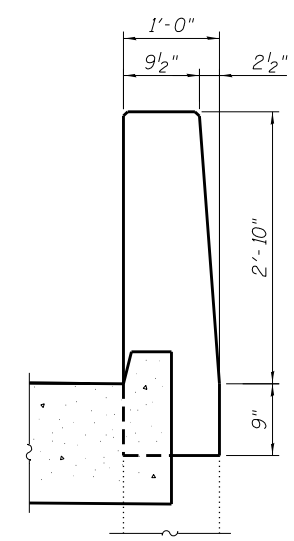
- *Tilt #9 $b_5(E)$ bars as required to maintain clearance.
- ** $\frac{1}{2}$ " Closed cell joint filler according to Article 1051.09 of the Std. Specifications; full depth of slab, full length of wing wall. Typ. each wing wall. Cost included in Concrete Superstructure (Approach Slab)
- *** Cost included with Concrete Superstructure (Approach Slab).



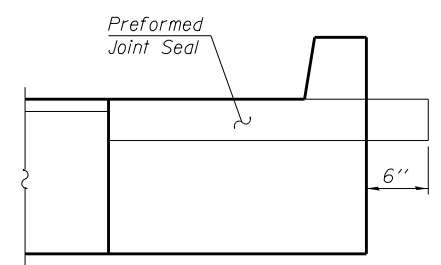
DETAIL A



PREFORMED JOINT SEAL



VIEW B-B



VIEW E-E

FILE NAME = F:\100662\0505en Rd over I-72\4 CAD - DWG\4.4 Struc\0840155-72H97-07-Bridge Approach Slab Details.dgn

THOUVENOT, WADE & MOERCHEN, INC.
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| | | |
|---------------------------------|----------------|---------|
| USER NAME = tryan | DESIGNED - xxx | REVISED |
| PLOT SCALE = 0:2.0000 '1' / 11" | CHECKED - ALN | REVISED |
| PLOT DATE = 8/3/2016 | DRAWN - MLS | REVISED |
| | CHECKED - ALN | REVISED |

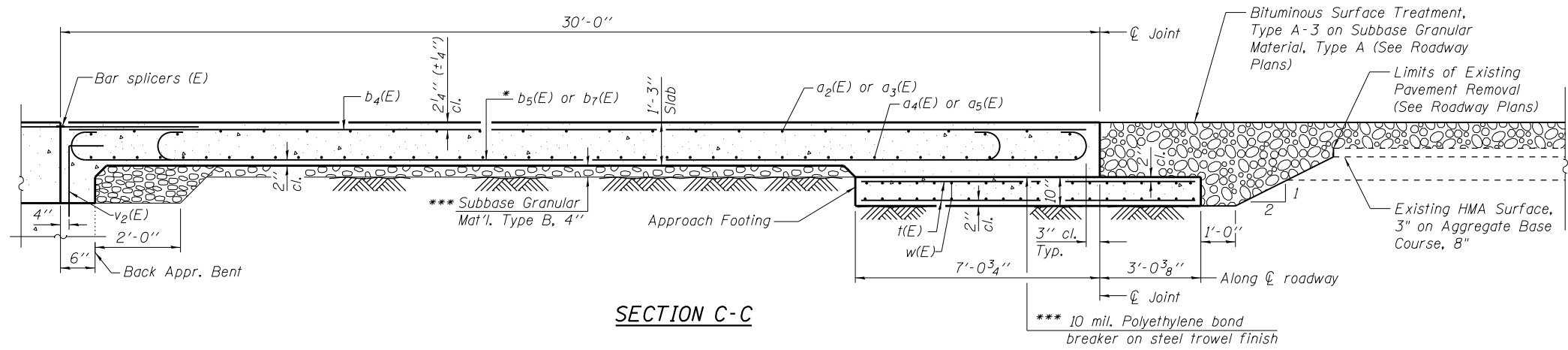
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 084-0155**

SHEET NO. 7 OF 14 SHEETS

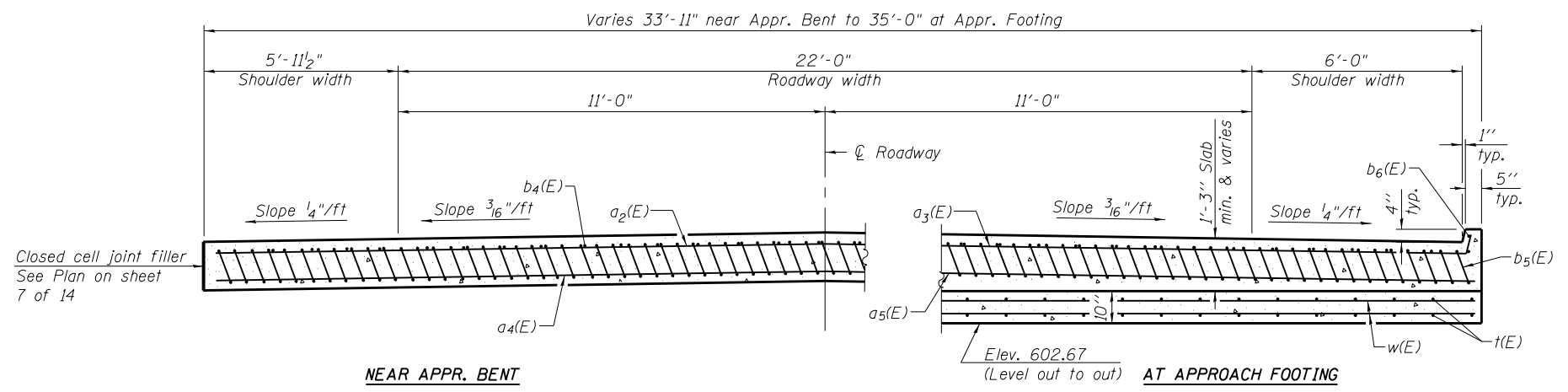
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72 | | SANGAMON | 56 | 26 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

(Sheet 1 of 2)



Notes:
 See sheet 7 of 14 for Detail A and View B-B.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For $v_2(E)$ bar details, see sheet 4 of 14.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 For bar splicer details, see sheet 14 of 14.
 Cost of excavation for approach footing included with Concrete Structures.

SECTION C-C



NEAR APPR. BENT

SECTION D-D

(See Plan for dimensions not shown)

AT APPROACH FOOTING

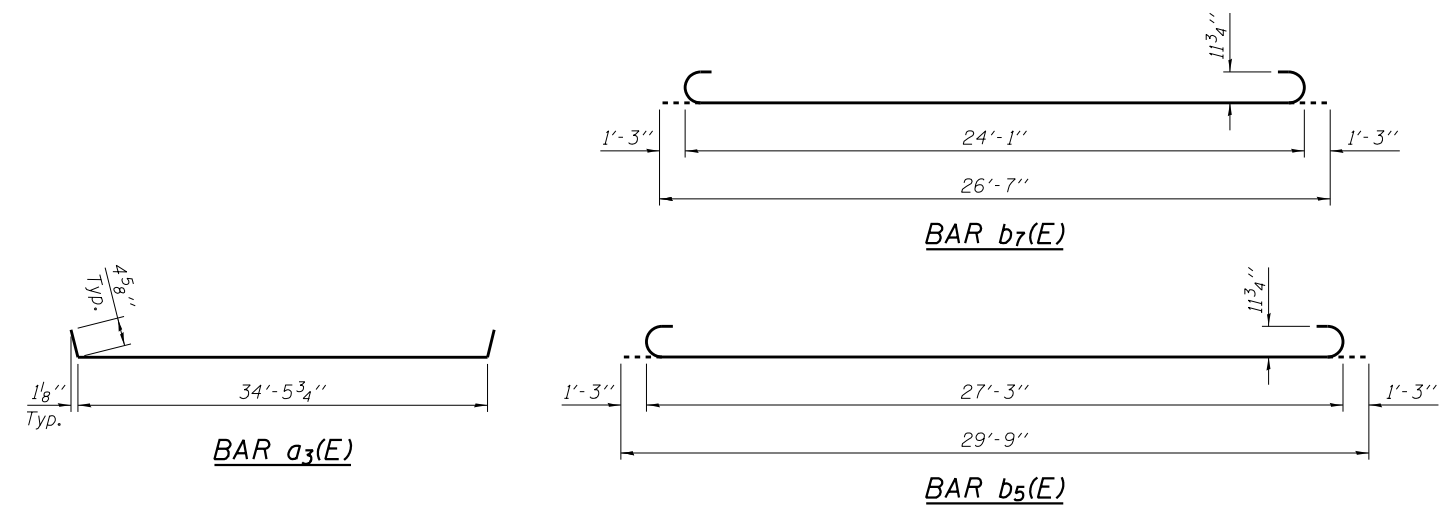
* Tilt #9 $b_1(E)$ bars as required to maintain clearance.

*** Cost included with Concrete Superstructure (Approach Slab).

**TWO APPROACHES
 BILL OF MATERIAL**

| Bar | No. | Size | Length | Shape |
|---|-----|---------|---------|-------|
| $a_2(E)$ | 18 | #5 | 33'-11" | — |
| $a_3(E)$ | 74 | #5 | 35'-3" | — |
| $a_4(E)$ | 22 | #8 | 33'-11" | — |
| $a_5(E)$ | 98 | #8 | 35'-0" | — |
| $b_4(E)$ | 92 | #5 | 29'-8" | — |
| $b_5(E)$ | 162 | #9 | 29'-9" | — |
| $b_6(E)$ | 4 | #4 | 24'-1" | — |
| $b_7(E)$ | 4 | #9 | 26'-7" | — |
| $t(E)$ | 144 | #4 | 9'-9" | — |
| $w(E)$ | 80 | #5 | 35'-0" | — |
| Concrete Superstructure (Approach Slab) | | Cu. Yd. | 104.9 | |
| Concrete Structures | | Cu. Yd. | 21.8 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 38,030 | |

Quantity for $t(E)$ and $w(E)$ bars (3860 lbs.) is billed with substructure in the Total Bill of Material



(Sheet 2 of 2)

FILE NAME = F:\100662\0505en Rd over-1-72\4 CAD - DWG\4.4 Struc\0840155-72H97-08-Bridge Approach Slab Detail.dgn

THOUVENOT, WADE & MOERCHEN, INC.

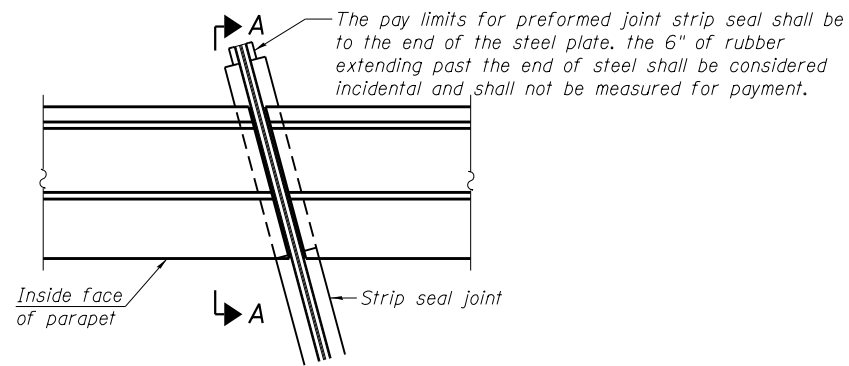
 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES

| | | |
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| USER NAME = tryan | DESIGNED - xxx | REVIS |
| PLOT SCALE = 0:2.0000 '1' / 11" | CHECKED - ALN | REVIS |
| PLOT DATE = 8/3/2016 | DRAWN - MLS | REVIS |
| | CHECKED - ALN | REVIS |

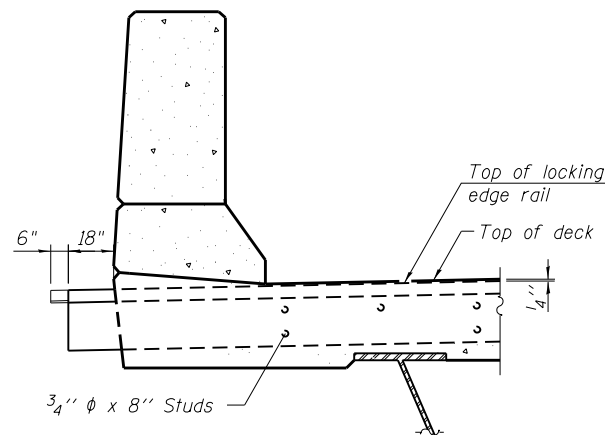
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 084-0155**
 SHEET NO. 8 OF 14 SHEETS

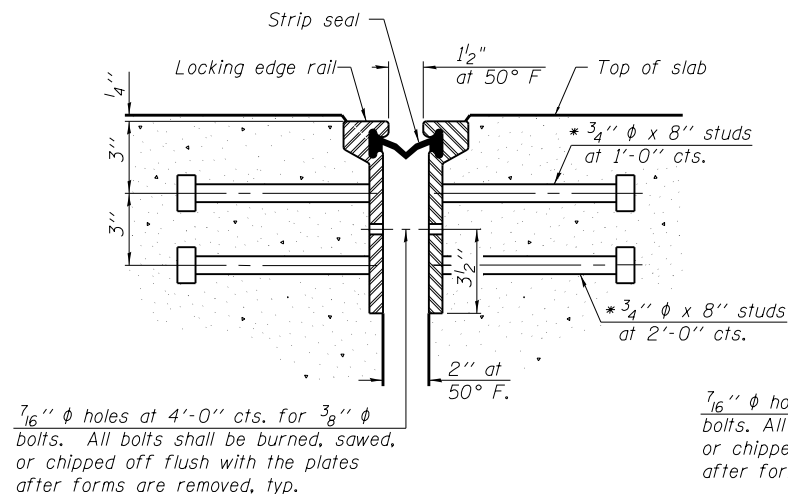
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|---------------------------|---------|------------------------------|--------------------|--------------|
| F.A.I. RTE. 72 | SECTION | COUNTY SANGAMON | TOTAL SHEETS 56 | SHEET NO. 27 |
| | | •(84-10-2) BDGE RAISING 2016 | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |



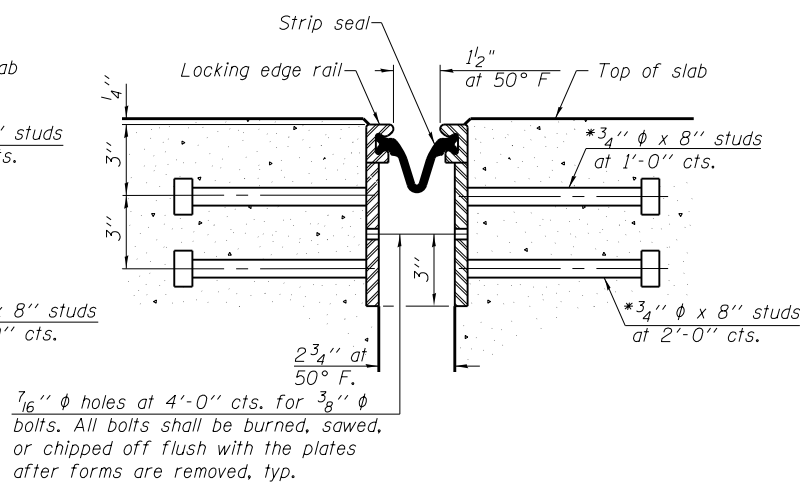
PLAN
(For skews $\leq 30^\circ$)



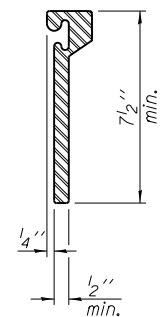
SECTION A-A



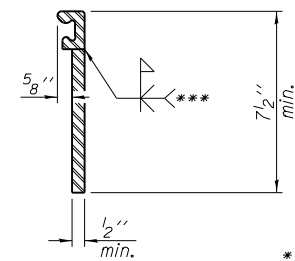
**SECTION THRU
ROLLED RAIL JOINT**



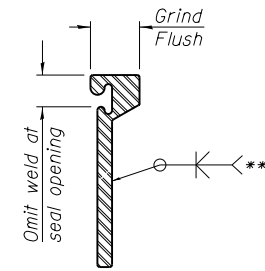
**SECTION THRU
WELDED RAIL JOINT**



**ROLLED
EXTRUDED RAIL**



WELDED RAIL



**LOCKING EDGE
RAIL SPLICE**

*** Back gouge not required if complete joint penetration is verified by mock-up.

The inside of the locking edge rail groove shall be free of weld residue.
Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

BILL OF MATERIAL

| Item | Unit | Total |
|----------------------------|------|-------|
| Preformed Joint Strip Seal | Foot | 79 |

FILE NAME = F:\100662\0505en Rd over I-72\4 CAD - DWG\4.4 Struc\0840155-72H97-05-Expansion Joint Details.dwg

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PLOT DATE = 8/2/2016

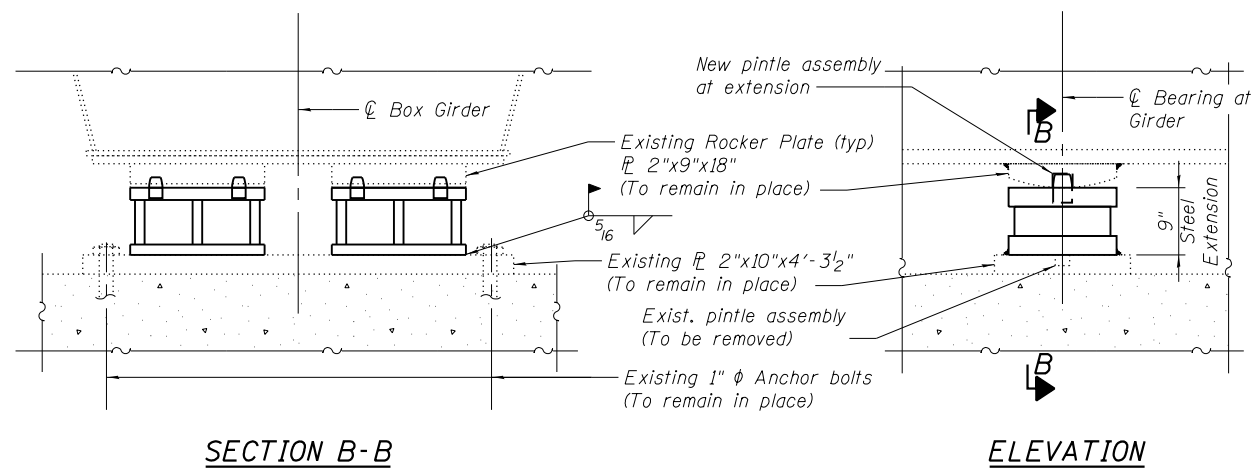
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REVISED
REVISED
REVISED
REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

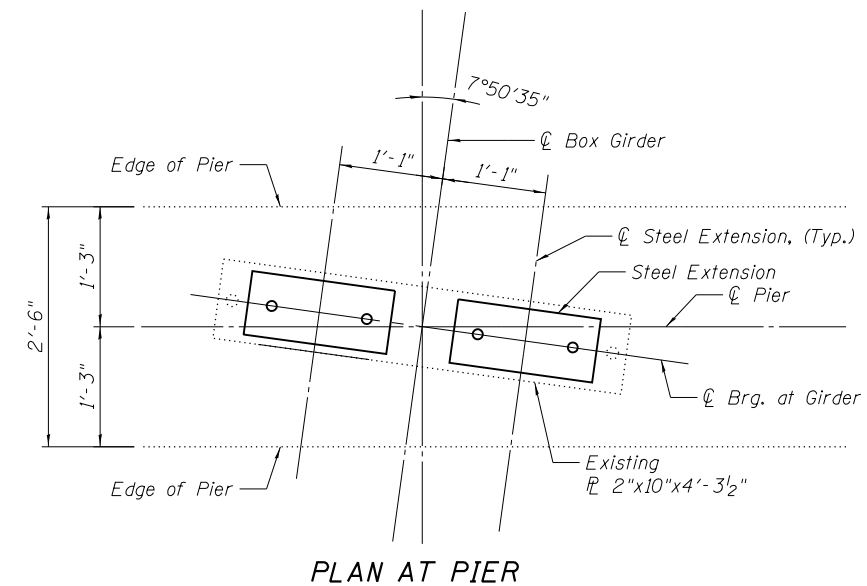
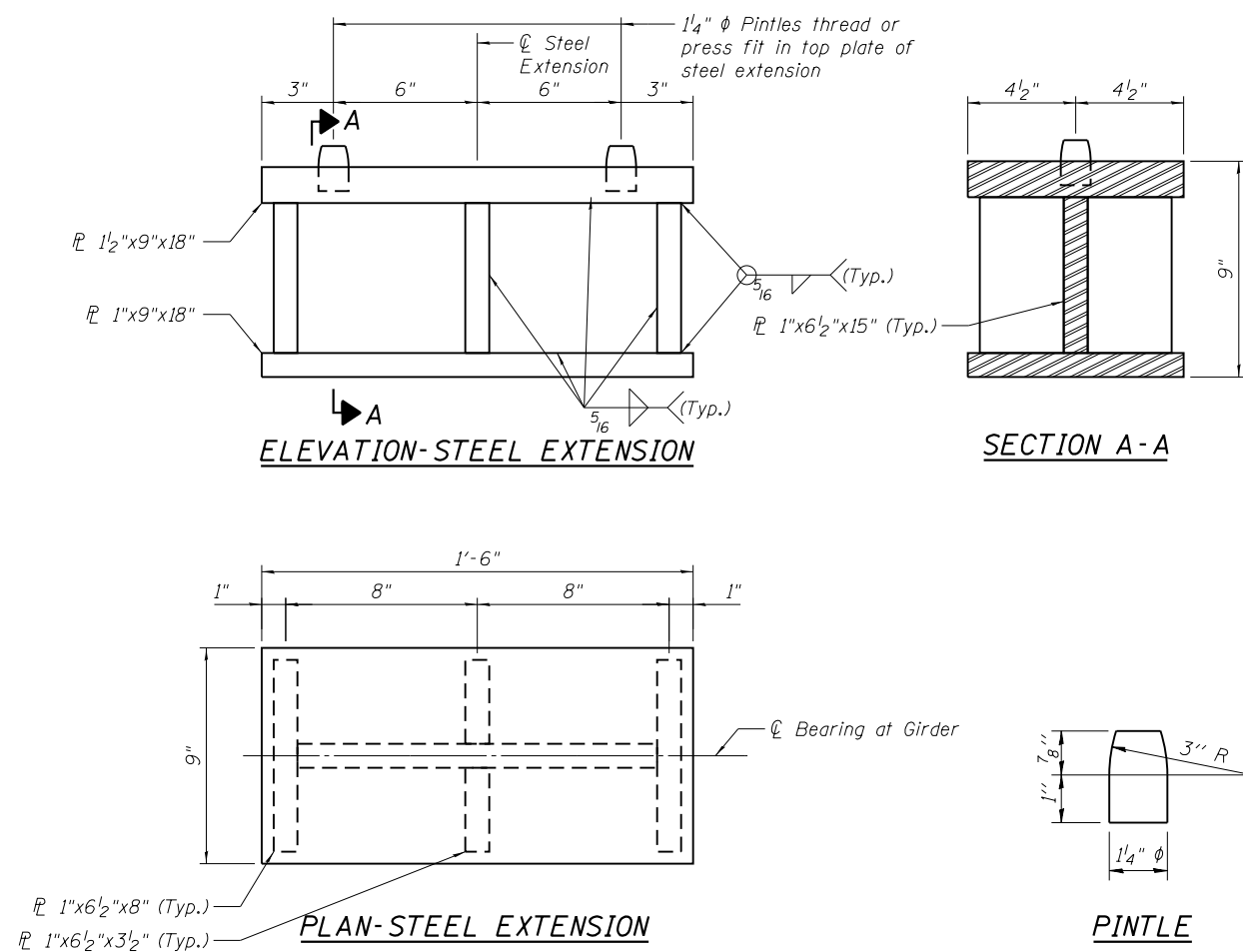
**EXPANSION JOINT DETAILS
STRUCTURE NO. 084-0155**

