

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	1
FEDERAL AID PROJECT		ILLINOIS	CONTRACT NO. 97683	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES AND COMMITMENTS
- 3-5 SUMMARY OF QUANTITIES
- 6-11 TYPICAL SECTIONS
- 12-13 SCHEDULE OF QUANTITIES
- 14-17 PLAN AND PROFILE SHEETS
- 18-21 STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
- 22-24 EROSION AND SEDIMENT CONTROL DETAILS
- 25-26 PAVEMENT MARKING SHEETS
- 27-28 MISCELLANEOUS DETAILS
- 29-48 STRUCTURAL SHEETS
- 49-58 CROSS SECTIONS

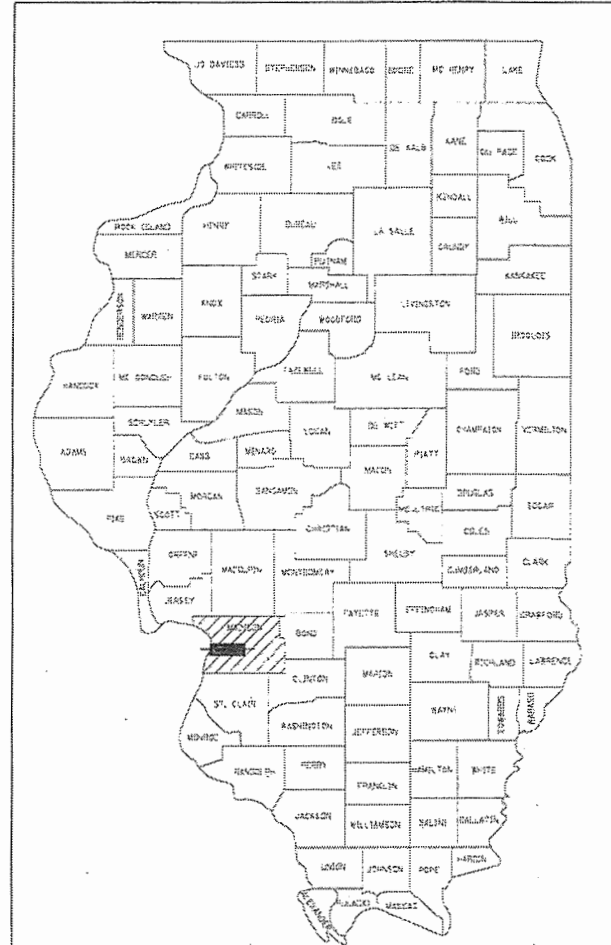
IDOT STANDARDS

000001-07	635001-02
001001-02	643001-02
001006	701006-05
280001-07	701311-03
420001-09	701502-09
420401-13	701901-08
421001-03	704001-08
515001-03	725001-01
606001-07	780001-05
630001-12	781001-04
630301-09	782006
631031-15	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**
STPBR PROGRAM

F.A.U. ROUTE 8877 (C.H. 69 - NEW POAG ROAD)
SECTION 15-00113-03-BR
PROJECT NO. CZTF (466)
**NEW POAG ROAD BRIDGE REHABILITATION
MADISON COUNTY**

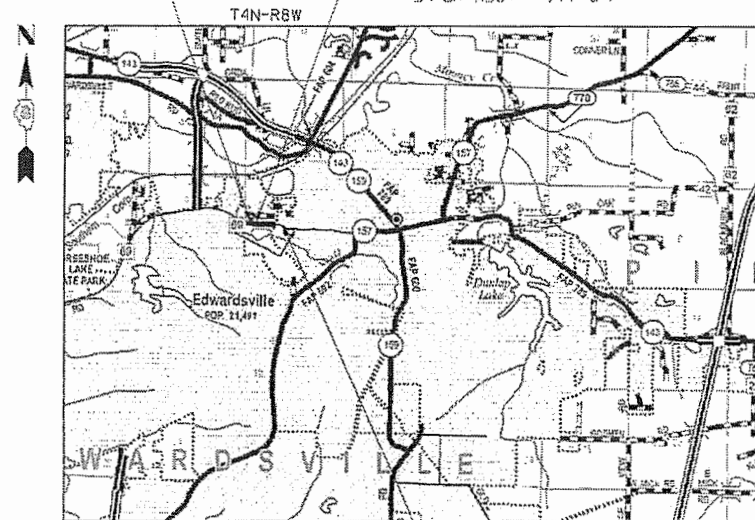
C-98-302-16



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

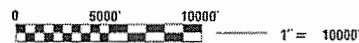
STRUCTURE DESCRIPTION 060-0183
REMOVE EXISTING THREE-SPAN
NEW POAG ROAD BRIDGE SUPERSTRUCTURE
AND REPLACE WITH GALVANIZED STEEL
WIDE FLANGE GIRDERS AND COMPOSITE
DECK. EXISTING BRIDGE SUBSTRUCTURE
TO BE USED IN-PLACE AND ABUTMENTS
CONVERTED TO SEMI-INTEGRAL.
(CARRYING NEW POAG ROAD OVER MCT COSHEY TRAIL
BK-BK ABUT = 144'-6")

BEGIN PROJECT
STA 300+72.31

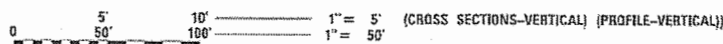


END PROJECT
STA 317+24.15

LOCATION MAP



GROSS LENGTH = 1651.84 FT. = 0.313 MILE
NET LENGTH = 1651.84 FT. = 0.313 MILE
CONSTRUCTION YEAR ADT (2019) = 5,151
DESIGN YEAR ADT (2039) = 7,654
DESIGN SPEED / POSTED SPEED = 45 MPH / 45 MPH
FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL (URBAN)



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: 12-20-18 DATE
M. A. [Signature]
MADISON COUNTY ENGINEER

PASSED: December 31, 2018 DATE
[Signature]
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: December 31, 2018 DATE
[Signature]
REGION 5 ENGINEER

SIGNATURE: [Signature]
DATE SIGNED: 12/20/18

LICENSE EXPIRATION DATE: 11/30/19

SEAL APPLIES TO SHEETS 1 THRU 28 AND SHEETS 49 THRU 58

SEAL

Copyright CMT, Inc. CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500

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

GENERAL NOTES

- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. ILLINOIS LAW REQUIRES A MINIMUM 48-HOUR NOTICE TO ALL UTILITY COMPANIES BEFORE DIGGING. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123 AND PROVIDING 48 HOURS ADVANCE NOTICE. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED BELOW.
- ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.
- THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE PROJECT LIMITS WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. ALL ARE MEMBERS OF J.U.L.I.E., UNLESS NOTED OTHERWISE.

CITY OF EDWARDSVILLE (WATER)
200 EAST PARK STREET
EDWARDSVILLE, IL 62025
PHONE: (618) 692-7535

AT&T (TELEPHONE / COMMUNICATIONS)
160 WEST DIVISION
MARYVILLE, IL 62062
PHONE: (618) 346-6426

AMEREN IP (GAS AND ELECTRIC)
2600 NORTH CENTER STREET
P.O. BOX 378, MC 0-10
MARYVILLE, IL 62062-0378
PHONE: (618) 346-1228

- THE ABOVE INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO THE LOCAL AGENCY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN PREPARING HIS/HER BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY THE SAME.
- THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- ANY REFERENCE WITHIN THESE PLANS TO A STANDARD SHALL BE INTERPRETED TO MEAN THE EDITION INDICATED BY THE SUB-NUMBER LISTED ON THE COVER SHEET.
- THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNERS OF THE EXISTING ENTRANCES AND SHALL PROVIDE ACCESS TO THEM AS REQUIRED.
- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

SEEDING FERTILIZER RATIO (NIT:PHOS:POT)	90:90:90 LBS./AC.
AGRICULTURAL GROUND LIMESTONE	2.00 TONS/AC.
MULCH	2.00 TONS/AC.
TEMPORARY EROSION CONTROL SEEDING	100 LBS./ACRE
ALL AGGREGATE	2.05 TONS/CU.YD.
BITUMINOUS MATERIAL (TACK COAT)	0.05 POUND/SQ. FT.
HOT MIX ASPHALT	112 LBS./SQ. YD./IN.
- ALL TIE BARS AND REINFORCEMENT BARS USED ON THIS PROJECT SHALL BE EPOXY COATED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE CONSTRUCTION LIMITS LINE SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. FERTILIZER, SEEDING, AND MULCH WITHIN THE CONSTRUCTION LIMITS WILL BE PAID FOR AS PROVIDED IN THE CONTRACT. FERTILIZER, SEEDING AND MULCH OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT. SEE THE SEEDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.
- NO TRUCKS ALLOWED ON ST. LOUIS STREET. ALL EQUIPMENT AND MATERIAL FOR THE PROJECT SHALL BE TRANSPORTED ON NEW POAG ROAD FROM/TO THE WEST UNLESS OTHERWISE APPROVED BY THE ENGINEER AND THE CITY OF EDWARDSVILLE.

COMMITMENTS

- THE CONTRACTOR SHALL PROTECT THE MCT GOSHEN TRAIL FROM DAMAGE AT ALL TIMES. ANY DAMAGES DONE TO THE TRAIL DUE TO CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER COST.

MIXTURE REQUIREMENTS

MISTURE USE	SURFACE
AC/PG	PG 64-22
RAP % (MAX)	SEE SPEC
DESIGN AIR VOIDS	4.0% @ Ndes = 90
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5 OR IL-12.5
FRICTION AGG.	MIXTURE D
MIXTURE WEIGHT	112 LB/SQ YD/IN

NOTE:
LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE LIFT.

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	575
25000200	SEEDING, CLASS 2	ACRE	0.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	41
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	41
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	41
25100115	MULCH, METHOD 2	ACRE	1.00
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	46
28000400	PERIMETER EROSION BARRIER	FOOT	2265
28000500	INLET AND PIPE PROTECTION	EACH	1
28100105	STONE RIPRAP, CLASS A3	SQ YD	890
28200200	FILTER FABRIC	SQ YD	890
31100500	SUBBASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	225
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	272
40600990	TEMPORARY RAMP	SQ YD	78

* SPEICAL PROVISION

** SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	137
42000060	WELDED WIRE REINFORCEMENT	SQ YD	177
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	261
* 44000100	PAVEMENT REMOVAL	SQ YD	505
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	19
* 44004250	PAVED SHOULDER REMOVAL	SQ YD	561
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	397
* 50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
50102400	CONCRETE REMOVAL	CU YD	28.3
50157300	PROTECTIVE SHIELD	SQ YD	392
50200100	STRUCTURE EXCAVATION	CU YD	311
50300225	CONCRETE STRUCTURES	CU YD	34.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	352.3
50300300	PROTECTIVE COAT	SQ YD	377

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	149.4
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	6948
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	137230
50800515	BAR SPLICERS	EACH	714
** 50901720	BICYCLE RAILING	FOOT	343
** 50901750	PARAPET RAILING	FOOT	343
51500100	NAME PLATES	EACH	1
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	36
52100520	ANCHOR BOLTS, 1"	EACH	96
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	112
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	823
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	308
59000200	EPOXY CRACK INJECTION	FOOT	8

* SPEICAL PROVISION

** SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	115
59300100	CONTROLLED LOW-STRENGHT MATERIAL	CU YD	1.7
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	326.0
** 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1737.5
** 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
** 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	2103
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	480
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	160
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	62
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12239
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	63
70400100	TEMPORARY CONCRETE BARRIER	FOOT	675.0

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\...	DRAWN - AJK	CHECKED - KPF	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 1/4/2019 (8:11:05 AM)	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	4
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
70400200	RELOCATED TEMPORARY CONCRETE BARRIER	FOOT	575.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
** 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
** 78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	62
** 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4737
** 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	63
** 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	46
** 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16
** 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	1
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	34
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	3
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	987
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	247

* SPEICAL PROVISION

** SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
X0322194	POLYMER MODIFIED PORTLAND CEMENT MORTAR	SQ FT	8
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1464
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
* X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2057

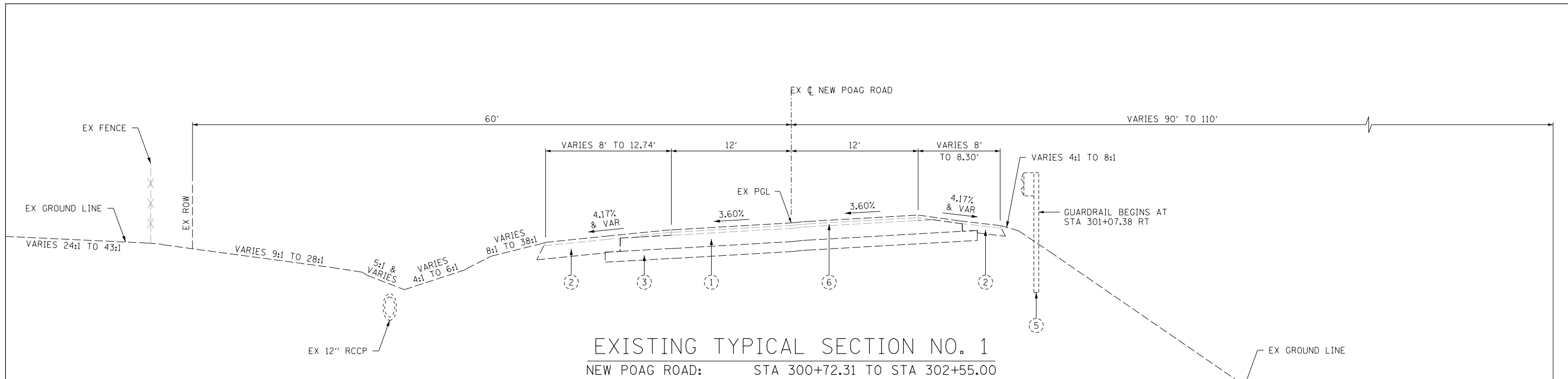
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\Madison\County\164013280\Draw\CADD\Sheets\...		DRAWN - AJK	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - KPF	REVISED -
	PLOT DATE = 1/4/2019 10:11:53 AM	DATE - 1/4/2019 10:11:53 AM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

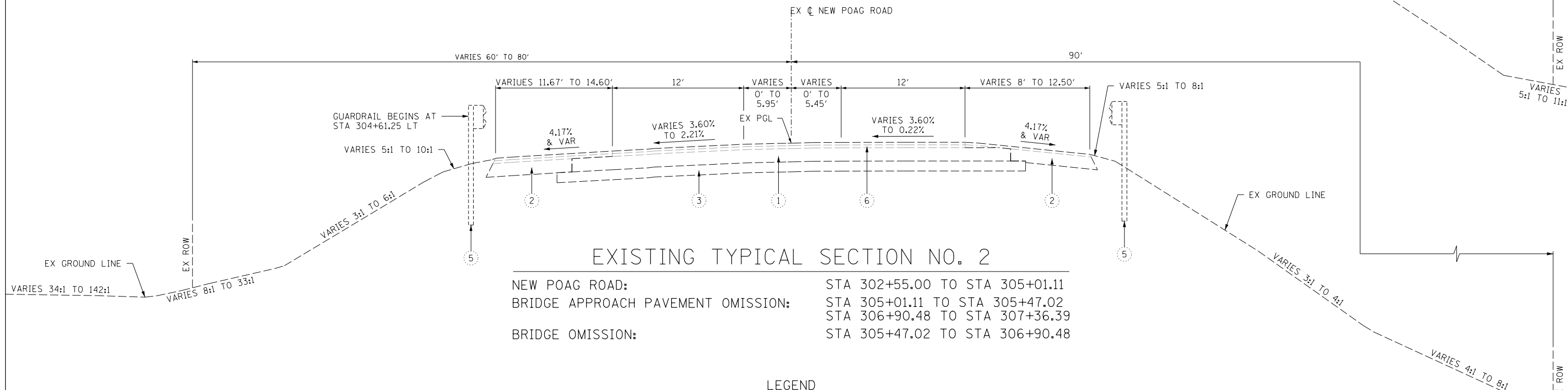
SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	5
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION NO. 1
 NEW POAG ROAD: STA 300+72.31 TO STA 302+55.00



EXISTING TYPICAL SECTION NO. 2
 NEW POAG ROAD: STA 302+55.00 TO STA 305+01.11
 BRIDGE APPROACH PAVEMENT OMISSION: STA 305+01.11 TO STA 305+47.02
 BRIDGE OMISSION: STA 306+90.48 TO STA 307+36.39
 BRIDGE OMISSION: STA 305+47.02 TO STA 306+90.48

LEGEND

- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS SHOULDERS, 8"
- ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 6"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑤ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑥ EXISTING HMA OVERLAY, 3 1/4" AND VARIES
- ⑦ PROPOSED PAVED SHOULDER REMOVAL
- ⑧ PROPOSED STEEL PLATE BEAM GUARDRAIL
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8"
- ⑩ PROPOSED GUARDRAIL REMOVAL
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

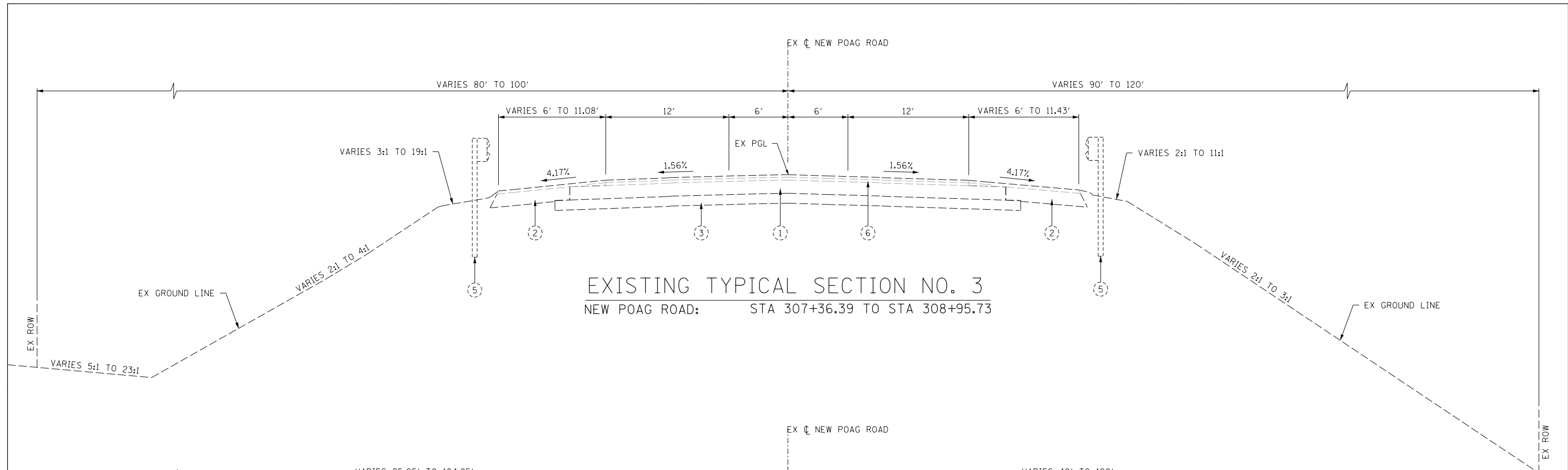
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN - AJK	REVISED -
		CHECKED - KPF	REVISED -
Default	PLOT DATE = 12/7/2018 (11:17:18 AM)	DATE - 12/7/2018 (11:17:18 AM)	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

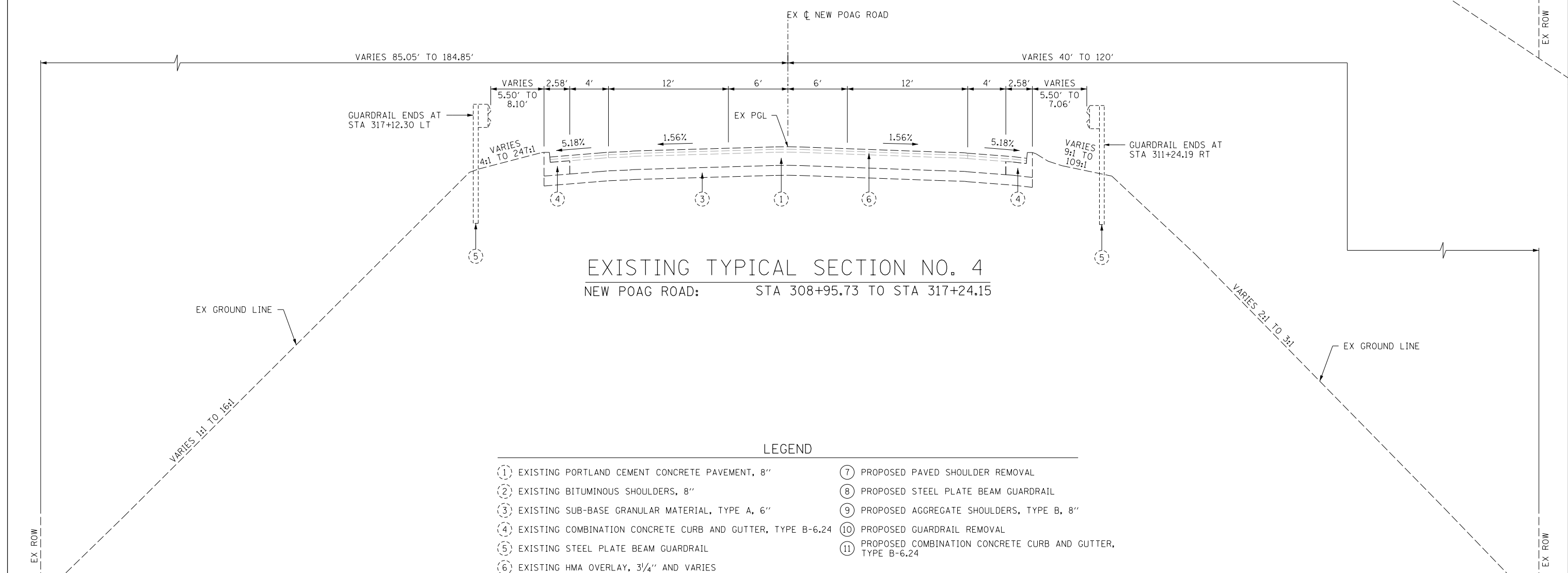
TYPICAL SECTIONS

SCALE: 1" = 5' SHEET 1 OF 6 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	6
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION NO. 3
 NEW POAG ROAD: STA 307+36.39 TO STA 308+95.73



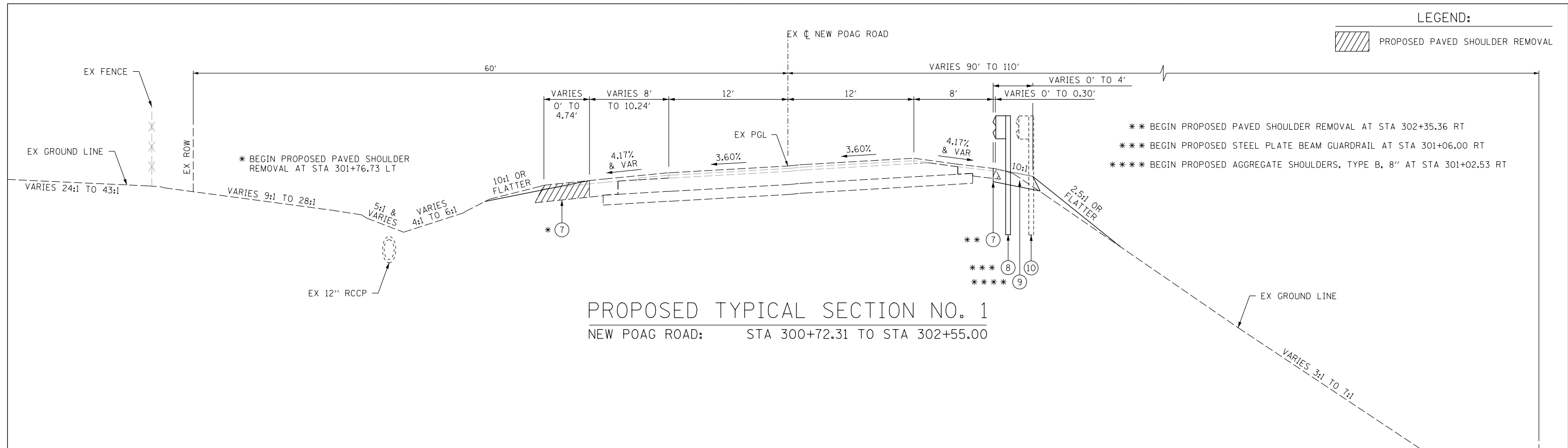
EXISTING TYPICAL SECTION NO. 4
 NEW POAG ROAD: STA 308+95.73 TO STA 317+24.15

LEGEND

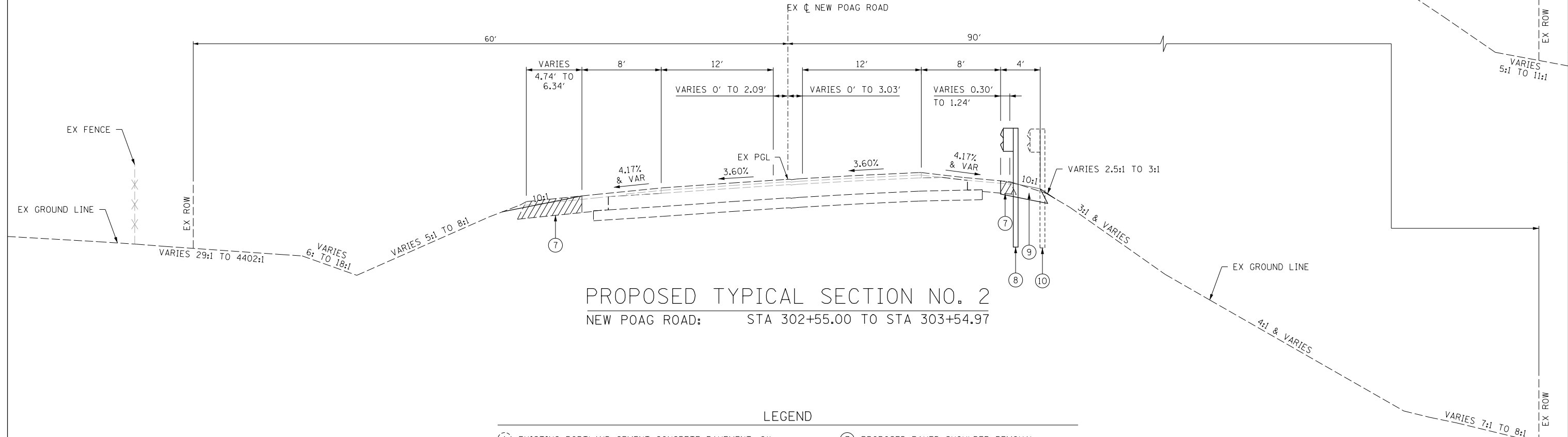
- | | |
|--|--|
| ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8" | ⑦ PROPOSED PAVED SHOULDER REMOVAL |
| ② EXISTING BITUMINOUS SHOULDERS, 8" | ⑧ PROPOSED STEEL PLATE BEAM GUARDRAIL |
| ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 6" | ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8" |
| ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | ⑩ PROPOSED GUARDRAIL REMOVAL |
| ⑤ EXISTING STEEL PLATE BEAM GUARDRAIL | ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 |
| ⑥ EXISTING HMA OVERLAY, 3/4" AND VARIES | |

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A. RTE. = 8877	SECTION = 15-00113-03-BR	COUNTY = MADISON	TOTAL SHEETS = 58	SHEET NO. = 7
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..	DRAWN - AJK	CHECKED - KPF	REVISED -		SCALE: 1" = 5'	SHEET 2 OF 6 SHEETS	STA. N/A TO STA. N/A	CONTRACT NO. 97683				
Default	PLOT SCALE = 10.0000 "/ in.	DATE - 12/7/2018 (11:17:35 AM)	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 12/7/2018 (11:17:35 AM)	DATE - 12/7/2018 (11:17:35 AM)	REVISED -									

LEGEND:



PROPOSED TYPICAL SECTION NO. 1
NEW POAG ROAD: STA 300+72.31 TO STA 302+55.00



PROPOSED TYPICAL SECTION NO. 2
NEW POAG ROAD: STA 302+55.00 TO STA 303+54.97

LEGEND

- | | |
|--|--|
| ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8" | ⑦ PROPOSED PAVED SHOULDER REMOVAL |
| ② EXISTING BITUMINOUS SHOULDERS, 8" | ⑧ PROPOSED STEEL PLATE BEAM GUARDRAIL |
| ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 6" | ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8" |
| ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | ⑩ PROPOSED GUARDRAIL REMOVAL |
| ⑤ EXISTING STEEL PLATE BEAM GUARDRAIL | ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 |
| ⑥ EXISTING HMA OVERLAY, 3 1/4" AND VARIES | |

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN - AJK	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - KPF	REVISED -
	PLOT DATE = 12/7/2018 (11:17:48 AM)	DATE - 12/7/2018 (11:17:48 AM)	REVISED -

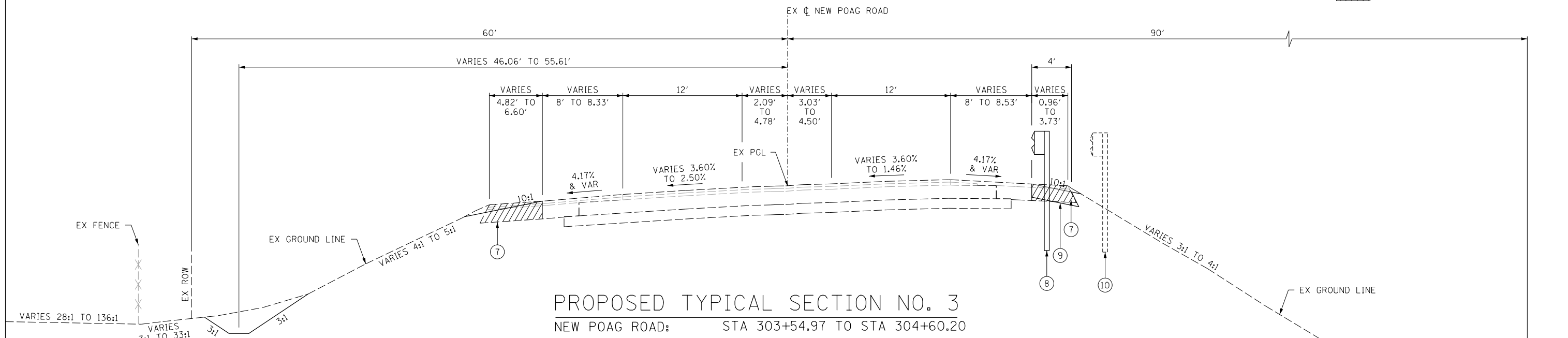
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

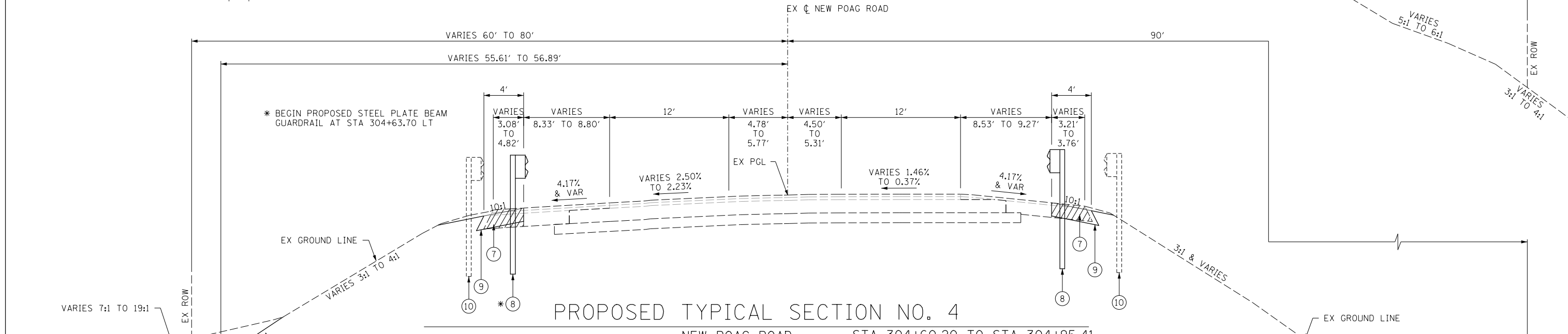
SCALE: 1" = 5' SHEET 3 OF 6 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	8
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

LEGEND:



PROPOSED TYPICAL SECTION NO. 3
 NEW POAG ROAD: STA 303+54.97 TO STA 304+60.20



PROPOSED TYPICAL SECTION NO. 4
 NEW POAG ROAD: STA 304+60.20 TO STA 304+95.41
 BRIDGE APPROACH PAVEMENT OMISSION: STA 304+95.41 TO STA 305+17.53
 BRIDGE APPROACH PAVEMENT OMISSION: STA 307+19.97 TO STA 307+42.09
 BRIDGE OMISSION: STA 305+17.53 TO STA 305+47.53
 BRIDGE OMISSION: STA 306+89.97 TO STA 307+19.97
 BRIDGE OMISSION: STA 305+47.53 TO STA 306+89.97

LEGEND

- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS SHOULDERS, 8"
- ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 6"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑤ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑥ EXISTING HMA OVERLAY, 3/4" AND VARIES
- ⑦ PROPOSED PAVED SHOULDER REMOVAL
- ⑧ PROPOSED STEEL PLATE BEAM GUARDRAIL
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8"
- ⑩ PROPOSED GUARDRAIL REMOVAL
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN - AJK	REVISED -
	PLOT SCALE = 10.0000' / in.	CHECKED - KPF	REVISED -
Default	PLOT DATE = 12/7/2018 (11:18:05 AM)	DATE - 12/7/2018 (11:18:05 AM)	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

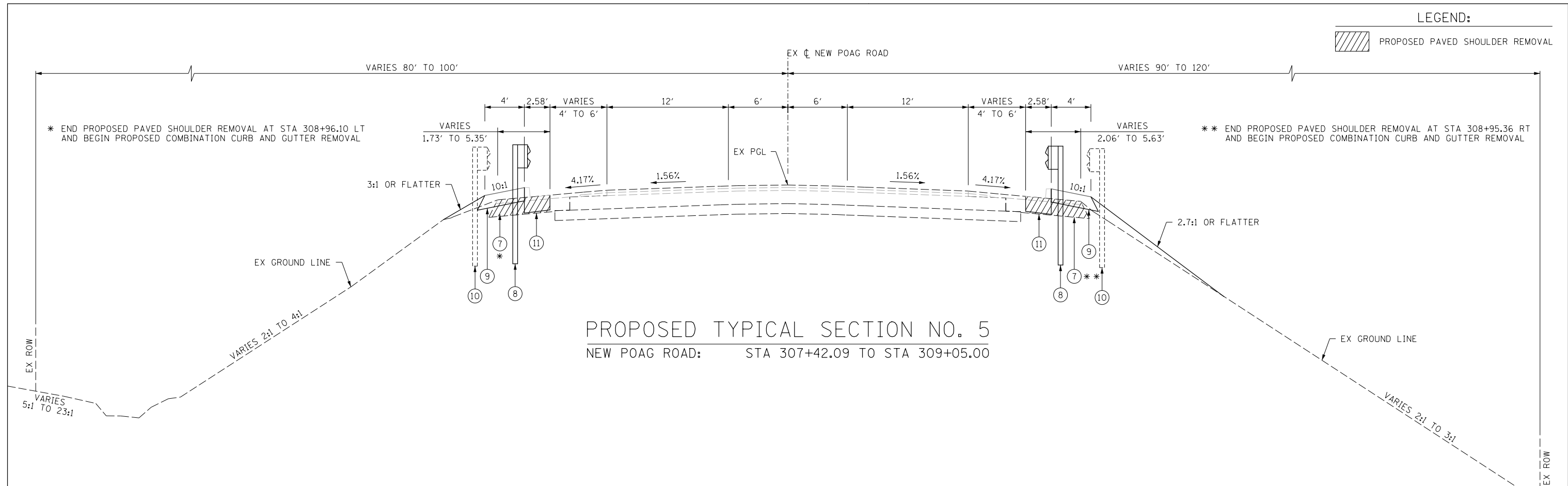
TYPICAL SECTIONS

SCALE: 1" = 5' SHEET 4 OF 6 SHEETS STA. N/A TO STA. N/A

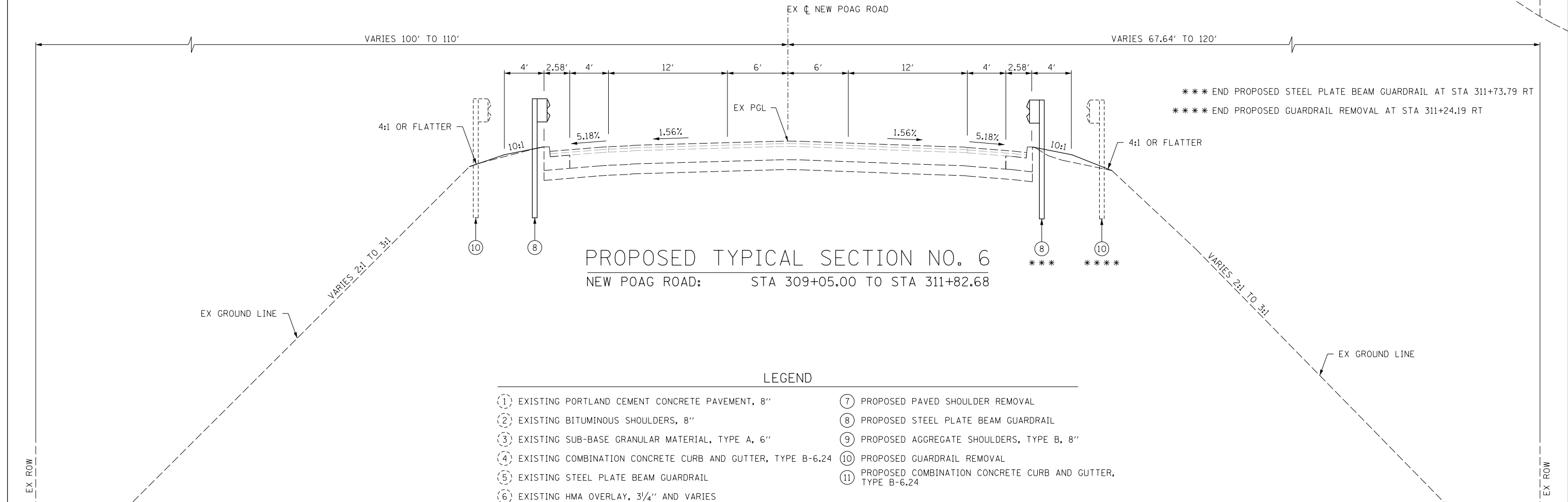
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	9
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

LEGEND:



PROPOSED TYPICAL SECTION NO. 5
NEW POAG ROAD: STA 307+42.09 TO STA 309+05.00

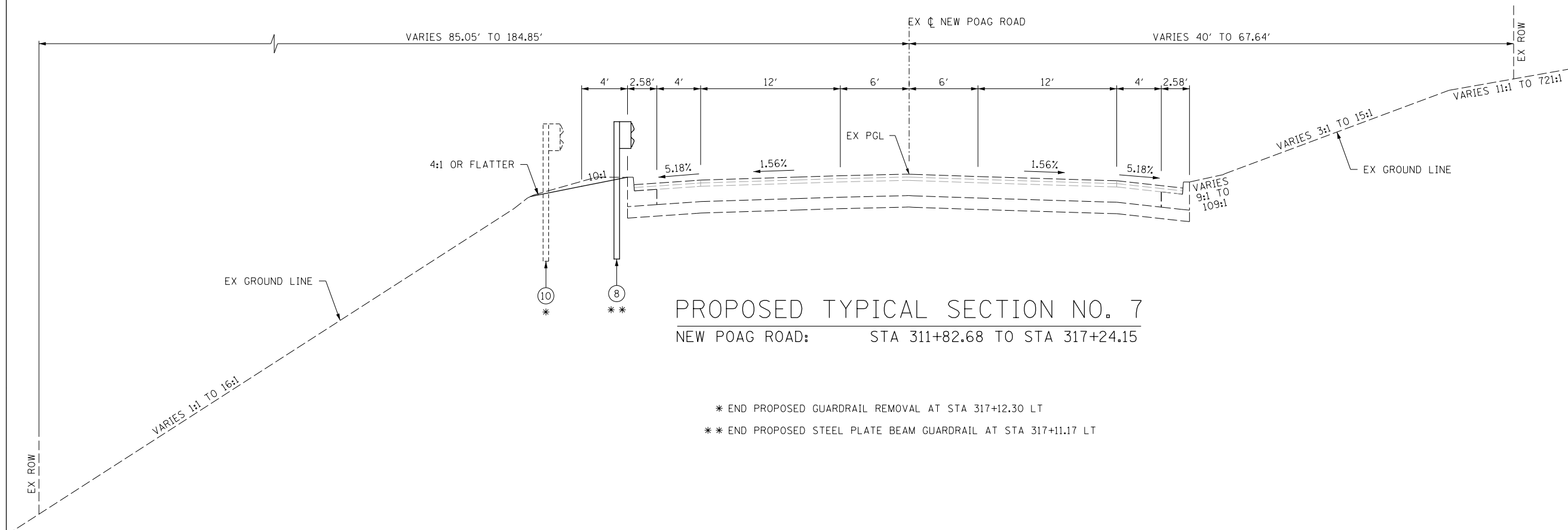


PROPOSED TYPICAL SECTION NO. 6
NEW POAG ROAD: STA 309+05.00 TO STA 311+82.68

LEGEND

- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ⑦ PROPOSED PAVED SHOULDER REMOVAL
- ② EXISTING BITUMINOUS SHOULDERS, 8"
- ⑧ PROPOSED STEEL PLATE BEAM GUARDRAIL
- ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 6"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑩ PROPOSED GUARDRAIL REMOVAL
- ⑤ EXISTING STEEL PLATE BEAM GUARDRAIL
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ EXISTING HMA OVERLAY, 3/4" AND VARIES

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A. RTE. 8877	SECTION 15-00113-03-BR	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 10	
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..	DRAWN - AJK	CHECKED - KPF	REVISED -			CONTRACT NO. 97683					
Default	PLOT SCALE = 10.0000' / in.	DATE - 12/7/2018 (11:18:20 AM)	REVISED -			ILLINOIS FED. AID PROJECT					
	PLOT DATE = 12/7/2018 (11:18:20 AM)	DATE - 12/7/2018 (11:18:20 AM)	REVISED -			SCALE: 1" = 5' SHEET 5 OF 6 SHEETS STA. N/A TO STA. N/A					



PROPOSED TYPICAL SECTION NO. 7
 NEW POAG ROAD: STA 311+82.68 TO STA 317+24.15

* END PROPOSED GUARDRAIL REMOVAL AT STA 317+12.30 LT
 ** END PROPOSED STEEL PLATE BEAM GUARDRAIL AT STA 317+11.17 LT

LEGEND

- | | |
|--|--|
| ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8" | ⑦ PROPOSED PAVED SHOULDER REMOVAL |
| ② EXISTING BITUMINOUS SHOULDERS, 8" | ⑧ PROPOSED STEEL PLATE BEAM GUARDRAIL |
| ③ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 6" | ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8" |
| ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | ⑩ PROPOSED GUARDRAIL REMOVAL |
| ⑤ EXISTING STEEL PLATE BEAM GUARDRAIL | ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 |
| ⑥ EXISTING HMA OVERLAY, 3/4" AND VARIES | |

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..	DRAWN - AJK	CHECKED - KPF	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DATE - 12/7/2018 (11:18:37 AM)	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: 1" = 5' SHEET 6 OF 6 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	11
				CONTRACT NO. 97683
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION	EMBANKMENT	• EXCAVATION TO BE USED AS EMBANKMENT (ADJUSTED FOR SHRINKAGE) 25%	•• EARTHWORK BALANCE EXCESS (+) SHORTAGE (-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)
NEW POAG ROAD:				
STA 300+72.31 TO STA 317+24.15	200	160	150	-10
WEST ABUTMENT SPILL SLOPE UNDER BRIDGE:				
STA 305+50.99 TO STA 305+91.71	247	28	185	+157
EAST ABUTMENT SPILL SLOPE UNDER BRIDGE:				
STA 306+45.79 TO STA 306+86.51	128	6	96	+90
TOTALS	575	194	431	+237

ASSUMED SHRINKAGE FACTOR OF 25%

- EARTH EXCAVATION TO BE USED AS EMBANKMENT = EARTH EXCAVATION × 0.75
- EARTHWORK BALANCE = [EMBANKMENT - (EARTH EXCAVATION × 0.75)]

SEEDING SCHEDULE					
LOCATION	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2
	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)
NEW POAG ROAD:					
STA 300+72.31 RT TO STA 305+20.66 RT	0.079	7.1	7.1	7.1	0.079
STA 301+76.73 LT TO STA 305+06.41 LT	0.062	5.5	5.5	5.5	0.062
STA 303+54.97 LT TO STA 305+08.64 LT	0.031	2.8	2.8	2.8	0.031
STA 305+12.41 LT TO STA 305+37.81 LT	0.006	0.5	0.5	0.5	0.006
STA 305+26.66 RT TO STA 305+56.30 RT	0.006	0.5	0.5	0.5	0.006
STA 306+81.27 LT TO STA 313+00.96 LT	0.095	8.5	8.5	8.5	0.095
STA 306+99.78 RT TO STA 311+83.39 RT	0.093	8.3	8.3	8.3	0.093
STA 313+04.03 LT TO STA 317+31.66 LT	0.087	7.8	7.8	7.8	0.087
TOTALS	0.50	41	41	41	0.50

STONE RIPRAP SCHEDULE		
LOCATION	STONE RIPRAP, CLASS A3	FILTER FABRIC
	(SQ YD)	(SQ YD)
NEW POAG ROAD:		
STA 305+09.41 LT	20.7	20.7
STA 305+23.66 RT	11.0	11.0
TOTALS	32	32

REMOVAL SCHEDULE				
LOCATION	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	PAVED SHOULDER REMOVAL	GUARDRAIL REMOVAL
	(SQ YD)	(FOOT)	(SQ YD)	(FOOT)
NEW POAG ROAD:				
STA 301+07.38 RT TO STA 305+81.02 RT				477.6
STA 301+76.73 LT TO STA 305+41.12 LT			214.5	
STA 302+35.56 RT TO STA 305+55.05 RT			101.3	
STA 304+60.78 LT TO STA 305+64.59 LT				104.3
STA 304+95.41 TO STA 305+47.02	252.2			
STA 306+56.69 LT TO STA 317+12.30 LT				1069.6
STA 306+72.97 RT TO STA 311+24.19 RT				451.3
STA 306+82.46 LT TO STA 308+96.10 LT			122.1	
STA 308+95.36 RT TO STA 309+05.00 RT		9.7		
STA 308+96.10 LT TO STA 309+05.00 LT		8.9		
STA 306+96.38 RT TO STA 308+95.36 RT			123.1	
STA 306+90.48 TO STA 307+42.09	252.3			
TOTALS	505	19	561	2103

TEMPORARY EROSION CONTROL SCHEDULE				
LOCATION	TEMPORARY EROSION CONTROL SEEDING	MULCH, METHOD 2	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
	(POUND)	(ACRE)	(FOOT)	(EACH)
NEW POAG ROAD:				
STA 300+68.97 RT TO STA 305+20.66 RT			468.2	
STA 300+72.31 RT TO STA 305+20.66 RT	7.9	0.079		
STA 301+76.69 LT TO STA 303+55.29 LT			177.0	
STA 301+76.73 LT TO STA 305+06.41 LT	6.2	0.062		
STA 303+54.97, 46.06' LT				1
STA 303+54.97 LT TO STA 305+06.41 LT	3.1	0.031		
STA 305+12.41 LT TO STA 305+37.81 LT	0.6	0.006	26.8	
STA 305+26.66 RT TO STA 305+56.30 RT	0.6	0.006	32.6	
STA 306+81.27 LT TO STA 313+00.59 LT	9.5	0.095	624.8	
STA 307+00.36 RT TO STA 311+83.39 RT	9.3	0.093	488.2	
STA 313+04.03 LT TO STA 317+31.66 LT	8.7	0.087	447.2	
TOTALS	46	0.50	2265	1

CCC&G SCHEDULE	
LOCATION	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
	(FOOT)
NEW POAG ROAD:	
STA 307+42.09 LT TO STA 309+05.00 LT	162.9
STA 307+42.09 RT TO STA 309+05.00 RT	162.9
TOTALS	326.0

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN - AJK	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - KPF	REVISED -
	PLOT DATE = 12/7/2018 (11:28:44 AM)	DATE - 12/7/2018 (11:28:44 AM)	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: 1" = 10' SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

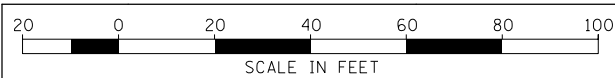
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97683	

PAVEMENT AND SHOULDERS SCHEDULE								
LOCATION	SUBBASE GRANULAR MATERIAL, TYPE A 6"	BITUMINOUS MATERIALS (TACK COAT)	TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE COURSE MIX "D", N90	LONGITUDINAL JOINT SEALANT	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	WELDED WIRE REINFORCEMENT	AGGREGATE SHOULDERS, TYPE B 8"
	(SQ YD)	(POUND)	(SQ YD)	(TON)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)
NEW POAG ROAD:								
STA 301+02.53 RT TO STA 305+20.66 RT								187.5
STA 304+60.20 LT TO STA 305+06.41 LT								20.6
STA 304+95.41 TO STA 305+02.08			39.4					
STA 304+95.41 TO STA 305+14.43	112.3	58.8						
STA 304+95.41 TO STA 305+17.53				14.6	88.6	130.7	88.5	
STA 305+12.41 LT TO STA 305+25.57 LT								5.8
STA 305+26.66 RT TO STA 305+39.50 RT								5.7
STA 306+98.00 LT TO STA 30+05.00 LT								92.0
STA 307+11.93 RT TO STA 309+05.00 RT								85.8
STA 307+19.97 TO STA 307+42.09				14.3	88.5	130.7	88.5	
STA 307+23.07 TO STA 307+42.09	112.3	57.5						
STA 307+35.42 TO STA 307+42.09			38.5					
TOTALS	225	116	78	29	177	261	177	397

WORK ZONE TRAFFIC CONTROL AND PROTECTION SCHEDULE								
LOCATION	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING REMOVAL	TEMPORARY CONCRETE BARRIER	RELOCATED TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	PAVEMENT MARKING REMOVAL - WATER BLASTING	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(SQ FT)	(EACH)
NEW POAG ROAD (STAGE 1):								
STA 301+58.34 TO STA 314+54.49	3878.5							
STA 301+58.34 TO STA 311+40.91							1248.1	
STA 301+58.34 TO STA 304+95.41		375.4						
STA 301+95.85 TO STA 311+42.81								34
STA 303+02.83 TO STA 309+85.23			675.0					
STA 303+02.83 RT					1			
STA 307+42.09 TO STA 314+54.49		474.0						
STA 309+85.23 RT					1			
NEW POAG ROAD (STAGE 2):								
STA 301+58.34 TO STA 301+68.54							6.8	
STA 301+58.34 TO STA 310+93.42		1208.0						
STA 301+58.34 TO STA 311+40.91	3623.5							
STA 303+53.08 TO STA 309+34.72				575.0				
STA 303+53.08 LT						1		
STA 309+15.01 TO STA 311+46.49							209.1	
STA 309+34.72 LT						1		
TOTALS	7502	2057	675.0	575.0	2	2	1464	34

GUARDRAIL AND MARKERS 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 REFLECTORS, TYPE A	BARRIER WALL REFLECTORS, TYPE C
	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
NEW POAG ROAD:						
STA 301+06.00 RT				1		
STA 301+06.00 RT TO STA 301+55.55 RT			1			
STA 301+06.00 RT TO STA 311+73.79 RT					7	1
STA 301+55.55 RT TO STA 305+02.60 RT	350.0					
STA 304+63.70 LT TO STA 304+88.68 LT	25.0					
STA 304+63.70 LT TO STA 317+11.17 LT					9	
STA 304+88.68 LT TO STA 305+28.07 LT		1				
STA 305+02.60 RT TO STA 305+42.00 RT		1				
STA 306+95.50 LT TO STA 307+34.90 LT		1				
STA 307+09.43 RT TO STA 307+48.83 RT		1				
STA 307+34.90 LT TO STA 316+63.62 LT	937.5					
STA 307+48.83 RT TO STA 311+73.79 RT	425.0					
STA 316+63.62 LT TO STA 317+11.17 LT			1			
STA 317+11.17 LT				1		
TOTALS	1737.5	4	2	2	16	1

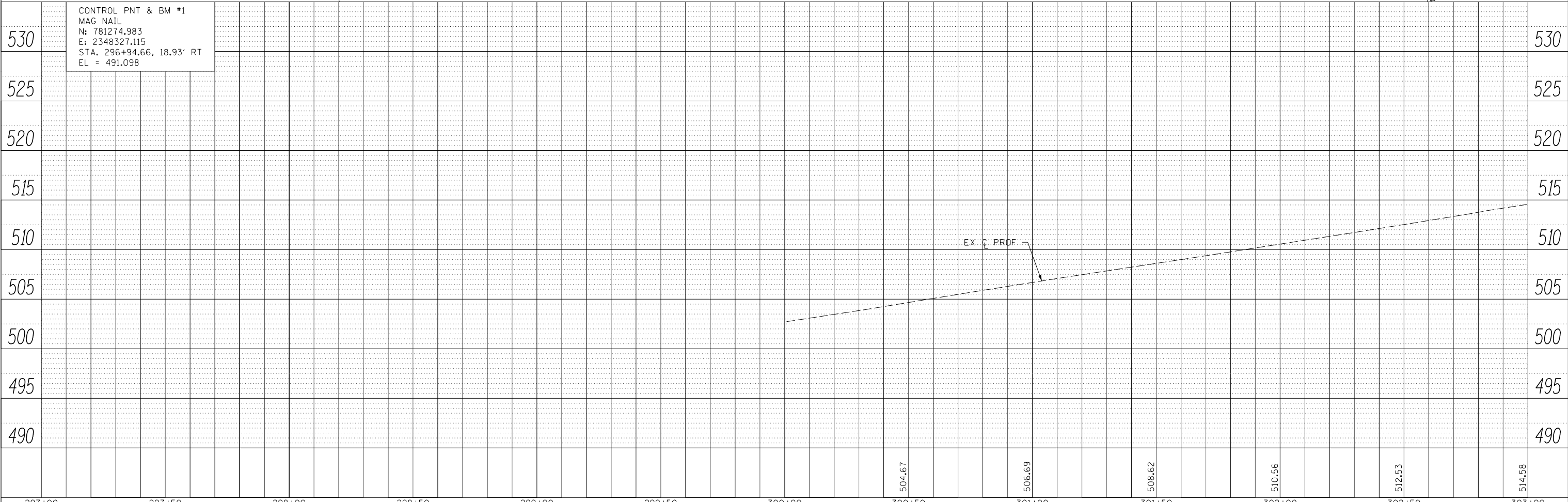
PAVEMENT MARKING AND MARKERS SCHEDULE									
LOCATION	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	RAISED REFLECTIVE PAVEMENT MARKER
	(FOOT)	(SQ FT)	(SQ YD)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)
NEW POAG ROAD:									
STA 301+58.34 TO STA 304+95.41									14
STA 301+59.96 RT TO STA 311+46.49 RT	40.0	13.3		988.4			988.4		
STA 301+76.74 LT TO STA 311+46.49 LT	40.0	13.3		968.2			968.2		
STA 301+58.34 TO STA 311+46.49	400.0	133.3		2780.6			2780.6		
STA 302+55.00 TO STA 305+25.00					63.4			63.4	
STA 305+25.16 TO STA 307+36.17									12
STA 306+71.89			31.2			31.2			
STA 307+42.09 TO STA 311+46.49									20
STA 309+21.89			31.2			31.2			
TOTALS	480	160	62	4737	63	62	4737	63	46



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.

EXIST. CURVE NEW_POAG_RD-1
 PI STA. = 298+43.07
 $\Delta = 31^\circ 12' 00''$ (LT)
 $D = 2^\circ 30' 00''$
 $R = 2,291.83'$
 $T = 639.89'$
 $L = 1,248.00'$
 $E = 87.65'$
 $e = 6.98\%$
 $T.R. = 137.70'$
 $S.E. RUN = 602.30'$
 $P.C. STA. = 292+03.18$
 $P.T. STA. = 304+51.18$

LEGEND
 PAVED SHOULDER REMOVAL



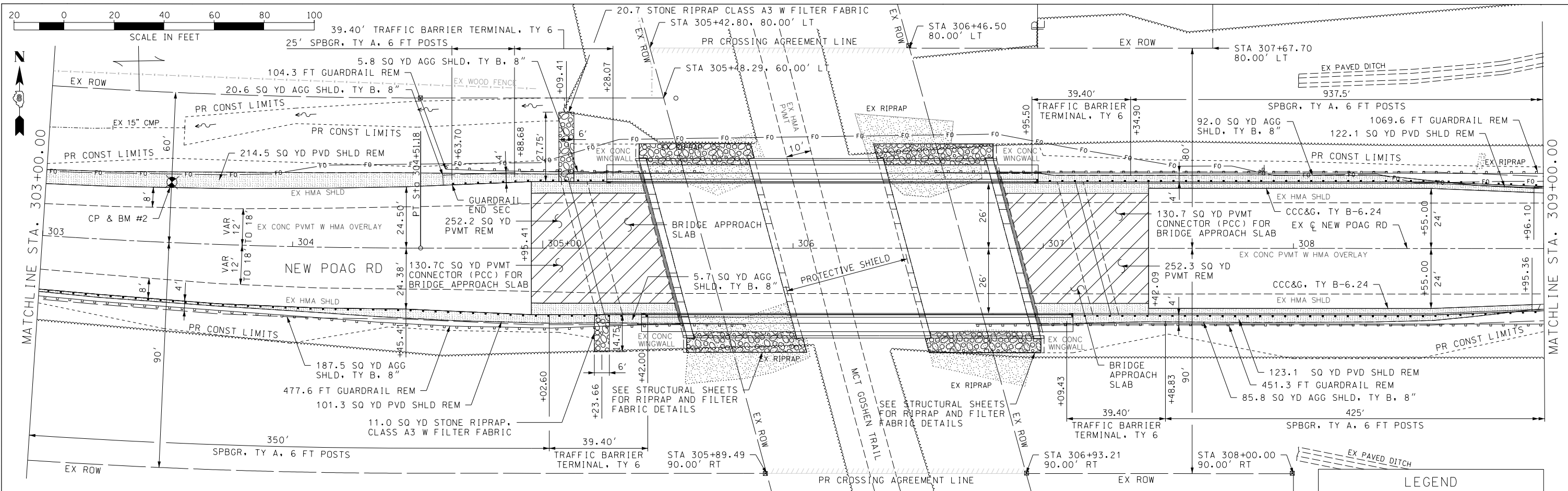
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS CHECKED	NO.

CONTROL PNT & BM #1
 MAG NAIL
 N: 781274.983
 E: 2348327.115
 STA. 296+94.66, 18.93' RT
 EL = 491.098

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

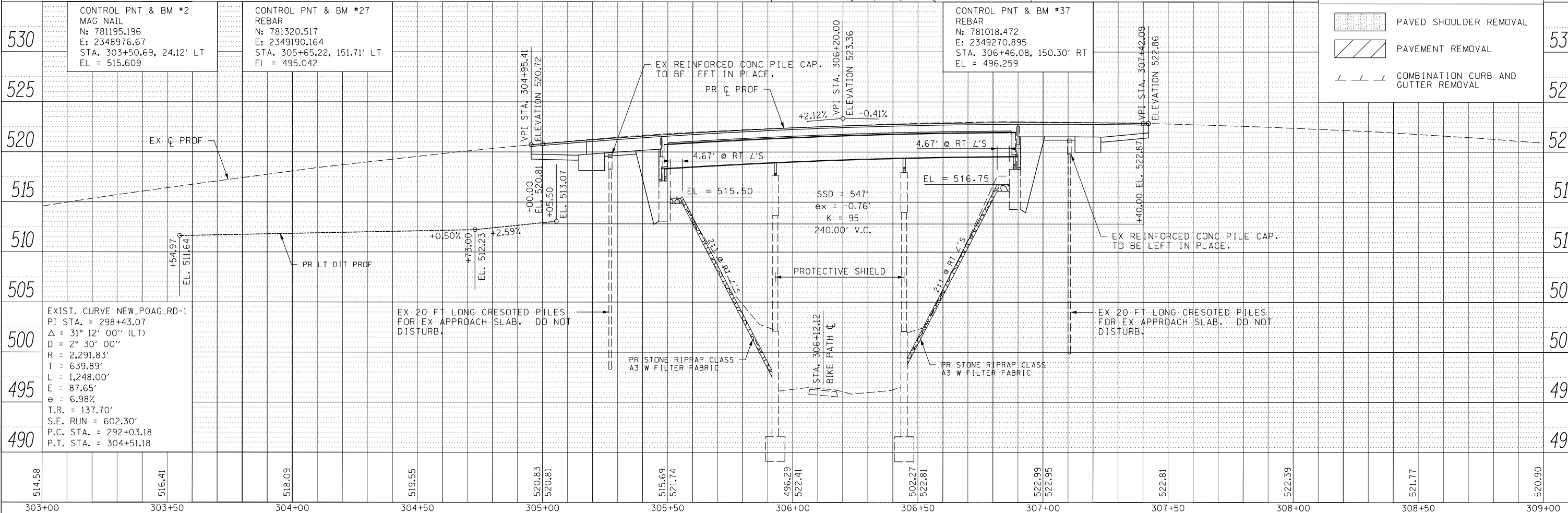
PLAN AND PROFILE SHEET

FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -	SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 297+00.00 TO STA. 303+00.00	F.A. RT. 8877 SECTION 15-00113-03-BR COUNTY MADISON TOTAL SHEETS 58 SHEET NO. 14 CONTRACT NO. 97683 ILLINOIS FED. AID PROJECT
Default	PLOT SCALE = 40.0000' / in.	DRAWN - AJK	REVISED -		
	PLOT DATE = 12/7/2018 (11:30:29 AM)	CHECKED - KPF	REVISED -		
		DATE - 12/7/2018 (11:30:29 AM)	REVISED -		



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTED	FILED
	NO.	NO.

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	STRUCTURE	NOTED
	NO.	NO.



LEGEND	
	PAVED SHOULDER REMOVAL
	PAVEMENT REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD\Sheets\		DRAWN - AJK	REVISED -
Default		CHECKED - KPF	REVISED -
		DATE - 12/7/2018 (11:30:58 AM)	REVISED -

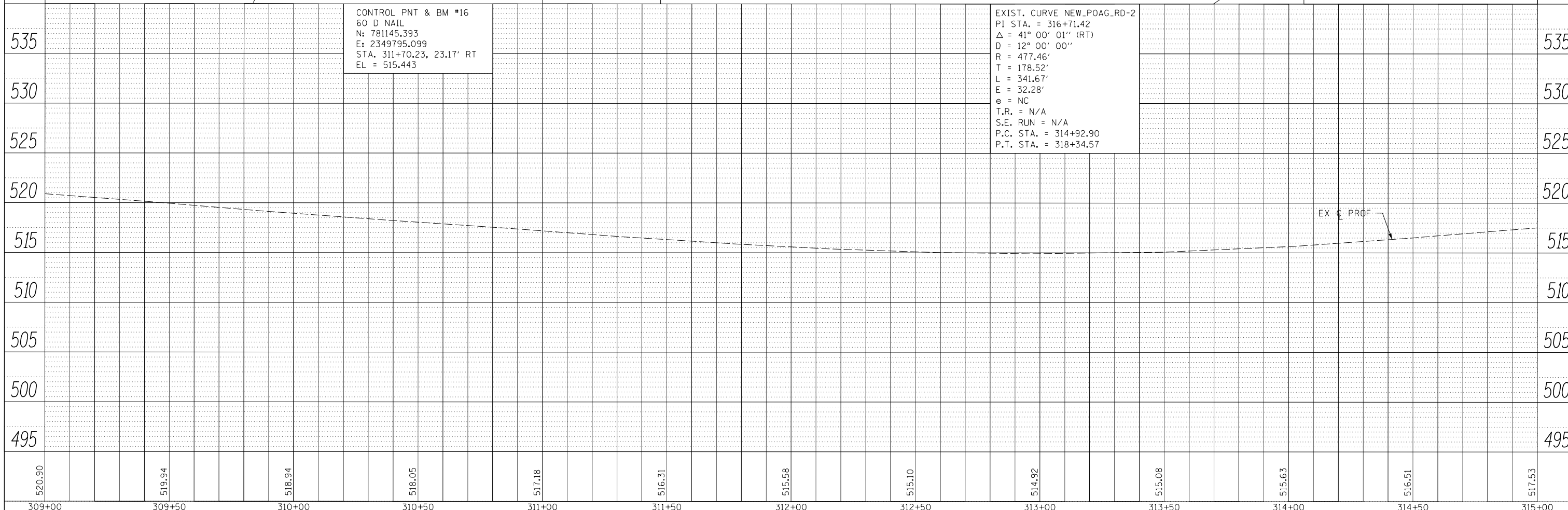
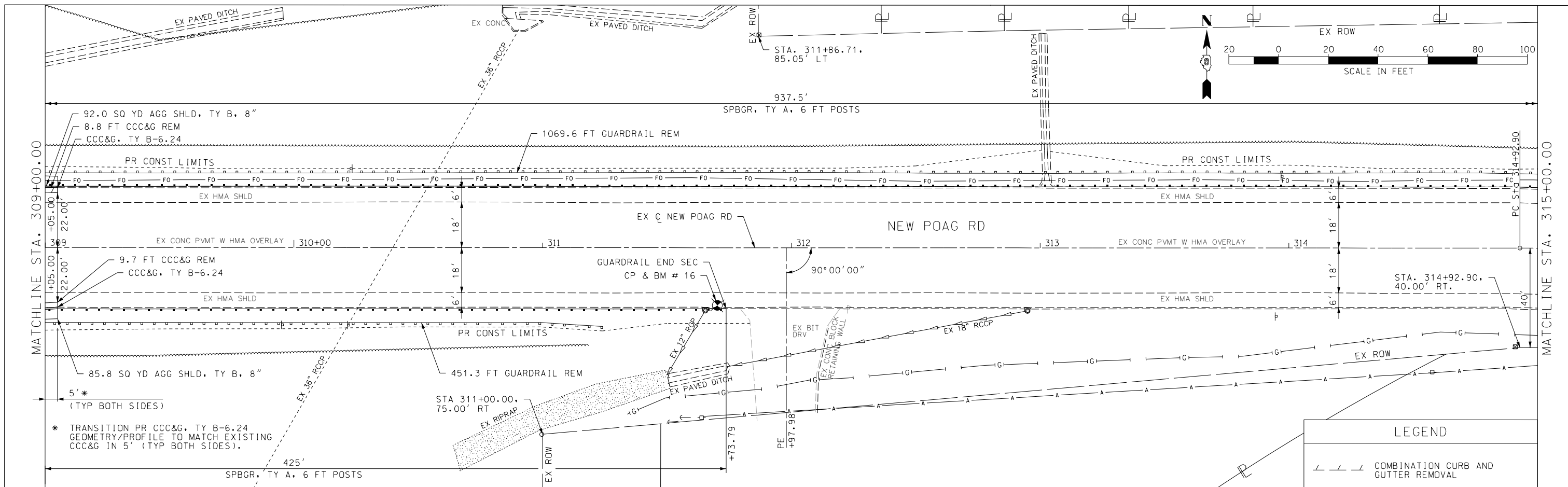
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE SHEET
SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 303+00.00 TO STA. 309+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	15
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	CHECKED
	NOTED
	FILED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	GRADES
	CHECKED
	NOTED
	STRUCTURE
	NOTATIONS
	CHKD
	NO.



FILE NAME =	USER NAME = Jack Blakemore	DESIGNED -	JWB	REVISED -	
L:\MadisonCounty\164013200\Draw\CADD\Sheets\...		DRAWN -	AJK	REVISED -	
Default		CHECKED -	KPF	REVISED -	
		DATE -	12/7/2018 (11:35:25 AM)	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

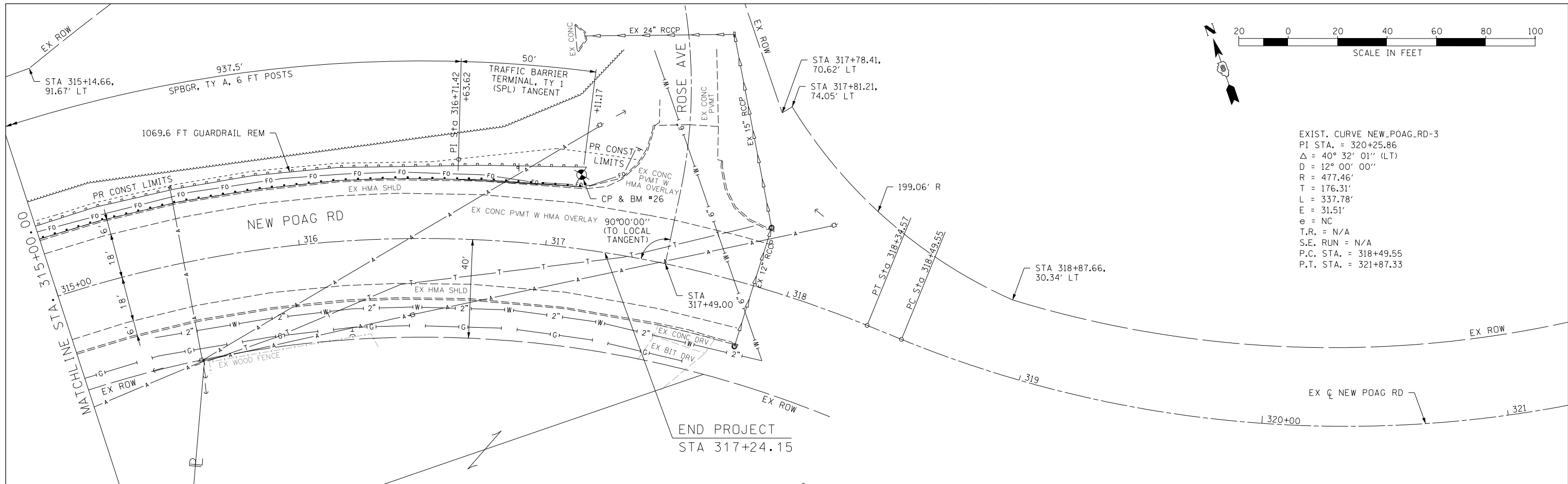
PLAN AND PROFILE SHEET

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. 309+00.00 TO STA. 315+00.00

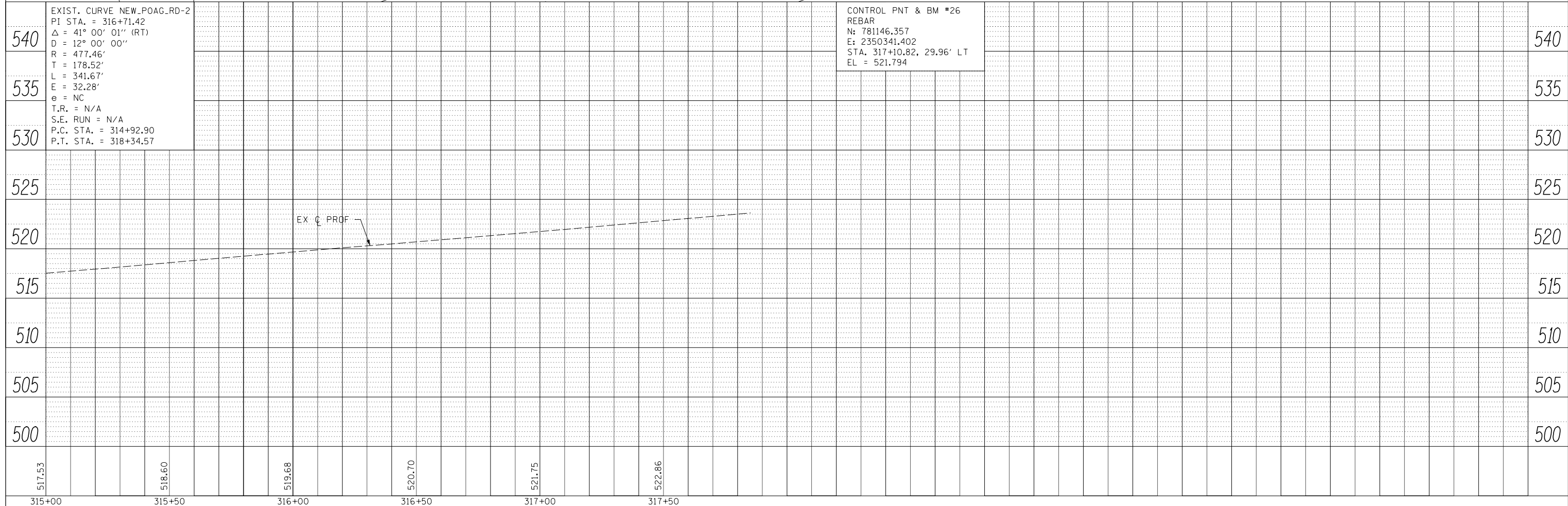
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	16
CONTRACT NO. 97683			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



EXIST. CURVE NEW_POAG_RD-3
 PI STA. = 320+25.86
 Δ = 40° 32' 01" (LT)
 D = 12° 00' 00"
 R = 477.46'
 T = 176.31'
 L = 337.78'
 E = 31.51'
 e = NC
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 318+49.55
 P.T. STA. = 321+87.33



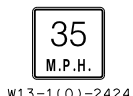
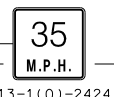
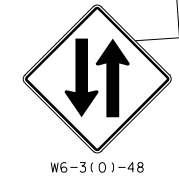
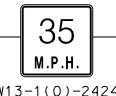
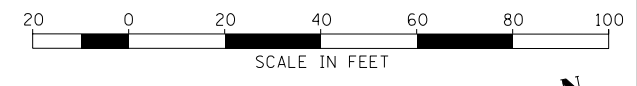
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED -	JWB	REVISED -	
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN -	AJK	REVISED -	
Default		CHECKED -	KPF	REVISED -	
		DATE -	12/7/2018 (11:35:54 AM)	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE SHEET

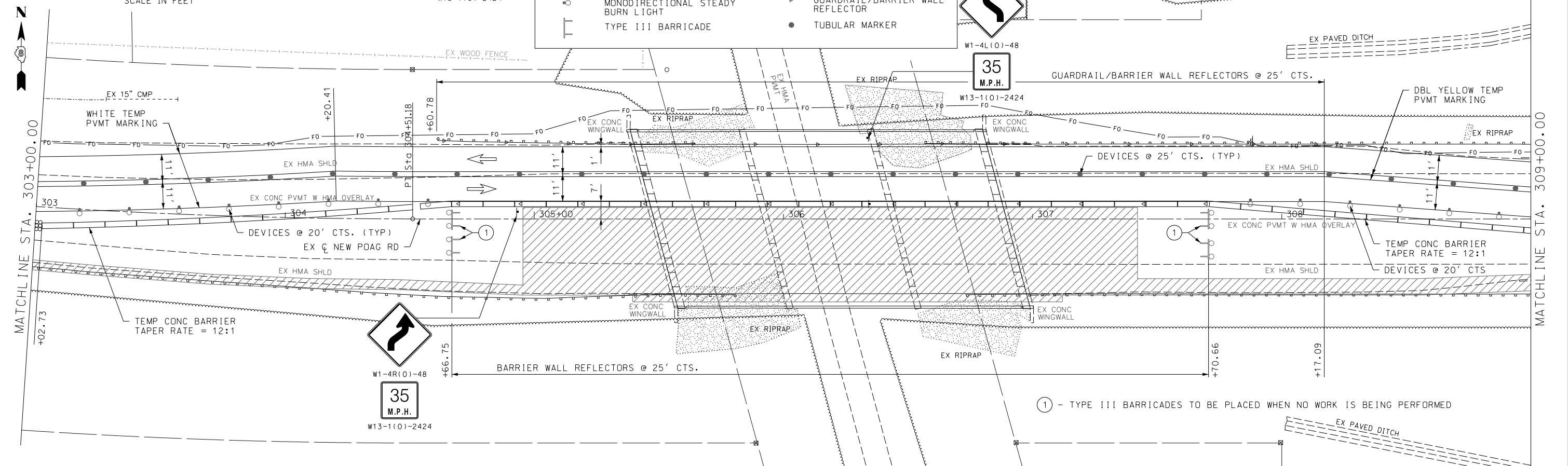
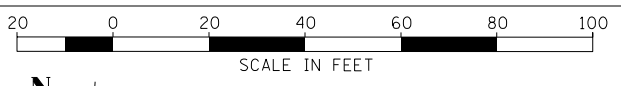
SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 315+00.00 TO STA. 321+00.00

F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	17
CONTRACT NO. 97683			ILLINOIS FED. AID PROJECT	



LEGEND

	WORK AREA		TYPE III BARRICADE WITH FLASHING LIGHTS
	TEMPORARY CONCRETE BARRIER		IMPACT ATTENUATOR
	SIGN		DRUM OR BARRICADE
	BARRICADE OR DRUM WITH MONODIRECTIONAL STEADY BURN LIGHT		CRYSTAL MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
	TYPE III BARRICADE		TUBULAR MARKER



① - TYPE III BARRICADES TO BE PLACED WHEN NO WORK IS BEING PERFORMED

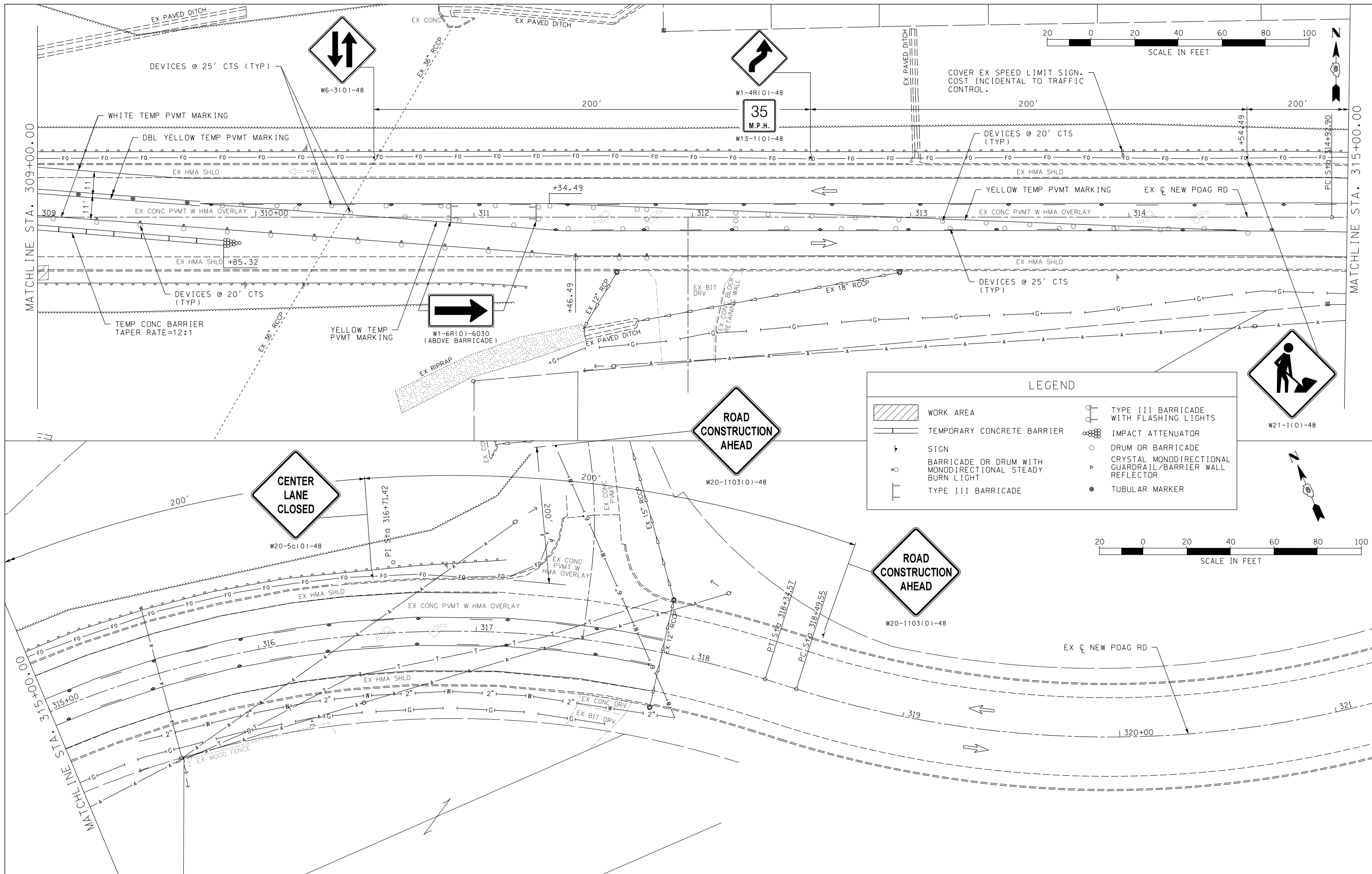
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN - AJK	REVISED -
Default		CHECKED - KPF	REVISED -
		DATE - 12/7/2018 (11:36:31 AM)	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 1**

SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 297+00.00 TO STA. 309+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	18
CONTRACT NO. 97683			ILLINOIS FED. AID PROJECT	



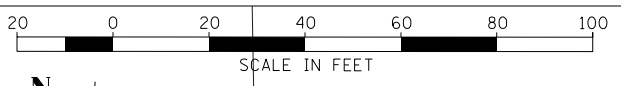
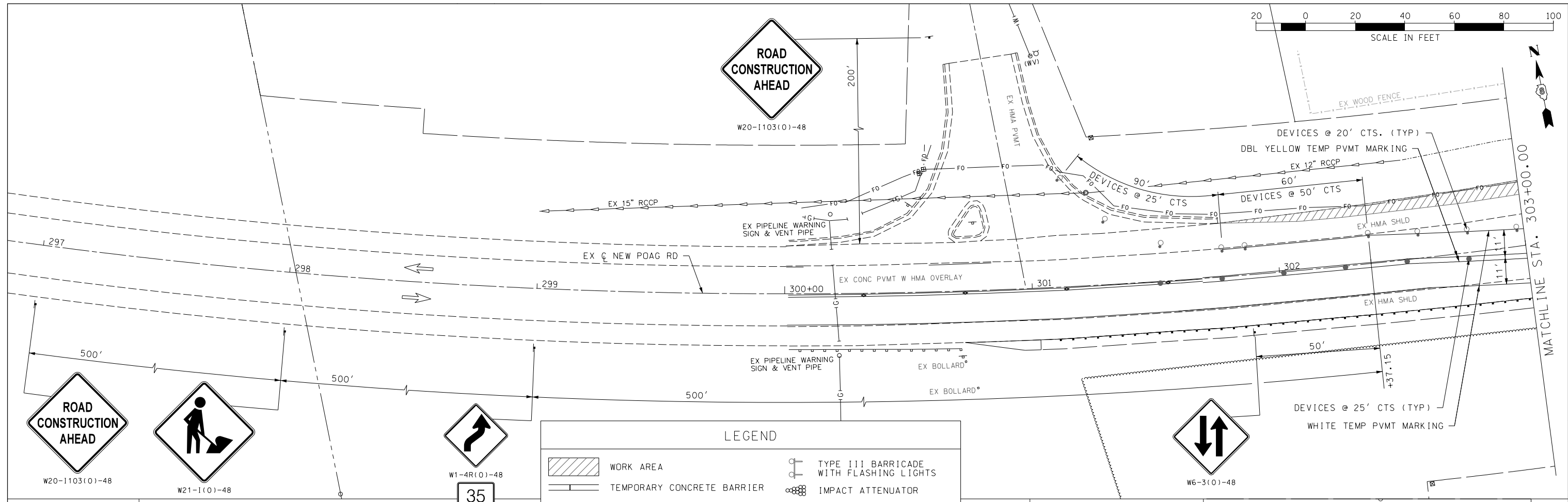
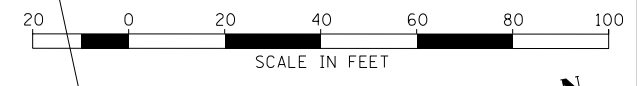
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\...		DRAWN - AJK	REVISED -
Default	PLOT SCALE = 48.0000' / in.	CHECKED - KPF	REVISED -
	PLOT DATE = 12/7/2018 (11:38:49 AM)	DATE - 12/7/2018 (11:38:49 AM)	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

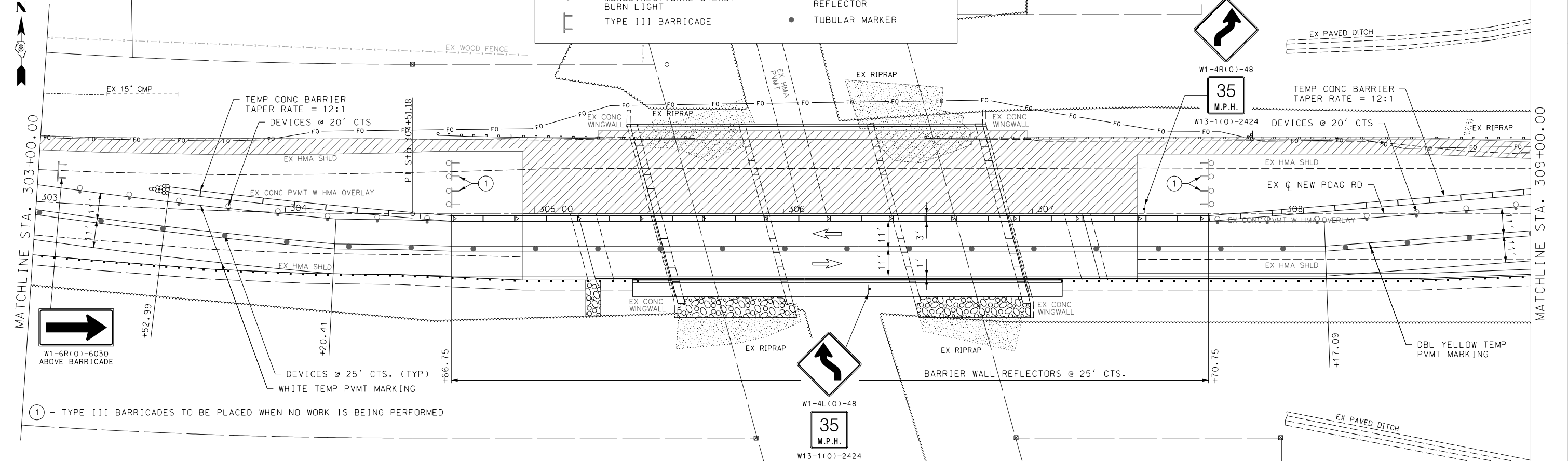
**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 1**

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 309+00.00 TO STA. 321+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	19
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



LEGEND	
	WORK AREA
	TEMPORARY CONCRETE BARRIER
	SIGN
	BARRICADE OR DRUM WITH MONODIRECTIONAL STEADY BURN LIGHT
	TYPE III BARRICADE
	TYPE III BARRICADE WITH FLASHING LIGHTS
	IMPACT ATTENUATOR
	DRUM OR BARRICADE
	CRYSTAL MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
	TUBULAR MARKER



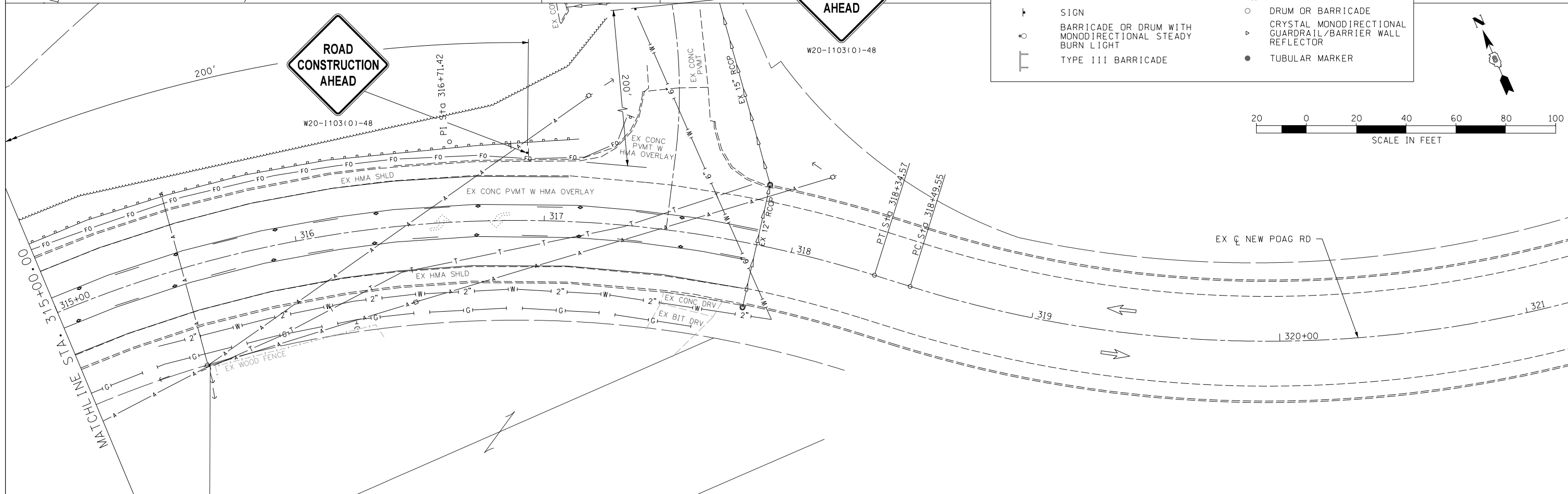
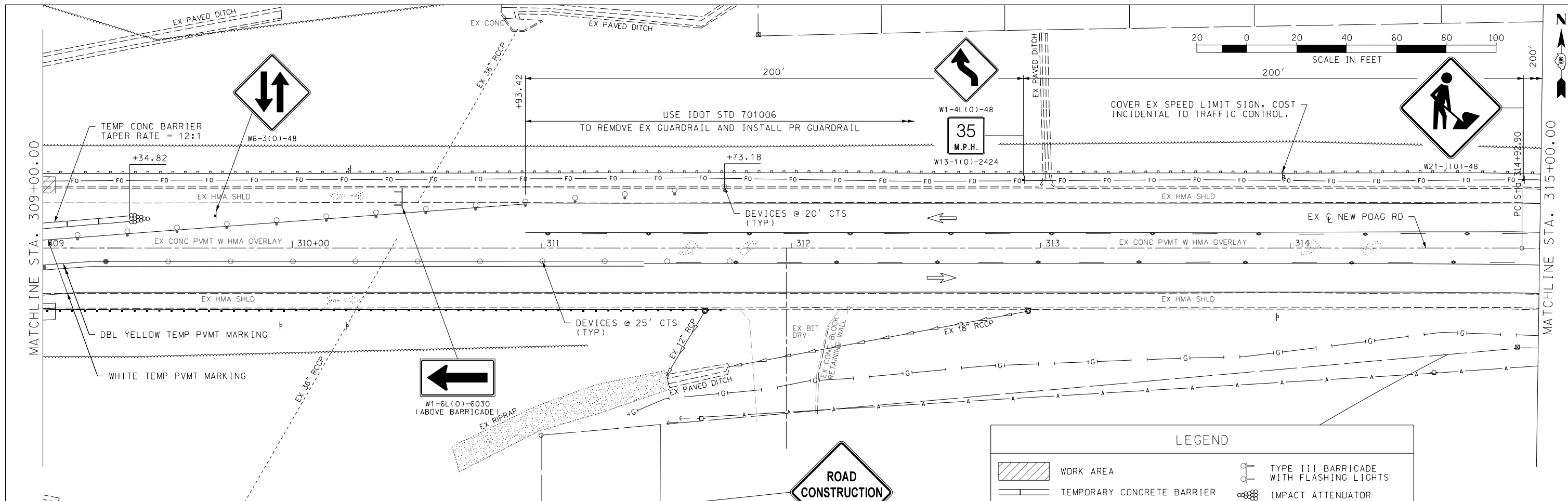
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\		DRAWN - AJK	REVISED -
Default		CHECKED - KPF	REVISED -
		DATE - 12/7/2018 (11:39:19 AM)	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 2**

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. 297+00.00 TO STA. 309+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	20
				CONTRACT NO. 97683
ILLINOIS FED. AID PROJECT				

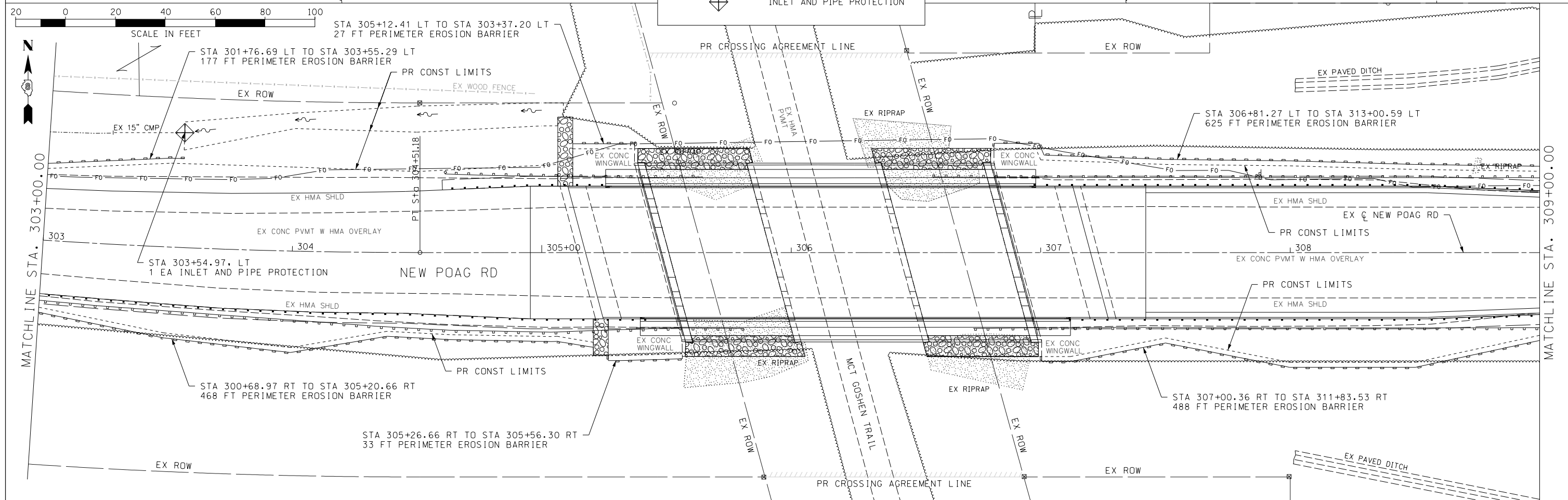
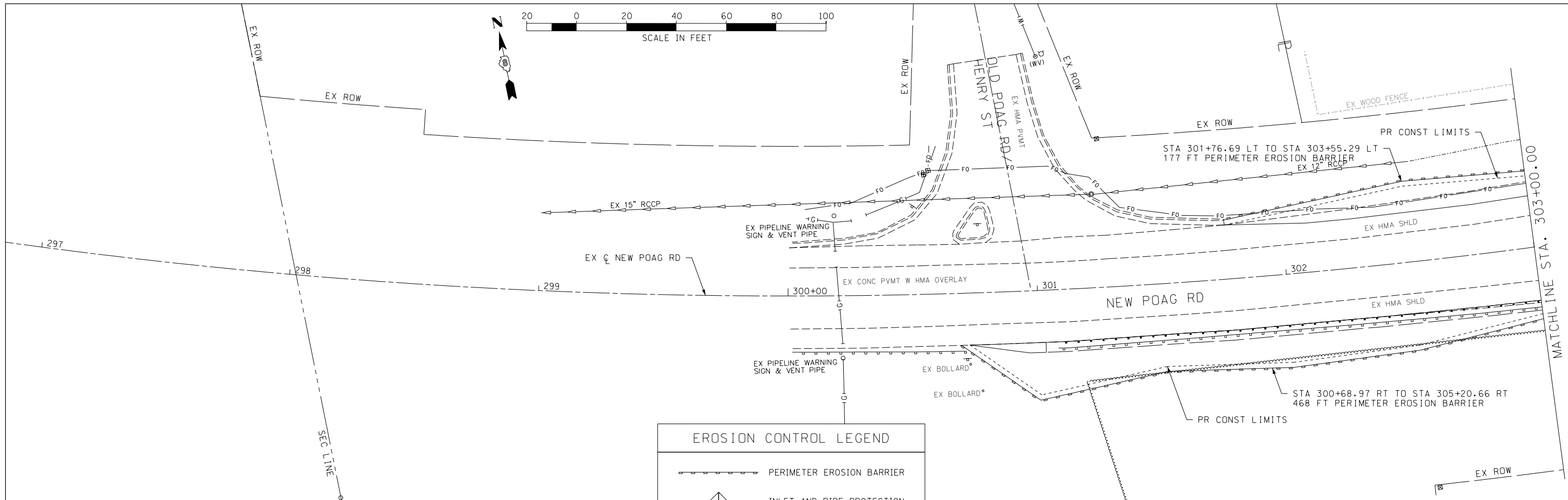


FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2			F.A. RTE. 8877	SECTION 15-00113-03-BR	COUNTY MADISON	TOTAL SHEETS 58	SHEET NO. 21
Default	PLOT SCALE = 48.0000' / in.	CHECKED - KPF	REVISED -		SCALE: 1" = 20'	SHEET 4 OF 4 SHEETS	STA. 309+00.00 TO STA. 321+00.00	CONTRACT NO. 97683				
	PLOT DATE = 12/7/2018 (11:39:49 AM)	DATE - 12/7/2018 (11:39:49 AM)	REVISED -		ILLINOIS FED. AID PROJECT							

TEMPORARY EROSION CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL IMPLEMENT THIS PLAN TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.
2. CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR AND EXPECTED WEATHER CONDITIONS.
3. THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.
4. SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.
5. AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
6. AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THESE PLANS AND AS DIRECTED BY THE ENGINEER.
7. BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.
8. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN, SHALL BE PROTECTED. EXCEPT AS DESCRIBED ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES.
9. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
10. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 7 DAYS.
11. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - a) PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - b) TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - c) CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP AND CONDUCTING FINAL SHAPING OF THE SLOPES.
12. EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
13. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS AS DETERMINED BY THE ENGINEER. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
14. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
15. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.
16. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEDED.
17. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.
18. A QUANTITY OF 46 POUNDS OF TEMPORARY EROSION CONTROL SEEDING HAS BEEN INCLUDED IN THE PLAN QUANTITIES TO BE USED AS DIRECTED BY THE ENGINEER.
19. A QUANTITY OF 0.50 ACRES OF MULCH HAS BEEN INCLUDED IN THE PLAN QUANTITIES TO BE USED IN CONJUNCTION WITH THE TEMPORARY EROSION CONTROL SEEDING AS DIRECTED BY THE ENGINEER.

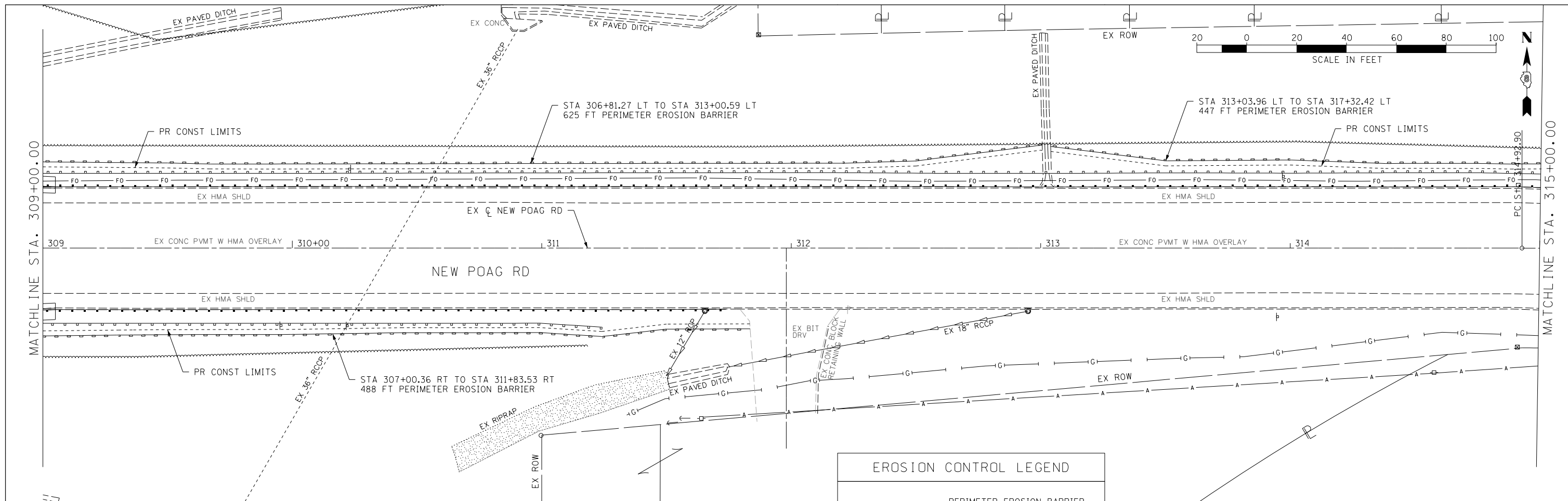
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN - AJK	REVISED -			8877	15-00113-03-BR	MADISON	58	22	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - KPF	REVISED -			CONTRACT NO. 97683					
	PLOT DATE = 12/7/2018 11:40:19 AM	DATE - 12/7/2018 11:40:19 AM	REVISED -			SCALE: N/A	SHEET 1 OF 3 SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT	



EROSION CONTROL LEGEND

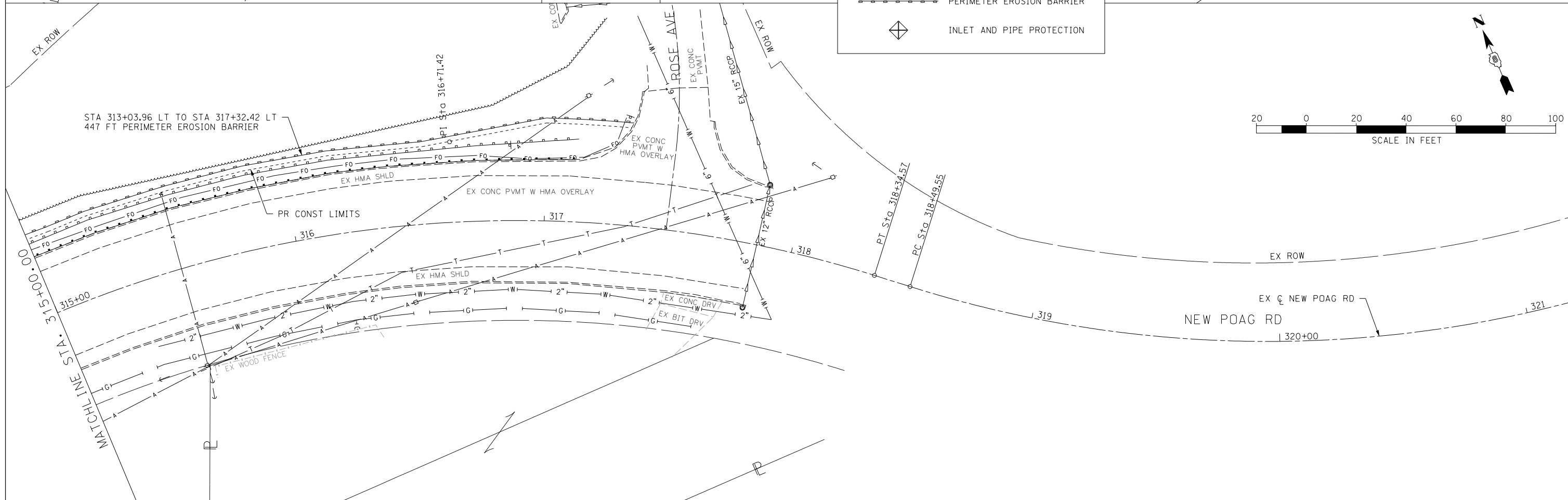
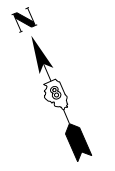
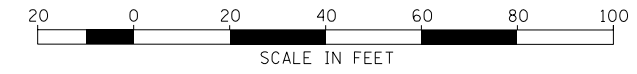
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL DETAILS	F.A. RTE. = 8877	SECTION = 15-00113-03-BR	COUNTY = MADISON	TOTAL SHEETS = 58	SHEET NO. = 23	
		DRAWN - AJK	REVISED -			SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 297+00.00 TO STA. 309+00.00					
		CHECKED - KPF	REVISED -			CONTRACT NO. 97683					
		DATE - 12/7/2018 (11:40:45 AM)	REVISED -			ILLINOIS FED. AID PROJECT					

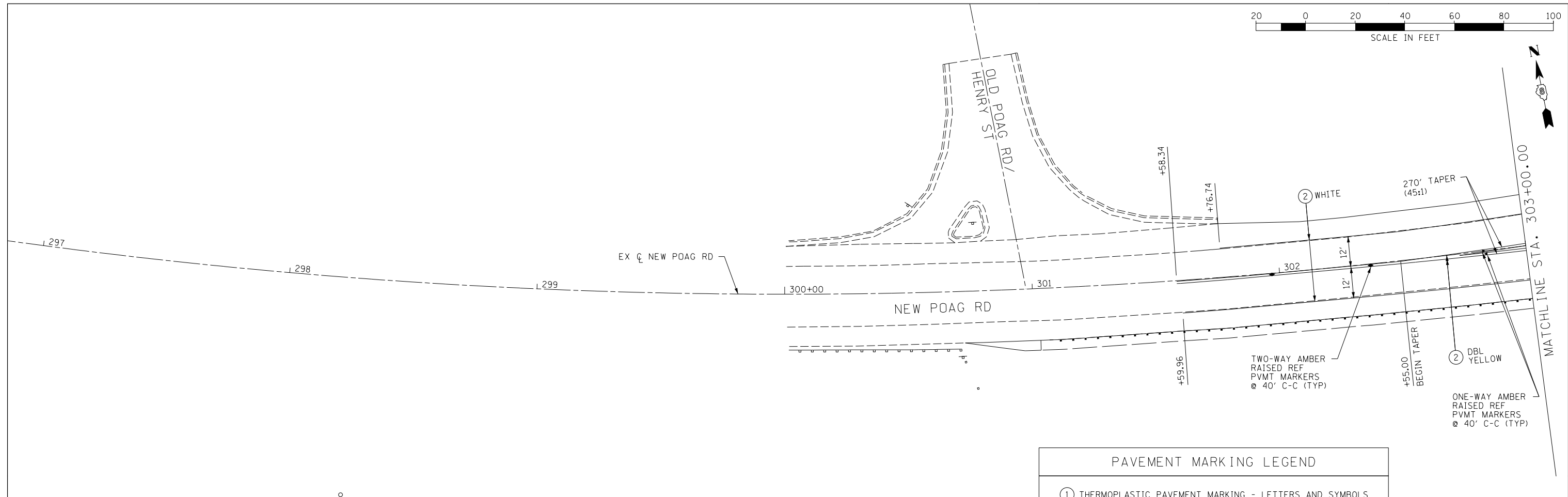
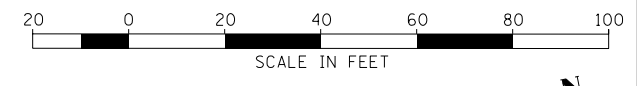


EROSION CONTROL LEGEND

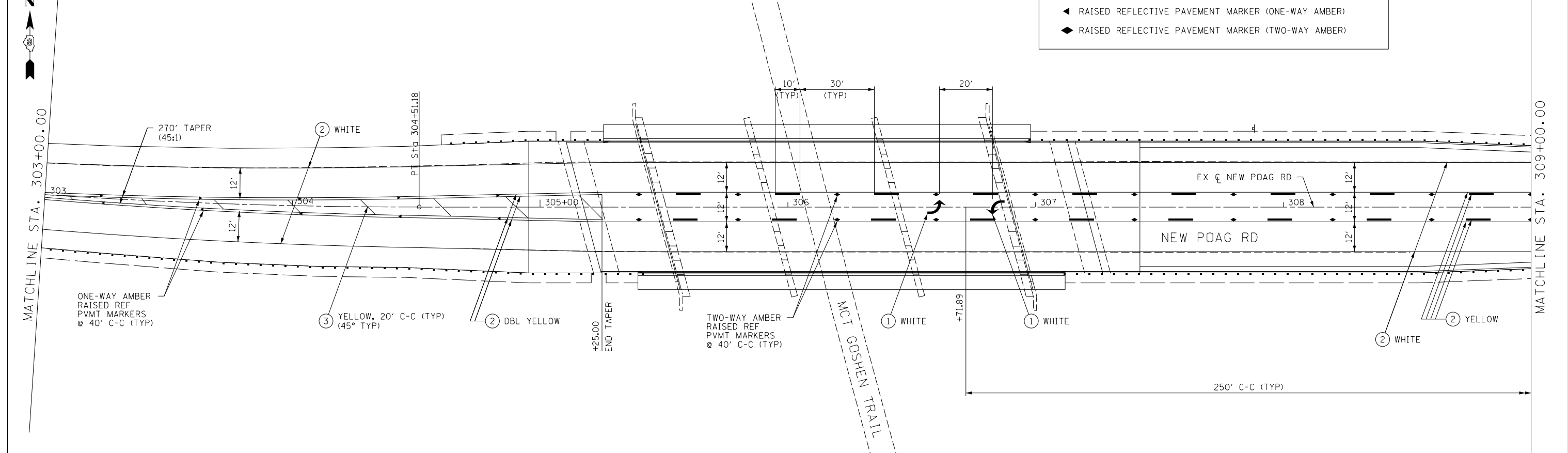
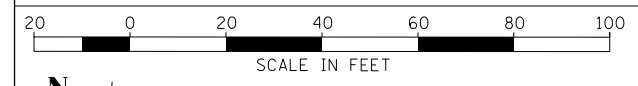
- PERIMETER EROSION BARRIER
- ◆ INLET AND PIPE PROTECTION



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL DETAILS	F.A. RTE. = 8877	SECTION = 15-00113-03-BR	COUNTY = MADISON	TOTAL SHEETS = 58	SHEET NO. = 24
	PLOT SCALE = 40.0000' / in.	CHECKED - KPF	REVISIED -			SCALE: 1" = 20'	SHEET 3 OF 3 SHEETS	STA. 309+00.00 TO STA. 321+00.00	CONTRACT NO. 97683	
Default	PLOT DATE = 12/7/2018 (11:41:16 AM)	DATE = 12/7/2018 (11:41:16 AM)	REVISIED -							



PAVEMENT MARKING LEGEND	
①	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
②	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
③	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
◀	RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)



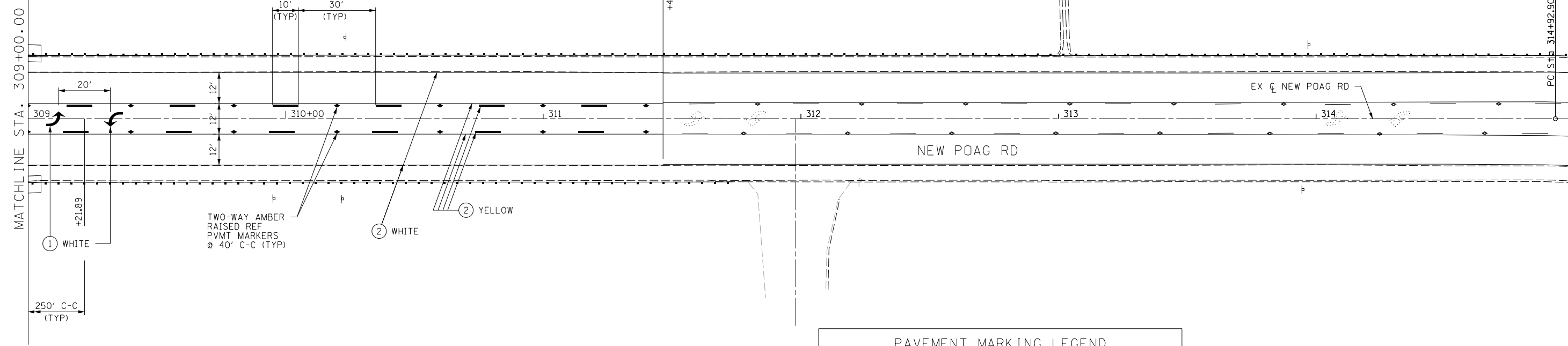
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\...	DRAWN - AJK	CHECKED - KPF	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 12/7/2018 (11:50:35 AM)	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SHEET

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 297+00.00 TO STA. 309+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	25
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND	
①	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
②	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
③	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
◀	RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER)
◆	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)



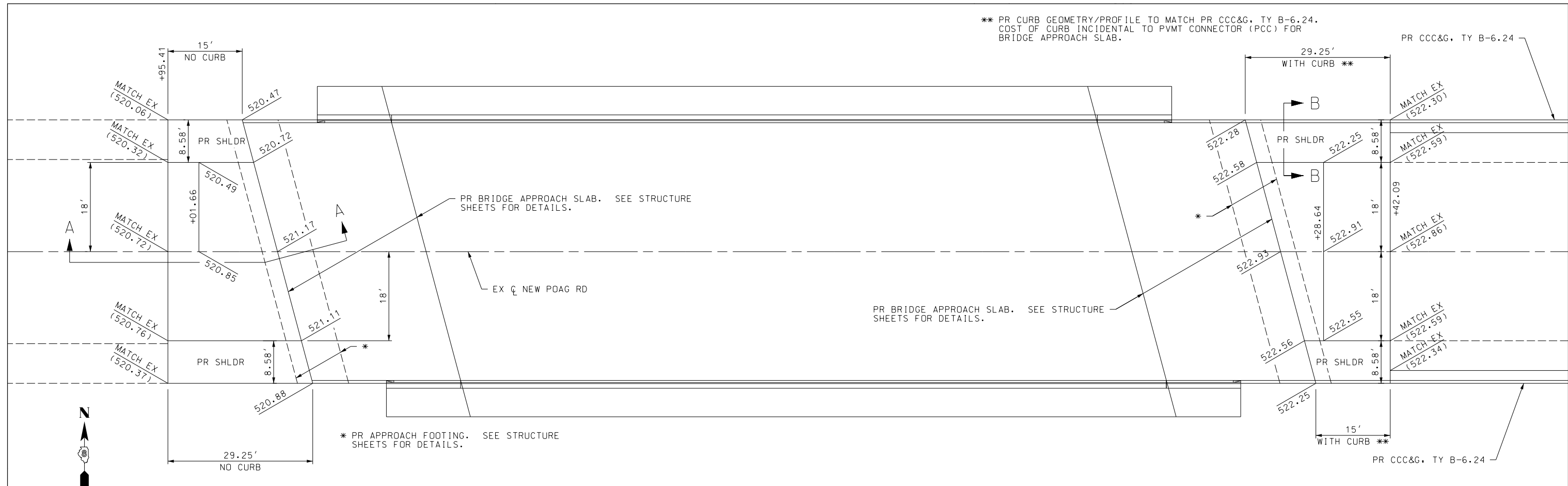
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..	DRAWN - AJK	CHECKED - KPF	REVISED -
Default	PLOT SCALE = 48.0000' / in.	DATE - 12/7/2018 (11:51:38 AM)	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SHEET			
SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA. 309+00.00 TO STA. 321+00.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	26
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

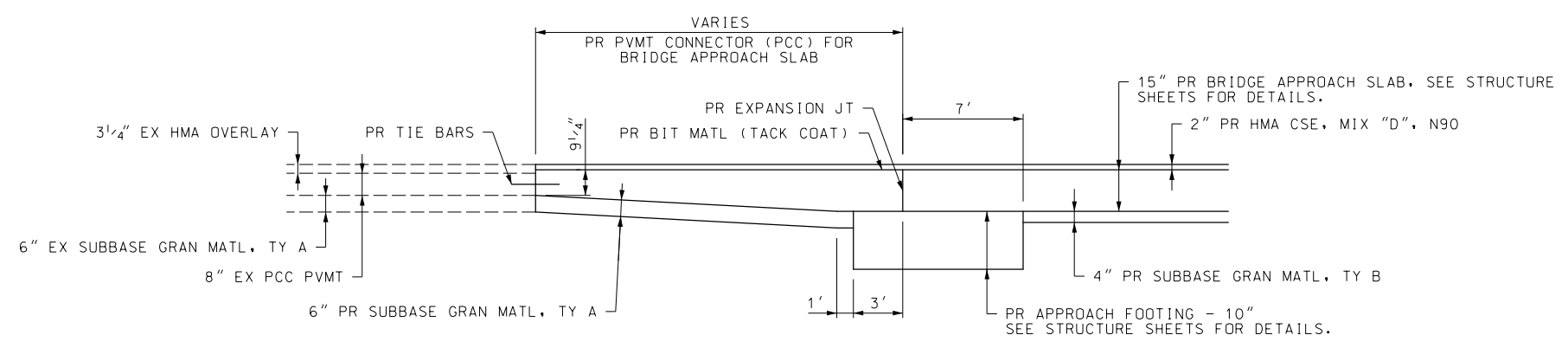
** PR CURB GEOMETRY/PROFILE TO MATCH PR CCC&G, TY B-6.24.
 COST OF CURB INCIDENTAL TO PVMT CONNECTOR (PCC) FOR
 BRIDGE APPROACH SLAB.



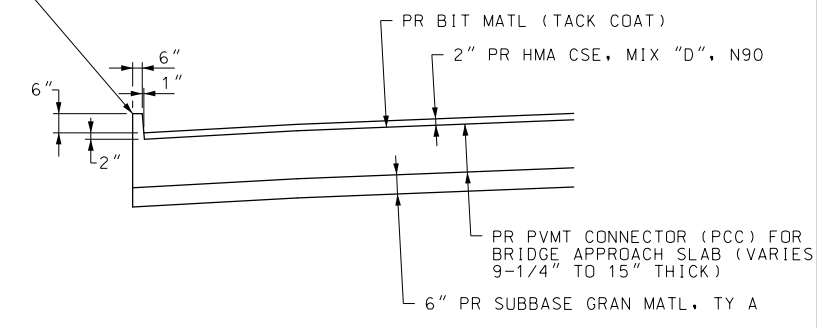
DETAIL FOR PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

NOTE: SEE STANDARD 420401 FOR DETAILS NOT SHOWN.

PROPOSED INTEGRAL CONCRETE CURB (COST INCIDENTAL TO
 PROPOSED PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB.