SHEET NO. 9 OF 14 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|----------|--------------------|-----------|
| 72 | | SANGAMON | 56 | 28 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |



STEEL EXTENSION AT PIER



Notes:
 New steel extensions, shim plates and pintles are included in "Furnishing and Erecting Structural Steel".
 Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

FILE NAME = F:\100662\084-0155-72H97-10-Bearing Details.dgn

THOUVENOT, WADE & MOERCHEN, INC.
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| | | |
|--------------------------------|----------------|-----------|
| USER NAME = tryan | DESIGNED - ALN | REVISED - |
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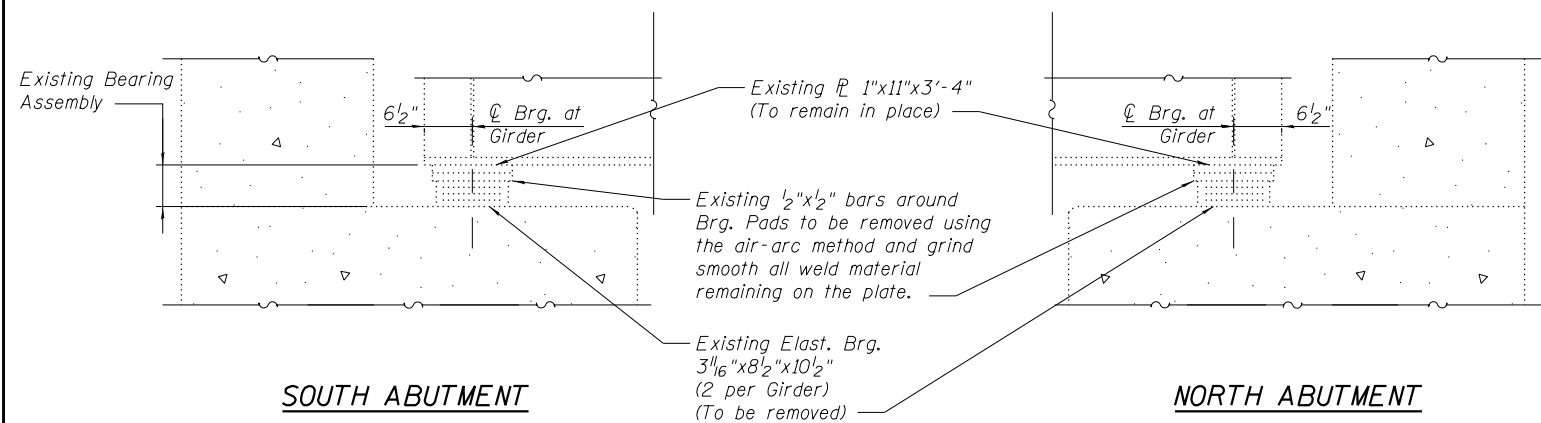
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIER BEARING DETAILS
 STRUCTURE NO. 084-0155**

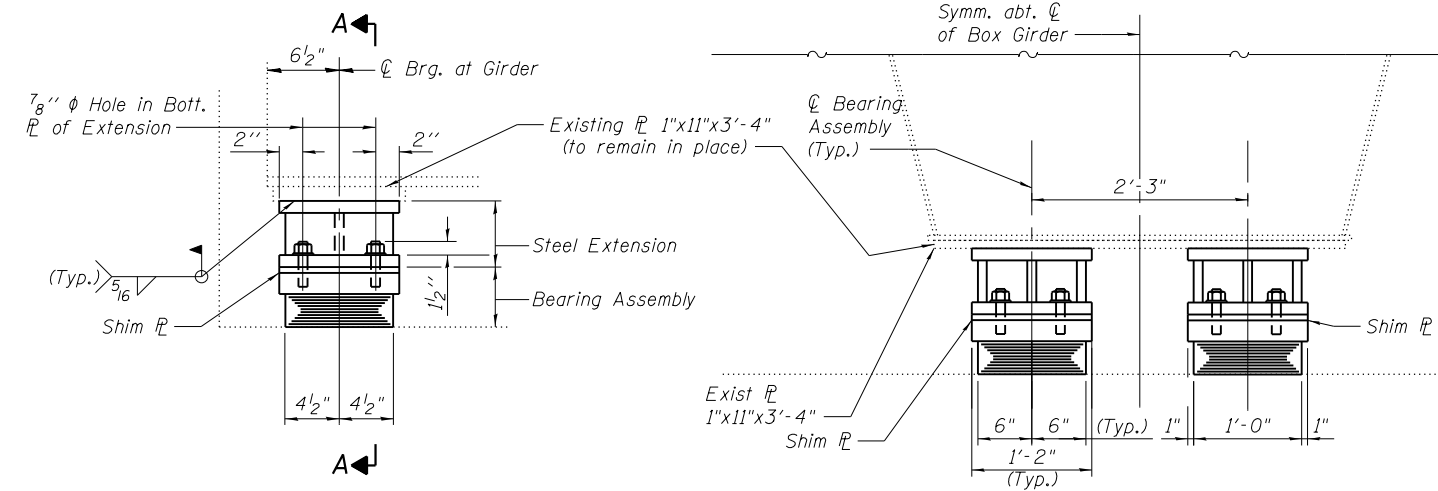
SHEET NO. 10 OF 14 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|----------|--------------------|-----------|
| 72 | | SANGAMON | 56 | 29 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

FILE NAME = P:\100662\0ansen Rd. over. 1-72\4 CAD0 - DWG\4.4 Struct\0840155-72H97-11-Bearing Details.dgn



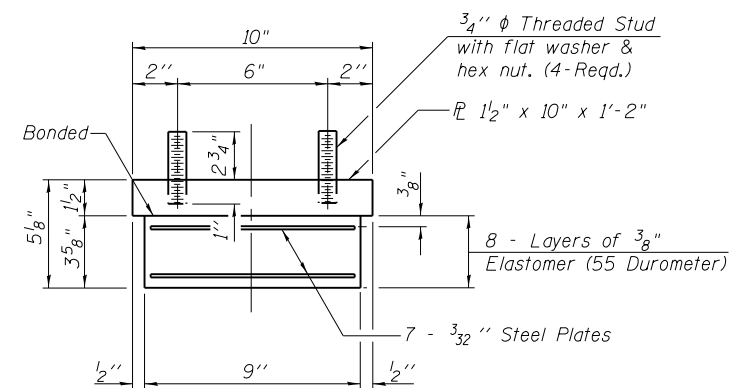
EXISTING BEARING REMOVAL DETAIL



ELEVATION AT ABUT.

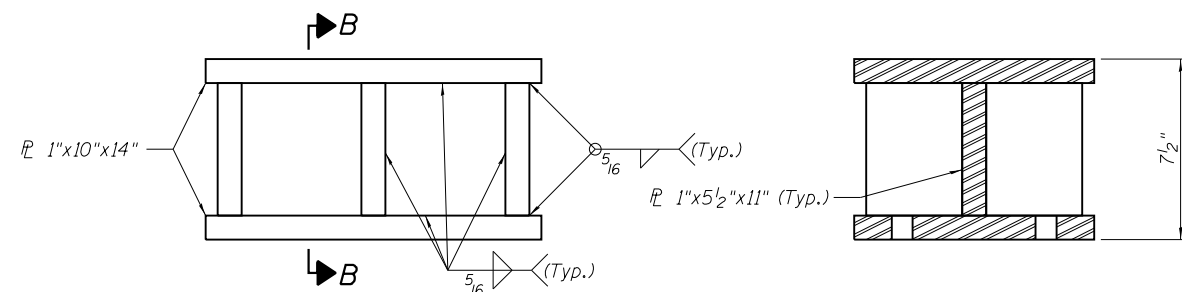
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



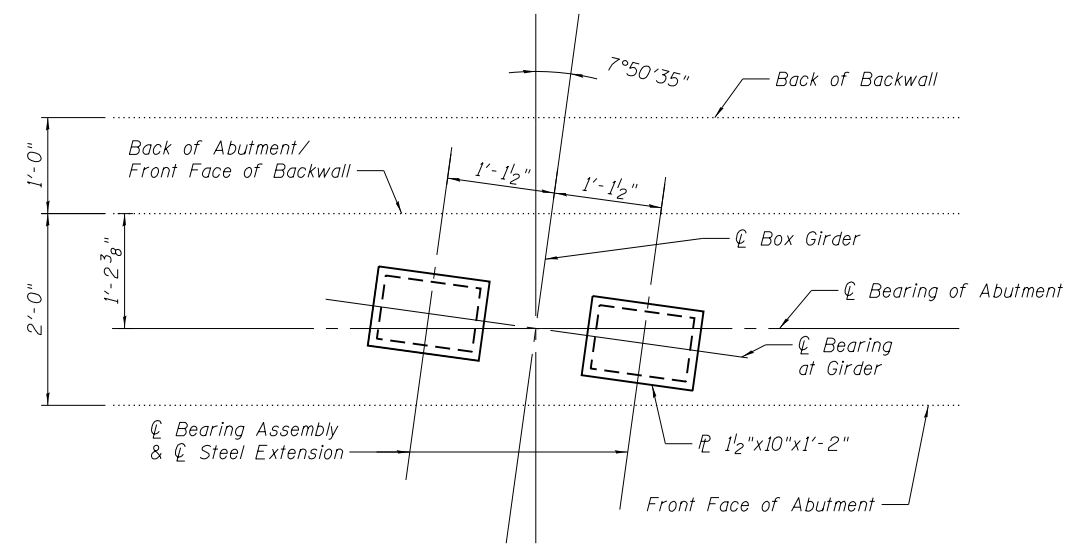
BEARING ASSEMBLY

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

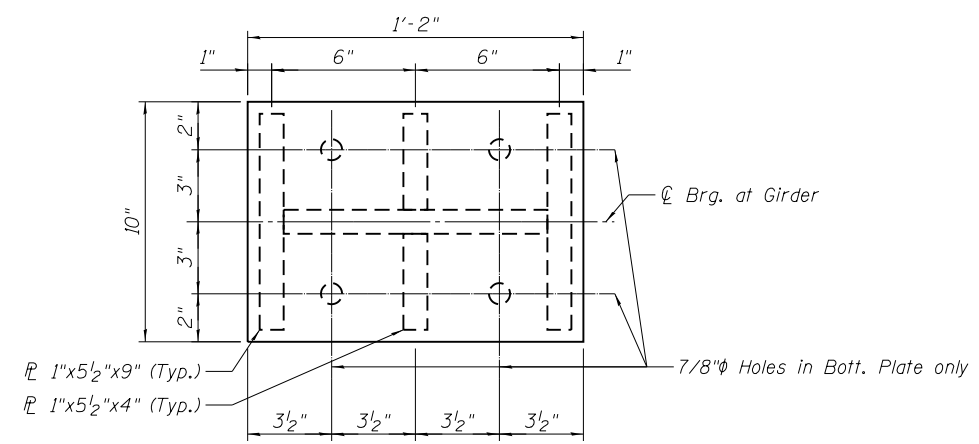


ELEVATION-STEEL EXTENSION

SECTION B-B



PLAN AT ABUTMENT



PLAN-STEEL EXTENSION

ABUTMENT

BILL OF MATERIAL

| | | |
|--|-------|-------|
| Elastomeric Bearing Assembly Type I | Each | 12 |
| Furnishing and Erecting Structural Steel | Pound | 2,760 |
| Removal of Exist. Brgs | Each | 12 |

Notes:
New steel extensions, shim plates and pintiles are included in "Furnishing and Erecting Structural Steel".
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

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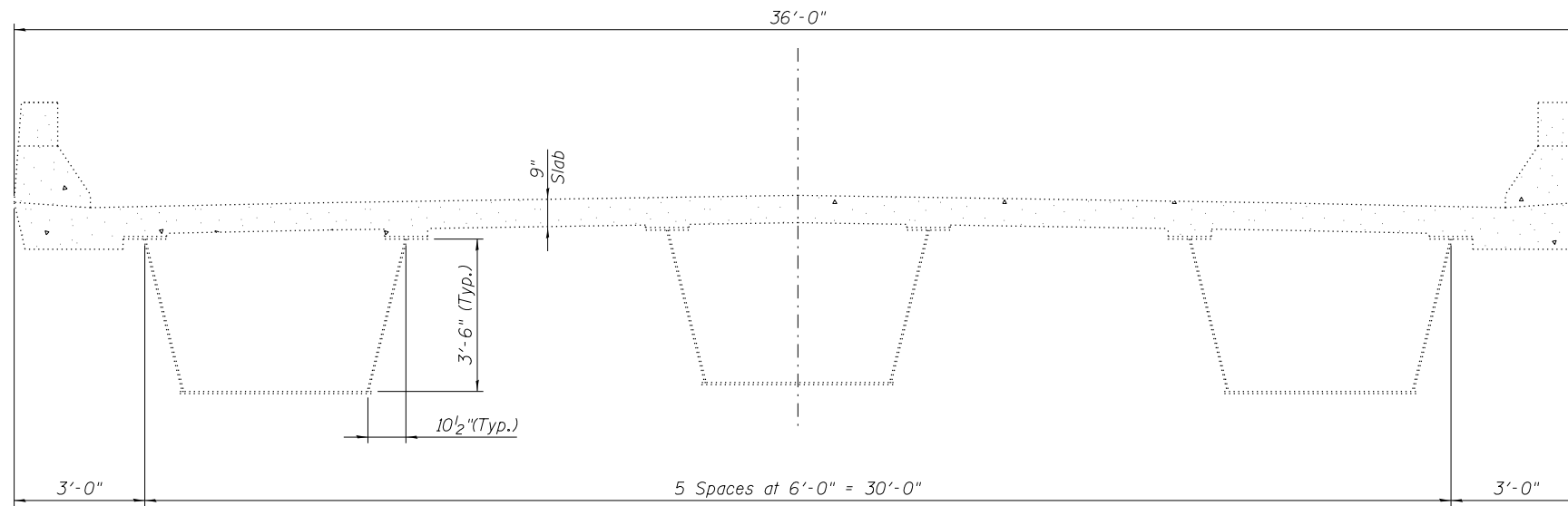
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| PLOT DATE = 8/3/2016 | DRAWN - MLS | REVISED - |
| | CHECKED - ALN | REVISED - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**ABUTMENT BEARING DETAILS
STRUCTURE NO. 084-0155**

SHEET NO. 11 OF 14 SHEETS

| | | | | |
|------------------------------|---------|-----------------|--------------------|--------------|
| F.A.I. RTE. 72 | SECTION | COUNTY SANGAMON | TOTAL SHEETS 56 | SHEET NO. 30 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |



EXISTING DECK CROSS SECTION

JACKING EXISTING SUPERSTRUCTURE NOTES:

1. CH 16 (Dawson Rd.) will be closed to traffic during construction. See Special Provisions for Traffic Control on I-72. Cribbing and falsework shall be designed to carry 150% of the Dead Load. Jack capacities shall be based on maximum expected load present during lifting, derived from reactions shown in the Box Girder Reaction Table. See Special Provisions for "Jacking Existing Superstructure".
2. Falsework shall be capable of carrying all expected vertical and horizontal forces included in Chapter 3 of the 2014 AASHTO LRFD Bridge Design Specifications, 7th Ed., with 2015 Interims.
3. New bearings and steel extensions shall be in place and jacks lowered before pouring new vaulted abutment slab or approach slab. Lower all girders simultaneously in 1/4" increments.
4. If work inside box girder is necessary, all OSHA requirements for confined space shall be followed.
5. If blocking or stiffeners are added to the inside of the box girders to complete the jacking operation, they shall be removed by the Contractor after completion of the work. Any holes in the girders shall be properly plugged. If allowed by the Engineer, steel stiffeners may be left in place; however, they must be painted to prevent corrosion.

| *BOX GIRDER REACTION TABLE | | | |
|----------------------------|-----|-------|-------|
| | | Abut. | Pier |
| $R_{\bar{p}}$ | (k) | 55.4 | 210.1 |
| $R_{s\bar{p}}$ | (k) | 33.0 | 109.5 |
| $R_{\bar{t}}$ | (k) | 43.1 | 74.7 |
| $R_{\bar{r}}$ | (k) | 9.3 | 16.1 |
| R_{Total} | (k) | 140.8 | 410.4 |

Min. total capacity of jacks = 67 Tons per Box Girder at Abutment.
 Min. total capacity of jacks = 240 Tons per Box Girder at Piers.

*Unfactored

FILE NAME = F:\100662\084-0155-72H97-12-Jacking and Cribbing Details.dgn

**THOUVENOT,
WADE &
MOERCHEN, INC.**



USER NAME = tryan
 PLOT SCALE = 0:2.0000 '1' / 1" / 1" / 1"
 PLOT DATE = 8/2/2016

DESIGNED - MLS
 CHECKED - ALN
 DRAWN - MLS
 CHECKED - ALN

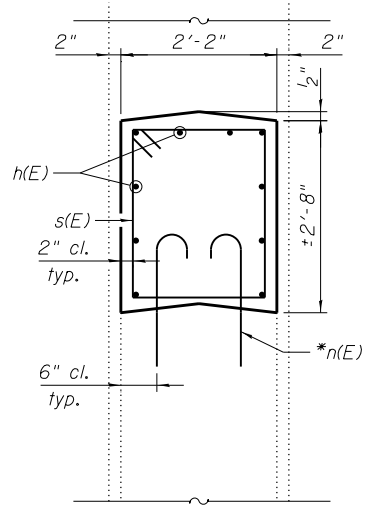
REVISED _____
 REVISED _____
 REVISED _____
 REVISED _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JACKING AND CRIBBING DETAILS
STRUCTURE NO. 084-0155**

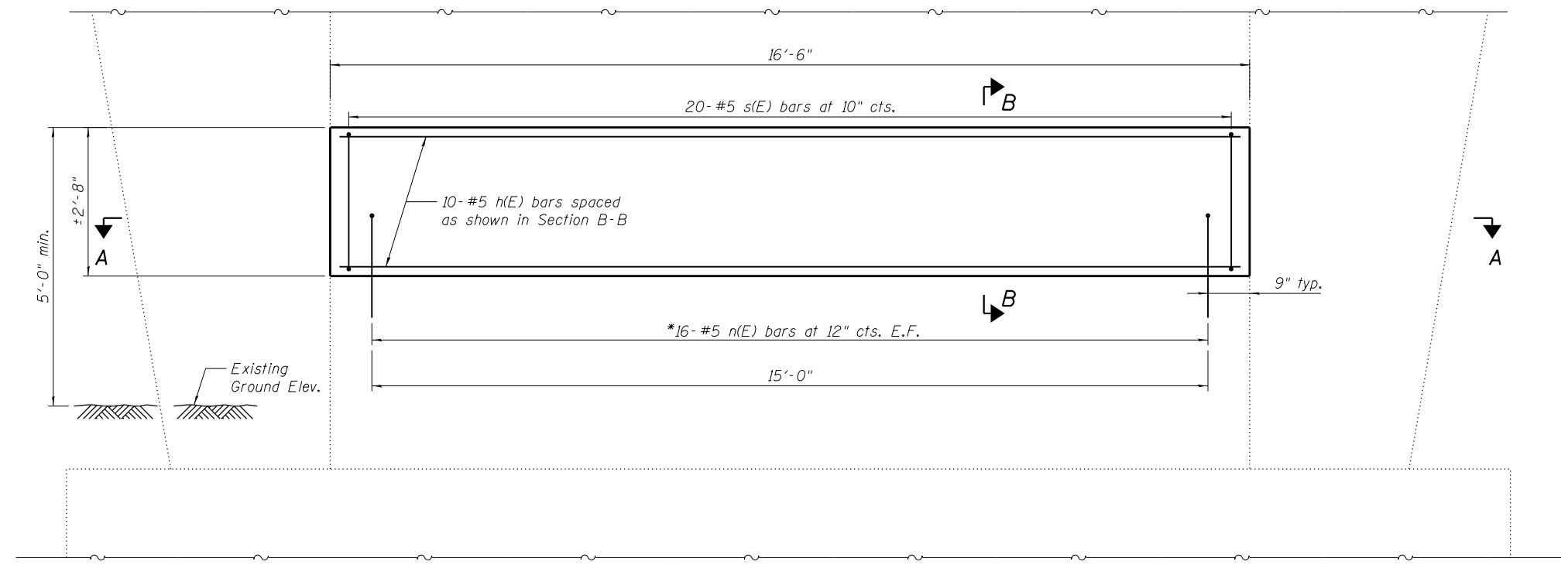
SHEET NO. 12 OF 14 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|----------|--------------------|-----------|
| 72 | • | SANGAMON | 56 | 31 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |



SECTION B-B

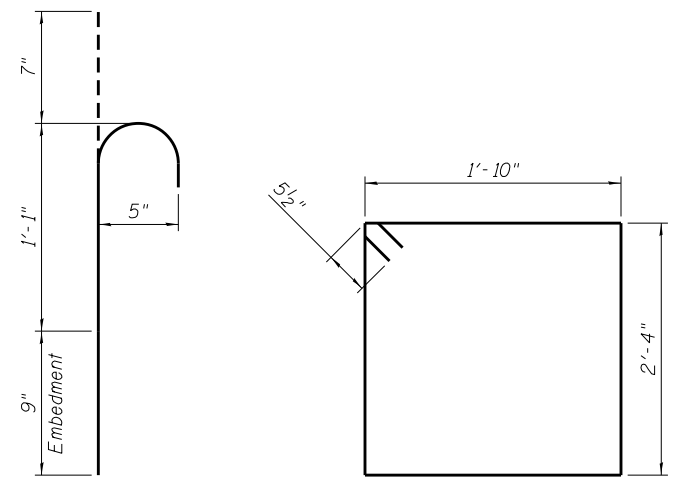
* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications. Cost shall be included with Reinforcement Bars. Epoxy Coated



PIER ELEVATION



SECTION A-A



BAR n(E)

BAR s(E)

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|---------|-------|
| h(E) | 10 | #5 | 16'-2" | — |
| n(E) | 32 | #5 | 2'-5" | └ |
| s(E) | 20 | #5 | 9'-3" | □ |
| Concrete Structures | | | Cu. Yd. | 3.5 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 440 |

FILE NAME = F:\100662\Drawn Rd over I-72\4 CAD00 - DWG\4.4 Struc\0840155-72H97-13\Pier_Crashwall_Modifications.dgn

THOUVENOT, WADE & MOERCHEN, INC.