SECTION A-A
 (TYP BOTH ENDS OF BRIDGE)



SECTION B-B
 (TYPICAL BOTH SIDES OF EAST PAVEMENT
 CONNECTOR FOR BRIDGE APPROACH SLAB)

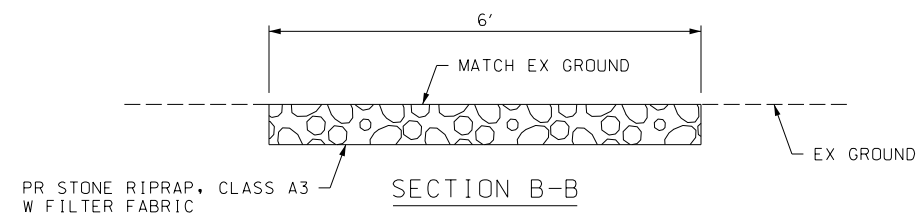
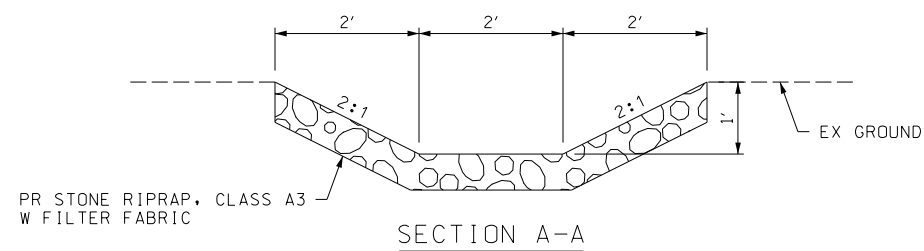
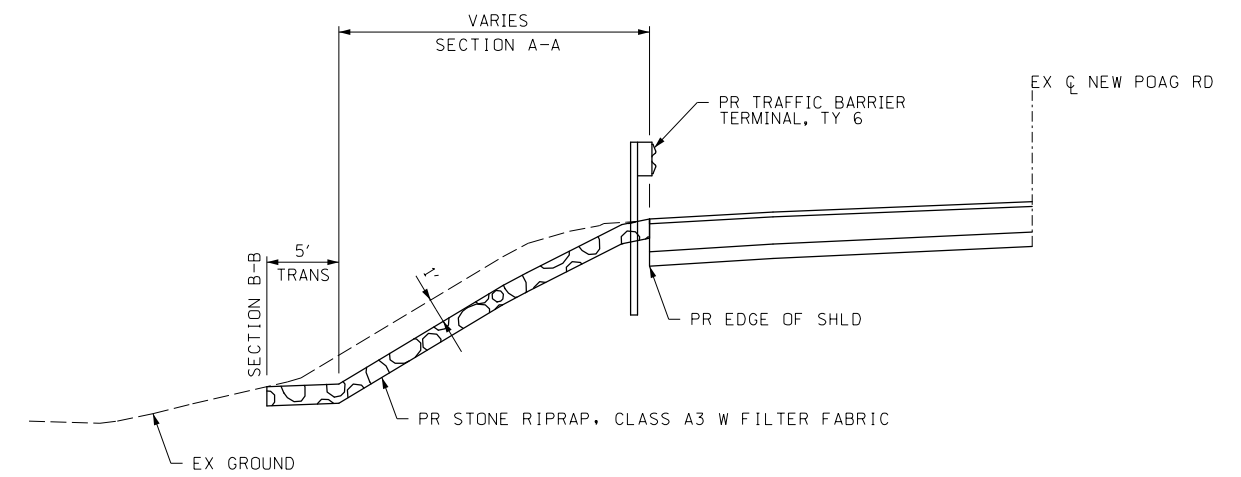
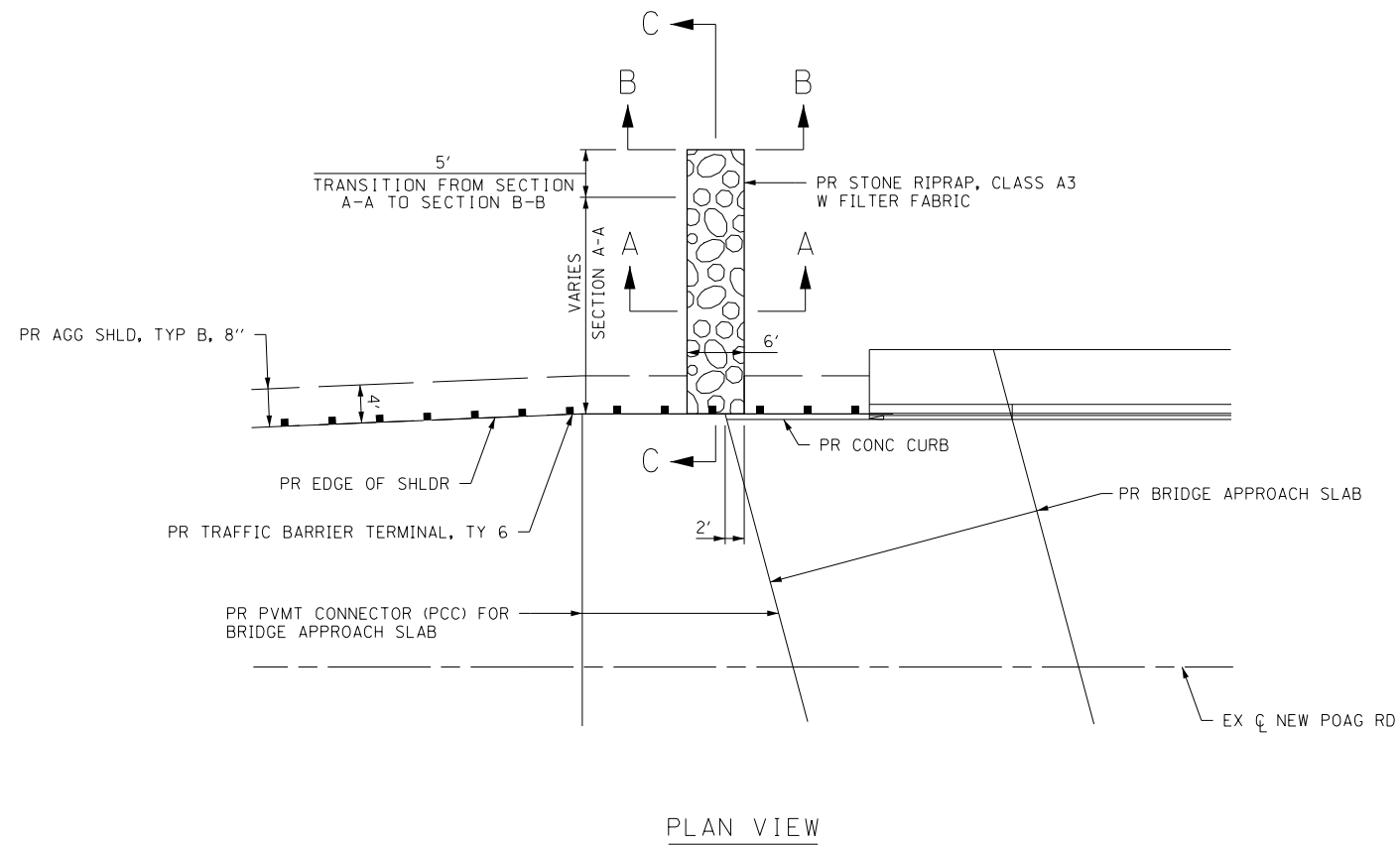
FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\...		DRAWN - AJK	REVISED -
		CHECKED - KPF	REVISED -
Default	PLOT DATE = 12/7/2018 (11:52:06 AM)	DATE - 12/7/2018 (11:52:06 AM)	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	27
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



RIPRAP DRAINAGE
OUTLET DETAIL

SECTION C-C

FILE NAME =	USER NAME = Jack Blakemore	DESIGNED - JWB	REVISED -
L:\MadisonCounty\164013200\Draw\CADD_Sheets\..		DRAWN - AJK	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - KPF	REVISED -
	PLOT DATE = 12/7/2018 (11:52:49 AM)	DATE - 12/7/2018 (11:52:49 AM)	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS			
SCALE: N/A 20'	SHEET 2 OF 2 SHEETS	STA. N/A	TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	28
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

Benchmark: Mag Nail set at N: 781195.196, E: 2348976.67 - Sta. 303+50.69, 24.12' LT - Elev. 515.609
 Rebar set at N: 781320.517, E: 2349190.164 - Sta. 305+65.22, 151.71' LT - Elev. 495.042
 Rebar set at N: 781018.472, E: 2349270.895 - Sta. 306+46.08, 150.30' RT - Elev. 496.259

Existing Structure: S.N. 060-0183 built in 1966 over Illinois Terminal Railroad (MCT Goshen Trail) at Sta. 306+18.75. Structure consists of a three-span steel WF bridge on stub abutments and multi-column pile supported piers with a back-to-back abutment dimension of 144'-6" and a 71'-8" out-to-out width. The contractor shall remove the existing superstructure and replace with galvanized steel WF beams and composite deck. Existing bridge substructure to be used-in-place and abutments converted to semi-integral. Traffic to be maintained using stage construction as shown.

Salvage: None

INDEX OF SHEETS

Sheet No.	Description
1	General Plan and Elevation
2	General Data
3	Stage Construction Details
4	Temporary Concrete Barrier For Stage Construction
5-8	Deck Elevations
9-10	Top of Approach Slab Elevations
11	Superstructure Details
12	Parapet Details
13	Railing Details
14	Semi-Integral Abutment Diaphragm And Substructure Repair Details
15-16	Bridge Approach Slab Details
17	Framing Plan
18-19	Bearing Details
20	Bar Splicer Assembly and Mechanical Splicer Details

LOADING HL-93
New Construction

DESIGN SPECIFICATIONS

New Construction:
2014 AASHTO LRFD Bridge Design Specifications 7th Edition With 2016 Interim Revisions

DESIGN STRESSES

FIELD UNITS (New Construction)

$f'_c = 3,500$ psi
 $f'_c = 4,000$ psi (Superstructure Concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

FIELD UNITS (Existing Construction)

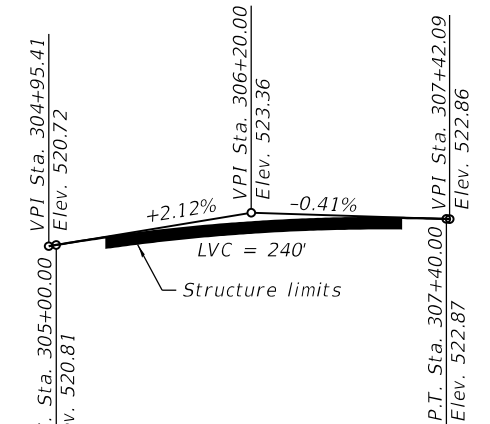
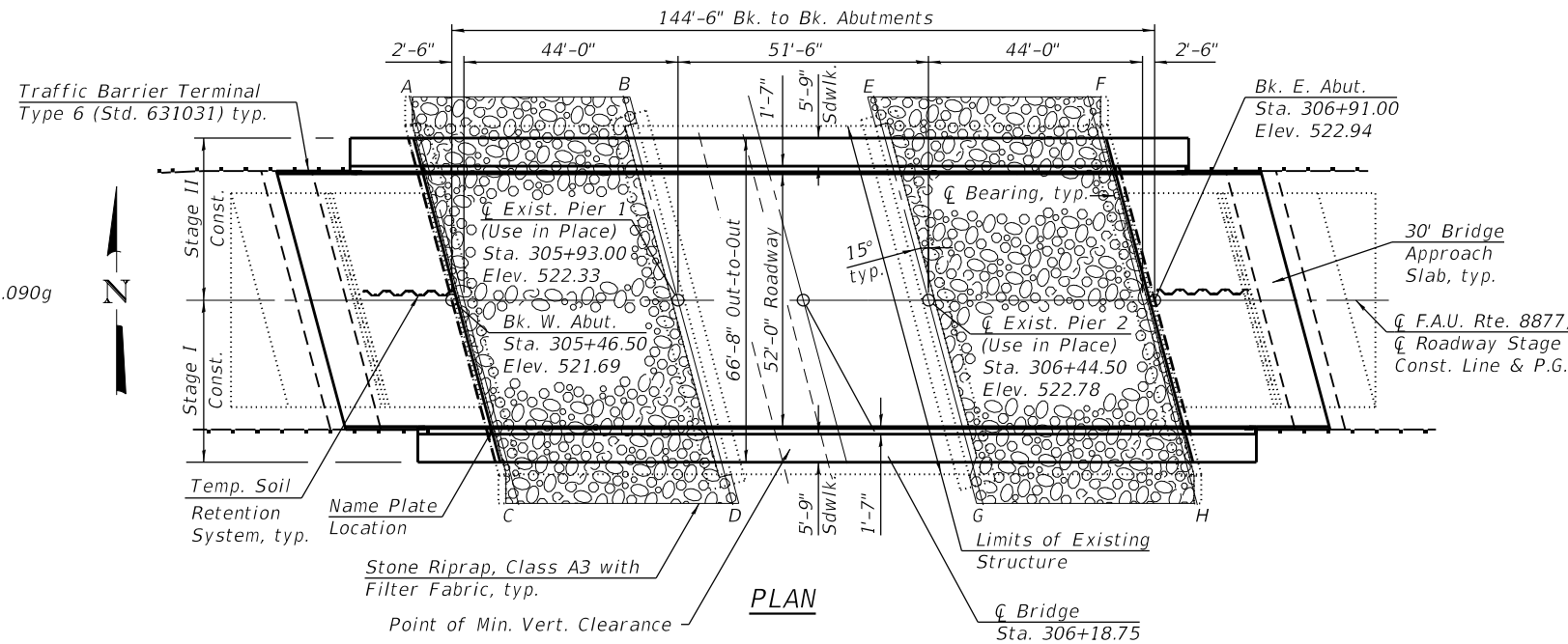
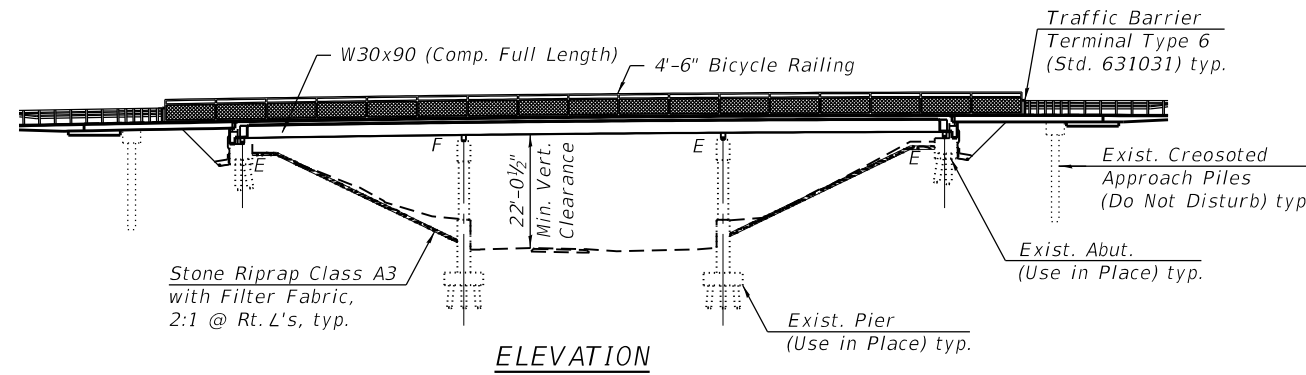
$f'_c = 2,500$ psi
 $f_y = 40,000$ psi (Reinforcement)

SEISMIC DATA

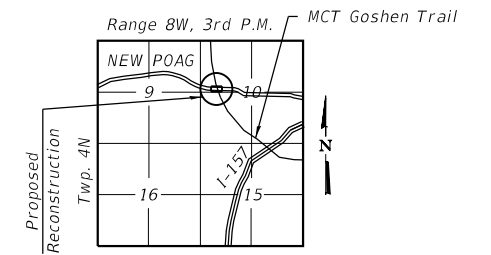
Seismic Performance Category (SPC) = A
 Horizontal Bedrock Acceleration Coefficient (A) = 0.090g
 Site Coefficient (S) = 1.0

Location	Station	Offset
A	305+38.58	41.73 LT
B	305+83.02	41.73 LT
C	305+57.55	41.63 RT
D	306+05.57	41.63 RT
E	306+32.15	41.75 LT
F	306+79.98	41.75 LT
G	306+54.40	41.72 RT
H	306+99.10	41.72 RT

RIPRAP LIMITS TABLE



PROFILE GRADE
(Along \bar{C} Roadway)



LOCATION SKETCH



A. Prabhu 12/5/2018
Exp. Date: 11/30/2020

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

GENERAL PLAN & ELEVATION
NEW POAG ROAD OVER MCT GOSHEN TRAIL
F.A.U. RTE. 8877 - SEC. 15-00113-03-BR
MADISON COUNTY
STATION 306+18.75
STRUCTURE NO. 060-0183

FILE NAME = L:\Madison_Co\16401-32-00\Drawings\CADD_Sheets\Bridges\0600183-001-GENERAL PLAN AND ELEVATION.dgn



USER NAME = Prabhu Ananthan	DESIGNED - JDJ/DWL	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - PA	REVISED -
PLOT DATE = 12/5/2018 (11:51:34 PM)	DRAWN - DWL	REVISED -
	CHECKED - PA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 060-0183

SHEET NO. 1 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	29
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.	858		858
Filter Fabric	Sq. Yd.	858		858
Bituminous Materials (Tack Coat)	Pound	156		156
Hot Mix Asphalt Surface Course, Mix "D", N90	Ton	108		108
Removal Of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		28.3	28.3
Protective Shield	Sq. Yd.	392		392
Structure Excavation	Cu. Yd.		311	311
Concrete Structures	Cu. Yd.		34.0	34.0
Concrete Superstructure	Cu. Yd.	352.3		352.3
Protective Coat	Sq. Yd.	377		377
Concrete Superstructure (Approach Slab)	Cu. Yd.	149.4		149.4
Furnishing And Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	6,948		6,948
Reinforcement Bars, Epoxy Coated	Each	131,260	5,980	137,230
Bar Splicers	Each	634	80	714
Bicycle Railing	Foot	343		343
Parapet Railing	Foot	343		343
Name Plate	Each	1		1
Elastomeric Bearing Assembly, Type I	Each	36		36
Anchor Bolts, 1"	Each	96		96
Temporary Soil Retention System	Sq. Ft.		112	112
Waterproofing Membrane System	Sq. Yd.	823		823
Granular Backfill For Structures	Cu. Yd.		308	308
Epoxy Crack Injection	Foot		8	8
Geocomposite Wall Drain	Sq. Yd.		115	115
Controlled Low-Strength Material	Cu. Yd.		1.7	1.7
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.		3	3
Longitudinal Joint Sealant	Foot	810		810
Pipe Underdrains For Structures, 4"	Foot		247	247
Polymer Modified Portland Cement Mortar	Sq. Ft.		8	8

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 7/8 in. Ø, holes 1 1/16 in. Ø, unless otherwise noted.

Calculated weight of Structural Steel =
 AASHTO M270 Grade 50 = 159,190 pounds
 AASHTO M270 Grade 36 = 27,280 pounds

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

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.

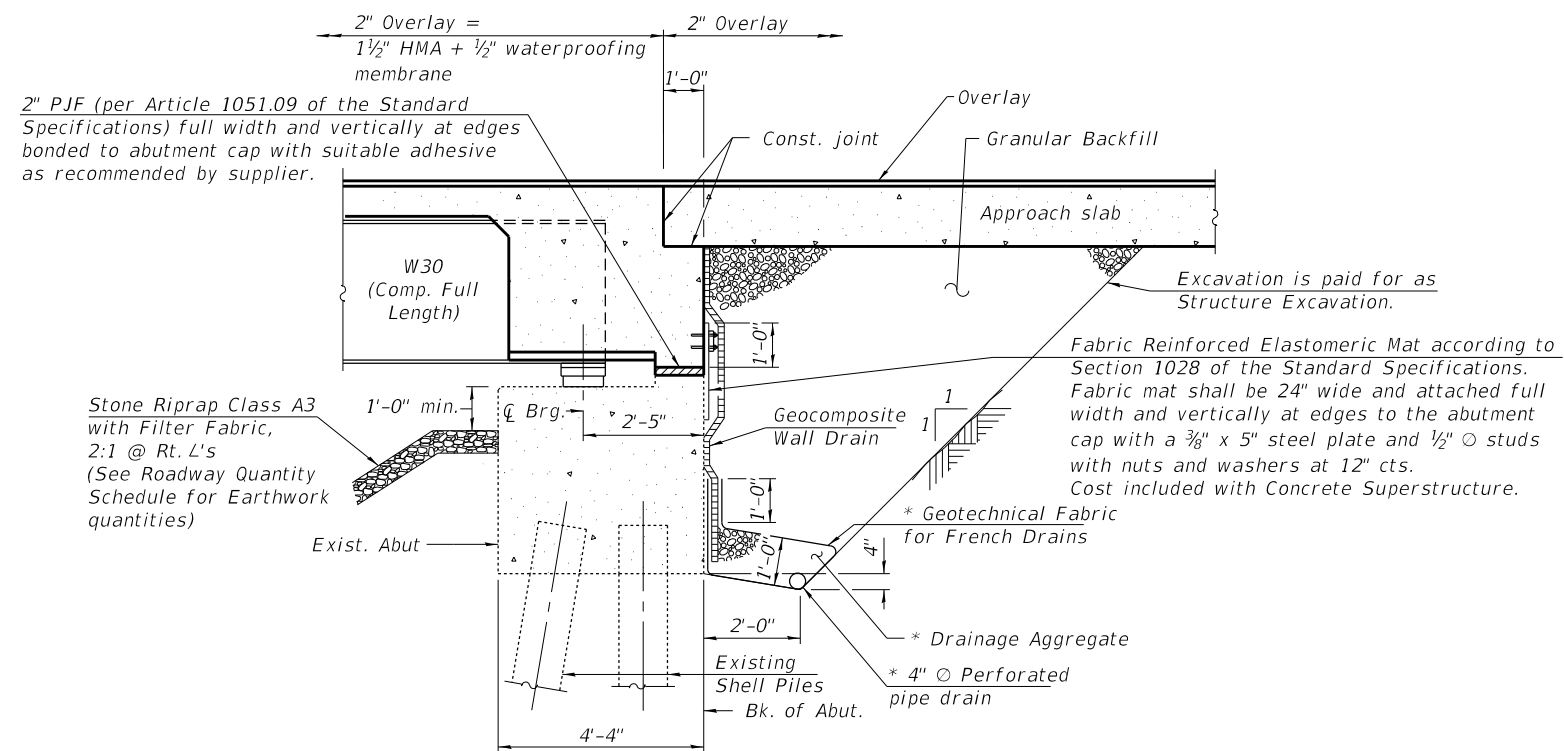
Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All structural steel shall be galvanized in accordance with the special provisions.

The contractor shall submit a demolition plan to the Engineer for approval, including the proposed methods of demolition and the location(s) and type(s) of equipment to be used, for the removal of the existing superstructure. The demolition plan shall include an assesment of the structure condition and an evaluation of the capacity and stability of the structure during demolition and shall be sealed by an Illinois Licensed Structural Engineer.

The existing bridge plans are available from Madison County Highway Department.



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. angles)

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions).

Notes:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

For modifications to the existing abutment see sheet 14 of 20 for details.

STATION 306+18.75
 RE-BUILT 20__ BY
 MADISON COUNTY HIGHWAY DEPT.
 F.A.U. RTE. 8877 - SEC 15-00113-03-BR
 LOADING HL-93
 STR. NO. 060-0183

NAME PLATE

See Std. 515001

Existing Name Plate shall be cleaned and relocated next to the new Name Plate. Cost included with Name Plates.

FILE NAME = L:\Madison_Co\16401-32-00\Drawings\CADD_Sheets\Bridges\0600183-002-GENERAL_DATA.dgn

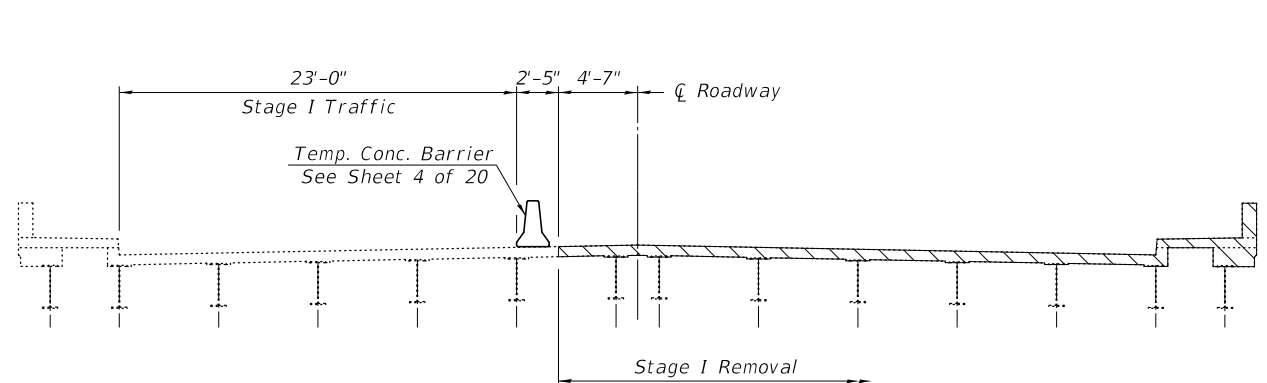


USER NAME = Josh Jolliff	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 1/4/2019 (8:44:12 AM)	CHECKED - PA	REVISED -

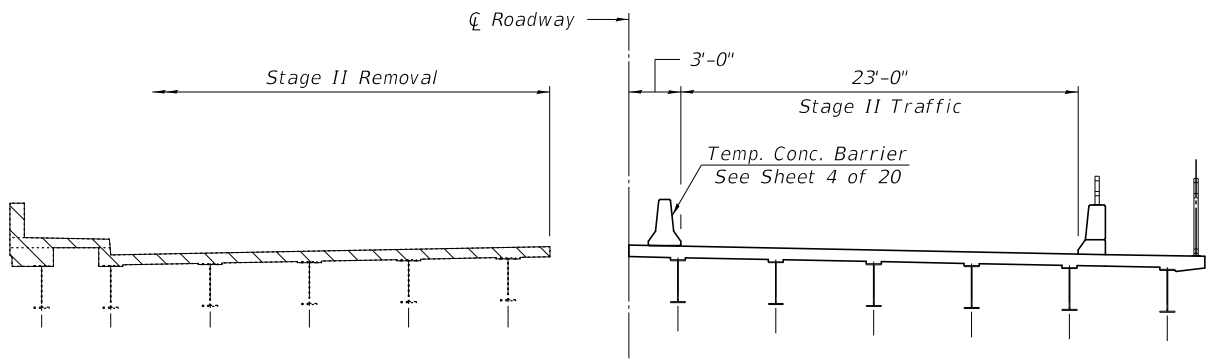
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 060-0183**

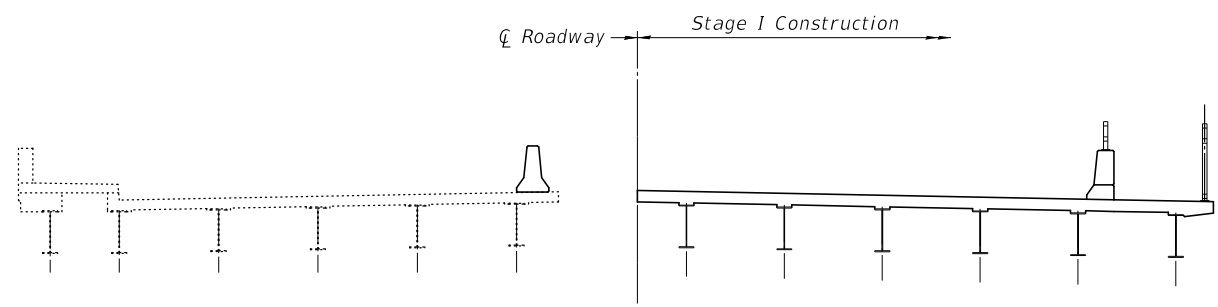
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	30
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



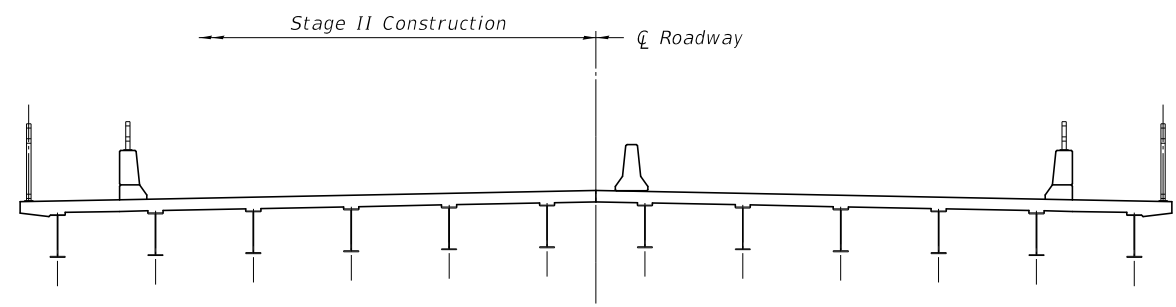
STAGE I REMOVAL



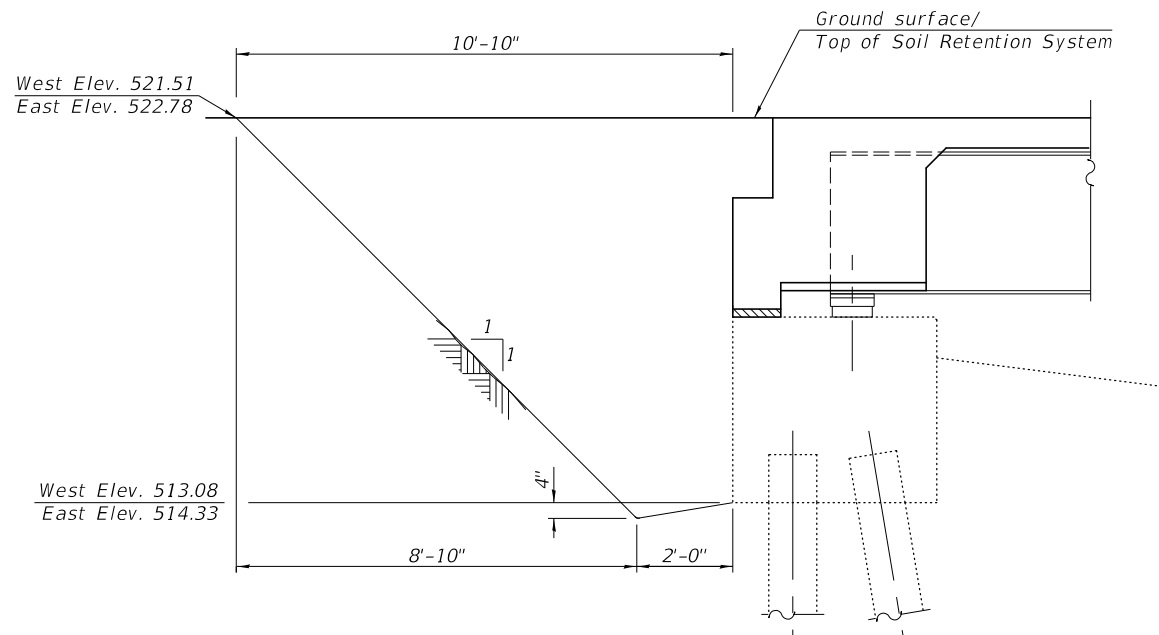
STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION



TEMPORARY SOIL RETENTION LIMITS

Notes:
All staging cross sections are looking east.
For quantity of Temporary Concrete Barrier, see roadway plans.
Hatched area indicates Removal of Existing Structures.

FILE NAME = L:\Medison_Co\16401-32-00\Drawn\...
CADD_Sheets\Bridges\0600183-003-STAGE.CONST.DETAILS.dgn



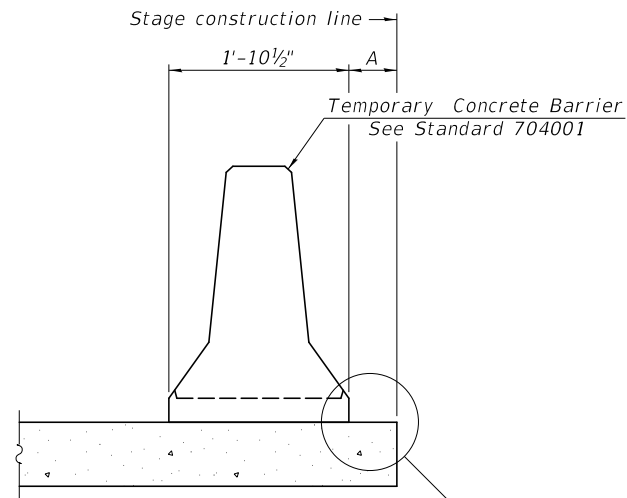
USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:08:31 PM)	CHECKED - PA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 060-0183

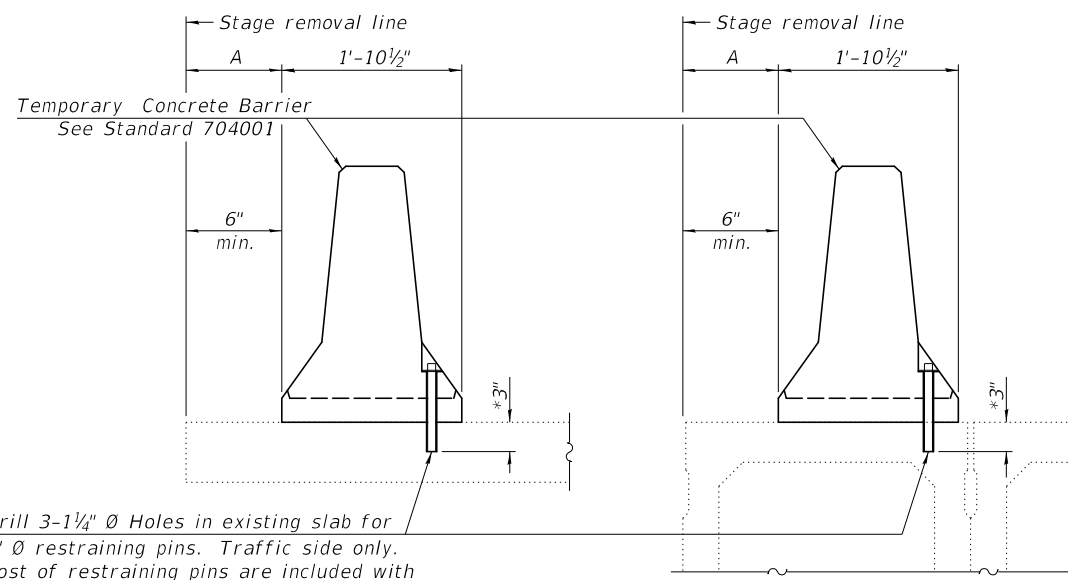
SHEET NO. 3 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	31
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

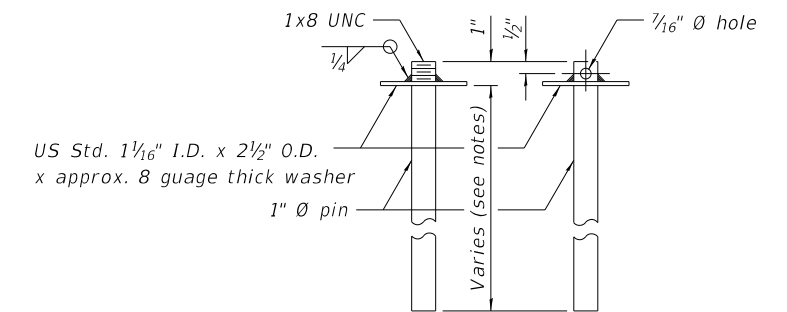


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

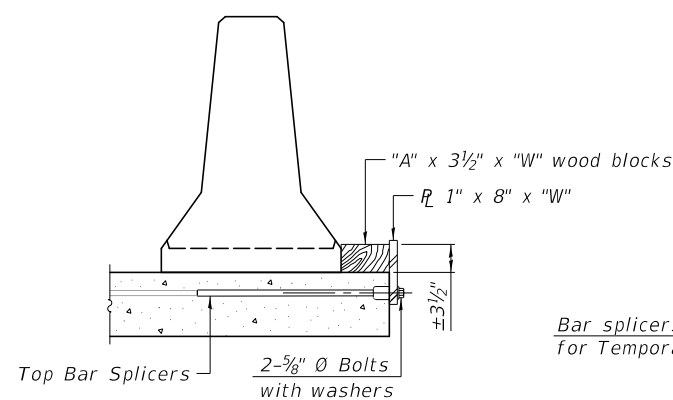
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

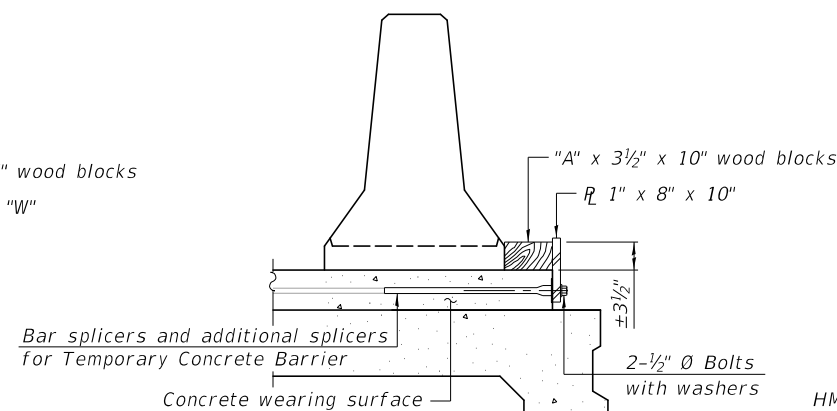


RESTRAINING PIN

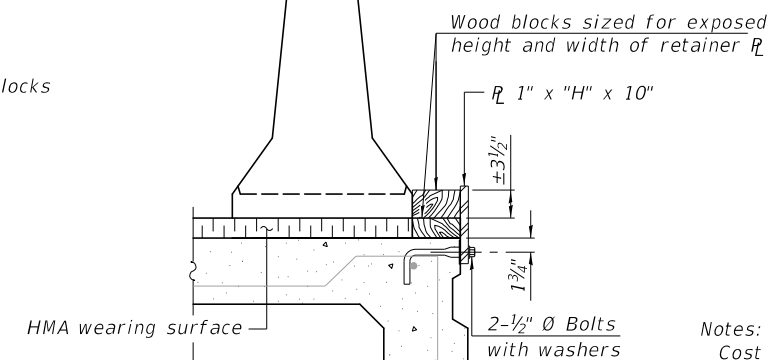
SECTIONS THRU SLAB OR DECK BEAM



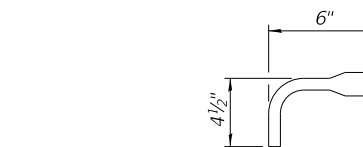
DETAIL I



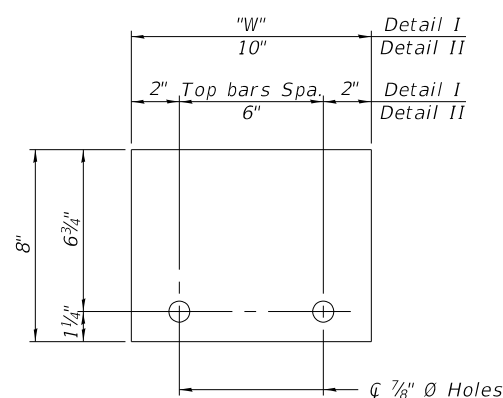
DETAIL II



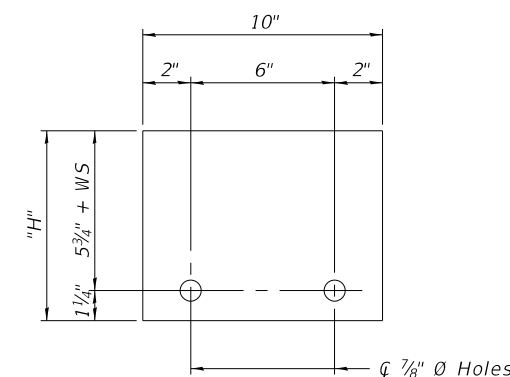
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"
(Detail III)

Notes:

- Cost of retainer assembly is included with Temporary Concrete Barrier.
- A retainer assembly shall be located at the approximate \bar{C} of each temporary concrete barrier.
- The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
- When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
- For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

FILE NAME = L:\Medison_Co\16401-32-00\Drawn\...
CADD_Sheets\Bridges\0600183-004-TEMPORARY_BARRIER.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
CHECKED - PA	REVISIONS -	
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:08:55 PM)	CHECKED - PA	REVISED -

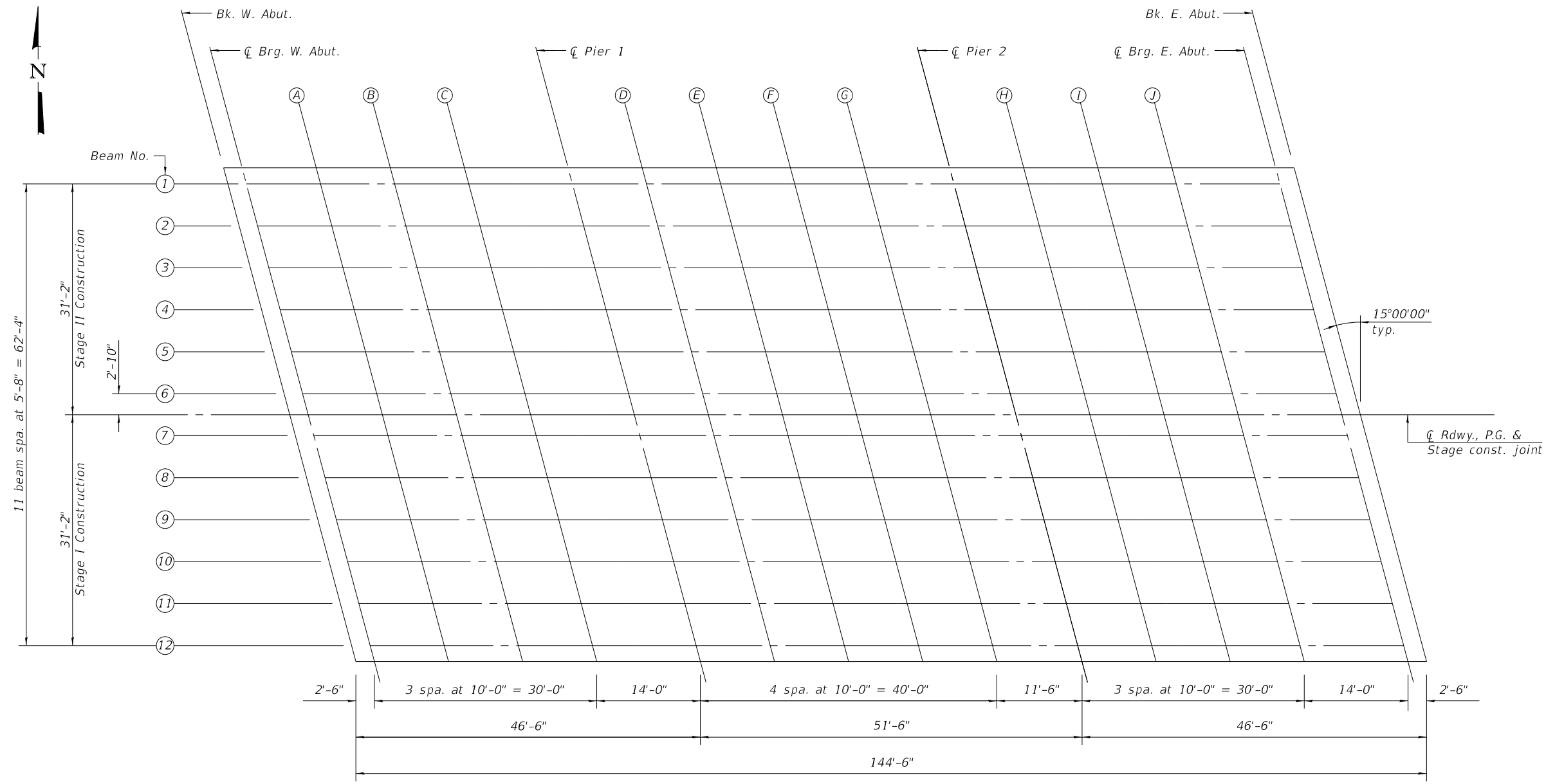
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 060-0183

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	32
			CONTRACT NO. 97683	

SHEET NO. 4 OF 20 SHEETS

ILLINOIS FED. AID PROJECT



PLAN

FILE NAME = L:\Medison_Co\16401-32-00\Drawn\CADD_Sheets\Bridges\0600183-005-DECK ELEVATIONS.dgn
 License No. 184-00613 © Copyright CMT, Inc.