 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES

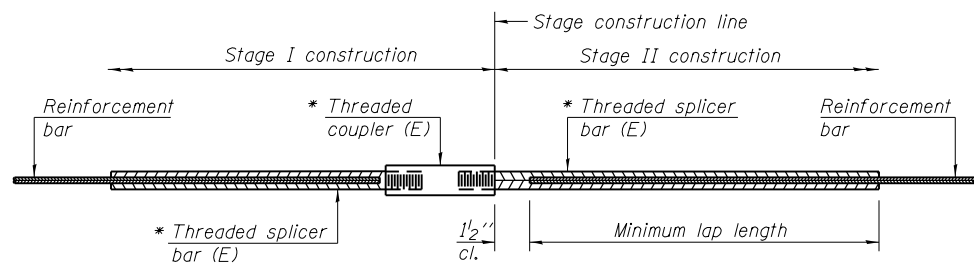
| | | |
|---------------------------------|----------------|-----------|
| USER NAME = tryan | DESIGNED - TJR | REVISED — |
| PLOT SCALE = 0:2.0000 '1' / 11" | CHECKED - ALN | REVISED — |
| PLOT DATE = 8/2/2016 | DRAWN - TJR | REVISED — |
| | CHECKED - ALN | REVISED — |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER CRASHWALL MODIFICATIONS
STRUCTURE NO. 084-0155**

SHEET NO. 13 OF 14 SHEETS

| | | | | |
|------------------------------|---------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 72 | • | SANGAMON | 56 | 32 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

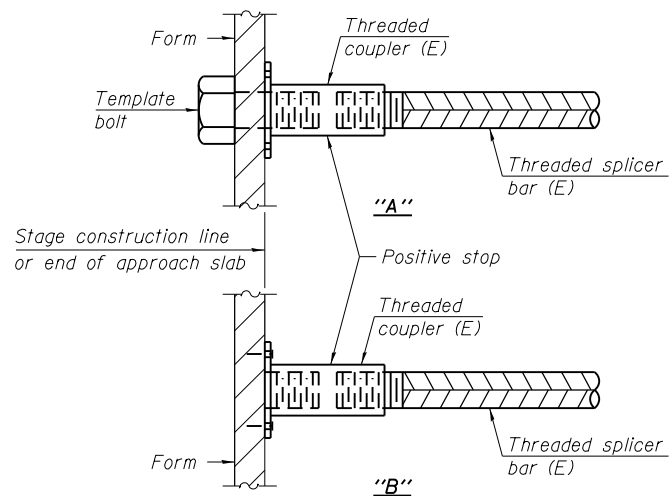


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Minimum lap length |
|--------------------|----------|-------------------------|--------------------|
| Vaulted Abut. Slab | #5 | 88 | 3'-0" |
| | | | |
| | | | |
| | | | |

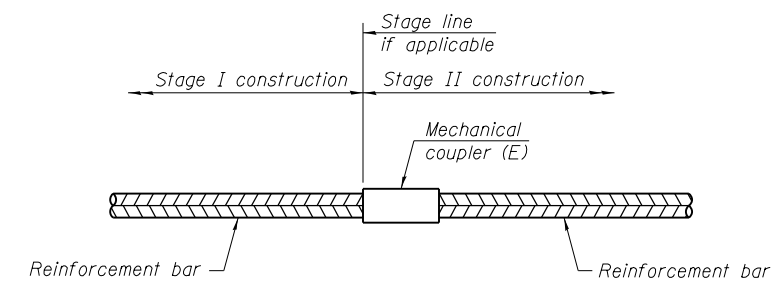


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

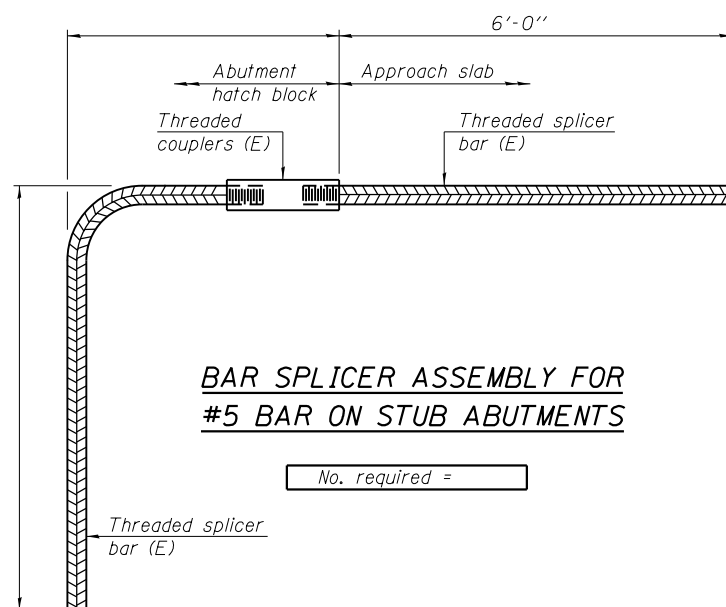
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|----------|----------|-------------------------|
| | | |
| | | |
| | | |



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME = F:\100662\0505en Rd over I-72\4 CAD - DWG\4.4 Struc\0840155-72H97-14-Bar Splicer- Detail.dgn

BSD-1

6-8-15

THOUVENOT, WADE & MOERCHEN, INC.
SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES



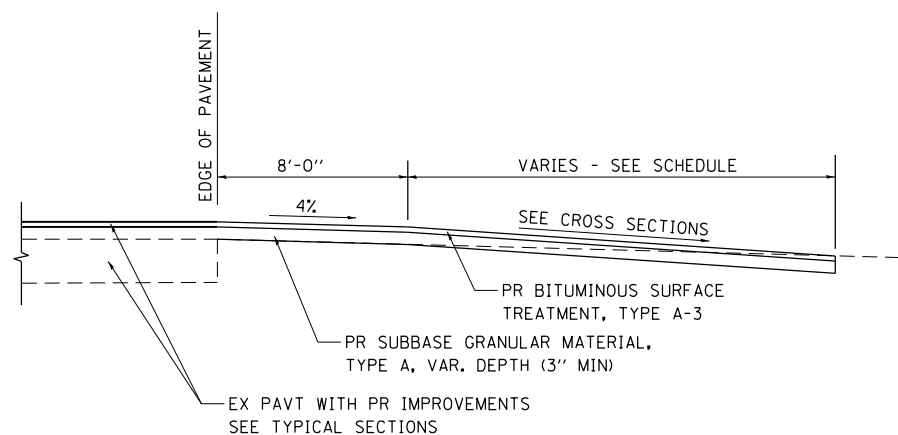
| | | |
|---------------------------------|-------------------|---------------|
| USER NAME = troyan | DESIGNED - T.J.R. | REVISED _____ |
| PLOT SCALE = 0:2.0000 '1' / 11" | CHECKED - ALN | REVISED _____ |
| PLOT DATE = 8/2/2016 | DRAWN - T.J.R. | REVISED _____ |
| | CHECKED - ALN | REVISED _____ |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

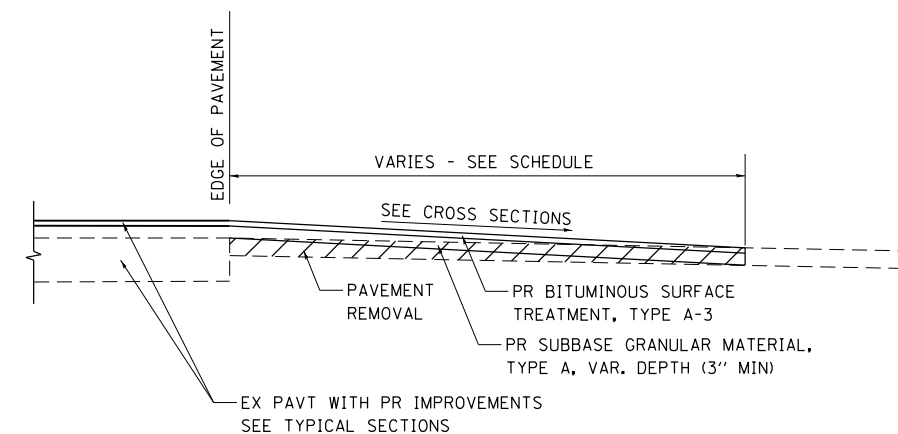
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 084-0155

SHEET NO. 14 OF 14 SHEETS

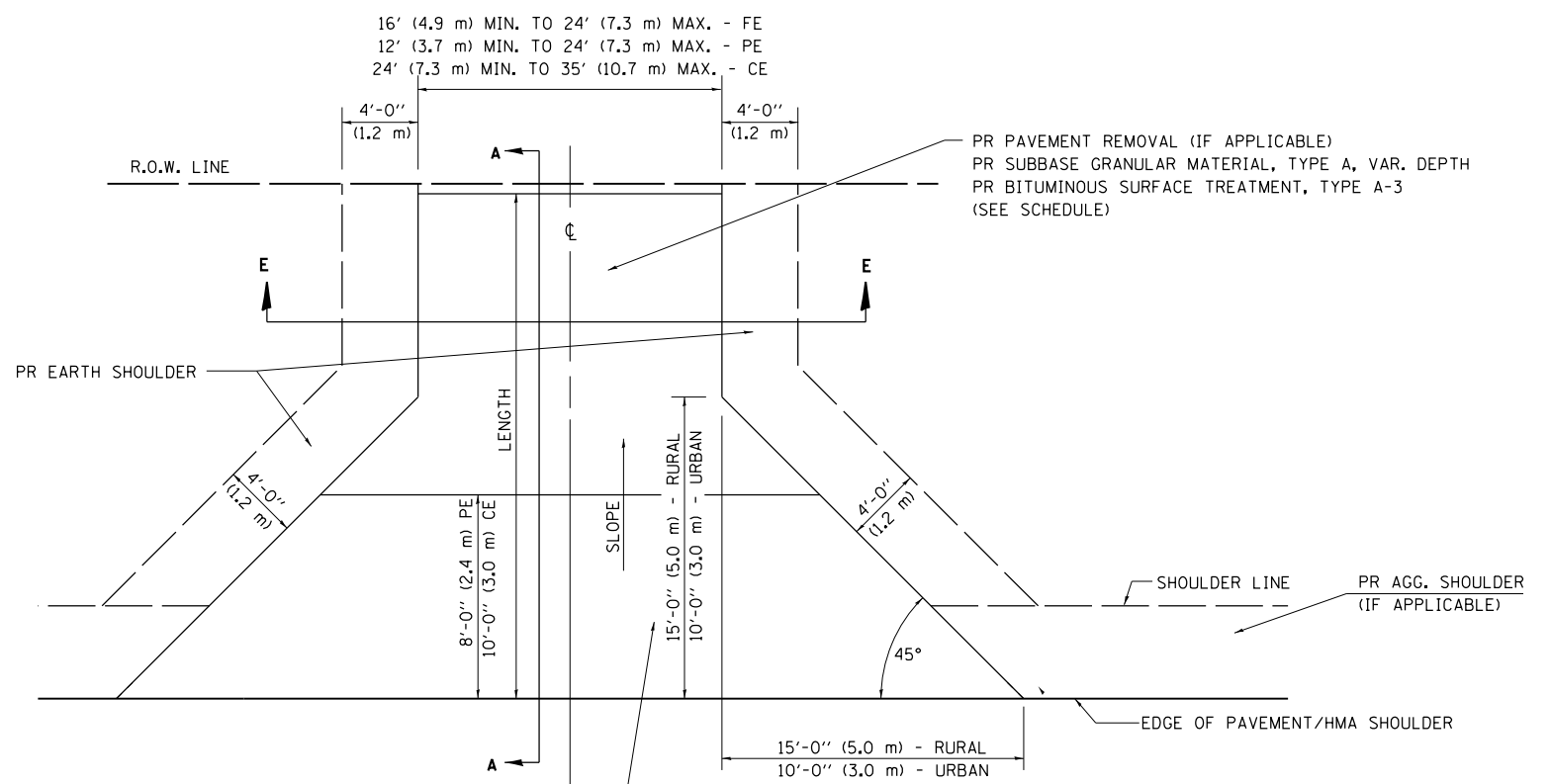
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|----------|--------------------|-----------|
| 72 | • | SANGAMON | 56 | 33 |
| •(84-10-2) BDGE RAISING 2016 | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |



SECTION A-A FOR EXISTING AGGREGATE FE & PE



SECTION A-A FOR EXISTING HMA PE



PR PAVEMENT REMOVAL (IF APPLICABLE)
 PR SUBBASE GRANULAR MATERIAL, TYPE A, VAR. DEPTH
 PR BITUMINOUS SURFACE TREATMENT, TYPE A-3
 (SEE SCHEDULE)

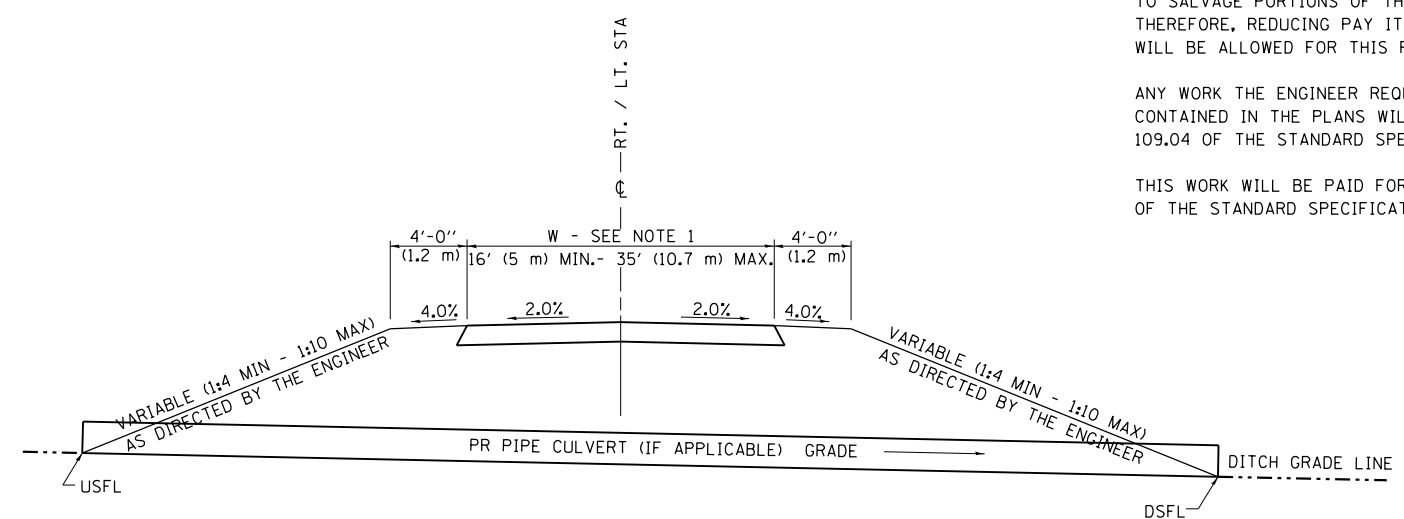
GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS.

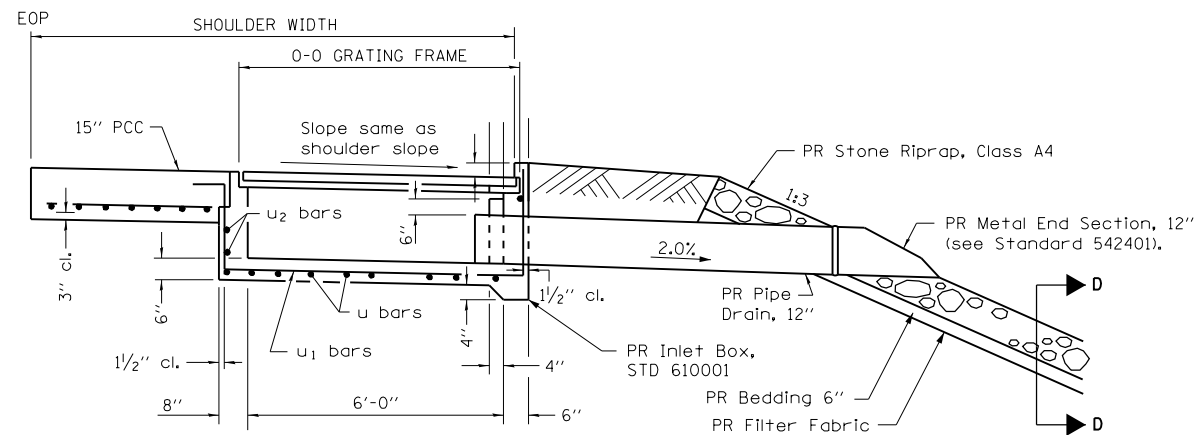


SECTION E - E ENTRANCE TYPICAL SECTION

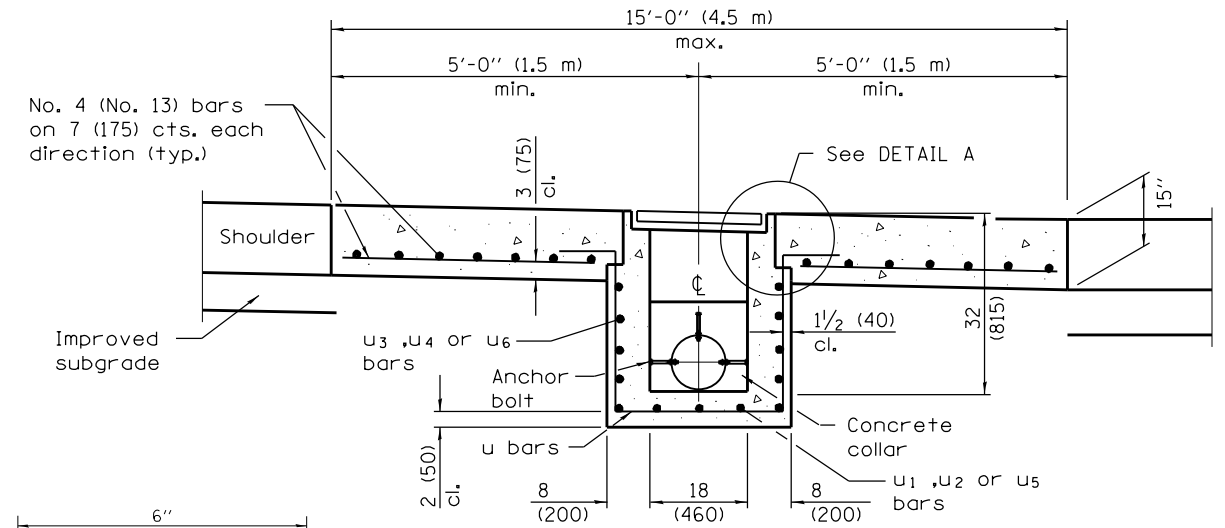
NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.