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0:2.0000 1" = 10'	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:09:22 PM)	CHECKED - PA	REVISED -

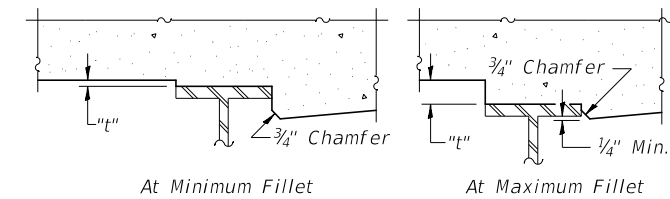
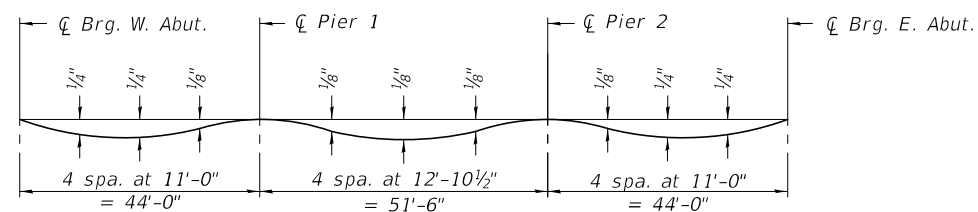
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK ELEVATIONS I
STRUCTURE NO. 060-0183

SHEET NO. 5 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	33
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on the plans. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown in the following tables, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+38.15	-31.17	520.77	-	520.77	-
CL. Brg. W. Abut.	305+40.65	-31.17	520.81	-	520.81	-
A	305+50.65	-31.17	520.98	-	521.00	-
B	305+60.65	-31.17	521.13	-	521.15	-
C	305+70.65	-31.17	521.27	-	521.28	-
Pier 1 CL.	305+84.65	-31.17	521.45	-	521.45	-
D	305+94.65	-31.17	521.57	-	521.58	-
E	306+04.65	-31.17	521.68	-	521.69	-
F	306+14.65	-31.17	521.77	-	521.78	-
G	306+24.65	-31.17	521.86	-	521.87	-
Pier 2 CL.	306+36.15	-31.17	521.95	-	521.95	-
H	306+46.15	-31.17	522.01	-	522.02	-
I	306+56.15	-31.17	522.06	-	522.08	-
J	306+66.15	-31.17	522.10	-	522.12	-
CL. Brg. E. Abut.	306+80.15	-31.17	522.15	-	522.15	-
Bk. E. Abut.	306+82.65	-31.17	522.15	-	522.15	-

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+39.67	-25.50	520.90	521.06	520.90	521.06
CL. Brg. W. Abut.	305+42.17	-25.50	520.94	521.11	520.94	521.11
A	305+52.17	-25.50	521.10	521.27	521.12	521.29
B	305+62.17	-25.50	521.25	521.42	521.27	521.44
C	305+72.17	-25.50	521.39	521.56	521.41	521.57
Pier 1 CL.	305+86.17	-25.50	521.57	521.74	521.57	521.74
D	305+96.17	-25.50	521.69	521.86	521.70	521.87
E	306+06.17	-25.50	521.80	521.96	521.81	521.97
F	306+16.17	-25.50	521.89	522.06	521.90	522.07
G	306+26.17	-25.50	521.98	522.14	521.99	522.15
Pier 2 CL.	306+37.67	-25.50	522.06	522.23	522.06	522.23
H	306+47.67	-25.50	522.12	522.29	522.13	522.30
I	306+57.67	-25.50	522.17	522.34	522.19	522.36
J	306+67.67	-25.50	522.21	522.38	522.23	522.40
CL. Brg. E. Abut.	306+81.67	-25.50	522.25	522.42	522.25	522.42
Bk. E. Abut.	306+84.17	-25.50	522.26	522.42	522.26	522.42

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+41.19	-19.83	521.04	521.20	521.04	521.20
CL. Brg. W. Abut.	305+43.69	-19.83	521.08	521.24	521.08	521.24
A	305+53.69	-19.83	521.24	521.41	521.26	521.43
B	305+63.69	-19.83	521.39	521.56	521.41	521.58
C	305+73.69	-19.83	521.53	521.70	521.54	521.71
Pier 1 CL.	305+87.69	-19.83	521.71	521.87	521.71	521.87
D	305+97.69	-19.83	521.82	521.99	521.83	522.00
E	306+07.69	-19.83	521.92	522.09	521.93	522.10
F	306+17.69	-19.83	522.02	522.18	522.03	522.19
G	306+27.69	-19.83	522.10	522.27	522.11	522.28
Pier 2 CL.	306+39.19	-19.83	522.18	522.35	522.18	522.35
H	306+49.19	-19.83	522.24	522.41	522.25	522.42
I	306+59.19	-19.83	522.29	522.46	522.31	522.48
J	306+69.19	-19.83	522.33	522.50	522.35	522.52
CL. Brg. E. Abut.	306+83.19	-19.83	522.37	522.53	522.37	522.53
Bk. E. Abut.	306+85.69	-19.83	522.37	522.54	522.37	522.54

FILE NAME = L:\Medison Co\16401-32-00\Drawn\...
 CADD_Sheets\Bridges\0600183-006-DECK ELEVATIONS2.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:09:51 PM)	CHECKED - PA	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DECK ELEVATIONS II
 STRUCTURE NO. 060-0183

SHEET NO. 6 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	34
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+42.70	-14.17	521.18	521.34	521.18	521.34
CL. Brg. W. Abut.	305+45.20	-14.17	521.22	521.38	521.22	521.38
A	305+55.20	-14.17	521.38	521.54	521.40	521.56
B	305+65.20	-14.17	521.52	521.69	521.55	521.71
C	305+75.20	-14.17	521.66	521.83	521.67	521.84
Pier 1 CL.	305+89.20	-14.17	521.84	522.00	521.84	522.00
D	305+99.20	-14.17	521.95	522.12	521.96	522.13
E	306+09.20	-14.17	522.05	522.22	522.06	522.23
F	306+19.20	-14.17	522.14	522.31	522.15	522.32
G	306+29.20	-14.17	522.23	522.39	522.24	522.40
Pier 2 CL.	306+40.70	-14.17	522.31	522.47	522.31	522.47
H	306+50.70	-14.17	522.36	522.53	522.37	522.54
I	306+60.70	-14.17	522.41	522.58	522.43	522.60
J	306+70.70	-14.17	522.45	522.62	522.47	522.64
CL. Brg. E. Abut.	306+84.70	-14.17	522.48	522.65	522.48	522.65
Bk. E. Abut.	306+87.20	-14.17	522.49	522.65	522.49	522.65

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+44.22	-8.50	521.31	521.48	521.31	521.48
CL. Brg. W. Abut.	305+46.72	-8.50	521.35	521.52	521.35	521.52
A	305+56.72	-8.50	521.51	521.68	521.53	521.70
B	305+66.72	-8.50	521.66	521.83	521.68	521.85
C	305+76.72	-8.50	521.80	521.96	521.81	521.97
Pier 1 CL.	305+90.72	-8.50	521.97	522.14	521.97	522.14
D	306+00.72	-8.50	522.08	522.25	522.09	522.26
E	306+10.72	-8.50	522.18	522.35	522.19	522.36
F	306+20.72	-8.50	522.27	522.44	522.28	522.45
G	306+30.72	-8.50	522.35	522.52	522.36	522.53
Pier 2 CL.	306+42.22	-8.50	522.43	522.59	522.43	522.59
H	306+52.22	-8.50	522.49	522.65	522.50	522.66
I	306+62.22	-8.50	522.53	522.70	522.55	522.72
J	306+72.22	-8.50	522.57	522.73	522.59	522.75
CL. Brg. E. Abut.	306+86.22	-8.50	522.60	522.77	522.60	522.77
Bk. E. Abut.	306+88.72	-8.50	522.60	522.77	522.60	522.77

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+45.74	-2.83	521.45	521.62	521.45	521.62
CL. Brg. W. Abut.	305+48.24	-2.83	521.49	521.66	521.49	521.66
A	305+58.24	-2.83	521.65	521.82	521.67	521.84
B	305+68.24	-2.83	521.79	521.96	521.81	521.98
C	305+78.24	-2.83	521.93	522.10	521.94	522.11
Pier 1 CL.	305+92.24	-2.83	522.10	522.27	522.10	522.27
D	306+02.24	-2.83	522.21	522.38	522.22	522.39
E	306+12.24	-2.83	522.31	522.47	522.32	522.49
F	306+22.24	-2.83	522.40	522.56	522.41	522.57
G	306+32.24	-2.83	522.47	522.64	522.48	522.65
Pier 2 CL.	306+43.74	-2.83	522.55	522.72	522.55	522.72
H	306+53.74	-2.83	522.61	522.77	522.62	522.78
I	306+63.74	-2.83	522.65	522.82	522.67	522.84
J	306+73.74	-2.83	522.68	522.85	522.71	522.87
CL. Brg. E. Abut.	306+87.74	-2.83	522.71	522.88	522.71	522.88
Bk. E. Abut.	306+90.24	-2.83	522.72	522.88	522.72	522.88

ROADWAY, P.G. & STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+46.50	0.00	521.52	521.69	521.52	521.69
CL. Brg. W. Abut.	305+49.00	0.00	521.56	521.73	521.56	521.73
A	305+59.00	0.00	521.72	521.88	521.74	521.90
B	305+69.00	0.00	521.86	522.03	521.88	522.05
C	305+79.00	0.00	522.00	522.16	522.01	522.17
Pier 1 CL.	305+93.00	0.00	522.17	522.33	522.17	522.33
D	306+03.00	0.00	522.27	522.44	522.28	522.45
E	306+13.00	0.00	522.37	522.54	522.38	522.55
F	306+23.00	0.00	522.46	522.63	522.47	522.64
G	306+33.00	0.00	522.54	522.70	522.55	522.71
Pier 2 CL.	306+44.50	0.00	522.61	522.78	522.61	522.78
H	306+54.50	0.00	522.67	522.83	522.68	522.84
I	306+64.50	0.00	522.71	522.88	522.73	522.90
J	306+74.50	0.00	522.74	522.91	522.76	522.93
CL. Brg. E. Abut.	306+88.50	0.00	522.77	522.94	522.77	522.94
Bk. E. Abut.	306+91.00	0.00	522.78	522.94	522.78	522.94

FILE NAME = L:\Medison Co\16401-32-00\Drawn
 CAD_Sheets\Bridges\0600183-007-DECK ELEVATIONS.dgn



USER NAME = Jack Blakemore
 CHECKED - PA
 PLOT SCALE = 0.1667' / in.
 DRAWN - DWL
 PLOT DATE = 12/7/2018 (12:10:23 PM)
 CHECKED - PA

DESIGNED - JDJ/DWL
 REVISIONS -
 REVISIONS -
 REVISIONS -
 REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DECK ELEVATIONS III
 STRUCTURE NO. 060-0183

SHEET NO. 7 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	35
CONTRACT NO. 97683			ILLINOIS FED. AID PROJECT	

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+47.26	2.83	521.48	521.64	521.48	521.64
CL. Brg. W. Abut.	305+49.76	2.83	521.52	521.68	521.52	521.68
A	305+59.76	2.83	521.67	521.84	521.69	521.86
B	305+69.76	2.83	521.82	521.98	521.84	522.00
C	305+79.76	2.83	521.95	522.11	521.96	522.13
Pier 1 CL.	305+93.76	2.83	522.12	522.28	522.12	522.28
D	306+03.76	2.83	522.22	522.39	522.24	522.40
E	306+13.76	2.83	522.32	522.49	522.33	522.50
F	306+23.76	2.83	522.41	522.58	522.42	522.59
G	306+33.76	2.83	522.49	522.65	522.50	522.66
Pier 2 CL.	306+45.26	2.83	522.56	522.73	522.56	522.73
H	306+55.26	2.83	522.61	522.78	522.62	522.79
I	306+65.26	2.83	522.66	522.82	522.68	522.84
J	306+75.26	2.83	522.69	522.86	522.71	522.88
CL. Brg. E. Abut.	306+89.26	2.83	522.72	522.88	522.72	522.88
Bk. E. Abut.	306+91.76	2.83	522.72	522.89	522.72	522.89

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+48.78	8.50	521.39	521.55	521.39	521.55
CL. Brg. W. Abut.	305+51.28	8.50	521.43	521.59	521.43	521.59
A	305+61.28	8.50	521.58	521.75	521.60	521.77
B	305+71.28	8.50	521.72	521.89	521.74	521.91
C	305+81.28	8.50	521.85	522.02	521.86	522.03
Pier 1 CL.	305+95.28	8.50	522.02	522.19	522.02	522.19
D	306+05.28	8.50	522.13	522.29	522.14	522.30
E	306+15.28	8.50	522.22	522.39	522.23	522.40
F	306+25.28	8.50	522.31	522.47	522.32	522.49
G	306+35.28	8.50	522.38	522.55	522.39	522.56
Pier 2 CL.	306+46.78	8.50	522.46	522.62	522.46	522.62
H	306+56.78	8.50	522.51	522.67	522.52	522.68
I	306+66.78	8.50	522.55	522.72	522.57	522.74
J	306+76.78	8.50	522.58	522.75	522.60	522.77
CL. Brg. E. Abut.	306+90.78	8.50	522.61	522.77	522.61	522.77
Bk. E. Abut.	306+93.28	8.50	522.61	522.77	522.61	522.77

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+50.30	14.17	521.30	521.47	521.30	521.47
CL. Brg. W. Abut.	305+52.80	14.17	521.34	521.51	521.34	521.51
A	305+62.80	14.17	521.49	521.66	521.51	521.68
B	305+72.80	14.17	521.63	521.80	521.65	521.82
C	305+82.80	14.17	521.76	521.93	521.77	521.94
Pier 1 CL.	305+96.80	14.17	521.92	522.09	521.92	522.09
D	306+06.80	14.17	522.03	522.20	522.04	522.21
E	306+16.80	14.17	522.12	522.29	522.13	522.30
F	306+26.80	14.17	522.21	522.37	522.22	522.38
G	306+36.80	14.17	522.28	522.45	522.29	522.46
Pier 2 CL.	306+48.30	14.17	522.35	522.52	522.35	522.52
H	306+58.30	14.17	522.40	522.57	522.41	522.58
I	306+68.30	14.17	522.44	522.61	522.46	522.63
J	306+78.30	14.17	522.47	522.64	522.49	522.66
CL. Brg. E. Abut.	306+92.30	14.17	522.49	522.66	522.49	522.66
Bk. E. Abut.	306+94.80	14.17	522.50	522.66	522.50	522.66

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+51.81	19.83	521.21	521.38	521.21	521.38
CL. Brg. W. Abut.	305+54.31	19.83	521.25	521.42	521.25	521.42
A	305+64.31	19.83	521.40	521.56	521.42	521.59
B	305+74.31	19.83	521.54	521.70	521.56	521.72
C	305+84.31	19.83	521.67	521.83	521.68	521.84
Pier 1 CL.	305+98.31	19.83	521.83	521.99	521.83	521.99
D	306+08.31	19.83	521.93	522.10	521.94	522.11
E	306+18.31	19.83	522.02	522.19	522.03	522.20
F	306+28.31	19.83	522.11	522.27	522.12	522.28
G	306+38.31	19.83	522.18	522.34	522.19	522.35
Pier 2 CL.	306+49.81	19.83	522.25	522.41	522.25	522.41
H	306+59.81	19.83	522.29	522.46	522.30	522.47
I	306+69.81	19.83	522.33	522.50	522.35	522.52
J	306+79.81	19.83	522.36	522.53	522.38	522.55
CL. Brg. E. Abut.	306+93.81	19.83	522.38	522.55	522.38	522.55
Bk. E. Abut.	306+96.31	19.83	522.38	522.55	522.38	522.55

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+53.33	25.50	521.12	521.29	521.12	521.29
CL. Brg. W. Abut.	305+55.83	25.50	521.16	521.33	521.16	521.33
A	305+65.83	25.50	521.31	521.47	521.33	521.49
B	305+75.83	25.50	521.44	521.61	521.46	521.63
C	305+85.83	25.50	521.57	521.74	521.58	521.75
Pier 1 CL.	305+99.83	25.50	521.73	521.90	521.73	521.90
D	306+09.83	25.50	521.83	522.00	521.84	522.01
E	306+19.83	25.50	521.92	522.09	521.93	522.10
F	306+29.83	25.50	522.00	522.17	522.01	522.18
G	306+39.83	25.50	522.07	522.24	522.08	522.25
Pier 2 CL.	306+51.33	25.50	522.14	522.31	522.14	522.31
H	306+61.33	25.50	522.19	522.35	522.20	522.36
I	306+71.33	25.50	522.22	522.39	522.25	522.41
J	306+81.33	25.50	522.25	522.42	522.27	522.44
CL. Brg. E. Abut.	306+95.33	25.50	522.27	522.44	522.27	522.44
Bk. E. Abut.	306+97.83	25.50	522.27	522.44	522.27	522.44

BEAM 12

Location	Station	Offset	Theoretical Grade Elevations		Theoretical Grade Elevations Adjusted For Dead Load Deflection	
			Top Conc.	Top Asphalt	Top Conc.	Top Asphalt
Bk. W. Abut.	305+54.85	31.17	521.04	-	521.04	-
CL. Brg. W. Abut.	305+57.35	31.17	521.08	-	521.08	-
A	305+67.35	31.17	521.23	-	521.25	-
B	305+77.35	31.17	521.36	-	521.38	-
C	305+87.35	31.17	521.49	-	521.50	-
Pier 1 CL.	306+01.35	31.17	521.64	-	521.64	-
D	306+11.35	31.17	521.74	-	521.75	-
E	306+21.35	31.17	521.83	-	521.84	-
F	306+31.35	31.17	521.91	-	521.92	-
G	306+41.35	31.17	521.98	-	521.99	-
Pier 2 CL.	306+52.85	31.17	522.05	-	522.05	-
H	306+62.85	31.17	522.09	-	522.10	-
I	306+72.85	31.17	522.13	-	522.15	-
J	306+82.85	31.17	522.15	-	522.17	-
CL. Brg. E. Abut.	306+96.85	31.17	522.17	-	522.17	-
Bk. E. Abut.	306+99.35	31.17	522.17	-	522.17	-

FILE NAME = L:\Medison_Co\16401-32-00\Draw\...
 CADD_Sheets\Bridges_0600183-008-DECK_ELEVATIONS4.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:10:50 PM)	CHECKED - PA	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK ELEVATIONS IV
STRUCTURE NO. 060-0183**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	36
CONTRACT NO. 97683				

SHEET NO. 8 OF 20 SHEETS

ILLINOIS FED. AID PROJECT

NORTH GUTTER LINE

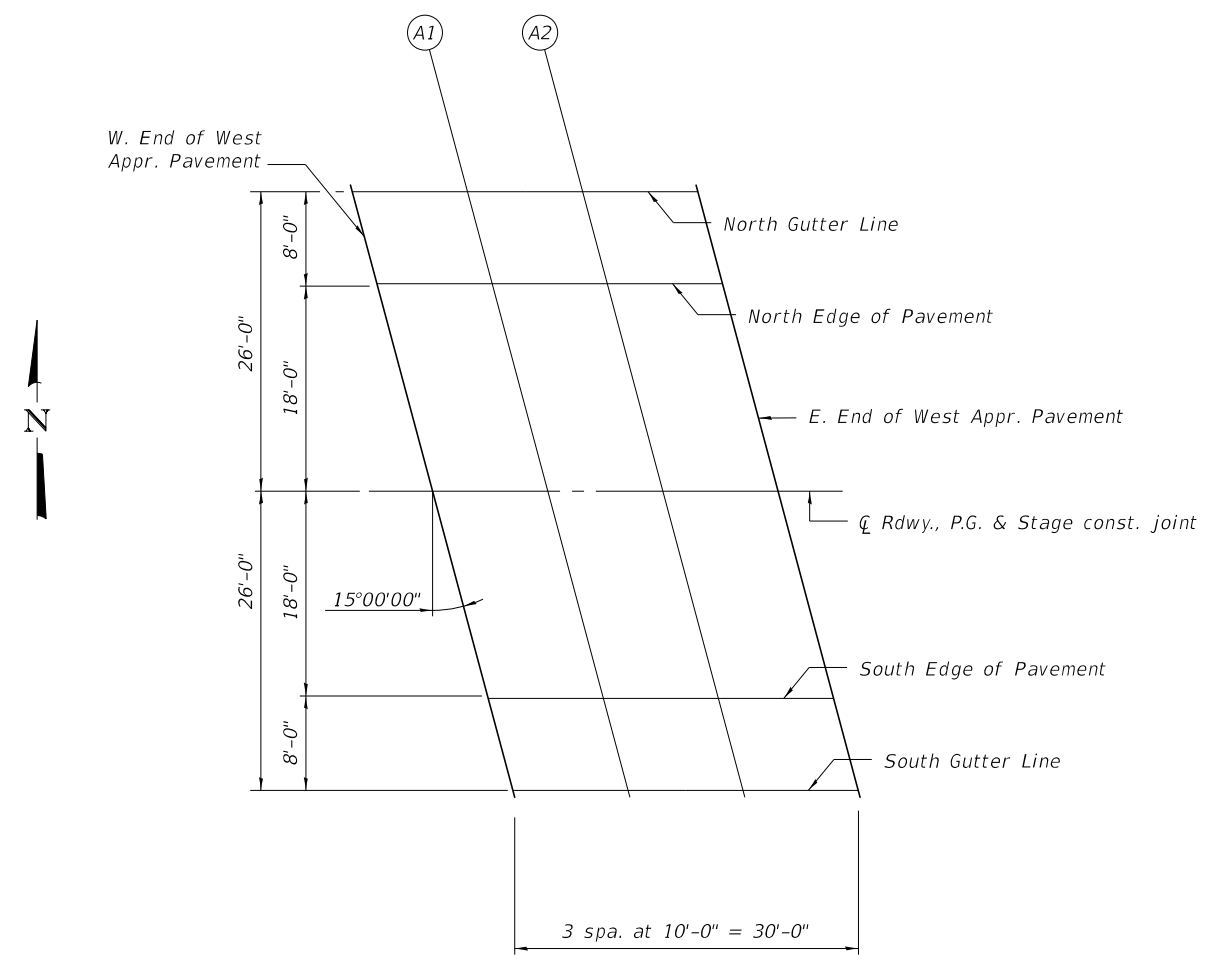
Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End West Appr. Pav't.	305+10.57	-26.00	520.35	520.51
A1	305+20.57	-26.00	520.54	520.71
A2	305+30.57	-26.00	520.73	520.89
E. End West Appr. Pav't	305+40.57	-26.00	520.90	521.07

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End West Appr. Pav't.	305+12.71	-18.00	520.55	520.72
A1	305+22.71	-18.00	520.74	520.91
A2	305+32.71	-18.00	520.93	521.09
E. End West Appr. Pav't	305+42.71	-18.00	521.10	521.27

CL ROADWAY, PROFILE GRADE & STAGE CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End West Appr. Pav't.	305+17.53	0.00	521.00	521.17
A1	305+27.53	0.00	521.19	521.36
A2	305+37.53	0.00	521.37	521.54
E. End West Appr. Pav't	305+47.53	0.00	521.54	521.70



PLAN
West Approach

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End West Appr. Pav't.	305+22.36	18.00	520.94	521.11
A1	305+32.36	18.00	521.04	521.21
A2	305+42.36	18.00	521.14	521.30
E. End West Appr. Pav't	305+52.36	18.00	521.25	521.42

SOUTH GUTTER LINE

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End West Appr. Pav't.	305+24.50	26.00	520.72	520.89
A1	305+34.50	26.00	520.86	521.02
A2	305+44.50	26.00	520.98	521.15
E. End West Appr. Pav't	305+54.50	26.00	521.13	521.29

FILE NAME = L:\Medison_Co\16401-32-00\Drawn\...
 CADD_Sheets\Bridges\0600183-003-W_APPR_SLAB_ELEV.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:11:17 PM)	CHECKED - PA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 060-0183

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	37
			CONTRACT NO. 97683	

NORTH GUTTER LINE

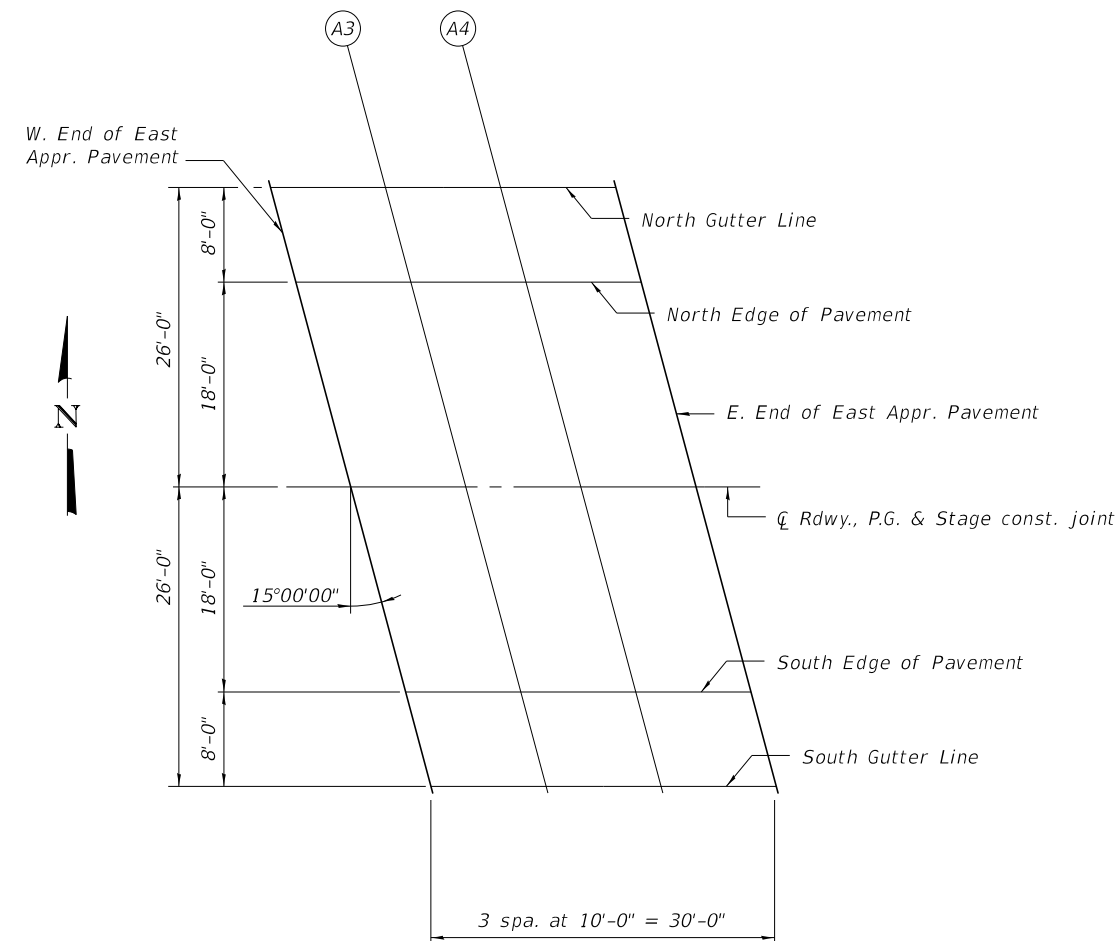
Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End East Appr. Pav't.	306+83.00	-26.00	522.24	522.41
A3	306+93.00	-26.00	522.22	522.39
A4	307+03.00	-26.00	522.19	522.35
E. End East Appr. Pav't	307+13.00	-26.00	522.14	522.30

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End East Appr. Pav't.	306+85.14	-18.00	522.41	522.57
A3	306+95.14	-18.00	522.42	522.59
A4	307+05.14	-18.00	522.42	522.59
E. End East Appr. Pav't	307+15.14	-18.00	522.41	522.58

CL ROADWAY, PROFILE GRADE & STAGE CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End East Appr. Pav't.	306+89.97	0.00	522.77	522.94
A3	306+99.97	0.00	522.78	522.95
A4	307+09.97	0.00	522.78	522.94
E. End East Appr. Pav't	307+19.97	0.00	522.76	522.93



PLAN
East Approach

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End East Appr. Pav't.	306+94.79	18.00	522.42	522.59
A3	307+04.79	18.00	522.42	522.59
A4	307+14.79	18.00	522.41	522.58
E. End East Appr. Pav't	307+24.79	18.00	522.39	522.56

SOUTH GUTTER LINE

Location	Station	Offset	Theoretical Grade Elevations	
			Top Conc.	Top Asphalt
W. End East Appr. Pav't.	306+96.93	26.00	522.26	522.43
A3	307+06.93	26.00	522.22	522.39
A4	307+16.93	26.00	522.17	522.34
E. End East Appr. Pav't	307+26.93	26.00	522.11	522.27

FILE NAME = L:\Medison Co\16401-32-00\Drawn\...
CADD_Sheets\Bridges\0600183-010-E_APPR_SLAB_ELEV.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:11:46 PM)	CHECKED - PA	REVISED -

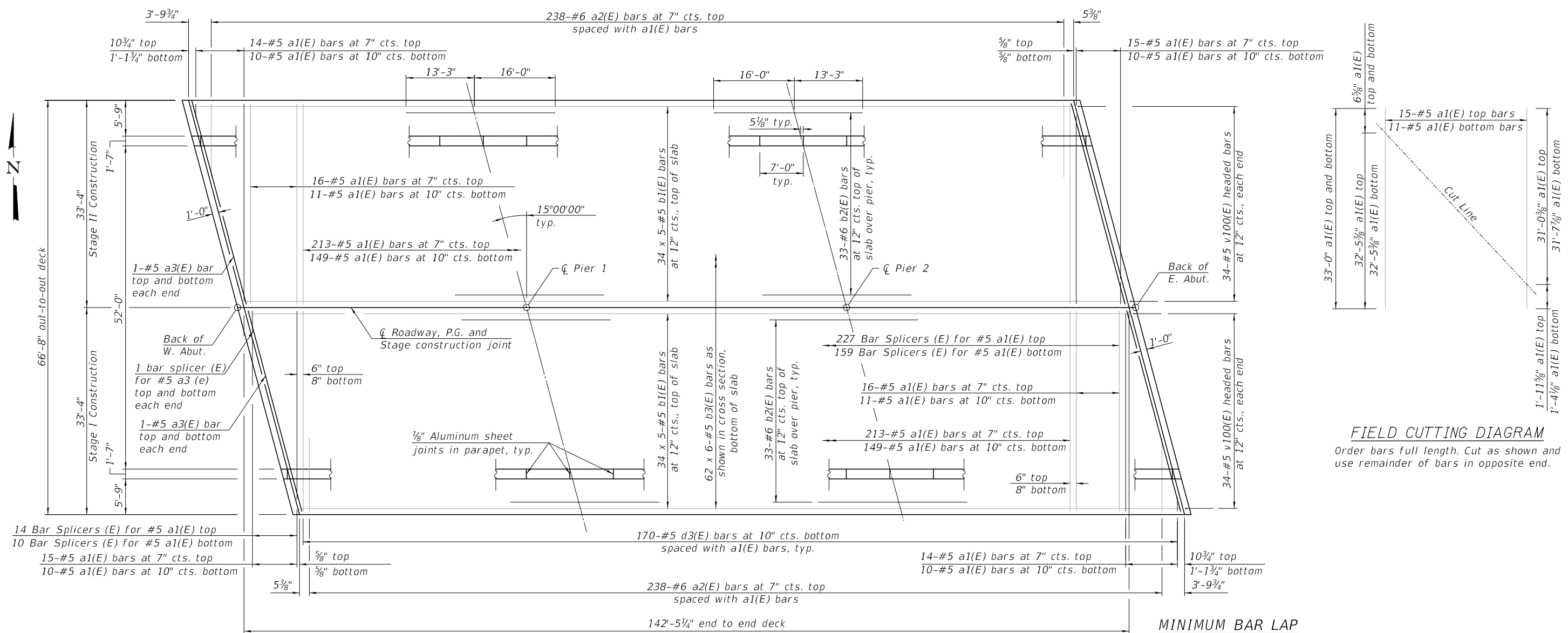
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 060-0183

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	38
CONTRACT NO. 97683				

SHEET NO. 10 OF 20 SHEETS

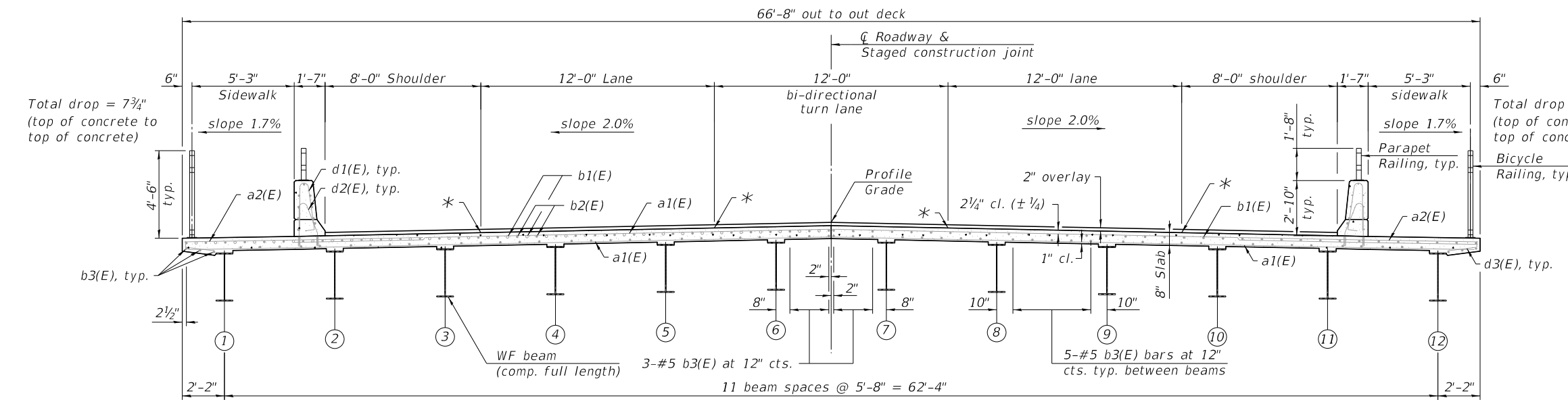
ILLINOIS FED. AID PROJECT



PLAN

MINIMUM BAR LAP
#5 bar = 3'-6"

Notes:
See sheet 12 of 20 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet 12 of 20 for parapet reinforcement.
See sheet 13 of 20 for Railing details.



CROSS SECTION (Looking east)

* Longitudinal Joint Sealant (End of Approach Slab to End of Approach Slab)

FILE NAME = L:\Medison_Co\16401-32-00\Drawn\...
CADD_Sheets\Bridges\0600183-011-SUPERSTRUCTURE_DECK.dgn
License No. 184-000613 © Copyright CMT, Inc.



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - PA	REVISED -
PLOT DATE = 12/7/2018 (12:12:09 PM)	DRAWN - DWL	REVISED -
	CHECKED - PA	REVISED -

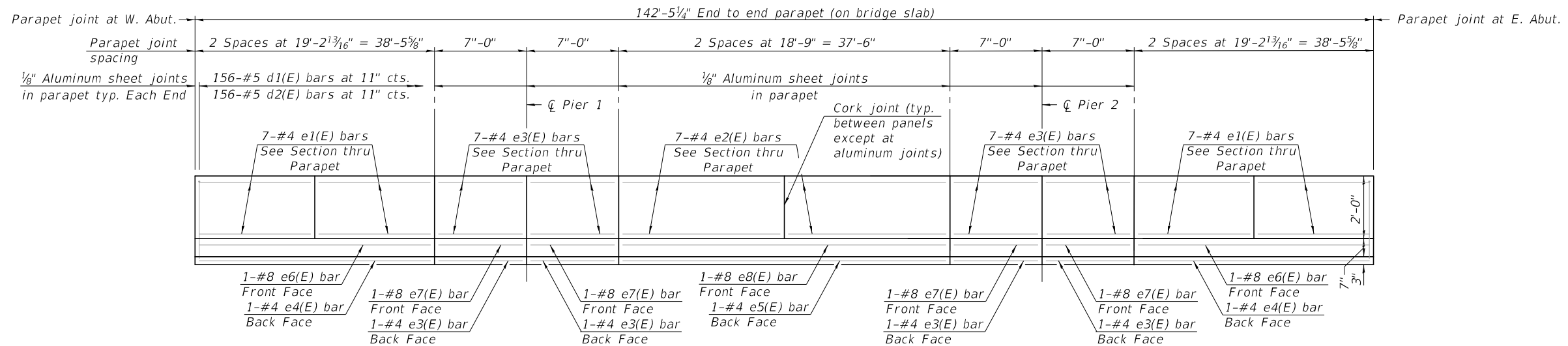
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 060-0183

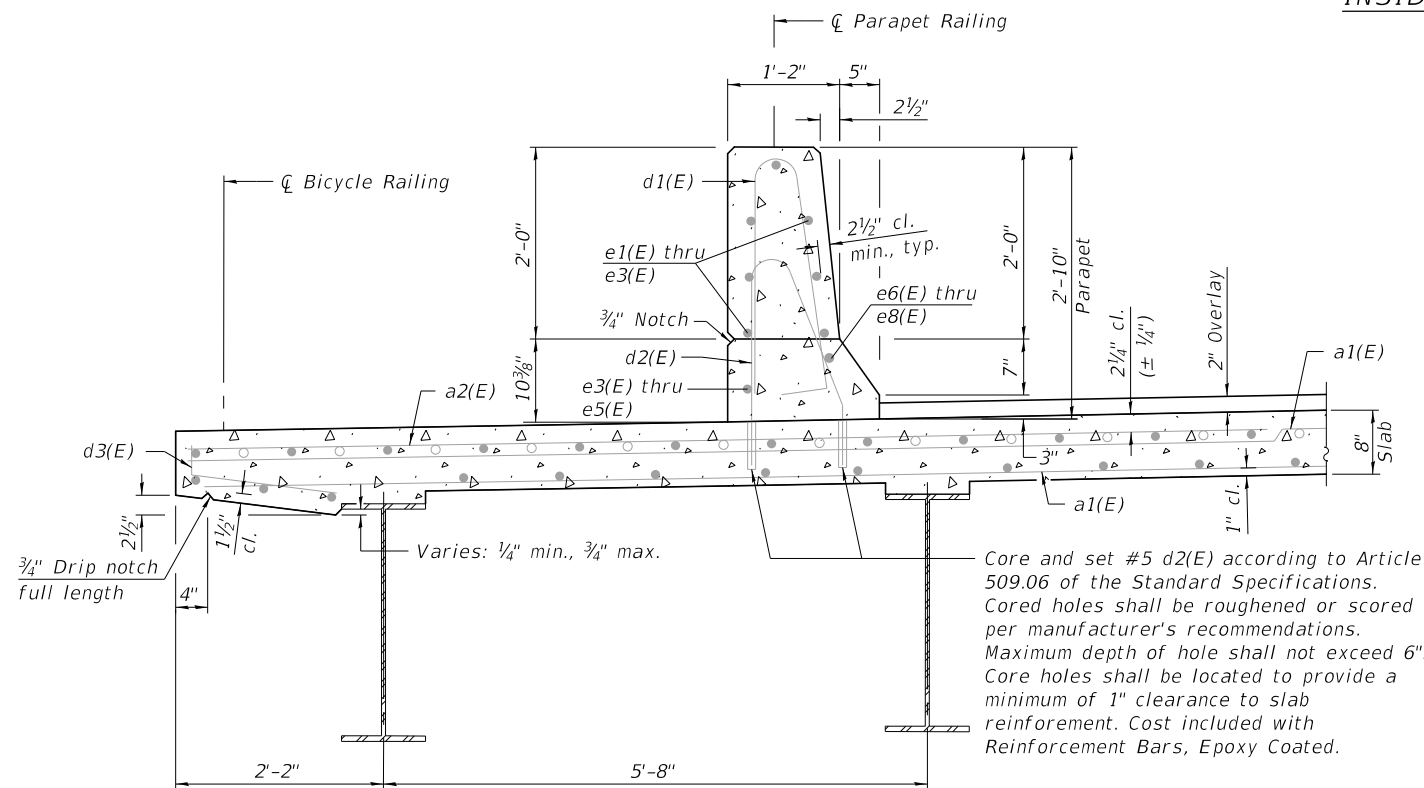
SHEET NO. 11 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	39
CONTRACT NO. 97683				

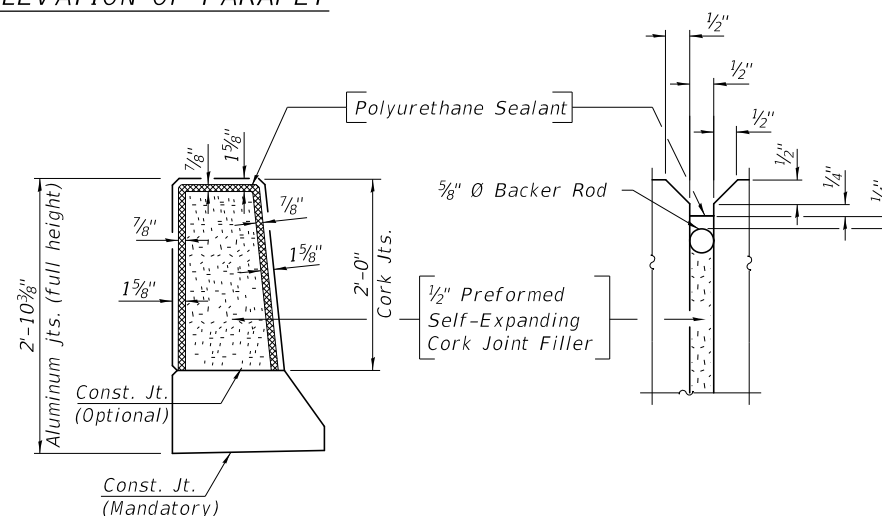
ILLINOIS FED. AID PROJECT



INSIDE ELEVATION OF PARAPET



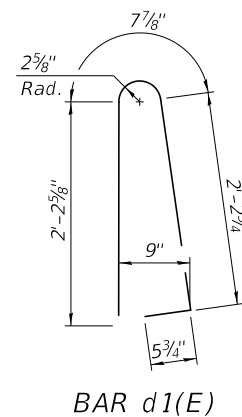
SECTION THRU PARAPET



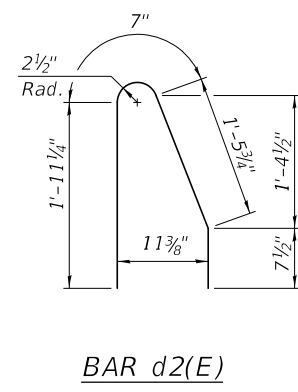
PARAPET JOINT DETAILS

Notes:

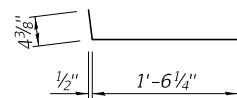
The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 The Polyurethane Sealant shall be according to Article 1050.14 of the Std. Spec. and the color shall be grey.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 For Parapet Railing details, see sheet 13 of 20.



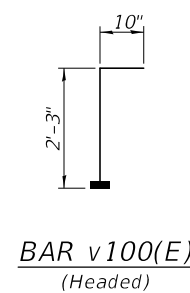
BAR d1(E)



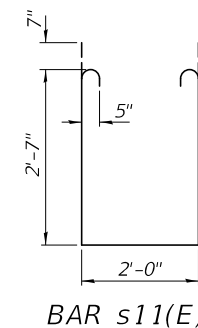
BAR d2(E)



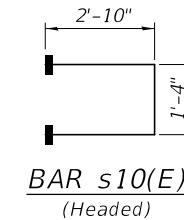
BAR d3(E)



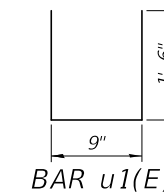
BAR v100(E)
(Headed)



BAR s11(E)



BAR s10(E)
(Headed)



BAR u1(E)

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	830	#5	33'-0"	—
a2(E)	476	#6	12'-3"	—
a3(E)	4	#5	34'-2"	—
b1(E)	340	#5	31'-5"	—
b2(E)	132	#6	29'-3"	—
b3(E)	372	#5	26'-8"	—
d1(E)	312	#5	5'-7"	—
d2(E)	312	#5	4'-8"	—
d3(E)	340	#5	1'-11"	—
e1(E)	56	#4	18'-10"	—
e2(E)	28	#4	18'-5"	—
e3(E)	64	#4	6'-8"	—
e4(E)	4	#4	38'-1"	—
e5(E)	2	#4	37'-2"	—
e6(E)	4	#8	38'-1"	—
e7(E)	8	#8	6'-8"	—
e8(E)	2	#8	37'-2"	—
m10(E)	32	#6	34'-2"	—
m11(E)	80	#6	5'-6"	—
m12(E)	16	#6	1'-10"	—
m13(E)	48	#5	4'-0"	—
m14(E)	16	#6	2'-7"	—
s10(E)	140	#5	7'-0"	□
s11(E)	120	#5	8'-4"	□
v100(E)	136	#5	3'-1"	┌
u10(E)	136	#4	3'-9"	┐
Reinforcement Bars, Epoxy Coated		Lbs.	76,360	
Concrete Superstructure		Cu. Yds.	334.6	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

FILE NAME = L:\Medison Co\16401-32-80N-D-001\CADD_Sheets\Bridges\0600183-012-PARAPET_DETAILS.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - PA	REVISED -
PLOT DATE = 12/7/2018 (12:12:36 PM)	DRAWN - DWL	REVISED -
	CHECKED - PA	REVISED -

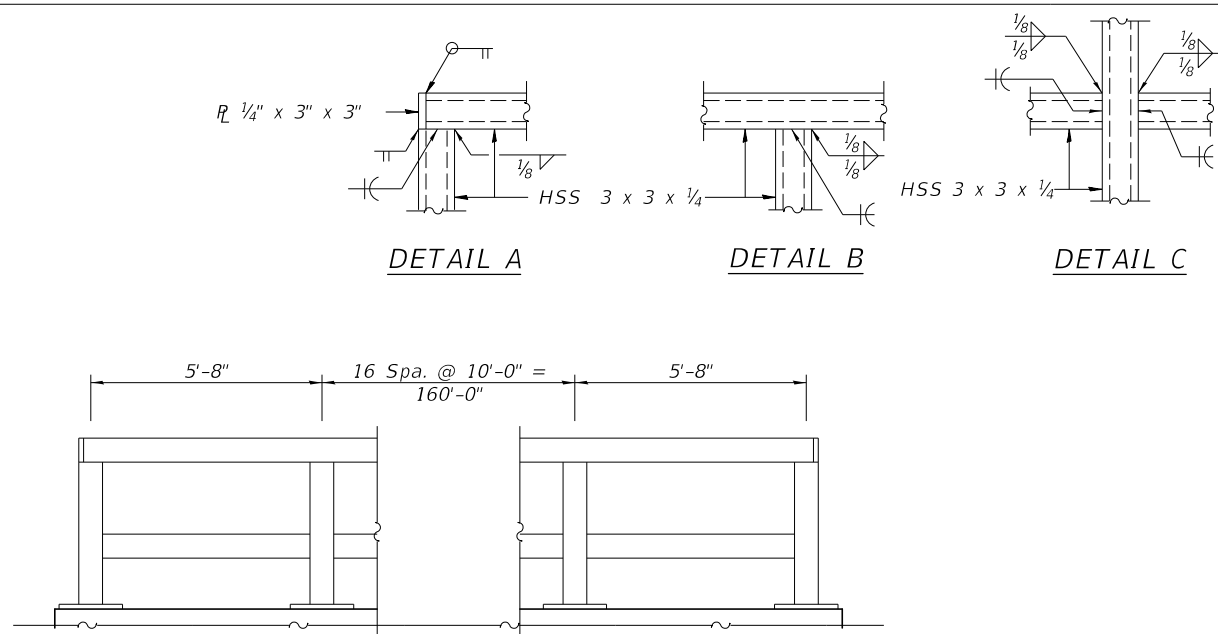
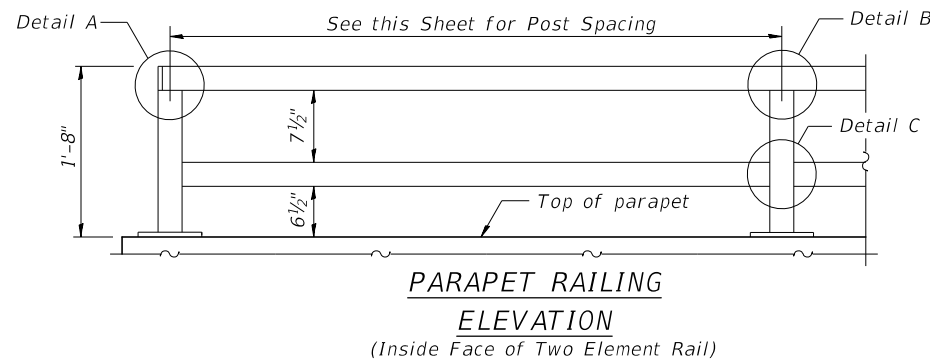
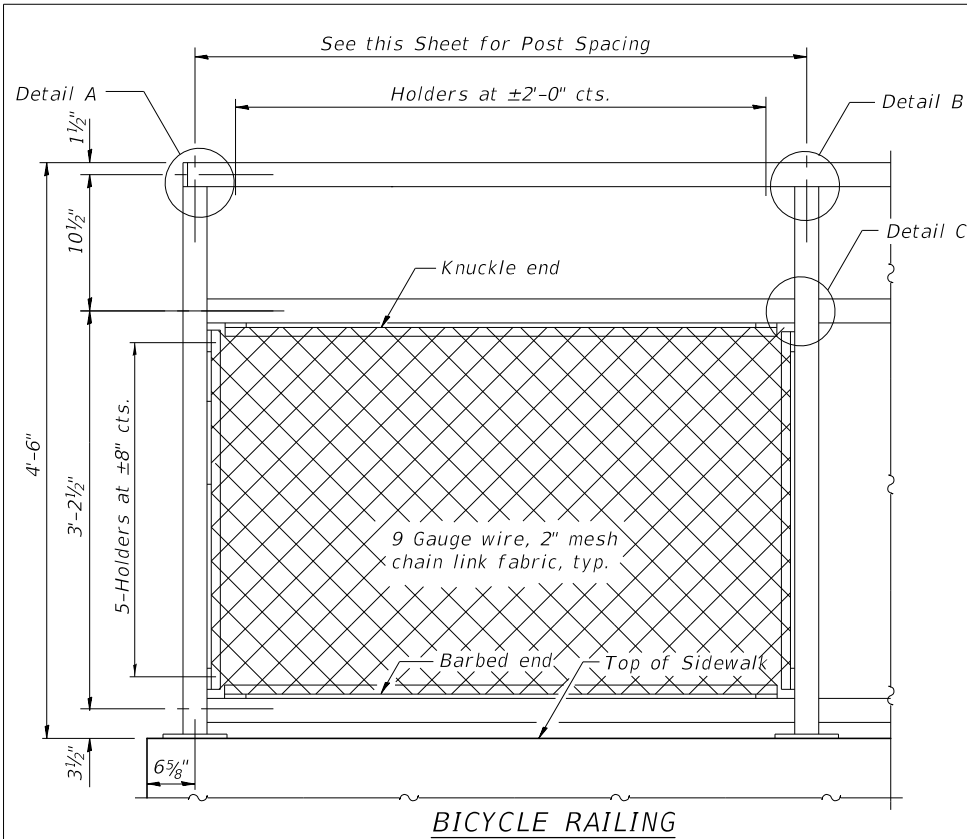
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 060-0183

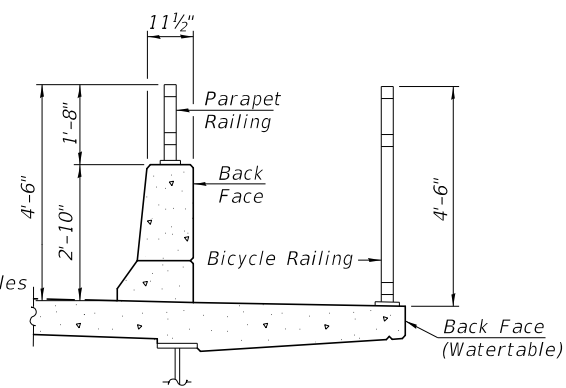
SHEET NO. 12 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	40
CONTRACT NO. 97683				

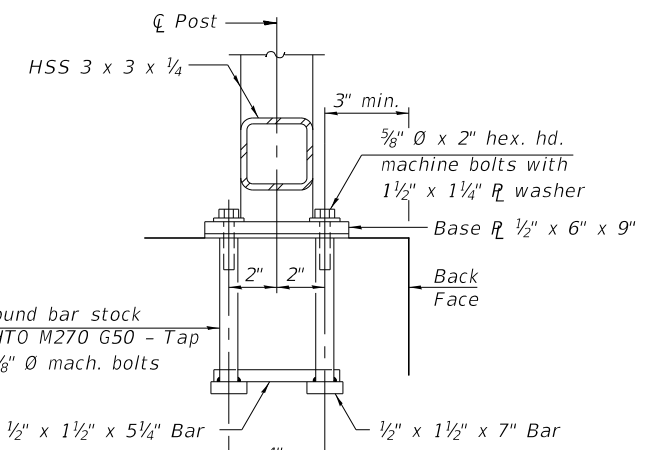
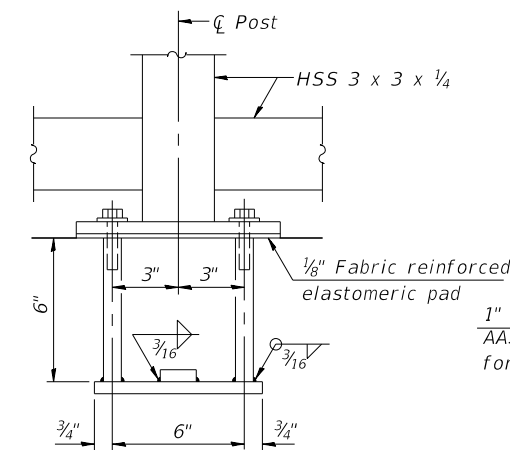
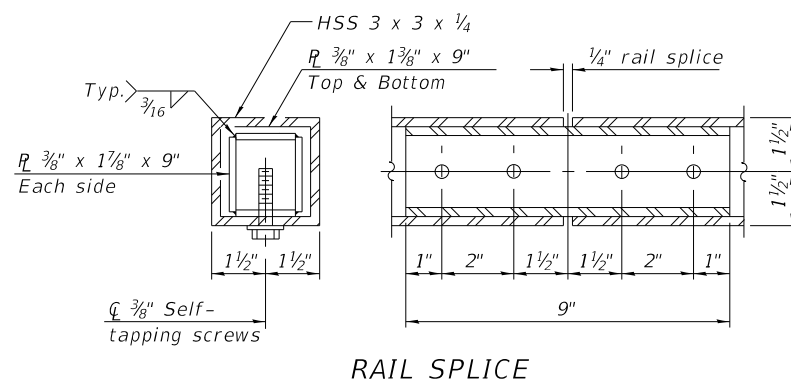
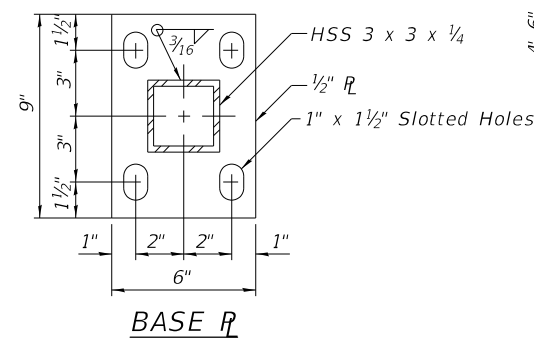
ILLINOIS FED. AID PROJECT



POST SPACING FOR PARAPET AND BICYCLE RAILING
(Two Element Rail Shown - Three Element Rail Similar)



SECTION THRU DECK



In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	343
Parapet Railing	Foot	343

Notes:
All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.
CVN testing may be omitted for the Bicycle Railing.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

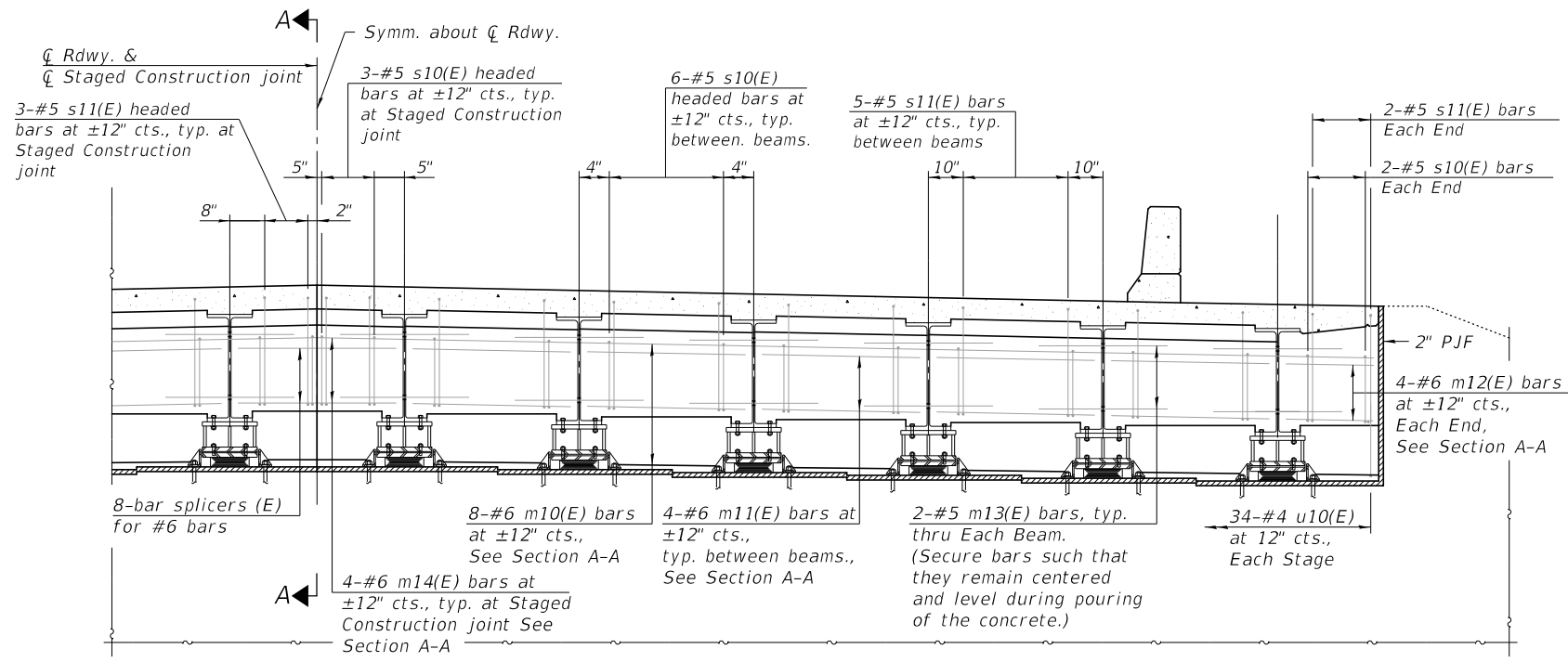
BICYCLE AND PARAPET RAILING DETAILS
STRUCTURE NO. 060-0183

SHEET NO. 13 OF 20 SHEETS

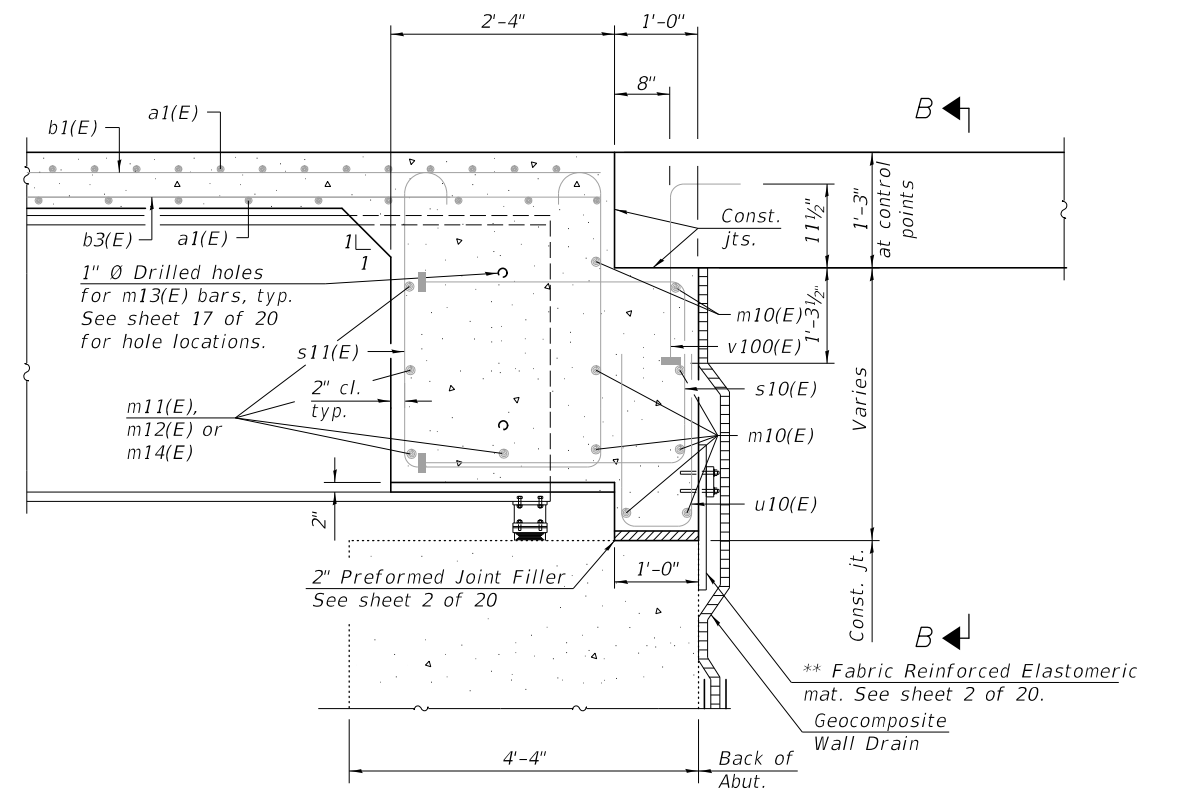
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	41
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - PA	REVISED -
PLOT DATE = 12/7/2018 (12:13:03 PM)	DRAWN - DWL	REVISED -
	CHECKED - PA	REVISED -

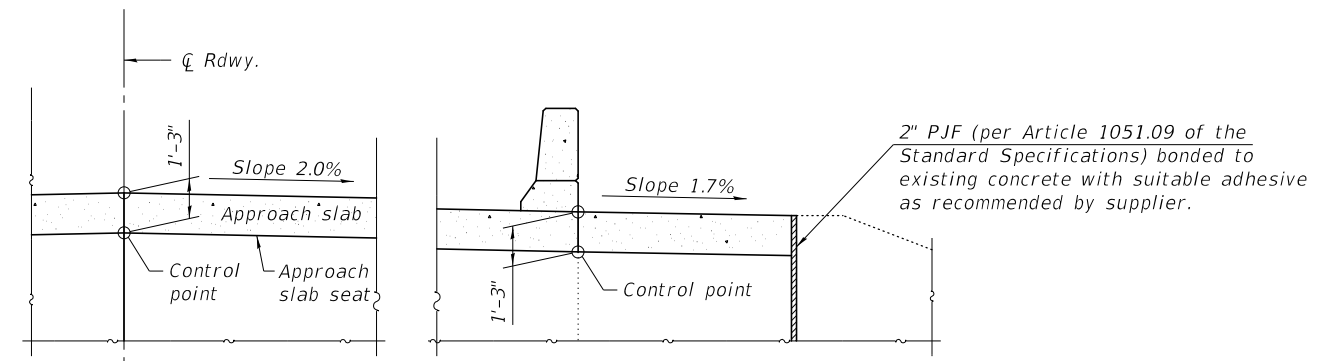


DIAPHRAGM AT ABUTMENT

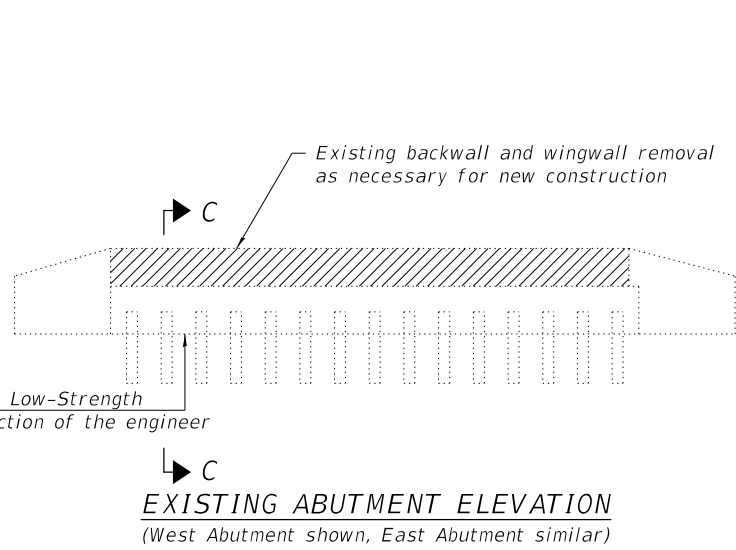


SECTION A-A
(@ Rt. L's)

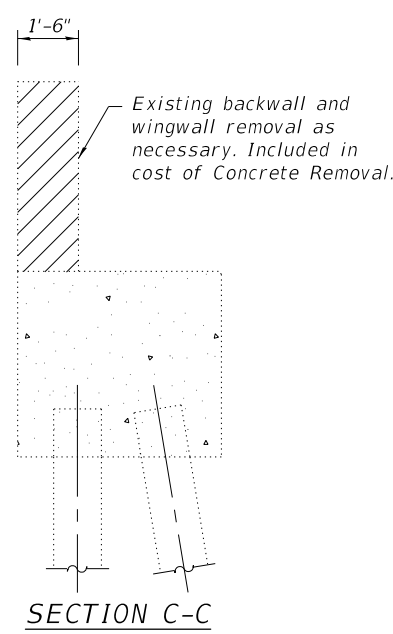
** Cost included with Concrete Superstructure.



SECTION B-B

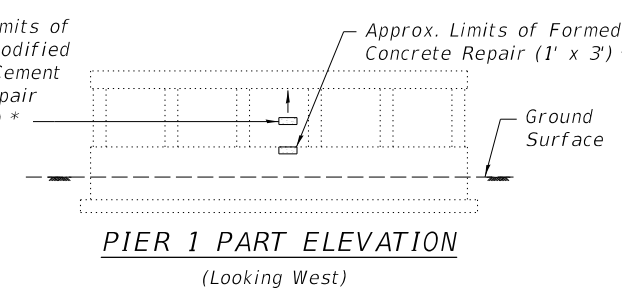


EXISTING ABUTMENT ELEVATION
(West Abutment shown, East Abutment similar)



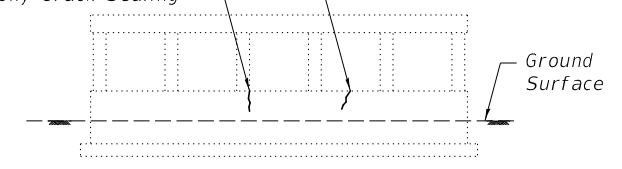
SECTION C-C

Approx. Limits of Polymer Modified Portland Cement Mortar Repair (3' x 2'-6") *

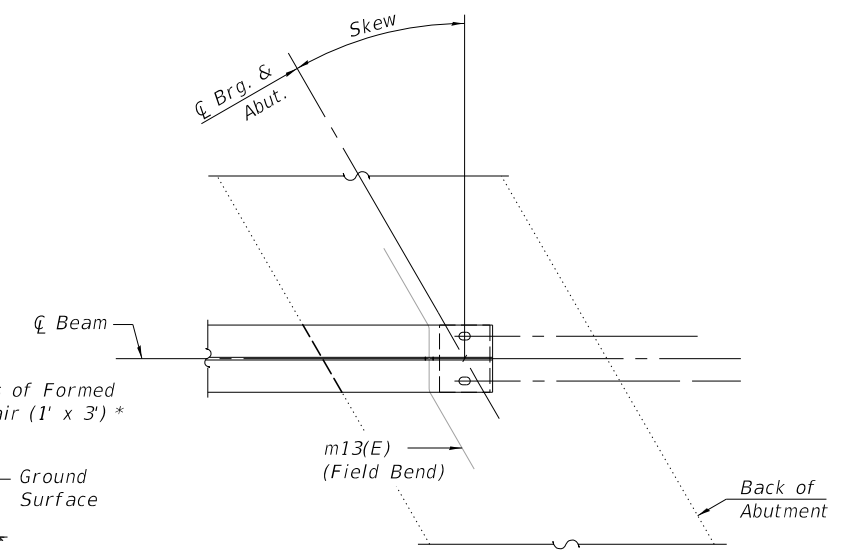


PIER 1 PART ELEVATION
(Looking West)

Approx. Limits of Epoxy Crack Sealing *



PIER 2 PART ELEVATION
(Looking East)



PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
 Reinforcement bars in diaphragm are billed with superstructure on sheet 12 of 20.
 Concrete in diaphragm is included with Concrete Superstructure on sheet 12 of 20.
 For details of bars s10(E), s11(E) and v100(E) see sheet 12 of 20.
 The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
 The approach slab seat shall have a constant slope determined from the control points shown.
 For bearing details see sheets 18 & 19 of 20.
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
 Asphalt overlay not shown on this sheet for clarity.

* The Contractor shall determine the limits of Structural Repair of Concrete. The Engineer shall verify the final quantity.

FILE NAME = L:\Medison_Co\16401-32-800-D-001-CADD_Sheets\Bridges\0600183-014-DIAPHRAGM_DETALLS.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
CHECKED - PA	REVISOR -	
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISOR -
PLOT DATE = 12/7/2018 (12:13:33 PM)	CHECKED - PA	REVISOR -

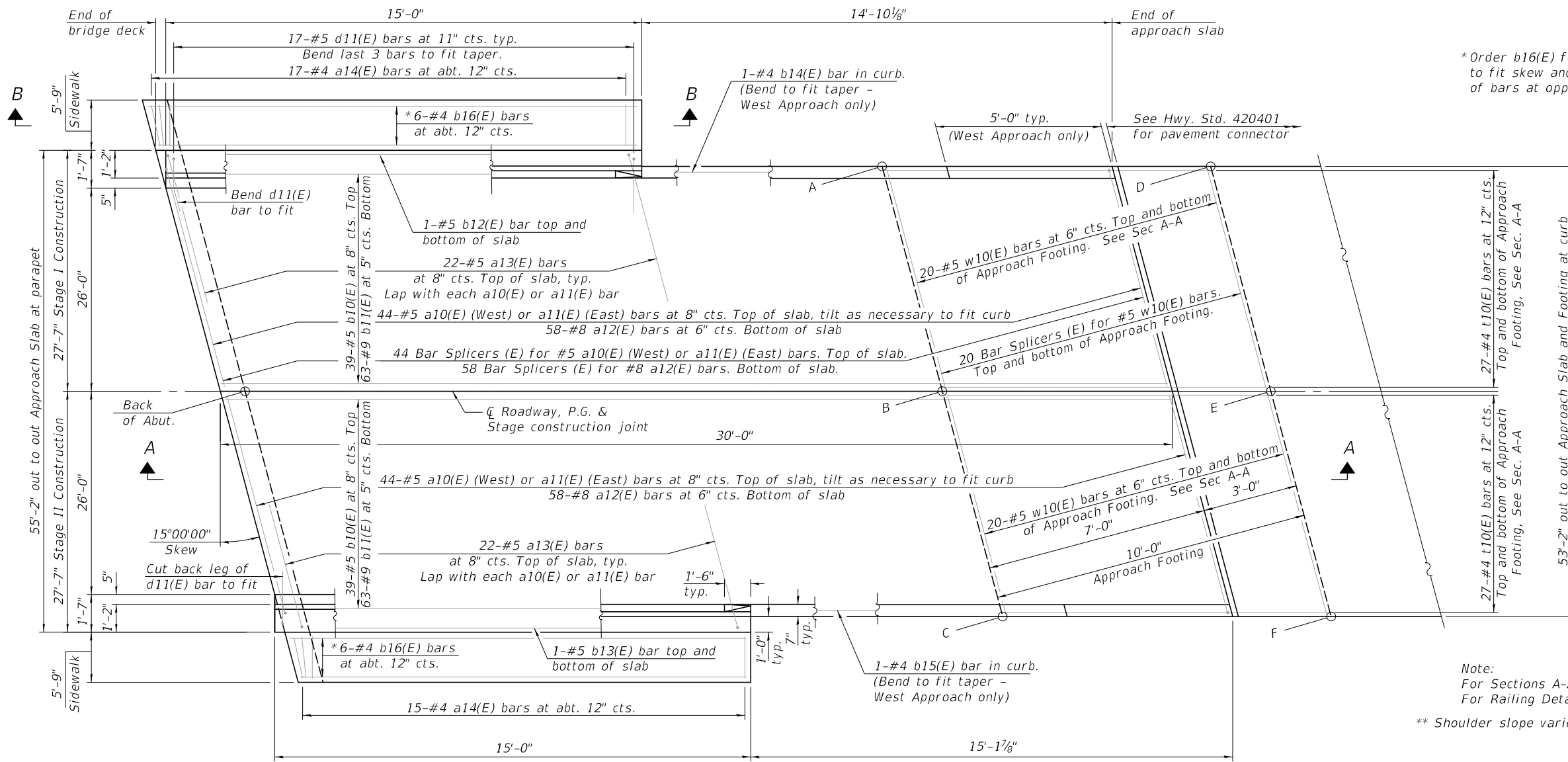
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM AND SUBSTRUCTURE REPAIR DETAILS
STRUCTURE NO. 060-0183

SHEET NO. 14 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	42
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT



*Order b16(E) full length. Cut to fit skew and use remainder of bars at opposite approach.

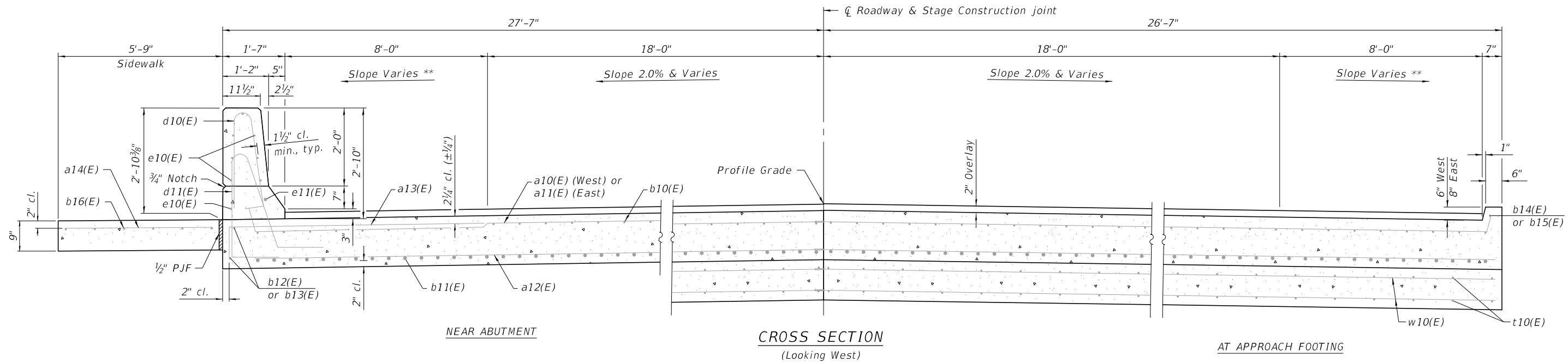
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTINGS

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	519.56	518.72	520.91	520.08
B	519.89	519.06	521.52	520.69
C	519.22	518.39	520.88	520.05
D	519.41	518.58	520.85	520.02
E	519.69	518.86	521.50	520.67
F	518.98	518.15	520.82	519.99

Note:
For Sections A-A and B-B, see sheet 16 of 20.
For Railing Details, see sheet 13 of 20.

** Shoulder slope varies. Follow top of slab elevations.

PLAN
(West Approach shown. East Approach similar.)



FILE NAME = L:\Medison_Co\16401-32-00\Drawings\CADD_Sheets\Bridges\0600183-015-APPROACH_SLAB_DET.RAI.S.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - PA	REVISED -
PLOT DATE = 12/7/2018 (12:14:00 PM)	DRAWN - DWL	REVISED -
	CHECKED - PA	REVISED -

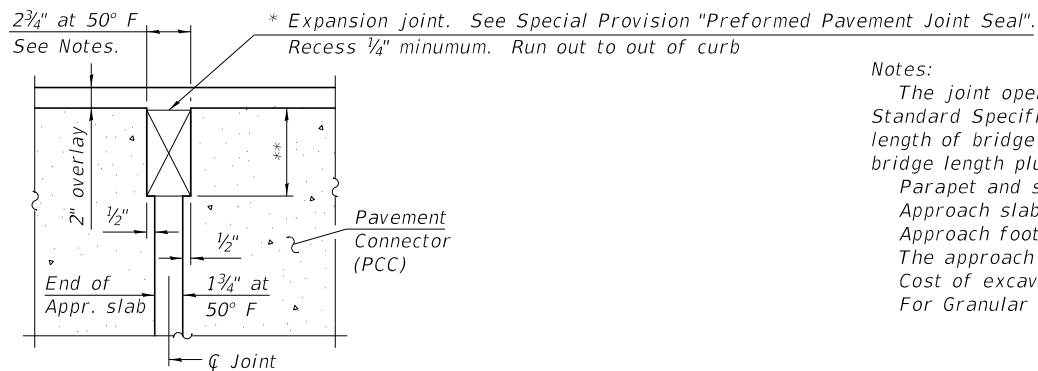
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 060-0183

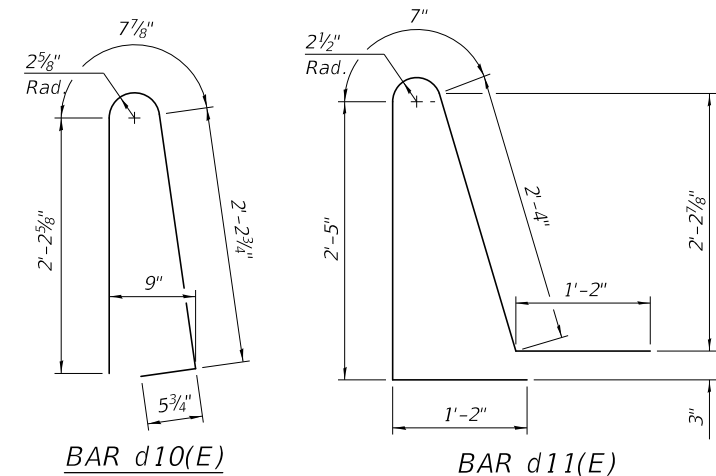
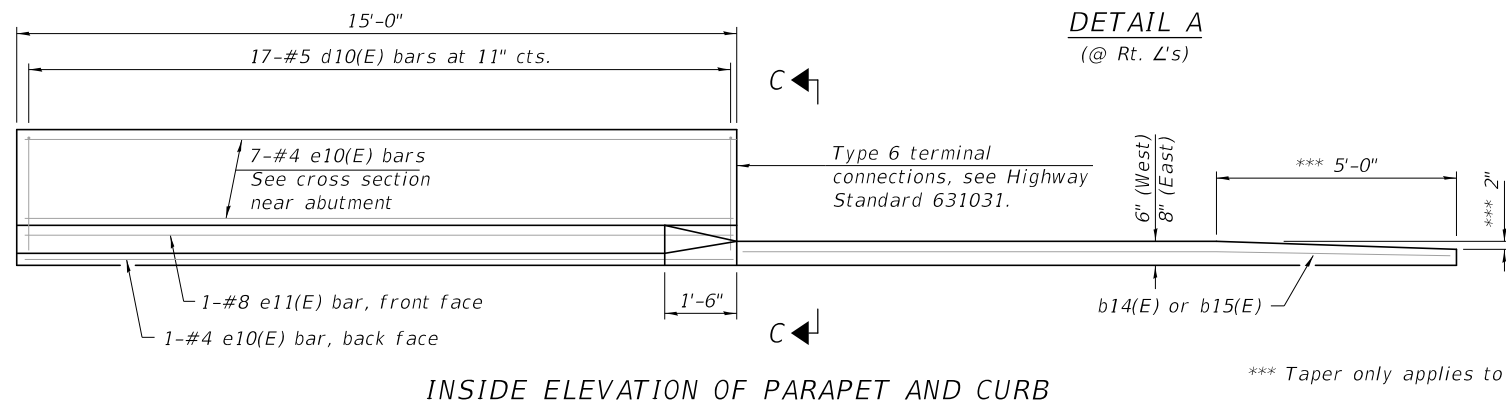
SHEET NO. 15 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	43
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

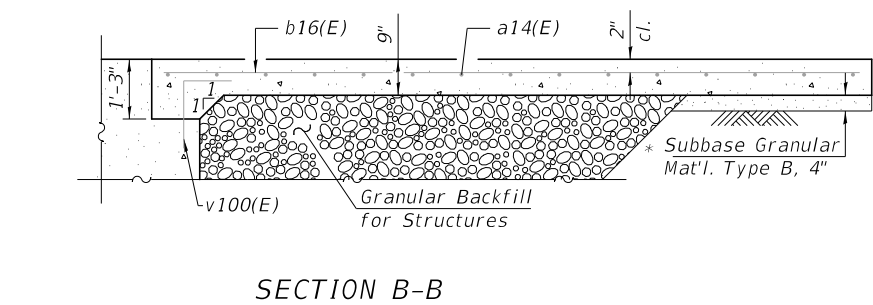
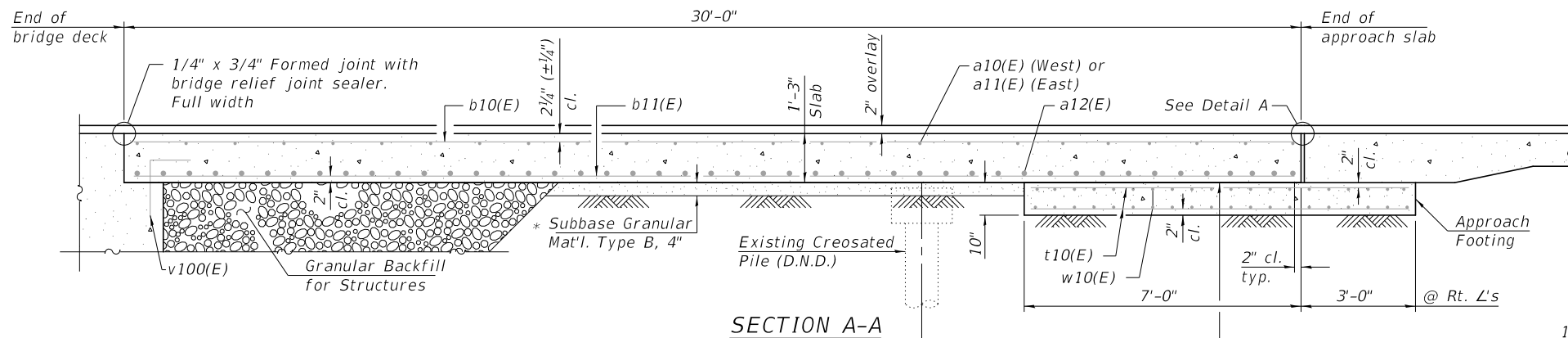


Notes:
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.
Parapet and sidewalk concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 20.

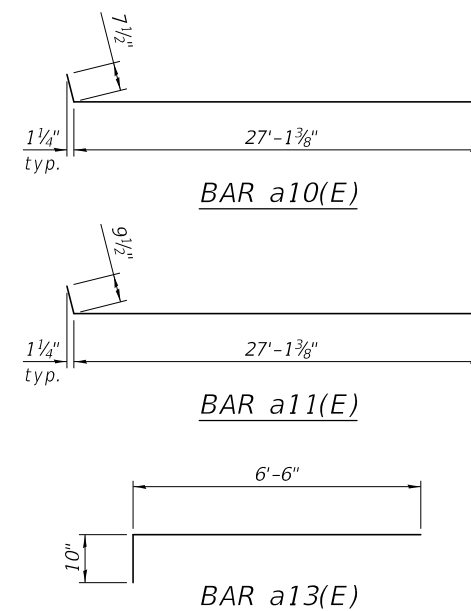
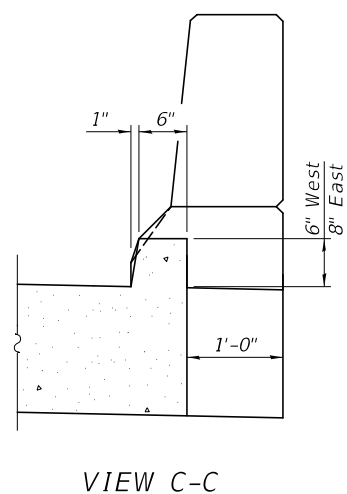


TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	88	#5	27'-9"	
a11(E)	88	#5	27'-11"	
a12(E)	232	#8	27'-2"	
a13(E)	88	#5	7'-4"	
a14(E)	64	#4	5'-5"	
b10(E)	156	#5	29'-8"	
b11(E)	252	#9	29'-8"	
b12(E)	4	#5	14'-8"	
b13(E)	4	#5	14'-5"	
b14(E)	2	#4	14'-6"	
b15(E)	2	#4	14'-9"	
b16(E)	12	#4	29'-4"	
d10(E)	68	#5	5'-7"	
d11(E)	68	#5	7'-8"	
e10(E)	32	#4	14'-8"	
e11(E)	4	#8	14'-8"	
t10(E)	216	#4	10'-0"	
w10(E)	160	#5	27'-2"	
Concrete Superstructure		Cu. Yd.	17.7	
Concrete Superstructure (Approach Slab)		Cu. Yd.	149.4	
Concrete Structures		Cu. Yd.	34.0	
Reinforcement Bars, Epoxy Coated		Pound	60,870	



* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations.



FILE NAME = L:\Medison_Co\16401-32-00\Drawings\CADD_Sheets\Bridges\0600183-016-APPROACH_SLAB_DET.A11.S.dgn



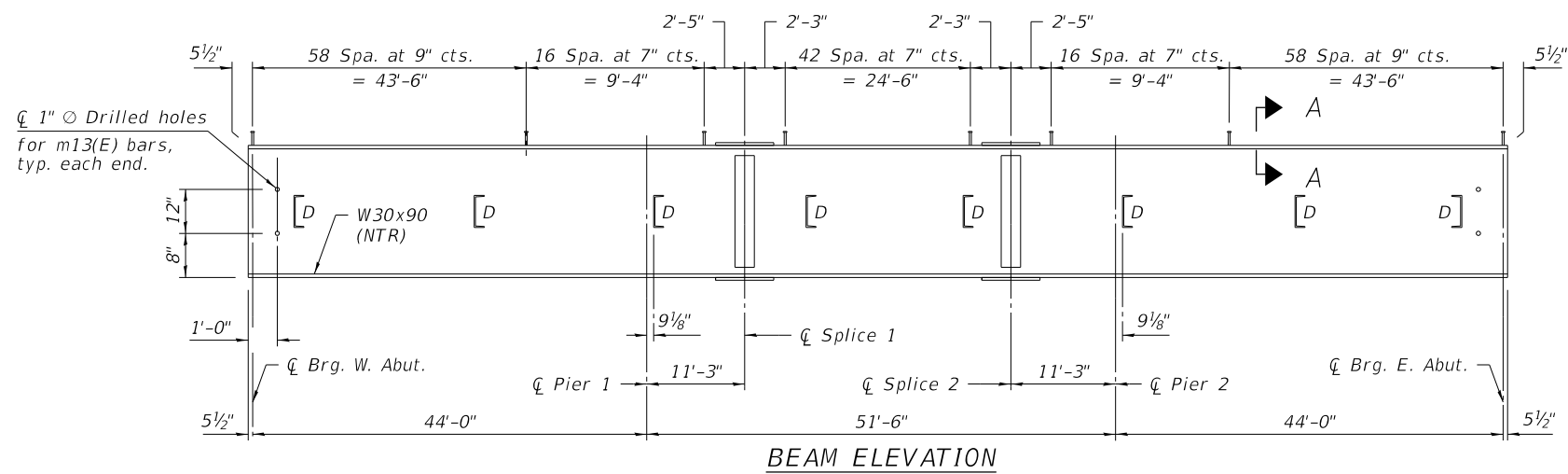
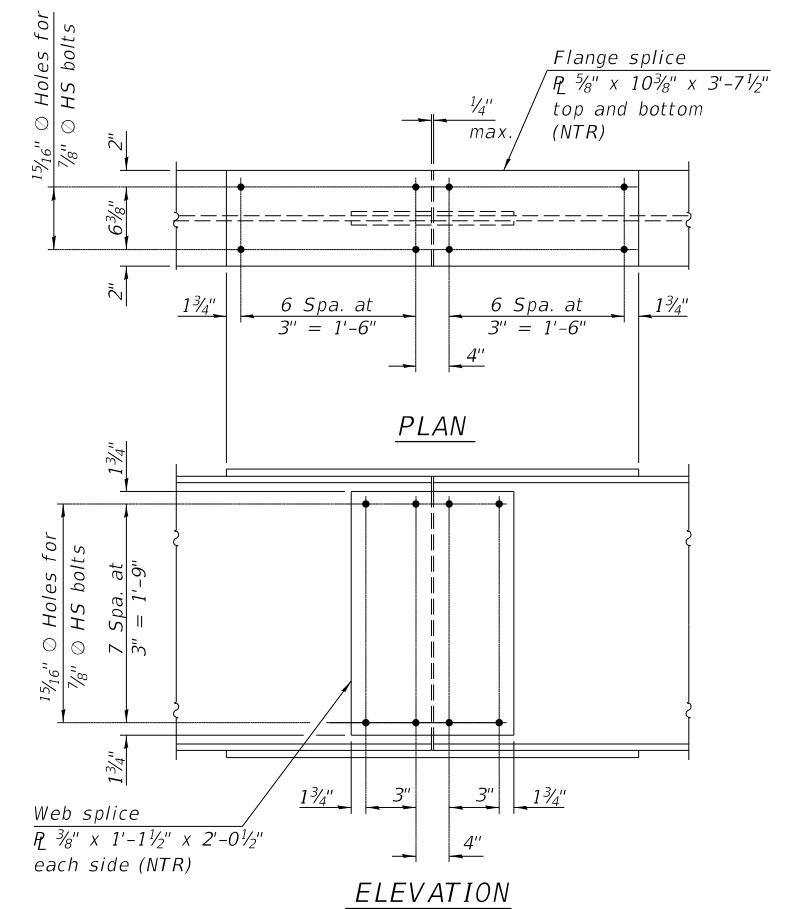
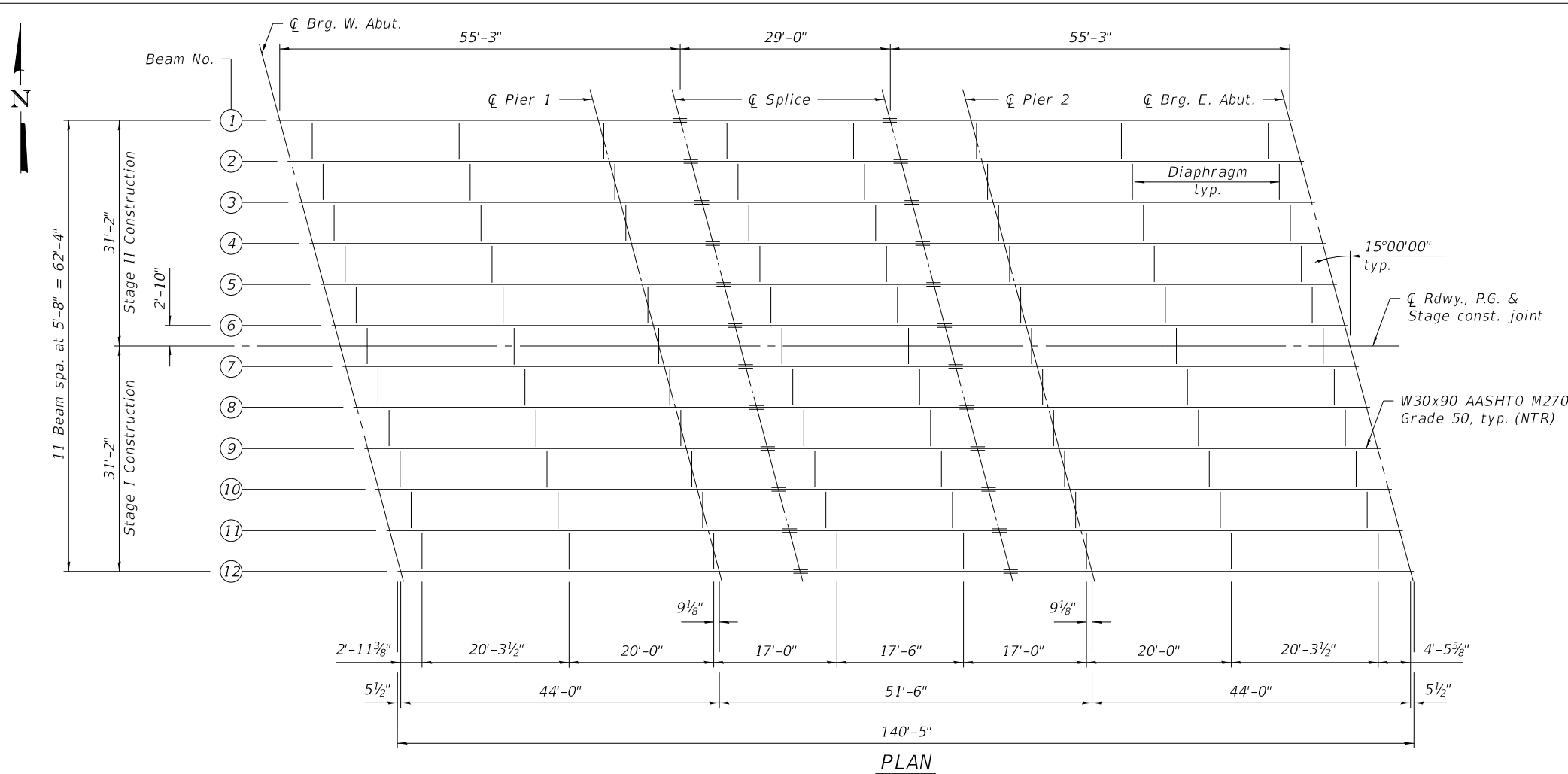
USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - PA	REVISED -
PLOT DATE = 12/7/2018 (12:14:26 PM)	DRAWN - DWL	REVISED -
	CHECKED - PA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 060-0183

SHEET NO. 16 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	44
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

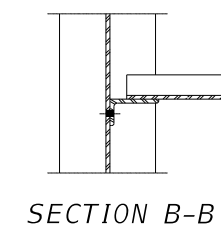


TOP OF BEAM ELEVATIONS FOR FABRICATION ONLY

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7	Beam 8	Beam 9	Beam 10	Beam 11	Beam 12
Cl Brg. W. Abut.	520.02	520.15	520.29	520.42	520.56	520.70	520.73	520.64	520.55	520.46	520.37	520.29
Cl Pier 1	520.59	520.72	520.85	520.98	521.11	521.24	521.26	521.16	521.06	520.97	520.87	520.78
Cl Splice 1	520.74	520.86	520.99	521.12	521.25	521.38	521.39	521.30	521.20	521.10	521.00	520.91
Cl Splice 2	521.02	521.13	521.26	521.38	521.51	521.63	521.64	521.54	521.44	521.33	521.23	521.14
Cl Pier 2	521.09	521.20	521.32	521.45	521.57	521.69	521.70	521.60	521.49	521.39	521.28	521.19
Cl Brg. E. Abut.	521.35	521.46	521.58	521.69	521.81	521.92	521.93	521.81	521.70	521.59	521.48	521.38

Notes:

All stringers and splice plates shall be AASHTO M270, Grade 50 steel (NTR).
 Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.
 All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.



INTERIOR DIAPHRAGM

Notes:

Two hardened washers required for each set of oversized holes.
 *Alternate channels are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no additional cost to the Department.
 **3/4" HS bolts, 1 1/16" holes

FILE NAME = L:\Medison Co\16401-32-00\Drawn\...
 CADD_Sheets\Bridges\0600183-017-FRAMING PLAN.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
CHECKED - PA	CHECKED - PA	REVISED -
PLOT SCALE = 0:2.0000 1' = 1/4"	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:14:51 PM)	CHECKED - PA	REVISED -

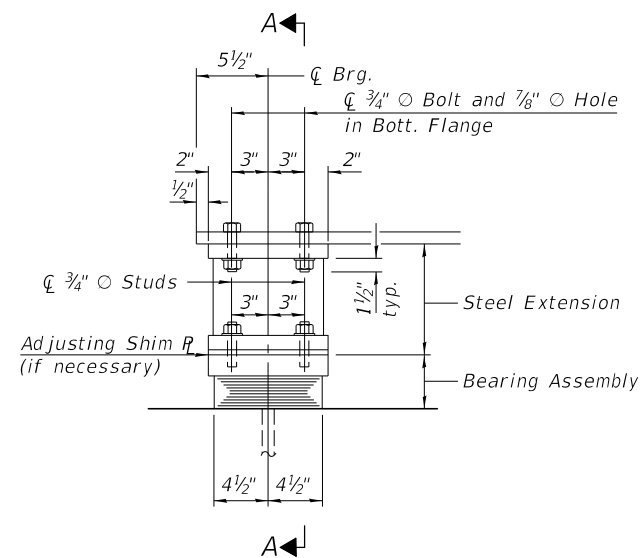
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
 STRUCTURE NO. 060-0183

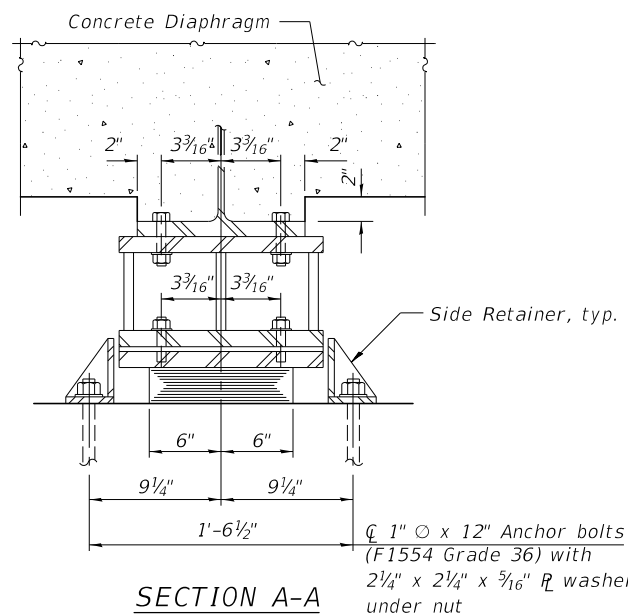
SHEET NO. 17 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	45
CONTRACT NO. 97683				

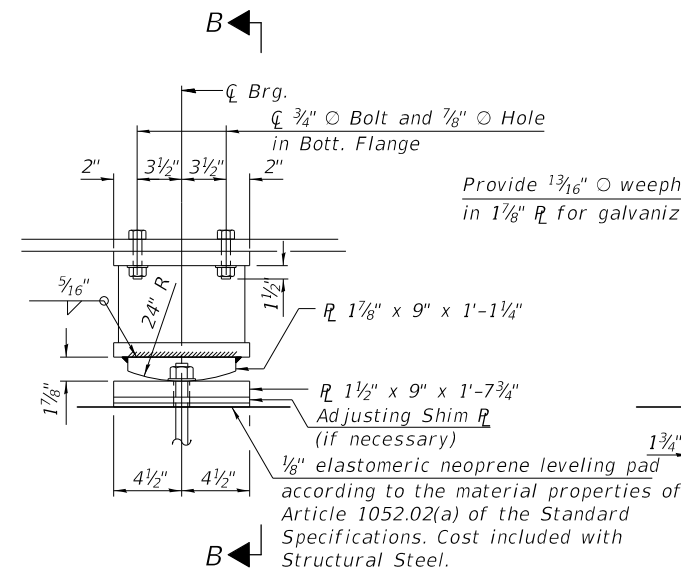
ILLINOIS FED. AID PROJECT



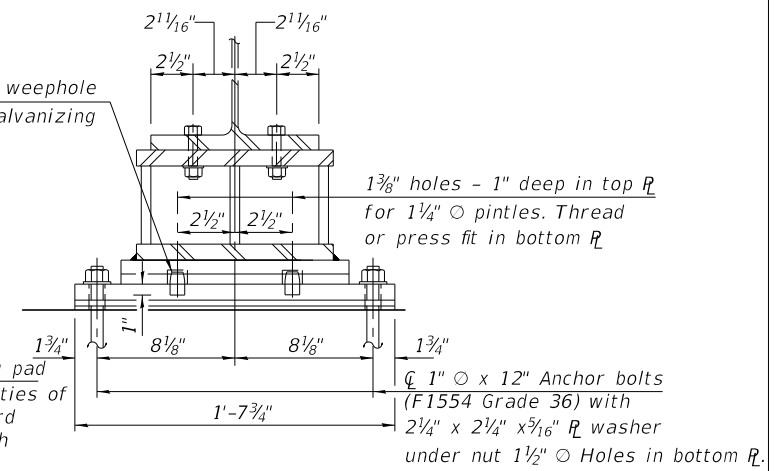
ELEVATION AT ABUT.



SECTION A-A



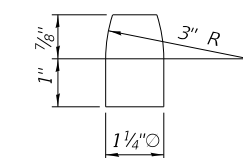
ELEVATION AT PIER



SECTION B-B

TYPE I ELASTOMERIC EXP. BRG. AT ABUTMENTS

FIXED BEARING AT PIER 1

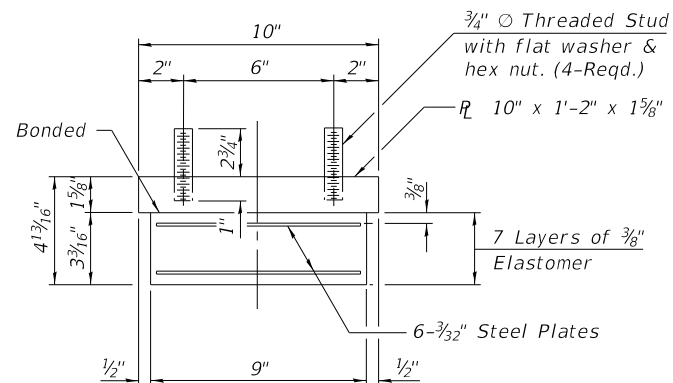


PINTLE

Notes:
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
 Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
 For details of bearings at Pier 2, see sheet 17 of 20.
 Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
 All (embedded and separate) bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.
 Remove existing bearings and burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy. Cost is incidental to "Removal of Existing Superstructure".

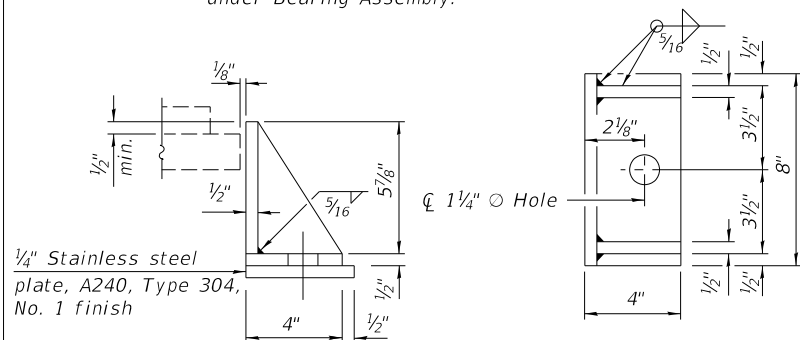
Location	Beam	A*	B	C
W. Abut.	1-3	6 1/4"	10"	1'-2"
	4-5 & 8-12	7 1/4"		
	6-7	8 3/4"		
Pier 1	1-5 & 8-12	8 7/8"	11"	1'-0"
	6-7	10 3/8"		
	9-12	8 1/2"		
Pier 2	1-5 & 8	9 1/8"	1'-0"	1'-6"
	6-7	10 1/2"		
	9-12	8 1/2"		
E. Abut.	1-5 & 8	7 1/4"	10"	1'-2"
	6-7	8 3/4"		
	9-12	6 1/4"		

* Prior to ordering any material, the contractor shall verify in the field all bearing height and shim thickness dimensions.



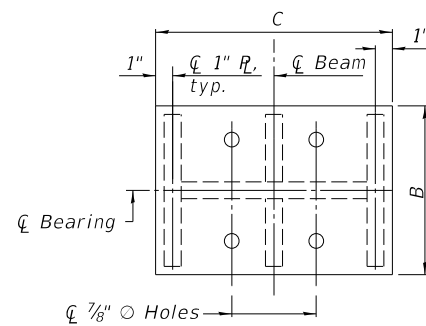
BEARING ASSEMBLY

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

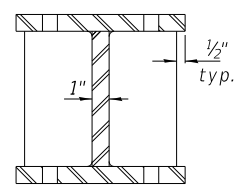


SIDE RETAINER

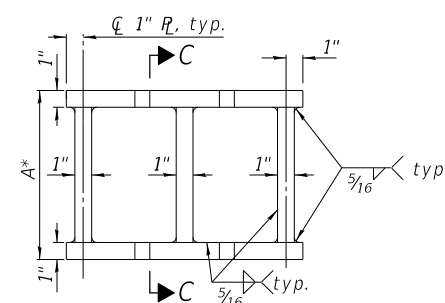
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



PLAN STEEL EXTENSION



SECTION C-C



ELEVATION STEEL EXTENSION

STEEL EXTENSION DETAILS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BEARING DETAILS I
 STRUCTURE NO. 060-0183

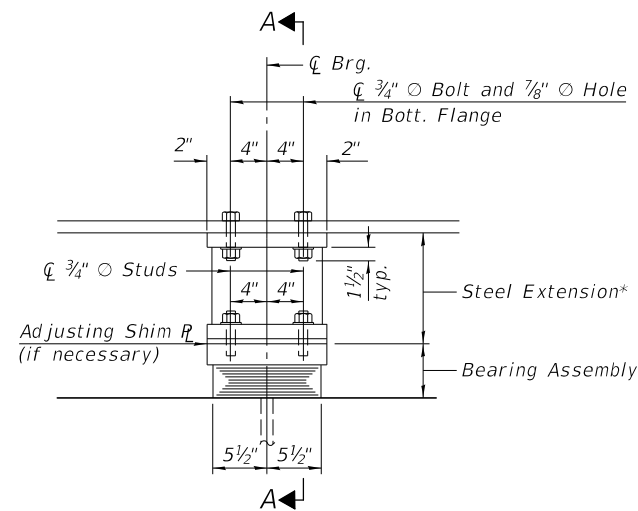
SHEET NO. 18 OF 20 SHEETS

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts, 1"	Each	72

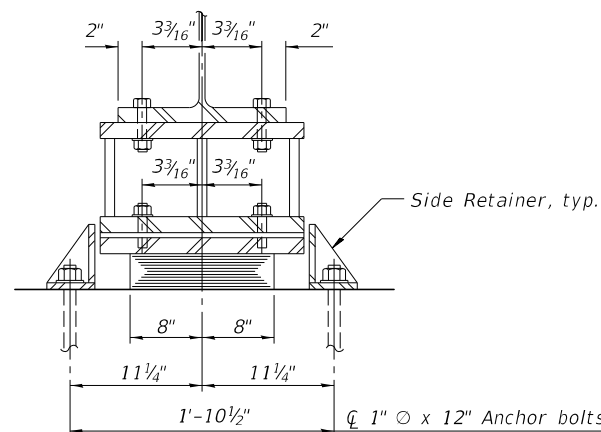
USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
PLOT SCALE = 0:2.0000 1' = 1"	CHECKED - PA	REVISED -
PLOT DATE = 12/7/2018 (12:15:25 PM)	DRAWN - DWL	REVISED -
	CHECKED - PA	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	46
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				



ELEVATION AT PIER

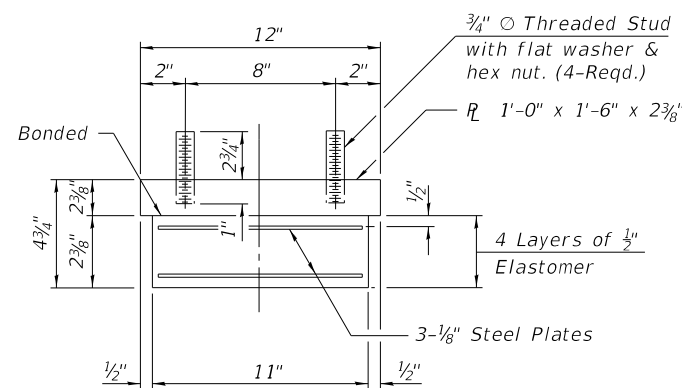
*For steel extension details, see sheet 18 of 20.



SECTION A-A

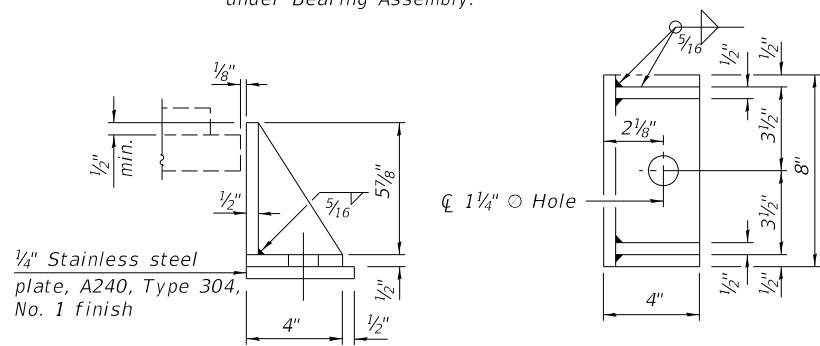
1" x 12" Anchor bolts (F1554 Grade 36) with 2 1/4" x 2 1/4" x 3/16" R washer under nut

TYPE I ELASTOMERIC EXP. BRG. AT PIER 2



BEARING ASSEMBLY

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



SIDE RETAINER

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

INTERIOR GIRDER MOMENT TABLE			
	0.4 Sp. 1 or 0.6 Sp. 3	Pier	0.5 Sp. 2
I_s	3610	3610	3610
$I_c(n)$	11965	11965	11965
$I_c(3n)$	8856	8856	8856
$I_c(cr)$	---	5599	---
S_s	245	245	245
$S_c(n)$	405	405	405
$S_c(3n)$	366	366	366
$S_c(cr)$	---	305	---
DC1	0.695	0.695	0.695
MDC1	99	-157	73
DC2	0.199	0.199	0.199
MDC2	28	-46	20
DW	0.132	0.132	0.132
MDW	19	-30	14
LLDF	0.572	0.563	0.556
$M_L + IM$	389	-317	376
M_u (Strength I)	868	854	795
$\phi r M_n$	2082	1232	2111
f_s DC1	4.85	-7.69	3.58
f_s DC2	0.92	-1.81	0.66
f_s DW	0.62	-1.18	0.46
f_s (L+IM)	11.53	-12.46	11.14
f_s (Service II)	21.38	-26.88	19.18
0.95 RnFyf	47.50	47.50	47.50
f_s (Total)(Strength I)	28.31	-35.46	25.46
$\phi r F_n$	50.00	50.00	50.00
Vr	20.13	27.10	20.57

	GIRDER REACTION TABLE			
	Abut.		Pier	
	Interior	Exterior	Interior	Exterior
LLDF	0.646	0.426	0.646	0.426
OCF	---	1.054	---	---
RDC1 (k)	12.4	11.2	36.8	33.3
RDC2 (k)	3.3	3.3	10.5	10.5
RDW (k)	2.2	0.0	7.0	0.0
R _L (k)	45.3	29.8	70.7	46.5
R _{im} (k)	12.1	8.0	15.1	10.0
R _{Total} (k)	75.3	52.3	140.1	100.3

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All (embedded and separate) bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

Remove existing bearings and burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy. Cost is incidental to "Removal of Existing Superstructure".

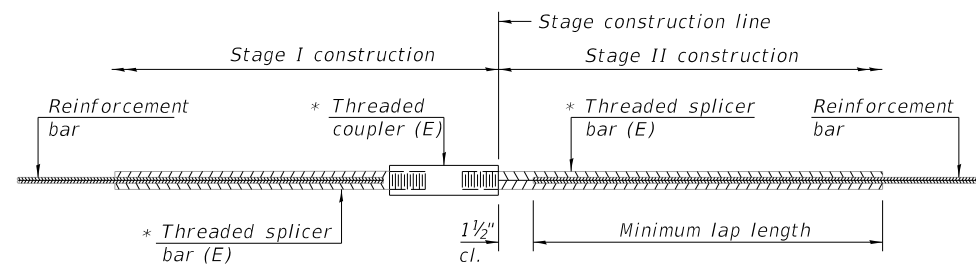
- I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).
- $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).
- $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
- $I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- MDC1: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed wearing surface only) dead load (kips/ft.).
- MDW: Un-factored moment due to long-term composite (superimposed wearing surface only) dead load (kip-ft.).
- LLDF: Live load distribution factor
- $M_L + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- M_u (Strength I): Factored design moment (kip-ft.).
1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 $M_L + IM$
- $\phi r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).
- f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
MDC1 / S_{nc}
- f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
MDC2 / $S_c(3n)$ or MDC2 / $S_c(cr)$ as applicable.
- f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite wearing surface loads as calculated below (ksi).
MDW / $S_c(3n)$ or MDW / $S_c(cr)$ as applicable.
- f_s (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
 $M_L + IM$ / $S_c(n)$ or $M_L + IM$ / $S_c(cr)$ as applicable.
- f_s (Service II): Sum of stresses as computed below (ksi).
 $f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3 f_s(L + IM)$
- 0.95RnFyf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
- f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
1.25 ($f_{sDC1} + f_{sDC2}$) + 1.5 $f_{sDW} + 1.75 f_s(L + IM)$
- $\phi r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
- Vr: Maximum factored shear range in span computed according to Article 6.10.10.
- OCF: Obtuse correction factor

Note:

M_L and R_L include the effects of centrifugal force and superelevation.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	12
Anchor Bolts, 1"	Each	24

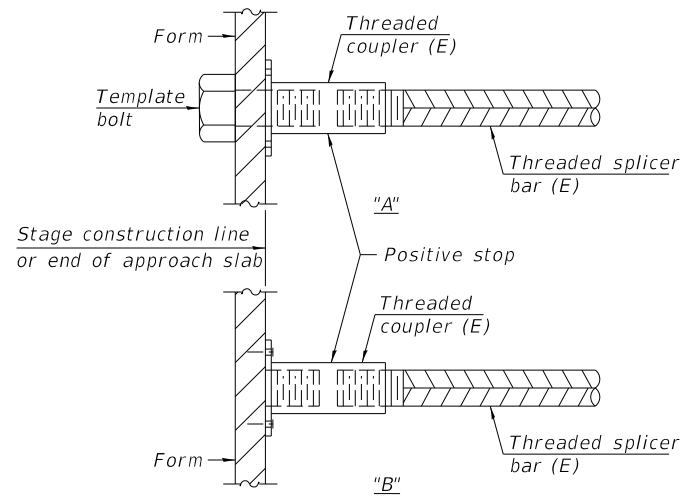


STANDARD BAR SPLICER ASSEMBLY

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
Deck	#5	414	3'-6"
W. Appr. Slab	#5	44	3'-4"
W. Appr. Slab	#8	58	4'-9"
E. Appr. Slab	#5	44	3'-6"
E. Appr. Slab	#8	58	4'-9"
W. Footing	#5	40	3'-4"
E. Footing	#5	40	3'-4"
W. Diaphragm	#6	8	4'-0"
E. Diaphragm	#6	8	4'-0"

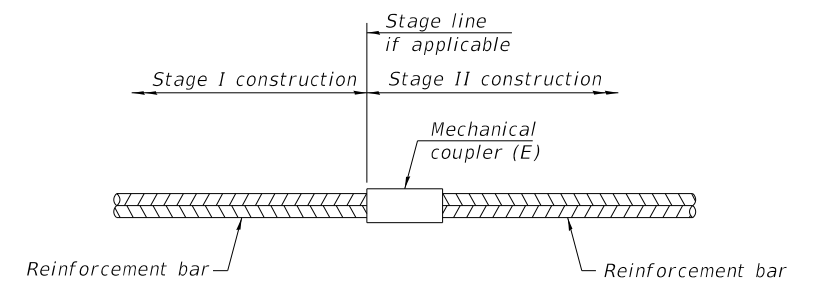


INSTALLATION AND SETTING METHODS

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

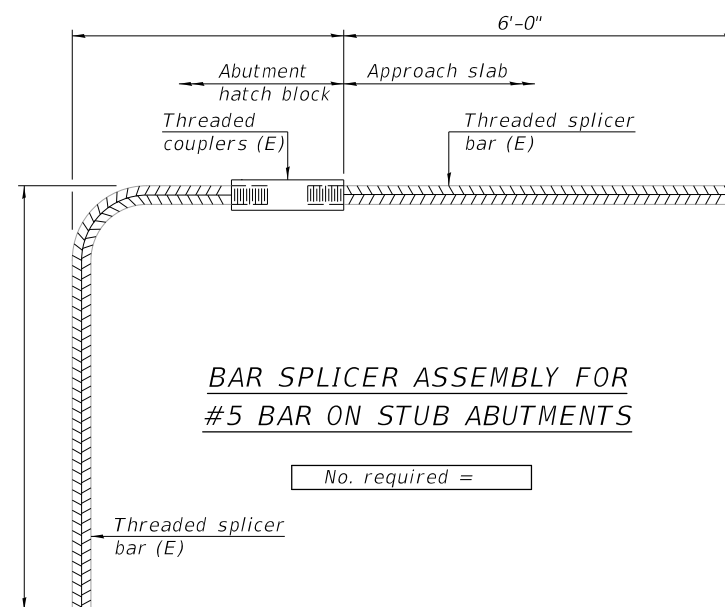
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(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 = L:\Medison_Co\16401-32-00\Drawings\CADD_Sheets\Bridges\0600183-020-BAR-SPLICER_ASSEMBLY.DET.dgn



USER NAME = Jack Blakemore	DESIGNED - JDJ/DWL	REVISED -
	CHECKED - PA	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - DWL	REVISED -
PLOT DATE = 12/7/2018 (12:16:28 PM)	CHECKED - PA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 060-0183

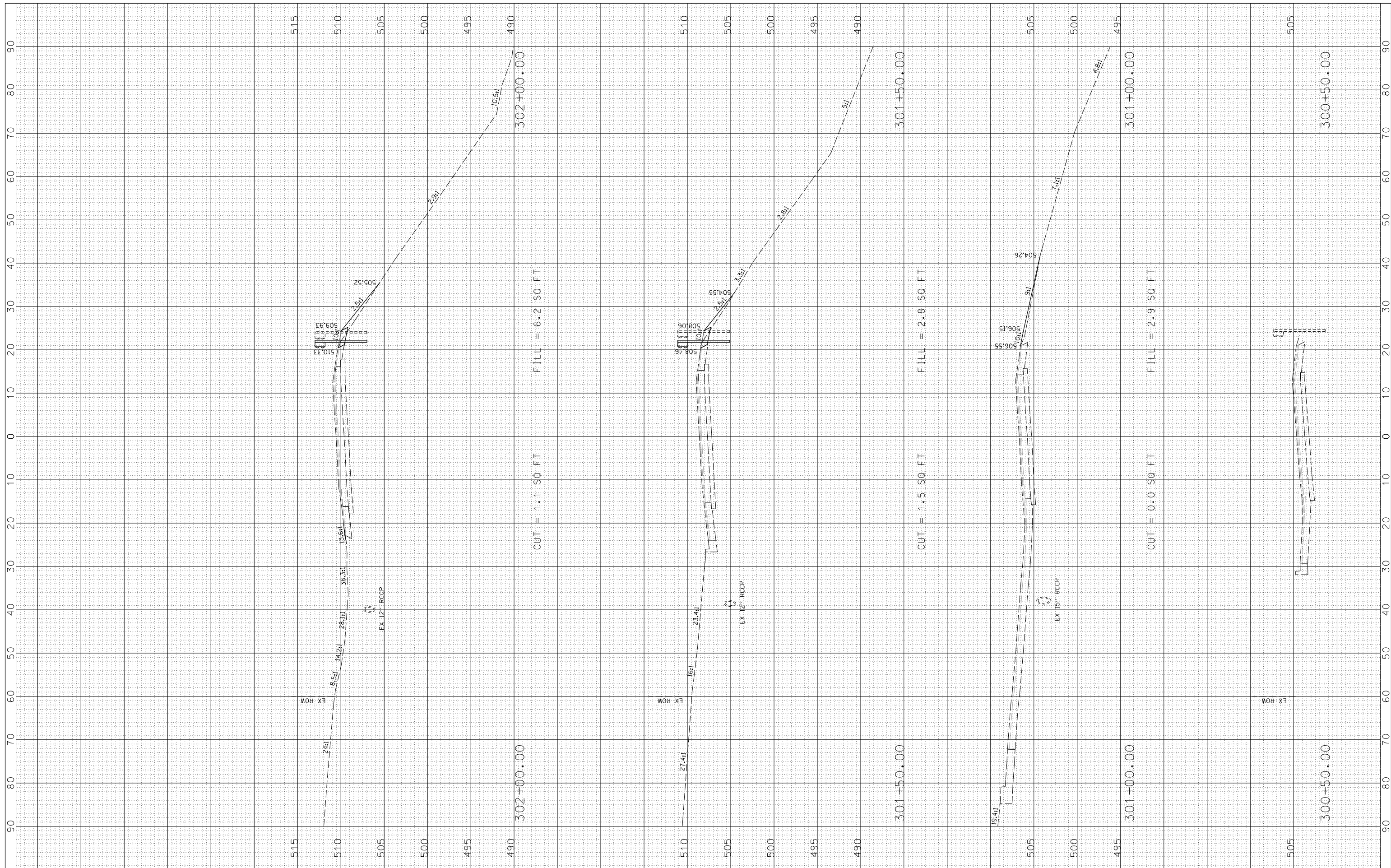
SHEET NO. 20 OF 20 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	48
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...

USER NAME = Jack Blakemore
 DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:17:25 PM)

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

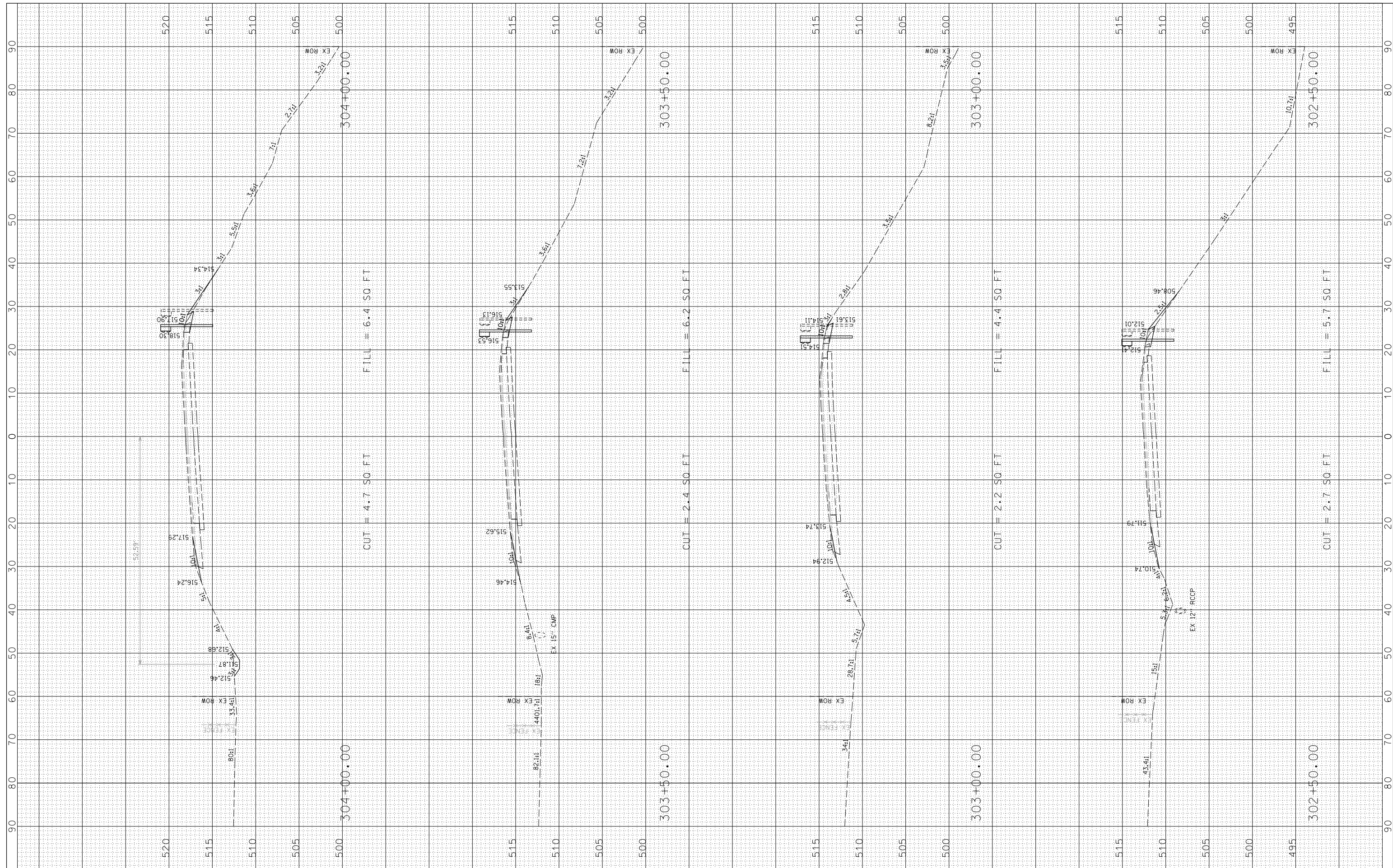
CROSS SECTIONS

SCALE: $\frac{H}{V} = \frac{1''}{10'}$ SHEET 1 OF 10 SHEETS STA. 300+50.00 TO STA. 302+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	49
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...

USER NAME = Jack Blakemore
 DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:17:47 PM)

REVISOR -
 REVISION -
 REVISION -
 REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

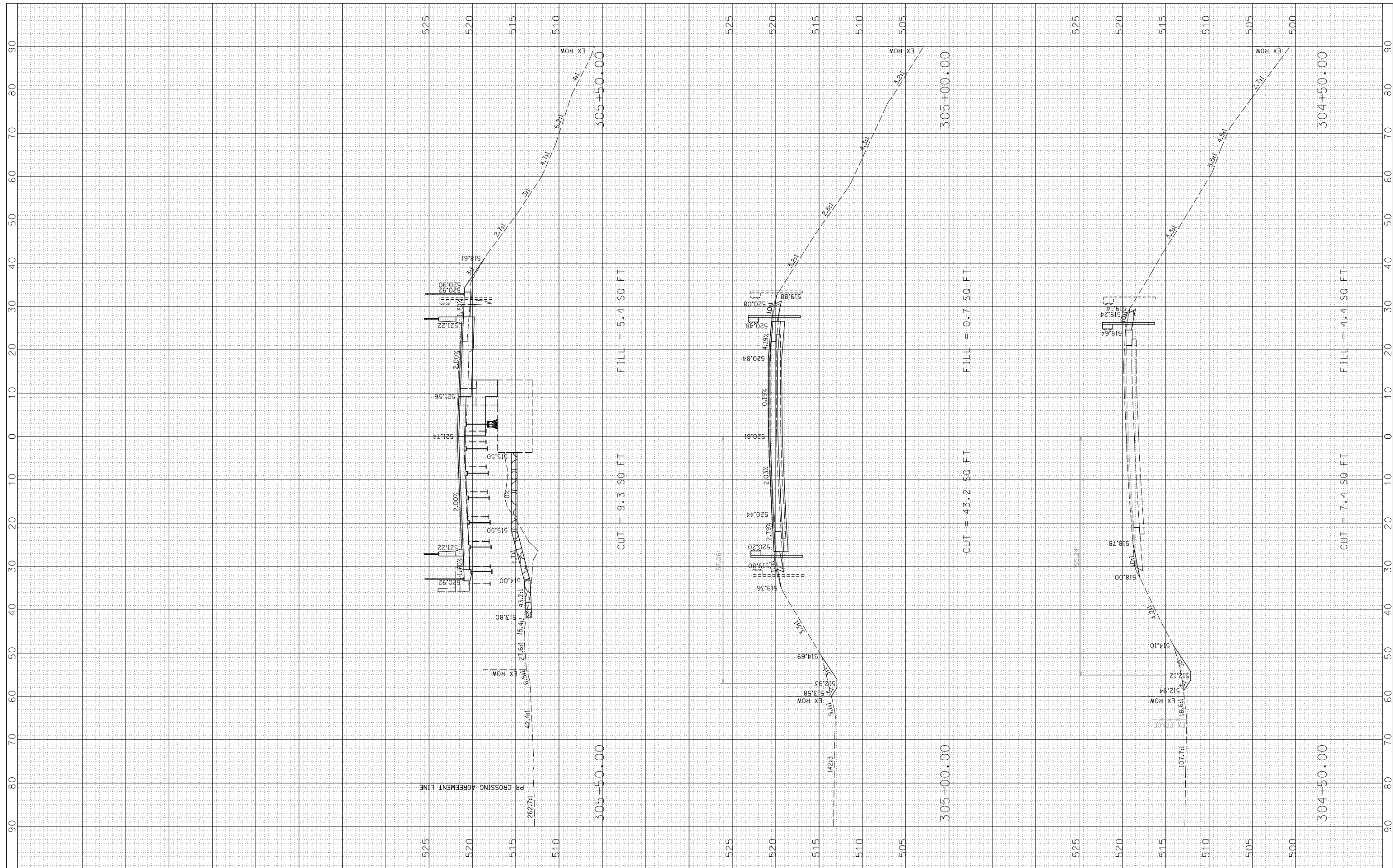
SCALE: H: 1" = 100' V: 1" = 50'
 SHEET 2 OF 10 SHEETS STA. 302+50.00 TO STA. 304+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	50
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...

USER NAME = Jack Blakemore
 DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:18:03 PM)

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

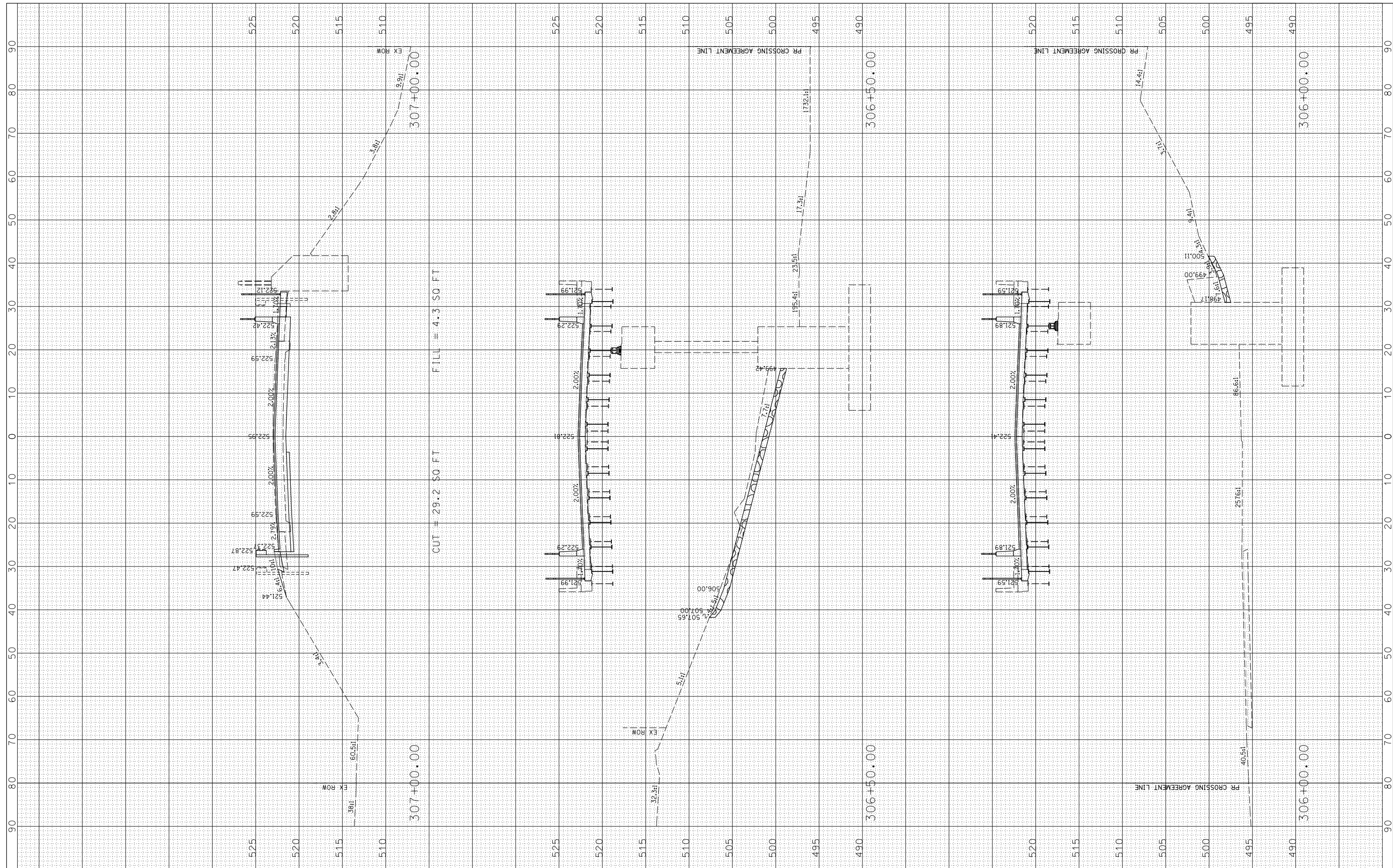
SCALE: $\frac{1}{4}'' = 10'$ SHEET 3 OF 10 SHEETS STA. 304+50.00 TO STA. 305+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	51
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...

USER NAME = Jack Blakemore
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 12/7/2018 (12:18:23 PM)

DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:18:23 PM)

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

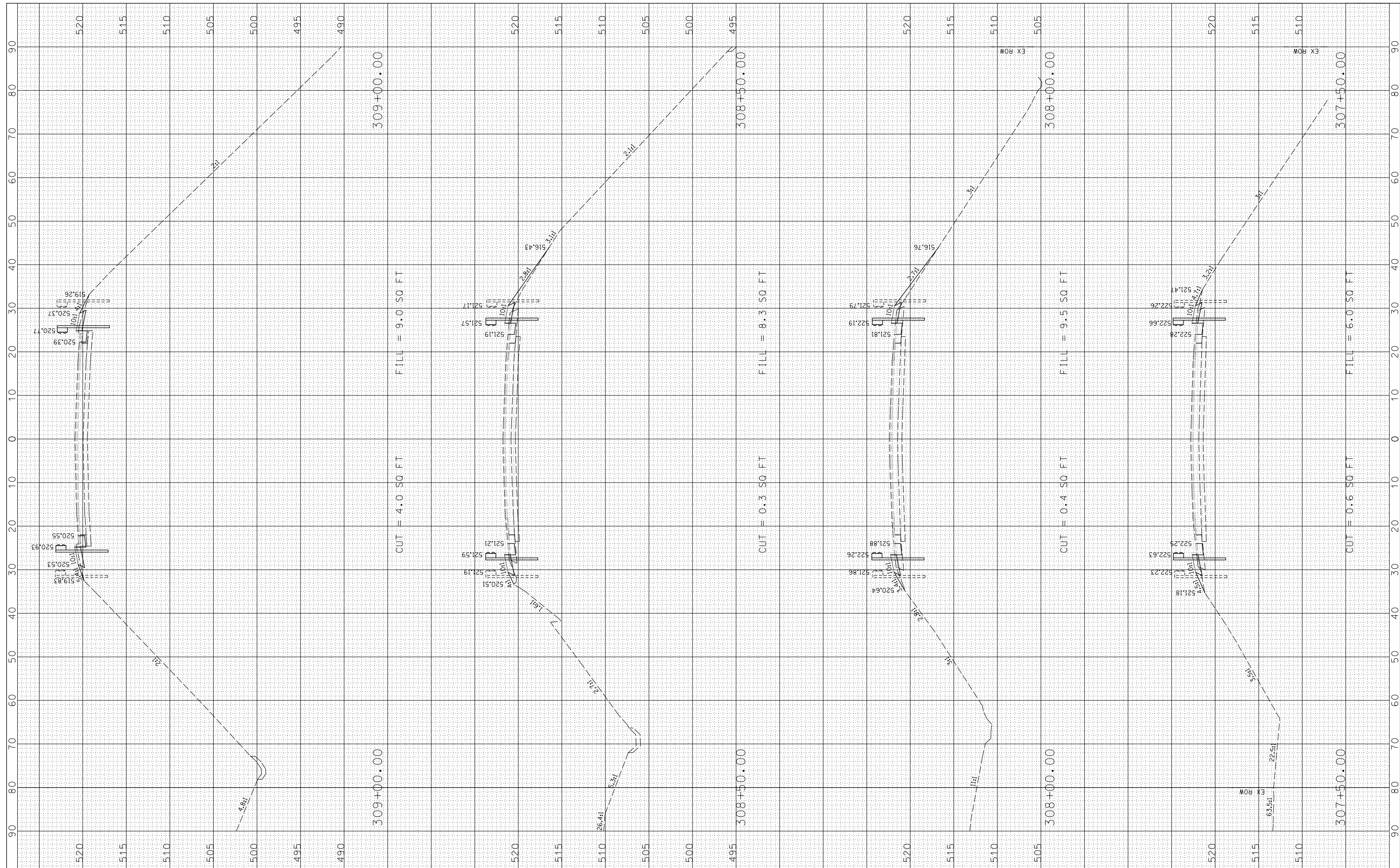
CROSS SECTIONS

SCALE: H: 1" = 50' V: 1" = 5' SHEET 4 OF 10 SHEETS STA. 306+00.00 TO STA. 307+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	52
CONTRACT NO. 97683				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...
 USER NAME = Jack Blakemore
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 12/7/2018 (12:18:40 PM)

DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:18:40 PM)

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: H: V: 1" = 10' 1" = 50' SHEET 5 OF 10 SHEETS STA. 307+50.00 TO STA. 309+00.00

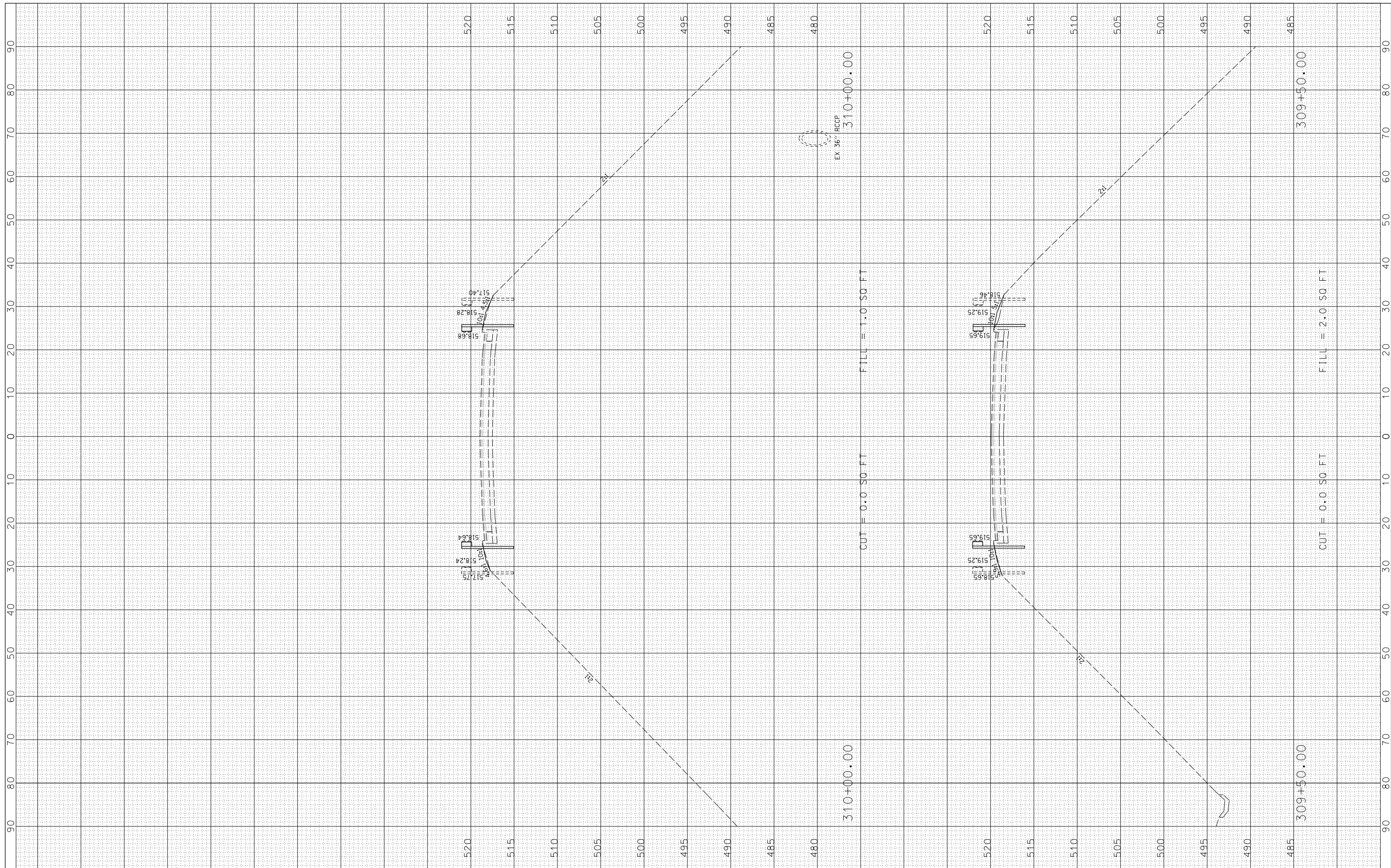
CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	53
CONTRACT NO. 97683				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...

USER NAME = Jack Blakemore
 DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:18:58 PM)

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

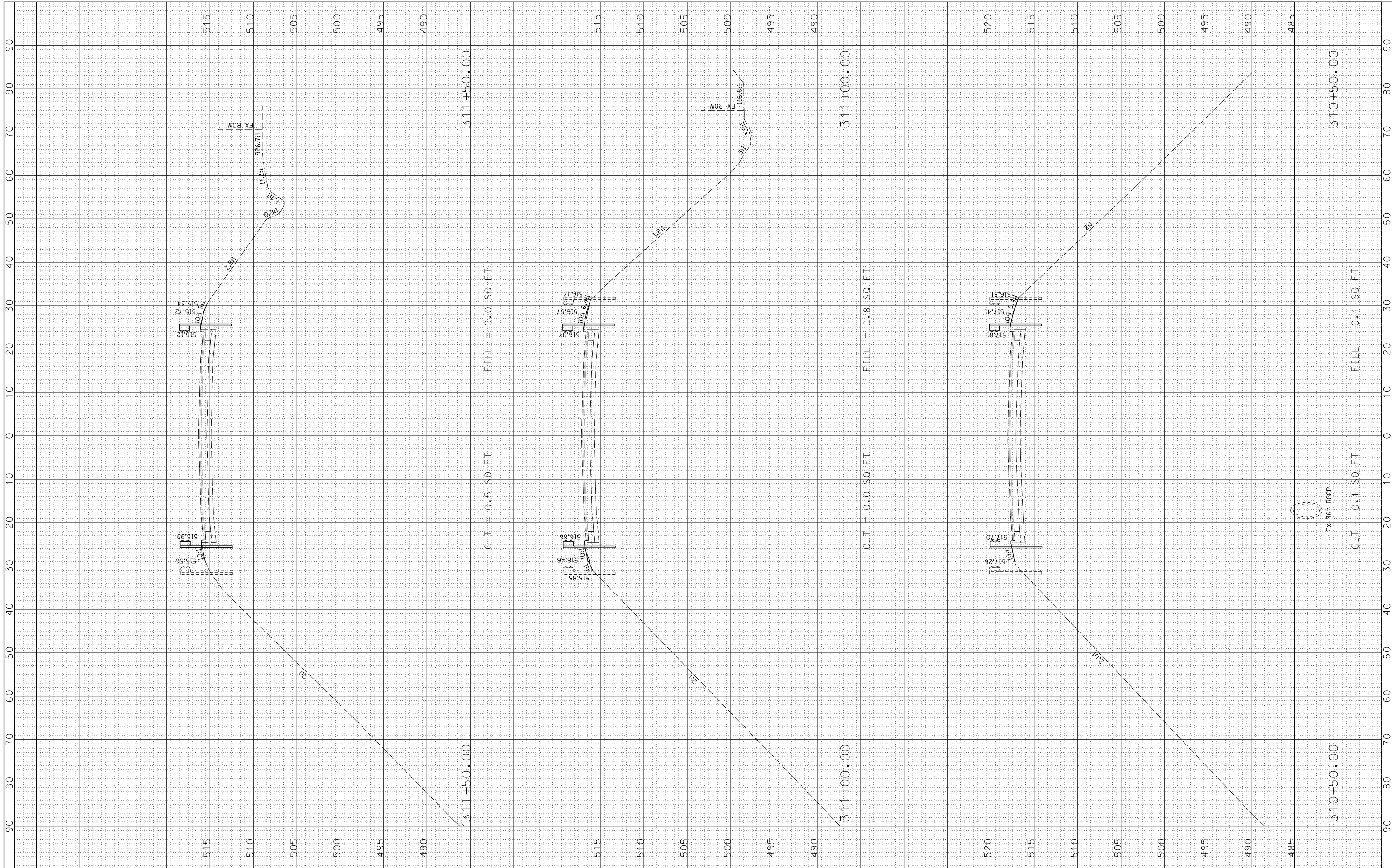
CROSS SECTIONS

SCALE: H: 1" = 50' V: 1" = 5' SHEET 6 OF 10 SHEETS STA. 309+50.00 TO STA. 310+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	54
CONTRACT NO. 97683				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...
 USER NAME = Jack Blakemore
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 12/7/2018 (12:19:13 PM)

DESIGNED -	JWB	REVISED -	
DRAWN -	JWB	REVISED -	
CHECKED -	KPF	REVISED -	
DATE -	12/7/2018 (12:19:13 PM)	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

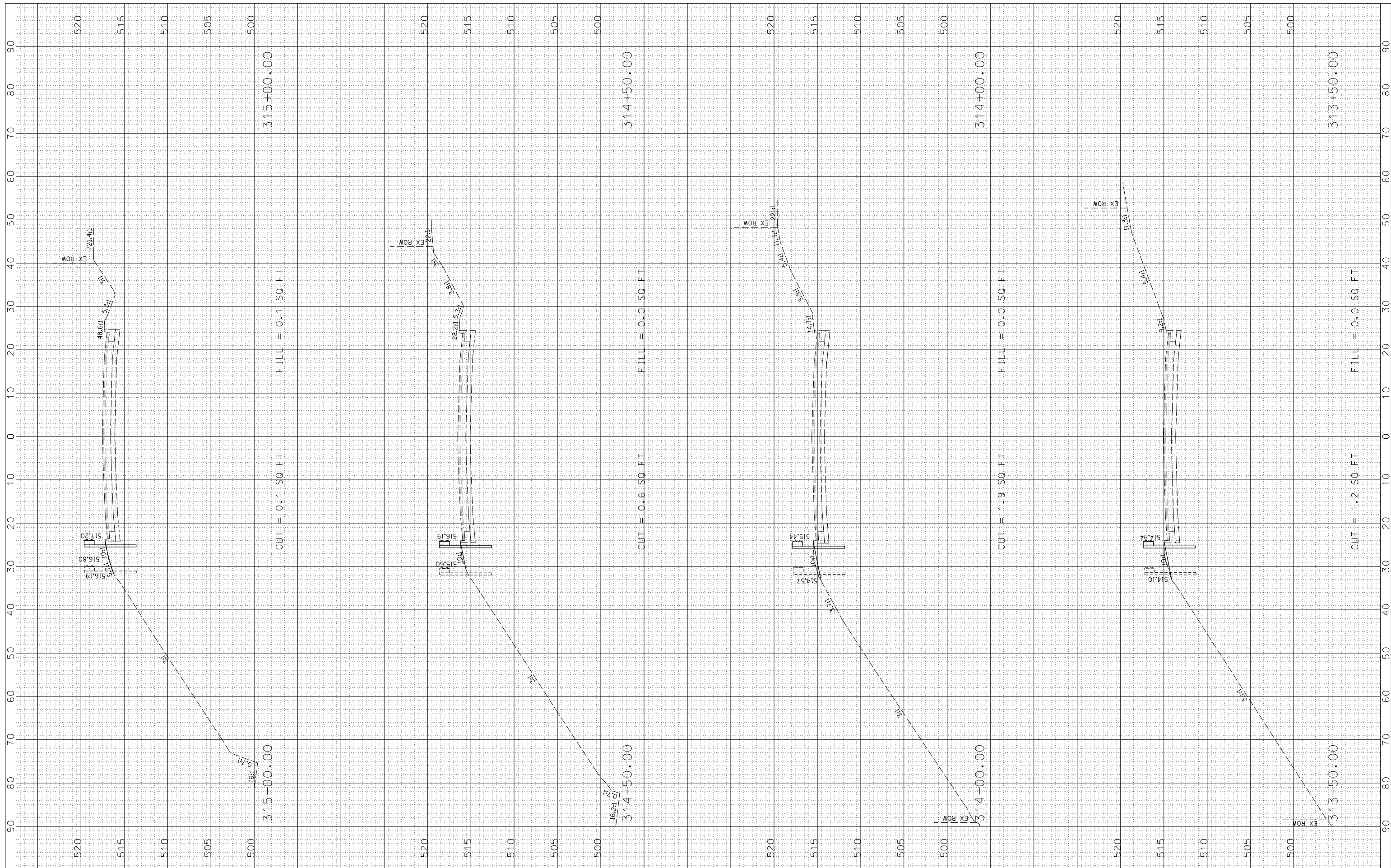
CROSS SECTIONS

SCALE: $H: \frac{1"}{40'}$ $V: \frac{1"}{5'}$ SHEET 7 OF 10 SHEETS STA. 310+50.00 TO STA. 311+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	55
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...
 USER NAME = Jack Blakemore
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 12/7/2018 (12:19:45 PM)

DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:19:45 PM)

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

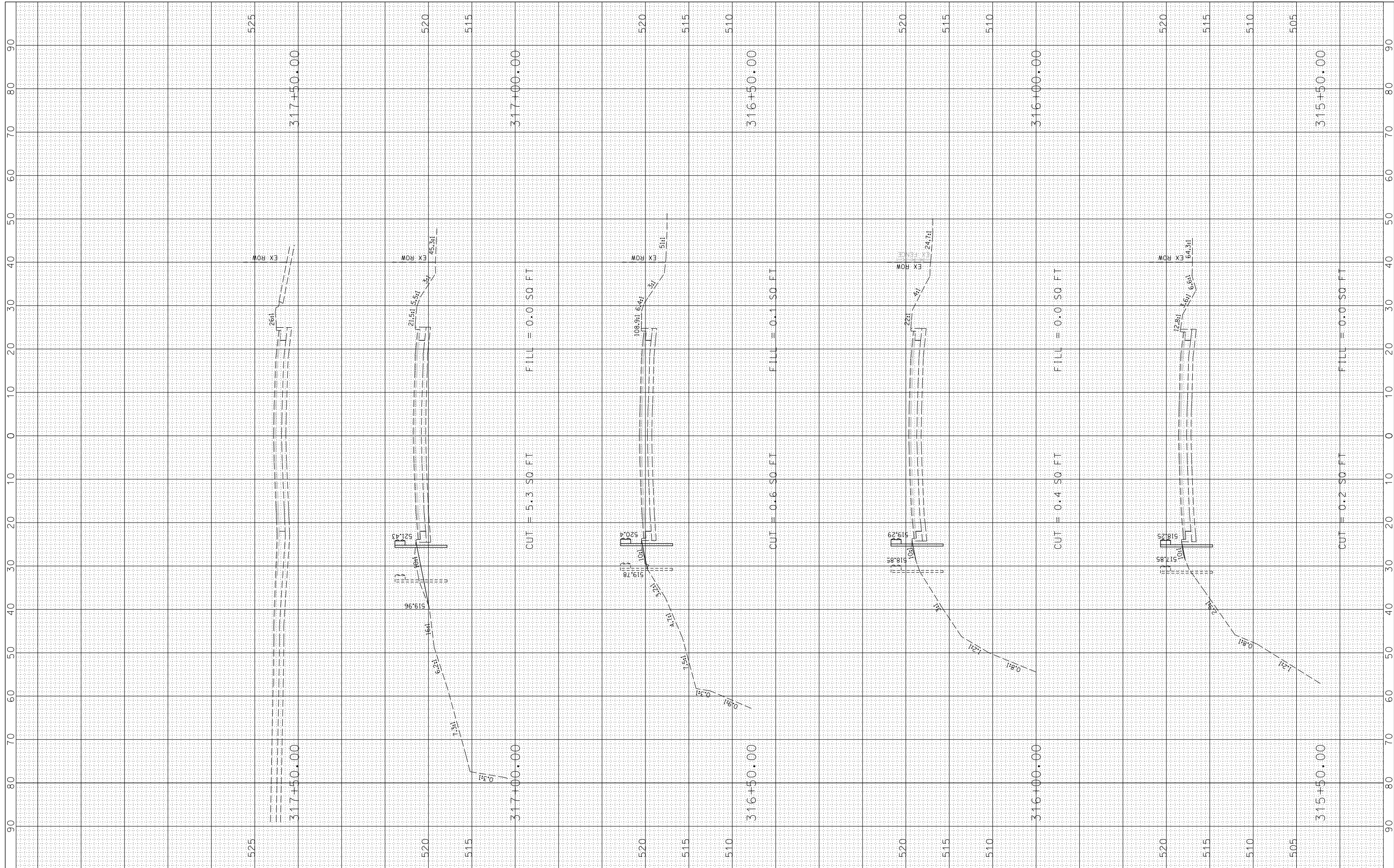
CROSS SECTIONS

SCALE: $\frac{1}{2}'' = 10'$ SHEET 9 OF 10 SHEETS STA. 313+50.00 TO STA. 315+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	57
CONTRACT NO. 97683				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\MadisonCounty\164013200\Draw\CADD_Sheets\...

USER NAME = Jack Blakemore
 DESIGNED - JWB
 DRAWN - JWB
 CHECKED - KPF
 DATE - 12/7/2018 (12:20:02 PM)

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: $\frac{1}{4}'' = 10'$ SHEET 10 OF 10 SHEETS STA. 315+50.00 TO STA. 317+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8877	15-00113-03-BR	MADISON	58	58
CONTRACT NO. 97683				