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

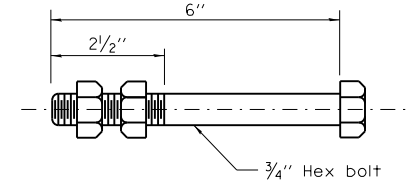
| | | | | | | | | | | | | | | | | | |
|--|-----------------------------|-----------------|-----------|---|--|--|-------------|---------|----------|--------|------|--------------------|------|---------------------------|--------|--------------|-----------|
| FILE NAME = D672H97-sht-dtl.ent.dgn | USER NAME = jstein | DESIGNED - JWS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MISCELLANEOUS DETAILS ENTRANCE DETAIL | | SCALE: NIMS | SHEET 1 | OF 1 | SHEETS | STA. | TO STA. | RT.: | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| Default | PLOT SCALE = 10.0000' / in. | DRAWN - EKS | REVISED - | | | | 72 | . | SANGAMON | 56 | 34 | CONTRACT NO. 72H97 | | | | | |
| | PLOT DATE = 8/3/2016 | CHECKED - SJK | REVISED - | | | | | | | | | | | ILLINOIS FED. AID PROJECT | | | |
| | | DATE - AUG 2016 | REVISED - | | (84-10-2) BDGE RAISING 2016 | | | | | | | | | | | | |



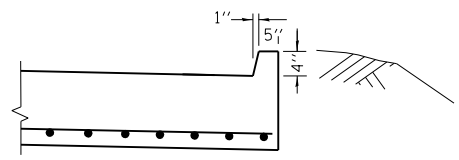
SECTION B-B



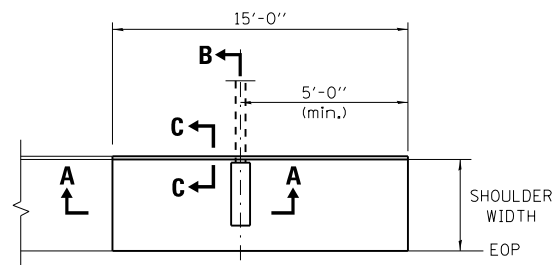
SEC. A-A



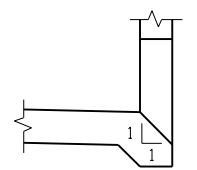
ANCHOR BOLT
(Used to tie pipe to concrete collar)



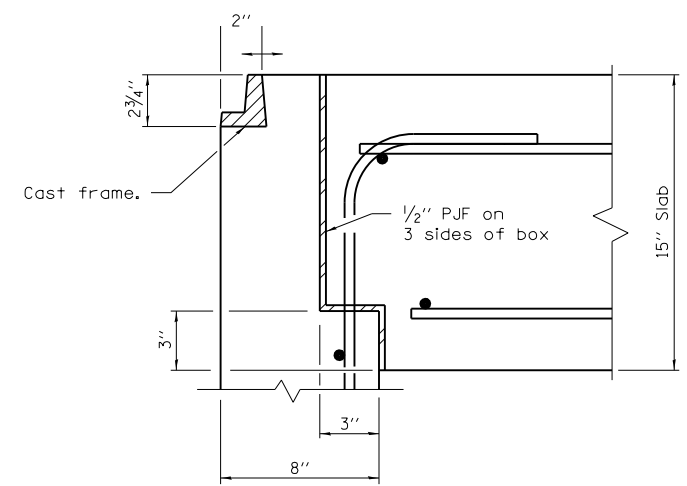
SECTION C-C



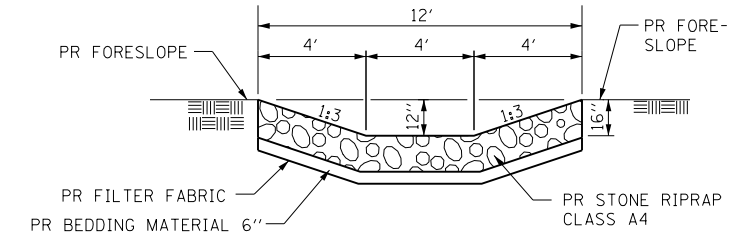
**TYPICAL DETAIL PLAN
APPROACH SHOULDER &
DRAIN DETAIL**



**BOX OUTLET
WHEN PRECAST**



DETAIL A

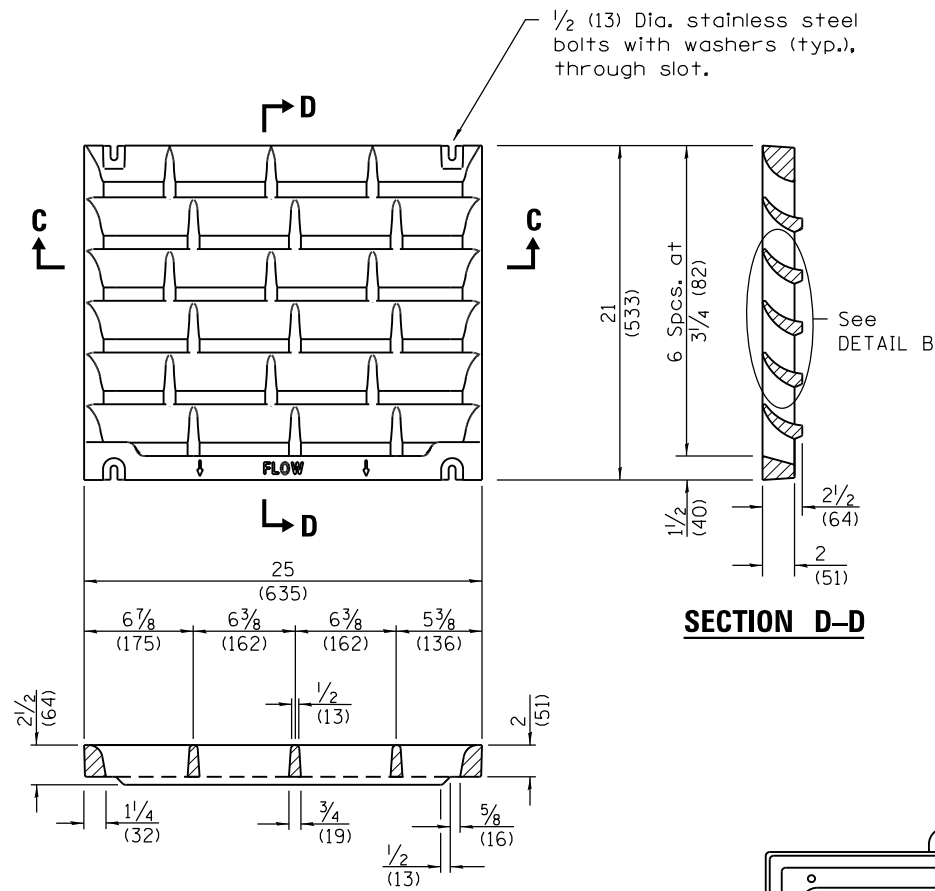


SECTION D-D

| INLET TYPE | SHOULDER WIDTH | O-O GRATING FRAME | INLET BOX INSIDE WIDTH | INLET BOX INSIDE LENGTH |
|------------|-----------------------|--------------------|------------------------|-------------------------|
| Type E | 8' (2.4 m) | 4'-4" (1.325 m) | 3'-11" (1.195 m) | 18 (460) |
| Type F | 10' (3.0 m) | 6'-5" (1.960 m) | 6'-0" (1.830 m) | 18 (460) |
| Type G | 5' (1.5 m) or less | 27 (690) | 22 (560) | 18 (460) |

INLET BOX

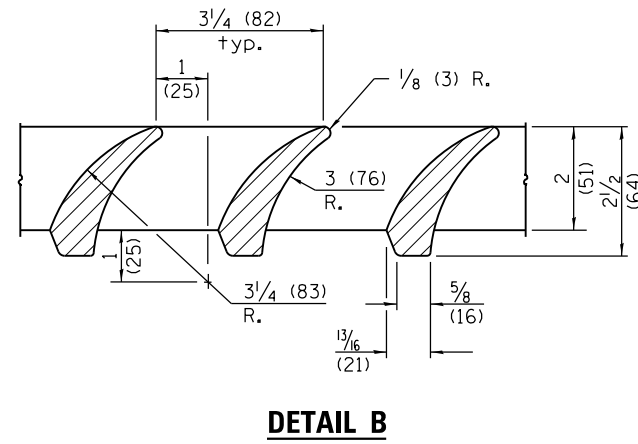
| REQUIRED MATERIAL | | | |
|-------------------|----------------------------|---------------|------------------|
| TYPE F | | | |
| Bar | Qty. | Size | Length |
| u | 8 | No. 4 (No.13) | 9'-9" (2.96 m) |
| u ₁ | 3 | No. 4 (No.13) | 13'-10" (4.21 m) |
| u ₃ | 6 | No. 4 (No.13) | 11'-6" (3.49 m) |
| Concrete | cu. yds. (m ³) | | 1.7 (1.3) |
| Reinf. bars | lbs. (kg) | | 126 (57.2) |
| Grating | sq. ft. (m ²) | | 10.9 (1.02) |
| TYPE E | | | |
| Bar | Qty. | Size | Length |
| u | 6 | No. 4 (No.13) | 9'-9" (2.96 m) |
| u ₂ | 3 | No. 4 (No.13) | 11'-9" (3.57 m) |
| u ₄ | 6 | No. 4 (No.13) | 9'-6" (2.89 m) |
| Concrete | cu. yds. (m ³) | | 1.3 (1.0) |
| Reinf. bars | lbs. (kg) | | 101 (45.8) |
| Grating | sq. ft. (m ²) | | 7.3 (0.68) |
| TYPE G | | | |
| Bar | Qty. | Size | Length |
| u | 4 | No. 4 (No.13) | 9'-9" (2.69 m) |
| u ₅ | 3 | No. 4 (No.13) | 9'-1" (2.78 m) |
| u ₆ | 4 | No. 4 (No.13) | 6'-2" (1.87 m) |
| Concrete | cu. yds. (m ³) | | 0.5 (0.4) |
| Reinf. bars | lbs. (kg) | | 55 (25.0) |
| Grating | sq. ft. (m ²) | | 3.6 (0.34) |



SECTION C-C

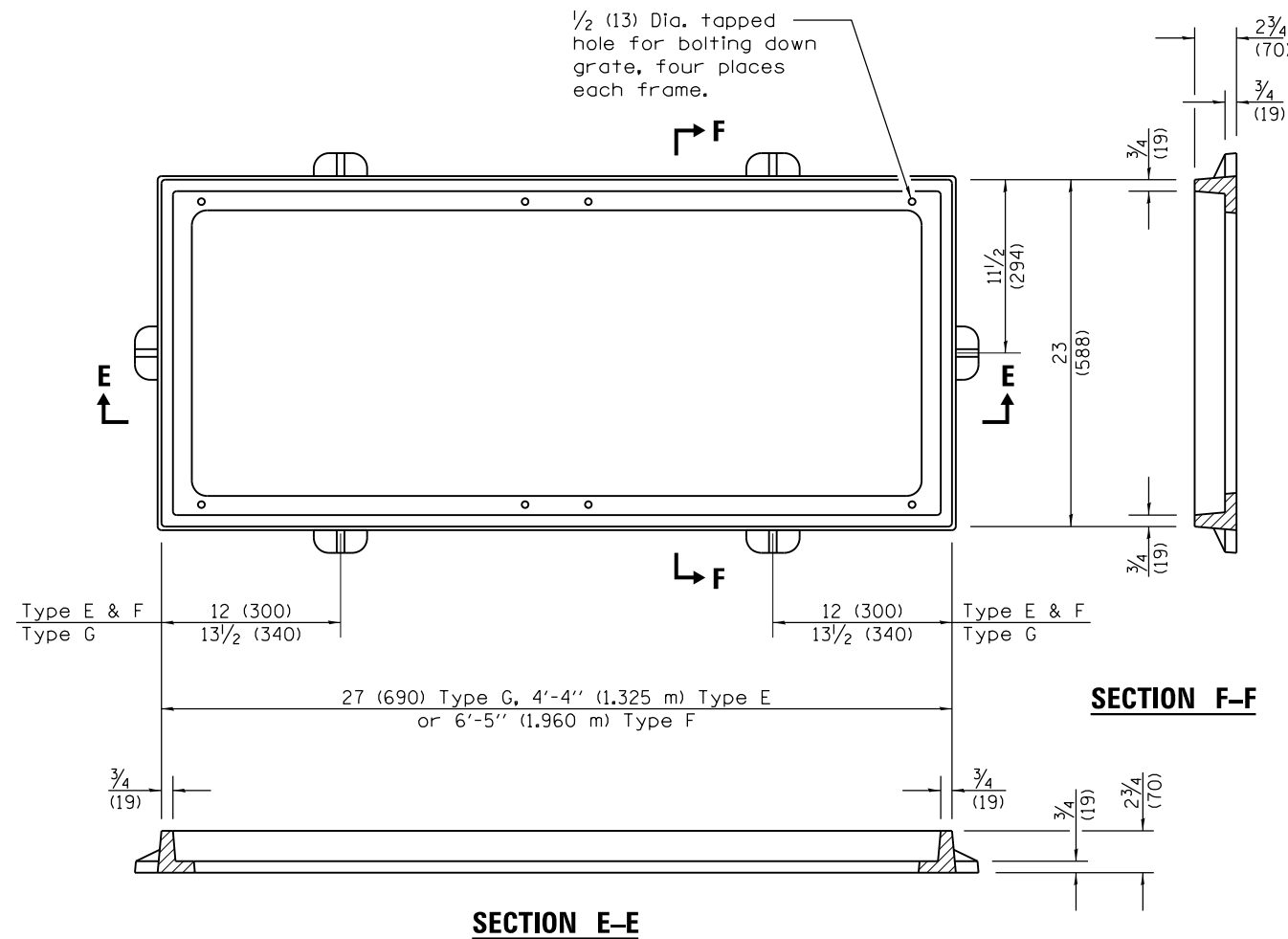
DETAIL OF CAST GRATE

Type G requires 1 grate
 Type E requires 2 grates
 Type F requires 3 grates



DETAIL B

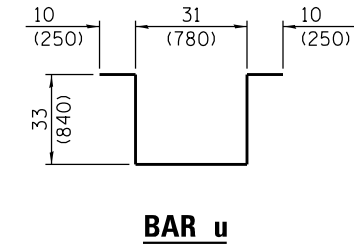
SECTION D-D



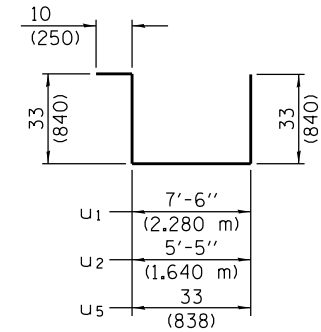
SECTION E-E

DETAIL OF CAST FRAME

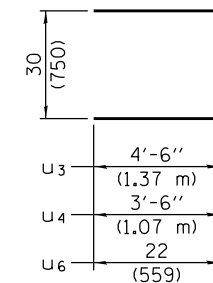
(Type E shown)



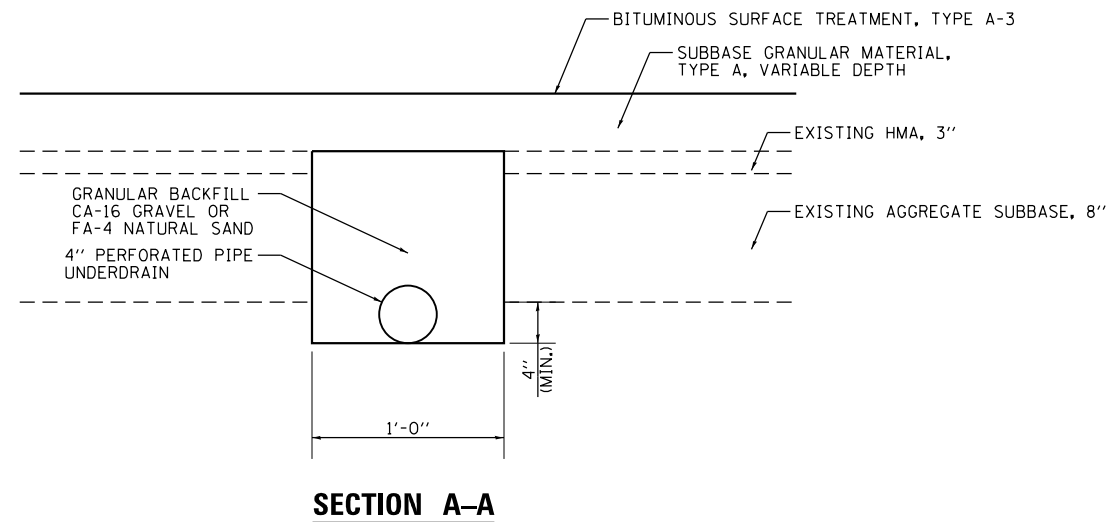
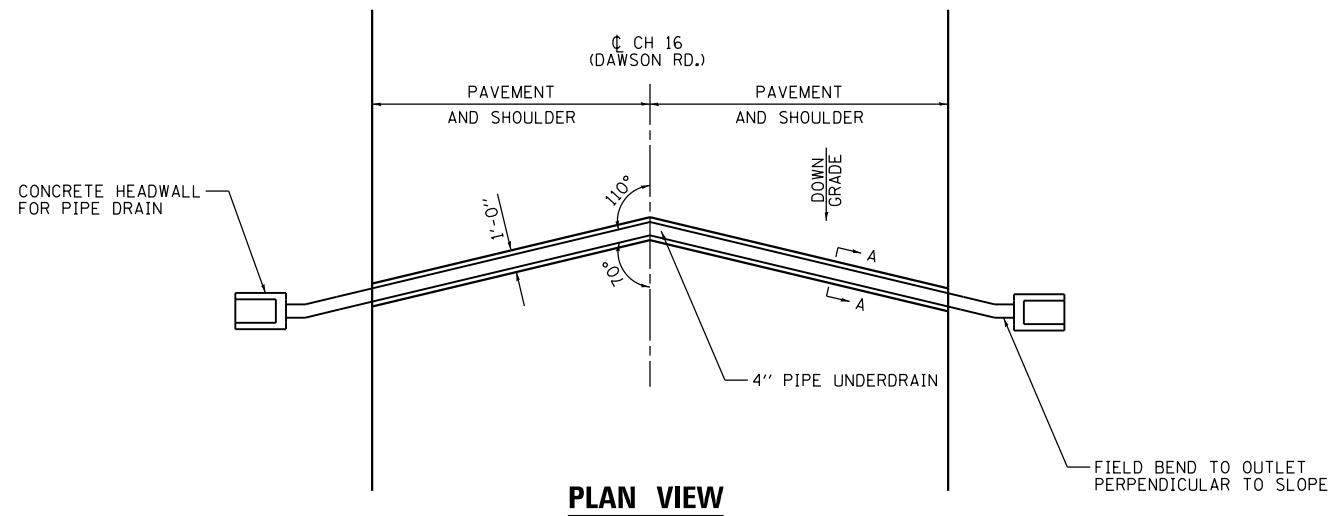
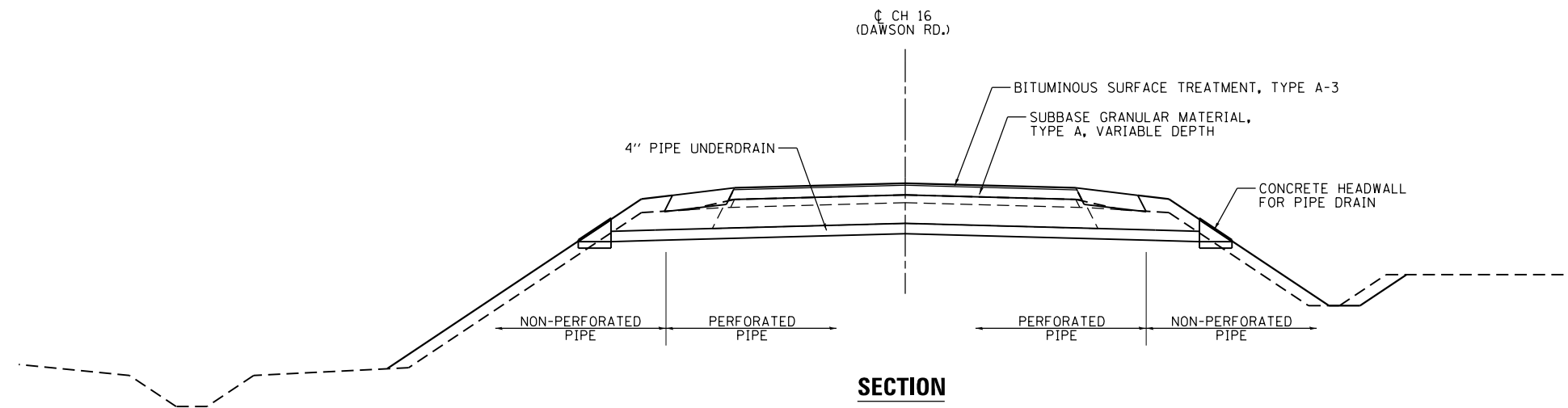
BAR u



BARS u₁, u₂ & u₅



BARS u₃, u₄ & u₆



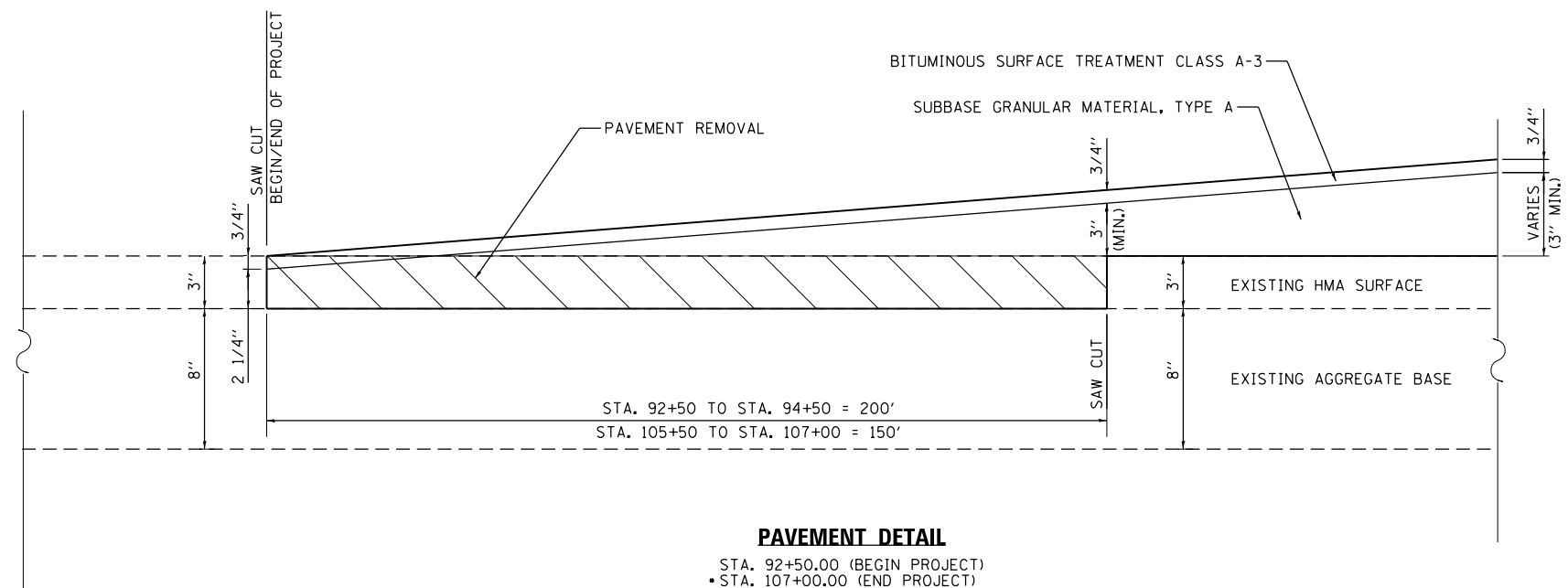
- NOTES:**
1. TRANSVERSE DRAIN MATERIALS AND CONSTRUCTION SHALL CONFORM TO SECTION 601 OF THE STANDARD SPECIFICATIONS EXCEPT THAT NO FABRIC ENVELOPE IS REQUIRED ON PERFORATED PIPE AND THE GRANULAR BACKFILL GRADATION SHALL BE CA-16 GRAVEL OR FA-4 NATURAL SAND.
 2. ALL MATERIALS WILL NOT BE MEASURED SEPARATELY, BUT WILL BE INCLUDED IN THE COST PER UNIT TRANSVERSE DRAINS.
 3. PERFORATED PIPE SHALL BE CORRUGATED PE WITH A SMOOTH INTERIOR MEETING ARTICLE 1040.19.

| | | | |
|--|-----------------------------|-----------------|-----------|
| FILE NAME = D672H97-sht-dtl.drain.dgn | USER NAME = jstein | DESIGNED - JWS | REVISED - |
| | | DRAWN - EKS | REVISED - |
| | PLOT SCALE = 10.0000' / in. | CHECKED - SJK | REVISED - |
| Default | PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|---|---------------------|------|---------|
| MISCELLANEOUS DETAILS TRANSVERSE DRAIN DETAILS | | | |
| SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA. |

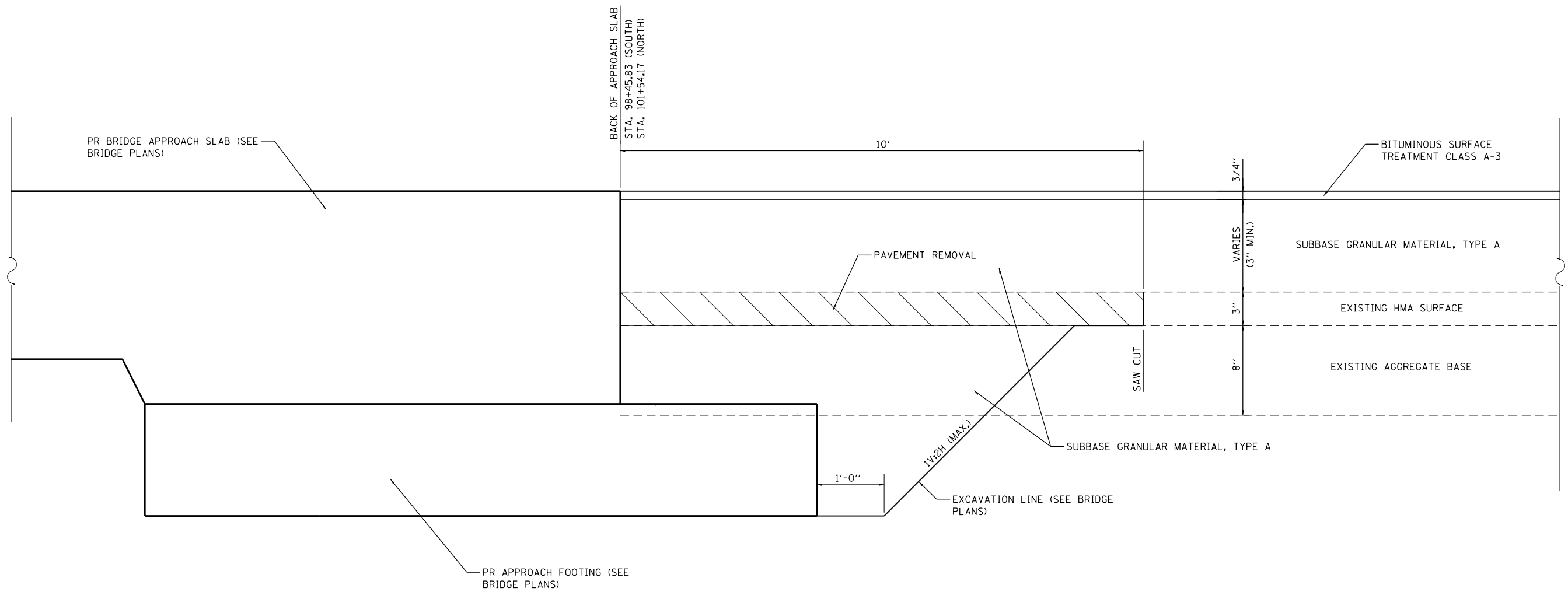
| RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | | SANGAMON | 56 | 37 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



PAVEMENT DETAIL

STA. 92+50.00 (BEGIN PROJECT)
 STA. 107+00.00 (END PROJECT)

• PAVEMENT REMOVAL EXTENDS TO END OF CONSTRUCTION ON DESCH RD. (60' ± LT FROM EXIST C OF CH 16)



PAVEMENT DETAIL AT APPROACH SLAB

STA. 98+45.33
 STA. 101+54.67

| | | | |
|--|-----------------------------|-----------------|-----------|
| FILE NAME = D672H97-sht-dtl.pvt.dgn | USER NAME = jstein | DESIGNED - JWS | REVISED - |
| Default | PLOT SCALE = 10.0000' / in. | DRAWN - EKS | REVISED - |
| | PLOT DATE = 8/3/2016 | CHECKED - SJK | REVISED - |
| | | DATE - AUG 2016 | REVISED - |

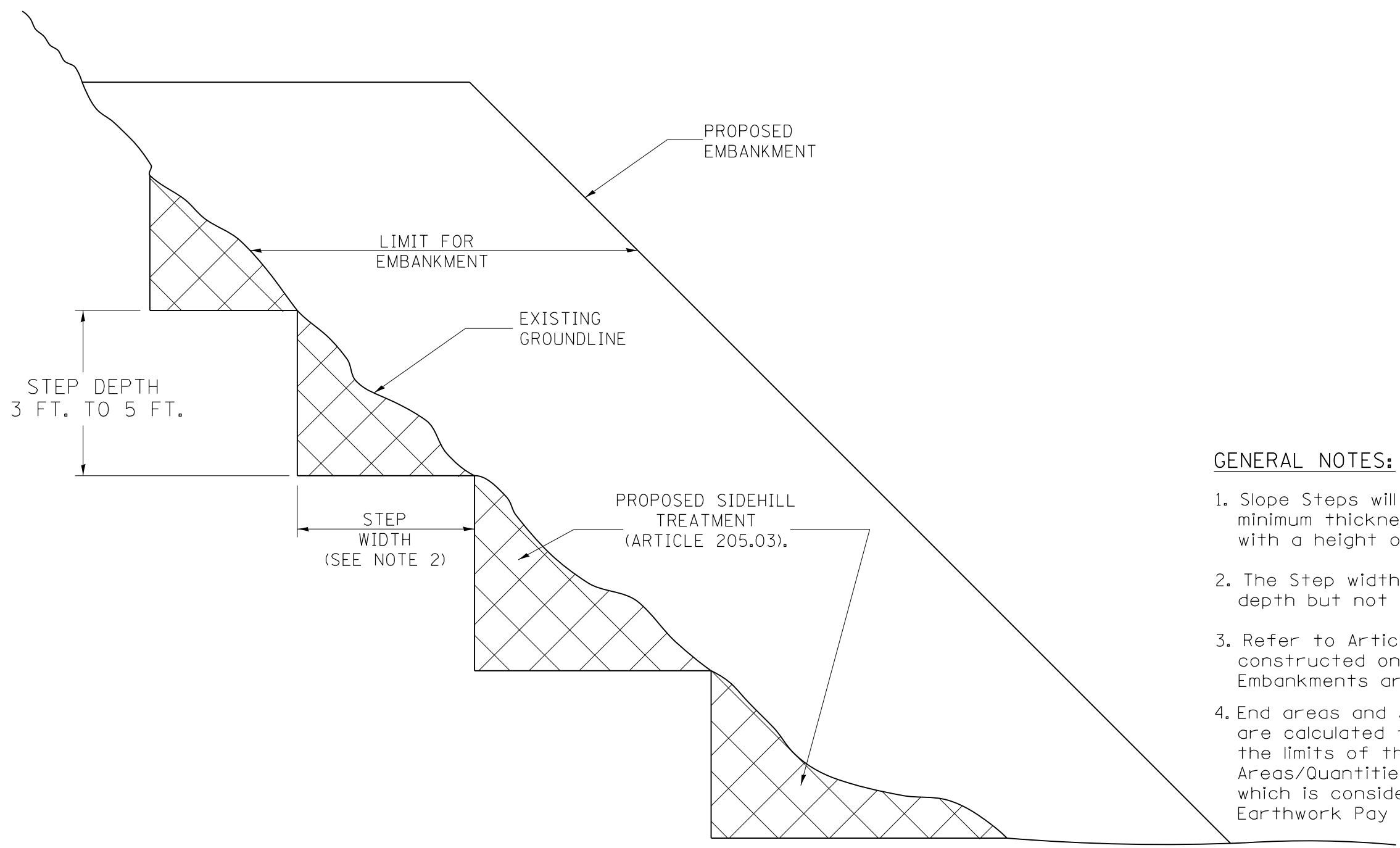
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| | | | |
|-----------------------|---------|-------------|--------------|
| MISCELLANEOUS DETAILS | | | |
| PAVEMENT DETAILS | | | |
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 38 |
| CONTRACT NO. 72H97 | | | | |

SLOPE STEPS DETAIL

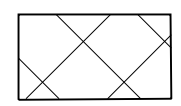
TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12 (300) minimum thickness "silver fills" and on a fills with a height of 10' (3.0 m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.
4. End areas and subsequent earthwork quantities are calculated from the existing ground line to the limits of the proposed embankment. Areas/Quantities do not include the "Slope Step" which is considered incidental to the various Earthwork Pay Items.

REPLACEMENT MATERIAL:

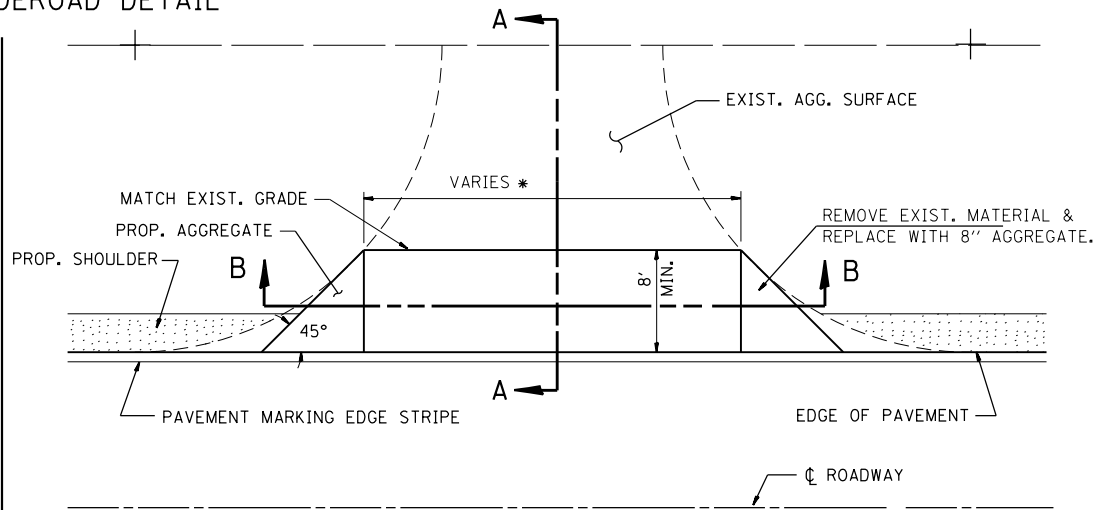
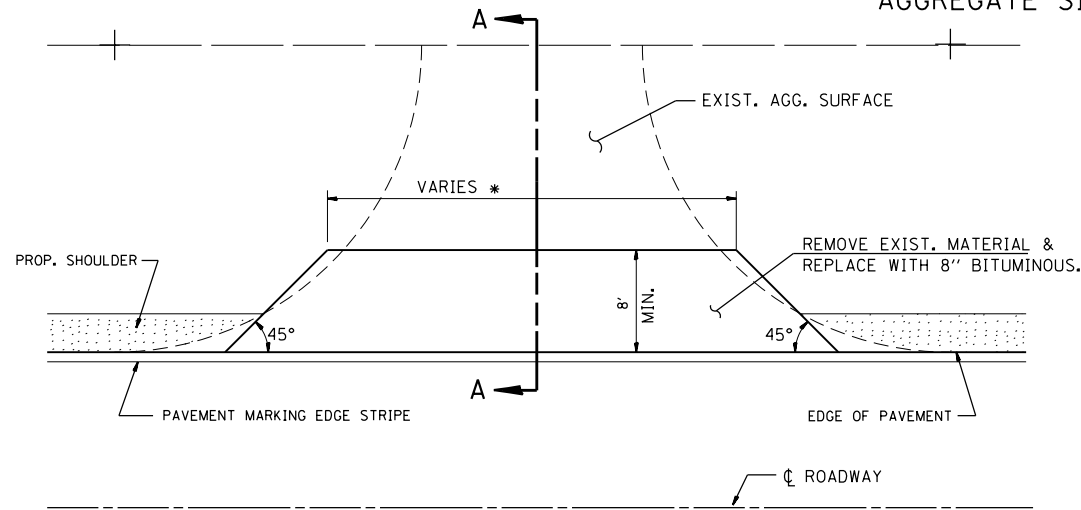


STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFACATION).

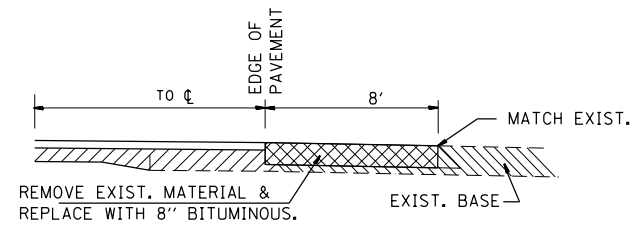
All dimensions are in inches
(millimeters) unless otherwise noted.

| | | | | | | | | | | | |
|--|---|------------|-----------|---|--|---|--------------------|---------|---------------------------|-----------------|--------------|
| FILE NAME = | USER NAME = jstein | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT DETAILS SLOPE STEPS DETAIL | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| P:\100662\Dawson Rd over I-72\4 CADD - | DWG\4.7 Tran\CADD Sheets\0672H97-sht-dtl-06 | DRAWN | REVISED - | | 72 | • | SANGAMON | 56 | 39 | | |
| SLOPESTEP.DGN | PLOT SCALE = 10.0000' / in. | CHECKED - | REVISED - | | SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA. | | CONTRACT NO. 72H97 | | ILLINOIS FED. AID PROJECT | | |
| Default | PLOT DATE = 8/3/2016 | DATE - | REVISED - | | *(84-10-2) BDGE RAISING 2016 | | | | | | |

AGGREGATE SIDEROAD DETAIL

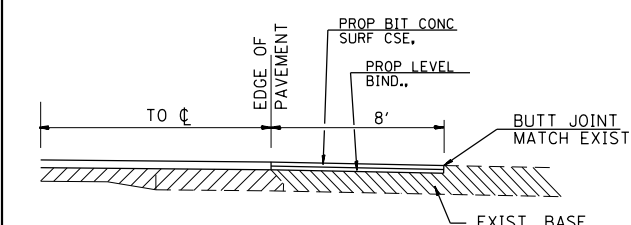


* AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



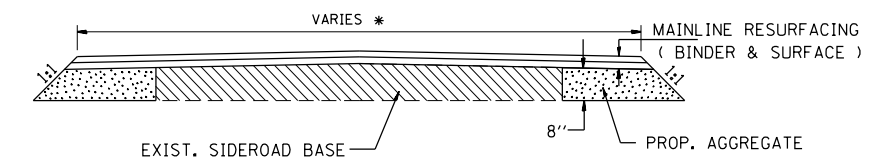
SECTION A-A

TYPE A



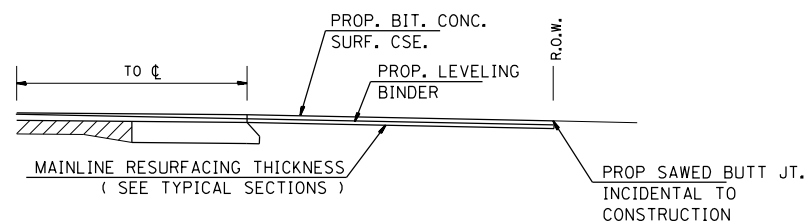
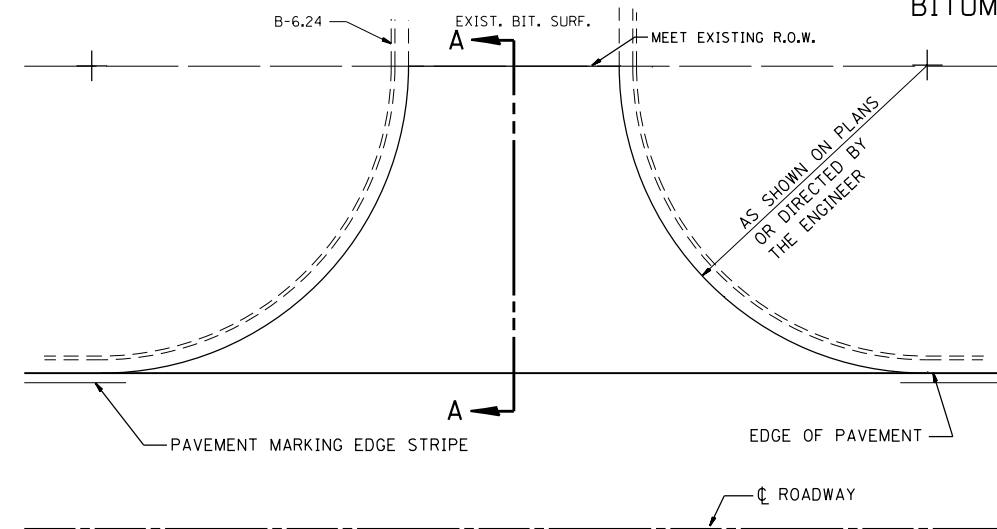
SECTION A-A

TYPE B



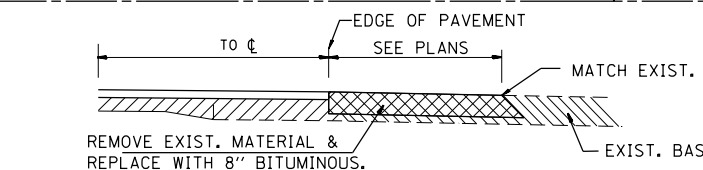
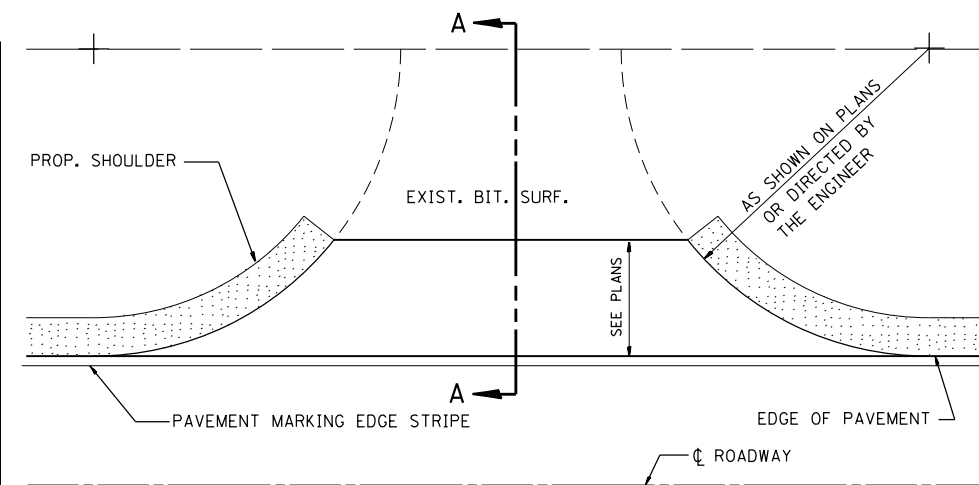
SECTION B-B

BITUMINOUS SIDEROAD DETAIL

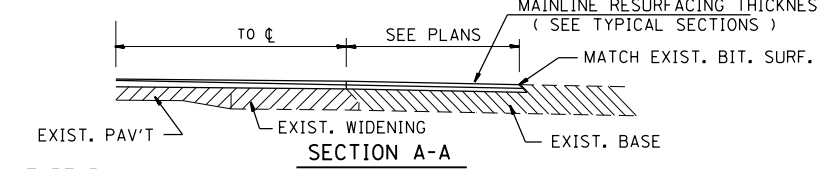


SECTION A-A

URBAN ROAD OR STREET



TYPE A



TYPE B

RURAL SIDEROADS

NOTES

1. THE SIDEROAD TREATMENT FOR RURAL BITUMINOUS SIDEROADS SHALL BE CONTINUED TO THE END OF THE RADIUS RETURN IF RADIUS IMPROVEMENT IS SHOWN ON THE PLANS.
2. IF VERTICAL GRADE CHANGE IS OCCURRING, THEN THE SIDEROAD TREATMENT SHALL CONTINUE UNTIL THE PROPOSED CHANGE MEETS THE EXISTING SIDEROAD.
3. THE ROADWAY PLANS AND SCHEDULE WILL LIST THE QUANTITIES AND LOCATIONS FOR ALL SIDEROADS.

| | | | |
|--|---|-----------------|-----------------------|
| FILE NAME = | USER NAME = jstein | DESIGNED - DJK | REVISED - CGC 09APR93 |
| P:\100662\Dawson Rd over I-72\4 CADD - | DWG\4.7 Tran\CADD Sheets\0672H97-sht-dtl-06 | DRAWN - CAD | REVISED - |
| Default SIDERD.DGN | PLOT SCALE = 10.0000' / in. | CHECKED - DJK | REVISED - |
| | PLOT DATE = 8/3/2016 | DATE - 10/21/92 | REVISED - |

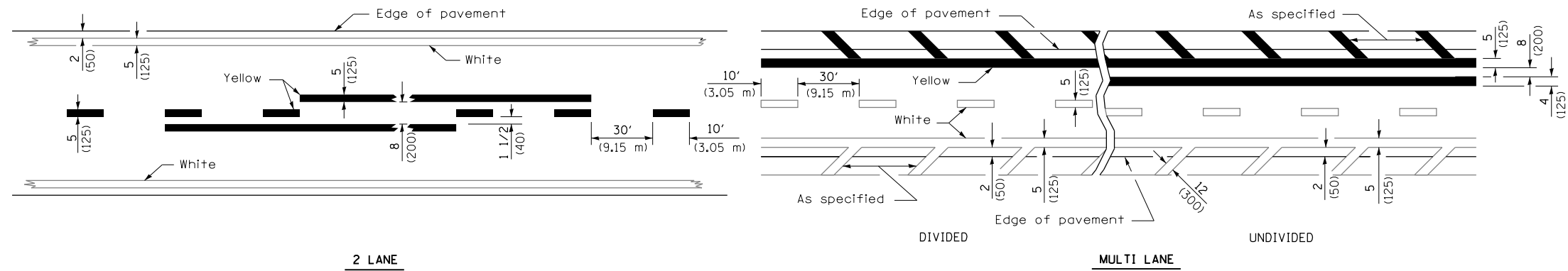
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS
SIDEROAD DETAILS

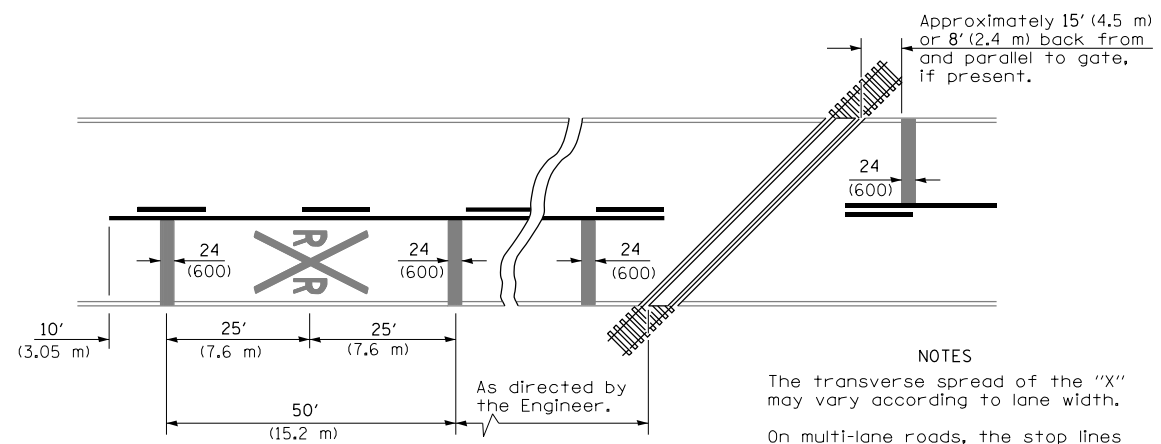
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|----------|---------------------------|-----------|
| 72 | . | SANGAMON | 56 | 40 |
| CONTRACT NO. 72H97 | | | ILLINOIS FED. AID PROJECT | |

(84-10-2) BRDG RAISING 2016



LANE AND EDGE LINES

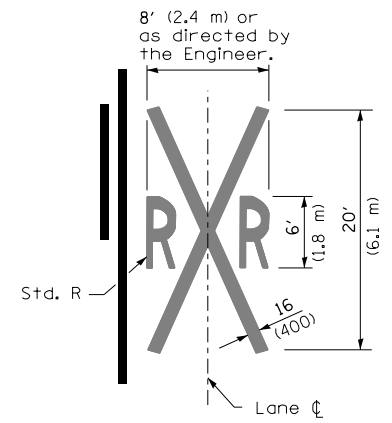


NOTES

The transverse spread of the "X" may vary according to lane width.

On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.

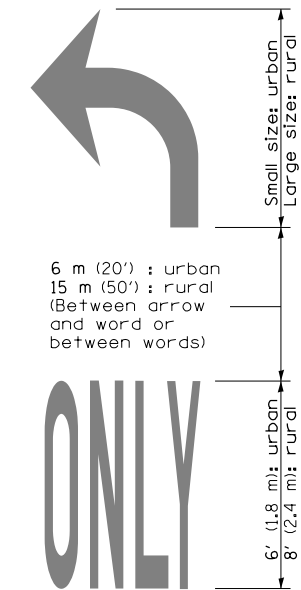
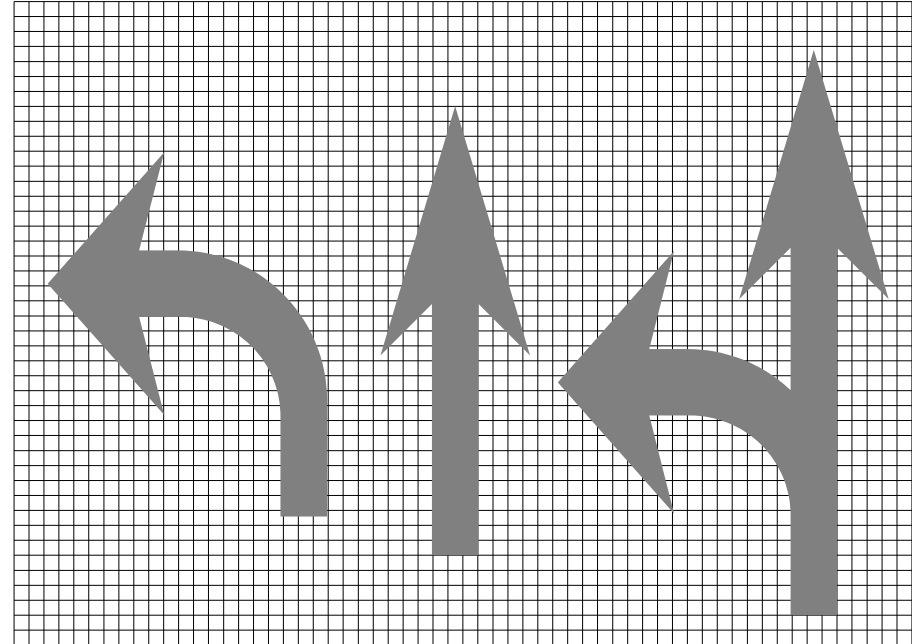
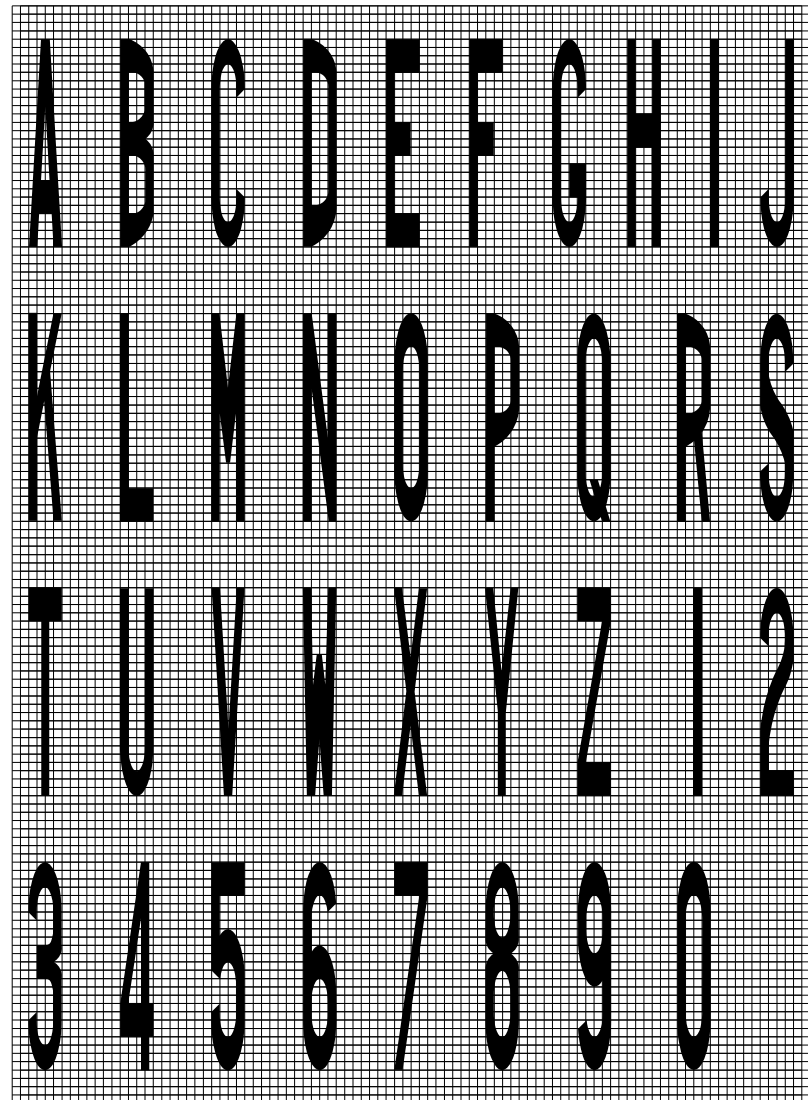
When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table II-1, condition B of the MUTCD.



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

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

| | | | | | | | | | | | | | | |
|--|--|------------|---------------|---|----------------------------------|-------|----|--------|-------------|---------|--------------------|------------------|-----------|----|
| FILE NAME = | USER NAME = jstein | DESIGNED - | REVISED - GWS | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL PAVEMENT MARKINGS | | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| P:\100662\Dawson Rd over I-72\4 CADD - | WG\4.7 Tran\CADD Sheets\D672H97-sht-dtl-06 | DRAWN | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO STA. | ILLINOIS | FED. AID PROJECT | 56 | 41 |
| 780001A.DGN | PLOT SCALE = 40.0000' / in. | CHECKED - | REVISED - | | | | | | | | CONTRACT NO. 72H97 | | | |
| Default | PLOT DATE = 8/3/2016 | DATE - | REVISED - | | | | | | | | | | | |



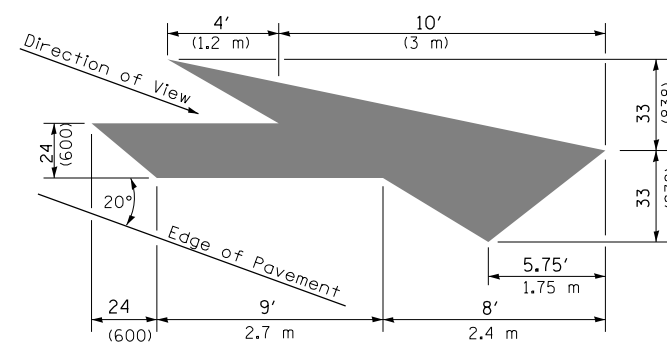
WORD AND ARROW LAYOUT

| | | | |
|--|---|---|--|
| | a | | |
| | | a | |

| Legend Height | Arrow Size | a |
|---------------|------------|----------|
| 1.8 m (6') | Small | 74 (2.9) |
| 2.4 m (8') | Large | 96 (3.8) |

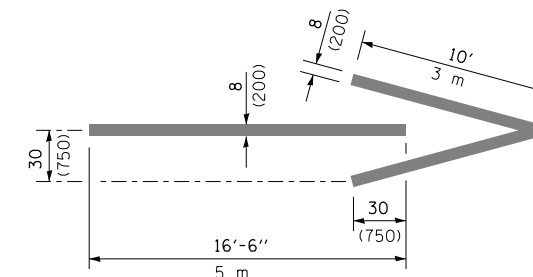
The space between adjacent letters or numerals should be approximately 75 (3) for 1.8 m (6') legend and 100 (4') for 2.4 m (8') legend.

LETTER AND ARROW GRID SCALE



LANE DROP ARROW

Right lane drop arrow shown.
Use mirror image for left lane.



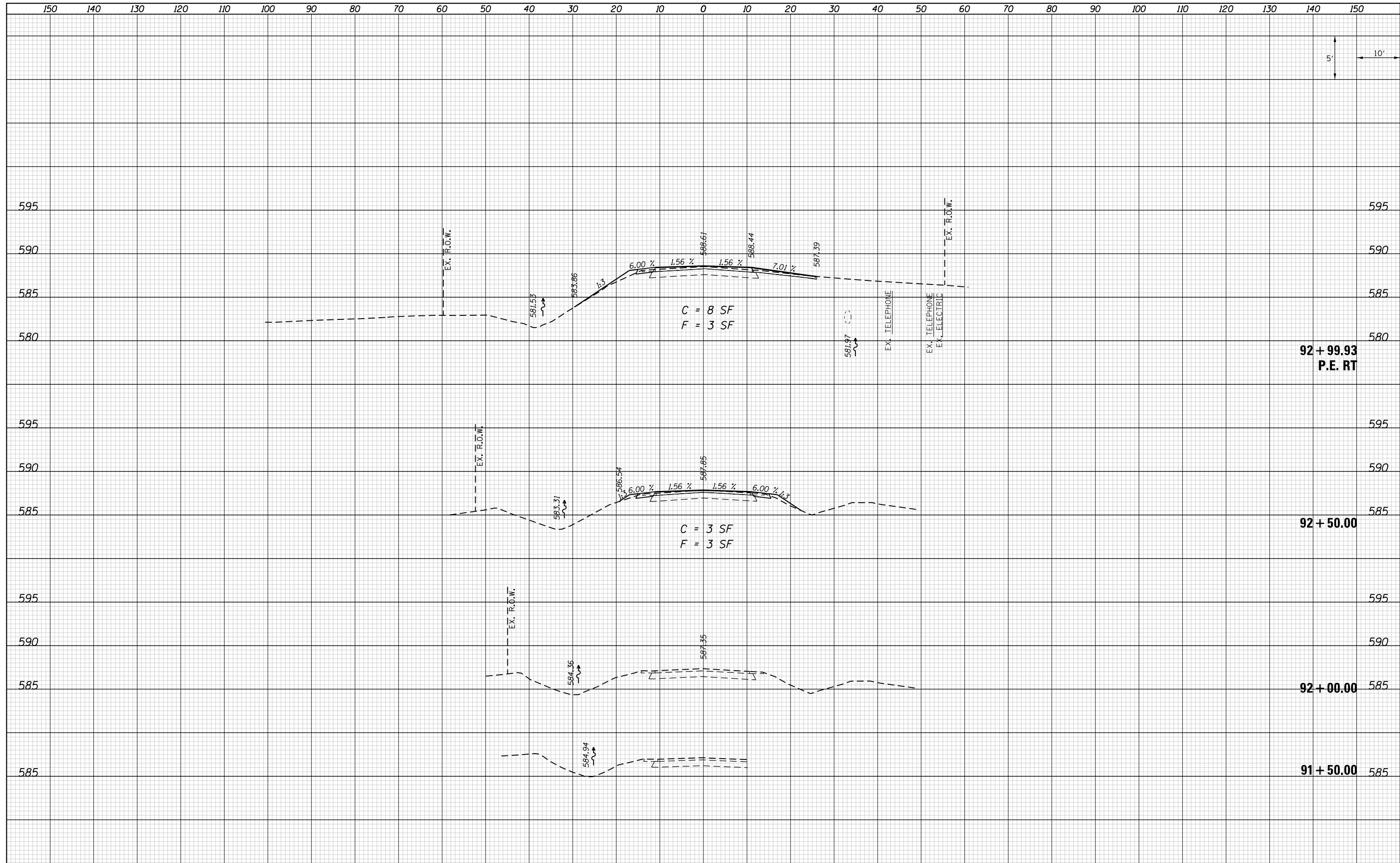
WRONG WAY ARROW

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

| | | | | | | | | | | | | | | |
|--|--|------------|-----------|---|----------------------------------|-------|----|--------|-------------|---------|----------|------------------|--------------------|----|
| FILE NAME = | USER NAME = jstein | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL PAVEMENT MARKINGS | | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| P:\100662\Dawson Rd over I-72\4 CADD - | WG\4.7 Tran\CADD Sheets\0672H97-sht-dtl-06 | DRAWN | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO STA. | | | 56 | 42 |
| Default 780001A.DGN | PLOT SCALE = 40.0000' / in. | CHECKED - | REVISED - | | | | | | | | ILLINOIS | FED. AID PROJECT | CONTRACT NO. 72H97 | |
| | PLOT DATE = 8/3/2016 | DATE - | REVISED - | | | | | | | | | | | |

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| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS |
| | CHECKED |

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| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS |
| | CHECKED |



FILE NAME = D672H97-sh-t-xsec.dgn
 Default

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|-----------------------------|-----------------|----------|
| USER NAME = jstein | DESIGNED - JWS | REVISD - |
| | DRAWN - EKS | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - SJK | REVISD - |
| PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

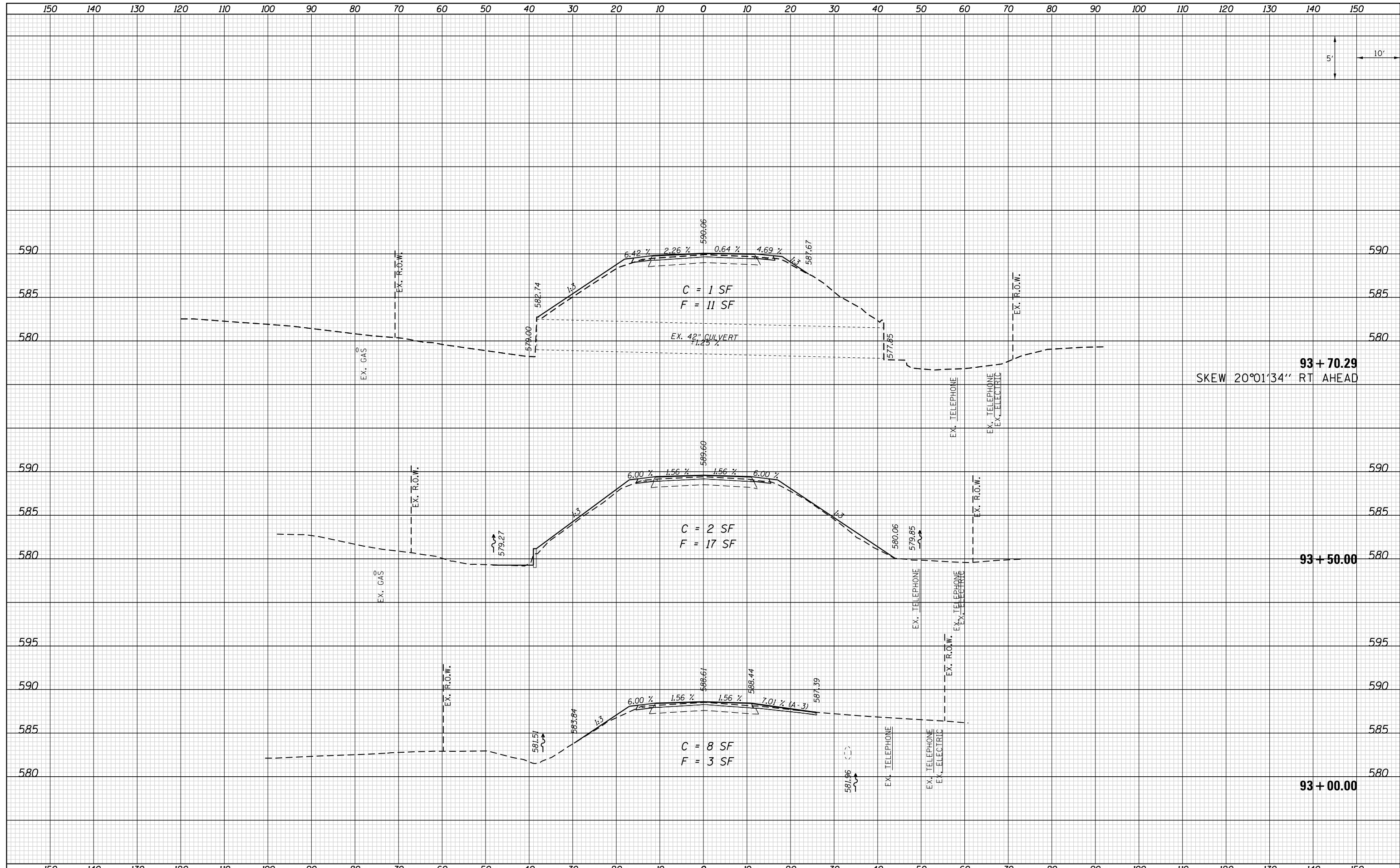
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10' SHEET 1 OF 14 SHEETS STA. 91+50.00 TO STA. 92+99.93

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 43 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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| | AREAS |
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| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS |
| | CHECKED |



FILE NAME = D672H97-sht-xsec.dgn
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|-----------------------------|-----------------|----------|
| USER NAME = jstein | DESIGNED - JWS | REVISD - |
| PLOT SCALE = 20.0000' / in. | DRAWN - EKS | REVISD - |
| PLOT DATE = 8/3/2016 | CHECKED - SJK | REVISD - |
| | DATE - AUG 2016 | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

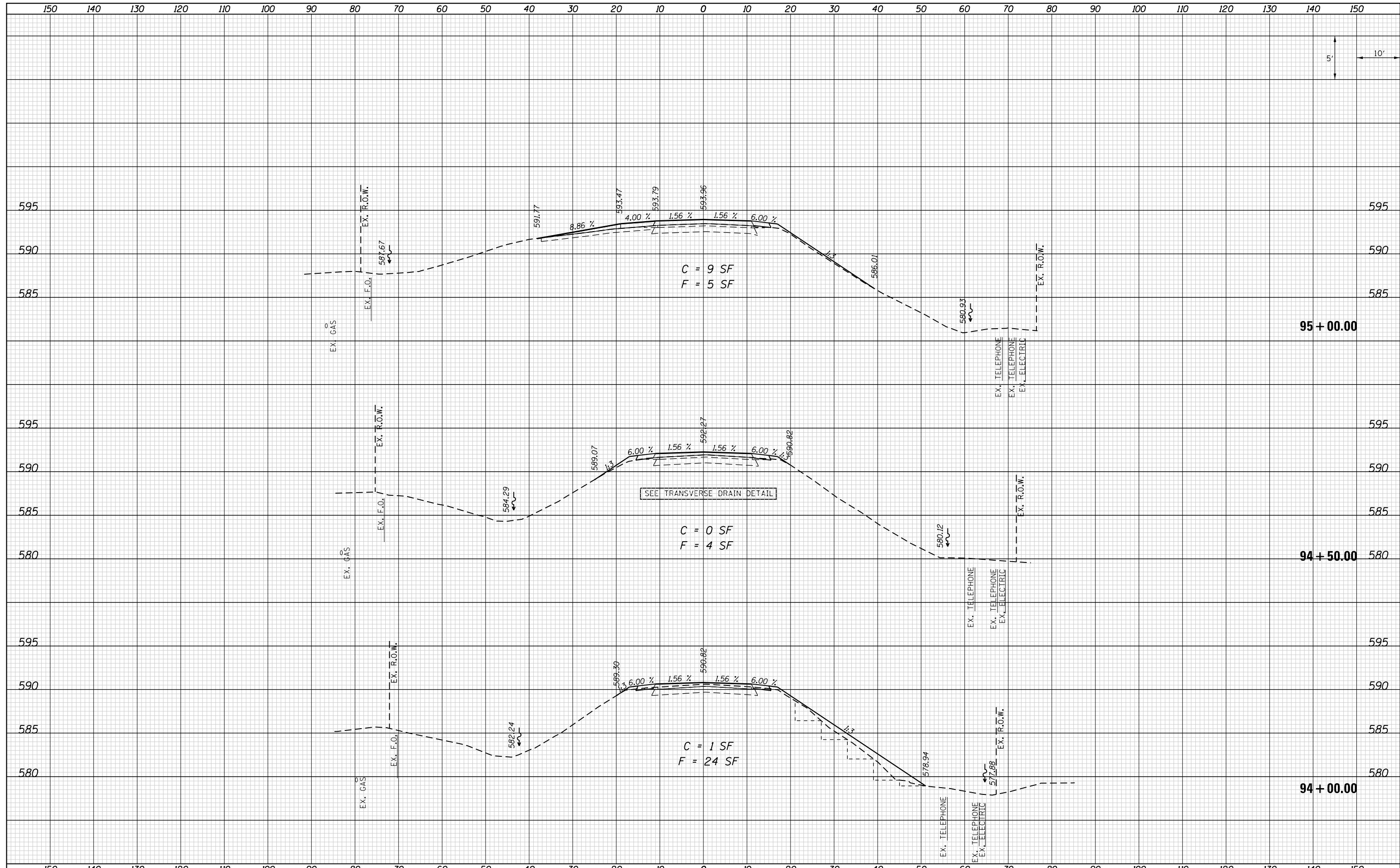
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10'
 SHEET 2 OF 14 SHEETS
 STA. 93+00.00 TO STA. 93+70.29

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|---------------------------|---------|-----------------|--------------------|--------------|
| F.A.I. RTE. 72 | SECTION | COUNTY SANGAMON | TOTAL SHEETS 56 | SHEET NO. 44 |
| | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
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| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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FILE NAME = D672H97-sht-xsec.dgn
 Default

USER NAME = jstein
 DESIGNED - JWS
 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

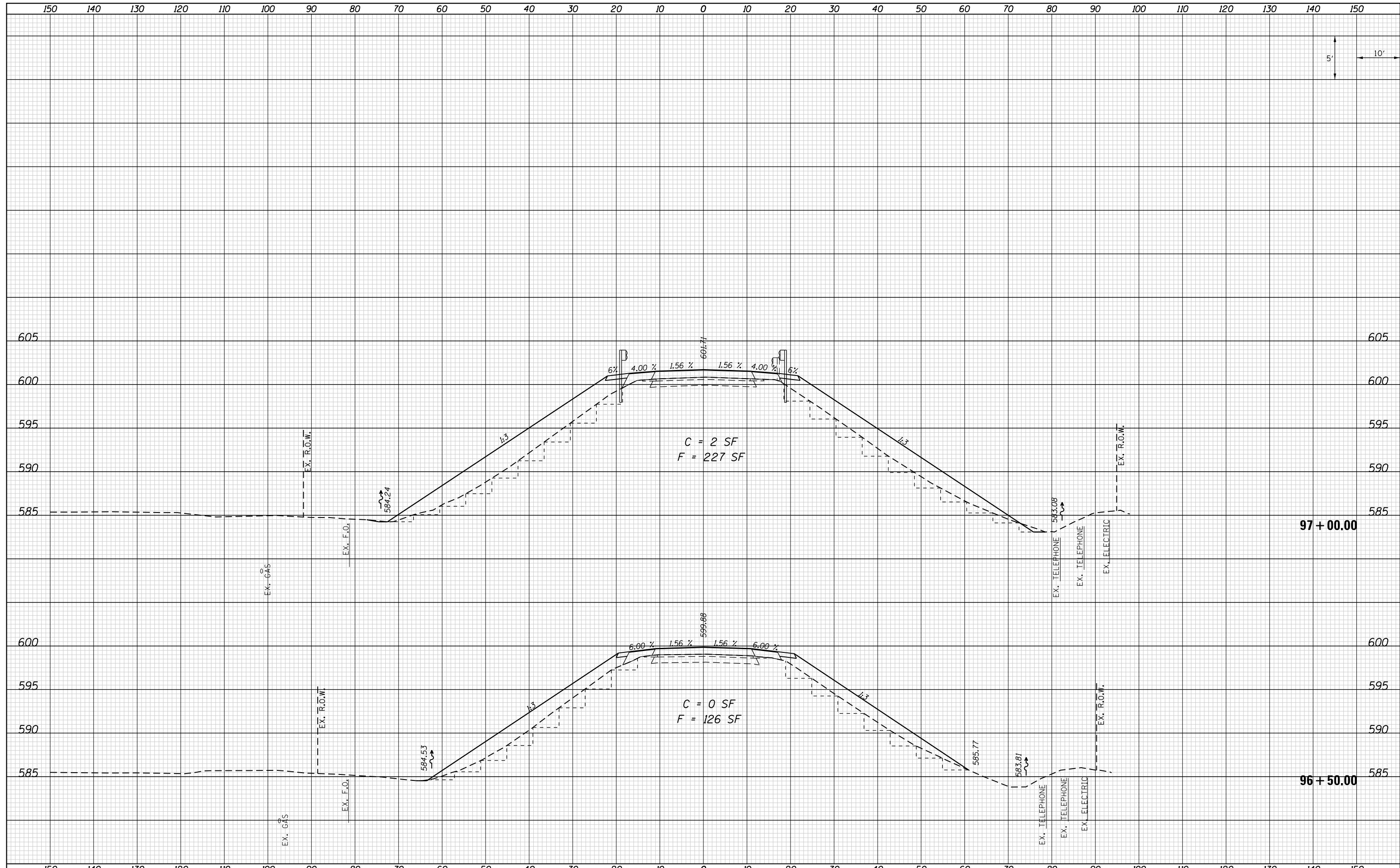
SCALE: 1"=10'
 SHEET 3 OF 14 SHEETS
 STA. 94+00.00 TO STA. 95+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 45 |
| CONTRACT NO. 72H97 | | | | |

ILLINOIS FED. AID PROJECT
 (84-10-2) BDGE RAISING 2016

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| FINAL SURVEY NO. | |
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| TEMPLATE AREAS CHECKED | |
| NOTE BOOK AREAS CHECKED | |

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| DATE | |
| BY | |
| ORIGINAL SURVEY NO. | |
| SURVEYED PLOTTED | |
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| NOTE BOOK AREAS CHECKED | |



FILE NAME = D672H97-sht-xsec.dgn
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| PLOT SCALE = 20.0000' / in. | CHECKED - SJK | REVISIED - |
| PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISIED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

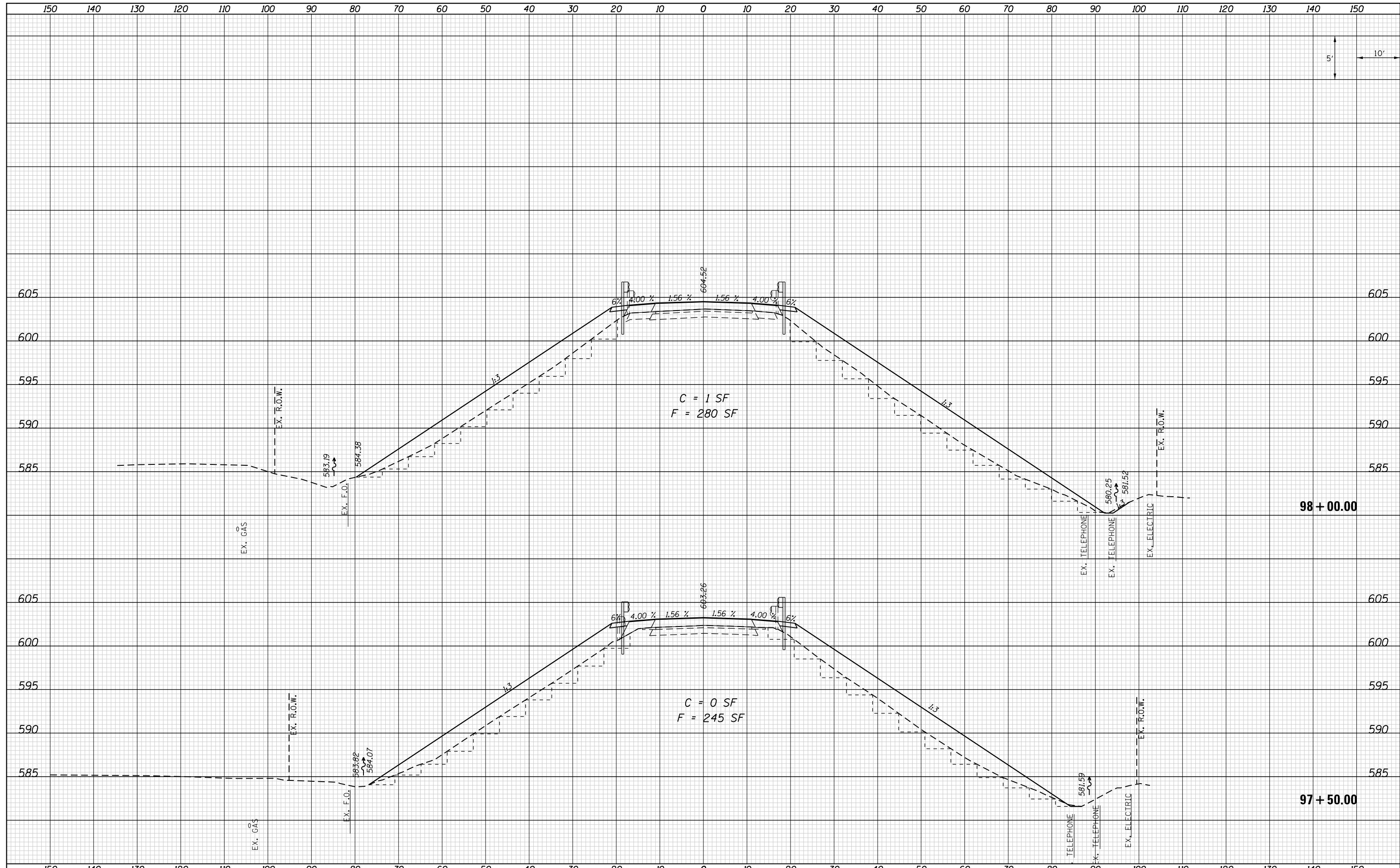
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10' SHEET 5 OF 14 SHEETS STA. 96+50.00 TO STA. 97+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 47 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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FILE NAME = D672H97-sh1-xsec.dgn
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USER NAME = jstein
 DESIGNED - JWS
 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/3/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

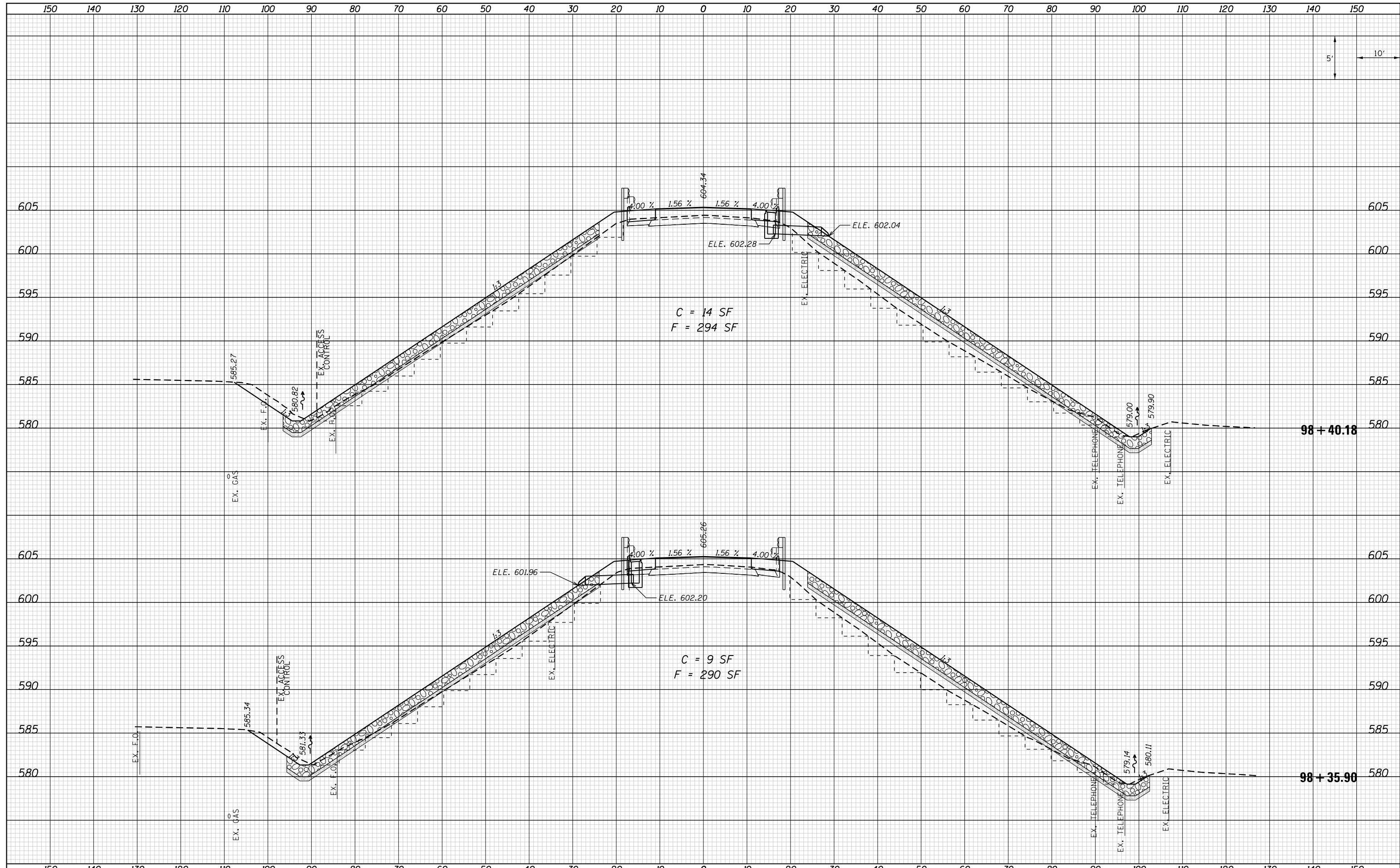
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10' SHEET 6 OF 14 SHEETS STA. 97+50.00 TO STA. 98+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 48 |
| CONTRACT NO. 72H97 | | | | |

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| DATE | |
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| ORIGINAL SURVEY | SURVEYED |
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FILE NAME = D672H97-sht-xsec.dgn
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USER NAME = jstein
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 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/3/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

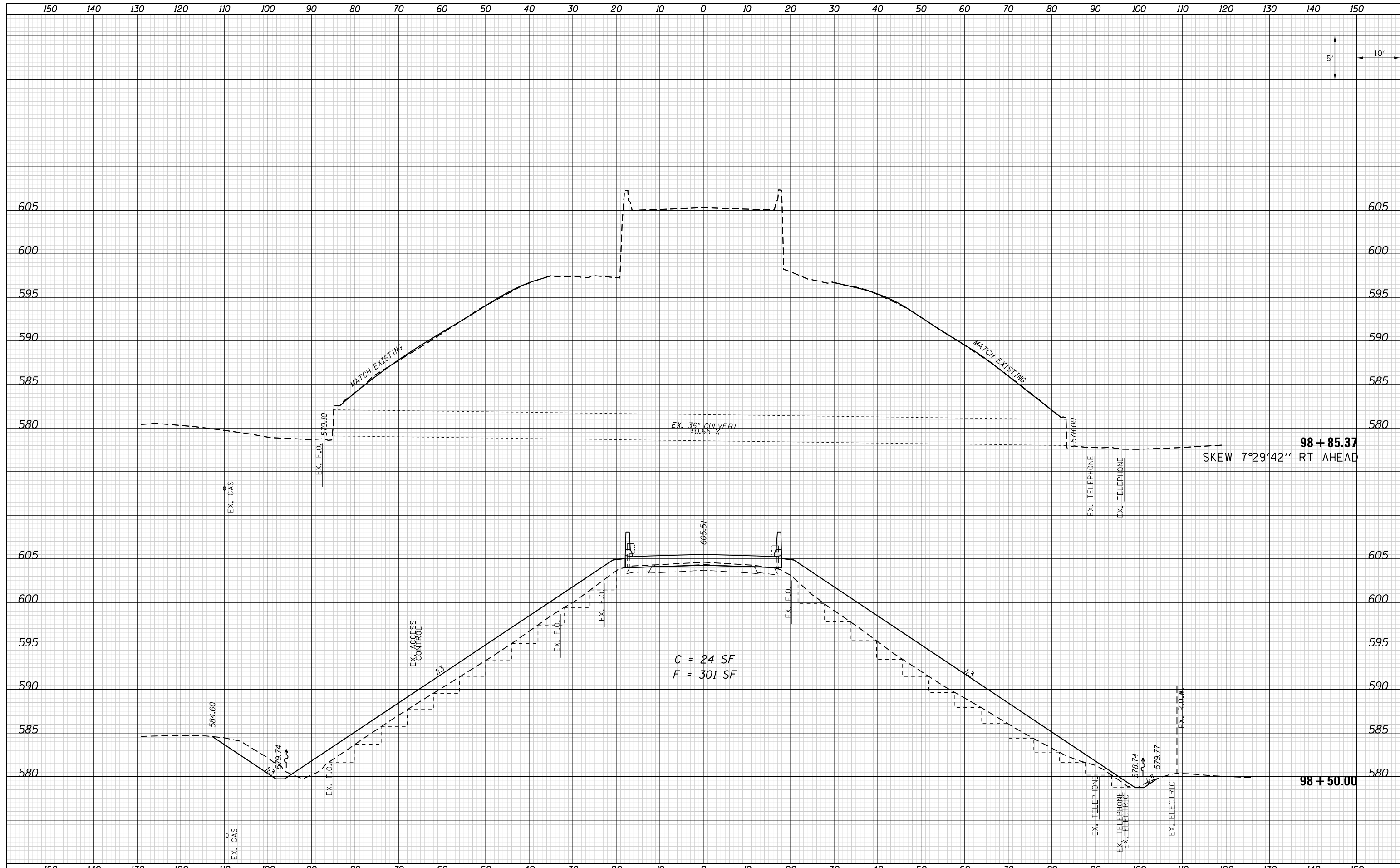
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10'
 SHEET 7 OF 14 SHEETS
 STA. 98+35.90 TO STA. 98+40.18

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 49 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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| DATE | |
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FILE NAME = D672H97-sh-t-xsec.dgn
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| USER NAME = jstein | DESIGNED - JWS | REVISD - |
| | DRAWN - EKS | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - SJK | REVISD - |
| PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

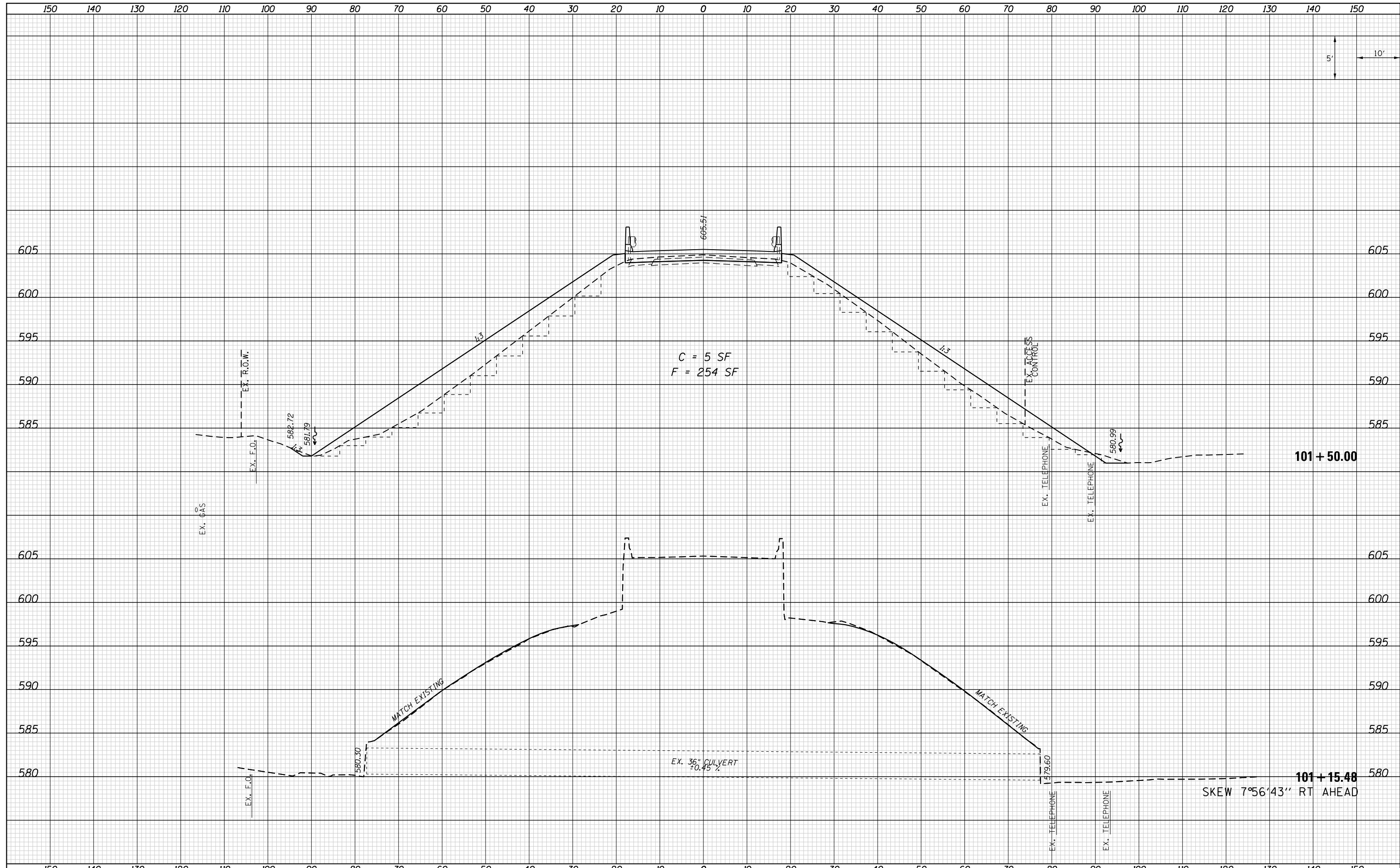
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10' SHEET 8 OF 14 SHEETS STA. 98+50.00 TO STA. 98+85.37

| | | | | |
|---------------------------|---------|-----------------|--------------------|--------------|
| F.A.I. RTE. 72 | SECTION | COUNTY SANGAMON | TOTAL SHEETS 56 | SHEET NO. 50 |
| | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
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|-----------------|----------|
| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS |
| | CHECKED |



FILE NAME = D672H97-shr-xsec.dgn
 Default

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|-----------------------------|-----------------|----------|
| USER NAME = jstein | DESIGNED - JWS | REVISD - |
| | DRAWN - EKS | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - SJK | REVISD - |
| PLOT DATE = 8/3/2016 | DATE - AUG 2016 | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

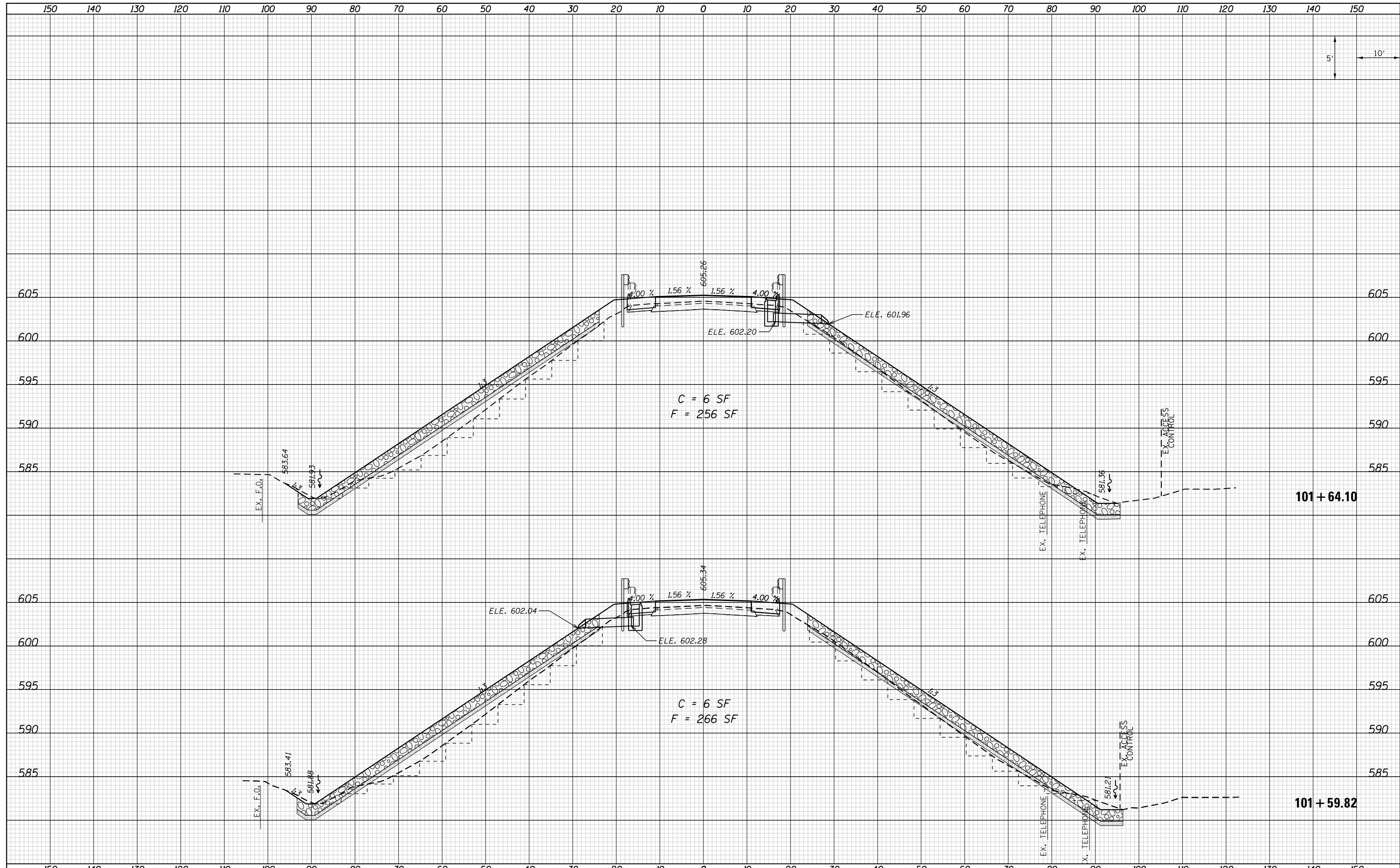
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10' SHEET 9 OF 14 SHEETS STA. 101+15.48 TO STA. 101+50.00

| | | | | |
|---------------------------|-----------|-----------------|--------------------|--------------|
| F.A.I. RTE. 72 | SECTION . | COUNTY SANGAMON | TOTAL SHEETS 56 | SHEET NO. 51 |
| | | | CONTRACT NO. 72H97 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
| BY | |
| SURVEYED | |
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| DATE | |
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| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| NO. | |



FILE NAME = D672H97-sht-xsec.dgn
 Default

USER NAME = jstein
 DESIGNED - JWS
 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/3/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

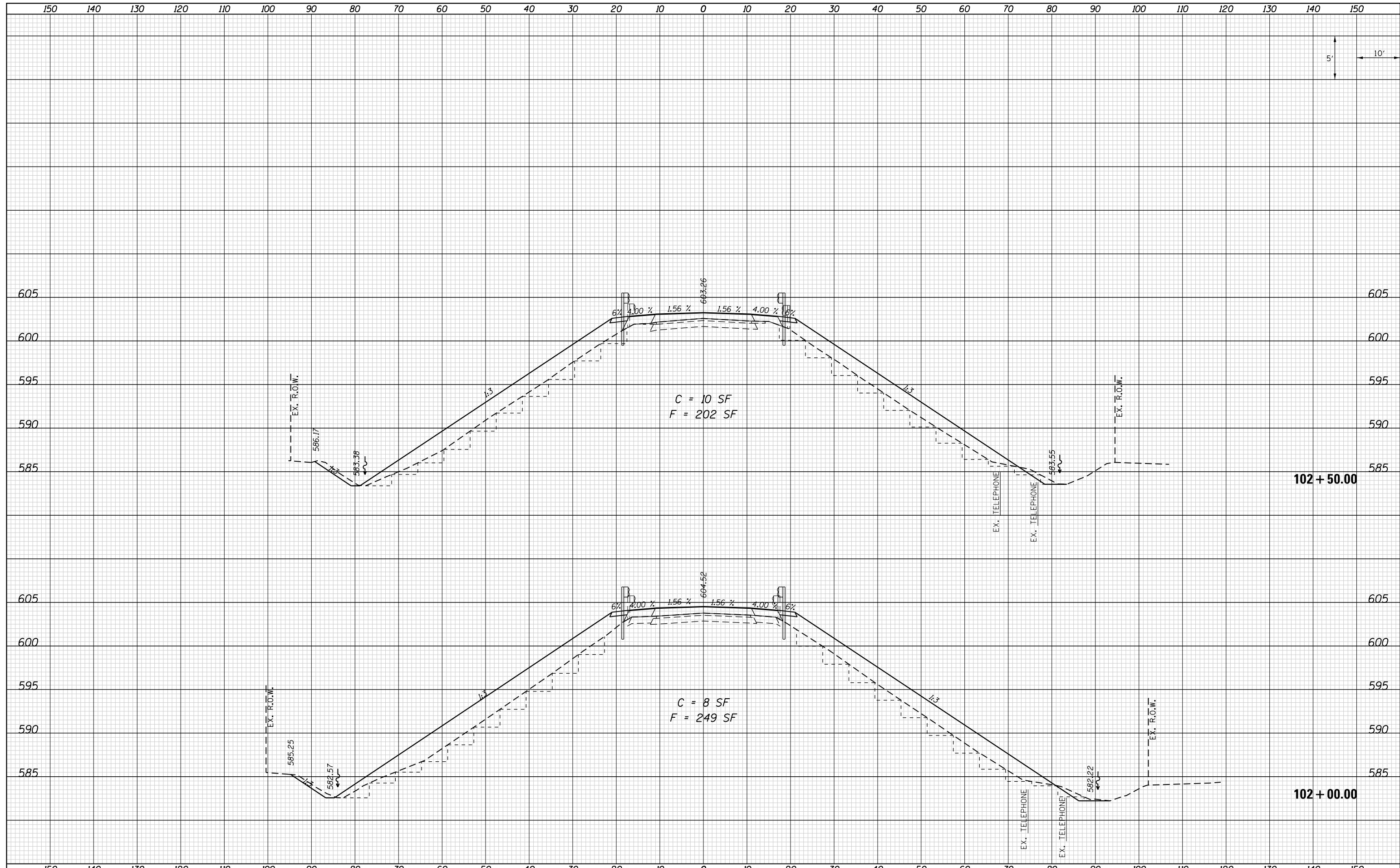
SCALE: 1"=10'
 SHEET 10 OF 14 SHEETS
 STA. 101+59.82 TO STA. 101+64.10

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 52 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

(84-10-2) BDGE RAISING 2016

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| DATE | |
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| SURVEYED | |
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| TEMPLATE | |
| AREAS | |
| CHECKED | |
| NO. | |

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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
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FILE NAME = D672H97-sht-xsec.dgn
 Default

USER NAME = jstein
 DESIGNED - JWS
 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/3/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

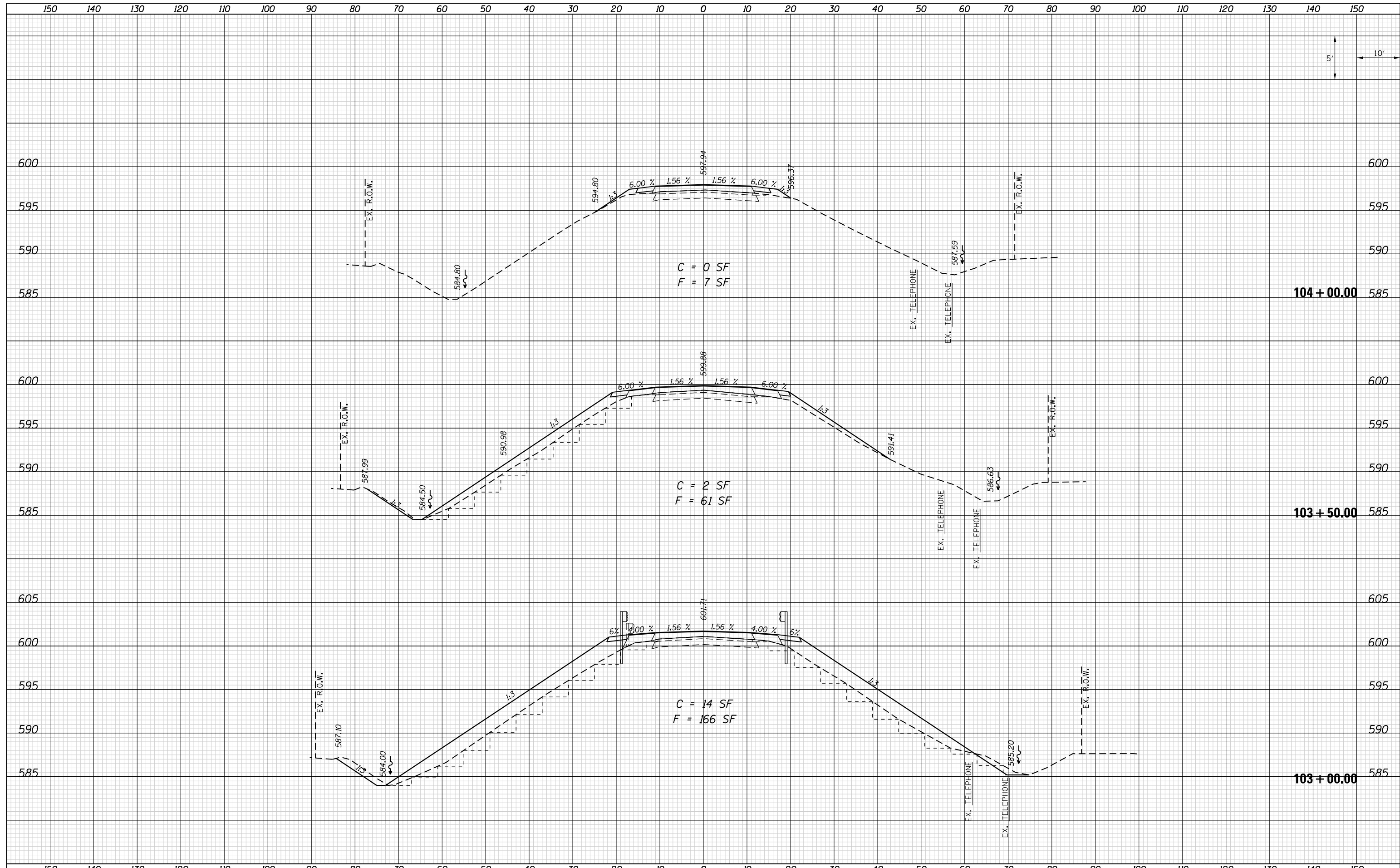
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10' SHEET 11 OF 14 SHEETS STA. 102+00.00 TO STA. 102+50.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 53 |
| CONTRACT NO. 72H97 | | | | |

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|--------------|----------|
| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS |
| | CHECKED |

| | |
|-----------------|----------|
| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS |
| | CHECKED |



FILE NAME = D672H97-sh-t-xsec.dgn
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USER NAME = jstein
 DESIGNED - JWS
 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/3/2016

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

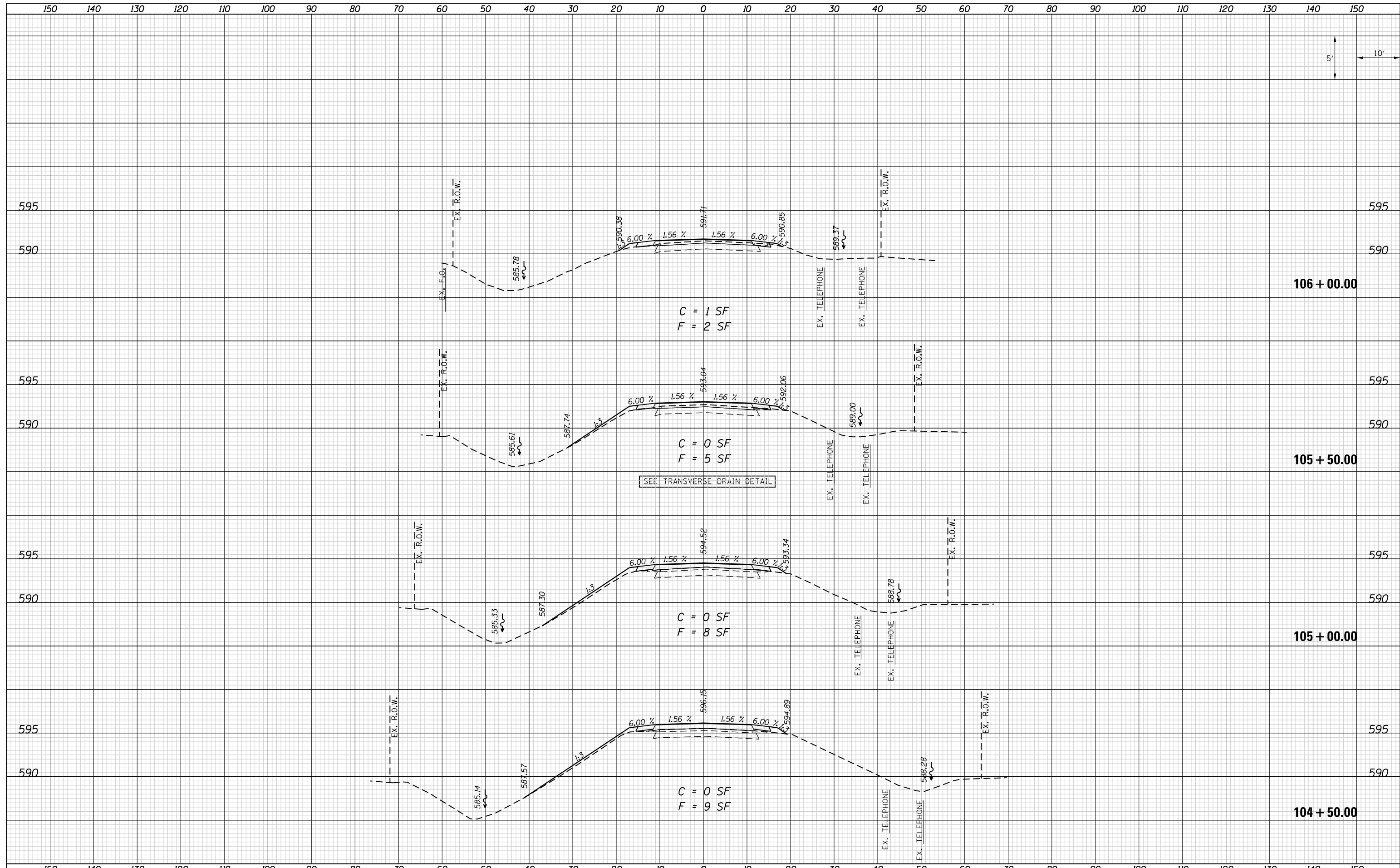
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10'
 SHEET 12 OF 14 SHEETS
 STA. 103+00.00 TO STA. 104+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 54 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| NO. | |

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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| NO. | |



FILE NAME = D672H97-shr-xsec.dgn
 Default

USER NAME = jstein
 DESIGNED - JWS
 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

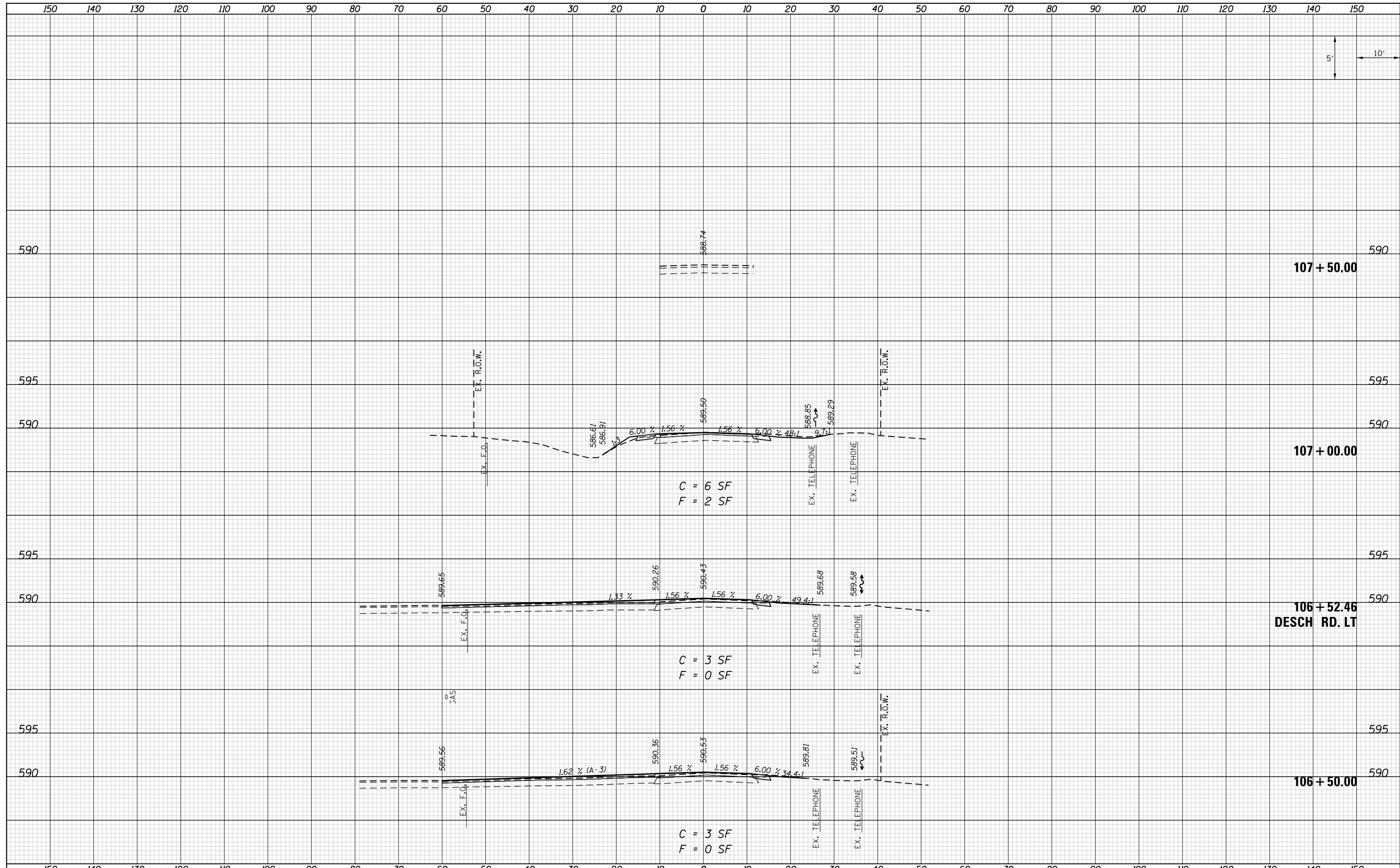
**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10'
 SHEET 13 OF 14 SHEETS
 STA. 104+50.00 TO STA. 106+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 55 |
| CONTRACT NO. 72H97 | | | | |

| | |
|------------------|--|
| DATE | |
| BY | |
| FINAL SURVEY NO. | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |

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|---------------------|--|
| DATE | |
| BY | |
| ORIGINAL SURVEY NO. | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |



FILE NAME = D672H97-shr-xsec.dgn
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USER NAME = jstein
 DESIGNED - JWS
 DRAWN - EKS
 CHECKED - SJK
 DATE - AUG 2016
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/3/2016

REVISED -
 REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CH 16 (DAWSON ROAD)**

SCALE: 1"=10' SHEET 14 OF 14 SHEETS STA. 106+50.00 TO STA. 107+50.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|----------|--------------|-----------|
| 72 | • | SANGAMON | 56 | 56 |
| CONTRACT NO. 72H97 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |