

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

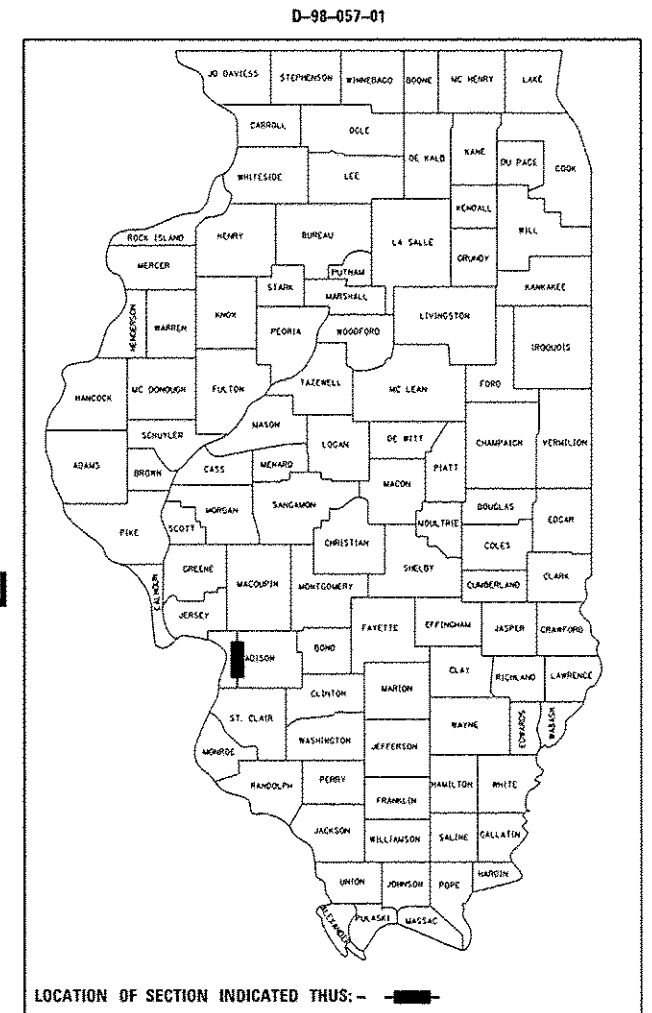
**F.A.U. ROUTE 885 (SIUE NORTH ACCESS ROAD)
SECTION 1BR
PROJECT ACM-8885(001)
BRIDGE DECK REPLACEMENT & SCOUR MITIGATION
MADISON COUNTY**

C-98-004-16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	1
		ILLINOIS	CONTRACT NO. 76481	

INDEX OF SHEETS

- 1 COVER SHEET
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- 80-86 TEMPORARY CROSSOVER CROSS SECTIONS



FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL
2016 ADT = 6050 (ACTUAL)
2031 ADT = 7000 (ESTIMATED)
S.U. = 2.1% M.U. = 0.8%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *May 5* 20 *16*

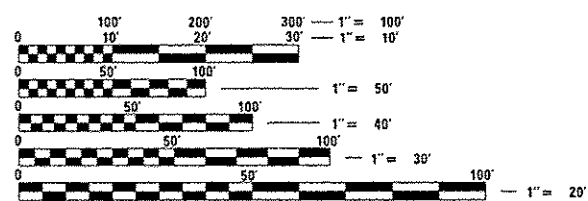
Jeffrey Z. K...
REGIONAL ENGINEER

M. Addison
ENGINEER OF DESIGN AND ENVIRONMENT

Cher Osman
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

TranSystems
707 N. 2nd St.
SUITE 410
ST. LOUIS, MO 63102
PHONE: 314-296-6765
FAX: 314-241-5164

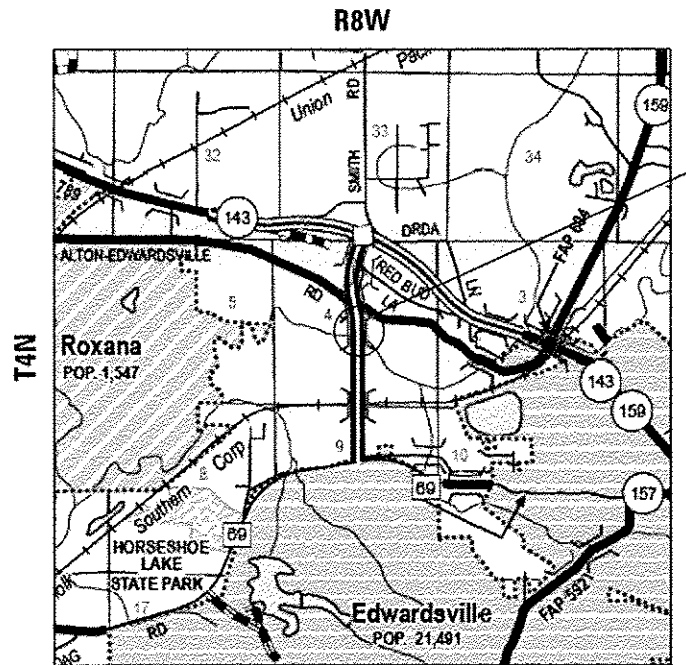


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: HERVÉ GELIN (618) 346-3179
PROJECT MANAGER: BILLIE OWEN (618) 346-3329

CONTRACT NO. 76481



SCALE: 1" = 1 MILE P.M. 4

GROSS LENGTH = 297.5' = 0.05 MILE
NET LENGTH = 297.5' = 0.05 MILE

SN: 060-0140 & 0141
TWO FOUR SPAN
CONTINUOUS STEEL WF
BEAM BRIDGES
STA. 502 + 61.38
LENGTH: 279'-1"
LAT: 38° 49'28.52"
LON: 89° 59'38.28"

FRANCIS A. SMITH JR.
062-050504
LICENSED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

Francis A. Smith Jr.

FRANCIS A. SMITH JR., P.E., S.E.
NO. 062-050504
EXP. DATE 11/30/2017
4/25/16

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542401-02	METAL END SECTION FOR PIPE CULVERTS
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-14	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM EDGE OF PAVEMNT
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701416-09	LANE CLOSURE, FREE/EXPRESSWAY, WITH CROSSOVER AND BARRIER
701421-07	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-08	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701423-09	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS > 45 MPH TO 55 MPH
701901-05	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
420401-12	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS

GENERAL NOTES

- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 *AT&T ILLINOIS
 *CHARTER COMMUNICATIONS, INC.
 *CITY OF EDWARDSVILLE (ELECTRIC)
 *CITY OF EDWARDSVILLE (WATER AND SANITARY SEWER)
 *MARATHON PIPE LINE, LLC.
 *NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT
 MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *.
 NON- J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- OVERNIGHT DROP-OFFS WILL NOT BE PERMITTED NEXT TO AN OPEN LANE OF TRAFFIC.
- A QUANTITY OF 8,682 FEET OF TEMPORARY PAVEMENT MARKING - LINE 6" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.
- IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- ALL ELEVATIONS REFER TO THE USGS MEAN SEA LEVEL DATUM.
- ALL DISTURBED EMBANKMENT AREAS SHALL BE SEEDED WITH CLASS 2A SEED, FERTILIZED AND MULCHED AS PER SECTION 250.04 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST FOR PERFORMING THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK INITIATING THE DISTURBANCE.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.

COMMITMENTS

PROJECT HAS NO KNOWN COMMITMENTS AT THIS TIME.

MIXTURE USE	SURFACE	BASE COURSE
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION)	IL 9.5	IL 19.0
FRICTION AGG	MIXTURE "D"	MIXTURE "B"
QUALITY MGMT PROGRAM	QC/QA	QC/QA

MIXTURE USE	SHOULDERS > 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=30	4.0% @ Ndes=30
MIX COMPOSITION (GRADATION)	IL 19.0L	IL 9.5L
FRICTION AGG		
QUALITY MGMT PROGRAM	QC/QA	QC/QA

* PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).



USER NAME * zshuggins
 PLOT SCALE = 100.0000 / 1"
 PLOT DATE = 4/29/2016

DESIGNED - JLM
 DRAWN - ZMH
 CHECKED - RJM
 DATE - 4/29/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS,
 GENERAL NOTES AND COMMITMENTS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	2
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL / 20% STATE		
				URBAN		
				ROADWAY 0004	BRIDGE 0011	BRIDGE 0011
				SN 060-0140	SN 060-0141	
31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	2935	2935		
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SQ YD	5218	5218		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	17899	14909		2990
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	928	928		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	754	670		84
44000100	PAVEMENT REMOVAL	SQ YD	5218	5218		
44004250	PAVED SHOULDER REMOVAL	SQ YD	2935	2935		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2935	2935		
50102400	CONCRETE REMOVAL	CU YD	48.9		24.3	24.6
50104650	SLOPE WALL REMOVAL	SQ YD	18		9	9
50104701	REMOVAL OF EXISTING CONCRETE DECK NO. 1	EACH	1		1	
50104702	REMOVAL OF EXISTING CONCRETE DECK NO. 2	EACH	1			1
50200100	STRUCTURE EXCAVATION	CU YD	302		151	151
50300225	CONCRETE STRUCTURES	CU YD	44.4		22.2	22.2

14

FILE NAME =	USER NAME = D:\arb	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	4
CONTRACT NO. 76481			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL / 20% STATE		
				URBAN		
				ROADWAY 0004	BRIDGE 0011	BRIDGE 0011
				SN 060-0140	SN 060-0141	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	738.8		369.4	369.4
50300260	BRIDGE DECK GROOVING	SO YD	2548		1274	1274
50300300	PROTECTIVE COAT	SO YD	3078		1539	1539
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	194		97	97
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	9600		4800	4800
50500505	STUD SHEAR CONNECTORS	EACH	10200		5100	5100
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	231540		115770	115770
51500100	NAME PLATES	EACH	2		1	1
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	20		10	10
52100520	ANCHOR BOLTS, 1"	EACH	40		20	20
54210012	PIPE CULVERTS, CLASS C, TYPE 1 12" (TEMPORARY)	FOOT	151	151		
54210015	PIPE CULVERTS, CLASS C, TYPE 1 15" (TEMPORARY)	FOOT	386	386		
54210182	PIPE ELBOW, 12"	EACH	1	1		
54215547	METAL END SECTIONS 12"	EACH	2	2		

14

FILE NAME *	USER NAME = Dvanbj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pm\11.004\CBID\INTEG\11\mss.gov\PI00T\00	Documents\1007 Off\mss\District B\Projects\0875-DR\1000\sta\040\heats\0876401-sh-500.dwg	CHECKED -	REVISED -					8885	IBR	MADISON	86	5
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 76481				
PLOT DATE = 5/5/2016					ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL / 20% STATE		
				URBAN		
				ROADWAY 0004	BRIDGE 0011	BRIDGE 0011
				SN 060-0140	SN 060-0141	
54215550	METAL END SECTIONS 15"	EACH	2	2		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	106		53	53
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	388	388		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	8		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1		
63200310	GUARDRAIL REMOVAL	FOOT	869	869		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	20	20		
67100100	MOBILIZATION	LSUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	1		
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	1		
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	4177	4177		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	18186	18186		

19 * SPECIALTY ITEM

FILE NAME =	USER NAME = Owenj	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	6
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

EARTHWORK						
STATION	EARTH EXCAVATION (SQ. FT.)	EMBANKMENT (SQ. FT.)	EARTH EXCAVATION (CU. YD.)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE, 15%	EMBANKMENT (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
NORTH CROSSOVER - PRESTAGE CONSTRUCTION						
493+00.00	0	2.6	0	0	0	0
493+50.00	0	6.2	0	0	8	-8
494+00.00	0	10.2	0	0	15	-15
494+50.00	0	13.2	0	0	22	-22
495+00.00	1	28	1	1	38	-37
495+50.00	4	29.2	5	4	53	-49
496+00.00	4.5	24.5	8	7	50	-43
496+50.00	4.3	26.3	8	7	47	-40
497+00.00	4.2	29.3	8	7	51	-45
497+50.00	4.2	33.6	8	7	58	-52
498+00.00	3.5	31.6	7	6	60	-54
498+50.00	0	13.7	3	3	42	-39
499+00.00	0	9.5	0	0	21	-21
499+50.00	0	2.8	0	0	11	-11
500+00.00	0	2.1	0	0	5	-5
TOTAL	25.7	262.8	48	40	482	-442
SOUTH CROSSOVER - PRESTAGE CONSTRUCTION						
508+00.00	0	1.5	0	0	0	0
508+50.00	0	4.4	0	0	5	-5
509+00.00	0	5	0	0	9	-9
509+50.00	0	11.3	0	0	15	-15
510+00.00	0.5	19.5	0	0	29	-28
510+50.00	0.7	16.4	1	1	33	-32
511+00.00	2	13	3	2	27	-25
511+50.00	3	13.2	5	4	24	-20
512+00.00	2.6	13.2	5	4	24	-20
512+50.00	2.2	11.9	4	4	23	-19
513+00.00	2.4	8.4	4	4	19	-15
513+50.00	2.2	12.8	4	4	20	-16
514+00.00	1.7	19.8	4	3	30	-27
514+50.00	1.2	25.1	3	2	42	-39
515+00.00	0	10.5	1	1	33	-32
515+50.00	0	5.5	0	0	15	-15
516+00.00	0	1.6	0	0	7	-7
TOTAL	19	193	34	29	355	-326
TOTAL			70		837	-767

EARTHWORK						
STATION	EARTH EXCAVATION (SQ. FT.)	EMBANKMENT (SQ. FT.)	EARTH EXCAVATION (CU. YD.)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE, 0%	EMBANKMENT (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
NORTH CROSSOVER - STAGE 3 CONSTRUCTION						
493+00.00	2.6	0	0	0	0	0
493+50.00	6.2	0	8	8	0	8
494+00.00	10.2	0	15	15	0	15
494+50.00	13.2	0	22	22	0	22
495+00.00	28	1	38	38	1	37
495+50.00	29.2	4	53	53	5	48
496+00.00	24.5	4.5	50	50	8	42
496+50.00	26.3	4.3	47	47	8	39
497+00.00	29.3	4.2	51	51	8	44
497+50.00	33.6	4.2	58	58	8	50
498+00.00	31.6	3.5	60	60	7	53
498+50.00	13.7	0	42	42	3	39
499+00.00	9.5	0	21	21	0	21
499+50.00	2.8	0	11	11	0	11
500+00.00	2.1	0	5	5	0	5
TOTAL	262.8	25.7	482	482	48	435
SOUTH CROSSOVER - STAGE 3 CONSTRUCTION						
508+00.00	1.5	0	0	0	0	0
508+50.00	4.4	0	5	5	0	5
509+00.00	5	0	9	9	0	9
509+50.00	11.3	0	15	15	0	15
510+00.00	19.5	0.5	29	29	0	28
510+50.00	16.4	0.7	33	33	1	32
511+00.00	13	2	27	27	3	25
511+50.00	13.2	3	24	24	5	20
512+00.00	13.2	2.6	24	24	5	19
512+50.00	11.9	2.2	23	23	4	19
513+00.00	8.4	2.4	19	19	4	15
513+50.00	12.8	2.2	20	20	4	15
514+00.00	19.8	1.7	30	30	4	27
514+50.00	25.1	1.2	42	42	3	39
515+00.00	10.5	0	33	33	1	32
515+50.00	5.5	0	15	15	0	15
516+00.00	1.6	0	7	7	0	7
TOTAL	193	19	355	355	34	320
TOTAL			837		82	755

PAVEMENT MARKING REMOVAL							
LOCATION				PAVEMENT MARKING REMOVAL - GRINDING		PAVEMENT MARKING REMOVAL - WATER	
FROM STATION	OFFSET	TO STATION	OFFSET	4" SOLID WHITE (SQ. FT.)	4" SOLID YELLOW (SQ. FT.)	4" SOLID WHITE (SQ. FT.)	4" SOLID YELLOW (SQ. FT.)
STAGE 2 - SHIFT SOUTHBOUND TRAFFIC TO NORTHBOUND LANES							
487+32.59	22.05 RT	489+08.54	25.79 RT	-	59	-	-
489+08.54	25.79 RT	491+95.89	34.71 RT	-	96	-	-
491+95.89	34.71 RT	495+49.44	34.44 RT	-	117	-	-
495+49.44	34.44 RT	499+69.27	34.02 RT	-	138	-	-
499+69.27	34.02 RT	508+01.80	34.25 RT	-	277	-	-
508+01.80	34.25 RT	512+50.79	34.18 RT	-	150	-	-
493+06.39	21.94 LT	493+90.67	21.01 LT	-	29	-	-
497+66.40	20.77 RT	499+74.83	31.21 RT	-	69	-	-
499+74.83	31.21 RT	509+66.32	20.88 RT	-	53	-	-
493+03.27	31.74 LT	495+10.06	21.17 LT	70	-	-	-
514+43.79	21.24 LT	516+25.78	33.33 LT	61	-	-	-
516+25.78	33.33 LT	526+77.10	33.25 LT	350	-	-	-
526+77.10	33.25 LT	533+37.00	44.97 LT	220	-	-	-
STAGE 3 - SHIFT TRAFFIC BACK TO RESPECTIVE LANES							
482+77.42	54.70 RT	485+75.60	41.25 RT	101	-	-	-
485+75.60	41.25 RT	486+21.24	39.20 RT	15	-	-	-
486+21.24	39.20 RT	489+27.54	33.64 RT	103	-	-	-
489+27.54	33.64 RT	492+25.56	33.22 RT	100	-	-	-
492+25.56	33.22 RT	495+22.99	21.11 RT	99	-	-	-
499+66.01	21.46 LT	506+78.34	21.10 LT	-	-	238	-
506+78.34	21.10 LT	508+23.63	21.05 LT	49	-	-	-
514+71.40	20.73 RT	515+97.90	29.15 RT	43	-	-	-
515+97.90	29.15 RT	516+63.44	31.35 RT	22	-	-	-
498+15.82	21.36 LT	499+09.52	28.67 LT	32	-	-	-
499+09.52	28.67 LT	499+93.57	31.96 LT	-	-	28	-
499+93.57	31.96 LT	506+78.34	31.63 LT	-	-	228	-
506+78.34	31.63 LT	508+21.17	31.56 LT	48	-	-	-
508+21.17	31.56 LT	509+90.38	21.02 LT	57	-	-	-
497+86.79	33.22 LT	499+09.52	34.64 LT	42	-	-	-
499+09.52	34.64 LT	506+78.34	34.56 LT	-	-	257	-
506+78.34	34.56 LT	508+46.16	34.51 LT	-	-	-	-
508+46.16	34.51 LT	527+70.54	33.41 LT	-	641	-	-
527+70.54	33.41 LT	533+70.54	21.02 LT	-	200	-	-
STAGE 2 TOTAL				701	988	0	0
STAGE 3 TOTAL				1412	841	751	0
TOTAL				2113	1829	751	0

SEEDING CLASS 2		
LOCATION	AREA (SQ. FT.)	AREA (ACRES)
N. SIUE ENTRANCE ROAD MEDIAN - STAGE 3 CONSTRUCTION		
STA. 492+55.37 TO STA. 500+24.32	19,382	0.44
STA. 507+72.65 TO STA. 516+70.60	23,055	0.53
TOTAL		1

EROSION CONTROL BLANKET		
LOCATION	AREA (SQ. FT.)	AREA (SQ. YD.)
N. SIUE ENTRANCE ROAD MEDIAN - STAGE 3 CONSTRUCTION		
STA. 507+73.83 TO STA. 516+70.60	10,762	1,196
TOTAL		1,196

TEMPORARY SEEDING		
LOCATION	MULCH. METHOD 2 (ACRE)	TEMPORARY SEEDING - 12 APPLICATIONS (POUND)
N. SIUE ENTRANCE ROAD MEDIAN - PRESTAGE, STAGE 1, & STAGE 2 CONSTRUCTION		
STA. 492+55.35 TO STA. 495+79.44	0.16	16
STA. 497+27.98 TO STA. 500+24.06	0.15	15
STA. 507+72.65 TO STA. 510+81.71	0.13	13
STA. 513+52.97 TO STA. 516+70.60	0.14	14
TOTAL	0.50	50



USER NAME = ajmckim-louder	DESIGNED - JLM	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - ZMH	REVISED -
PLOT DATE = 5/3/2016	CHECKED - RJM	REVISED -
	DATE - 5/3/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES	
SCALE: 1"=100'	SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	9
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				

LOCATION		INLET AND PIPE PROTECTION (EACH)
STATION	SIDE	
494+49.91	5.20 LT	1
498+42.58	4.62 LT	1
500+47.02	1.17 LT	1
508+04.06	0.80 LT	1
509+58.00	0.81 LT	1
514+76.98	1.12 LT	1
TOTAL		6

STEEL PLATE BEAM GUARD RAIL				
LOCATION				LENGTH (FOOT)
STATION	SIDE	STATION	SIDE	
500+32.02	52.09 RT	500+69.42	49.41 RT	37.5
500+44.26	14.69 RT	500+69.24	15.65 RT	25
500+57.08	15.85 LT	500+69.56	16.55 LT	12.5
500+62.14	53.76 LT	500+99.39	50.22 LT	37.5
504+26.65	49.88 RT	504+88.83	56.26 RT	62.5
504+56.37	16.11 RT	504+68.85	15.42 RT	12.5
504+56.29	16.67 LT	505+43.86	13.49 LT	87.6235
504+56.28	50.24 LT	505+68.51	57.07 LT	112.5
TOTAL				388

TRAFFIC CONTROL PROTECTION SCHEDULE			
LOCATION	TRAFFIC CONTROL AND PROTECTION, STANDARD 701416 (EACH)	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421 (LUMP)	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422 (LUMP SUM)
	ENTIRE PROJECT	2	1
TOTAL		2	1

TRAFFIC BARRIER TERMINAL, TYPE 2		
LOCATION		QTY (EACH)
STATION	SIDE	
500+49.77	55.53 LT	1
TOTAL		1

TRAFFIC BARRIER TERMINAL, TYPE 1, FLARED		
LOCATION		QTY (EACH)
STATION	SIDE	
499+94.45	8.77 RT	1
TOTAL		1

HOT-MIX ASPHALT BASE COURSE, 9 1/2"		
LOCATION	HOT-MIX ASPHALT PAVEMENT (SQ. YD) 9 1/2"	PAVEMENT REMOVAL (SQ. YD.)
STA. 492+55.40 TO STA. 500+24.32 (CROSSOVER NORTH OF CAHOKIA CREEK)	2195	2195
STA. 507+72.65 TO STA. 516+70.59 (CROSSOVER SOUTH OF CAHOKIA CREEK)	3023	3023
TOTAL		5218

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT			
LOCATION		AREA (SQ. FT.)	AREA (SQ. YD.)
STATION	SIDE		
498+29.21 TO 499+00.38	SOUTHBOUND	1700	189
505+99.42 TO 506+97.29	SOUTHBOUND	2345	261
498+98.24 TO 499+78.55	NORTHBOUND	1962	218
505+80.28 TO 506+78.24	NORTHBOUND	2343	260
TOTAL			928

LOCATION		TEMPORARY DITCH CHECKS (FOOT)
STATION	SIDE	
494+14.91	0.82 RT	25
495+41.02	0.55 RT	25
496+88.89	0.87 RT	25
498+59.76	0.75 RT	25
500+21.91	0.77 RT	25
508+07.10	0.66 RT	25
508+83.45	0.46 RT	25
510+46.65	0.38 RT	25
511+38.56	0.51 RT	25
512+04.02	0.62 RT	25
512+63.57	0.71 RT	25
513+08.21	0.79 RT	25
513+71.09	0.74 RT	25
514+29.49	0.74 RT	25
514+88.58	0.74 RT	25
515+34.56	0.74 RT	25
515+77.72	0.74 RT	25
516+27.28	0.82 RT	25
516+76.50	0.90 RT	25
TOTAL		475

GUARD RAIL REMOVAL				
LOCATION				LENGTH (FOOT)
STATION	SIDE	STATION	SIDE	
499+78.07	55.04 RT	501+12.57	49.40 RT	134
499+95.29	11.53 RT	501+12.39	15.65 RT	117
500+32.67	55.66 LT	501+12.66	50.22 LT	80
504+00.84	49.05 RT	504+88.83	56.26 RT	88
504+13.14	16.66 LT	506+94.14	13.25 LT	282
504+00.70	49.80 LT	505+68.56	57.04 LT	168
TOTAL				869

PAVED SHOULDER REMOVAL		
LOCATION		AREA (SQ. YD)
STATION	SIDE	
STA. 492+55.40 TO STA. 500+24.32	RT	696
STA. 493+06.39 TO STA. 500+23.86	LT	630
STA. 507+75.00 TO STA. 516+70.58	RT	817
STA. 507+72.66 TO STA. 516+54.73	LT	792
TOTAL		2935

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70					
LOCATION	AREA (SQ. FT.)	DEPTH (IN)	QUANTITY (TON)	RATE (LB/SY)	QUANTITY PRIME COAT (POUNDS)
PRESTAGE - RESURFACING SOUTHBOUND BRIDGE					
STA. 500+94.94 TO STA. 501+24.94	1,170	3/4	6	3	390
STA. 501+24.94 TO STA. 504+30.77	8,971	1-1/2	84	3	2990
STA. 504+00.92 TO STA. 504+13.99	1,155	3/4	5	3	385
STAGE 1 - SURFACING BEYOND APPROACHES ON NORTHBOUND BRIDGE					
STA. 499+03.87 TO STA. 500+95.00	8327	2-1/2	130	3	2776
STA. 504+30.69 TO STA. 506+78.24	10898	2-1/2	169	3	3633
STAGE 2 - SURFACING BEYOND APPROACHES ON SOUTHBOUND BRIDGE					
STA. 498+38.86 TO STA. 500+94.94	11453	2-1/2	178	3	3818
STA. 504+30.77 TO STA. 506+97.29	11724	2-1/2	182	3	3908
TOTAL			754		17899

HOT-MIX ASPHALT SHOULDERS, 8"				SUBBASE TYPE C, 4"	
LOCATION		AREA (SQ. FT)	AREA (SQ. YD)	AREA (SY. YD.)	
STATION	SIDE				
STA. 492+55.40 TO STA. 500+24.32	RT	6264	696	696	
STA. 493+06.39 TO STA. 500+23.86	LT	5673	630	630	
STA. 507+75.00 TO STA. 516+70.58	RT	7350	817	817	
STA. 507+72.66 TO STA. 516+54.73	LT	7127	792	792	
TOTAL		26,414	2,935	2,935	

TRAFFIC BARRIER TERMINAL, TYPE 1, TANGENT		
LOCATION		QTY (EACH)
STATION	SIDE	
499+82.17	56.71 RT	1
500+07.22	12.08 LT	1
505+18.71	11.65 RT	1
505+93.78	10.68 LT	1
TOTAL		4

TRAFFIC BARRIER TERMINAL, TYPE 6		
LOCATION		QTY (EACH)
STATION	SIDE	
500+91.29	49.41 RT	1
500+91.12	15.65 RT	1
500+91.44	16.55 LT	1
501+09.15	50.22 LT	1
504+20.02	49.88 RT	1
504+34.98	16.12 RT	1
504+34.41	16.66 LT	1
504+34.40	50.23 LT	1
TOTAL		8



USER NAME = ajmckim-louder
DESIGNED - JLM
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
SCALE: 1"=100'
SHEET 2 OF 3 SHEETS

F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
8885 1BR MADISON 86 10
CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT

TEMPORARY PAVEMENT MARKING					
LOCATION				PAVEMENT MARKING - LINE 4"	
FROM STATION	OFFSET	TO STATION	OFFSET	WHITE (FOOT)	YELLOW (FOOT)
STAGE 1 - SHIFT NORTHBOUND TRAFFIC TO SOUTH BOUND LANES					
487+32.59	22.05 RT	489+08.54	25.79 RT	-	177
489+08.54	25.79 RT	491+95.89	34.71 RT	-	289
491+95.89	34.71 RT	495+49.44	34.44 RT	-	352
495+49.44	34.44 RT	499+69.27	34.02 RT	-	415
499+69.27	34.02 RT	508+01.80	34.25 RT	-	832
508+01.80	34.25 RT	512+50.79	34.18 RT	-	449
493+06.39	21.94 LT	495+73.87	2.40 LT	-	269
495+73.87	2.40 LT	499+74.83	31.21 RT	-	401
499+74.83	31.21 RT	508+08.64	31.25 RT	-	834
508+08.64	31.25 RT	516+03.73	21.37 LT	-	797
493+03.27	31.74 LT	495+75.20	12.31 LT	274	-
495+75.20	12.31 LT	499+46.96	20.68 RT	373	-
499+46.96	20.68 RT	508+20.15	20.85 RT	873	-
508+20.15	20.85 RT	516+25.78	33.33 LT	807	-
516+25.78	33.33 LT	526+77.10	33.25 LT	1051	-
526+77.10	33.25 LT	533+37.00	44.97 LT	660	-
STAGE 2 - SHIFT SOUTHBOUND TRAFFIC TO NORTHBOUND LANES					
482+77.42	54.70 RT	485+75.60	41.25 RT	304	-
485+75.60	41.25 RT	486+21.24	39.20 RT	46	-
486+21.24	39.20 RT	489+27.54	33.64 RT	310	-
489+27.54	33.64 RT	492+25.56	33.22 RT	300	-
492+25.56	33.22 RT	497+19.39	0.26 RT	493	-
497+19.39	0.26 RT	499+66.01	21.46 LT	249	-
499+66.01	21.46 LT	508+23.63	21.05 LT	858	-
508+23.63	21.05 LT	515+97.90	29.15 RT	776	-
515+97.90	29.15 RT	516+63.44	31.35 RT	66	-
492+87.33	21.13 RT	497+17.90	9.63 LT	-	431
497+17.90	9.63 LT	499+93.57	31.96 LT	-	279
499+93.57	31.96 LT	508+21.17	31.56 LT	-	828
508+21.17	31.56 LT	516+25.51	20.73 RT	-	806
497+86.79	33.22 LT	499+90.26	34.79 LT	-	207
499+90.26	34.79 LT	508+46.16	34.51 LT	-	856
508+46.16	34.51 LT	527+70.54	33.41 LT	-	1924
527+70.54	33.41 LT	533+70.54	21.02 LT	-	600
STAGE 1 TOTAL				4038	4815
STAGE 2 TOTAL				3402	5931
TOTAL				7440	10746

MARKERS AND DELINEATORS							
LOCATION	GUARDRAIL REFLECTORS, TYPE A (EACH)	BARRIER WALL REFLECTORS, TYPE B (EACH)	BARRIER WALL REFLECTORS, TYPE C (EACH)	TERMINAL MARKERS - DIRECT APPLIED			
SOUTHBOUND							
STA. 500+32.02 TO STA. 504+88.83	5	6	6	-			
STA. 499+82.10	56.66' RT	-	-	1			
STA. 499+94.45	8.77' RT	-	-	1			
STA. 505+18.71	11.65' RT	-	-	1			
NORTHBOUND							
STA. 504+00.70 TO STA. 505+68.50	49.80' LT TO 57.07	6	6	-			
STA. 500+07.22	12.08' LT	-	-	1			
STA. 500+49.77	55.53' LT	-	-	1			
STA. 505+93.78	10.68' LT	-	-	1			
TOTAL				12	12	12	6

TEMPORARY CONCRETE BARRIER					
LOCATION				TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)
STAGE 1 - SHIFT NORTHBOUND TRAFFIC TO SOUTHBOUND LANES					
493+06.39	18.94 LT	493+44.56	18.96 LT	42	-
493+44.56	18.96 LT	495+73.42	0.57 RT	230	-
495+73.42	0.57 RT	499+09.29	32.55 RT	338	-
499+09.29	32.55 RT	499+69.27	32.52 RT	60	-
499+69.27	32.52 RT	503+88.12	32.84 RT	426	-
503+88.12	32.84 RT	508+01.80	32.75 RT	416	-
508+01.80	32.75 RT	512+50.79	32.68 RT	451	-
512+50.79	32.68 RT	514+30.52	20.74 RT	180	-
504+25.12	16.12 RT	505+46.54	11.63 RT	125	-
STAGE 2 - SHIFT SOUTHBOUND TRAFFIC TO NORTHBOUND LANES					
FROM STATION	OFFSET	TO STATION	OFFSET		
495+49.45	21.93 LT	497+24.30	28.53 LT	55	168
497+24.30	28.53 LT	498+68.58	33.18 LT	-	152
498+68.58	33.18 LT	499+90.26	33.29 LT	-	123
499+90.26	33.29 LT	500+57.07	33.14 LT	-	73
500+57.07	33.14 LT	504+00.59	33.46 LT	-	346
504+00.59	33.46 LT	508+46.16	33.01 LT	-	446
508+46.16	33.01 LT	516+03.89	16.52 LT	-	759
516+03.89	16.52 RT	516+70.55	19.72 RT	-	76
STAGE 1 TOTAL				2275	0
STAGE 2 TOTAL				62.5	2150

BLACK OUT TAPE FOR EXISTING PAVEMENT MARKING					
LOCATION				PAVEMENT MARKING BLACK OUT TAPE, 4" SOLID YELLOW (FOOT)	PAVEMENT MARKING BLACK OUT TAPE, 4" SKIP-DASH WHITE (FOOT)
FROM STATION	OFFSET	TO STATION	OFFSET		
STAGE 1 - SHIFT NORTHBOUND TRAFFIC TO SOUTHBOUND LANES					
495+08.92	33.65 RT	512+50.79	34.18 RT		435
497+08.48	20.89 RT	510+39.63	20.83 RT	1330	
STAGE 2 - SHIFT SOUTHBOUND TRAFFIC TO NORTHBOUND LANES					
487+66.38	33.93 RT	495+08.92	33.65 RT		190
497+86.79	33.22 LT	533+70.50	33.65 LT		897
497+81.03	21.35 LT	511+03.76	21.02 LT	1325	
STAGE 1 TOTAL				1330	435
STAGE 2 TOTAL				1325	1087
TOTAL				2655	1522

PAVEMENT MARKING AND PAVEMENT MARKERS											
LOCATION				THERMOPLASTIC PAVEMENT MARKING			POLYUREA, TYPE I			PAVEMENT MARKERS	
FROM STATION	OFFSET	TO STATION	OFFSET	4" SOLID YELLOW (FOOT)	4" SKIP-DASH WHITE (FOOT)	4" SOLID WHITE (FOOT)	4" SOLID YELLOW (FOOT)	4" SKIP-DASH WHITE (FOOT)	4" SOLID WHITE (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PAVEMENT MARKER-BRIDGE (EACH)
499+09.52	21' RT	501+21.84	21' RT	212							
498+29.21	21' LT	501+21.84	21' LT	293							
501+21.84	21' RT	504+00.92	21' RT				279				
501+21.84	21' LT	504+00.92	21' LT				279				
504+00.92	21' RT	506+97.29	21' RT	296							
504+00.92	21' LT	506+78.24	21' LT	277							
499+09.52	33' RT	501+21.84	33' RT		53						
498+29.21	33' LT	501+21.84	33' LT		74					4	
501+21.84	33' RT	504+00.92	33' RT					70			4
501+21.84	33' LT	504+00.92	33' LT					70			4
504+00.92	33' RT	506+97.29	33' RT		74					4	
504+00.92	33' LT	506+78.24	33' LT		69						
499+09.52	45' RT	501+21.84	45' RT			212					
498+29.21	45' LT	501+21.84	45' LT			293					
501+21.84	45' RT	504+00.92	45' RT						279		
501+21.84	45' LT	504+00.92	45' LT						279		
504+00.92	45' RT	506+97.29	45' RT			296					
504+00.92	45' LT	506+78.24	45' LT			277					
TOTAL				1078	270	1078	558	140	558	8	8



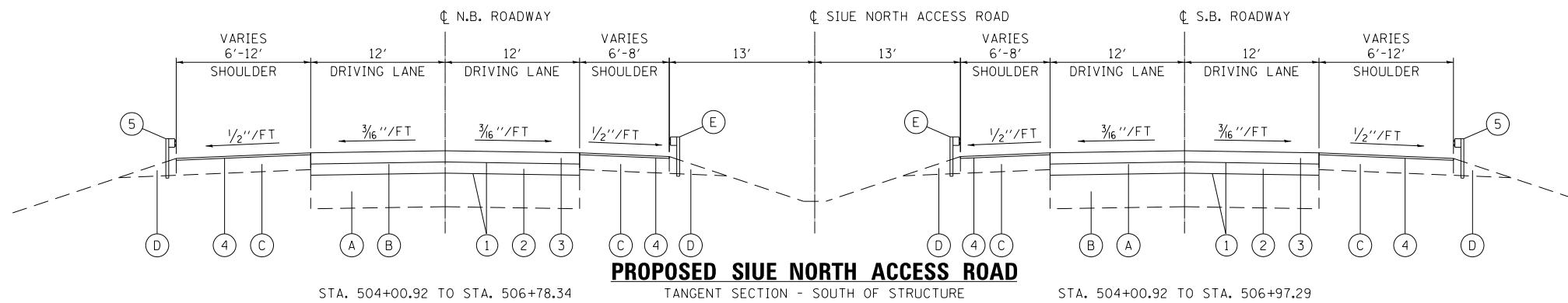
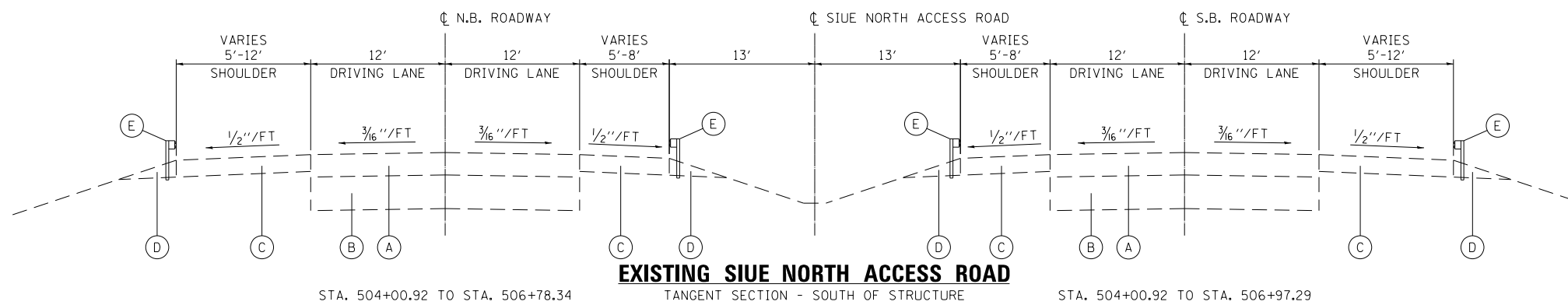
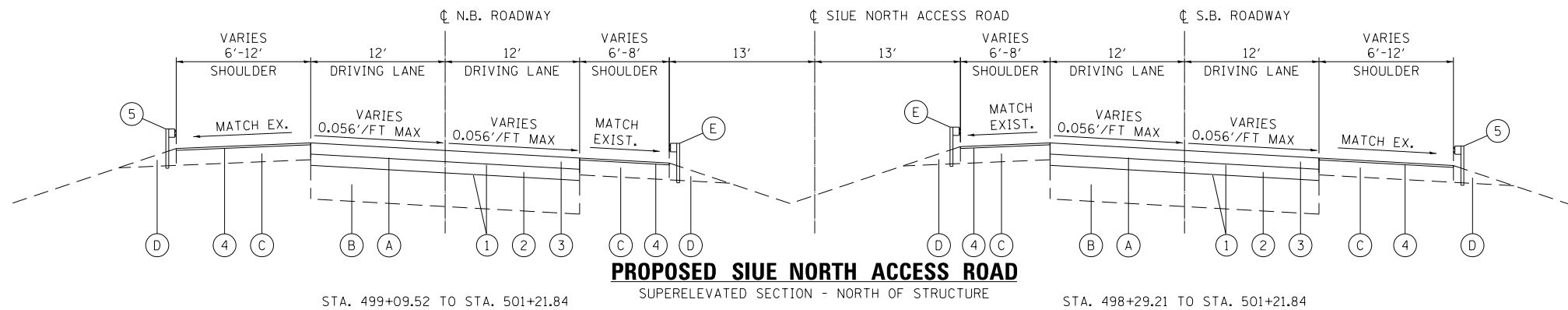
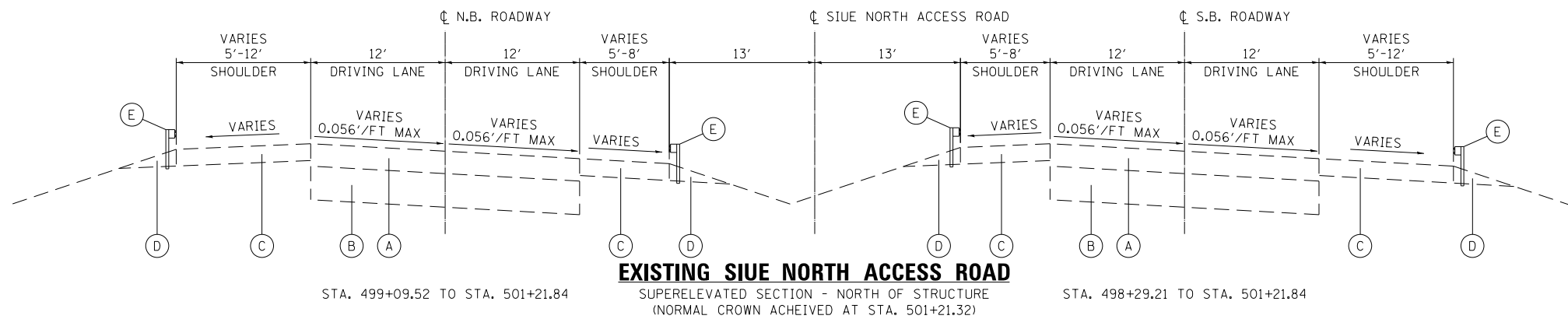
USER NAME = ajmckim-louder	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 5/5/2016	DATE - 5/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: 1"=100' SHEET 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	11
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT (NOMINAL 2 1/2" THICK.)
- (B) EXISTING CONCRETE PAVEMENT (7")
- (C) EXISTING BITUMINOUS SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING GUARDRAIL
- (1) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (2) HOT-MIX ASPHALT SURFACE COURSE, 1-1/4" (FIRST LIFT)
- (3) HOT-MIX ASPHALT SURFACE COURSE, VARIABLE DEPTH (SECOND LIFT)
- (4) HOT-MIX ASPHALT SURFACE COURSE, (SHOULDER)
- (5) PROPOSED GUARDRAIL



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
PLOT SCALE = 1" = 10'	DRAWN - ZMH	REVISED -
PLOT DATE = 4/21/2016	CHECKED - RJM	REVISED -
	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
EXISTING AND PROPOSED TYPICAL SECTIONS**

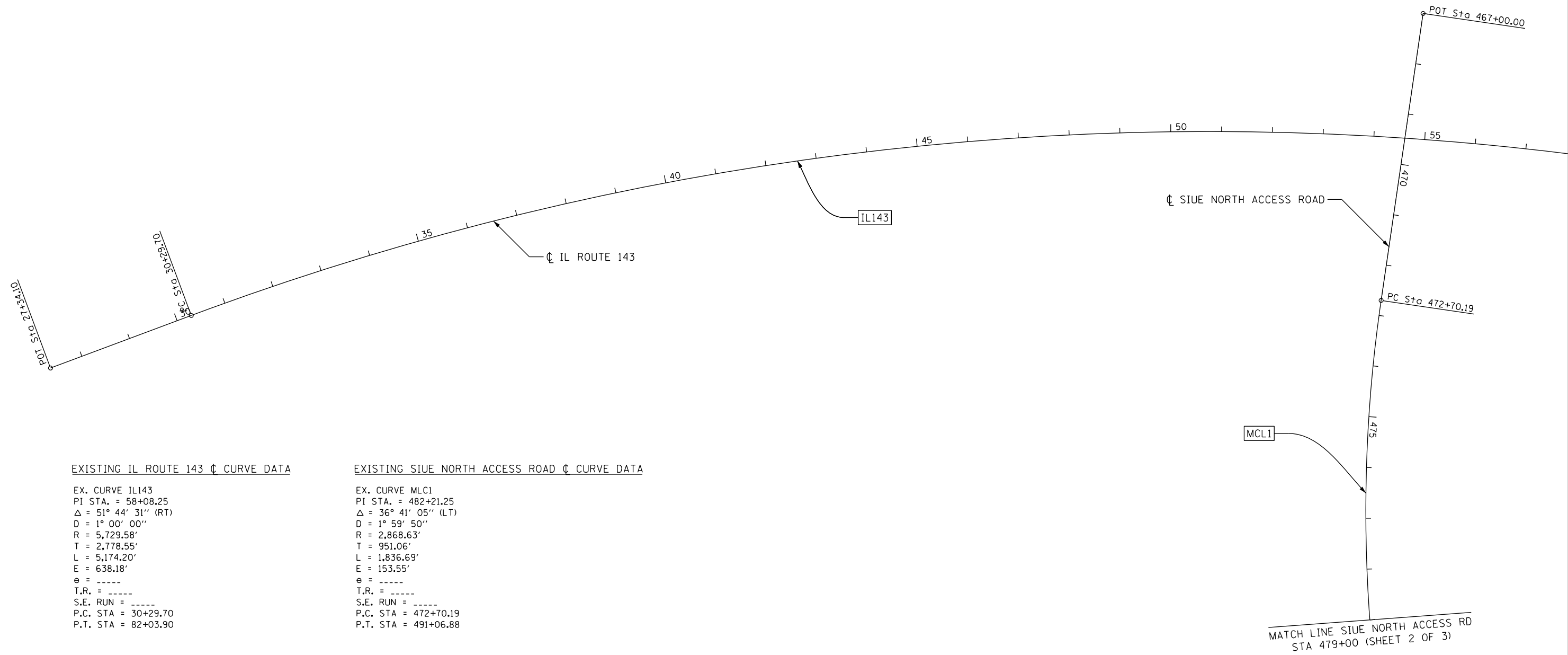
SCALE: NONE SHEET 1 OF 1 SHEETS STA. ----- TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	12
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



NOTE:

FOR THE CONTROL POINT INFORMATION
SEE ALIGNMENT AND TIES SHEET.



EXISTING IL ROUTE 143 ϕ CURVE DATA

EX. CURVE IL143
 PI STA. = 58+08.25
 Δ = 51° 44' 31" (RT)
 D = 1° 00' 00"
 R = 5,729.58'
 T = 2,778.55'
 L = 5,174.20'
 E = 638.18'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 30+29.70
 P.T. STA = 82+03.90

EXISTING SIUE NORTH ACCESS ROAD ϕ CURVE DATA

EX. CURVE MCL1
 PI STA. = 482+21.25
 Δ = 36° 41' 05" (LT)
 D = 1° 59' 50"
 R = 2,868.63'
 T = 951.06'
 L = 1,836.69'
 E = 153.55'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 472+70.19
 P.T. STA = 491+06.88

MATCH LINE SIUE NORTH ACCESS RD
 STA 479+00 (SHEET 2 OF 3)



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

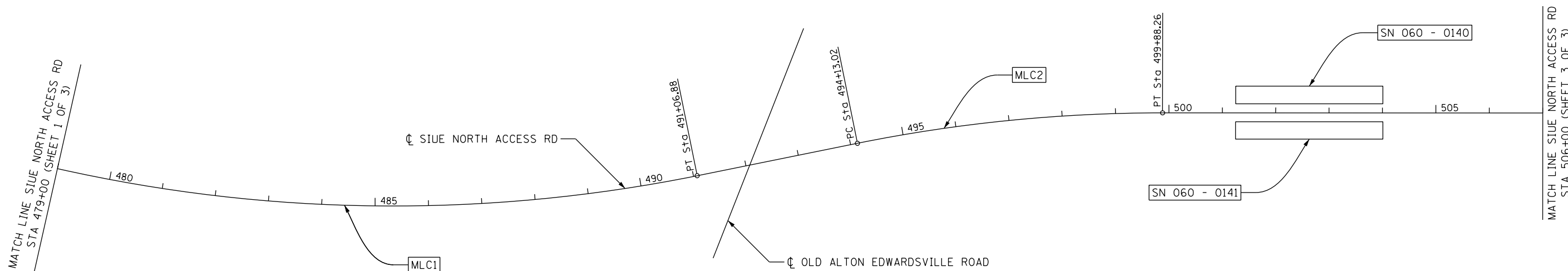
ALIGNMENTS

SCALE: 1"=100' SHEET 1 OF 3 SHEETS STA. 27+34.1 TO STA. 56+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	13
				CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT				

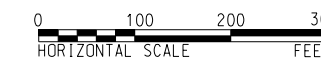
NOTE:

FOR THE CONTROL POINT INFORMATION
SEE ALIGNMENT AND TIES SHEET.



EXISTING SIUE NORTH ACCESS RD CURVE DATA

EX. CURVE MLC1	EX. CURVE MLC2
PI STA. = 482+21.25	PI STA. = 497+01.60
$\Delta = 36^\circ 41' 05''$ (LT)	$\Delta = 11^\circ 27' 07''$ (RT)
D = 1° 59' 50"	D = 1° 59' 27"
R = 2,868.63'	R = 2,878.02'
T = 951.06'	T = 288.58'
L = 1,836.69'	L = 575.24'
E = 153.55'	E = 14.43'
e = -----	e = -----
T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----
P.C. STA = 472+70.19	P.C. STA = 494+13.02
P.T. STA = 491+06.88	P.T. STA = 499+88.26



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

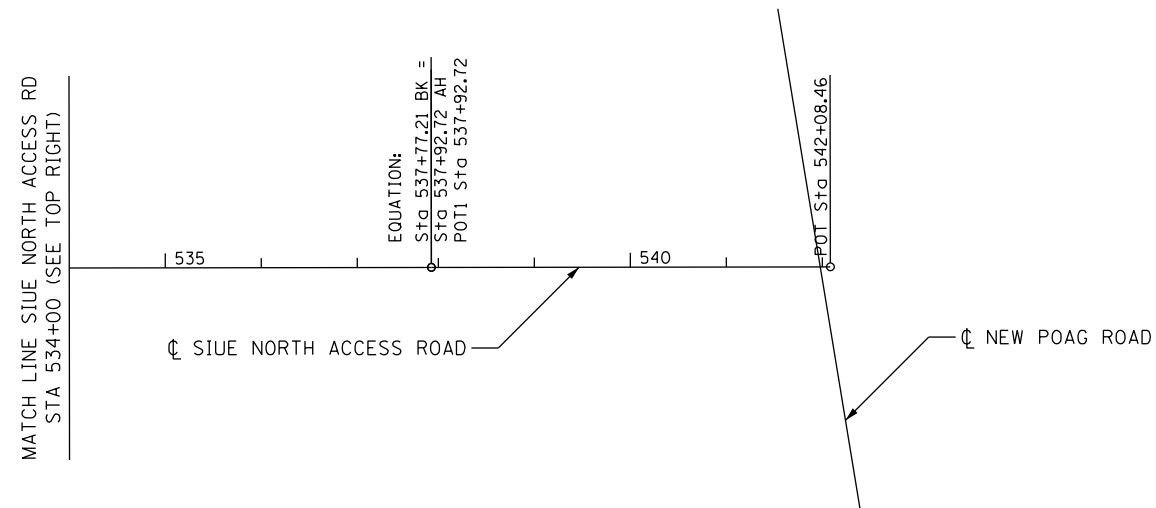
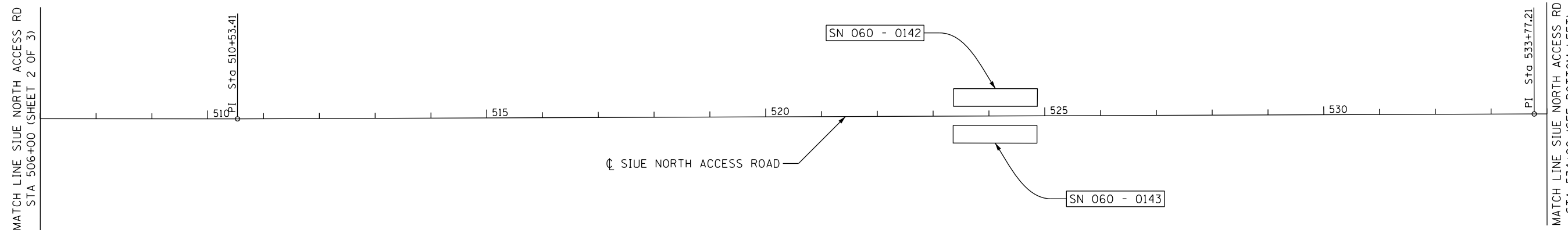
ALIGNMENTS

SCALE: 1"=100' SHEET 2 OF 3 SHEETS STA. 479+00 TO STA. 506+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	14
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				

NOTE:

FOR THE CONTROL POINT INFORMATION
SEE ALIGNMENT AND TIES SHEET.



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

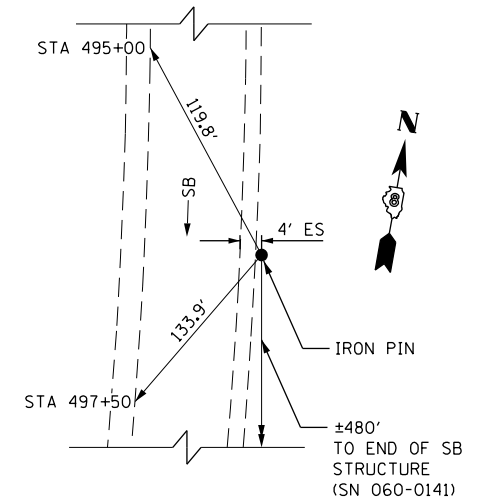
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS

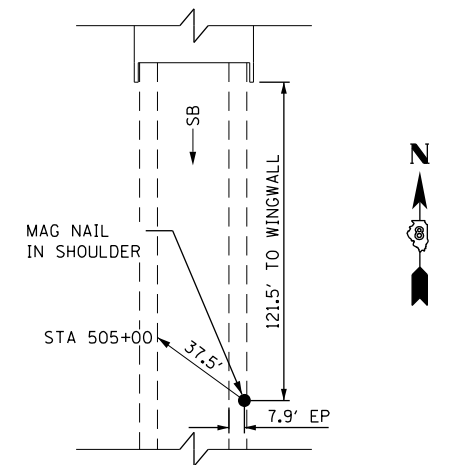
SCALE: 1"=100' SHEET 3 OF 3 SHEETS STA. 506+00 TO STA. 542+08.46

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	15
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				

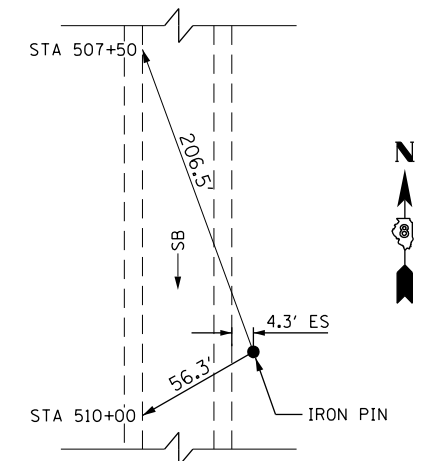
TIE POINT LOCATION STA	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE		MONUMENT RECORD TO BE RECORDED	NOTE	
			SAME	PSM TYPE I			LAND SECTION MARKER
				EACH			EACH
①	SIUE N NE CORNER SECTION S4 T4N R8W (MONUMENT RECORD)	PIN W/CAP				NO	
②	SIUE N SE CORNER SECTION S4 T4N R8W (MONUMENT RECORD)	MAG NAIL				NO	
③	SIUE N SE CORNER SECTION S4 T4N R8W (MONUMENT RECORD)	PIN W/CAP				NO	
TOTALS							



① TIES TO NE CORNER OF SECTION S4, T4N, R8W



② TIES TO SE CORNER OF SECTION S4, T4N, R8W



③ TIES TO SE CORNER OF SECTION S4, T4N, R8W



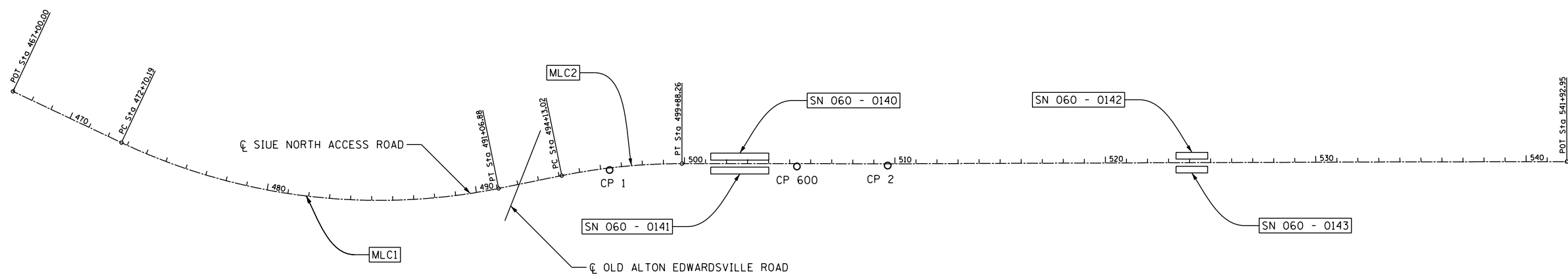
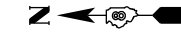
USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TIE POINTS

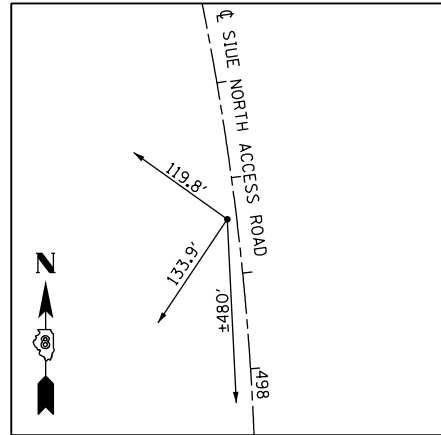
SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. ----- TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	16
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



EX. CURVE MLC1
 PI STA. = 482+21.25
 Δ = 36° 41' 05" (LT)
 D = 1° 59' 50"
 R = 2,868.63'
 T = 951.06'
 L = 1,836.69'
 E = 153.55'
 P.C. STA. = 472+70.19
 P.T. STA. = 491+06.88

EX. CURVE MLC2
 PI STA. = 497+01.60
 Δ = 11° 27' 07" (RT)
 D = 1° 59' 27"
 R = 2,878.02'
 T = 288.58'
 L = 575.24'
 E = 14.43'
 P.C. STA. = 494+13.02
 P.T. STA. = 499+88.26



CONTROL POINT #1

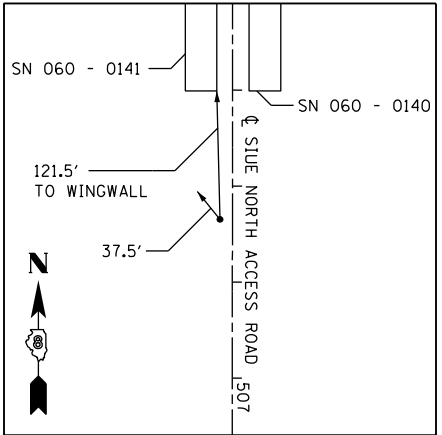
1. PIN WITH CAP
 119.8' TO STA 495+00
 133.9' TO STA 497+00
 ±480' TO N END OF STRUCTURE (SN 060-0141)

N 786452.7440
 E 2345751.1864

BENCHMARK BM SIUE-1

ELEV. 462.24

CUT "□" ON TOP OF NORTHWEST CORNER OF NORTHWEST WINGWALL OF THE SOUTHBOUND SIU-E NORTH ENTRANCE BRIDGE (SN 060-0141) OVER CAHOKIA CREEK.



CONTROL POINT #600

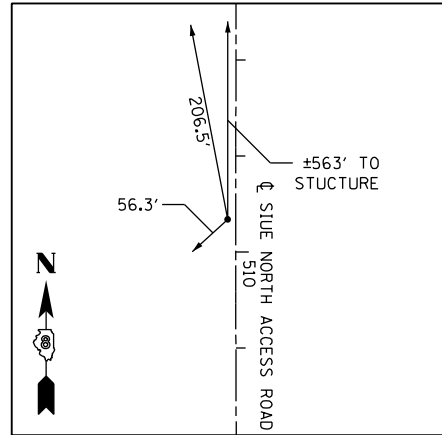
MAG NAIL IN SHOULDER
 37.5' TO STA 505+00
 121.5' TO WINGWALL OF STRUCTURE (SN 060-0141)

N 785562.6816
 E 2345767.9643

BENCHMARK BM SIUE-2

ELEV. 460.83

CUT "□" ON TOP OF NORTHWEST CORNER OF SOUTHWEST WINGWALL OF THE NORTHBOUND SIU-E NORTH ENTRANCE BRIDGE (SN 060-0140) OVER CAHOKIA CREEK.



CONTROL POINT #2

1. PIN WITH CAP
 206.5' TO STA 507+50
 56.3' TO STA 510+00
 ±563" TO S END OF STRUCTURE (SN 060-0141)

N 785131.3396
 E 2345772.1213

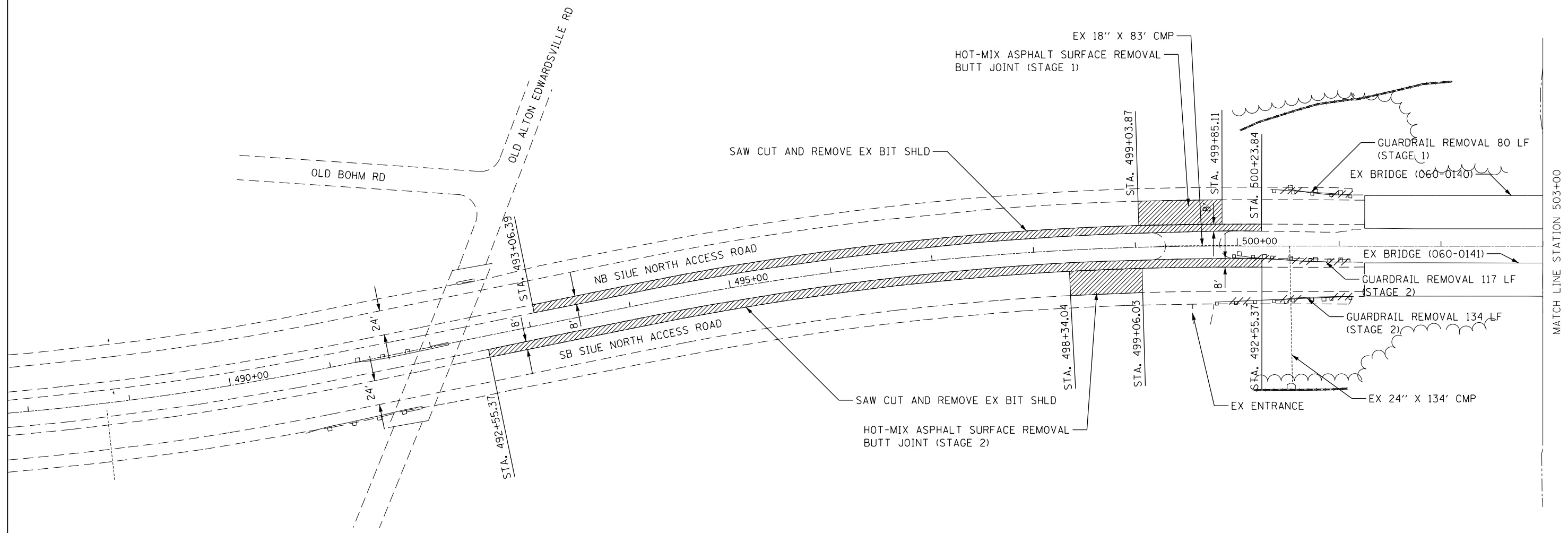
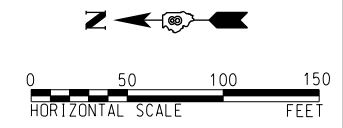


USER NAME = zmhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 600.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/11/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES
 SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. ----- TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	87	17
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



LEGEND

- LIMITS OF PAVED SHOULDER AND SURFACE REMOVAL
- GUARDRAIL REMOVAL



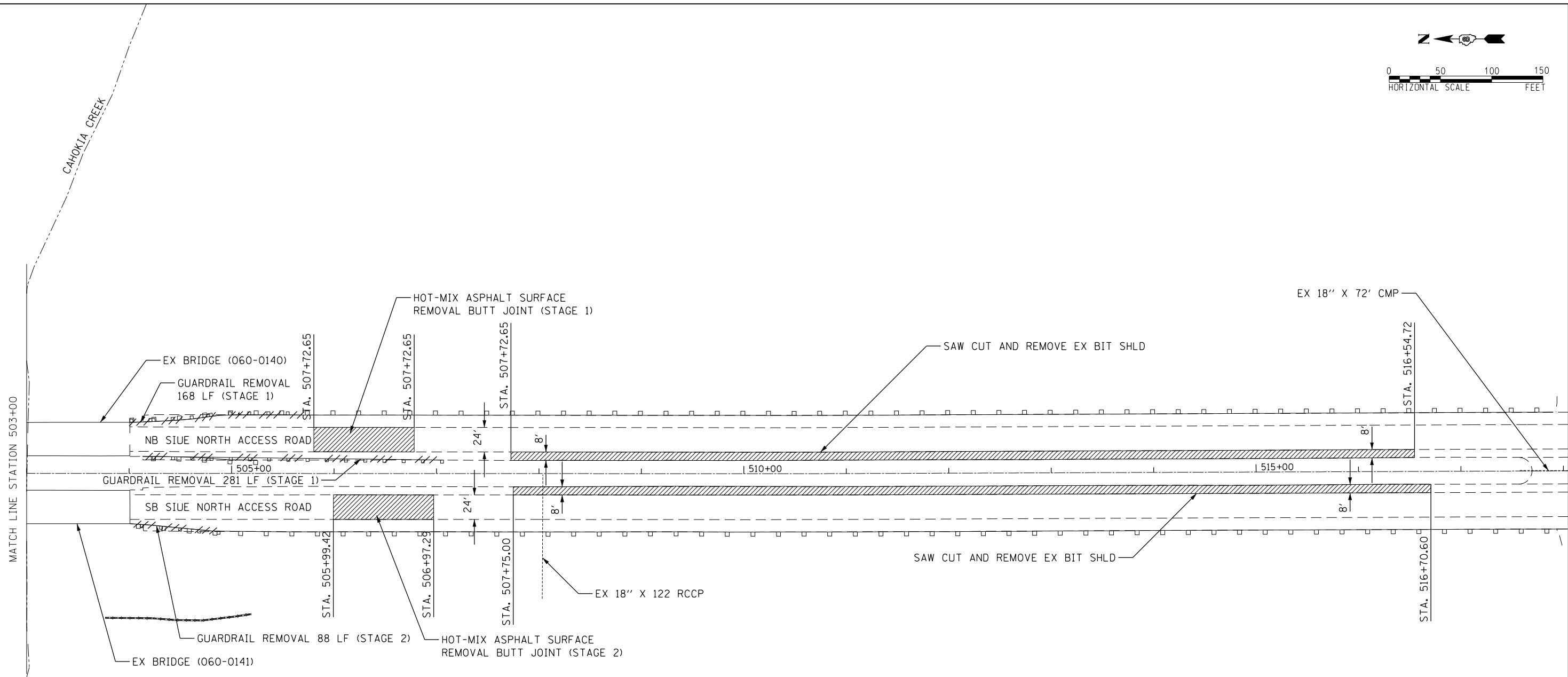
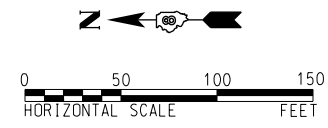
USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 1"=50'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
EXISTING PLAN AND REMOVALS - PRESTAGE /STAGE 1 /STAGE 2**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 488+00 TO STA. 503+50

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 18
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				



LEGEND

- LIMITS OF PAVED SHOULDER AND SURFACE REMOVAL
- GUARDRAIL REMOVAL



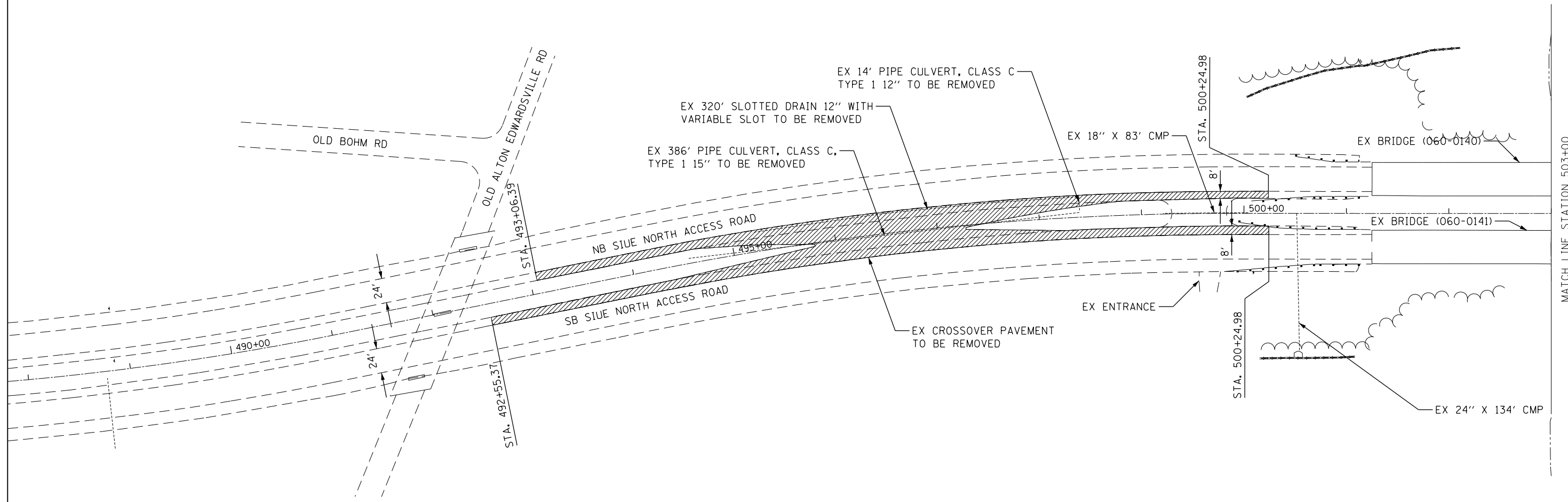
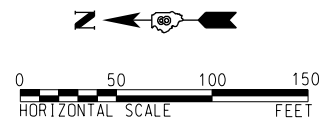
USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 1"=50'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
EXISTING PLAN AND REMOVALS - PRESTAGE /STAGE 1 /STAGE 2**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 502+50 TO STA. 518+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	19
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



LEGEND

LIMITS OF CROSSOVER PAVEMENT REMOVAL



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 1"=50'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

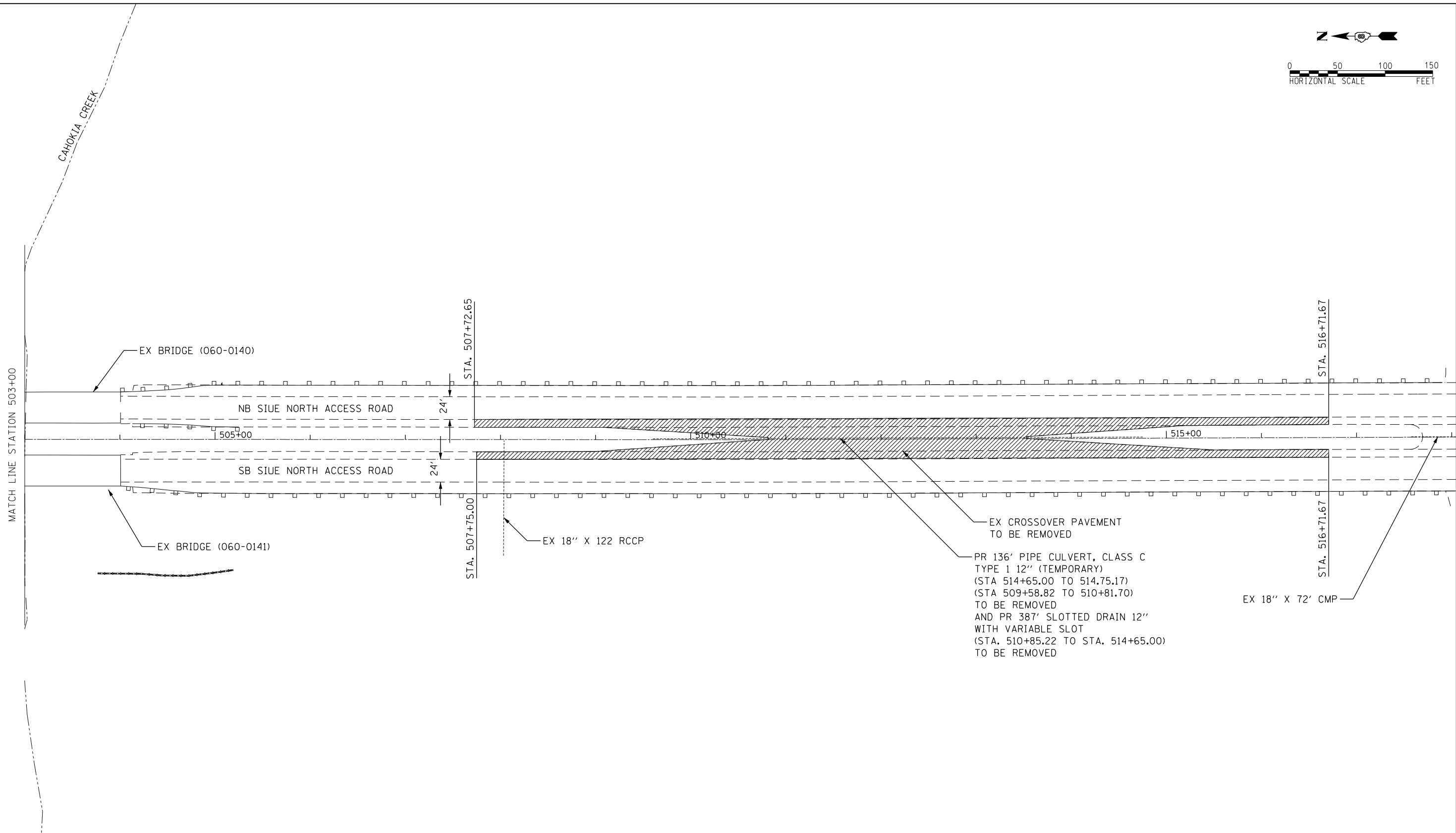
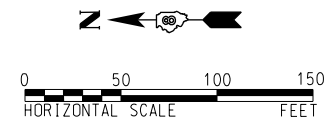
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
EXISTING PLAN AND REMOVALS - STAGE 3**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 488+00 TO STA. 503+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	20
CONTRACT NO. 76481				

ILLINOIS FED. AID PROJECT



EX CROSSOVER PAVEMENT TO BE REMOVED

PR 136' PIPE CULVERT, CLASS C TYPE 1 12" (TEMPORARY) (STA 514+65.00 TO 514.75.17) (STA 509+58.82 TO 510+81.70) TO BE REMOVED AND PR 387' SLOTTED DRAIN 12" WITH VARIABLE SLOT (STA. 510+85.22 TO STA. 514+65.00) TO BE REMOVED

LEGEND

LIMITS OF CROSSOVER PAVEMENT REMOVAL



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 1"=50'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

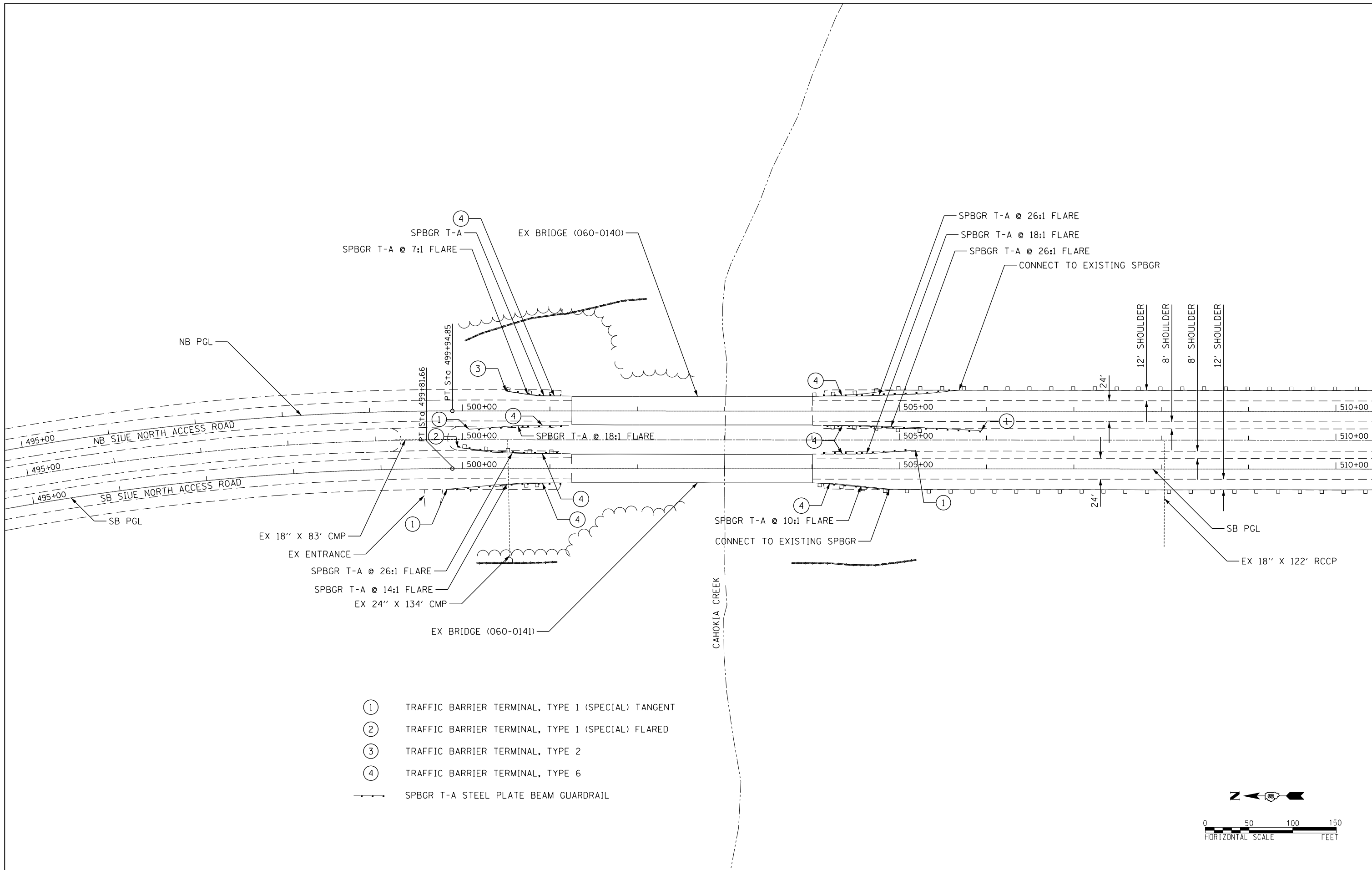
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
EXISTING PLAN AND REMOVALS - STAGE 3**

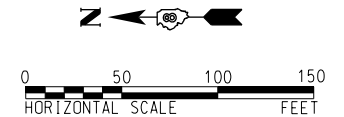
SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 502+50 TO STA. 518+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	21
CONTRACT NO. 76481				

ILLINOIS FED. AID PROJECT



- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- ② TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- ③ TRAFFIC BARRIER TERMINAL, TYPE 2
- ④ TRAFFIC BARRIER TERMINAL, TYPE 6
- — — — — SPBGR T-A STEEL PLATE BEAM GUARDRAIL



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 1"=50'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

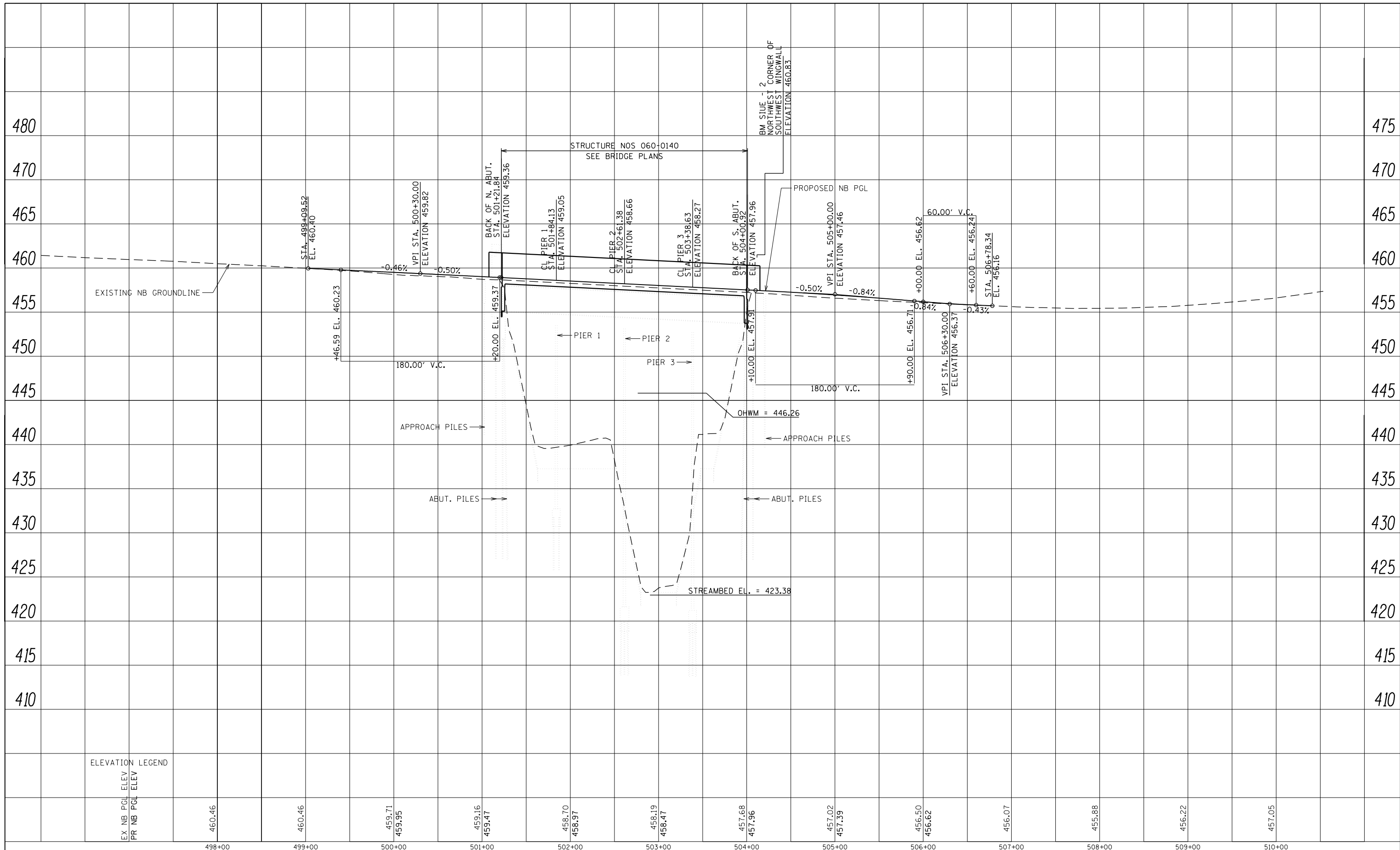
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIUE NORTH ACCESS ROAD PLAN SHEET		
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. 490+00 TO STA. 503+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 22
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				

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

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



ELEVATION LEGEND

EX NB PGL ELEV
PR NB PGL ELEV

460.46	460.46	459.71	459.95	459.16	459.47	458.70	458.97	458.19	458.47	457.68	457.96	457.02	457.39	456.50	456.62	456.07	455.88	456.22	457.05
498+00	499+00	500+00	501+00	502+00	503+00	504+00	505+00	506+00	507+00	508+00	509+00	510+00							



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - MJR	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

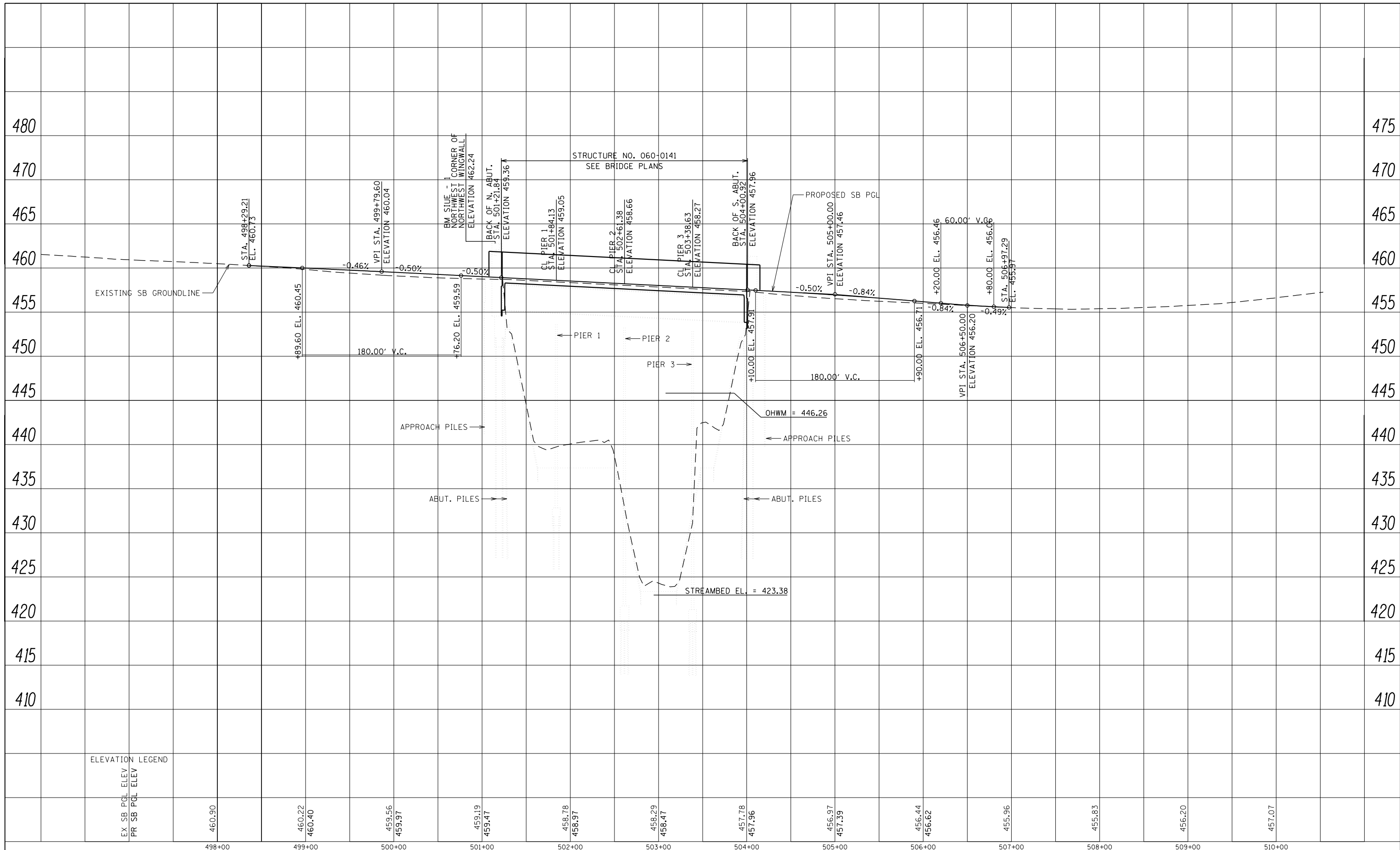
SUE NORTH ACCESS ROAD
NORTHBOUND PROFILE SHEET

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. ----- TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	23	23
CONTRACT NO. 76481			ILLINOIS FED. AID PROJECT	

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
NOTE BOOK NO.	NOTATION CHKD		



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - MJR	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE NORTH ACCESS ROAD SOUTHBOUND PROFILE SHEET	
SCALE: 1"=50'	SHEET 2 OF 2 SHEETS
STA. -----	TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	24	24
				CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT				

NOTE:

PRESTAGE WORK IS REQUIRED TO BE COMPLETED PRIOR TO ANY OTHER STAGES OF CONSTRUCTION.

SUGGESTED STAGES OF CONSTRUCTION - PRESTAGE

TRAFFIC:

1. PLACE CONSTRUCTION SIGNING AND COVER ANY EXISTING SIGNS THAT CONFLICT WITH WORK ZONE REQUIREMENTS.
2. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION OF SIUE NORTH ACCESS ROAD DURING CONSTRUCTION HOURS.
3. NO PAVEMENT DROP-OFF CONDITIONS ALLOWED DURING NON-WORKING/CONSTRUCTION HOURS. PAVEMENT EDGE TREATMENT TO BE PLACED AS NECESSARY TO ENSURE TWO LANES OF TRAFFIC IN EACH DIRECTION DURING NON-WORKING/CONSTRUCTION HOURS.
4. TRAFFIC WILL REMAIN IN EXISTING NORTHBOUND AND SOUTHBOUND SIUE NORTH ACCESS ROAD CONFIGURATIONS WITH CONSTRUCTION WORK OCCURRING IN MEDIAN.

PRIMARY WORK ACTIVITIES:

1. CONSTRUCT TWO TEMPORARY PAVEMENT CROSSOVERS.
2. PLACE HMA OVERLAY ON SOUTHBOUND SIUE NORTH ACCESS ROAD BRIDGE DECK.

SUGGESTED STAGES OF CONSTRUCTION - STAGE 1

TRAFFIC:

1. TRAFFIC IS SHIFTED FROM NORTHBOUND SIUE NORTH ACCESS ROAD TO SOUTHBOUND SIUE NORTH ACCESS ROAD VIA TEMPORARY CROSSOVERS.
2. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION OF SIUE NORTH ACCESS ROAD.

PRIMARY WORK ACTIVITIES:

1. PERFORM BRIDGE DECK REPLACEMENT AND OTHER RERAIRS ON NORTHBOUND SIUE NORTH ACCESS ROAD.

SUGGESTED STAGES OF CONSTRUCTION - STAGE 2

TRAFFIC:

1. TRAFFIC IS SHIFTED FROM SOUTHBOUND SIUE NORTH ACCESS ROAD TO NEWLY CONSTRUCTED NORTHBOUND SIUE NORTH ACCESS ROAD STRUCTURE VIA TEMPORARY CROSSOVERS.
2. RELOCATE TEMPORARY CONCRETE BARRIER FROM STAGE 1 TO STAGE 2.

PRIMARY WORK ACTIVITIES:

1. PERFORM BRIDGE DECK REPLACEMENT AND OTHER REPAIRS ON SOUTHBOUND SIUE NORTH ACCESS ROAD.

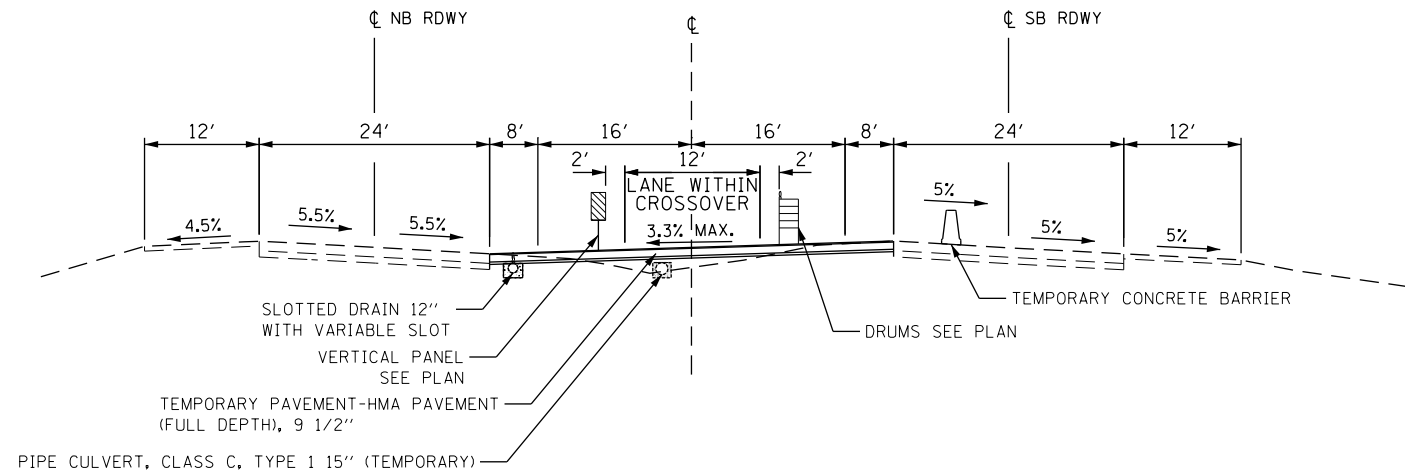
SUGGESTED STAGES OF CONSTRUCTION - STAGE 3

TRAFFIC:

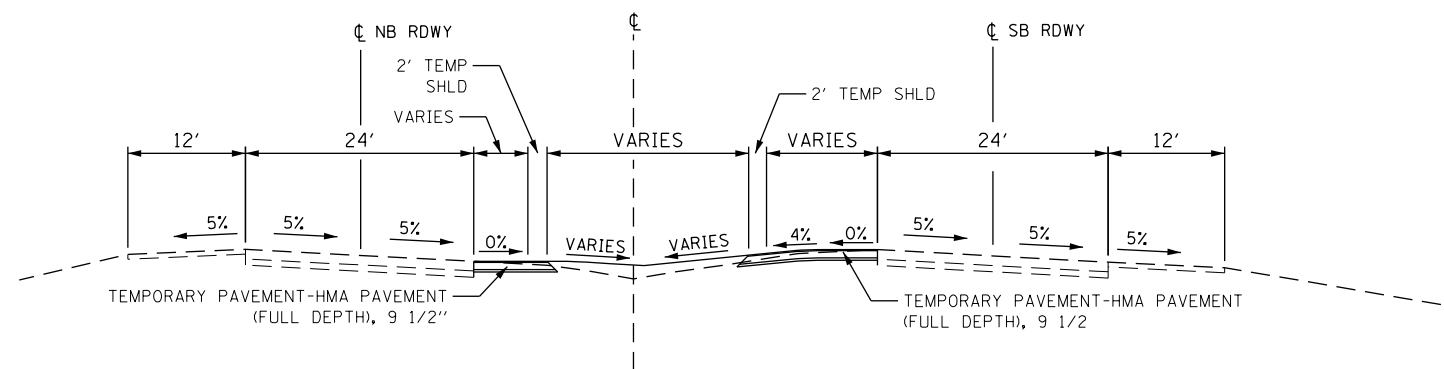
1. NORTHBOUND AND SOUTHBOUND SIUE NORTH ACCESS ROAD TRAFFIC WILL BE SHIFTED BACK TO RESPECTIVE LANES.
2. MAINTAIN TWO LANES OF TRAFFIC ON NORTHBOUND AND SOUTHBOUND SIUE NORTH ACCESS ROAD. SHOULDER CLOSURES MAY BE NEEDED TO PERFORM CONSTRUCTION AS NEEDED.

PRIMARY WORK ACTIVITIES:

1. COMPLETE MISCELLANEOUS ITEMS AS NEEDED
2. COMPLETE PUNCH LIST ITEMS
3. REMOVE TEMPORARY CROSSOVERS
4. REGRADE MEDIAN DITCHES AND APPLY FINAL SEEDING AND MULCH IN THE AREAS OF THE TEMPORARY CROSSOVERS.



TYPICAL SECTION
NORTH OF BRIDGE TEMPORARY CROSSOVER
STA. 496+00 TO STA. 497+00



TYPICAL SECTION
NORTH OF BRIDGE TEMPORARY CROSSOVER
STA. 492+55 TO STA. 495+80
STA. 497+28 TO STA. 500+00



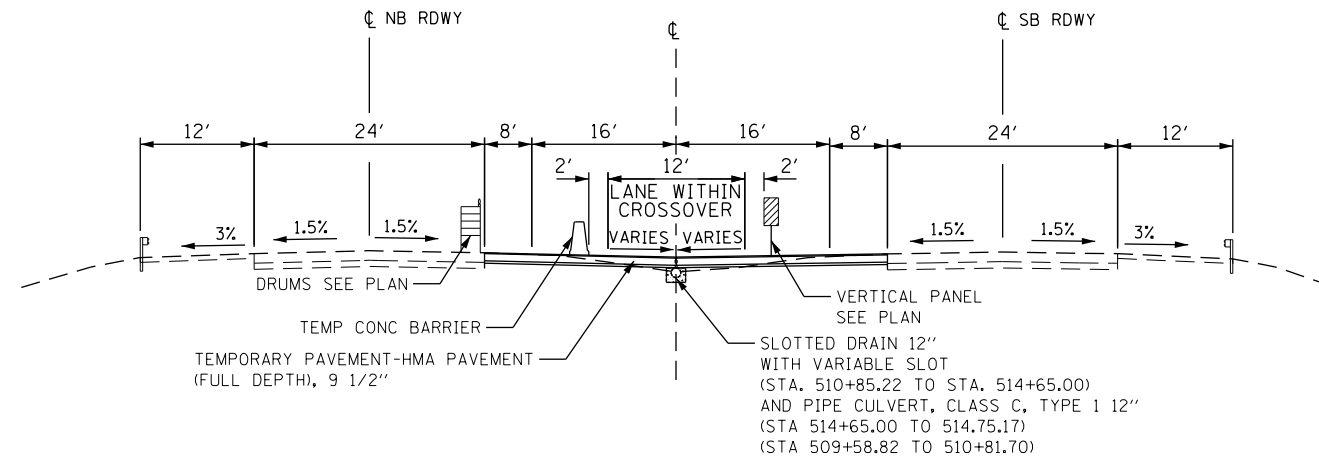
USER NAME = znhuggins	DESIGNED - JLM	REVISED -
PLOT SCALE = 1" = 10'	DRAWN - ZMH	REVISED -
PLOT DATE = 4/21/2016	CHECKED - RJM	REVISED -
	DATE - 4/21/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIUE NORTH ACCESS ROAD
SUGGESTED SEQUENCE OF STAGED CONSTRUCTION & TRAFFIC CONTROL

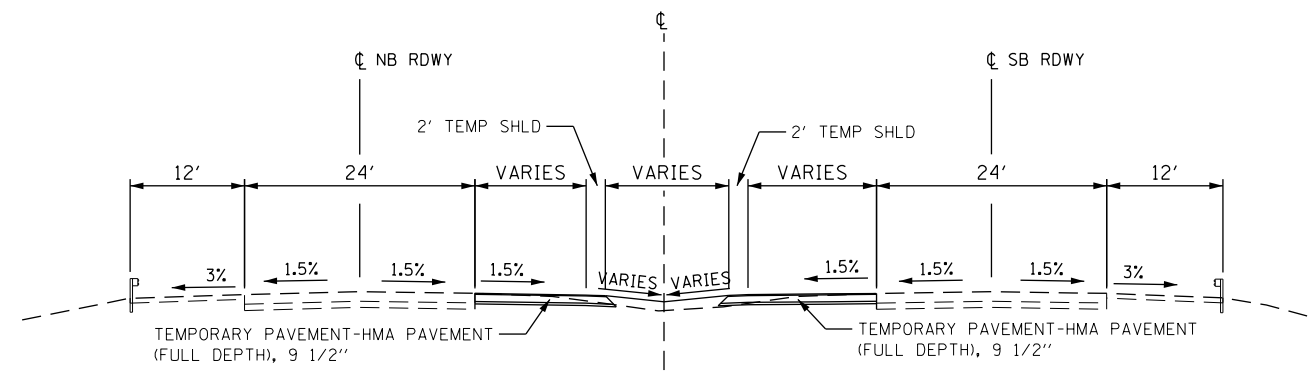
SCALE: NONE SHEET 1 OF 2 SHEETS STA. ----- TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	25
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION

SOUTH OF BRIDGE TEMPORARY CROSSOVER
STA. 511+25 TO STA. 513+08



TYPICAL SECTION

SOUTH OF BRIDGE TEMPORARY CROSSOVER
STA. 508+00 TO STA. 510+80
STA. 513+53 TO STA. 516+60



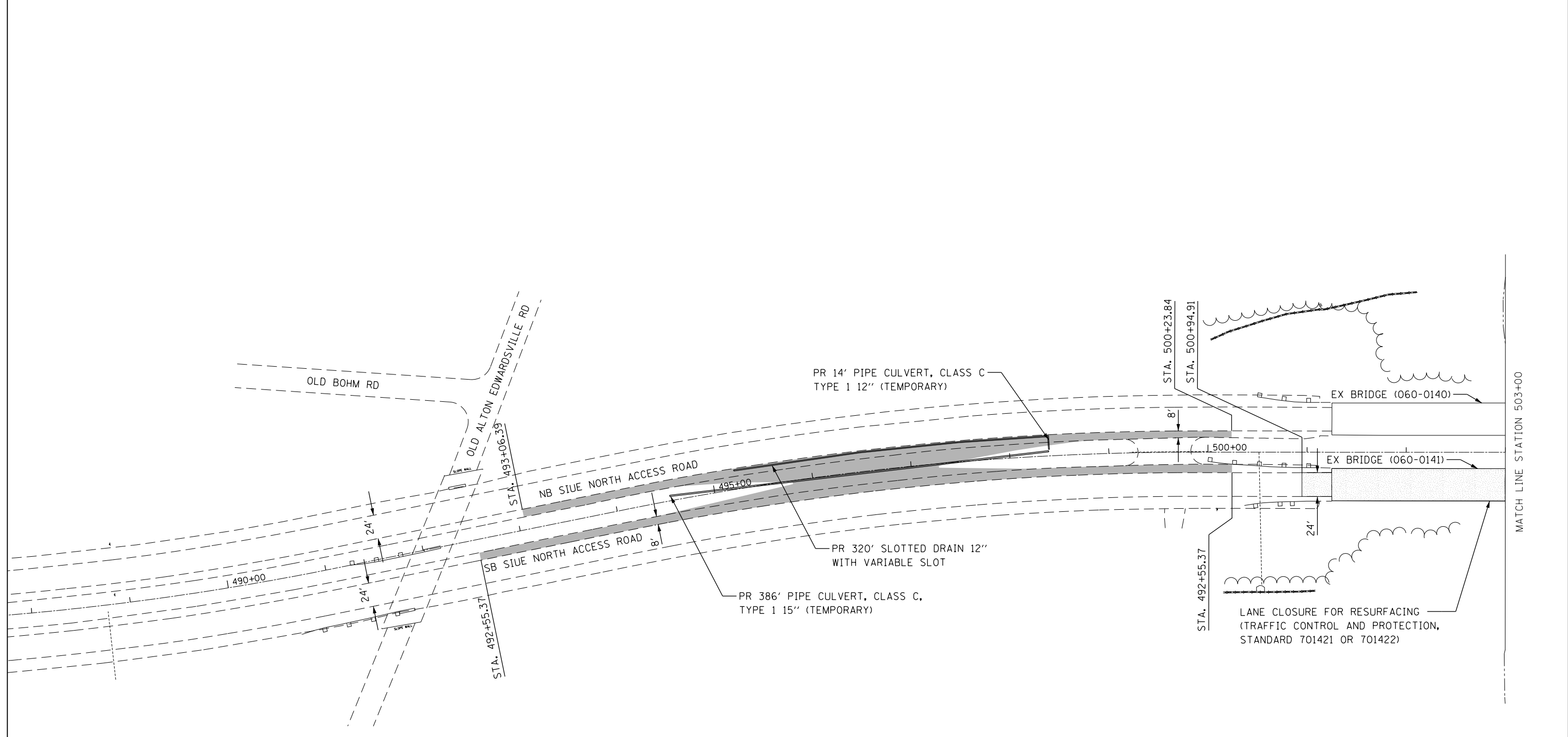
USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 1" = 10'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIUE NORTH ACCESS ROAD
SUGGESTED SEQUENCE OF STAGED CONSTRUCTION & TRAFFIC CONTROL

SCALE: NONE SHEET 2 OF 2 SHEETS STA. ----- TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	26
				CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT				



PR 14' PIPE CULVERT, CLASS C
TYPE 1 12" (TEMPORARY)

PR 320' SLOTTED DRAIN 12"
WITH VARIABLE SLOT

PR 386' PIPE CULVERT, CLASS C,
TYPE 1 15" (TEMPORARY)

EX BRIDGE (060-0140)

EX BRIDGE (060-0141)

LANE CLOSURE FOR RESURFACING
(TRAFFIC CONTROL AND PROTECTION,
STANDARD 701421 OR 701422)

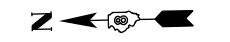
STA. 500+23.84
STA. 500+94.91

STA. 492+55.37

MATCH LINE STATION 503+00

LEGEND

- HOT-MIX ASPHALT BASE COURSE, 9 1/2" (CROSSOVER)
- LIMITS OF RESURFACING

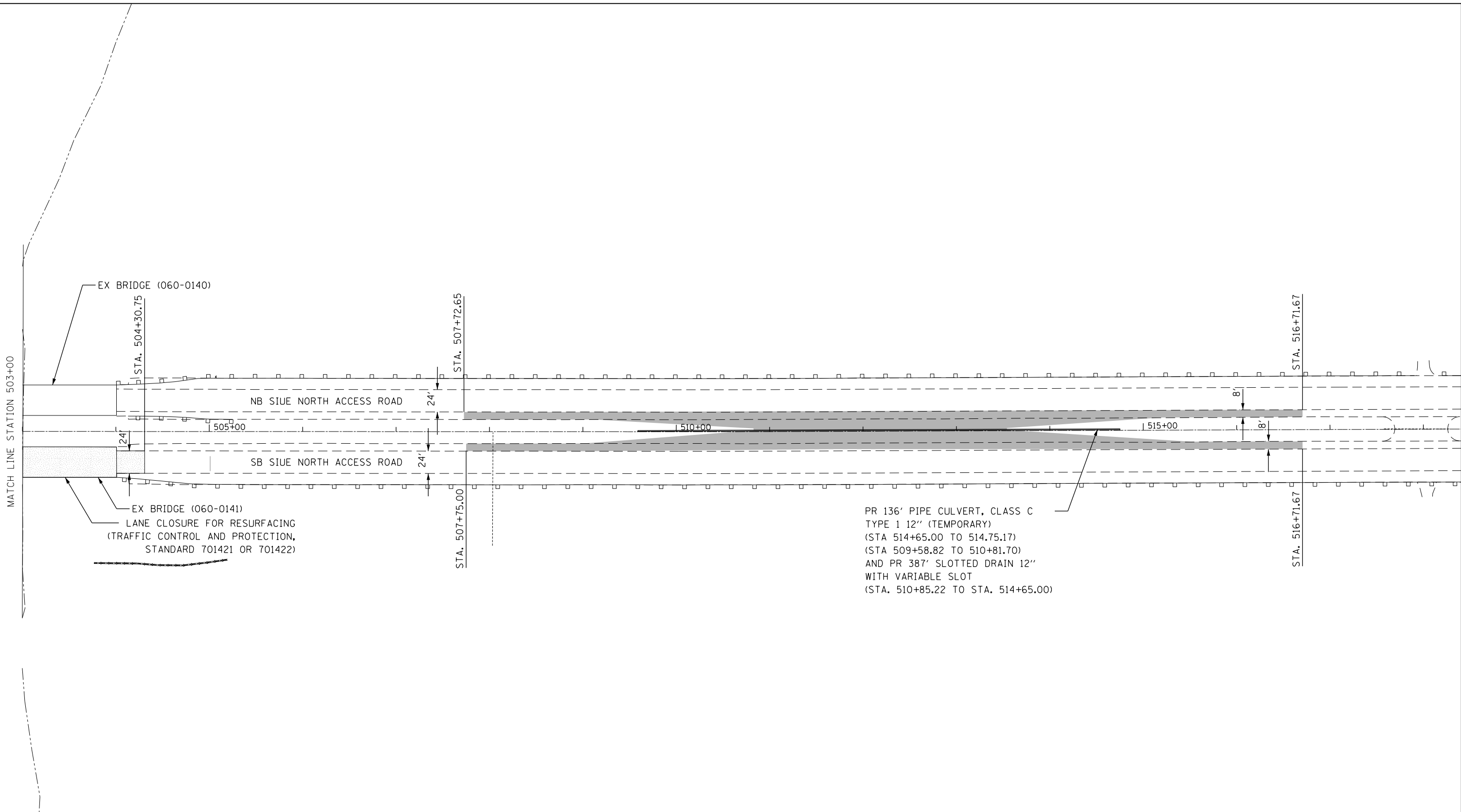


USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/29/2016	DATE - 4/29/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIUE NORTH ACCESS ROAD	
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PRESTAGE	
SCALE: 1"=50'	SHEET 1 OF 2 SHEETS
STA. 488+00	TO STA. 503+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 27
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				



PR 136' PIPE CULVERT, CLASS C
 TYPE 1 12" (TEMPORARY)
 (STA 514+65.00 TO 514.75.17)
 (STA 509+58.82 TO 510+81.70)
 AND PR 387' SLOTTED DRAIN 12"
 WITH VARIABLE SLOT
 (STA. 510+85.22 TO STA. 514+65.00)

LEGEND

- HOT-MIX ASPHALT BASE COURSE, 9 1/2" (CROSSOVER)
- LIMITS OF RESURFACING



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/29/2016	DATE - 4/29/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PRESTAGE
 SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 503+00 TO STA. 518+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 28
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES










ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

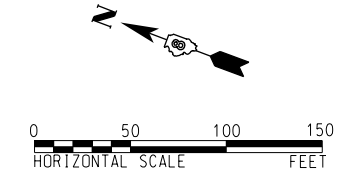
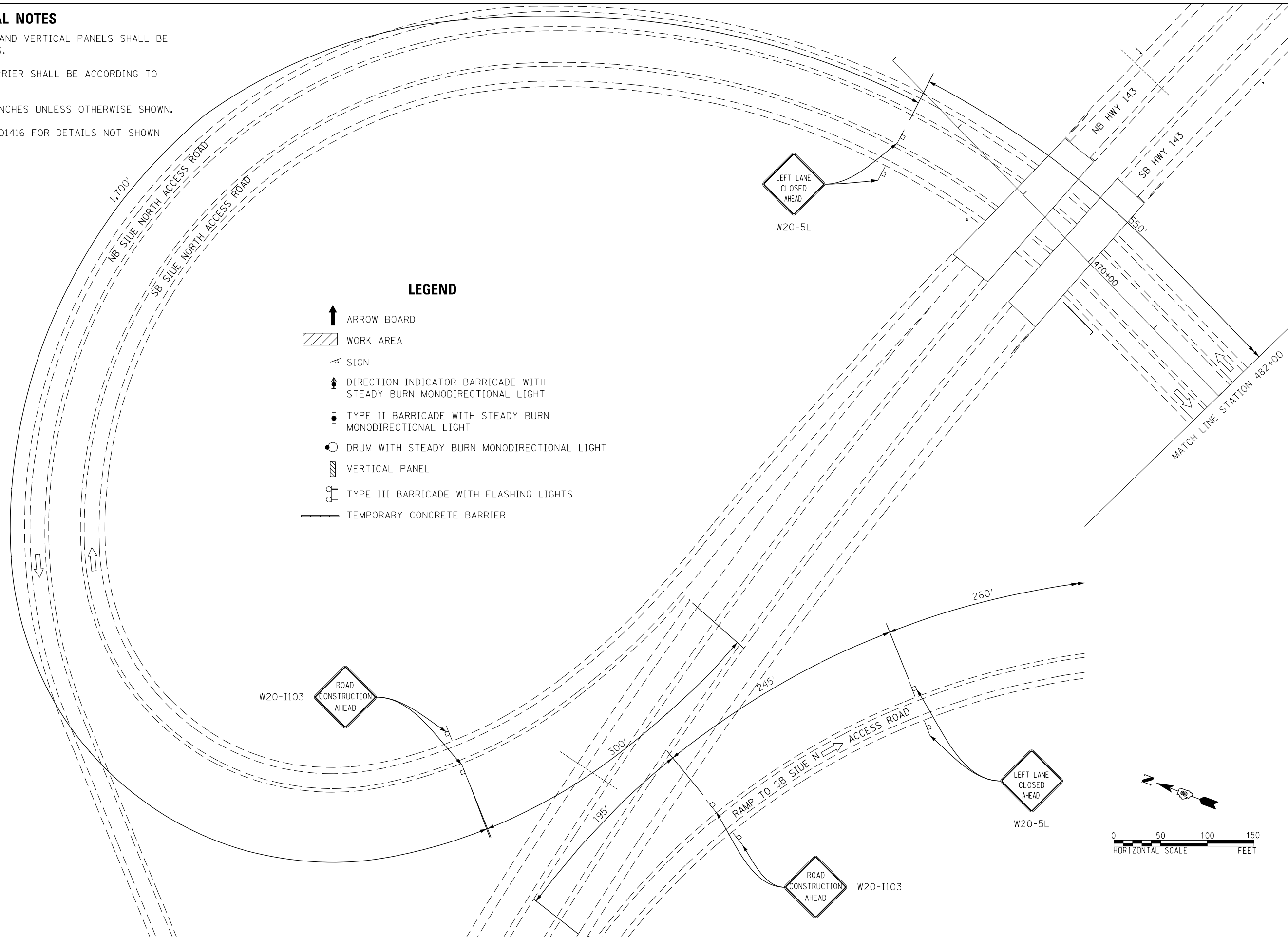
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.










LEGEND

-  ARROW BOARD
-  WORK AREA
-  SIGN
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  VERTICAL PANEL
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER



	USER NAME = znhuggins	DESIGNED - JLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIUE NORTH ACCESS ROAD SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1			F.A.U. RTE. = 8885	SECTION = 1BR	COUNTY = MADISON	TOTAL SHEETS = 86	SHEET NO. = 29	
	PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -		SCALE: 1"=50'	SHEET 1 OF 7 SHEETS	STA. ----- TO STA. 472+00	CONTRACT NO. 76481					
	PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -		ILLINOIS FED. AID PROJECT								

LEGEND

-  ARROW BOARD
-  WORK AREA
-  SIGN
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  VERTICAL PANEL
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER

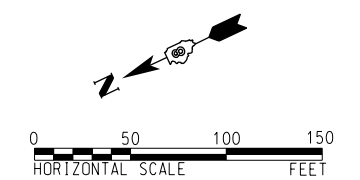
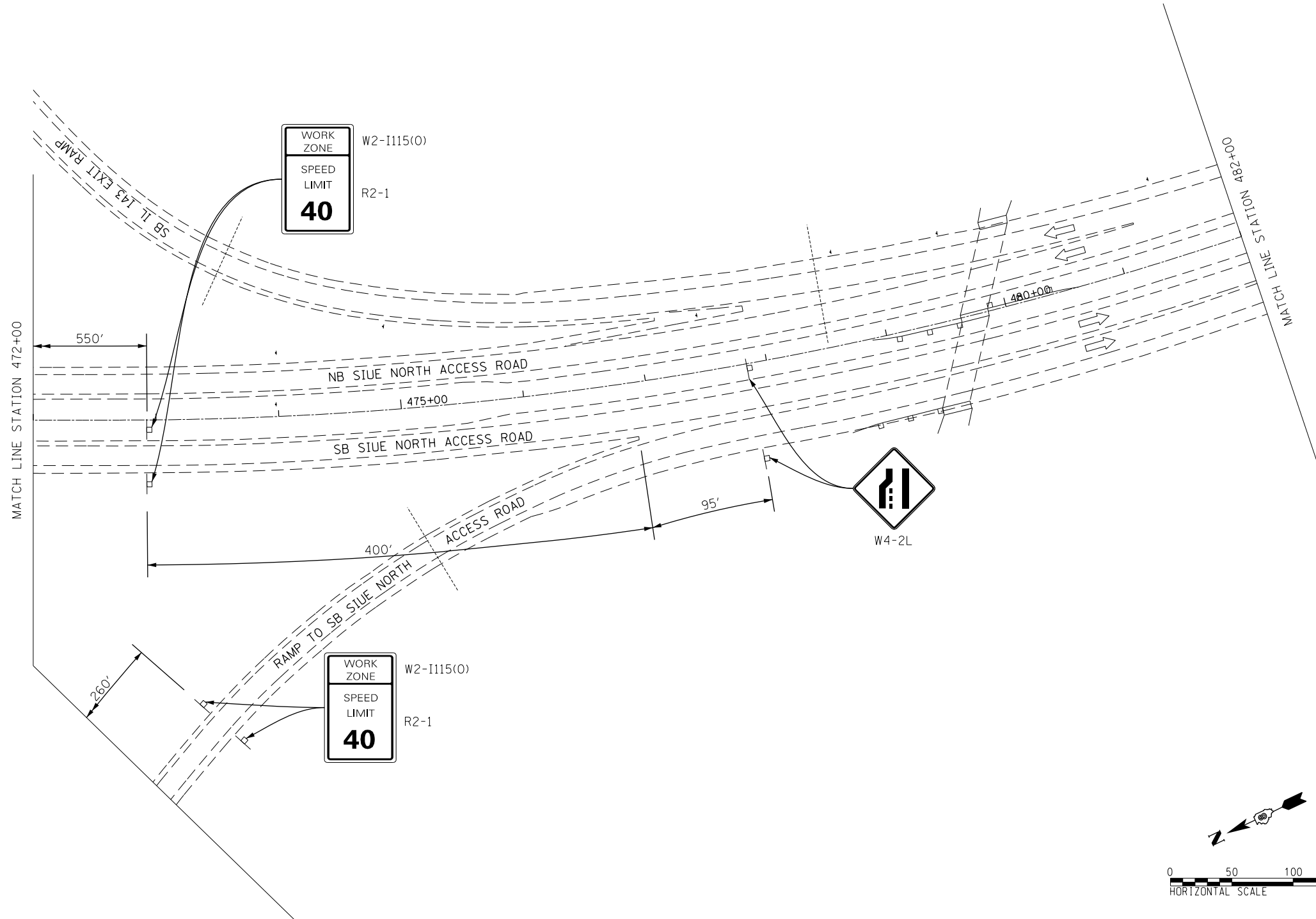
GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.



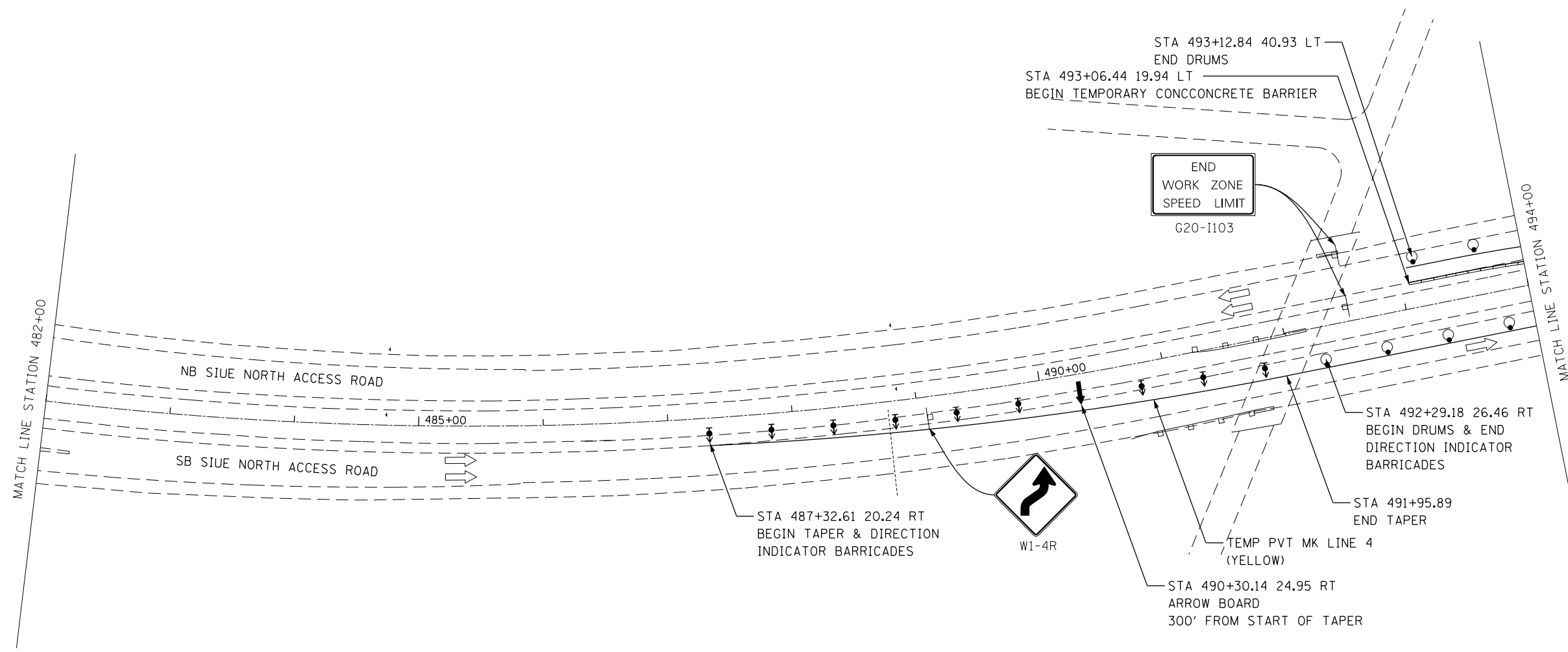
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	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1**

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. 472+00 TO STA. 482+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 30
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



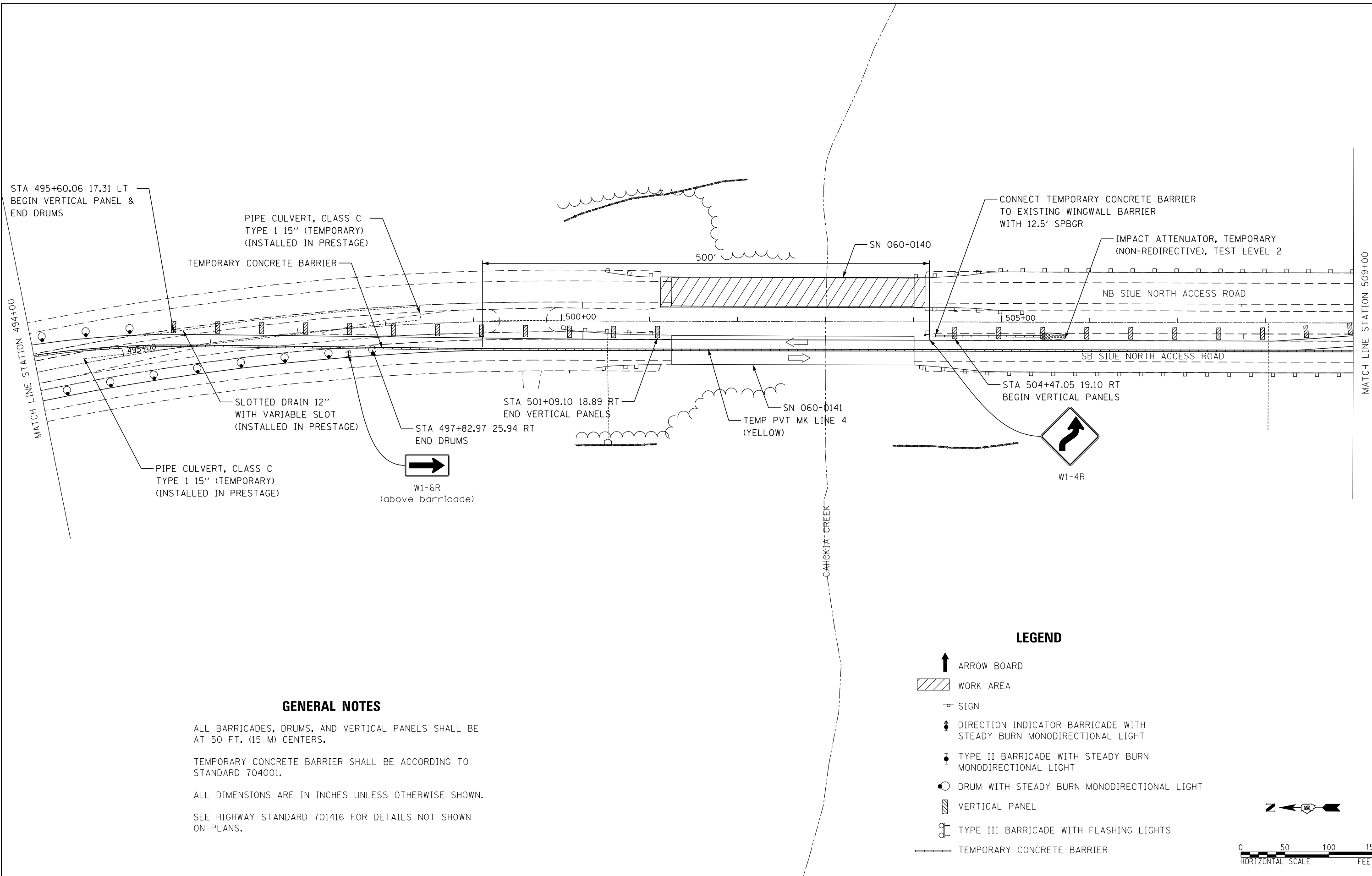
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PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1**

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 482+00 TO STA. 494+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76481	



GENERAL NOTES

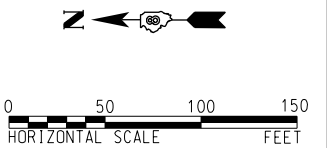
ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

- LEGEND**
- ARROW BOARD
 - WORK AREA
 - SIGN
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY CONCRETE BARRIER



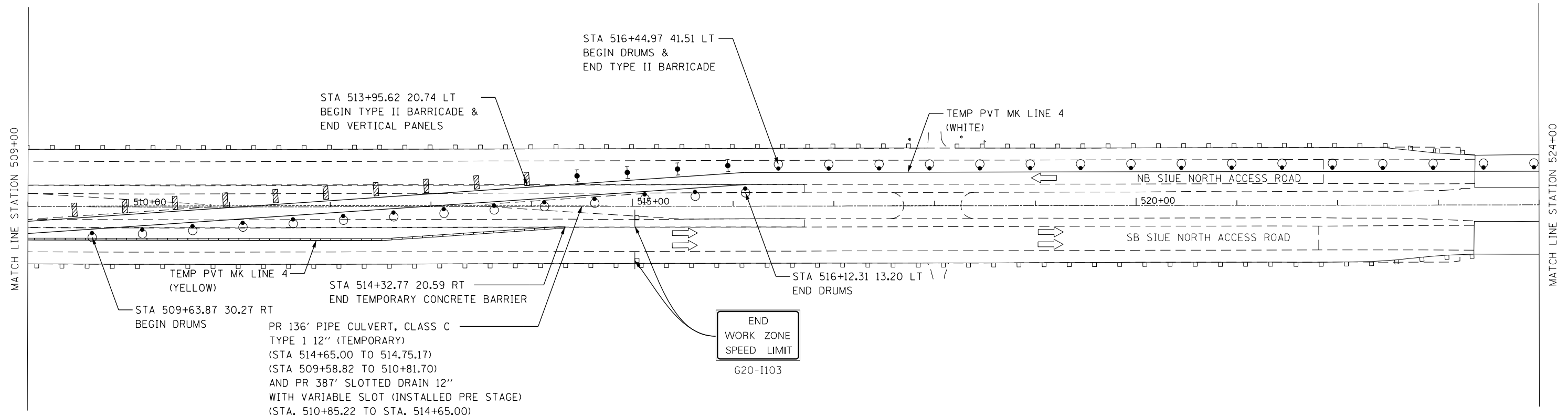
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	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1**

SCALE: 1"=50' SHEET 4 OF 7 SHEETS STA. 494+00 TO STA. 509+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 32
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

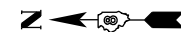
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



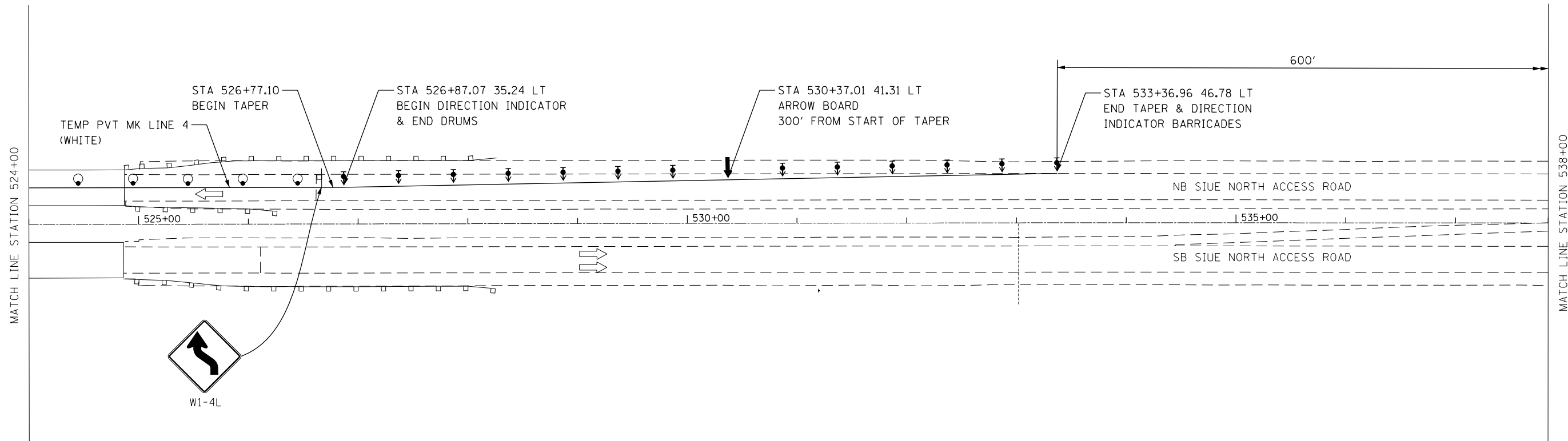
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	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1**

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 509+00 TO STA. 524+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	33
				CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



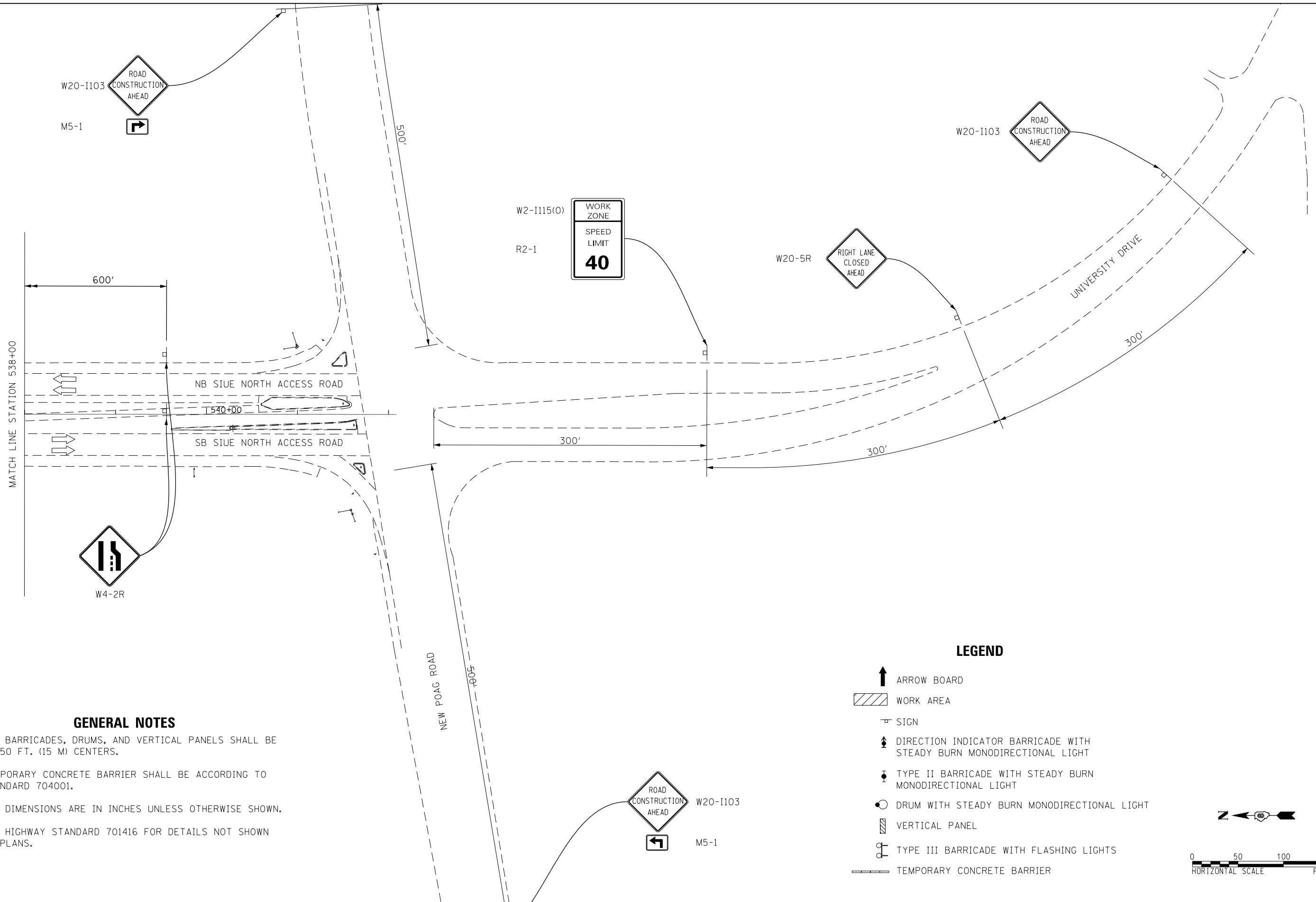
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PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1**

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 524+00 TO STA. 538+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	34
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

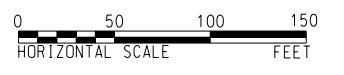
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1**

SCALE: 1"=50' SHEET 7 OF 7 SHEETS STA. 538+00 TO STA. 542+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76481	

GENERAL NOTES










ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

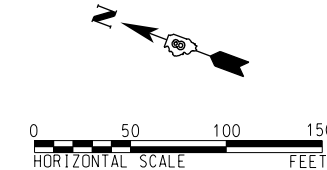
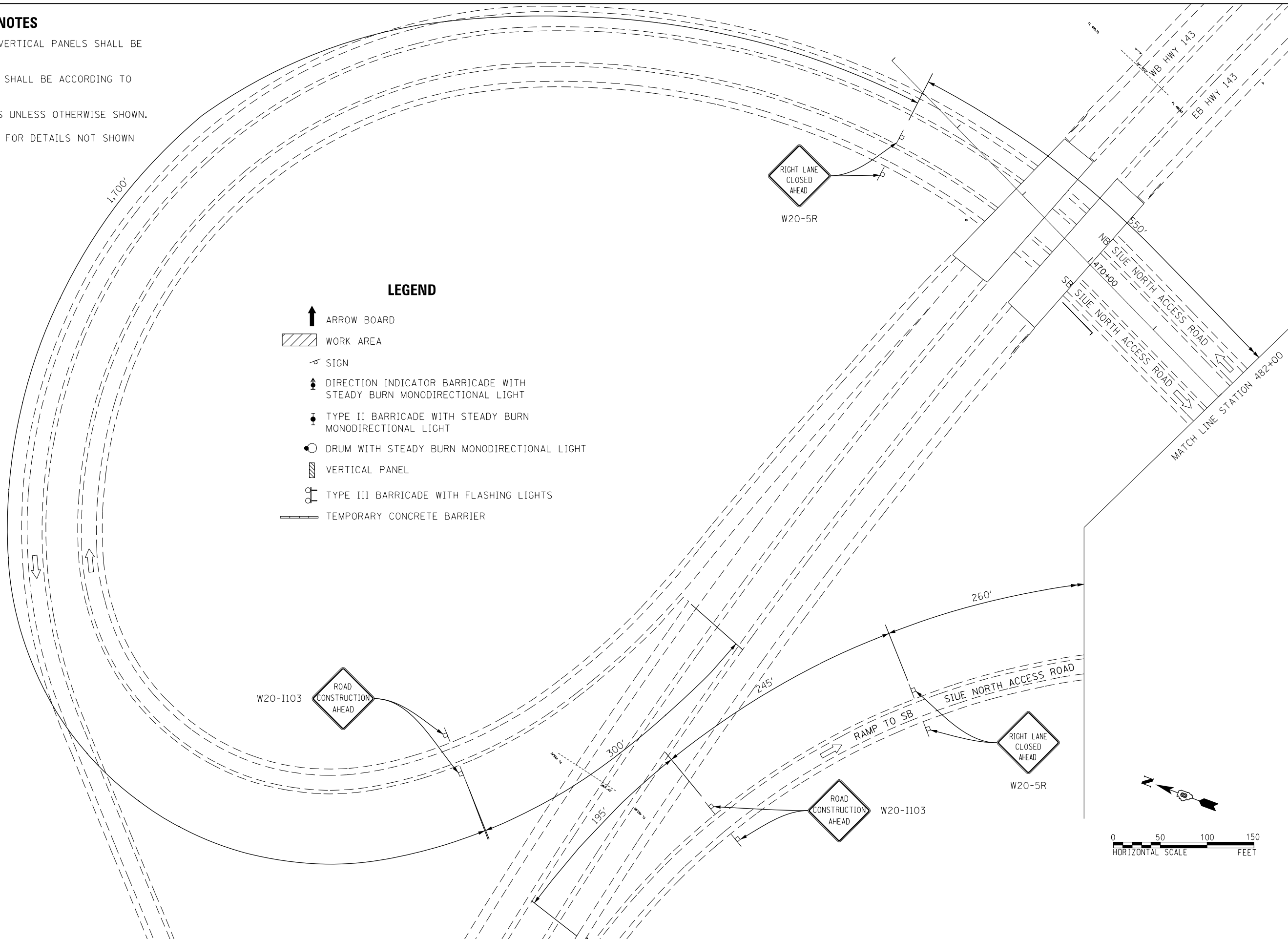
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

-  ARROW BOARD
-  WORK AREA
-  SIGN
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  VERTICAL PANEL
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER












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PLOT SCALE = 100.0000' / 1" =	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIEU NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2**

SCALE: 1"=50' SHEET 1 OF 7 SHEETS STA. ----- TO STA. 472+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 36
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

- LEGEND**
-  ARROW BOARD
 -  WORK AREA
 -  SIGN
 -  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 -  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 -  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 -  VERTICAL PANEL
 -  TYPE III BARRICADE WITH FLASHING LIGHTS
 -  TEMPORARY CONCRETE BARRIER

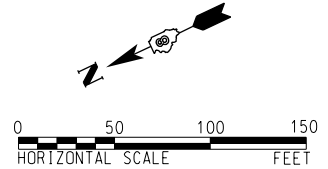
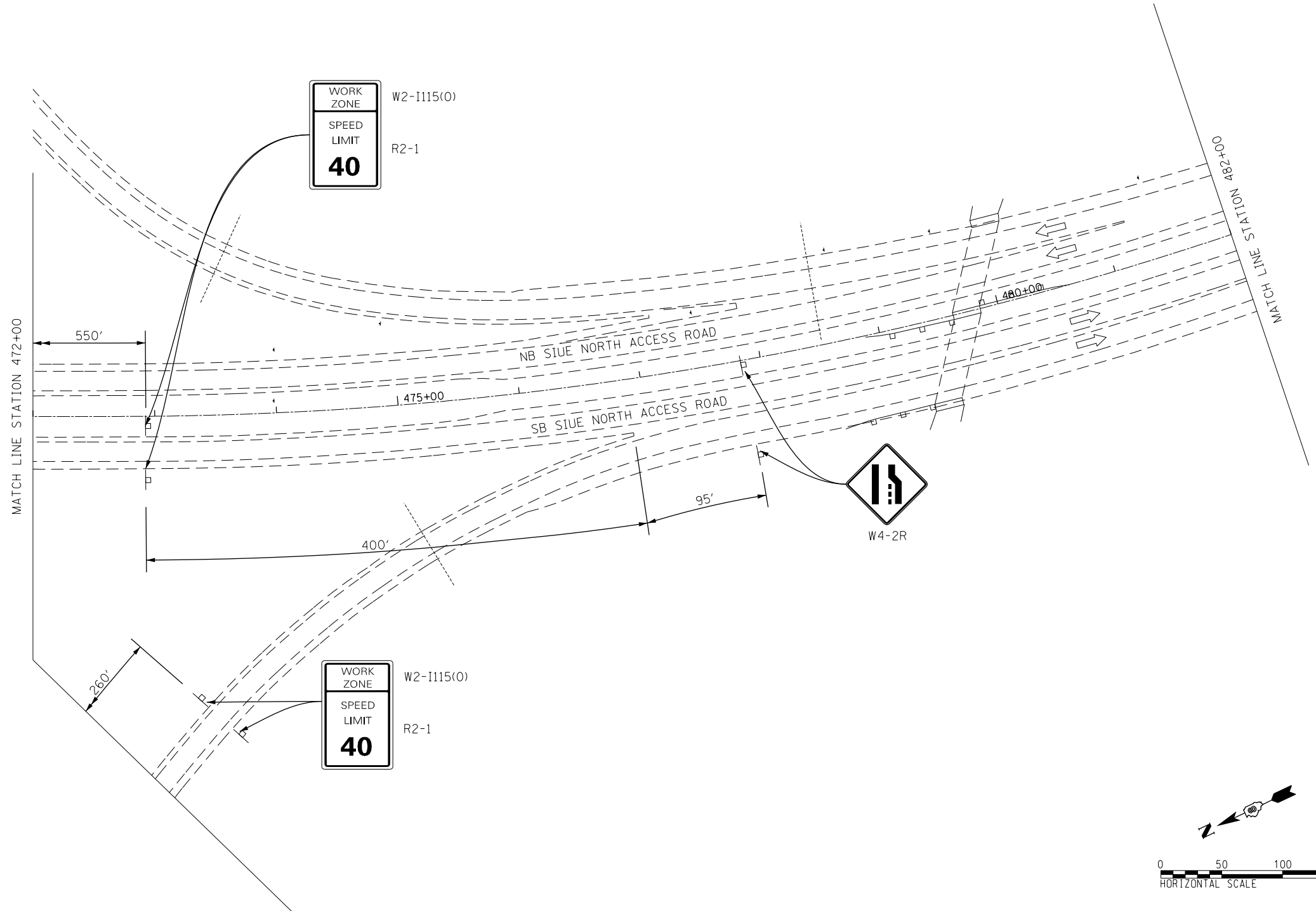
GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.



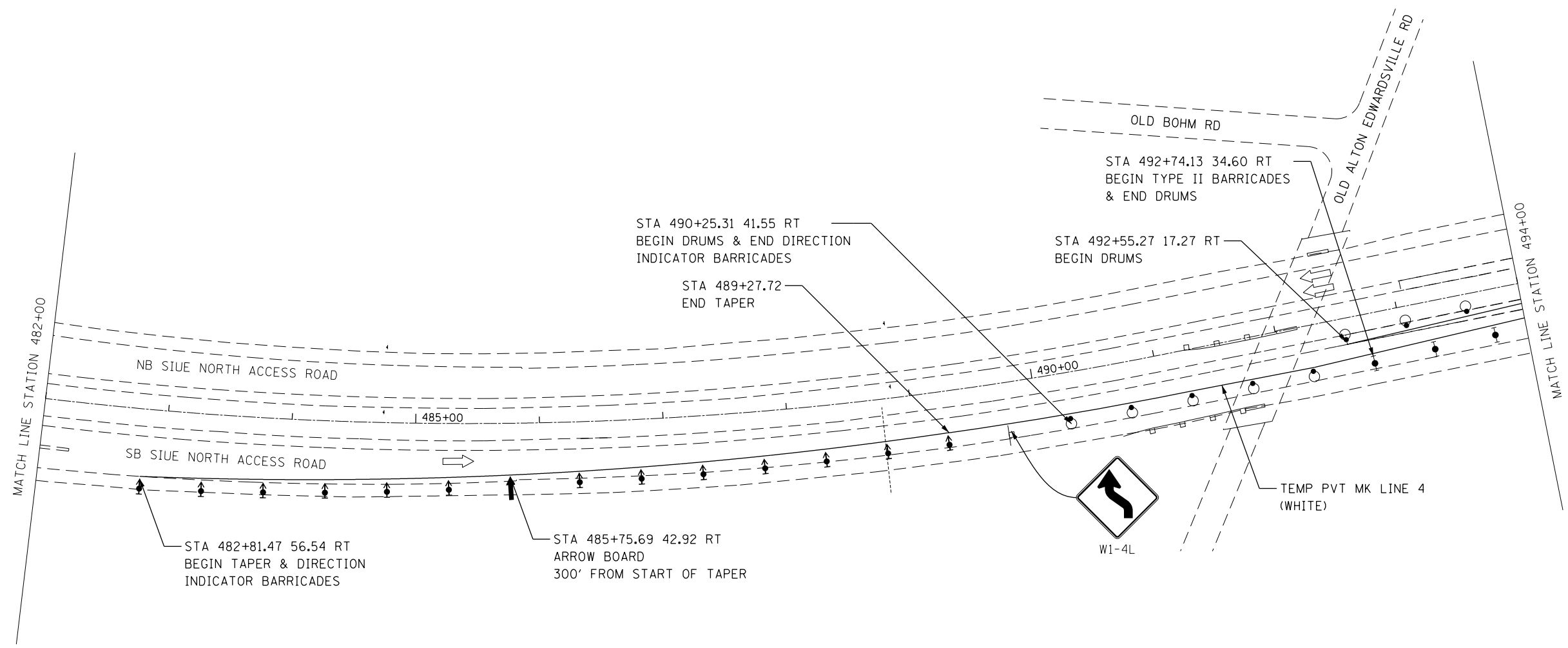
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	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2**

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. 472+00 TO STA. 482+00

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 37
				CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT				



GENERAL NOTES










ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

-  ARROW BOARD
-  WORK AREA
-  SIGN
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
-  VERTICAL PANEL
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER

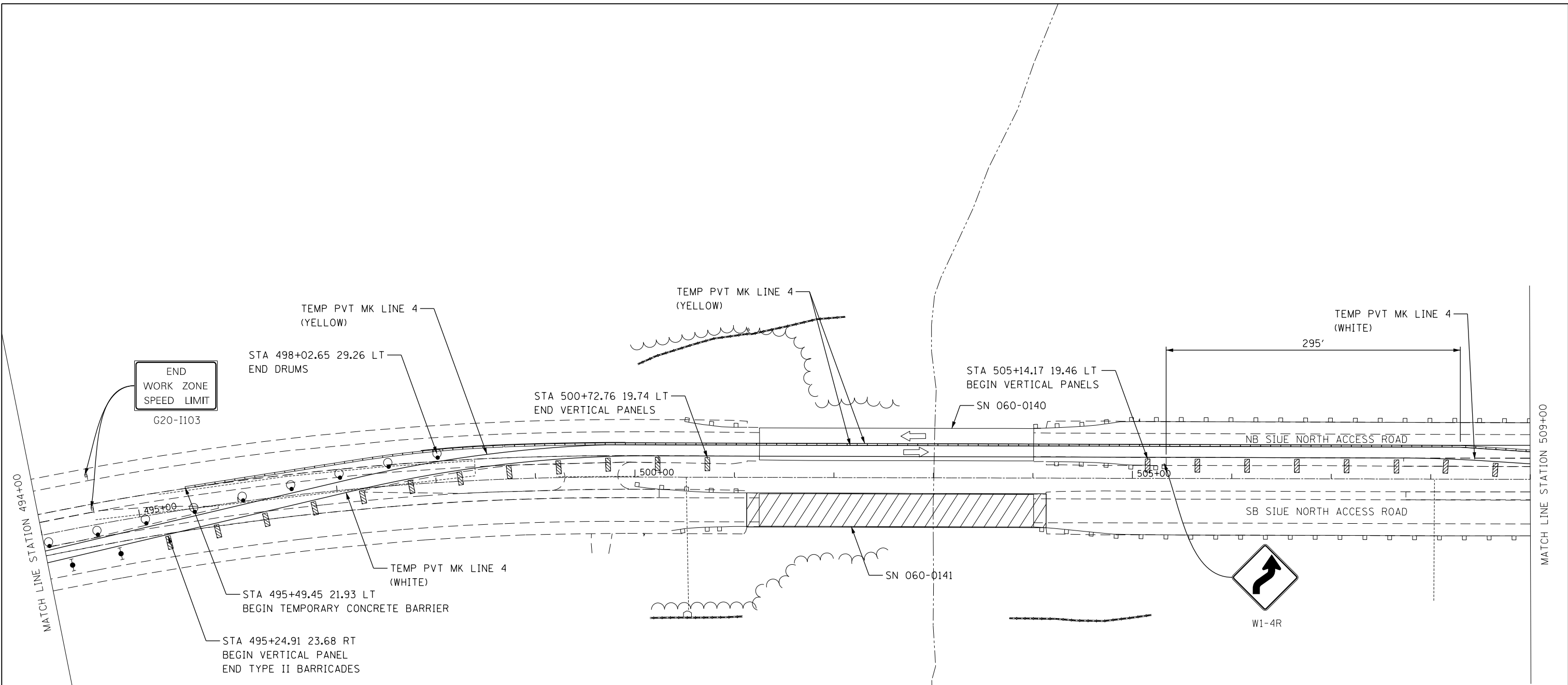


USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2**
SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 482+00 TO STA. 494+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	38
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



END
WORK ZONE
SPEED LIMIT
G20-1103

TEMP PVT MK LINE 4
(YELLOW)

STA 498+02.65 29.26 LT
END DRUMS

STA 500+72.76 19.74 LT
END VERTICAL PANELS

STA 505+14.17 19.46 LT
BEGIN VERTICAL PANELS
SN 060-0140

TEMP PVT MK LINE 4
(WHITE)

295'

W1-4R

GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

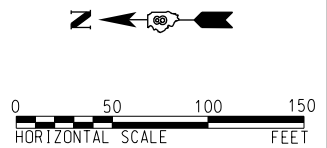
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



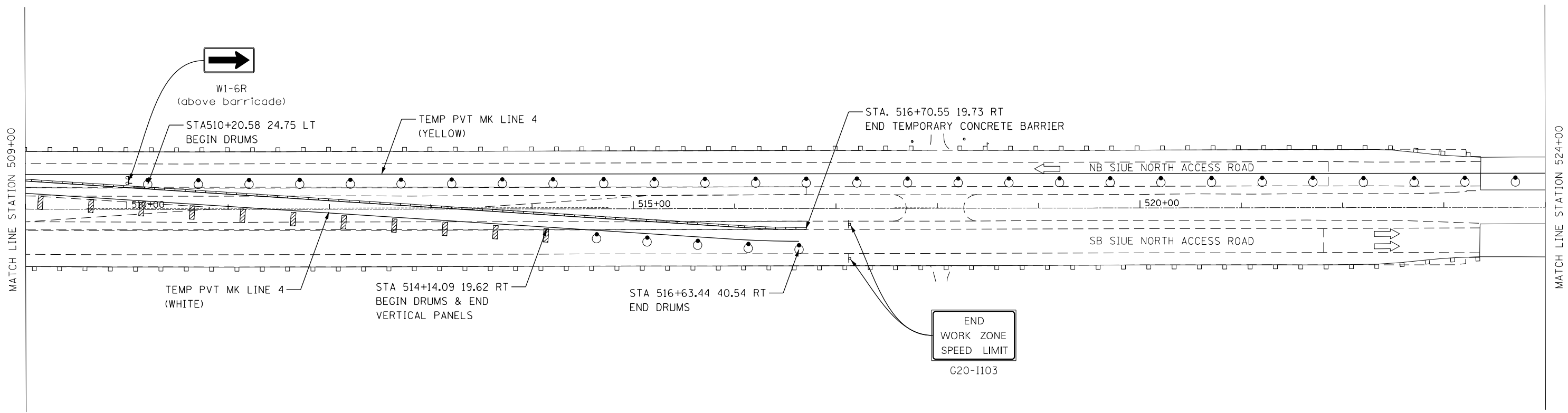
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		DRAWN - ZMH	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
	PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2**

SCALE: 1"=50' SHEET 4 OF 7 SHEETS STA. 494+00 TO STA. 509+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	39
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

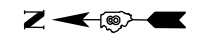
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



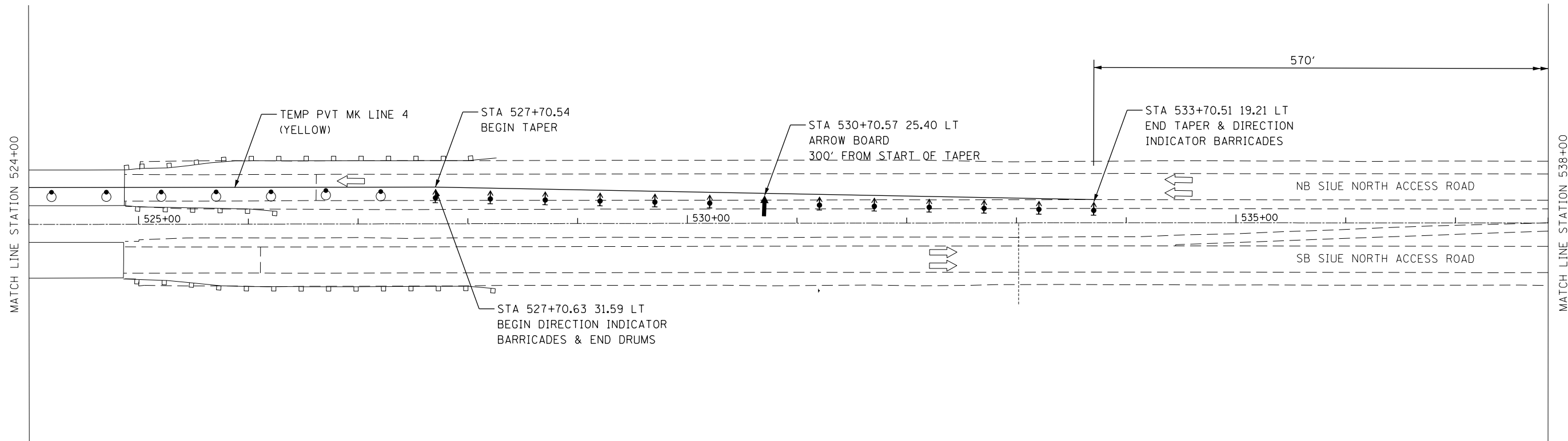
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PLOT SCALE = 100.0000' / 1in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIEU NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2**

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 509+00 TO STA. 524+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	40
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER

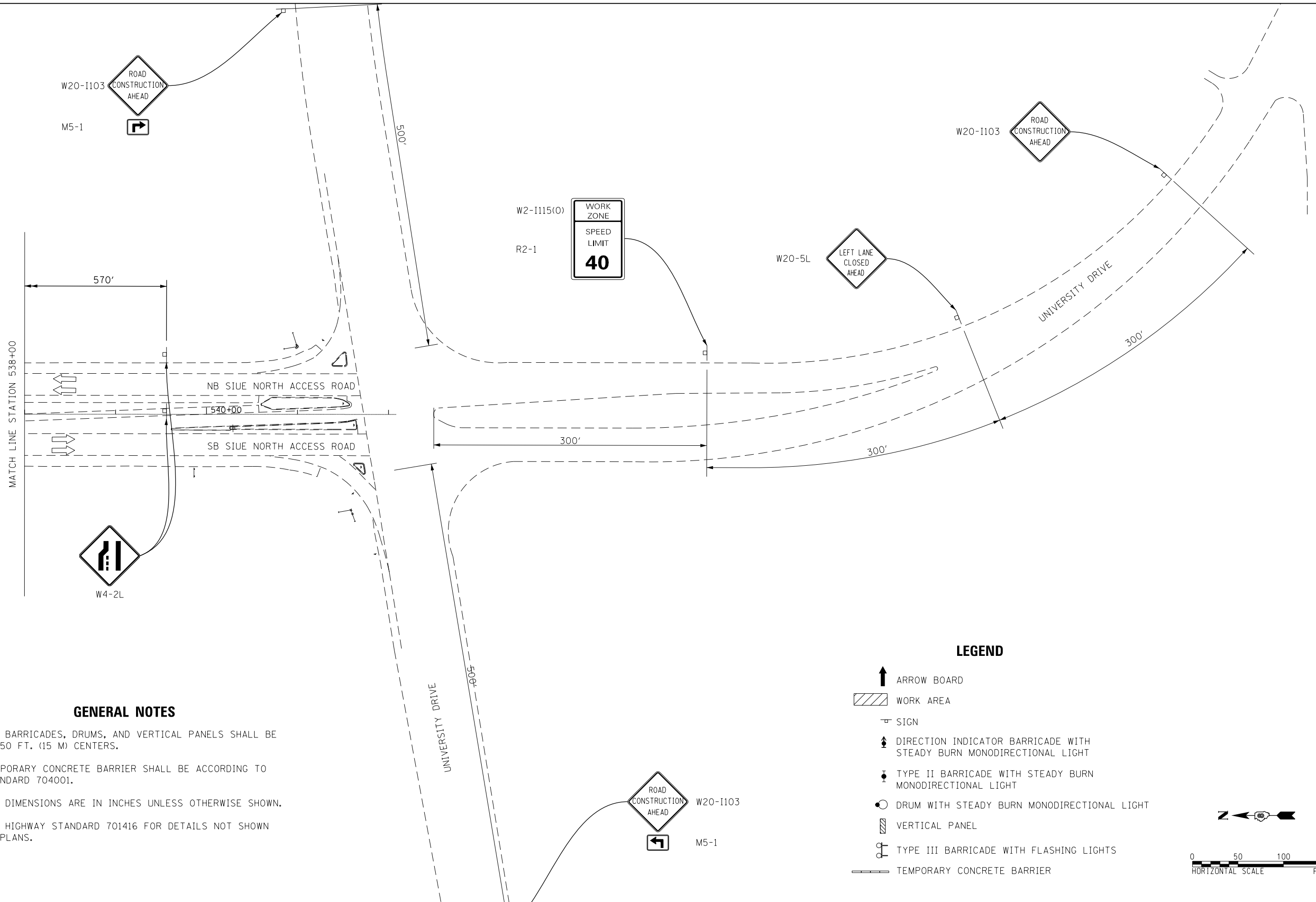


USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2**
SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 524+00 TO STA. 538+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76481	



GENERAL NOTES

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT. (15 M) CENTERS.

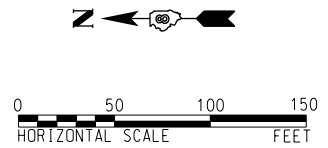
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701416 FOR DETAILS NOT SHOWN ON PLANS.

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



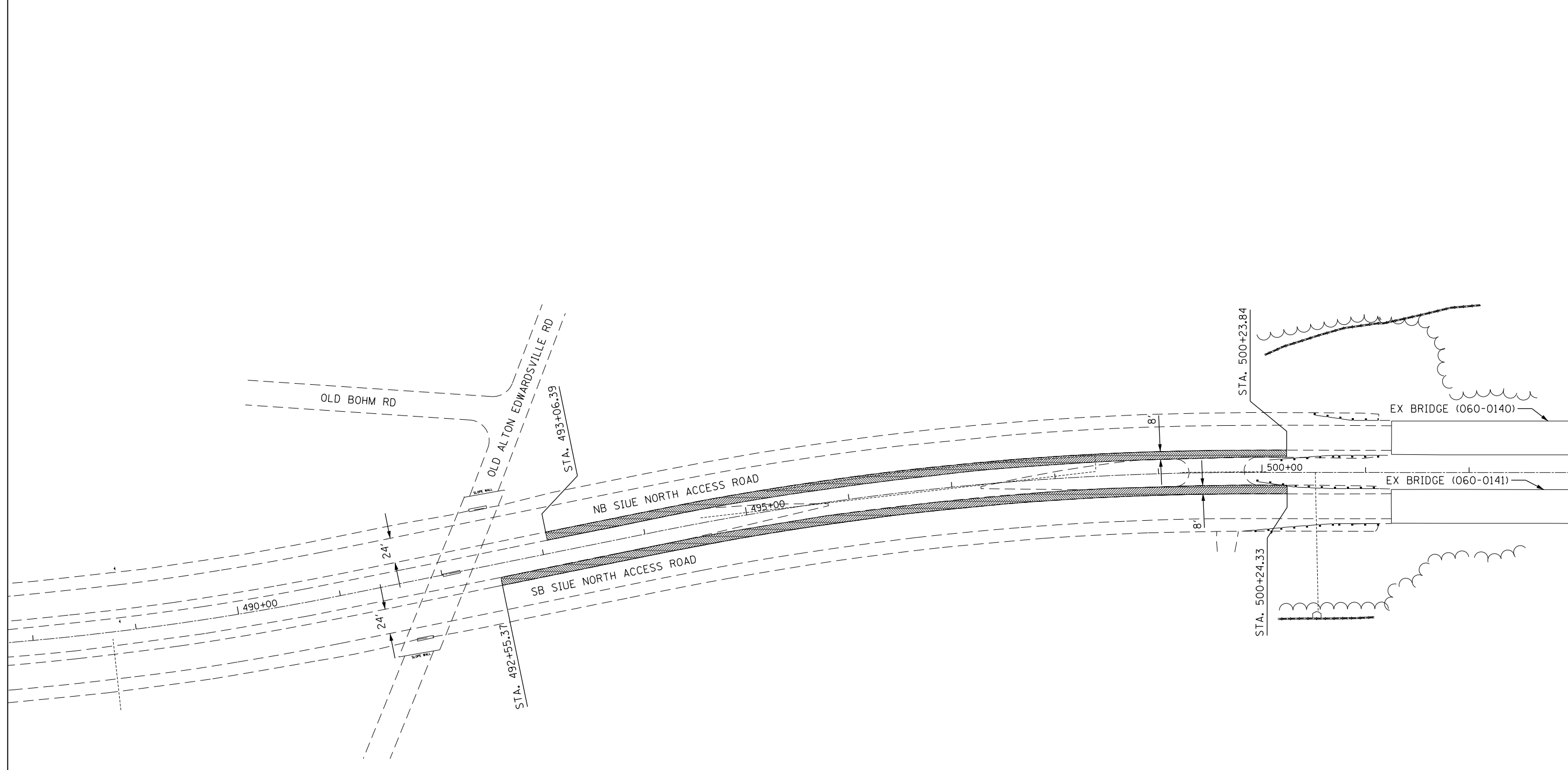
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	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2**

SCALE: 1"=50' SHEET 7 OF 7 SHEETS STA. 538+00 TO STA. -----

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 42
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

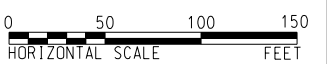
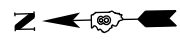


GENERAL NOTES

NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE SHIFTED BACK TO RESPECTIVE LANES

LEGEND

▨ LIMITS OF HOT-MIX ASPHALT SHOULDERS, 8"



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

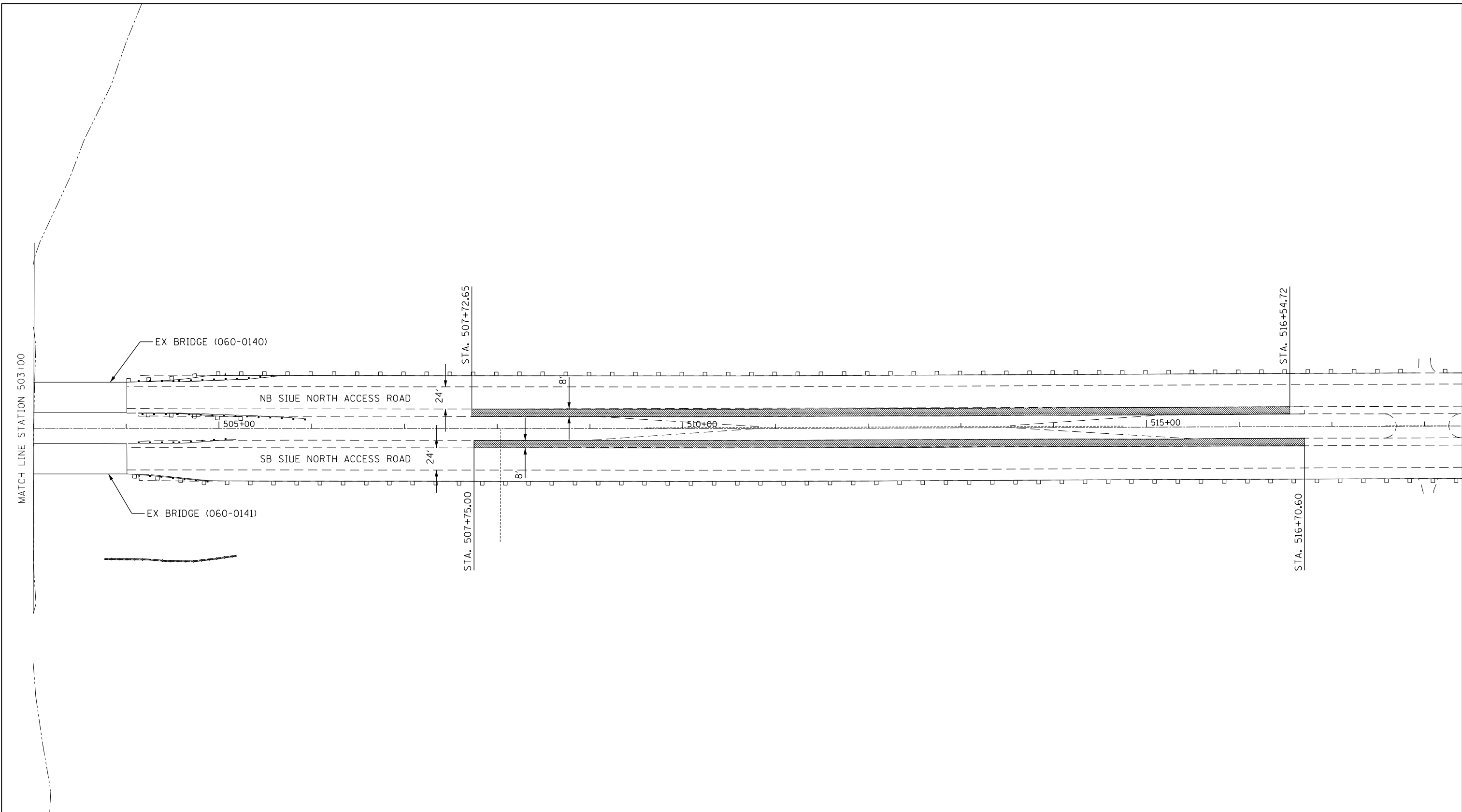
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 3**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 488+00 TO STA. 503+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	43
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

MATCH LINE STATION 503+00

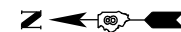


GENERAL NOTES

NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE SHIFTED
BACK TO RESPECTIVE LANES

LEGEND

LIMITS OF HOT-MIX ASPHALT SHOULDERS, 8"



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

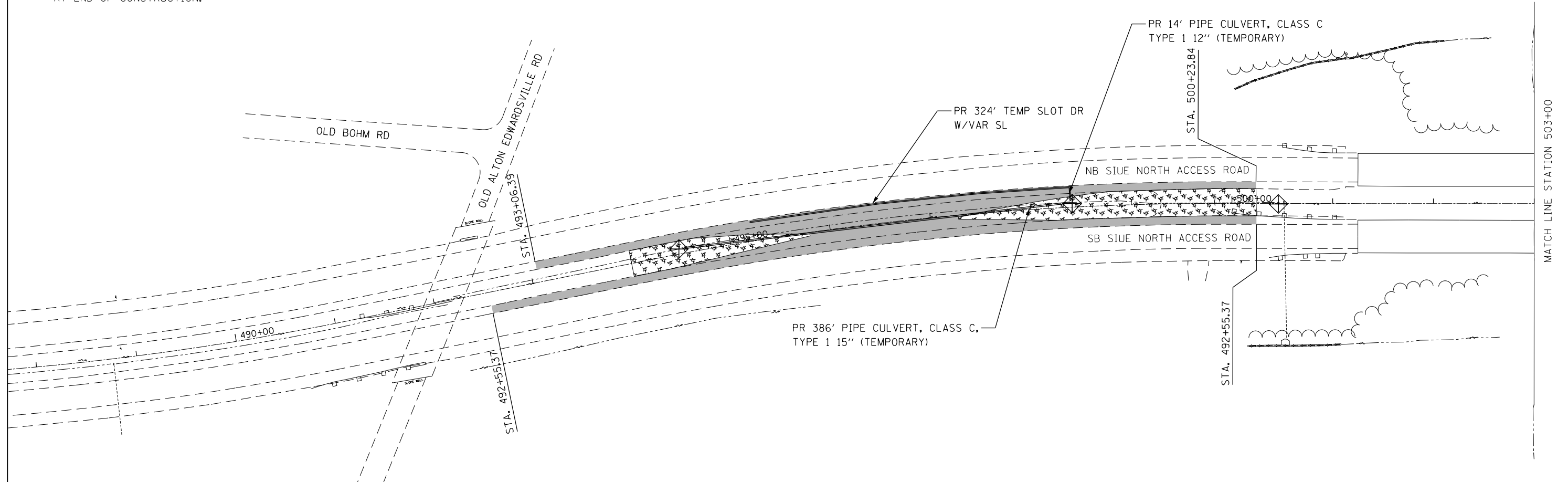
**SIUE NORTH ACCESS ROAD
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 3**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 503+00 TO STA. 518+00




F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	44
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

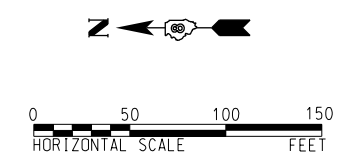
EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
2. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE FOAM/GEOTEXTILE (SILT WEDGES), EARTH MEDIAN AND/OR OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.
3. TEMPORARY DITCH CHECK, GEOTEXTILES, ROLLED EXCELSIOR, SILT WEDGES, AND PANELS SHALL BE LOCATED AT EVERY 1.5FT FALL/RISE IN DITCH GRADE.
4. TEMPORARY DITCH CHECKS, AGGREGATE USES GRADING NO. 3 SHALL BE REMOVED AT END OF CONSTRUCTION.
5. TEMPORARY SEEDING SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE PAID FOR AS "TEMPORARY EROSION SEEDING" AND NO OTHER PAYMENT WILL BE PERMITTED. FOR CALCULATION PURPOSES, TWELVE APPLICATIONS OF TEMPORARY SEEDING WERE ASSUMED.
6. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTORS EXPENSE.
7. CLASS 2 SEEDING AND EROSION CONTROL BLANKET IS TO BE PLACED AS SOON AS EARTHWORK IS COMPLETED.
8. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPE STEEPER THEN 1 TO 3.
9. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
10. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.



EROSION CONTROL KEY

-  INLET AND PIPE PROTECTION
-  TEMPORARY EROSION CONTROL SEEDING & TEMPORARY EROSION CONTROL MULCH, METHOD 2
-  TEMPORARY PAVEMENT FOR CROSSOVER



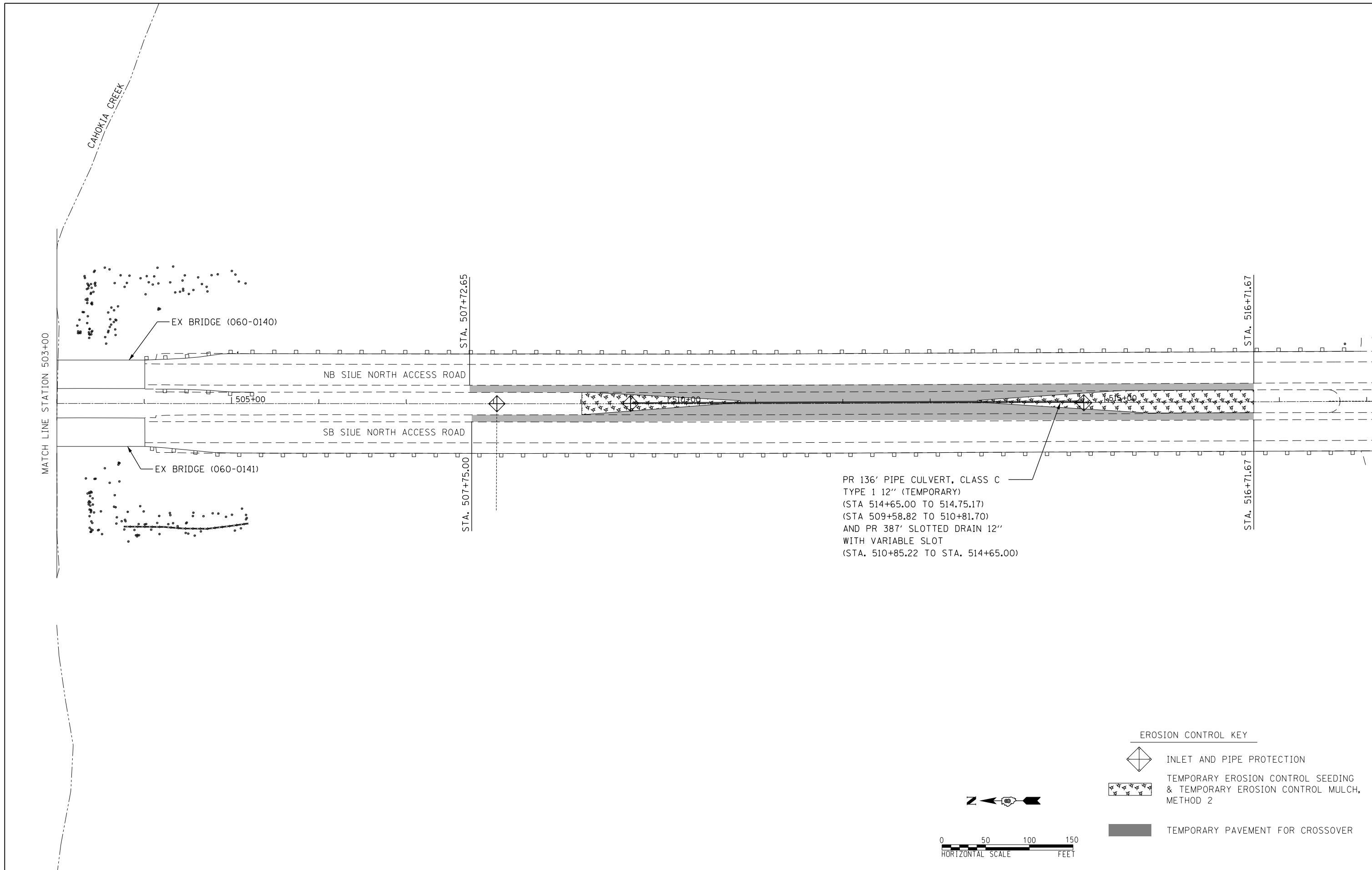
USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / 1\"/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
EROSION AND SEDIMENT CONTROL PLAN - PRESTAGE**


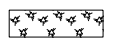

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 494+00 TO STA. 503+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	45
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



PR 136' PIPE CULVERT, CLASS C
 TYPE 1 12" (TEMPORARY)
 (STA 514+65.00 TO 514.75.17)
 (STA 509+58.82 TO 510+81.70)
 AND PR 387' SLOTTED DRAIN 12"
 WITH VARIABLE SLOT
 (STA. 510+85.22 TO STA. 514+65.00)

EROSION CONTROL KEY

-  INLET AND PIPE PROTECTION
-  TEMPORARY EROSION CONTROL SEEDING & TEMPORARY EROSION CONTROL MULCH, METHOD 2
-  TEMPORARY PAVEMENT FOR CROSSOVER



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIUE NORTH ACCESS ROAD
 EROSION AND SEDIMENT CONTROL PLAN - PRESTAGE

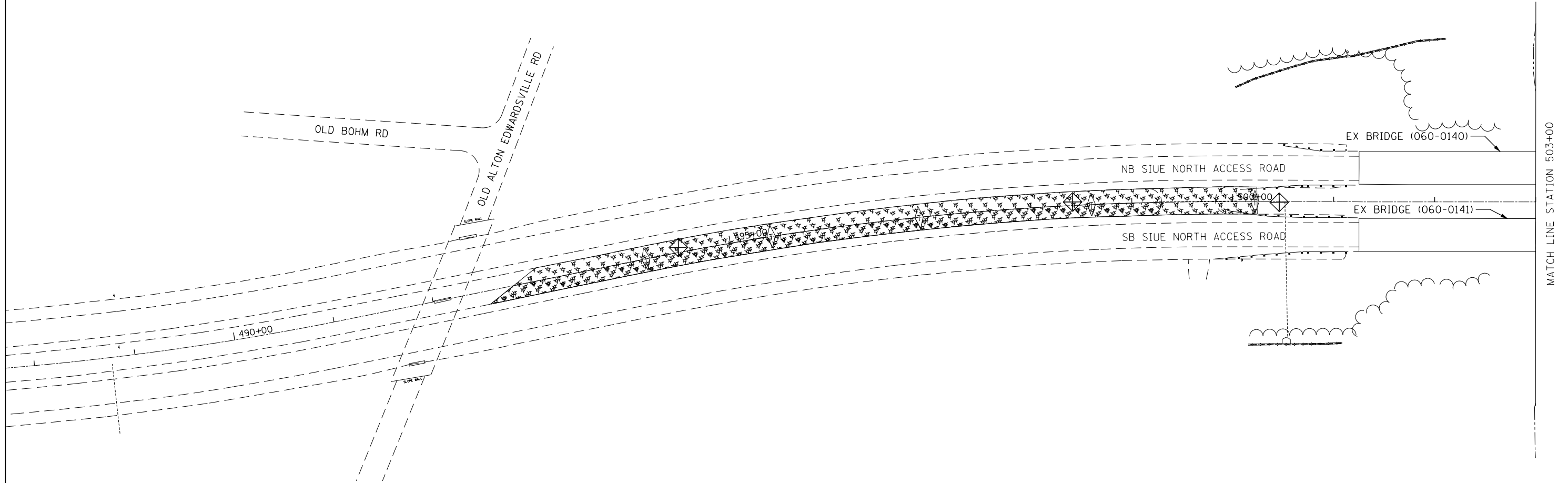
SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 503+00 TO STA. 524+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	46
CONTRACT NO. 76481				

ILLINOIS FED. AID PROJECT

EROSION AND SEDIMENT CONTROL NOTES

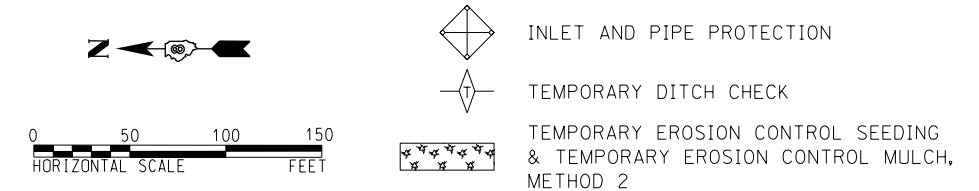
1. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
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10. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.



GENERAL NOTES

1. REGRADE MEDIAN DITCHES AND APPLY FINAL SEEDING AND MULCH IN THE TEMPORARY CROSSOVERS
2. REMOVE CROSSOVERS

EROSION CONTROL KEY



TranSystems	USER NAME = znhuggins	DESIGNED - JLM	REVISED -
		DRAWN - ZMH	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED - RJM	REVISED -
	PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

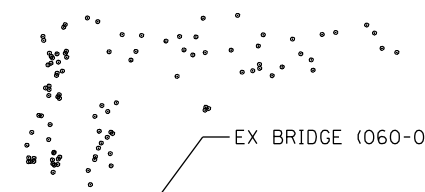
**SIUE NORTH ACCESS ROAD
EROSION AND SEDIMENT CONTROL PLAN - STAGE 3**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 488+00 TO STA. 503+00

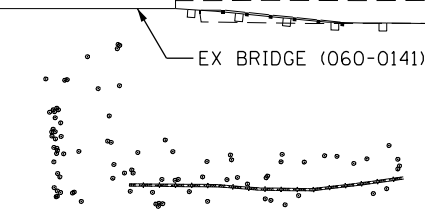
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	47
				CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT				

CAHOKIA CREEK

MATCH LINE STATION 503+00



EX BRIDGE (060-0140)



EX BRIDGE (060-0141)

NB SIUE NORTH ACCESS ROAD

SB SIUE NORTH ACCESS ROAD

505+00



GENERAL NOTES

1. REGRADE MEDIAN DITCHES AND APPLY FINAL SEEDING AND MULCH IN THE TEMPORARY CROSSOVERS
2. REMOVE CROSSOVERS

EROSION CONTROL KEY



INLET AND PIPE PROTECTION



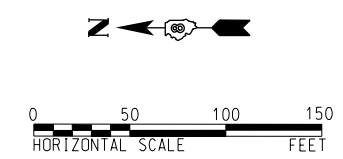
TEMPORARY DITCH CHECK



TEMPORARY EROSION CONTROL SEEDING & TEMPORARY EROSION CONTROL MULCH, METHOD 2



EROSION CONTROL BLANKET



USER NAME = ajmckim-louder	DESIGNED - JLM	REVISED -
	DRAWN - ZMH	REVISED -
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PLOT DATE = 5/3/2016	DATE - 5/3/2016	REVISED -

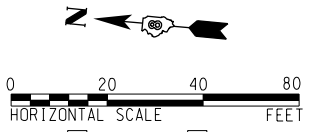
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
EROSION AND SEDIMENT CONTROL PLAN - STAGE 3**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 503+00 TO STA. 518+00

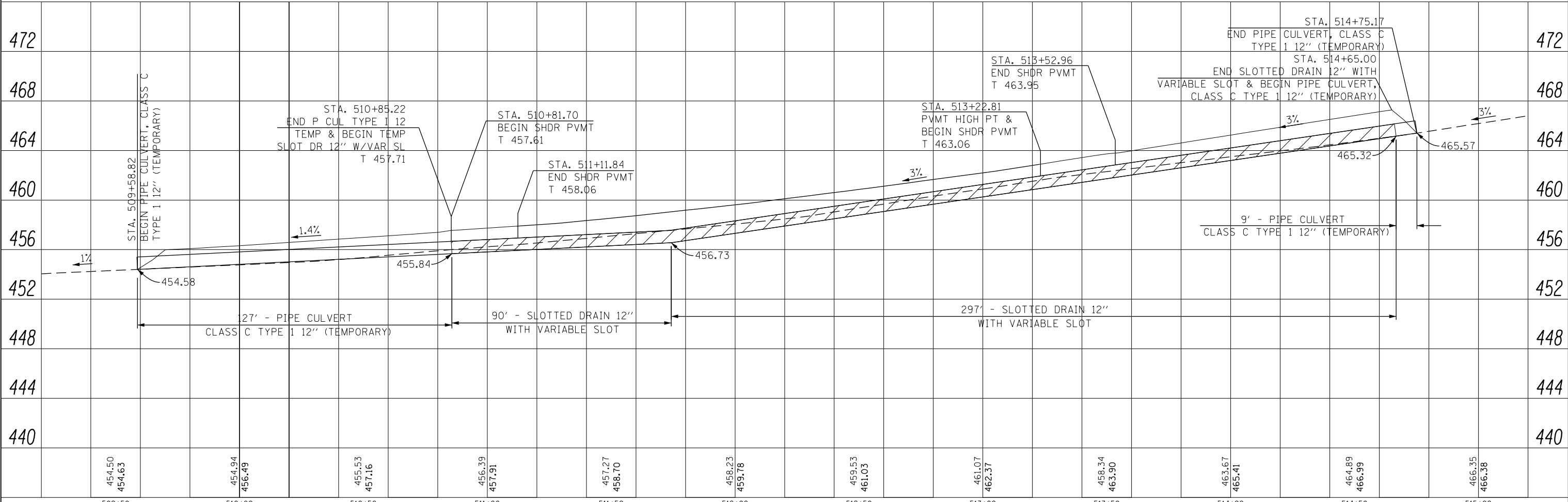
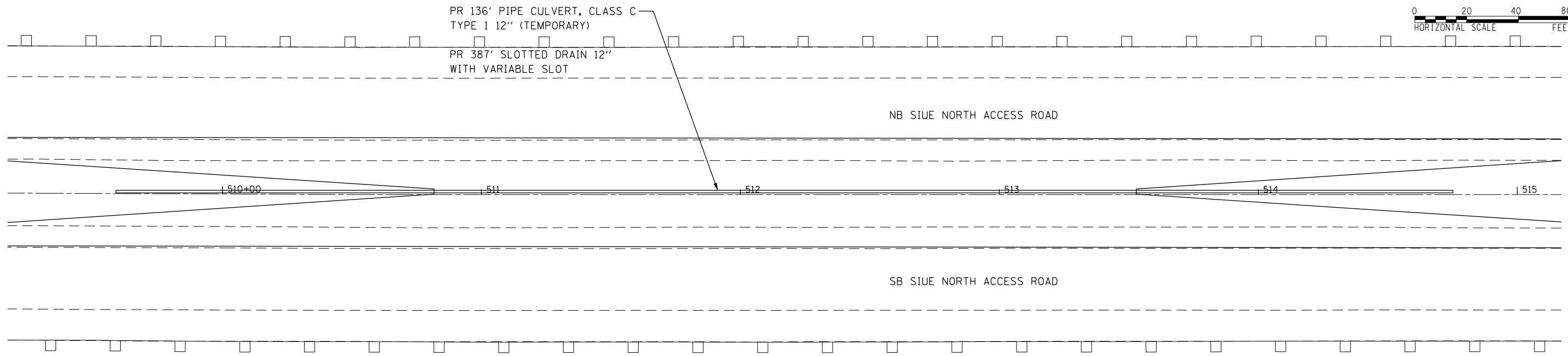
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	48
				CONTRACT NO. 76481

ILLINOIS FED. AID PROJECT



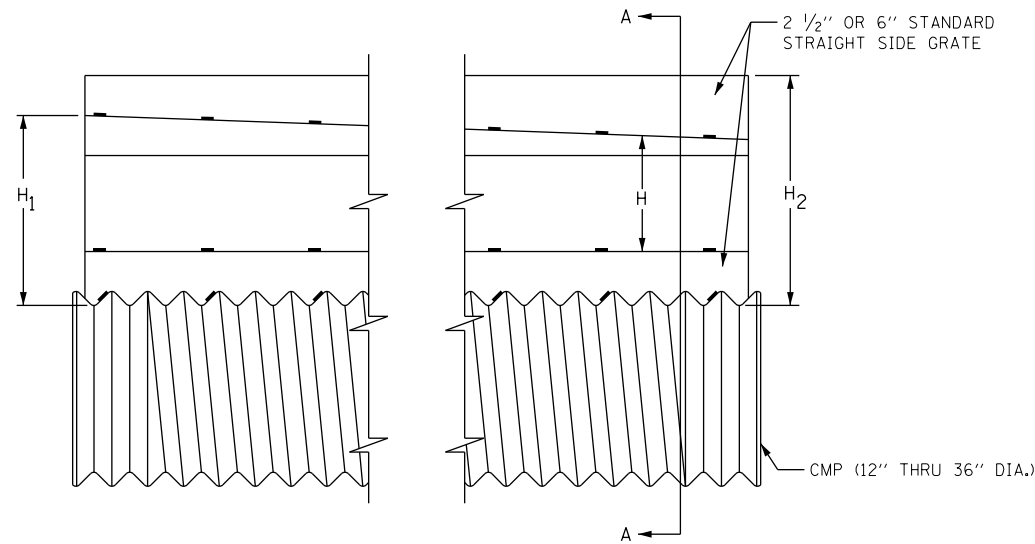
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NOTE BOOK	PLOTTED		
NO.	CHECKED		
	ALIGNMENT		
	STRUCTURE		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE		
	NOTATRS CHKD		

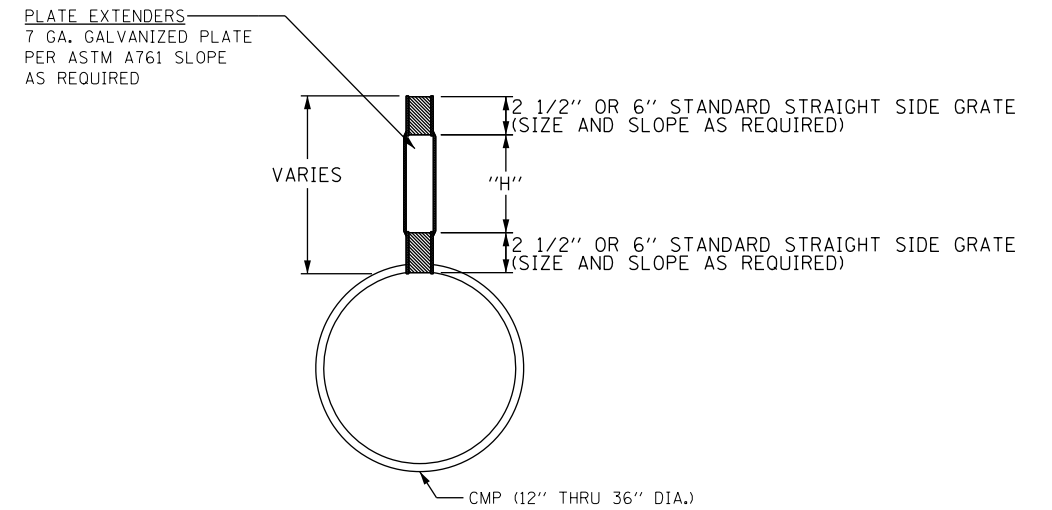


	USER NAME = zmhuggins	DESIGNED - JLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIUE NORTH ACCESS ROAD DRAINAGE PLAN AND PROFILE			F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 51	
	PLOT SCALE = 1"=20'	CHECKED - RJM	REVISED -		SCALE: 1"=20'	SHEET 3 OF 3 SHEETS	STA. 494+00 TO STA. 499+00	CONTRACT NO. 76481					
	PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -		ILLINOIS FED. AID PROJECT								

LOADING CONDITION	MAX. EXTENDER HEIGHT - "H"
H20/H25 • 750 PSI CONCRETE • 125 PSI TIRE PRESSURE	19"

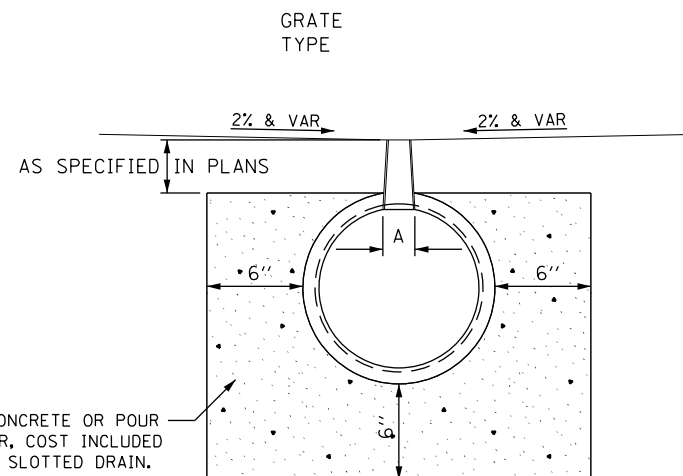


**SIDE VIEW
DETAIL WITH VARIABLE HEIGHT GRATE**



SECTION A-A

GRATE TYPE	"A"	
VERT	2-1/2"	1-3/4"
VERT	6"	1-3/4"
TRAP	2-1/2"	2-1/4"
TRAP	6"	3"



CLASS SI CONCRETE OR POUR WITH GUTTER, COST INCLUDED IN COST OF SLOTTED DRAIN.

SLOTTED DRAIN NOTES

1. GRATING IS AVAILABLE IN DEPTHS OF 2-1/2" AND 6".
2. VERTICAL GRATING (STRAIGHT SIDES) WITH VERTICAL SPACERS IS ALSO AVAILABLE.
3. FOR 6" VERTICAL & TRAPEZOIDAL REQUIREMENTS, THE SLOTTED DRAIN BAND MAY BE FURNISHED WITH THE 4" TECHCO BAND ANGLE.
4. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
5. DIMENSIONS FOR H₁ AND H₂ AS REQUIRED.
6. H₁ AND H₂ MEASURED FROM TOP OF GATE TO BOTTOM OF GRATE.



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - TAR	REVISED -
PLOT SCALE = 1" = 10'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
SLOTTED DRAIN DETAIL**

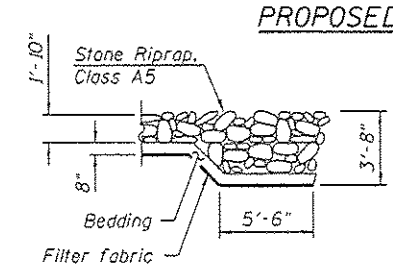
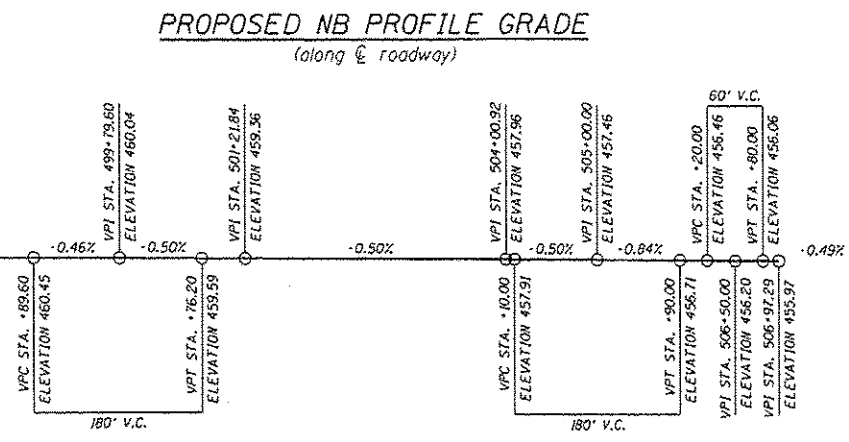
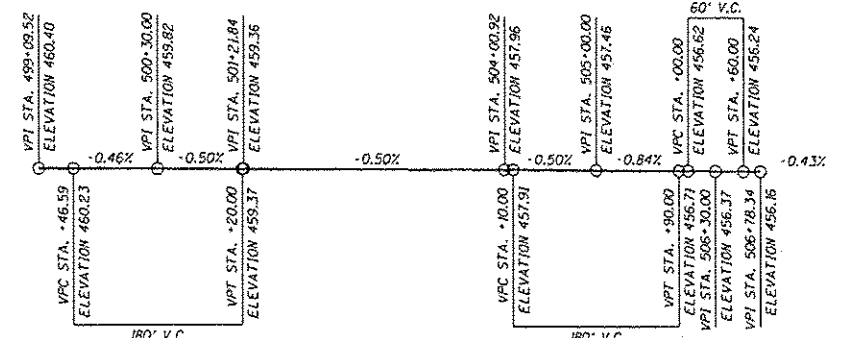
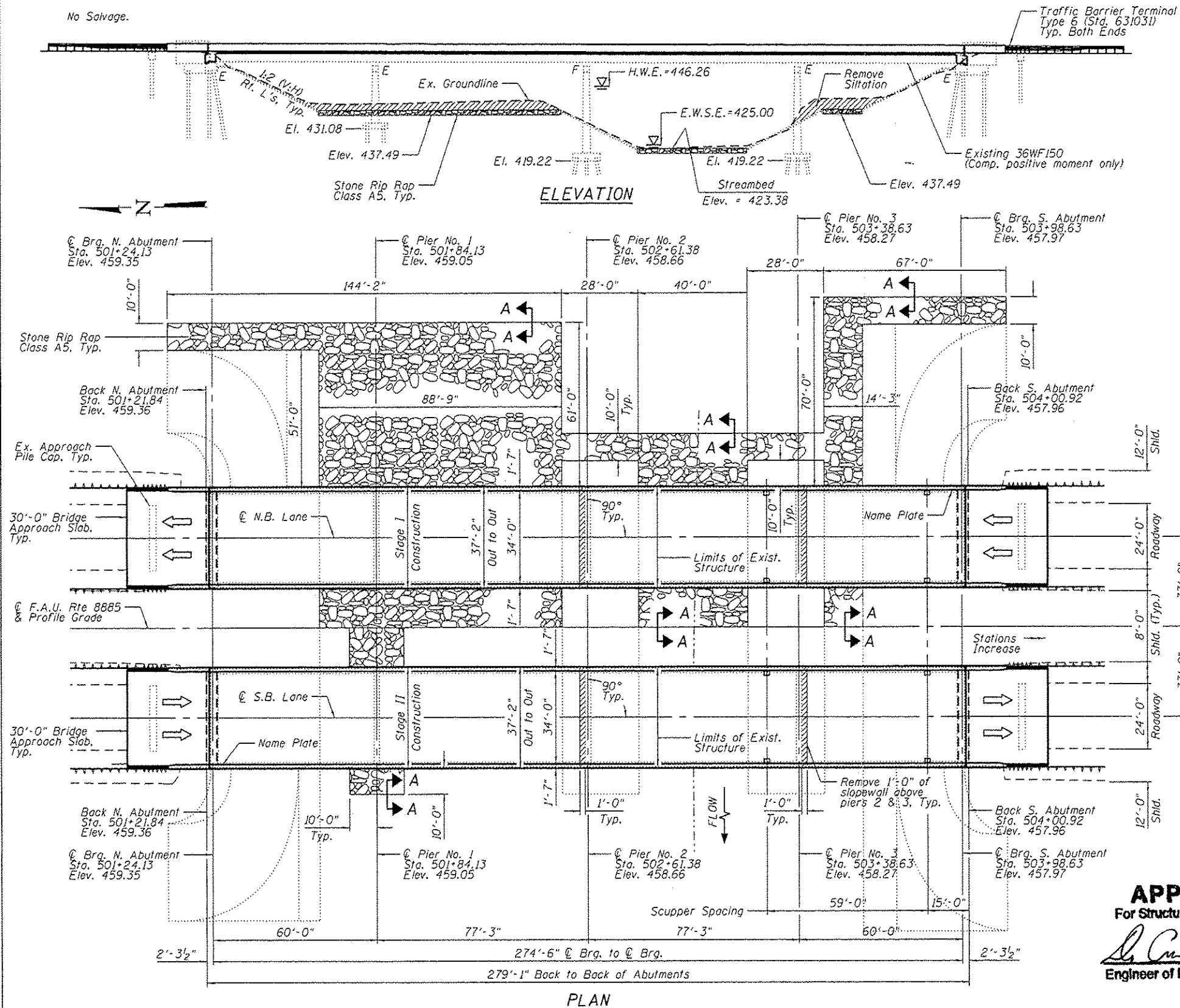
SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. ----- TO STA. -----

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	52
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

Bench Marks:
 BM SIUE-1: Cut \square on top of the Northwest corner of the Northwest wing wall of the Southbound SIU-E North entrance bridge (S.N. 060-0141) over Cahokia Creek. Elev. = 462.241.
 BM SIUE-2: Cut \square on top of the Northwest corner of the Southwest wing wall of the Northbound SIU-E North entrance bridge (S.N. 060-0140) over Cahokia Creek. Elev. = 460.834.

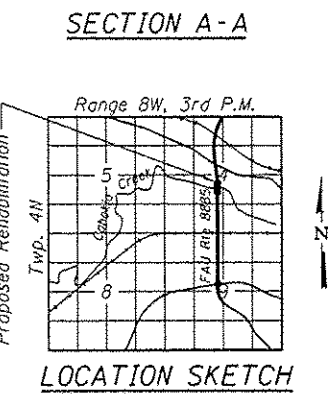
Existing Structures: S.N. 060-0140 (NB) and S.N. 060-0141 (SB) built in 1967 as F.A.S. Route 770, Section I-B at Station 502+61.38.
 Structures consist of 4 span reinforced concrete deck on steel WF beams supported on stub abutments supported by concrete piles and 3 reinforced concrete solid wall piers supported by pile footings with untreated timber piles. The superstructure length is 279'-1" back-to-back abutments and 36'-0" out-to-out of deck. Both structures were painted in 1994. Concrete deck to be removed and replaced using cross-overs.

No Salvage.



LOADING HS20-44 (NEW CONST.)
 Allow 25#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS (NEW CONST.)
 2002 AASHTO Bridge Design Specifications
 1995 FHWA Seismic Retrofitting Manual for Highway Bridges



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)
 $f'_c = 3,500$ psi
 $f_y = 40,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (Structural Steel)

SEISMIC DATA
 Seismic Performance Category (SPC) = B
 Horizontal Bedrock Acceleration Coefficient (A) = 0.097g
 Site Coefficient (S) = 2.0

APPROVED
 For Structural Adequacy Only

Francis A. Smith Jr.
 Engineer of Bridges & Structures

FRANCIS A. SMITH JR.
 081-005860
 LICENSED
 STRUCTURAL
 ENGINEER
 OF
 ILLINOIS

Francis A. Smith Jr.
 FRANCIS A. SMITH JR., P.E., S.E.
 NO. 081-005860
 EXP. DATE 11/30/2016

GENERAL PLAN & ELEVATION
SIUE NORTH ACCESS ROAD
OVER CAHOKIA CREEK
F.A.U. ROUTE 8885 - SEC. 1BR
MADISON COUNTY
STATION 502+61.38
STRUCTURE NO. 060-0140 (N.B.)
STRUCTURE NO. 060-0141 (S.B.)

TranSystems	USER NAME * mjrekar	DESIGNED - SDY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET NO. 01 OF 20 SHEETS										
	PLOT DATE * 4/25/2016	CHECKED - DJG	REVISED -												
	PLOT TIME * 9:59:28 AM	DRAWN - MJR	REVISED -												
		CHECKED - SDY	REVISED -												
<table border="1"> <tr> <td>F.A.U. RTE. 8885</td> <td>SECTION 1BR</td> <td>COUNTY MADISON</td> <td>TOTAL SHEETS 86</td> <td>SHEET NO. 53</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">CONTRACT NO. 76481</td> </tr> </table>						F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 53				CONTRACT NO. 76481	
F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 53											
			CONTRACT NO. 76481												

GENERAL NOTES

No field welding is permitted except as specified in the contract documents. Reinforcement bars designated (E) shall be epoxy coated. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after the removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

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 based upon the unit price bid for the work.

Fasteners shall be ASTM A325 Type I, mechanically galvanized bolts. Bolts 3/4" φ, holes 13/16" φ, unless otherwise noted.

Cleaning and painting of the existing structural steel shall be specified in the special provisions for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All new and existing steel shall be painted according to the requirements of Paint System I - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Gray, Munsell No. 5B 7/1.

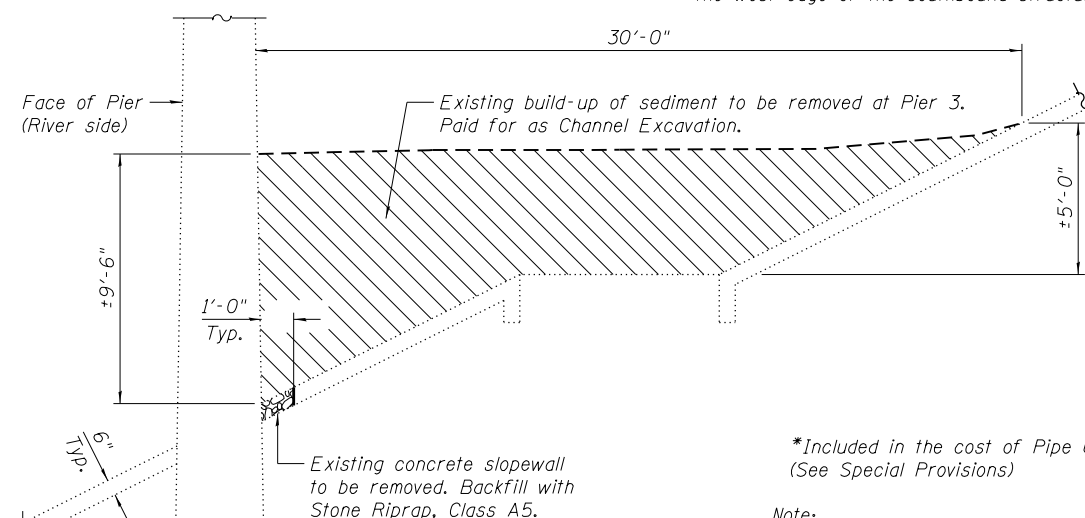
If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M300, Type I.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Calculated weight of structural steel = 9,310 lbs.

Note:
Width of sediment removal shall extend from the east edge of the northbound structure to the west edge of the southbound structure.



SLOPEWALL REMOVAL DETAIL

Piers 2 & 3 - Slopewall Removal
Pier 3 - Sediment Removal

SCOPE OF WORK

1. Repair existing bridge deck on south bound bridge (Stage I only).
2. Apply asphalt overlay to south bound bridge (Stage I only).
- ** 3. Remove existing concrete deck.
4. Clean and paint existing structural steel.
5. Repair steel beam ends as necessary.
6. Reconfigure existing abutments to semi-integral configuration.
7. Remove and replace bearings at abutments.
8. Clean, paint and reuse fixed and expansion bearings at the piers.
9. Remove existing abutment diaphragms and replace with new diaphragms.
10. Make new deck composite in positive moment regions.
- ** 11. Remove 1'-0" of slopewall above piers 2 & 3 and remove accumulated silt at pier 3 at both structures.

** Contractor shall measure the tilt of Pier 3 and rotation of Pier 3 bearings before and after deck removal and sediment removal. If bearings continue to rotate out of plumb up to an additional 1/2", contact the bridge office.

STATION 502+61.38
REBUILT 2016 BY
STATE OF ILLINOIS
F.A.U. RTE. 8885 - SECTION 1BR
LOADING HS20-44
STRUCTURE NO. 060-0140 (N.B.)

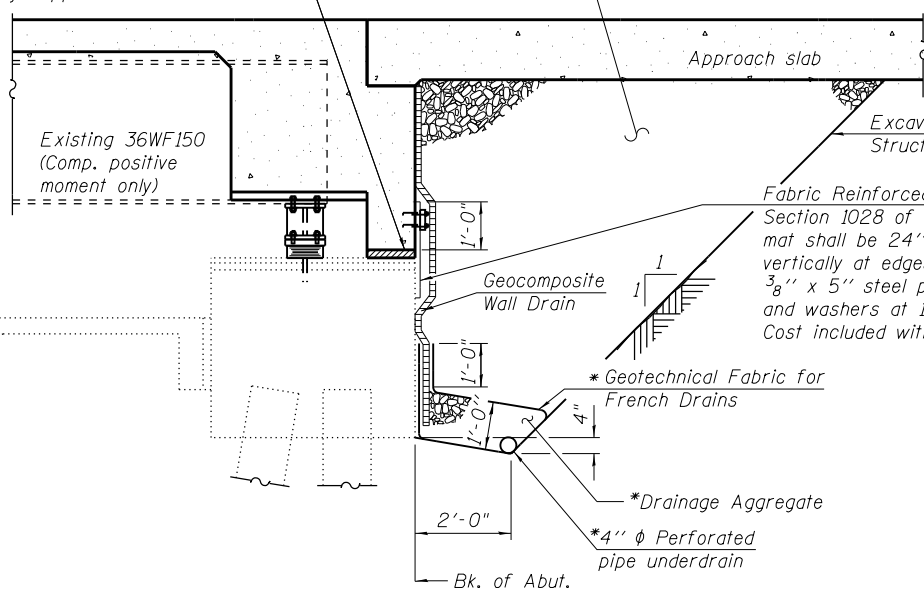
STATION 502+61.38
REBUILT 2016 BY
STATE OF ILLINOIS
F.A.U. RTE. 8885 - SECTION 1BR
LOADING HS20-44
STRUCTURE NO. 060-0141 (S.B.)

NAME PLATE

See Std. 515001

Note:
The existing Name Plate is to be cleaned and relocated next to new Name Plate. Cost is included with Name Plates.

2" PJF (per Article 1051.09 of the Standard Specifications) full width and vertically at edges bonded to abutment cap with suitable adhesive as recommended by supplier.



SECTION THRU SEMI-INTEGRAL ABUTMENT

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

Note:
All drainage system components shall extend to 2'-0" from the back of the abutment until they go under the 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 60110).

INDEX OF SHEETS

1. General Plan & Elevation
2. General Data
3. Stage Construction Details
4. Temporary Concrete Barrier
5. Top of Slab Elevation Location Plan
- 6.-7. Top of Slab Elevations
8. Top of North Approach Slab Elevations
9. Top of South Approach Slab Elevations
10. Superstructure
11. Superstructure Details
12. Diaphragm Details
- 13.-14. Bridge Approach Slab Details
15. Drainage Scupper, DS-II
16. Concrete Parapet Slipforming Option
17. Framing Plan & Details
18. Structural Steel Details
19. Bearing Details
20. Abutment Removal Details

TOTAL BILL OF MATERIAL (2 BRIDGES)

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		1924	1924
Filter Fabric	Sq. Yd.		1924	1924
Concrete Removal	Cu. Yd.		48.9	48.9
Slope Wall Removal	Sq. Yd.		18	18
Removal of Existing Concrete Deck No. 1	Each	1		1
Removal of Existing Concrete Deck No. 2	Each	1		1
Structure Excavation	Cu. Yd.		302	302
Concrete Structures	Cu. Yd.		44.4	44.4
Concrete Superstructure	Cu. Yd.	738.8		738.8
Bridge Deck Grooving	Sq. Yd.	2548		2548
Protective Coat	Sq. Yd.	3078		3078
Concrete Superstructure (Approach Slab)	Cu. Yd.	194		194
Furnishing and Erecting Structural Steel	Pound	9600		9600
Stud Shear Connectors	Each	10200		10200
Reinforcement Bars, Epoxy Coated	Pound	223780	7760	231540
Name Plates	Each	2		2
Elastomeric Bearing Assembly, Type I	Each	20		20
Anchor Bolts, 1"	Each	40		40
Geocomposite Wall Drain	Sq. Yd.		106	106
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 1	L. Sum	1		1
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 2	L. Sum	1		1
Granular Backfill for Structures	Cu. Yd.		216	216
Jack and Remove Existing Bearings	Each	20		20
Structural Steel Removal	Pound	5620		5620
Cleaning and Painting Steel Bridge No. 1	L. Sum	1		1
Cleaning and Painting Steel Bridge No. 2	L. Sum	1		1
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	80		80
Drainage Scuppers, DS-II	Each	8		8
Pipe Underdrains for Structures 4"	Foot		144	144

* Final quantity to be determined by Resident Engineer.

WATERWAY INFORMATION - S.N. 060-0140

Drainage Area = 217.24 Sq. Mi. Ex. Overtopping Elev. 455.53 @ Sta. 507+75.6

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.
	10	9,340	2,216	445.06	1.25	446.31
Design	50	12,521	2,489	446.26	1.71	447.97
Base	100	13,702	2,577	446.64	1.88	448.52
Overtopping						
Max. Calc.	500	17,746	2,928	448.14	2.23	450.37

WATERWAY INFORMATION - S.N. 060-0141

Drainage Area = 217.24 Sq. Mi. Ex. Overtopping Elev. 455.53 @ Sta. 507+75.6

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.
	10	9,340	2,126	445.00	1.25	446.25
Design	50	12,521	2,399	446.22	1.71	447.93
Base	100	13,702	2,485	446.60	1.88	448.48
Overtopping						
Max. Calc.	500	17,746	2,832	448.10	2.23	450.33

DESIGN SCOUR TABLE

Event/Limit State	Design Scour Elevations (ft.)					Item 113
	N. Abut.	Pier 1	Pier 2	Pier 3	S. Abut.	
Q100	450.68	423.41	417.41	417.91	449.31	5
Q200	450.68	423.41	417.41	417.91	449.31	
Design	450.68	423.41	417.41	417.91	449.31	



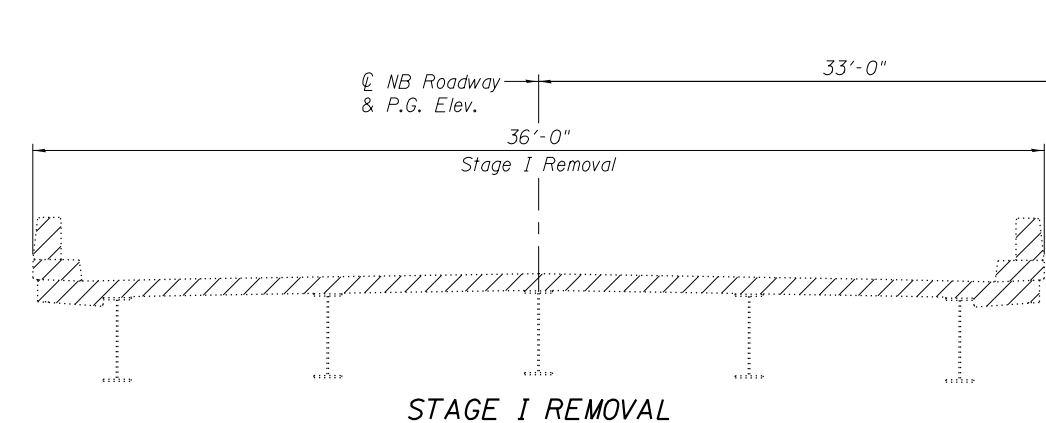
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	CHECKED - DJG	REVISD -
PLOT DATE = 4/25/2016	DRAWN - MJR	REVISD -
PLOT TIME = 9:59:53 AM	CHECKED - SDY	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

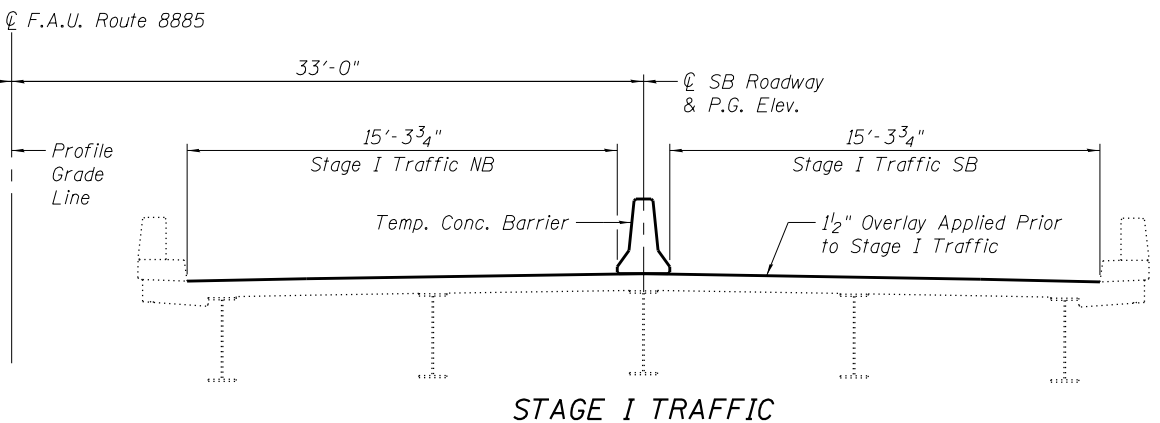
GENERAL DATA
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

SHEET NO. 02 OF 20 SHEETS

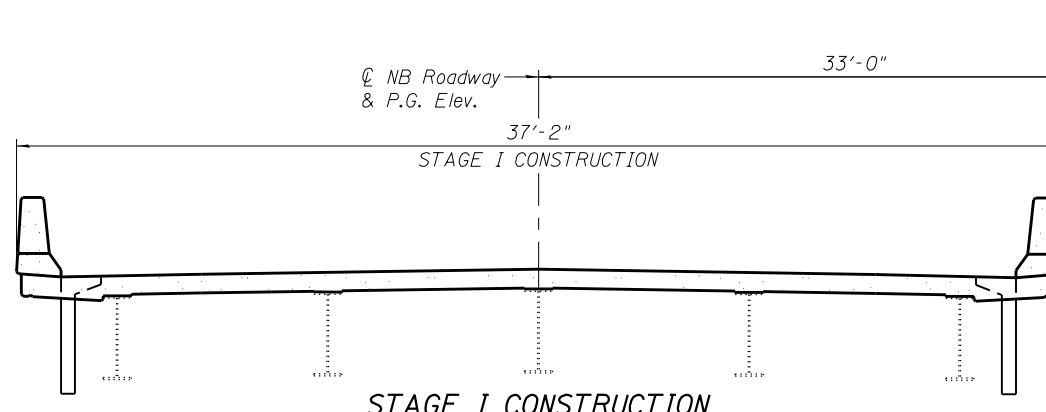
F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 54
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				



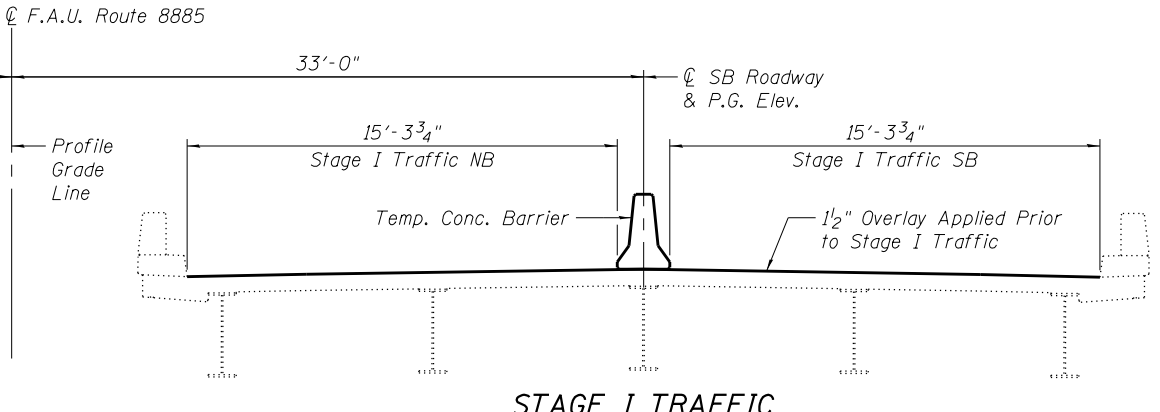
STAGE I REMOVAL



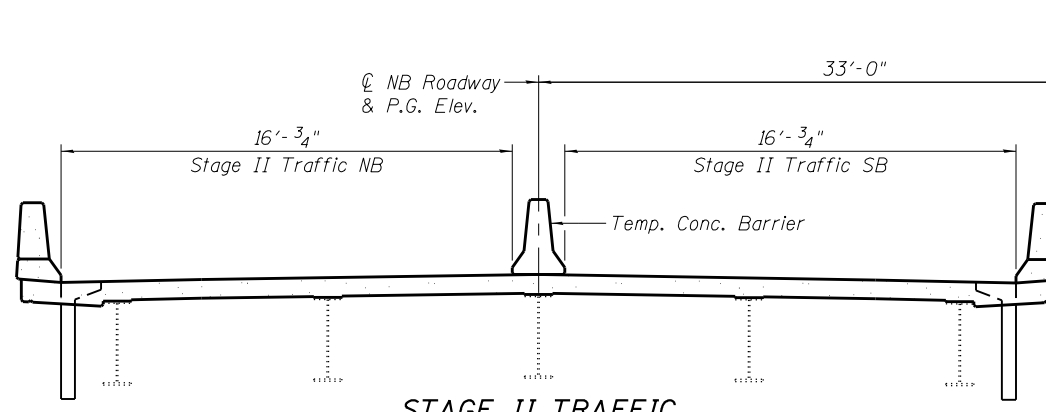
STAGE I TRAFFIC



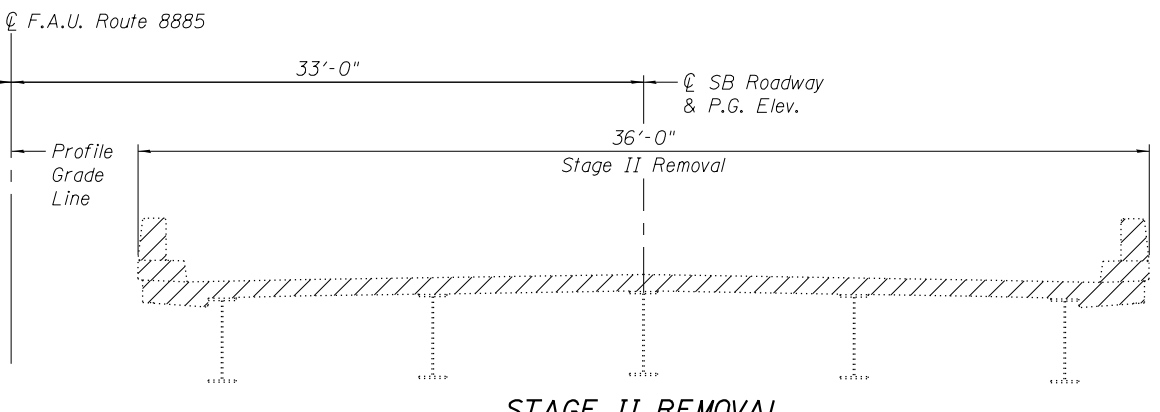
STAGE I CONSTRUCTION



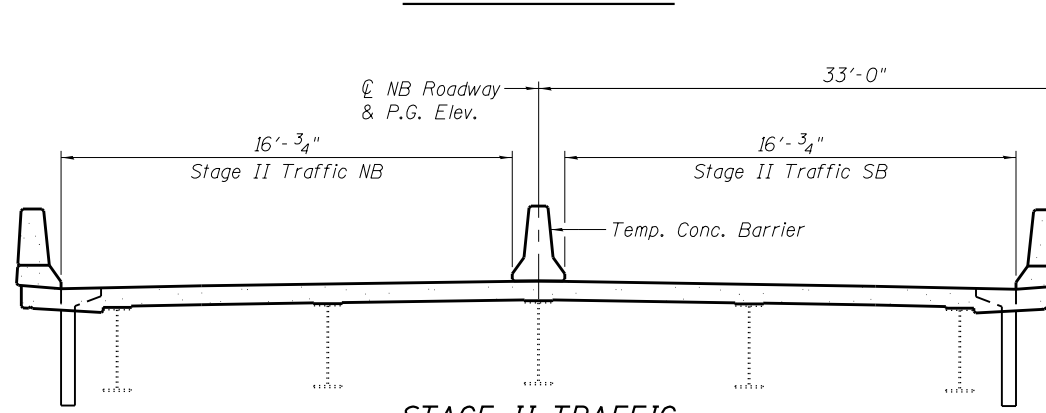
STAGE I TRAFFIC



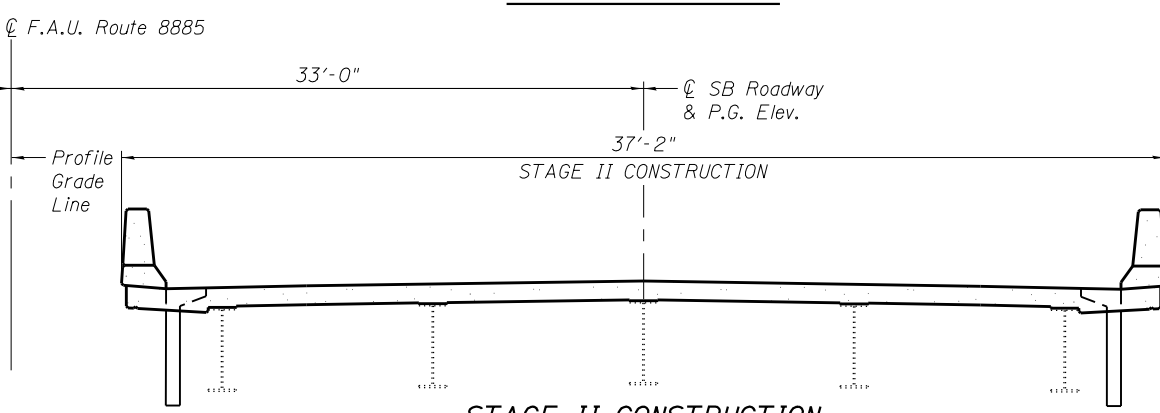
STAGE II TRAFFIC



STAGE II REMOVAL



STAGE II TRAFFIC



STAGE II CONSTRUCTION

Notes:
 All staging cross sections are looking South.
 For quantity of Temporary Concrete Barrier, see roadway plans.
 For details of Temporary Concrete Barrier, see Sheet 4 of 20.
 Hatched area indicates Removal of Concrete Deck.



USER NAME = mjraker	DESIGNED - SDY	REVISED -
PLOT DATE = 4/25/2016	CHECKED - DJG	REVISED -
PLOT TIME = 10:00:11 AM	DRAWN - MJR	REVISED -
	CHECKED - SDY	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

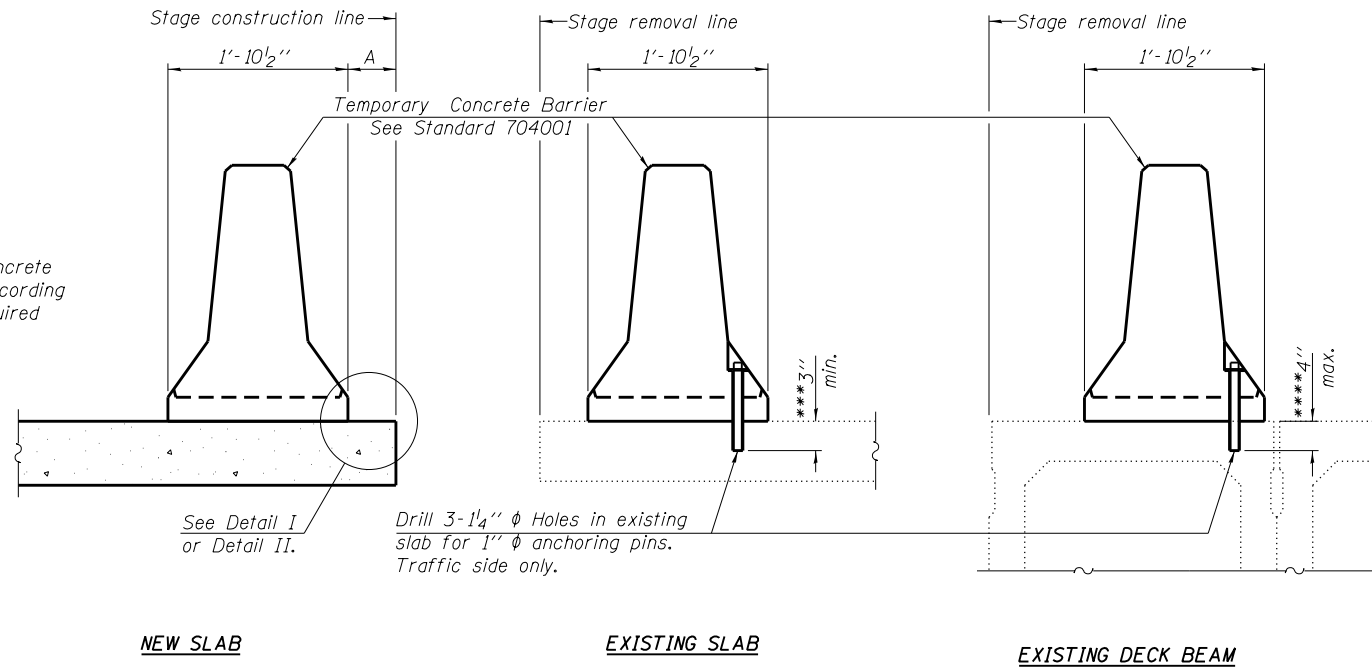
**STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

SHEET NO. 03 OF 20 SHEETS

F.A.U. RTE. 8885	SECTION IBR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 55
			CONTRACT NO. 76481	

ILLINOIS FED. AID PROJECT

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



SECTIONS THRU SLAB OR DECK BEAM

NOTES

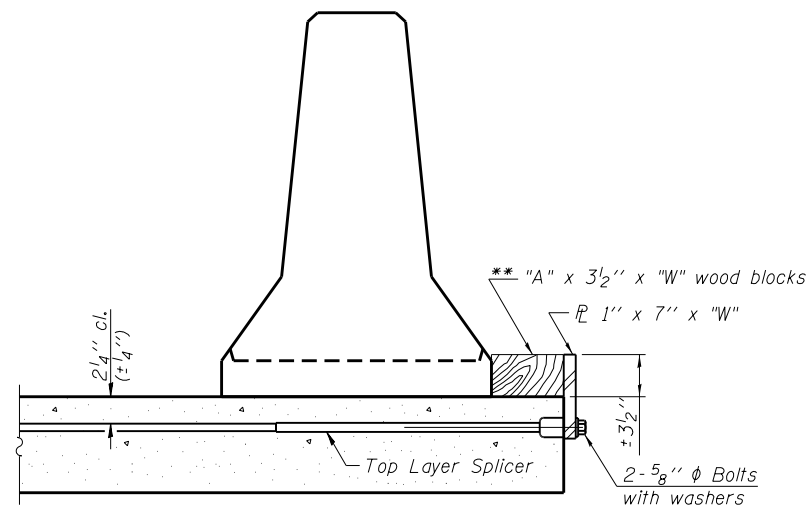
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel PL to the top layer of couplers with 2-5/8" diameter bolts screwed to coupler at approximate center of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel PL to the concrete slab or concrete wearing surface with 2-5/8" diameter Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate center of each barrier panel.

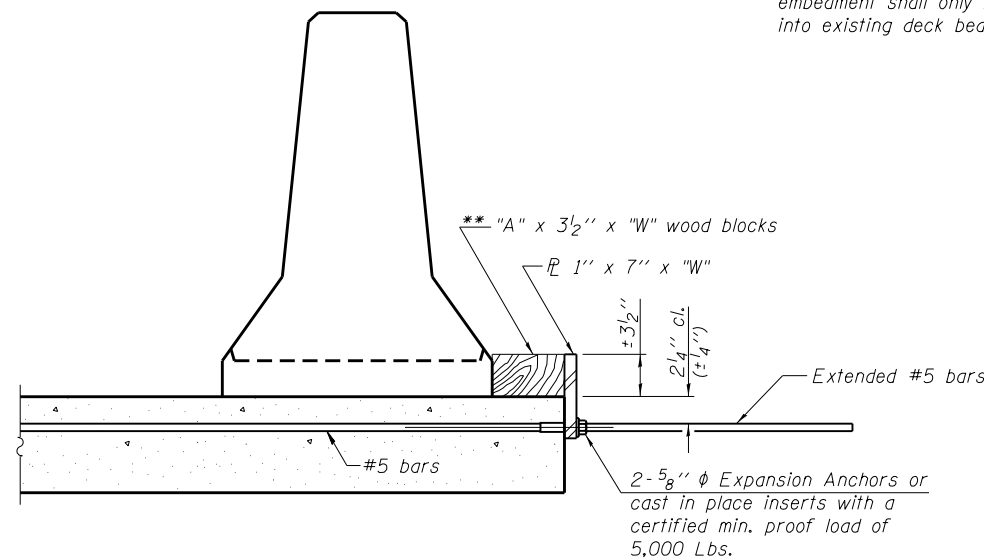
Cost of retainer assembly is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete.
If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

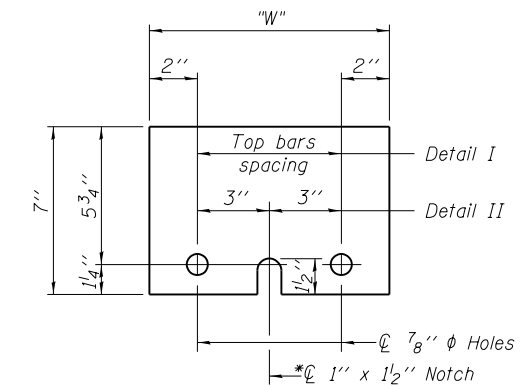
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PL 1" x 7" x "W"

* Required only with Detail II

RETAINER ASSEMBLY

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

R-27

1-12-15



USER NAME = mjreker	DESIGNED - SDY	REVISED -
PLOT DATE = 4/25/2016	CHECKED - DJG	REVISED -
PLOT TIME = 10:00:26 AM	DRAWN - MJR	REVISED -
	CHECKED - SDY	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

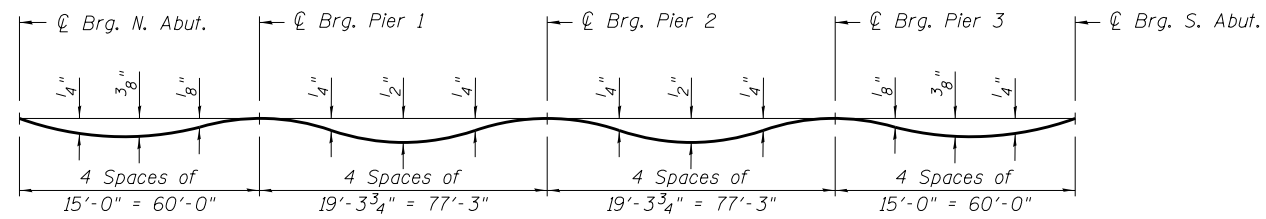
**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

SHEET NO. 04 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	56
			CONTRACT NO. 76481	

ILLINOIS FED. AID PROJECT

D-98-057-01

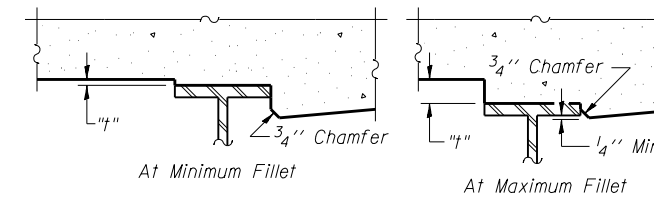


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below and on Sheet 7 of 20.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below and on Sheet 7 of 20, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	501+21.84	-15.00	459.11	459.11
☉ Brg. N. Abut.	501+24.13	-15.00	459.10	459.10
A	501+34.13	-15.00	459.05	459.06
B	501+44.13	-15.00	459.00	459.02
C	501+54.13	-15.00	458.95	458.97
D	501+64.13	-15.00	458.90	458.92
E	501+74.13	-15.00	458.85	458.85
☉ Brg Pier 1	501+84.13	-15.00	458.80	458.80
F	501+94.13	-15.00	458.75	458.75
G	502+04.13	-15.00	458.70	458.72
H	502+14.13	-15.00	458.65	458.68
I	502+24.13	-15.00	458.60	458.64
J	502+34.13	-15.00	458.55	458.58
K	502+44.13	-15.00	458.50	458.52
L	502+54.13	-15.00	458.45	458.45
☉ Brg Pier 2	502+61.38	-15.00	458.41	458.41
M	502+71.38	-15.00	458.36	458.37
N	502+81.38	-15.00	458.31	458.33
O	502+91.38	-15.00	458.26	458.29
P	503+01.38	-15.00	458.21	458.25
Q	503+11.38	-15.00	458.16	458.20
R	503+21.38	-15.00	458.11	458.13
S	503+31.38	-15.00	458.06	458.07
☉ Brg Pier 3	503+38.63	-15.00	458.02	458.02
T	503+48.63	-15.00	457.97	457.98
U	503+58.63	-15.00	457.92	457.94
V	503+68.63	-15.00	457.87	457.90
W	503+78.63	-15.00	457.82	457.85
X	503+88.63	-15.00	457.77	457.79
☉ Brg. S. Abut.	503+98.63	-15.00	457.72	457.72
Bk. S. Abut.	504+00.92	-15.00	457.71	457.71

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	501+21.84	-7.50	459.24	459.24
☉ Brg. N. Abut.	501+24.13	-7.50	459.23	459.23
A	501+34.13	-7.50	459.18	459.20
B	501+44.13	-7.50	459.13	459.16
C	501+54.13	-7.50	459.08	459.11
D	501+64.13	-7.50	459.03	459.05
E	501+74.13	-7.50	458.98	458.99
☉ Brg Pier 1	501+84.13	-7.50	458.93	458.93
F	501+94.13	-7.50	458.88	458.89
G	502+04.13	-7.50	458.83	458.85
H	502+14.13	-7.50	458.78	458.81
I	502+24.13	-7.50	458.73	458.77
J	502+34.13	-7.50	458.68	458.71
K	502+44.13	-7.50	458.63	458.65
L	502+54.13	-7.50	458.58	458.59
☉ Brg Pier 2	502+61.38	-7.50	458.54	458.54
M	502+71.38	-7.50	458.49	458.50
N	502+81.38	-7.50	458.44	458.46
O	502+91.38	-7.50	458.39	458.43
P	503+01.38	-7.50	458.34	458.38
Q	503+11.38	-7.50	458.29	458.33
R	503+21.38	-7.50	458.24	458.26
S	503+31.38	-7.50	458.19	458.20
☉ Brg Pier 3	503+38.63	-7.50	458.16	458.16
T	503+48.63	-7.50	458.11	458.11
U	503+58.63	-7.50	458.06	458.07
V	503+68.63	-7.50	458.01	458.03
W	503+78.63	-7.50	457.96	457.98
X	503+88.63	-7.50	457.91	457.92
☉ Brg. S. Abut.	503+98.63	-7.50	457.86	457.86
Bk. S. Abut.	504+00.92	-7.50	457.85	457.85

☉ ROADWAY, P.G. & GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	501+21.84	0.00	459.36	459.36
☉ Brg. N. Abut.	501+24.13	0.00	459.35	459.35
A	501+34.13	0.00	459.30	459.31
B	501+44.13	0.00	459.25	459.27
C	501+54.13	0.00	459.20	459.22
D	501+64.13	0.00	459.15	459.17
E	501+74.13	0.00	459.10	459.10
☉ Brg Pier 1	501+84.13	0.00	459.05	459.05
F	501+94.13	0.00	459.00	459.01
G	502+04.13	0.00	458.95	458.97
H	502+14.13	0.00	458.90	458.93
I	502+24.13	0.00	458.85	458.89
J	502+34.13	0.00	458.80	458.83
K	502+44.13	0.00	458.75	458.77
L	502+54.13	0.00	458.70	458.70
☉ Brg Pier 2	502+61.38	0.00	458.66	458.66
M	502+71.38	0.00	458.61	458.62
N	502+81.38	0.00	458.56	458.58
O	502+91.38	0.00	458.51	458.54
P	503+01.38	0.00	458.46	458.50
Q	503+11.38	0.00	458.41	458.45
R	503+21.38	0.00	458.36	458.38
S	503+31.38	0.00	458.31	458.32
☉ Brg Pier 3	503+38.63	0.00	458.27	458.27
T	503+48.63	0.00	458.22	458.23
U	503+58.63	0.00	458.17	458.19
V	503+68.63	0.00	458.12	458.15
W	503+78.63	0.00	458.07	458.10
X	503+88.63	0.00	458.02	458.04
☉ Brg. S. Abut.	503+98.63	0.00	457.97	457.97
Bk. S. Abut.	504+00.92	0.00	457.96	457.96

Note: N.B. elevations shown, S.B. elevations similar.

(Sheet 1 of 2)

	USER NAME = mjreker	DESIGNED - SDY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF SLAB ELEVATIONS STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141	F.A.U. RTE. = 8885	SECTION = IBR	COUNTY = MADISON	TOTAL SHEETS = 86	SHEET NO. = 58	
	PLOT DATE = 4/25/2016	DRAWN - MJR	REVISED -			CONTRACT NO. 76481					
	PLOT TIME = 10:00:44 AM	CHECKED - SDY	REVISED -			SHEET NO. 06 OF 20 SHEETS					

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	501+21.84	7.50	459.24	459.24
⊕ Brg. N. Abut.	501+24.13	7.50	459.23	459.23
A	501+34.13	7.50	459.18	459.20
B	501+44.13	7.50	459.13	459.16
C	501+54.13	7.50	459.08	459.11
D	501+64.13	7.50	459.03	459.05
E	501+74.13	7.50	458.98	458.99
⊕ Brg Pier 1	501+84.13	7.50	458.93	458.93
F	501+94.13	7.50	458.88	458.89
G	502+04.13	7.50	458.83	458.85
H	502+14.13	7.50	458.78	458.81
I	502+24.13	7.50	458.73	458.77
J	502+34.13	7.50	458.68	458.71
K	502+44.13	7.50	458.63	458.65
L	502+54.13	7.50	458.58	458.59
⊕ Brg Pier 2	502+61.38	7.50	458.54	458.54
M	502+71.38	7.50	458.49	458.50
N	502+81.38	7.50	458.44	458.46
O	502+91.38	7.50	458.39	458.43
P	503+01.38	7.50	458.34	458.38
Q	503+11.38	7.50	458.29	458.33
R	503+21.38	7.50	458.24	458.26
S	503+31.38	7.50	458.19	458.20
⊕ Brg Pier 3	503+38.63	7.50	458.16	458.16
T	503+48.63	7.50	458.11	458.11
U	503+58.63	7.50	458.06	458.07
V	503+68.63	7.50	458.01	458.03
W	503+78.63	7.50	457.96	457.98
X	503+88.63	7.50	457.91	457.92
⊕ Brg. S. Abut.	503+98.63	7.50	457.86	457.86
Bk. S. Abut.	504+00.92	7.50	457.85	457.85

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	501+21.84	15.00	459.11	459.11
⊕ Brg. N. Abut.	501+24.13	15.00	459.10	459.10
A	501+34.13	15.00	459.05	459.06
B	501+44.13	15.00	459.00	459.02
C	501+54.13	15.00	458.95	458.97
D	501+64.13	15.00	458.90	458.92
E	501+74.13	15.00	458.85	458.85
⊕ Brg Pier 1	501+84.13	15.00	458.80	458.80
F	501+94.13	15.00	458.75	458.75
G	502+04.13	15.00	458.70	458.72
H	502+14.13	15.00	458.65	458.68
I	502+24.13	15.00	458.60	458.64
J	502+34.13	15.00	458.55	458.58
K	502+44.13	15.00	458.50	458.52
L	502+54.13	15.00	458.45	458.45
⊕ Brg Pier 2	502+61.38	15.00	458.41	458.41
M	502+71.38	15.00	458.36	458.37
N	502+81.38	15.00	458.31	458.33
O	502+91.38	15.00	458.26	458.29
P	503+01.38	15.00	458.21	458.25
Q	503+11.38	15.00	458.16	458.20
R	503+21.38	15.00	458.11	458.13
S	503+31.38	15.00	458.06	458.07
⊕ Brg Pier 3	503+38.63	15.00	458.02	458.02
T	503+48.63	15.00	457.97	457.98
U	503+58.63	15.00	457.92	457.94
V	503+68.63	15.00	457.87	457.90
W	503+78.63	15.00	457.82	457.85
X	503+88.63	15.00	457.77	457.79
⊕ Brg. S. Abut.	503+98.63	15.00	457.72	457.72
Bk. S. Abut.	504+00.92	15.00	457.71	457.71

Note: N.B. elevations shown, S.B. elevations similar.

(Sheet 2 of 2)



USER NAME = mjreker	DESIGNED - SDY	REVISED -
	CHECKED - DJG	REVISED -
PLOT DATE = 4/25/2016	DRAWN - MJR	REVISED -
PLOT TIME = 10:00:53 AM	CHECKED - SDY	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

SHEET NO. 07 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	59
			CONTRACT NO. 76481	

ILLINOIS FED. AID PROJECT

INSIDE FACE OF EAST PARAPET

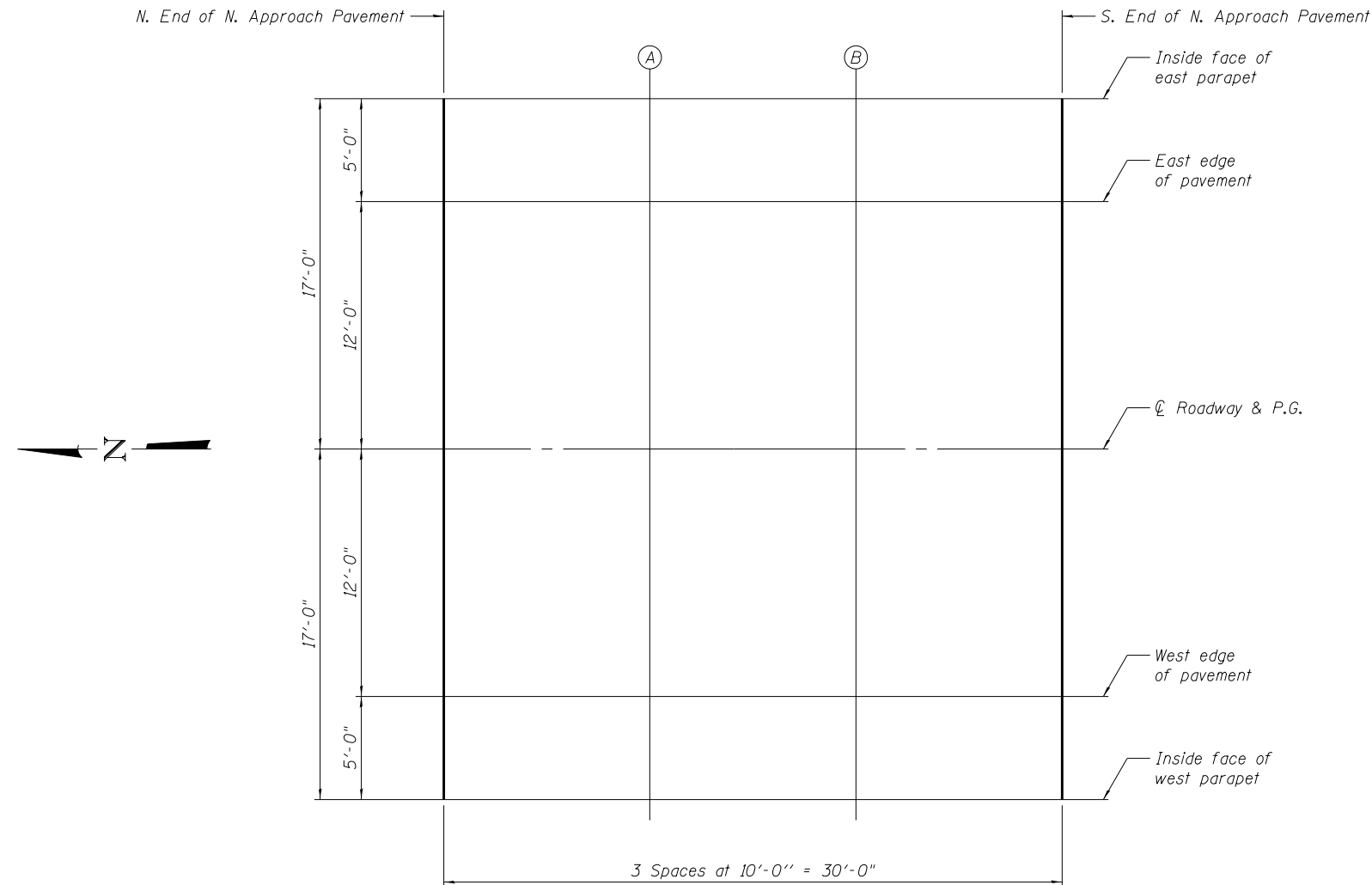
Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	500+92.84	-17.00	459.35
A	501+02.84	-17.00	459.26
B	501+12.84	-17.00	459.16
S. End N. Appr. Pav't.	501+22.84	-17.00	459.08

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	500+92.84	-12.00	459.46
A	501+02.84	-12.00	459.37
B	501+12.84	-12.00	459.26
S. End N. Appr. Pav't.	501+22.84	-12.00	459.18

☉ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	500+92.84	0.00	459.52
A	501+02.84	0.00	459.47
B	501+12.84	0.00	459.42
S. End N. Appr. Pav't.	501+22.84	0.00	459.37



PLAN

Note: Northbound plan and elevations shown. Southbound similar.

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	500+92.84	12.00	459.33
A	501+02.84	12.00	459.28
B	501+12.84	12.00	459.23
S. End N. Appr. Pav't.	501+22.84	12.00	459.18

INSIDE FACE OF WEST PARAPET

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Pav't.	500+92.84	17.00	459.23
A	501+02.84	17.00	459.18
B	501+12.84	17.00	459.13
S. End N. Appr. Pav't.	501+22.84	17.00	459.08



USER NAME = mjreker	DESIGNED - SDY	REVISED -
PLOT DATE = 4/25/2016	CHECKED - DJG	REVISED -
PLOT TIME = 10:01:04 AM	DRAWN - MJR	REVISED -
	CHECKED - SDY	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

SHEET NO. 08 OF 20 SHEETS

F.A.U. RTE. 8885	SECTION IBR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 60
			CONTRACT NO. 76481	

ILLINOIS FED. AID PROJECT

INSIDE FACE OF EAST PARAPET

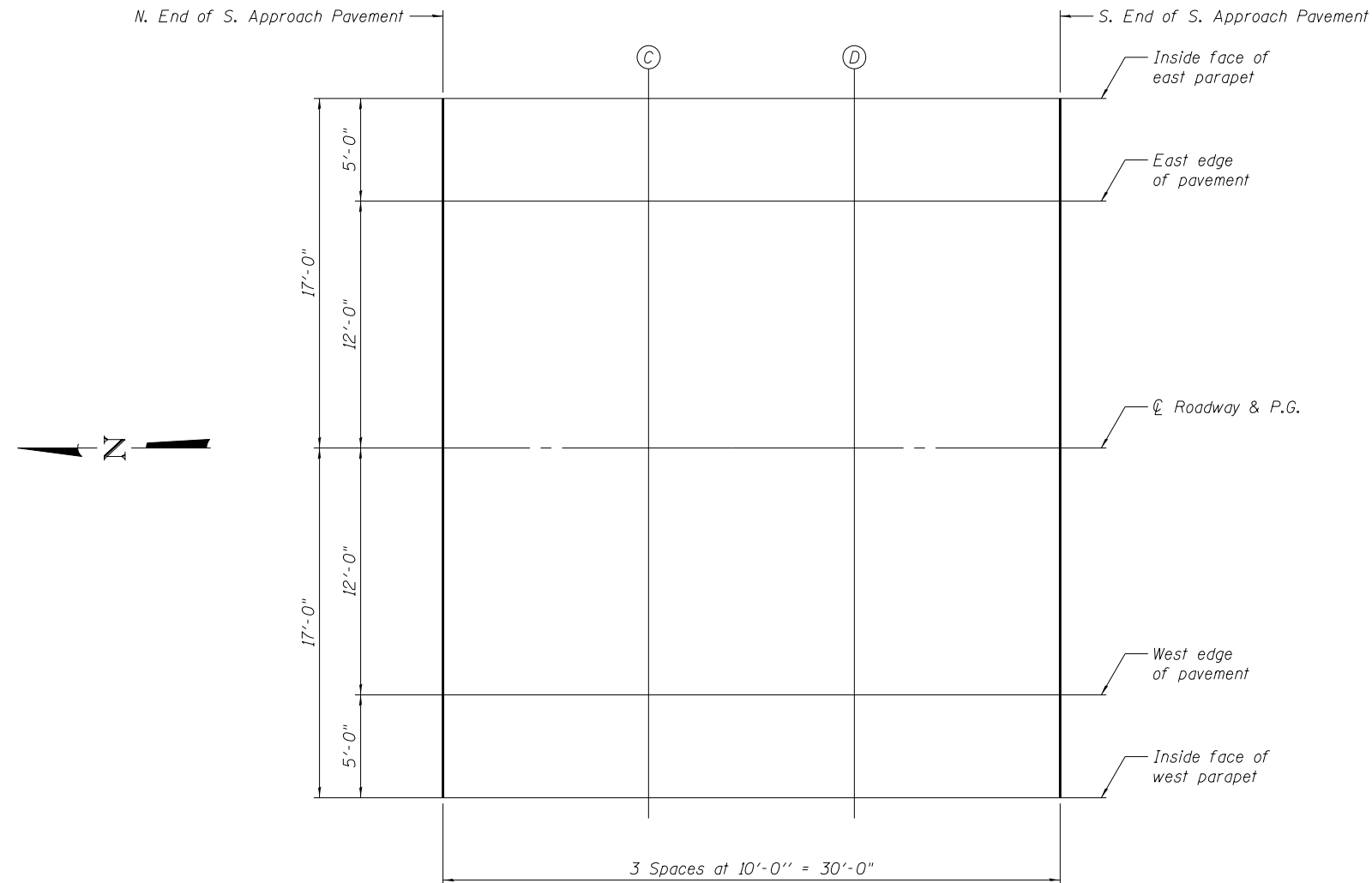
Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	503+99.92	-17.00	457.67
C	504+09.92	-17.00	457.62
D	504+19.92	-17.00	457.57
S. End S. Appr. Pav't.	504+29.92	-17.00	457.51

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	503+99.92	-12.00	457.77
C	504+09.92	-12.00	457.72
D	504+19.92	-12.00	457.67
S. End S. Appr. Pav't.	504+29.92	-12.00	457.62

☉ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	503+99.92	0.00	457.96
C	504+09.92	0.00	457.91
D	504+19.92	0.00	457.86
S. End S. Appr. Pav't.	504+29.92	0.00	457.81



PLAN

Note: Northbound plan and elevations shown. Southbound similar.

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	503+99.92	12.00	457.77
C	504+09.92	12.00	457.72
D	504+19.92	12.00	457.67
S. End S. Appr. Pav't.	504+29.92	12.00	457.62

INSIDE FACE OF WEST PARAPET

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Pav't.	503+99.92	17.00	457.67
C	504+09.92	17.00	457.62
D	504+19.92	17.00	457.57
S. End S. Appr. Pav't.	504+29.92	17.00	457.51



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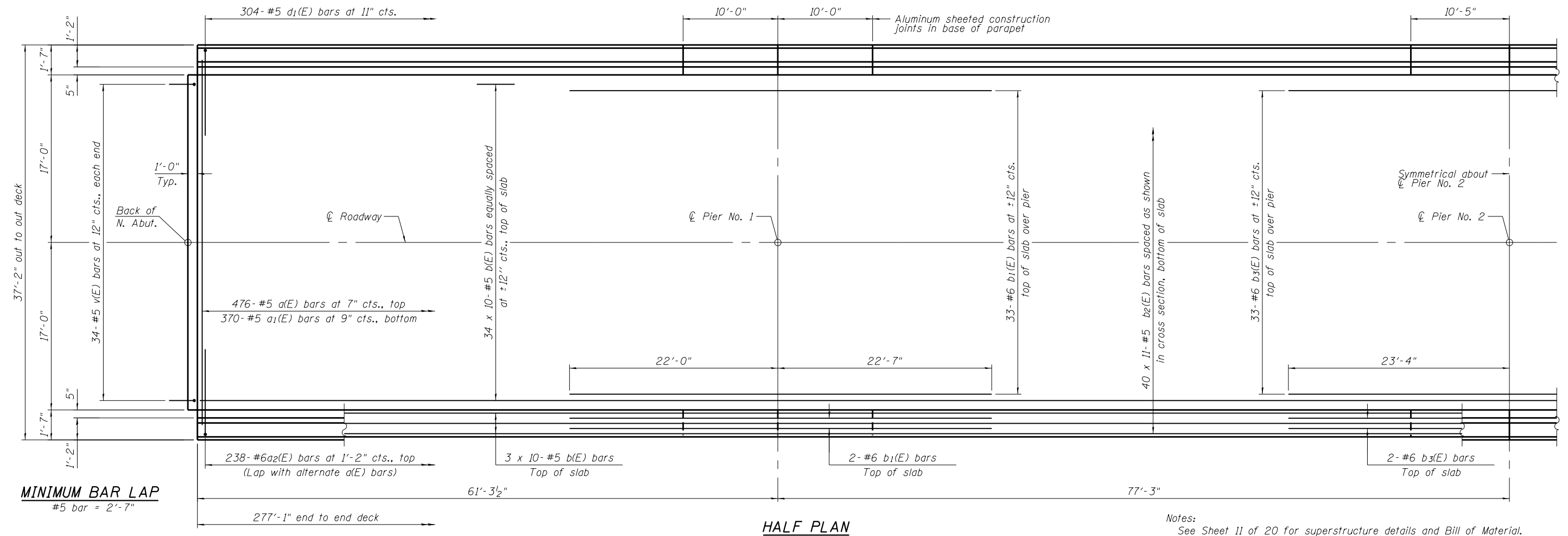
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

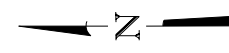
SHEET NO. 09 OF 20 SHEETS

F.A.U. RTE. 8885	SECTION IBR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 61
			CONTRACT NO. 76481	

ILLINOIS FED. AID PROJECT

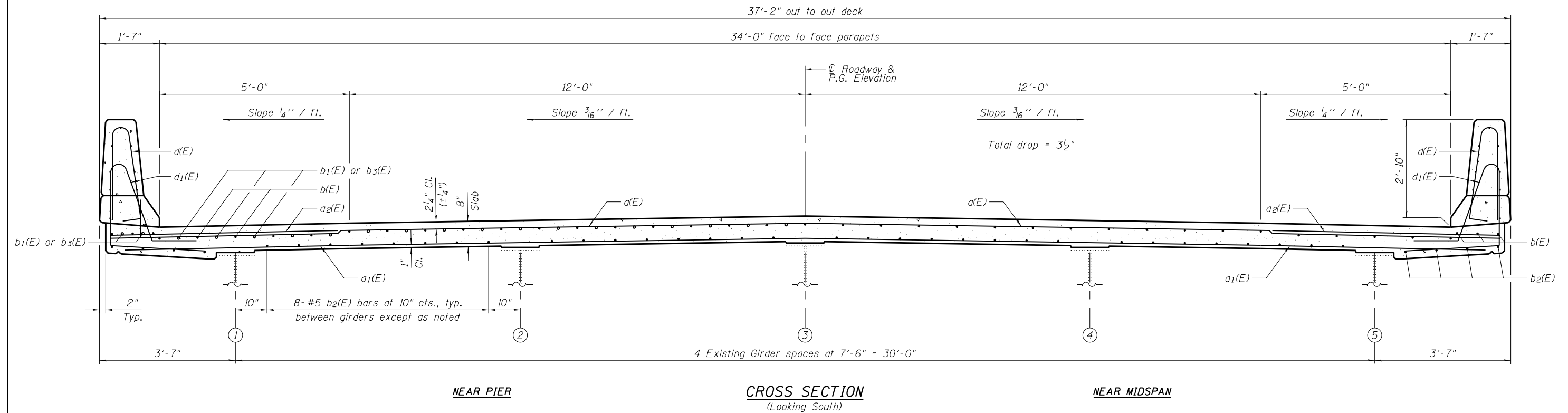


MINIMUM BAR LAP
#5 bar = 2'-7"



HALF PLAN

Notes:
See Sheet 11 of 20 for superstructure details and Bill of Material.
Bars indicated thus 34 x 10-#5 etc. indicates 34 lines of bars with 10 lengths per line.
See Sheet 11 of 20 for parapet reinforcement.



NEAR PIER

CROSS SECTION
(Looking South)

NEAR MIDSPAN



USER NAME = mjreker	DESIGNED - SDY	REVISED -
PLOT DATE = 4/25/2016	CHECKED - DJG	REVISED -
PLOT TIME = 10:01:28 AM	DRAWN - MJR	REVISED -
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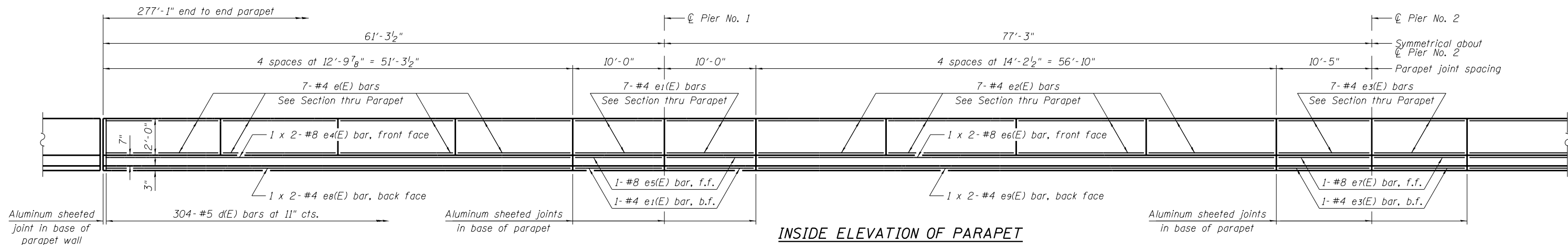
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 62
CONTRACT NO. 76481				

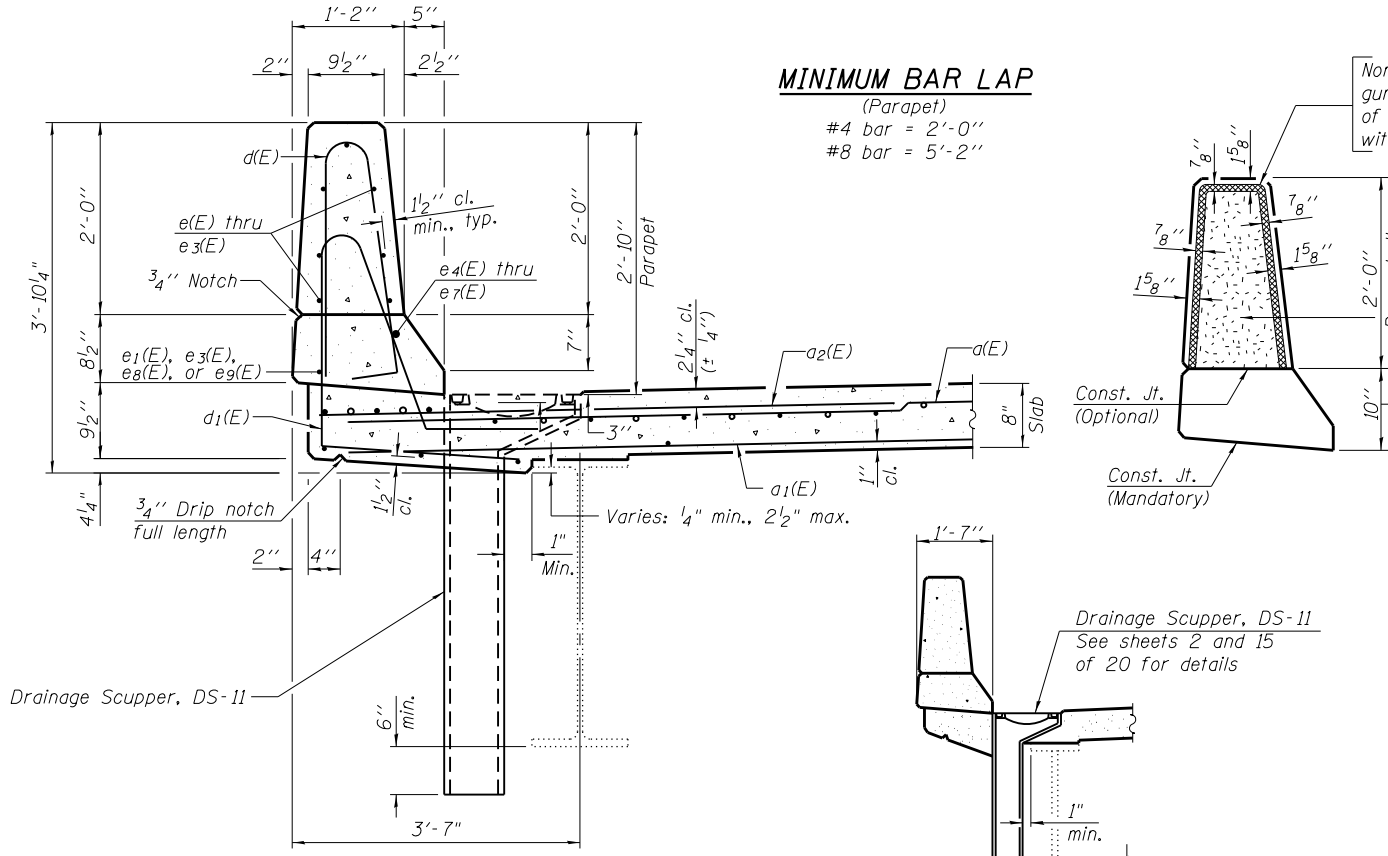
SHEET NO. 10 OF 20 SHEETS

ILLINOIS FED. AID PROJECT



INSIDE ELEVATION OF PARAPET

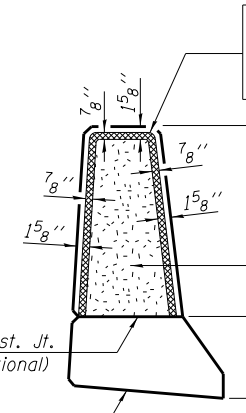
(Looking East at East parapet, West parapet similar)



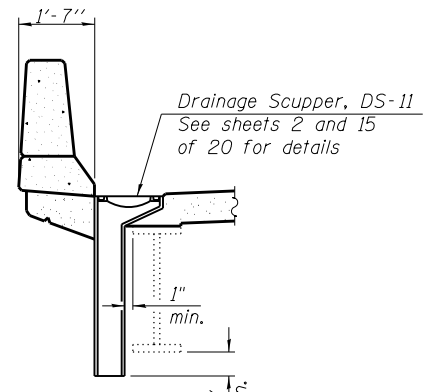
SECTION THRU PARAPET

MINIMUM BAR LAP

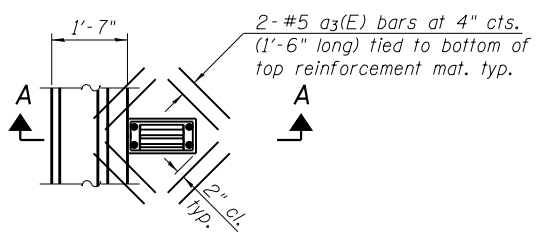
(Parapet)
 #4 bar = 2'-0"
 #8 bar = 5'-2"



PARAPET JOINT DETAILS

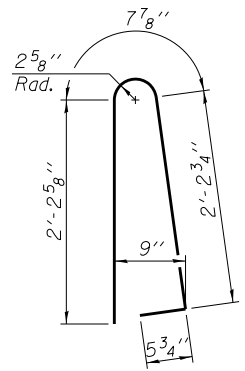
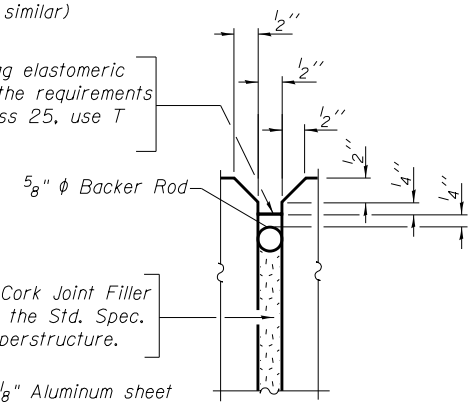


SECTION A-A

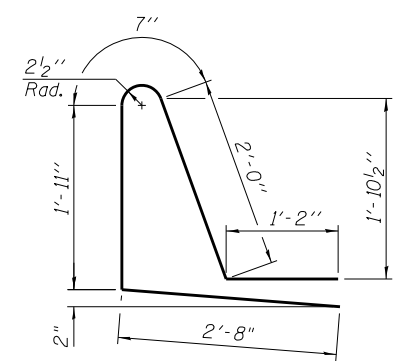


PLAN

Note:
 Cut longitudinal reinforcement to clear drainage scuppers.



BAR d(E)



BAR d1(E)

SUPERSTRUCTURE BILL OF MATERIAL (1 BRIDGE)

Bar	No.	Size	Length	Shape
a(E)	476	#5	36'-6"	—
a1(E)	370	#5	35'-6"	—
a2(E)	476	#6	6'-6"	—
a3(E)	32	#5	1'-6"	—
b(E)	400	#5	30'-0"	—
b1(E)	74	#6	44'-7"	—
b2(E)	440	#5	27'-5"	—
b3(E)	74	#6	46'-8"	—
d(E)	608	#5	5'-7"	U
d1(E)	608	#5	8'-4"	U
e(E)	112	#4	12'-6"	—
e1(E)	64	#4	9'-8"	—
e2(E)	112	#4	13'-10"	—
e3(E)	32	#4	10'-1"	—
e4(E)	8	#8	28'-1"	—
e5(E)	8	#8	9'-8"	—
e6(E)	8	#8	30'-10"	—
e7(E)	4	#8	10'-1"	—
e8(E)	8	#4	26'-6"	—
e9(E)	8	#4	29'-3"	—
v(E)	68	#5	4'-2"	┌
s(E)	76	#5	8'-4"	┌
s1(E)	68	#4	9'-8"	┌
m(E)	16	#6	33'-4"	—
m1(E)	20	#6	4'-0"	—
m2(E)	32	#6	7'-2"	—
m3(E)	16	#6	1'-6"	—
u(E)	70	#5	4'-6"	┌
Reinforcement Bars, Epoxy Coated		Pound	88,080	
Concrete Superstructure		Cu. Yds.	369.4	

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



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PLOT TIME = 10:01:42 AM	DRAWN - MJR	REVISED -
	CHECKED - SDY	REVISED -

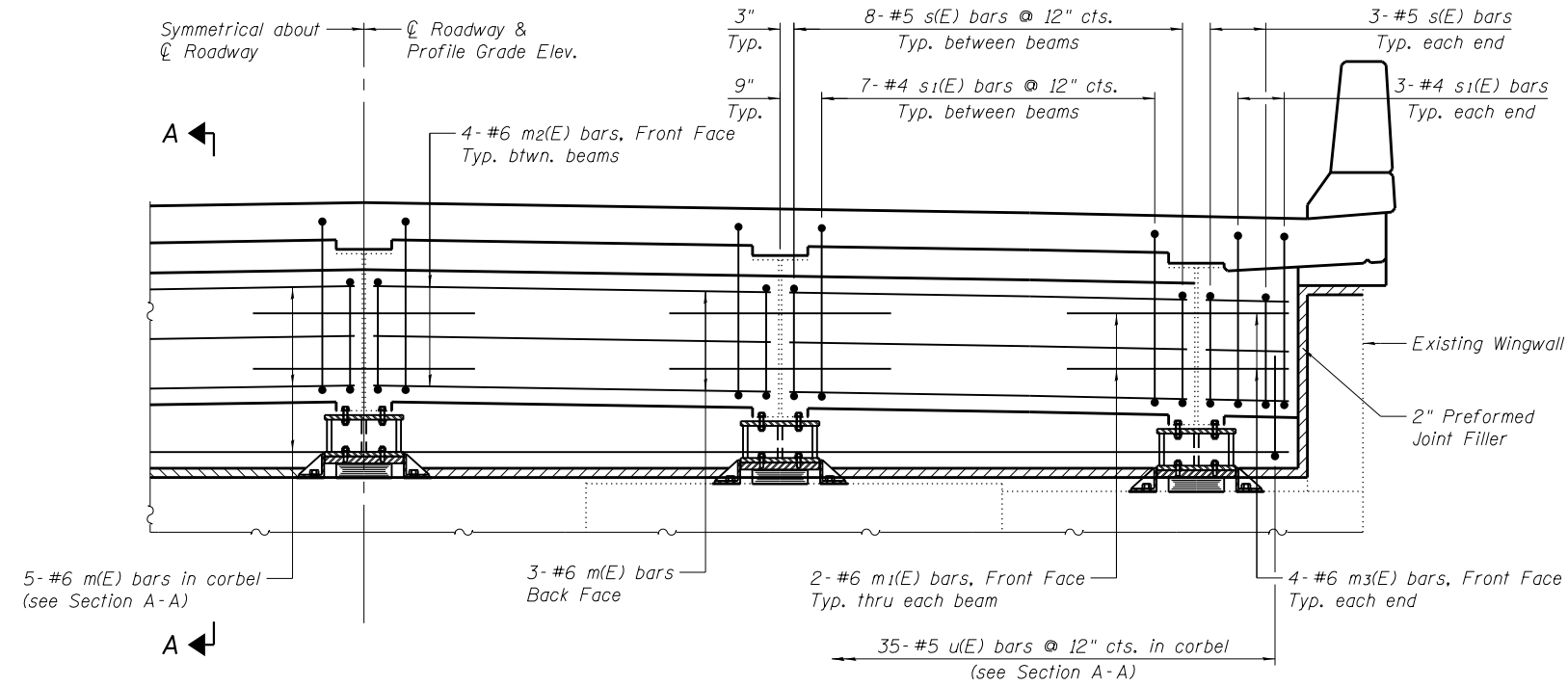
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

SHEET NO. 11 OF 20 SHEETS

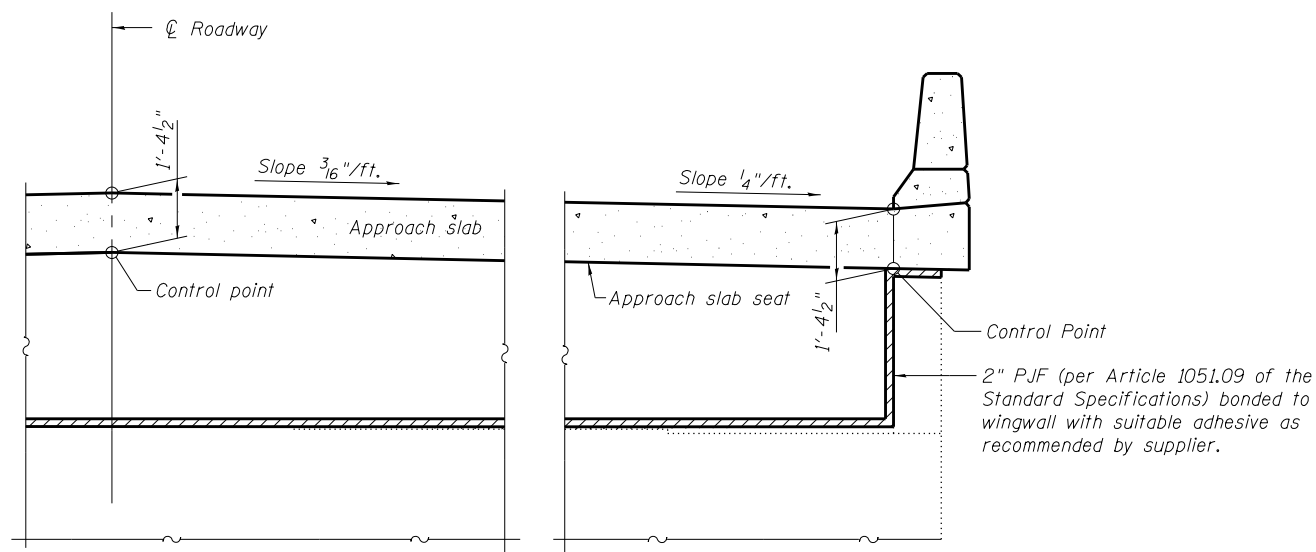
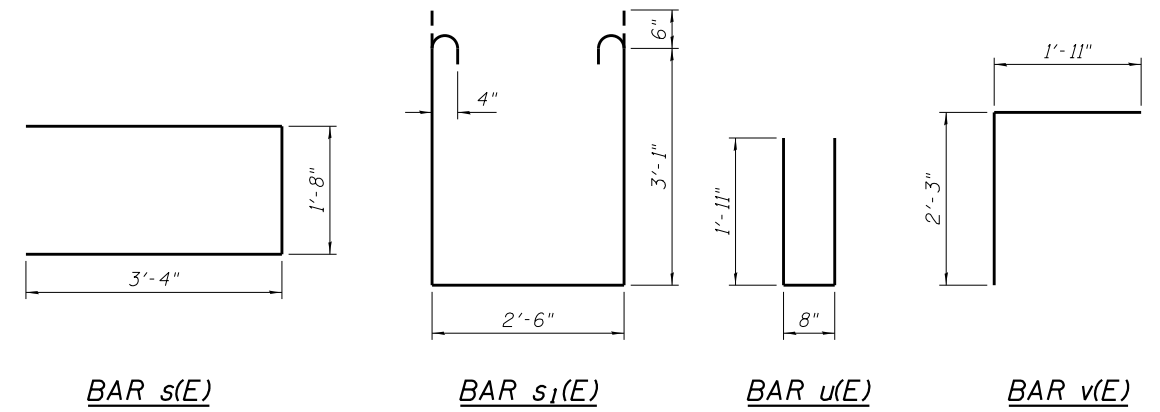
F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76481	

Note:
 Reinforcement bars in diaphragm are billed with superstructure on Sheet 11 of 20.
 Concrete in diaphragm is included with Concrete Superstructure on Sheet 11 of 20.
 Cost of field drilling 1" ϕ holes for m₁(E) bars included with Concrete Superstructure.

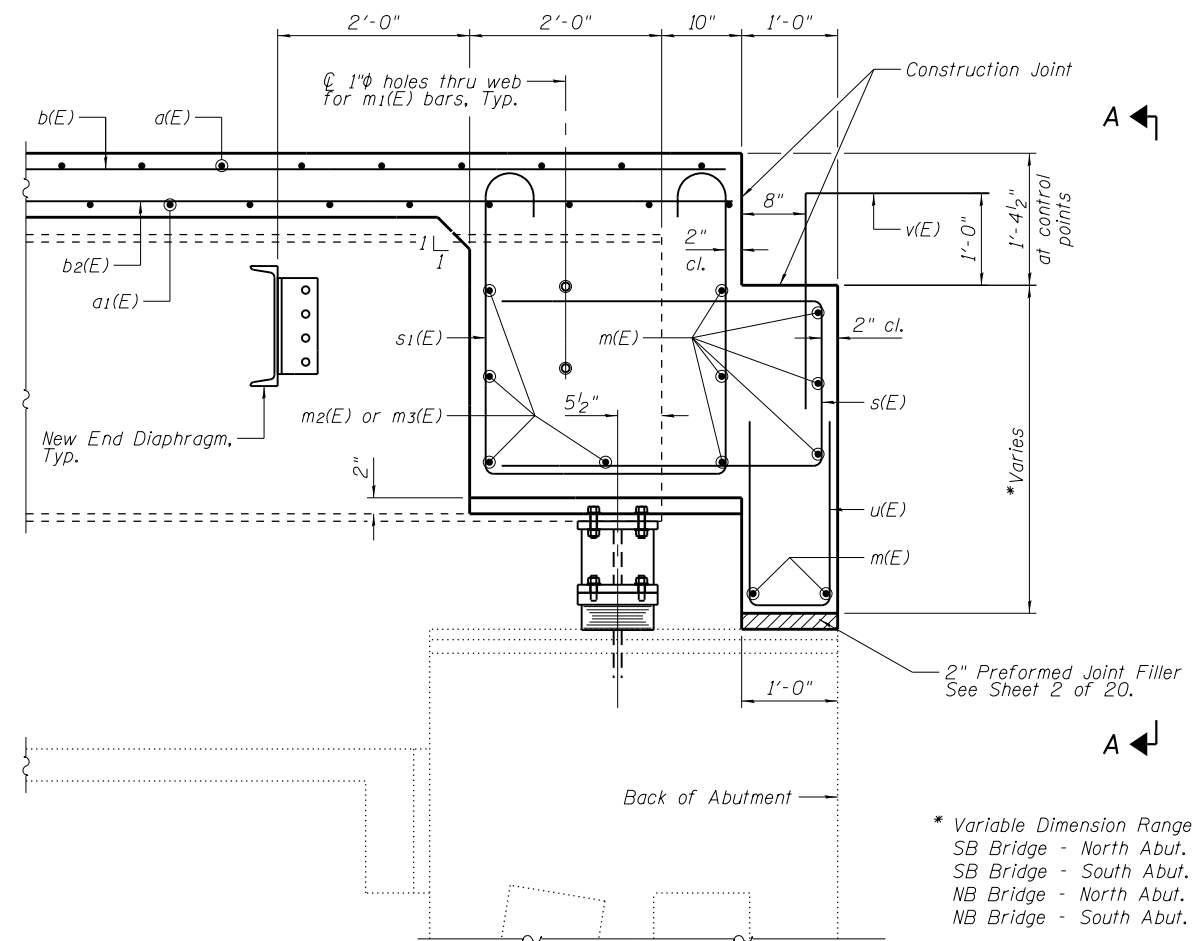


DIAPHRAGM ELEVATION AT ABUTMENT
 (Half of diaphragm shown, other half similar)

MIN. BAR LAP
 #6 bar = 3'-4"



SECTION B-B



SECTION A-A

* Variable Dimension Range
 SB Bridge - North Abut. Varies from 3'-2⁵/₈" to 3'-6¹/₈"
 SB Bridge - South Abut. Varies from 3'-2¹/₈" to 3'-5⁵/₈"
 NB Bridge - North Abut. Varies from 3'-2" to 3'-5¹/₂"
 NB Bridge - South Abut. Varies from 3'-2¹/₈" to 3'-5⁵/₈"



USER NAME = mjreker	DESIGNED - SDY	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

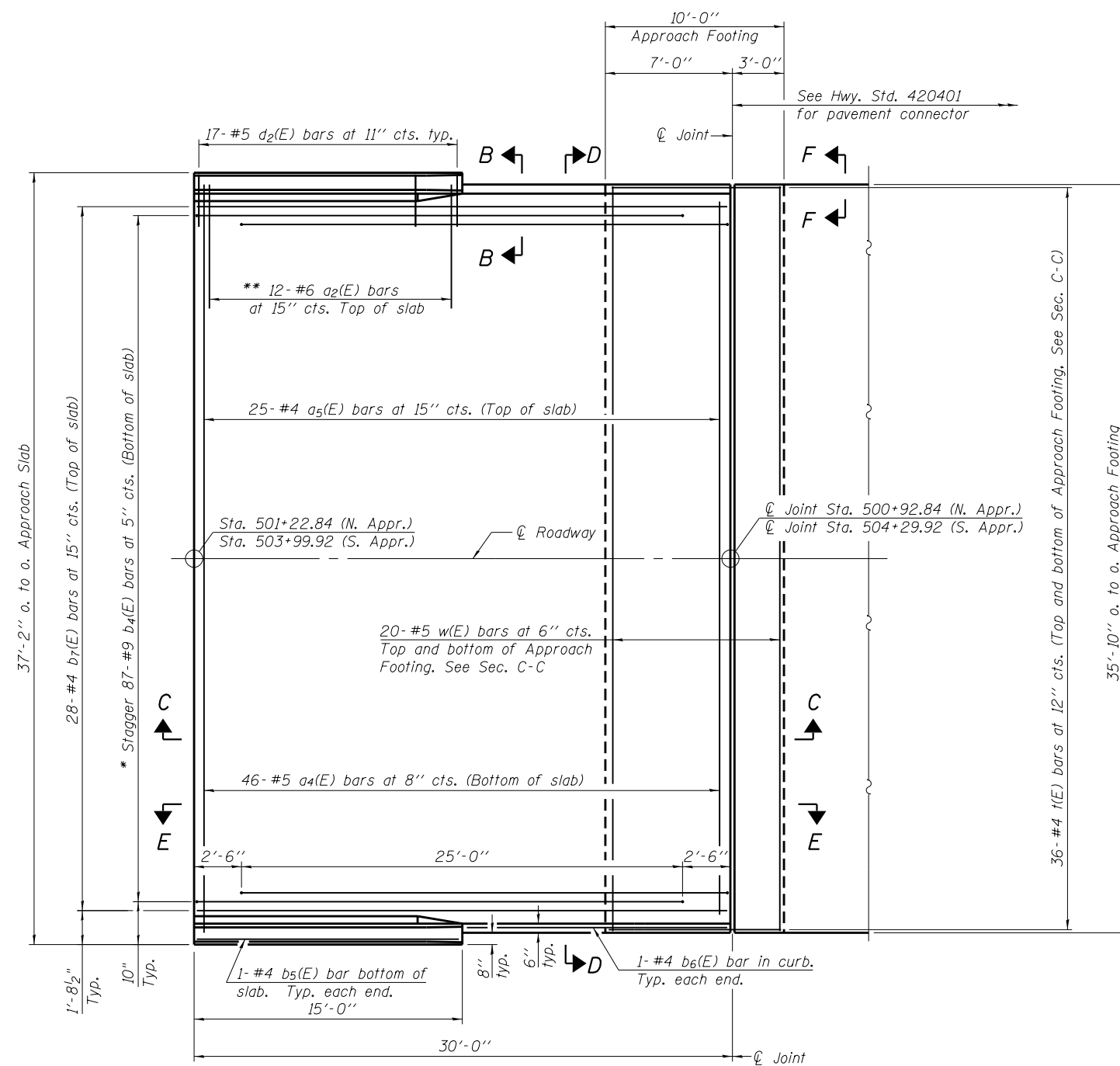
DIAPHRAGM DETAILS
 STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

SHEET NO. 12 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	64
CONTRACT NO. 76481				

ILLINOIS FED. AID PROJECT

Notes:
 See sheet 14 of 20 for Sections C-C & D-D and View E-E.
 a4(E) and a5(E) bar spacings measured along \varnothing Rdwy.
 The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be 1 1/2' for installation purposes.

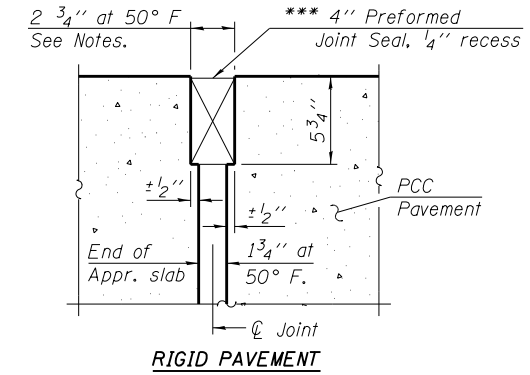


PLAN

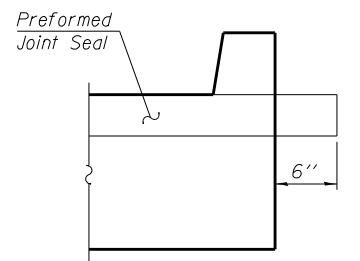
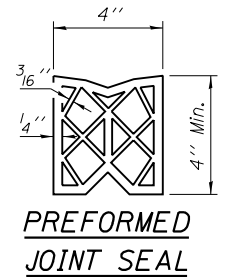
(South approach shown. North approach similar.)

* Tilt #9 b4(E) bars as required to maintain clearance.
 ** Space between a5(E) bars, typ. ea. parapet.

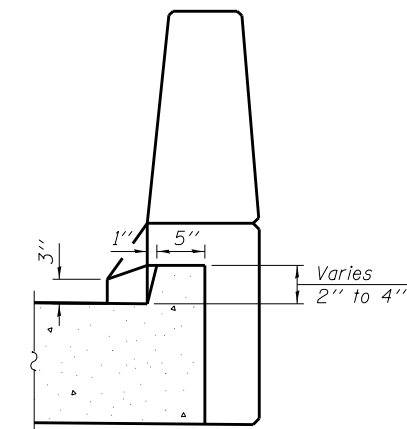
*** Cost included with Concrete Superstructure (Approach Slab).



DETAIL A



VIEW F-F



VIEW B-B

(Sheet 1 of 2)



USER NAME = mjreker	DESIGNED - SDY	REVISED -
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	CHECKED - SDY	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

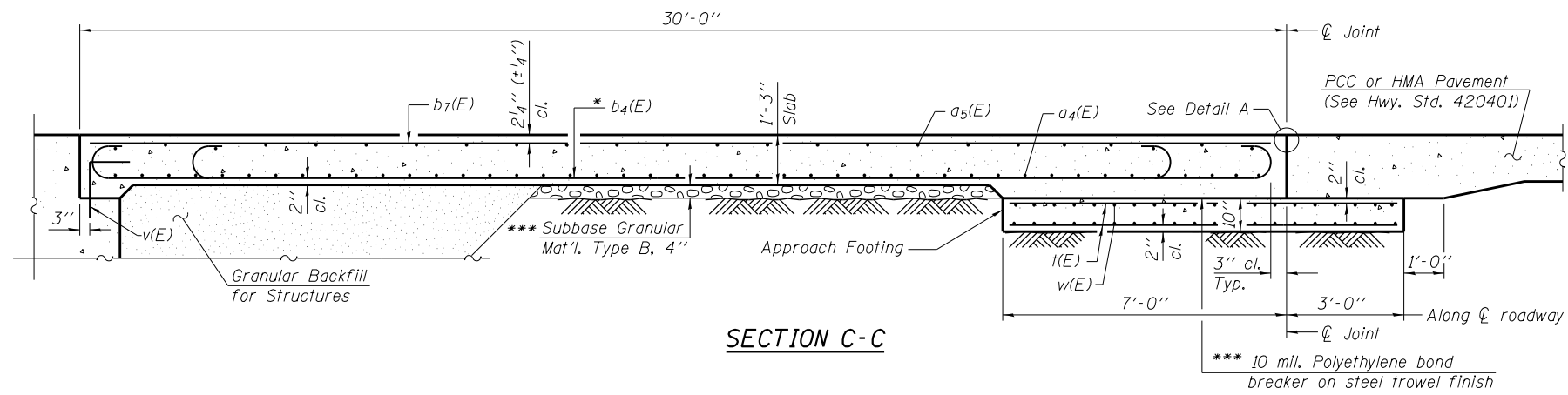
**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

SHEET NO. 13 OF 20 SHEETS

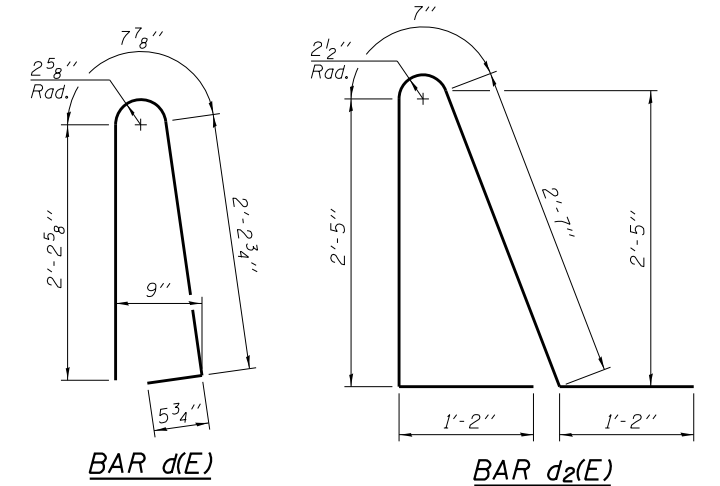
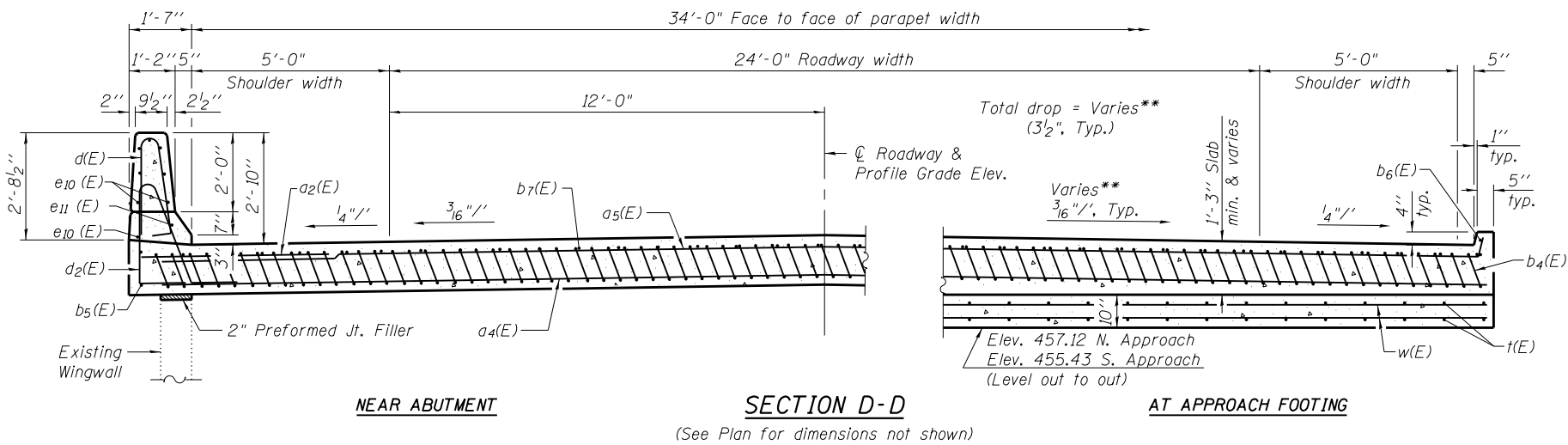
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	65
CONTRACT NO. 76481				

ILLINOIS FED. AID PROJECT

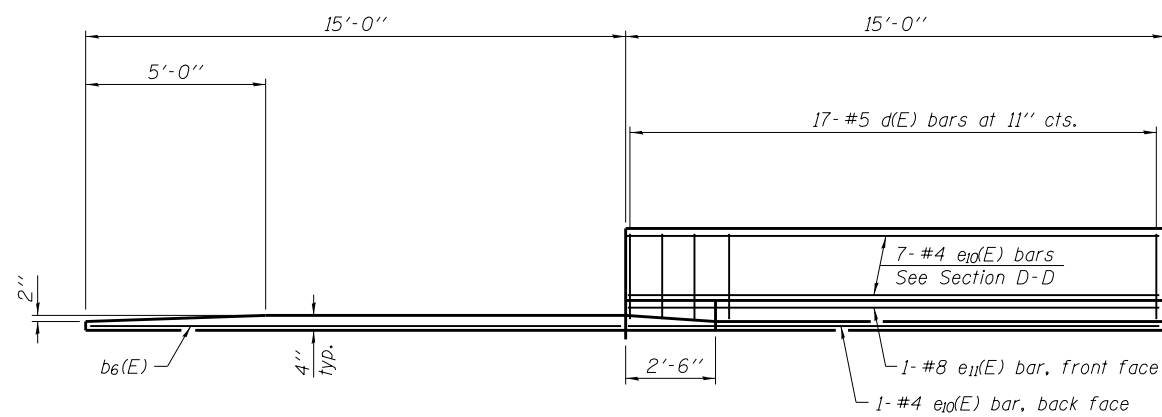
D-98-057-01



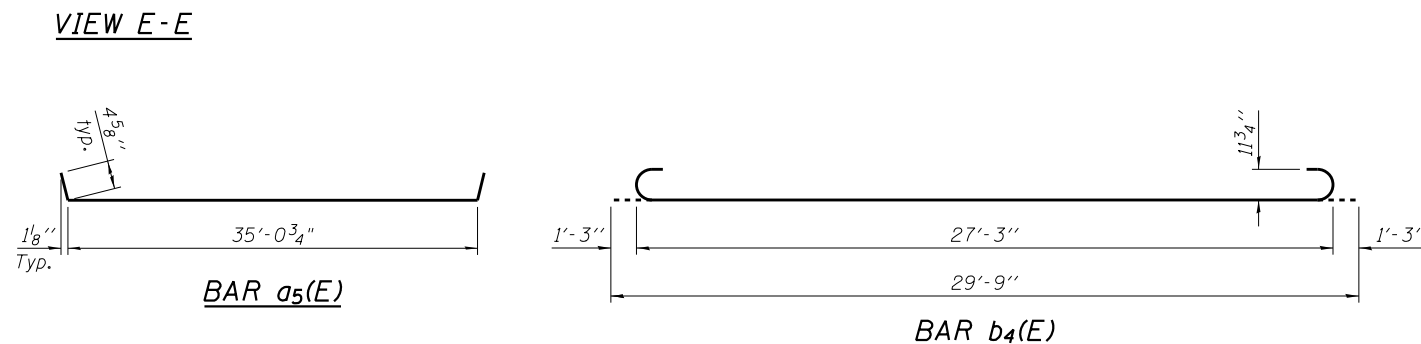
Notes:
 See sheet 13 of 20 for Detail A and View B-B.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet 12 of 20.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 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.
 For additional parapet details, see sheet 11 of 20.



* Tilt #9 b4(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure (Approach Slab).



** Total drop and roadway slope vary only for the N. Approach E. of \varnothing Roadway (superelevation runoff).
 Total drop = Varies from 2" to 3 1/2".
 Roadway slope = Varies from 1/16" to 3/8".



**TWO APPROACHES
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a2(E)	48	#6	6'-6"	—
a4(E)	92	#5	35'-0"	—
a5(E)	50	#4	35'-10"	—
b4(E)	174	#9	27'-4"	—
b5(E)	4	#4	14'-8"	—
b6(E)	4	#4	14'-8"	—
b7(E)	56	#4	29'-8"	—
d(E)	68	#5	5'-7"	—
d2(E)	68	#5	7'-11"	—
e10(E)	32	#4	14'-8"	—
e11(E)	4	#8	14'-8"	—
t(E)	144	#4	9'-8"	—
w(E)	80	#5	35'-4"	—
Concrete Superstructure (Approach Slab)			Cu. Yd.	97.0
Concrete Structures			Cu. Yd.	22.2
Reinforcement Bars, Epoxy Coated			Pound	27,690

(Sheet 2 of 2)



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	CHECKED - SDY	REVISED -

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 DEPARTMENT OF TRANSPORTATION

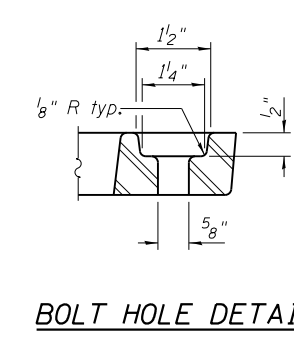
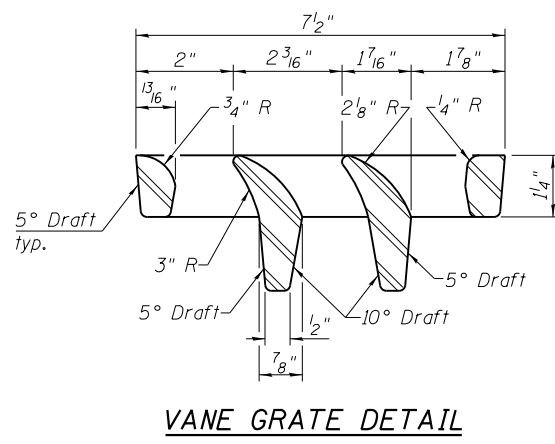
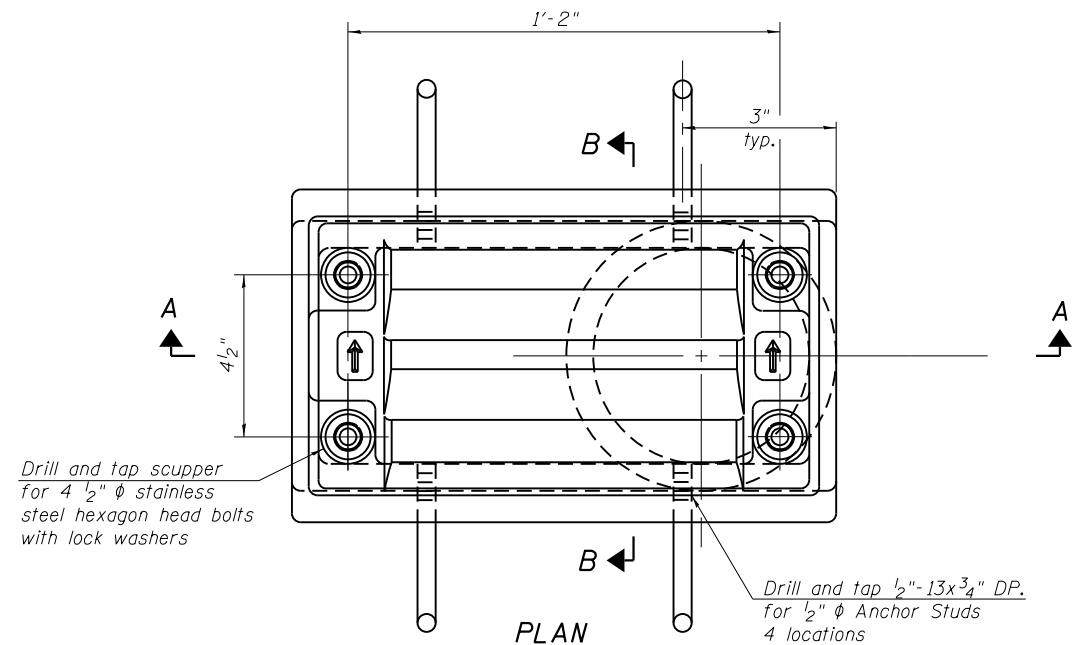
BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

SHEET NO. 14 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	66
CONTRACT NO. 76481				

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D-98-057-01



Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

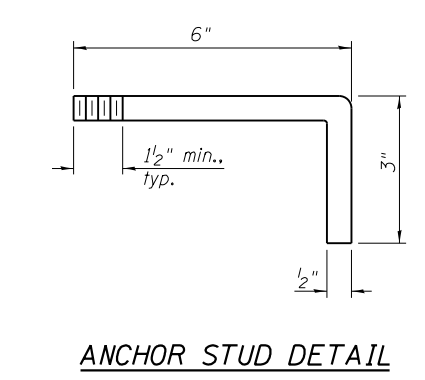
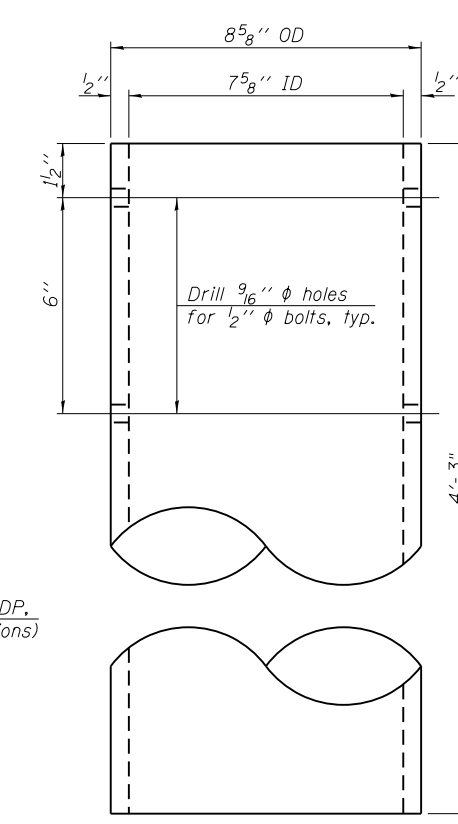
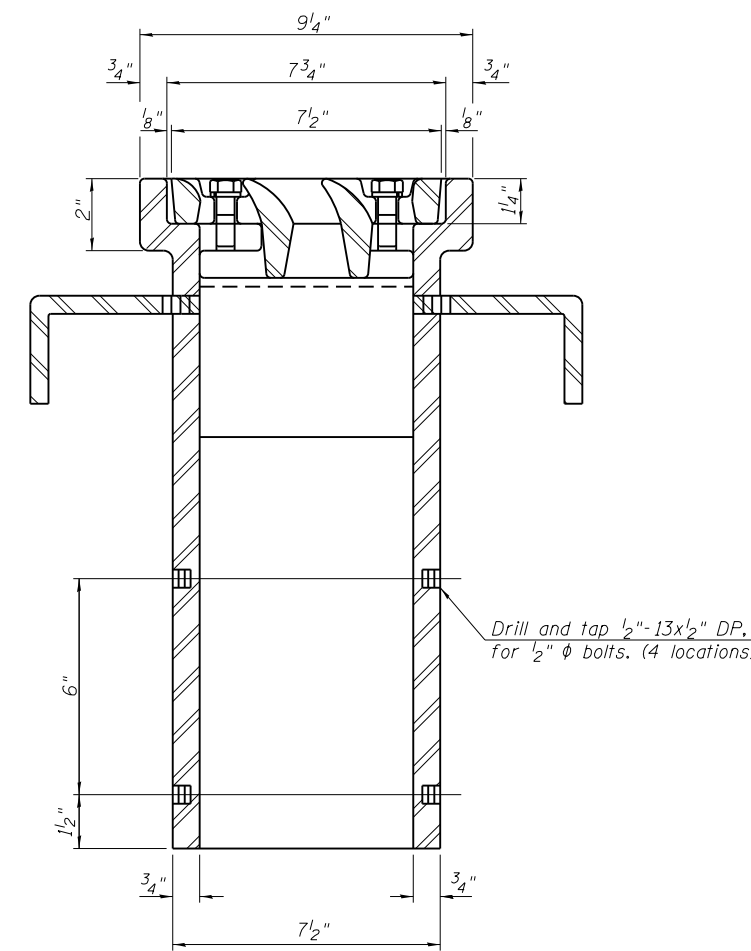
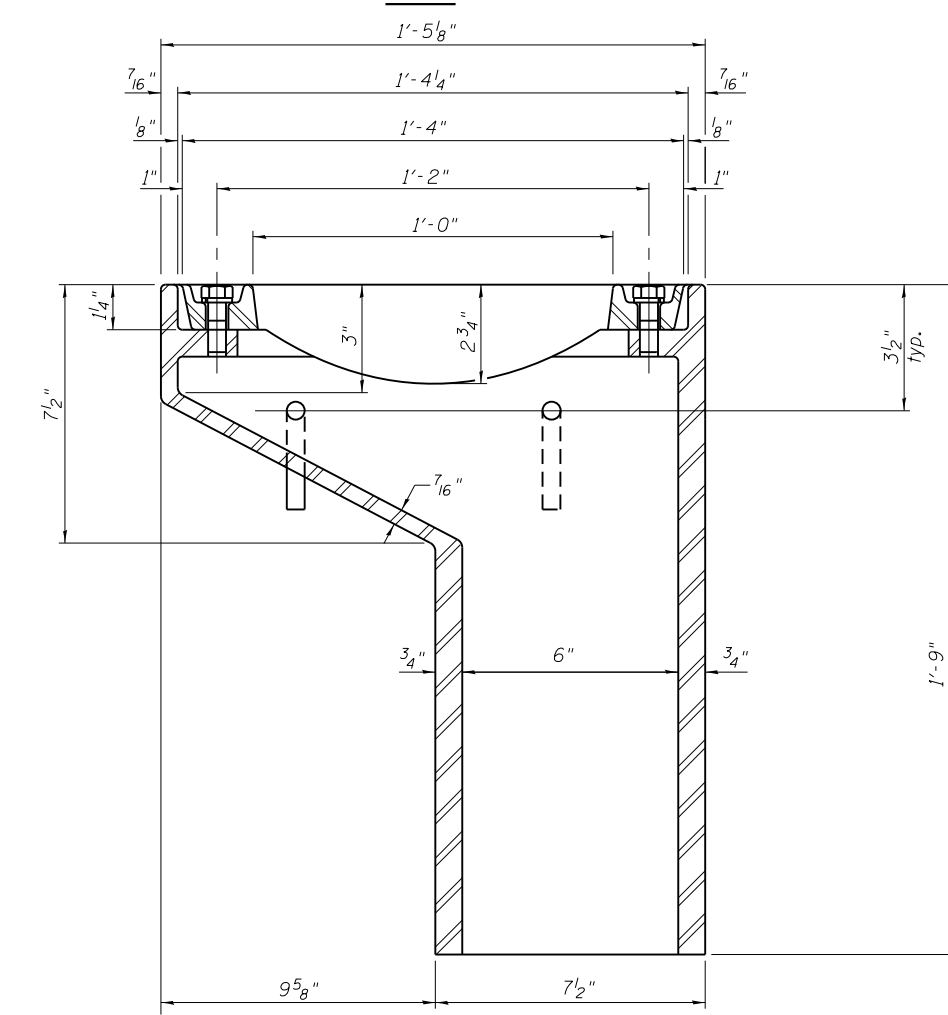
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.



See sheet 11 of 20 for scupper location relative to parapet.

BILL OF MATERIAL (1 BRIDGE)

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	4

DS-11 7-1-10

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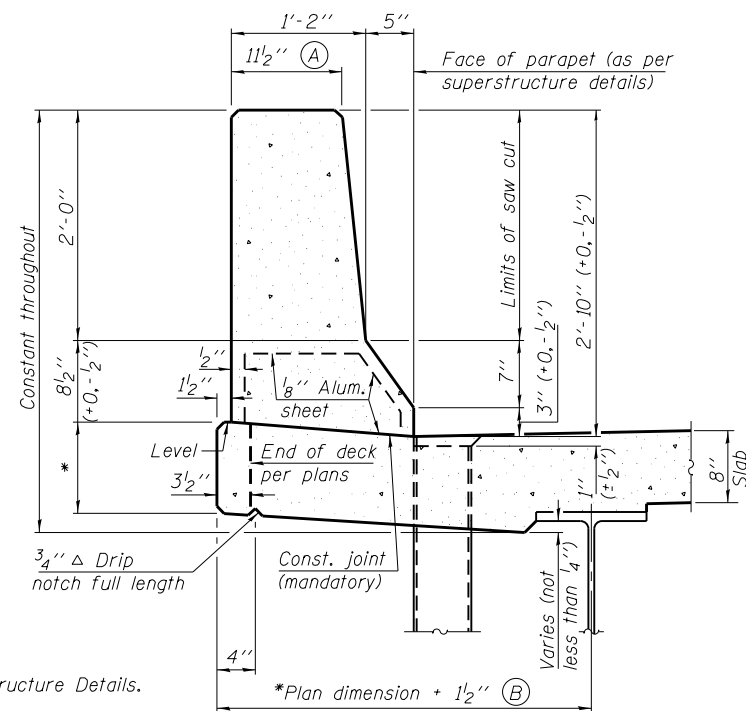
**DRAINAGE SCUPPER, DS-11
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

SHEET NO. 15 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	67
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				

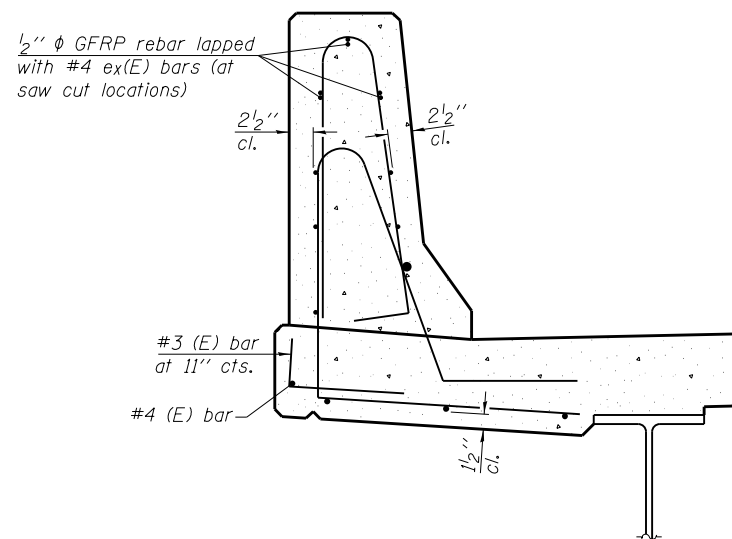
GENERAL NOTES

All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. for 34" parapet or = 0.0223 cu. yds./ft. for 42" parapet. Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler. Steel superstructure shown. Other superstructure types similar.



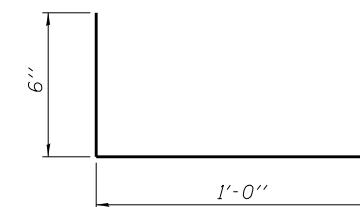
34" F SHAPE PARAPET SECTION
(Showing dimensions)

*See Superstructure Details.

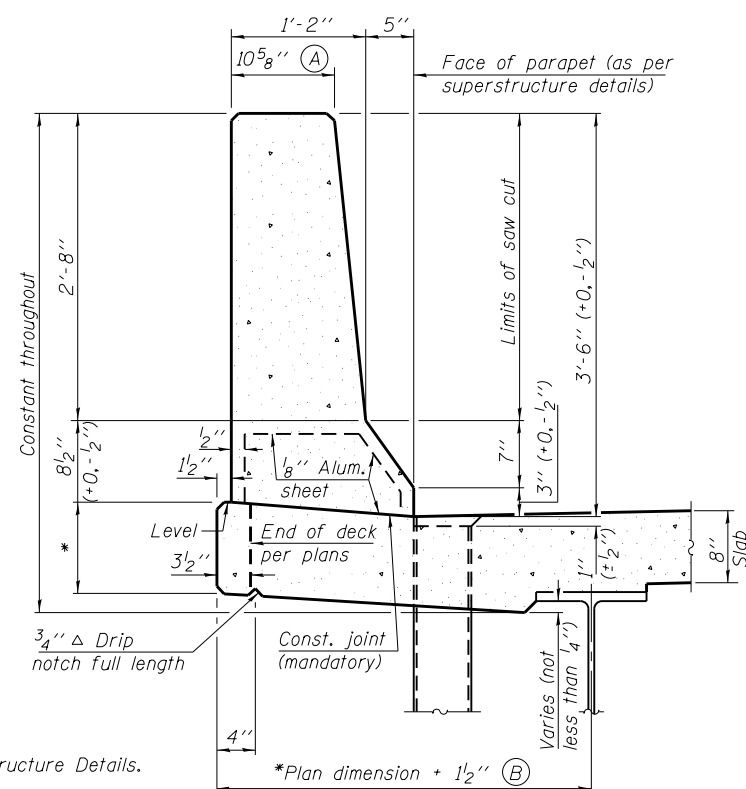


SECTION

(34" parapet shown - 42" parapet similar)
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

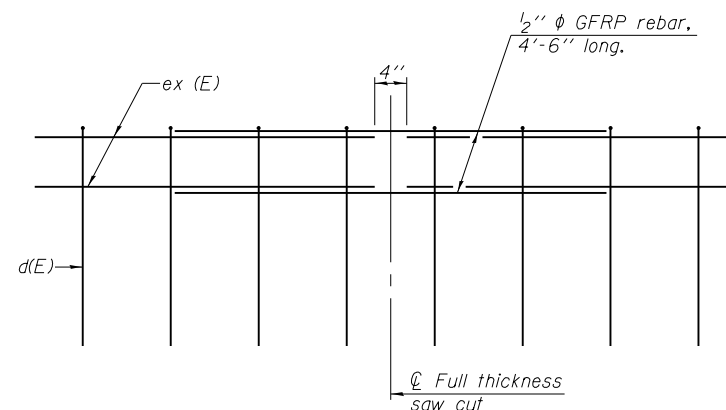


#3 (E) BAR



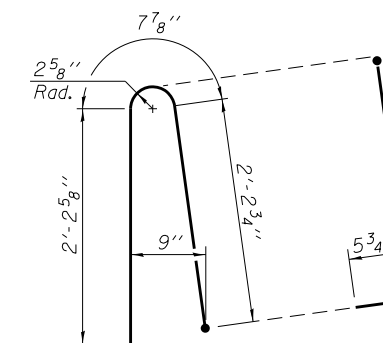
42" F SHAPE PARAPET SECTION
(Showing dimensions)

*See Superstructure Details.

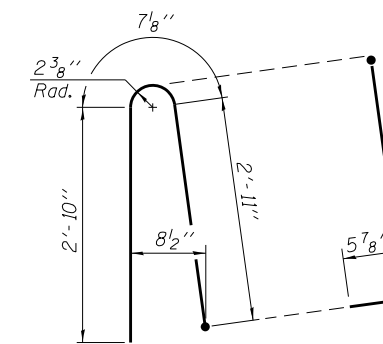


GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)



ALTERNATE BAR d(E)
(For 34" parapet when conduit is present)



ALTERNATE BAR d(E)
(For 42" parapet when conduit is present)

SFP 34-42

8-16-12



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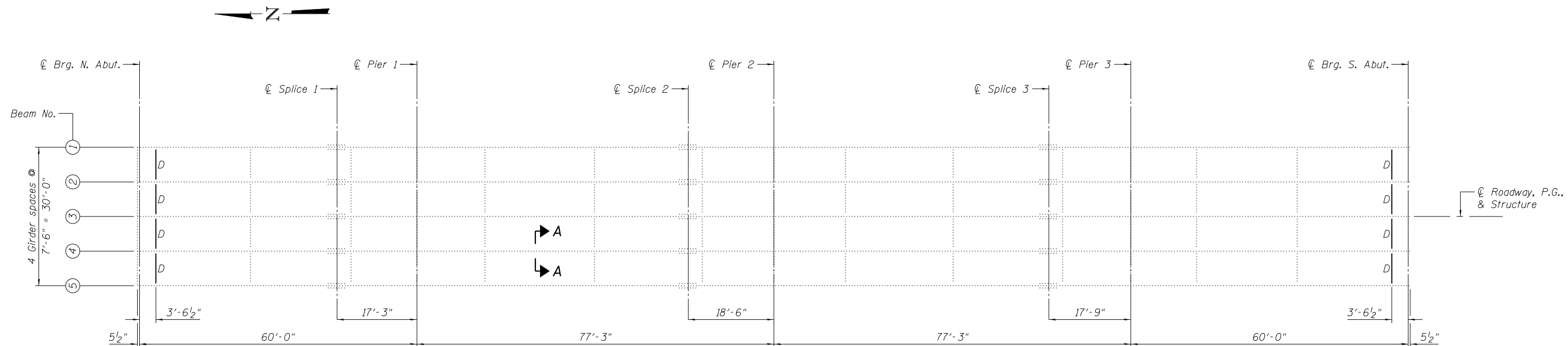
**CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

SHEET NO. 16 OF 20 SHEETS

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 68
CONTRACT NO. 76481				

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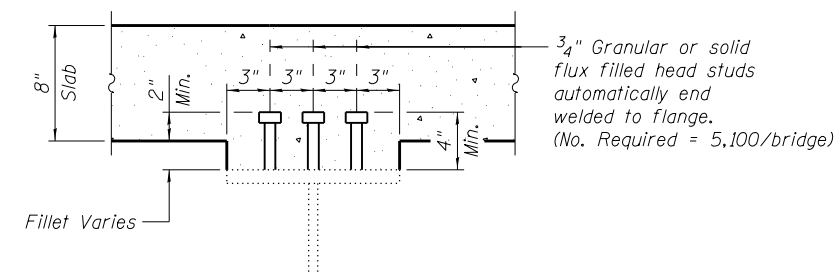
D-98-057-01



FRAMING PLAN

- I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total and Overload) 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 and Overload) 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 and Overload) due to long-term composite (superimposed) dead loads (in^4 and in^3).
- Z : Plastic Section Modulus of the steel section in non-composite areas. Omit line in Moment Table if not used in design calculations (in^3).
- Q : Un-factored non-composite dead load (kips/ft.).
- M_Q : Un-factored moment due to non-composite dead load (kip-ft.).
- s_Q : Un-factored long-term composite (superimposed) dead load (kips/ft.).
- $M_s Q$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_L : Un-factored live load moment (kip-ft.).
- M_I : Un-factored moment due to impact (kip-ft.).
- M_o : Factored design moment (kip-ft.).
 $1.3[M_Q + M_s Q + \frac{5}{3}(M_L + M_I)]$
- M_u : Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).
- $f_s(Overload)$: Sum of stresses as computed from the moments below (ksi).
 $M_Q + M_s Q + \frac{5}{3}(M_L + M_I)$
- $f_s(Total)$: Sum of stresses as computed from the moments below on non-compact section (ksi).
 $1.3[M_Q + M_s Q + \frac{5}{3}(M_L + M_I)]$
- VR : Maximum $L +$ impact shear range within the composite portion of the span for stud shear connector design (kips).

INTERIOR GIRDER REACTION TABLE				
		Abut.	Pier 1 or Pier 3	Pier 2
R_Q	(k)	56.6	98.1	100.1
R_L	(k)	42.0	51.2	53.0
R_I	(k)	15.5	17.8	17.4
$R(Total)$	(k)	114.1	167.1	170.5



SECTION A-A

INTERIOR GIRDER MOMENT TABLE					
		0.4 Span 1 or 0.6 Span 4	Pier 1 or Pier 3	0.5 Span 2 or 0.5 Span 3	Pier 2
I_s	(in^4)	9040	12684	9040	13626
$I_c(n)$	(in^4)	22034		22034	
$I_c(3n)$	(in^4)	16524		16524	
S_s	(in^3)	504	687	504	733
$S_c(n)$	(in^3)	700		700	
$S_c(3n)$	(in^3)	639		639	
Z	(in^3)		775.3		826.3
Q	(k/ft.)	1.121	1.526	1.121	1.536
M_Q	(k)	215.7	-615.5	217.6	-655.7
s_Q	(k/ft.)	0.368		0.368	
$M_s Q$	(k)	90.1		98.0	
M_L	(k)	415.8	-304.4	446.9	-335.0
M_I	(k)	154.0	-106.3	146.8	-110.0
$\frac{5}{3}(M_L + M_I)$	(k)	949.6	-684.5	989.4	-741.7
M_o	(k)	1632.0	-1690.0	1696.5	-1816.6
M_u	(k)	2858	-2326	2858	-2479
$f_s Q$ non-comp	(k.s.i.)	5.1	-10.7	5.2	-10.7
$f_s Q$ (comp)	(k.s.i.)	1.7		1.8	
$\frac{5}{3}(M_L + M_I)$	(k.s.i.)	16.3	-11.9	17.0	-12.1
$f_s(Overload)$	(k.s.i.)	23.1	-22.7	24.0	-22.9
$f_s(Total)$	(k.s.i.)				
VR	(k)	74.28		49.29	



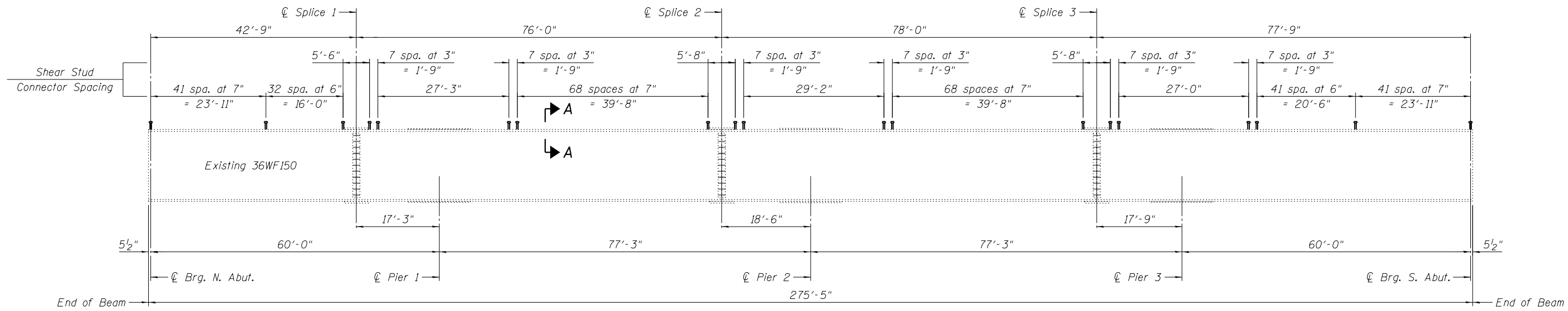
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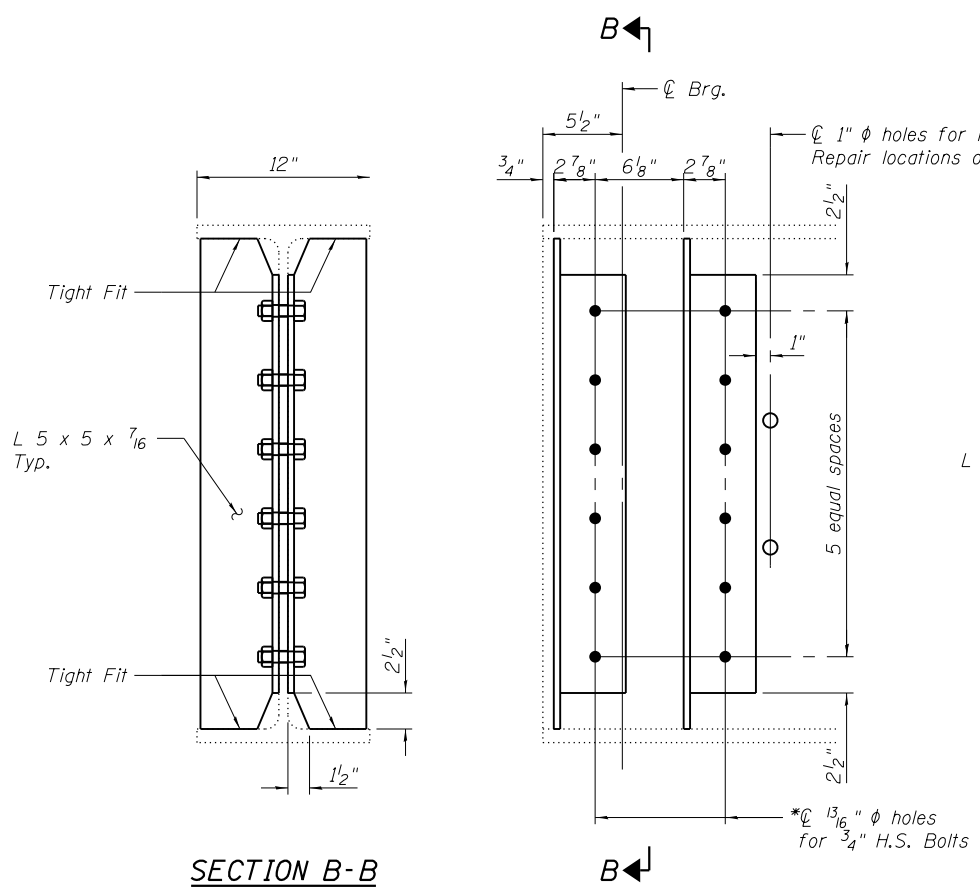
**FRAMING PLAN & DETAILS
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

SHEET NO. 17 OF 20 SHEETS

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 69
CONTRACT NO. 76481				
ILLINOIS FED. AID PROJECT				

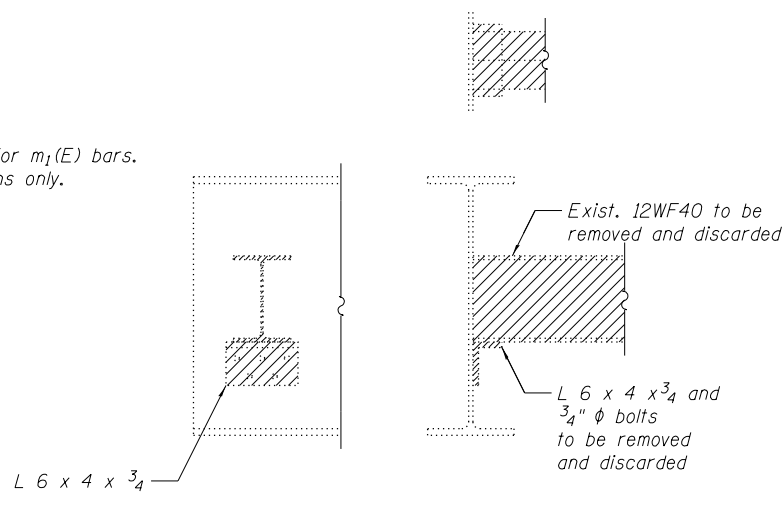


BEAM ELEVATION



SECTION B-B

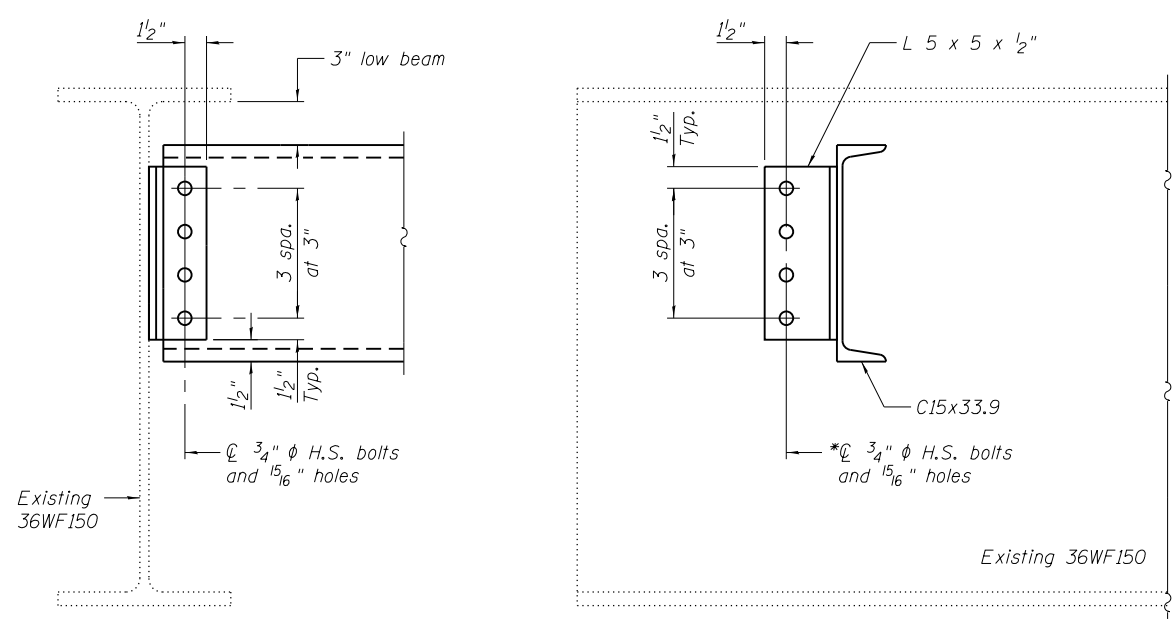
BEAM END REPAIR DETAILS
 N.B. Bridge - N. Abut. - Beams 3 & 4
 S. Abut. - Beams 3 & 4
 S.B. Bridge - N. Abut. - Beams 3 & 4
 S. Abut. - Beams 2 & 3



EXISTING END DIAPHRAGM REMOVAL DETAIL

Remove 8 Diaphragms and 16 Connection Angles per Bridge

Note:
 Steel repair work to be completed after deck removal and existing steel beam have been cleaned and painted.



NEW END DIAPHRAGM "D"

Notes:
 Two hardened washers required for each set of oversized holes. Install 8 End Diaphragms per Bridge at locations indicated on Sheet 17 of 20. See sheet 17 to 20 for Section A-A.

BILL OF MATERIAL (1 BRIDGE)

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	2,900
Structural Steel Removal	Pound	2,810
Stud Shear Connectors	Each	5,100



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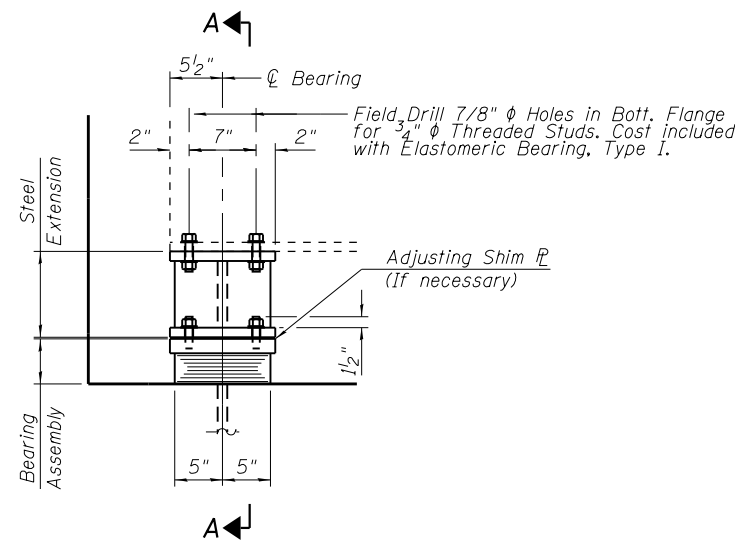
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL DETAILS
 STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 70
CONTRACT NO. 76481				

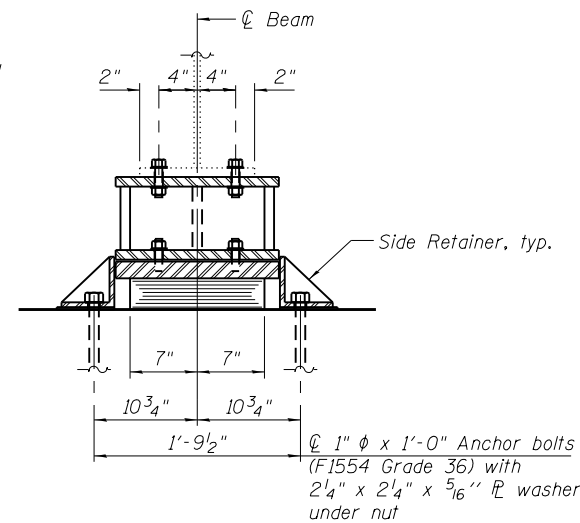
SHEET NO. 18 OF 20 SHEETS

ILLINOIS FED. AID PROJECT

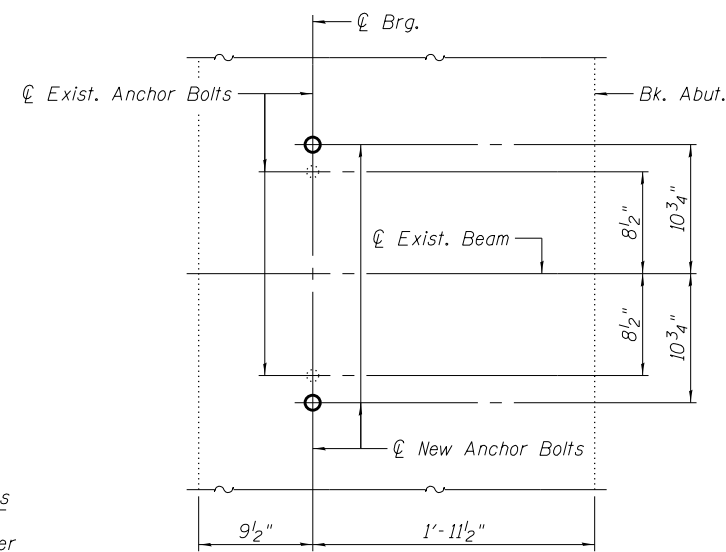


ELEVATION AT ABUT.

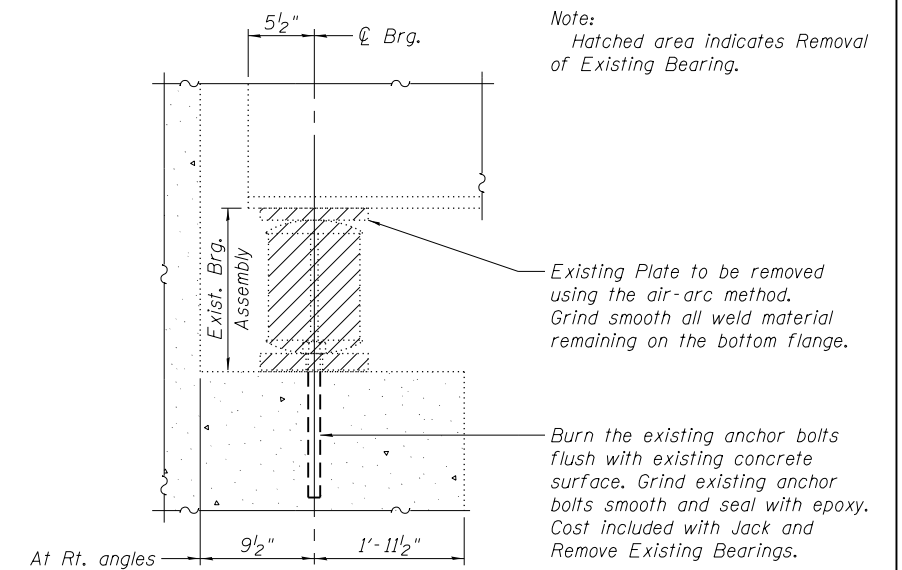
TYPE I ELASTOMERIC EXP. BRG.



SECTION A-A

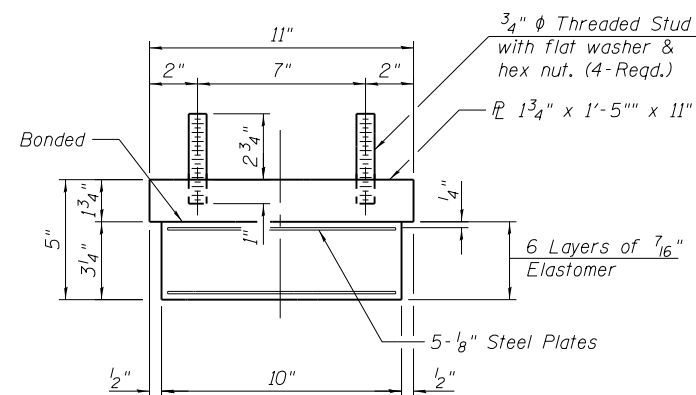


A.B. LOCATION PLAN



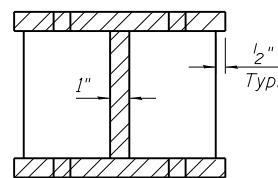
JACK AND REMOVE EXISTING BEARINGS PROCEDURE

1. The Contractor shall submit for approval by the Engineer, plans for jacking prior to commencing any work at the bearings.
2. Jacking and removing existing bearings shall be done after existing deck removal is completed and prior to pouring of new deck.
3. The maximum Dead Load Reaction with deck removed (per bearing) at each abutment is 5 kips. Minimum jack capacity is 10 kips (5 ton).
4. The new bearings shall be in place and the jacks shall be lowered prior to forming and pouring the new deck.

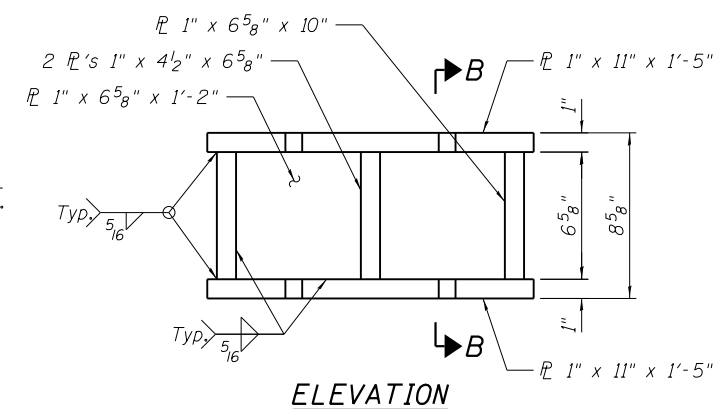


BEARING ASSEMBLY

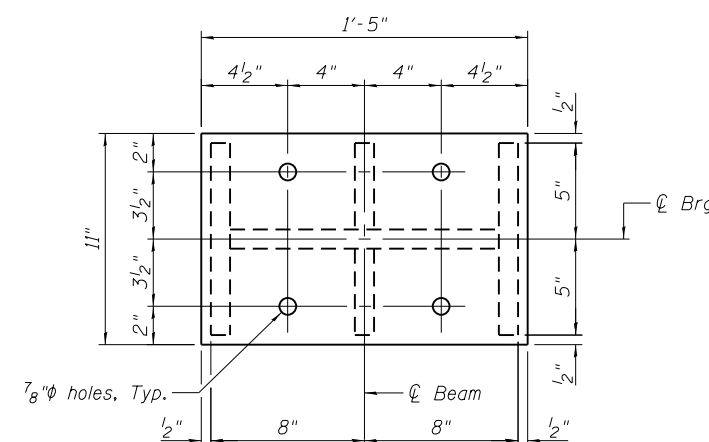
Note:
Shim plates shall not be placed under Bearing Assembly.



SECTION B-B



ELEVATION



PLAN

STEEL EXTENSIONS AT ABUTMENTS

Cost included with Furnishing and Erecting Structural Steel.

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, except steel extensions, shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
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.
Two 1/8 inch adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
Shim plates to be included in the cost of Elastomeric Bearing Assembly Type I.

BILL OF MATERIAL - (1 BRIDGE)

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	10
Anchor Bolts	Each	20
Jack and Remove Existing Bearings	Each	10
Furnishing and Erecting Structural Steel	Pound	1,900



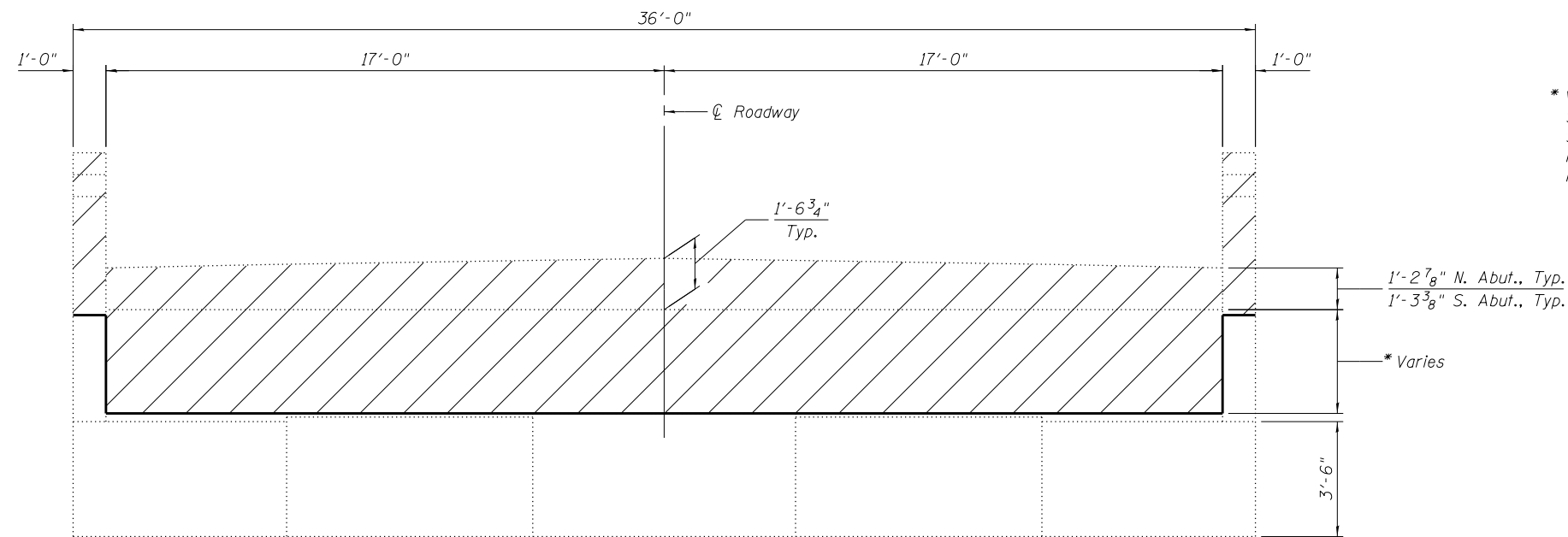
USER NAME = mjreker	DESIGNED - SDY	REVISED -
PLOT DATE = 4/25/2016	CHECKED - DJG	REVISED -
PLOT TIME = 10:02:43 AM	DRAWN - MJR	REVISED -
	CHECKED - SDY	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BEARING DETAILS
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

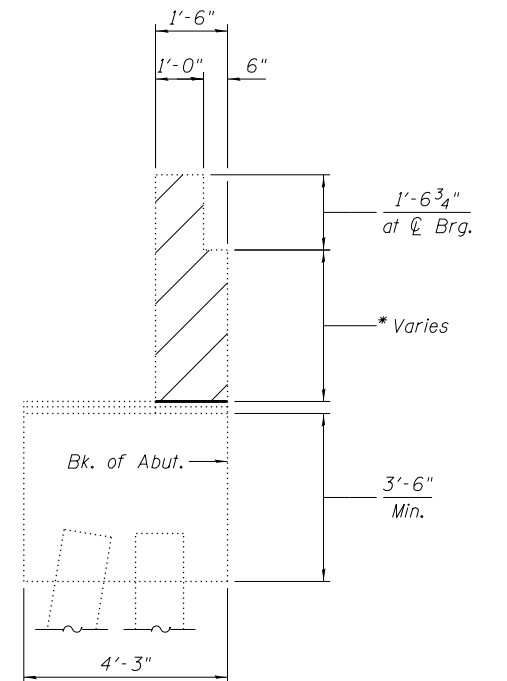
SHEET NO. 19 OF 20 SHEETS

F.A.U. RTE. 8885	SECTION 1BR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 71
ILLINOIS FED. AID PROJECT				CONTRACT NO. 76481

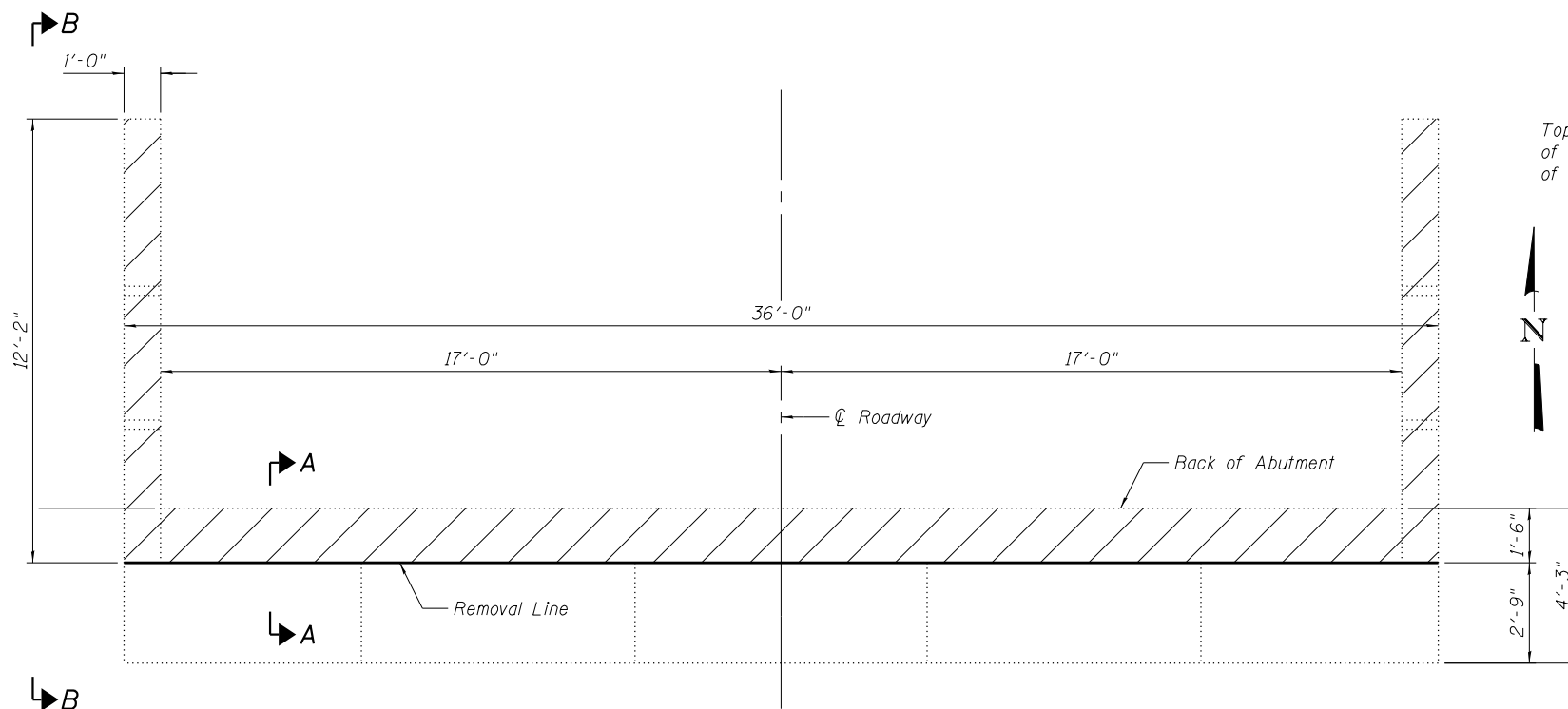


ELEVATION OF NORTH ABUTMENT
(Looking North, South Abutment Similar)

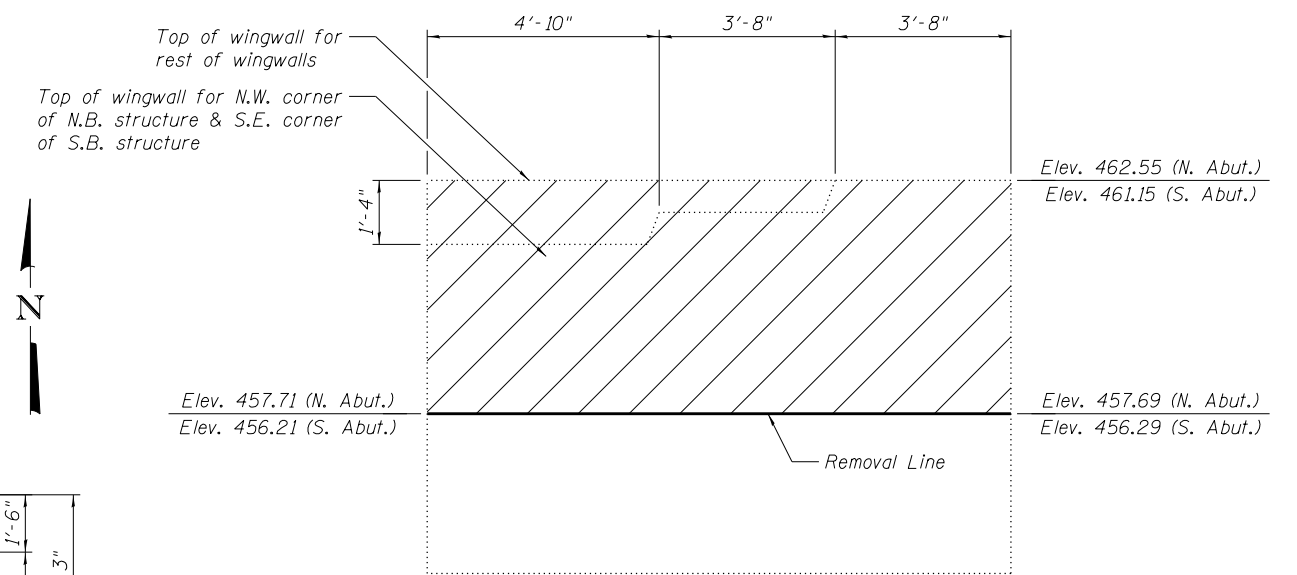
* Variable Dimension Range
 SB Bridge - North Abut. = 3'-3 3/4"
 SB Bridge - South Abut. = 3'-4"
 NB Bridge - North Abut. = 3'-2 3/4"
 NB Bridge - South Abut. = 3'-3"



SECTION A-A



PLAN OF NORTH ABUTMENT
(South Abutment Similar)



SECTION B-B

Note:
 Hatched area indicates Concrete Removal.
 Remove existing backwall down to elevation of top bridge seat.

BILL OF MATERIAL (1 BRIDGE)

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	24.5



USER NAME = mjreker	DESIGNED - SDY	REVISED -
PLOT DATE = 4/25/2016	CHECKED - DJG	REVISED -
PLOT TIME = 10:02:50 AM	DRAWN - MJR	REVISED -
	CHECKED - SDY	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONCRETE REMOVAL
 STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141**

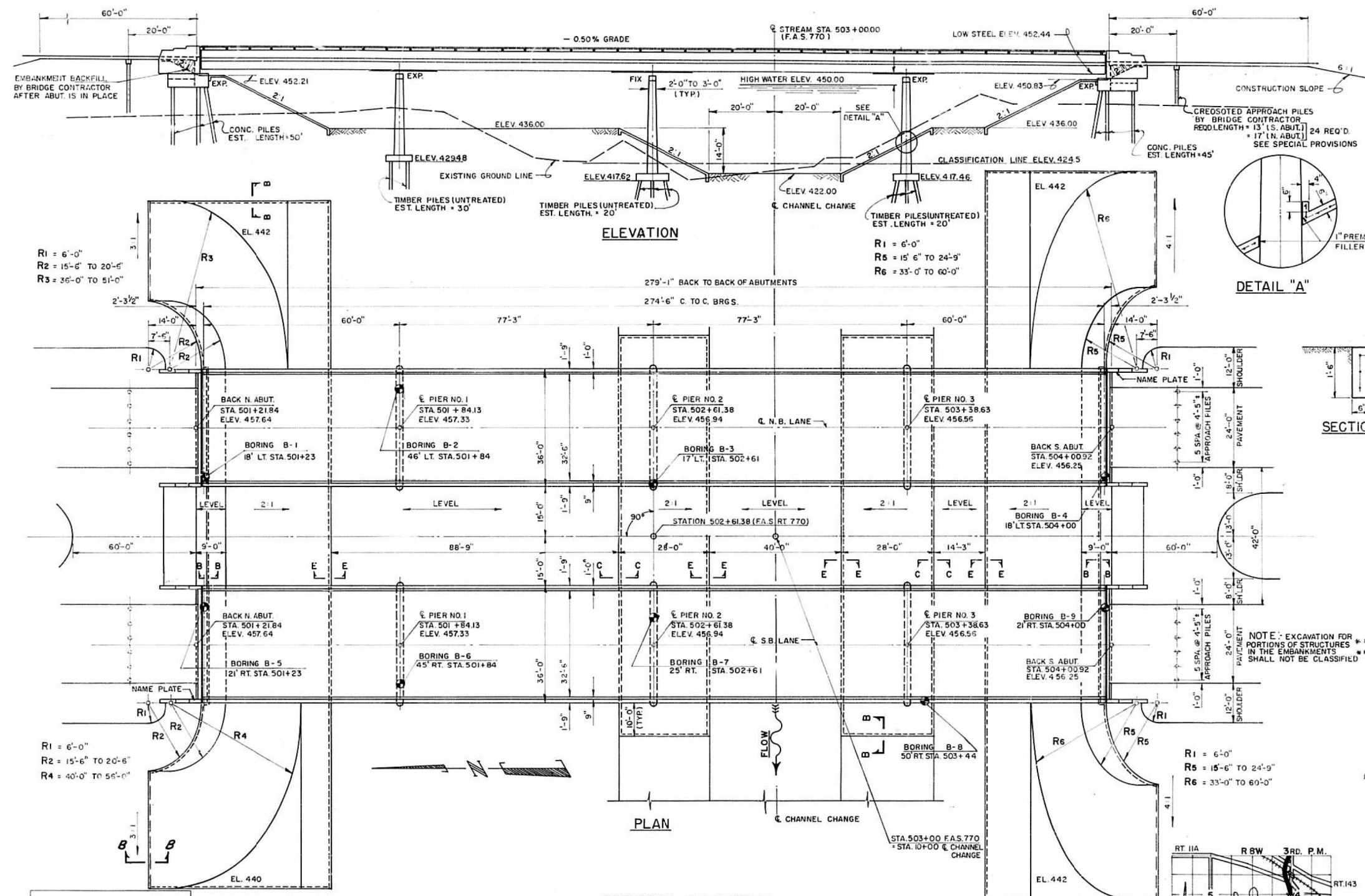
SHEET NO. 20 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	72
CONTRACT NO. 76481				

ILLINOIS FED. AID PROJECT

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
F.A.S. 770	1-B	MADISON	23	4	13 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



DESIGNED	J.G.	EXAMINED	19
CHECKED	G.P.	PASSED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN	B.B.	APPROVED	ENGINEER OF DESIGN
CHECKED	G.P.		CHIEF HIGHWAY ENGINEER

WATERWAY INFORMATION

DRAINAGE AREA	218 SQ. MILES
CHARACTER	HILLY, SAND
	WOODED & CULTIVATED
REQ'D. OPENING	4,000 SQ. FT.
PRESENT OPENING	2,060 SQ. FT.
PROPOSED OPENING	4,000 SQ. FT.
ORDINARY WATER ELEV.	424.00
LOW WATER ELEV.	423.50

NOTE:
TRANSITION FROM A 2:1 SLOPE UNDER BRIDGE TO A 3:1 SLOPE AT SHOULDERS AT THE NORTH END OF BRIDGE. AT THE SOUTH END OF BRIDGE, TRANSITION IS FROM 2:1 SLOPE UNDER BRIDGE TO A 4:1 SLOPE AT SHOULDERS.

GENERAL NOTES

CLASS X CONCRETE SHALL BE USED THROUGHOUT, EXCEPT AT PIERS WHERE CLASS A CONCRETE SHALL BE USED.

COARSE AGGREGATE TO BE USED IN PARAPET HANDRAILS AND END POSTS MUST BE FREE OF CHERT, FLINT, LIMONITE, LIGHTWEIGHT AND SOFT SANDSTONE.

THE CONCRETE FLOOR SLAB SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 51.9 OF THE STANDARD SPECIFICATIONS.

SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC 6" X 6" MESH, WEIGHING 58 LBS. PER 100 SQ. FT.

LAYOUT OF SLOPE WALLS MAY BE VARIED TO SUIT GROUND CONDITIONS IN THE FIELD AS DIRECTED BY THE ENGINEER.

ALL REINFORCEMENT BARS SHALL BE LAPPED A MINIMUM OF 20 DIAMETERS UNLESS OTHERWISE SHOWN.

ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION A-36.

ALL BOLSTERS, ROCKERS, SHIM PLATES, PINTLES AND ANCHOR BOLTS SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLE 51.9 OF STANDARD SPECIFICATIONS.

ANCHOR BOLTS SHALL BE SET BEFORE RIVETING DIAPHRAGMS OVER SUPPORTS.

EXPANSION GUARDS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ARTICLE 51.13 (4) OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED IN QUANTITY OF STRUCTURAL STEEL. ESTIMATED WEIGHT 3,612 LBS.

EXCEPT AS OTHERWISE PROVIDED, ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. SEE ARTICLES 51.6 TO 51.6.5 INCLUSIVE OF THE STANDARD SPECIFICATIONS.

THE EXPOSED SURFACES OF THE EXPANSION GUARD SHALL BE GIVEN TWO SHOP COATS OF RED LEAD PAINT. THE CONTACT SURFACES SHALL BE GIVEN ONE SHOP COAT OF RED LEAD PAINT. ANCHOR STUDS SHALL NOT BE PAINTED.

EXCAVATION FOR PORTIONS OF STRUCTURES IN THE EMBANKMENTS SHALL NOT BE CLASSIFIED.

THE CONTRACTOR SHALL DRIVE FOUR (4) TEST PILES AS DIRECTED BY THE ENGINEER. TWO (2) TIMBER TEST PILES SHALL BE DRIVEN NEAR THE PIERS BEFORE ORDERING THE REMAINDER OF THE TIMBER PILES. TWO (2) CONCRETE TEST PILES SHALL BE DRIVEN IN PERMANENT LOCATIONS BEFORE CASTING OR ORDERING THE REMAINDER OF THE CONCRETE PILES.

MATERIAL FOR EMBANKMENTS TO BE OBTAINED FROM CHANNEL EXCAVATION AND BORROW. BORROW TO BE FURNISHED BY BRIDGE CONTRACTOR.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER.	SUB.	TOTAL
FURNISHING & ERECTING STRUCTURAL STEEL	LBS.	507,210		507,210
CLASS "A" EXCAVATION FOR STRUCTURES	CU YDS.		92.8	92.8
CLASS "B" EXCAVATION FOR STRUCTURES	CU YDS.		6.18	6.18
CLASS "X" CONCRETE	CU YDS.	570.2	146.6	716.8
CLASS "A" CONCRETE	CU YDS.		758.2	758.2
REINFORCEMENT STEEL	LBS.	173,260	45,560	218,820
SLOPEWALL 6"	SQ YDS.		3210	3210
CONCRETE PILES	LN. FT.		1615	1615
TEST PILES (CONCRETE)	EA.		2	2
UNTREATED PILES (TIMBER)	LN. FT.		4560	4560
TEST PILES (UNTREATED TIMBER)	EA.		2	2
ALUMINUM HANDRAIL	LN. FT.	1103		1103
PROTECTIVE COAT	SQ YDS.	1979		1979
BRIDGE SEAT SEALANT	LUMPSUM			1
METAL PILE SHOES	EA.		72	72
NAME PLATES	EA.	2		2
CREOSOTED PILES (UP TO 20')	LN. FT.		360	360

DESIGN STRESSES

fc = 1,400 p.s.i. SUPER & SUB.
vc = 75 p.s.i. FOOTINGS
fs = 20,000 p.s.i. REINFORCEMENT
fs = 20,000 p.s.i. STRUCTURAL STEEL
n = 10

PROFILE F.A.S. RTE. 770



LOADING HS 20-44
ALLOWABLE LIVE LOAD DEFLECTION:
SPAN / 1000
Non-Composite

GENERAL PLAN & ELEVATION
F.A.S. RTE. 770 SECTION 1-B
TO S.I.U. CAMPUS
OVER CAHOKIA CREEK
MADISON COUNTY
STATION 502 + 61.38



USER NAME =	mjraker	DESIGNED -	SDY	REVISED -	
PLOT DATE =	4/25/2016	CHECKED -	DJG	REVISED -	
PLOT TIME =	11:58:53 AM	DRAWN -	MJR	REVISED -	
		CHECKED -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

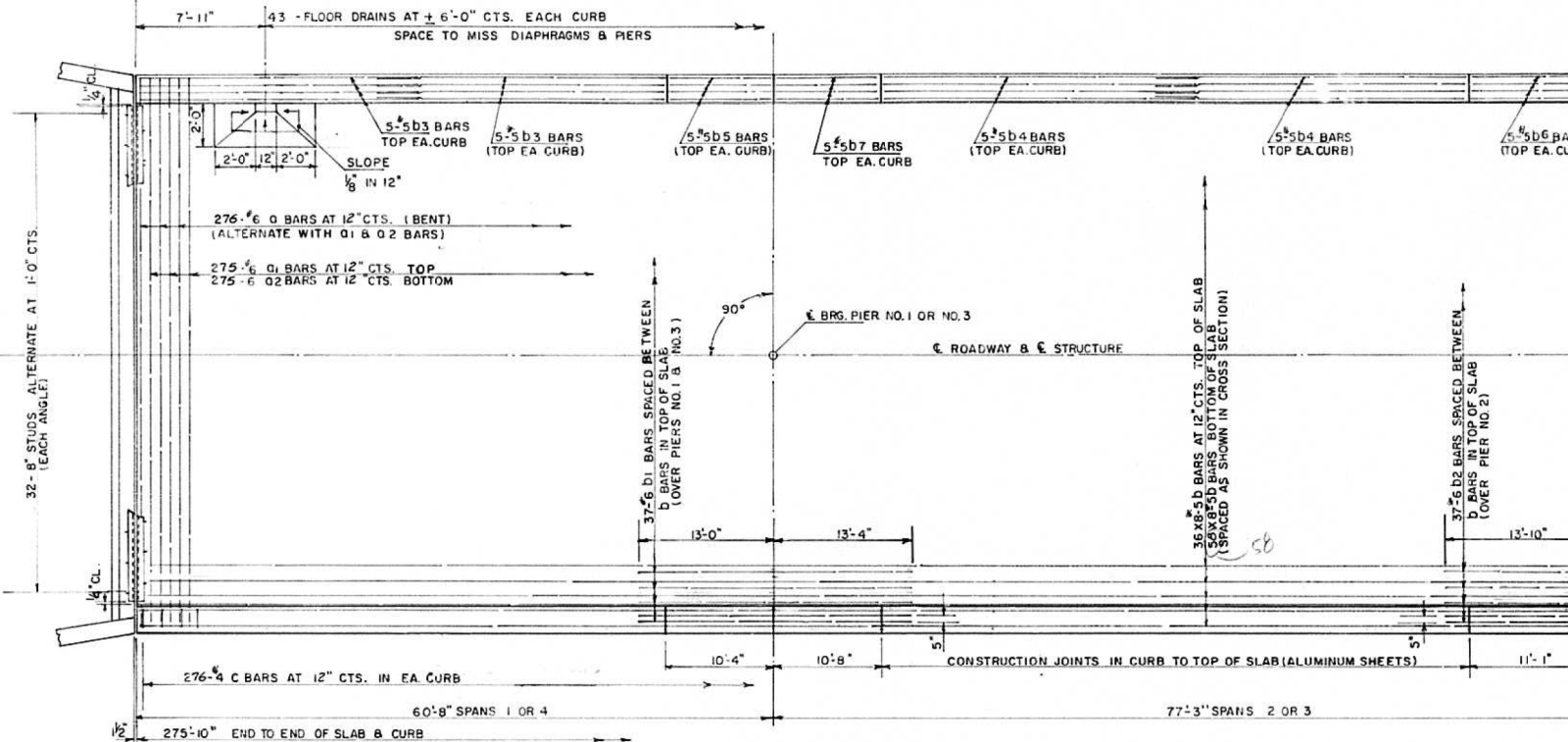
SHEET NO. 01 OF 07 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	73
				CONTRACT NO. 76481
ILLINOIS FED. AID PROJECT				

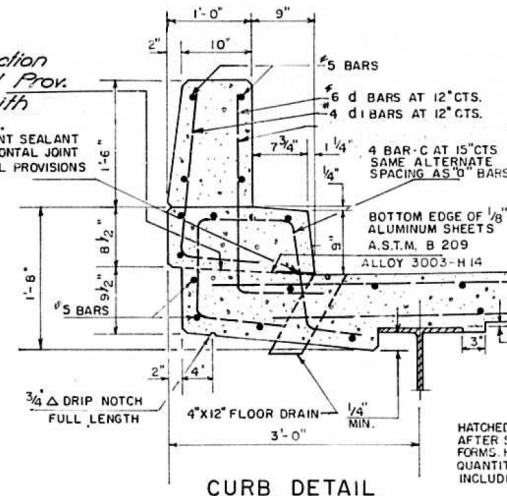
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
FAS 770	1-B	MADISON	28	5	13 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

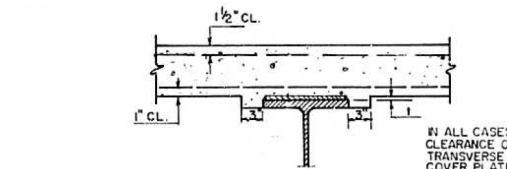


HALF PLAN



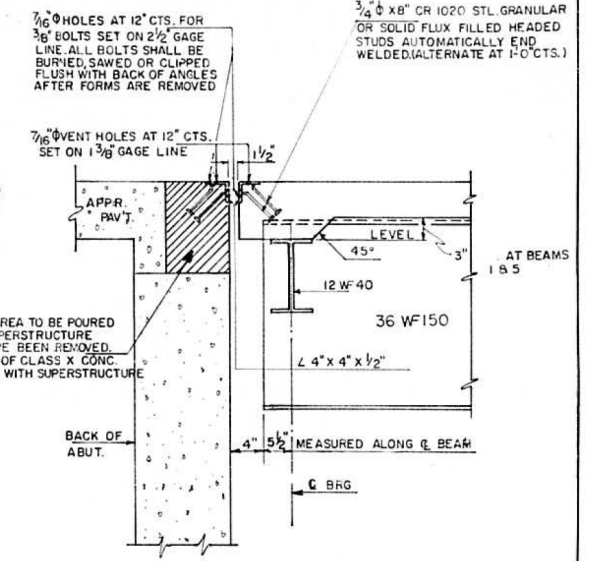
CURB DETAIL

COST OF ALUMINUM DRAINS & SHEETS SHALL BE INCIDENTAL TO CLASS 'X' CONCRETE.

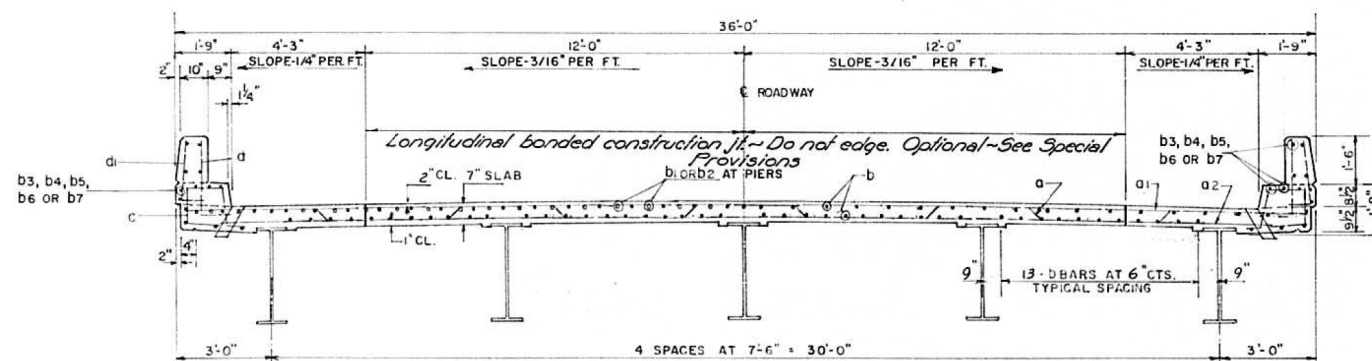


STANDARD FILLET DETAIL

TO DETERMINE '1' AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT INTERVALS SHOWN ON SHEET 9 THESE ELEVATIONS SUBTRACTED FROM THE 'GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS' SHOWN ON SHEET 10, MINUS SLAB THICKNESS, EQUALS THE FILLET '1' ABOVE TOP OF BEAMS.

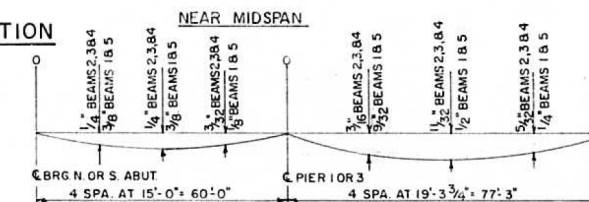


SECTION A-A



NEAR PIERS

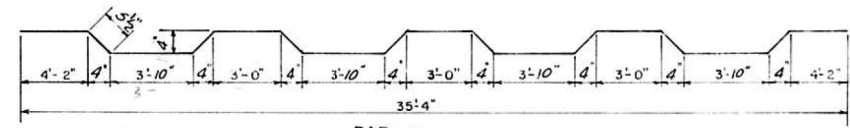
CROSS SECTION



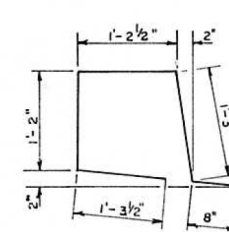
NEAR MIDSPAN

DEAD LOAD DEFLECTION DIAGRAM

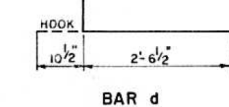
(INCLUDES WEIGHT OF CONCRETE ONLY)
NOTE: THE ABOVE DEFLECTIONS ARE NOT TO BE USED IN THE FIELD IF THE ENGINEER IS WORKING FROM THE GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS AS SHOWN ON SHEET 9



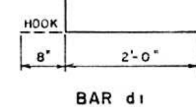
BAR a



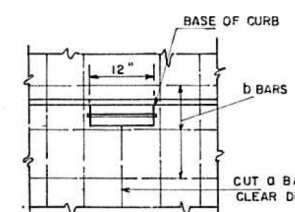
BAR c



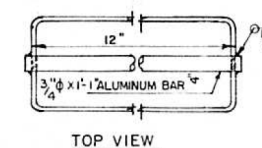
BAR d



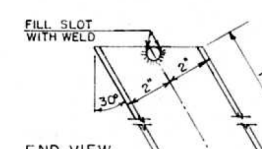
BAR d1



TYPICAL DETAIL AT DRAIN



TOP VIEW



DETAIL OF FLOOR DRAIN

2-BRIDGES
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a	552	#6	36'-4"	
o1	550	#6	35'-4"	
o2	551	#6	33'-4"	
b	1504	#5	35'-4"	
b1	148	#6	26'-4"	
d2	74	#6	27'-8"	
d3	80	#6	25'-8"	
b4	80	#5	28'-3"	
b5	40	#5	10'-0"	
b6	40	#5	10'-9"	
b7	40	5	10'-4"	
c	1104	#4	5'-7"	
d	1104	#6	3'-5"	
d1	1104	#4	2'-8"	
		REINFORCEMENT BARS	LBS.	168,760
		STRUCTURAL STEEL	LBS.	507,210
		CLASS 'X' CONCRETE	CU.YDS.	514

WEIGHT OF BEARING ASSEMBLIES WITH LEAD PLATES AND ANCHOR BOLTS ARE INCLUDED AS STRUCTURAL STEEL.
EST. WEIGHT = 14,870 LBS.

THE LENGTHS & QUANTITIES OF LONGITUDINAL REINFORCEMENT AND CLASS 'X' CONCRETE IN PARAPET ARE NOT INCLUDED IN THE ABOVE QUANTITIES. SEE SHEET NO. 4

SUPERSTRUCTURE
F.A.S. RTE. 770 SECTION 1-B
TO S.I.U. CAMPUS
OVER CAHOKIA CREEK
MADISON COUNTY
STATION 502 + 6138

DESIGNED	J.G.	19
CHECKED	G.P.	
DRAWN	J.E.	
CHECKED	G.P.	
EXAMINED		ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED		ENGINEER OF DESIGN
APPROVED		CHIEF HIGHWAY ENGINEER



USER NAME =	mjraker	DESIGNED -	SDY	REVISED -	
PLOT DATE =	4/25/2016	CHECKED -	DJG	REVISED -	
PLOT TIME =	11:59:09 AM	DRAWN -	MJR	REVISED -	
		CHECKED -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141
SHEET NO. 02 OF 07 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	74
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 OF 3 SHEETS
F.A.S. 770	I-B	MADISON	28	6	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

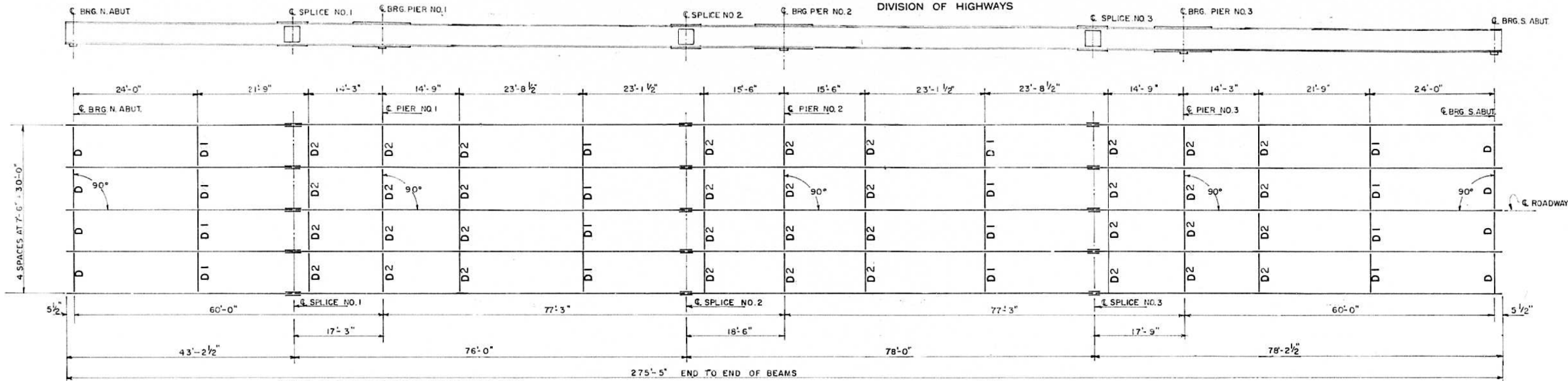
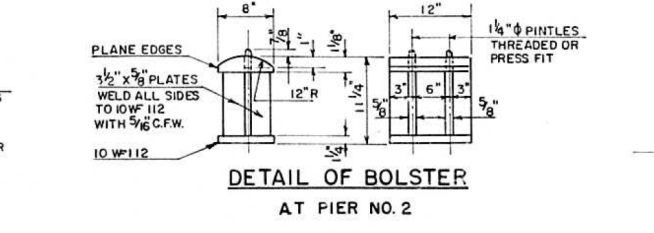
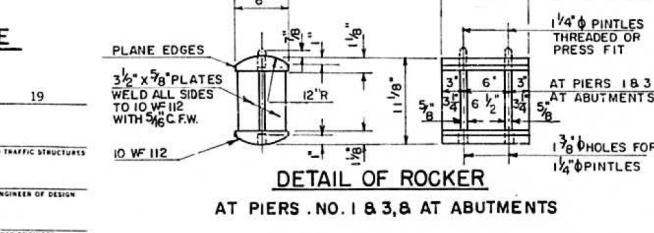
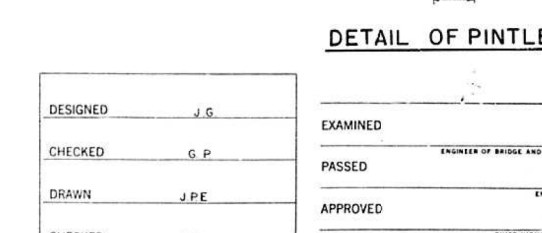
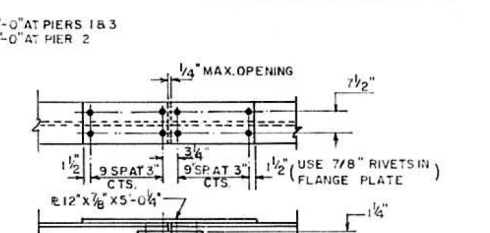
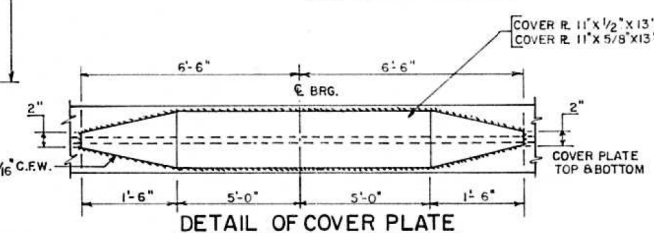
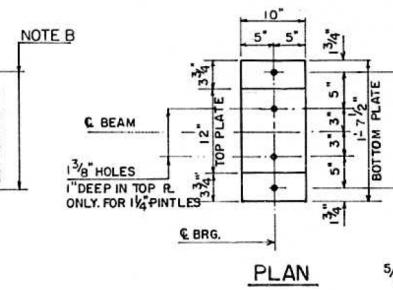
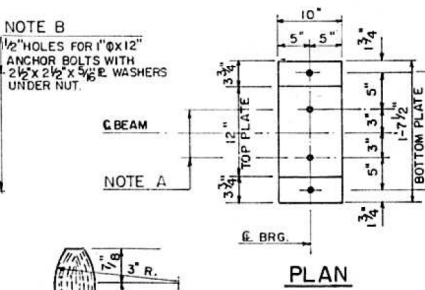
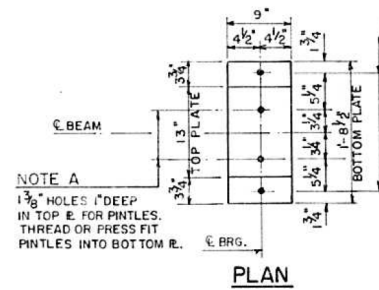
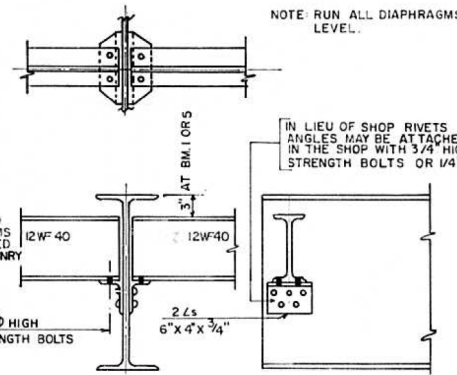
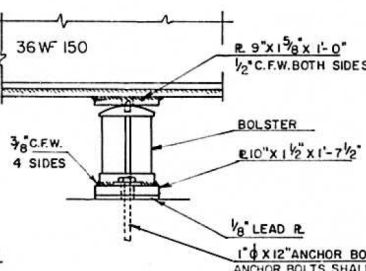
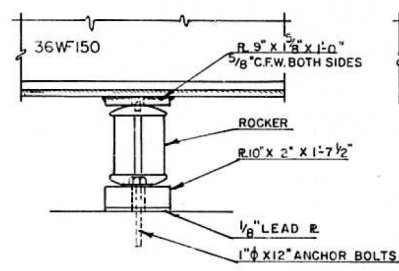
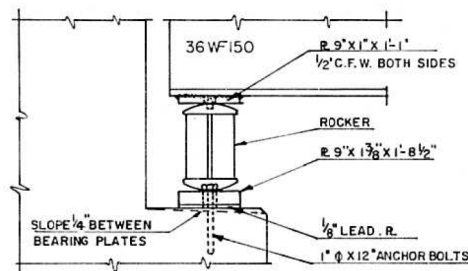


TABLE OF MOMENTS & REACTIONS - INTERIOR BEAMS							
	MOMENTS				REACTIONS		
	4 SP. 1	PIER NO. 1	5 SP. 2	PIER NO. 2	ABUT. 1	PIER NO. 1	PIER NO. 2
DEAD LOAD	240.1	551.1	231.1	578.4	22.8	82.1	83.1
LIVE LOAD	433.9	440.2	445.2	477.1	39.7	54.6	56.3
IMPACT	117.1	113.6	110.0	117.8	10.7	14.1	13.9
TOTAL	791.1	1104.9	786.3	1173.3	73.2	150.8	153.3

(STRUCTURE SYMM. ABOUT C. PIER NO. 2)



DESIGNED	J. G.
CHECKED	G. P.
DRAWN	J. P. E.
CHECKED	G. P.

EXAMINED	19
PASSED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
APPROVED	ENGINEER OF DESIGN
	CHIEF HIGHWAY ENGINEER

LOCATION	*ELEVATION TOP FLANGE OF BEAMS		
	BEAMS 1 & 5	BEAMS 2 & 4	BEAM 3
C. BRG. N. ABUT.	456.80	456.93	457.05
C. SPLICE NO. 1	456.58	456.72	456.83
C. PIER NO. 1	456.50	456.63	456.75
C. SPLICE NO. 2	456.20	456.34	456.45
C. PIER NO. 2	456.11	456.24	456.36
C. SPLICE NO. 3	455.81	455.95	456.06
C. PIER NO. 3	455.72	455.86	455.97
C. BRG. S. ABUT.	455.42	455.56	455.67

* SPLICE 2, 3 & COVER R. S. NOT INCLUDED IN THESE ELEVATIONS.

STRUCTURAL DETAILS
F.A.S. RTE 770 SECTION I-B
TO S.I.U. CAMPUS
OVER CAHOKIA CREEK
MADISON COUNTY
STATION 502 + 61.38



USER NAME =	mjraker	DESIGNED -	SDY	REVISED -	
PLOT DATE =	4/25/2016	CHECKED -	DJG	REVISED -	
PLOT TIME =	11:59:23 AM	DRAWN -	MJR	REVISED -	
		CHECKED -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

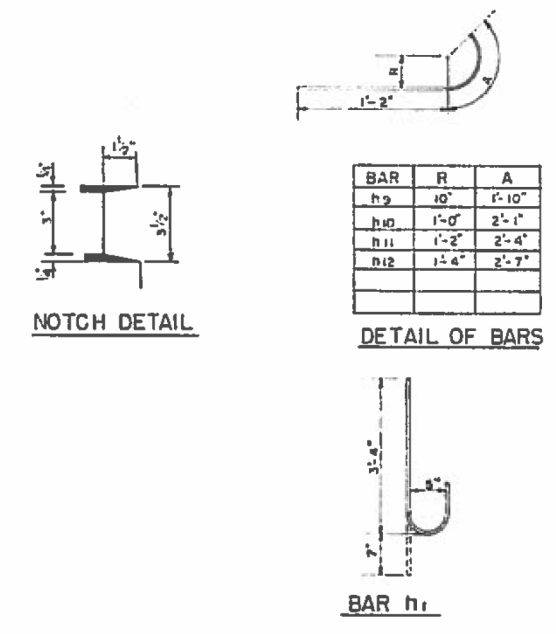
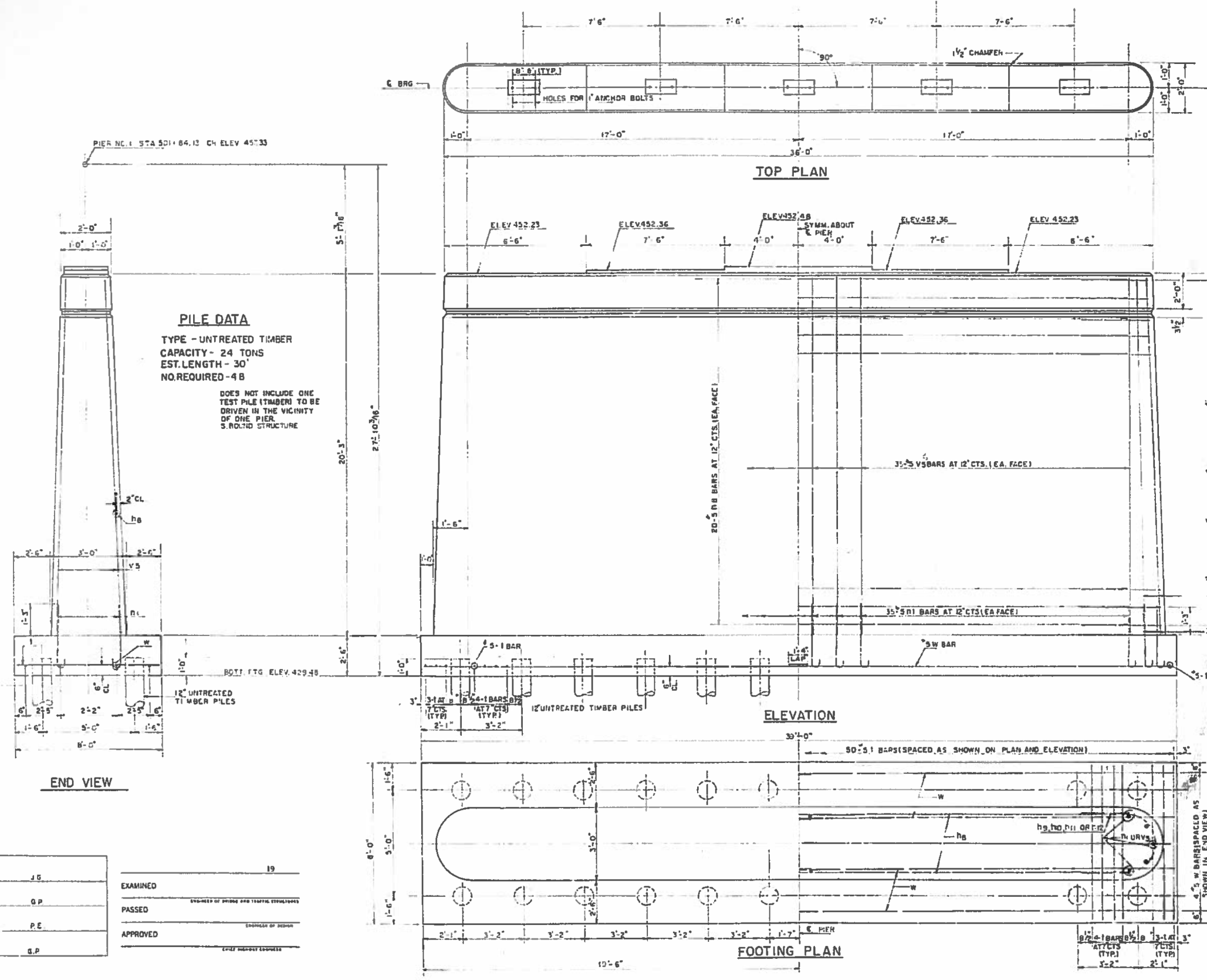
EXISTING PLAN
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	75
CONTRACT NO. 76481				

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA S 770	1-B	MADISON	28	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET 1 OF 2
13 SHEETS



2- PIERS
BILL OF MATERIALS

BAR	NO	SIZE	LENGTH	SHAPE
h9	80	#5	34'-0"	—
h9	40	#5	3'-0"	—
h10	40	#5	5'-5"	—
h11	48	#5	5'-6"	—
h12	32	#5	5'-9"	—
h1	122	#5	3'-11"	—
v5	152	#5	20'-0"	—
t	100	#5	7'-0"	—
w	16	#5	20'-0"	—

CLASS A CONCRETE	CUB. YDS.	193.1
REINFORCEMENT BARS	LBS	8,320
TIMBER PILES	LN. FT.	1,440
TEST PILES (TIMBER)	EA	1

NOTES:
MIN. BAR LAP = 20 DIA
UNLESS NOTED
POUR STEPS MONOLITHICALLY
WITH CAP.

PIER NO. IN 8S BOUND DETAILS
F.A.S. RTE. 770 SECTION 1-B
TO S.I.U. CAMPUS
OVER CAHOKIA CREEK
MADISON COUNTY
STATION 502 + 61.38

DESIGNED	J.G.	EXAMINED	19
CHECKED	G.P.	PASSED	ENGINEER OF PUBLIC AND TRAFFIC STRUCTURES
DRAWN	P.E.	APPROVED	ENGINEER OF DESIGN
CHECKED	G.P.		CHIEF ENGINEER



USER NAME =	mjraker	DESIGNED -	SDY	REVISED -	
PLOT DATE =	4/25/2016	CHECKED -	DJG	REVISED -	
PLOT TIME =	11:59:51 AM	DRAWN -	MJR	REVISED -	
		CHECKED -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

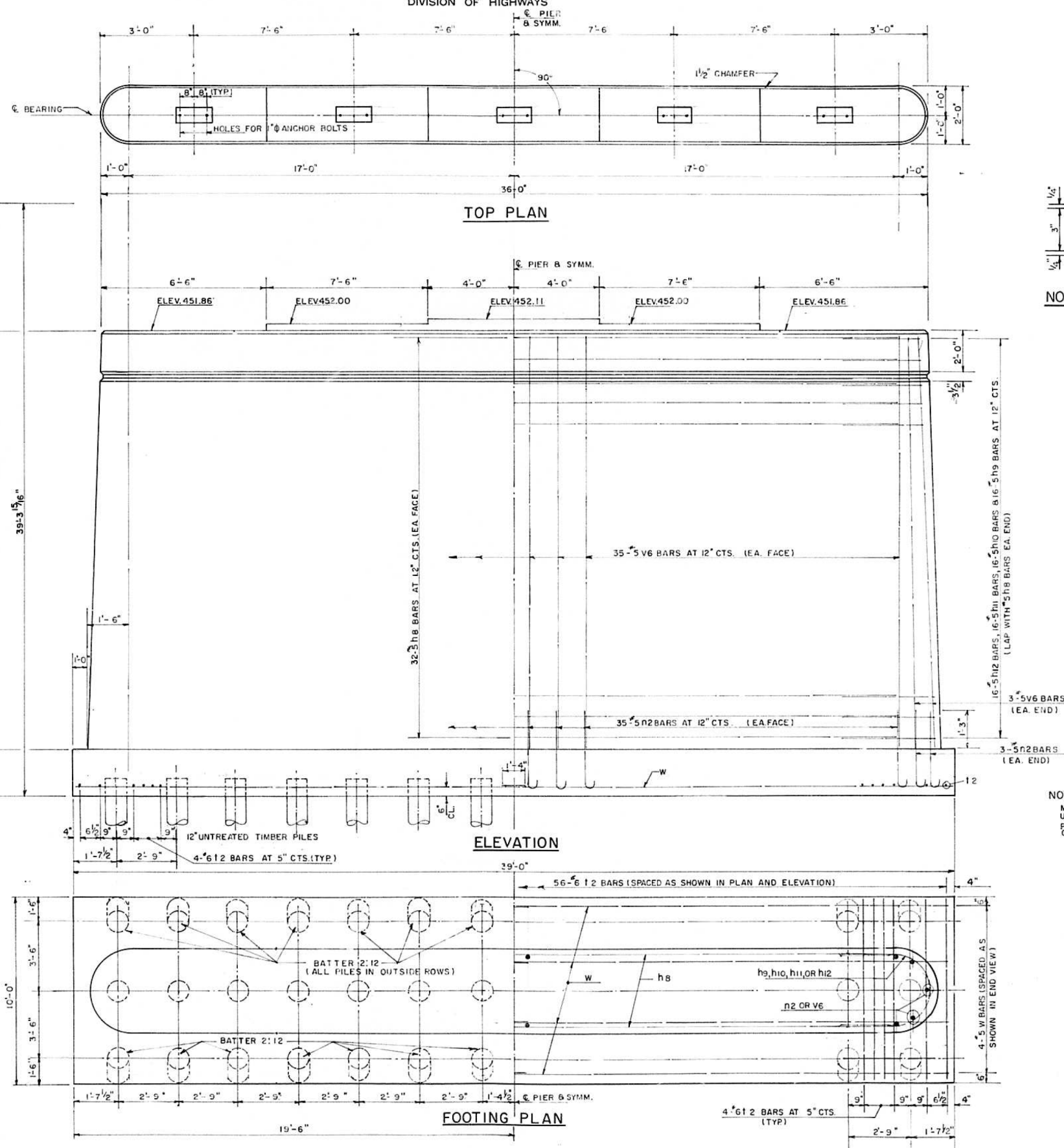
SHEET NO. 05 OF 07 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	77
				CONTRACT NO. 76481

ILLINOIS FED. AID PROJECT

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

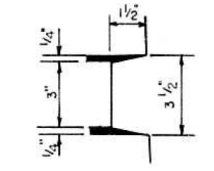
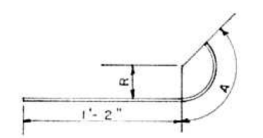
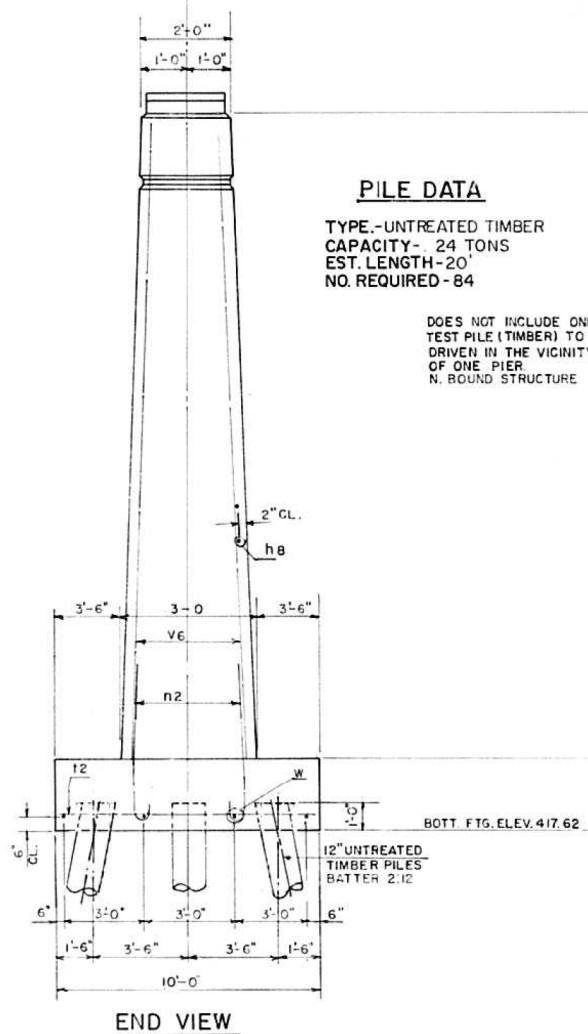
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 13 SHEETS
F.A.S. 770	I-B	MADISON	28	10	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



PILE DATA

TYPE - UNTREATED TIMBER
CAPACITY - 24 TONS
EST. LENGTH - 20'
NO. REQUIRED - 84

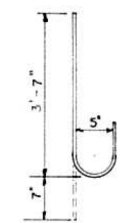
DOES NOT INCLUDE ONE TEST PILE (TIMBER) TO BE DRIVEN IN THE VICINITY OF ONE PIER N. BOUND STRUCTURE



NOTCH DETAIL

BAR	R	A
h9	10"	1'-10"
h10	1'-0"	2'-1"
h11	1'-2"	2'-4"
h12	1'-4"	2'-7"

DETAIL OF BARS



BAR n2

2 - PIERS

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
h8	128	#5	34'-0"	—
h9	64	#5	3'-0"	—
h10	64	#5	3'-3"	—
h11	64	#5	3'-6"	—
h12	64	#5	3'-9"	—
n2	152	#5	4'-2"	—
v6	152	#5	31'-4"	—
12	112	#6	9'-8"	—
w	16	#5	20'-0"	—

CLASS A CONCRETE	CU. YDS.	289.7
REINFORCEMENT BARS	LBS.	13030
TIMBER PILES	LIN. FT.	1680
TEST PILE (TIMBER)	EA.	1

NOTES:
MIN. BAR LAP 20 DIA.
UNLESS NOTED
POUR STEPS MONOLITHICALLY
CAP.

DESIGNED	J. G.	19
CHECKED	G. P.	EXAMINED
DRAWN	J. P.	PASSED
CHECKED	G. P.	APPROVED

PIER NO. 2 N.&S. BOUND DETAILS
F.A.S. RTE. 770 SECTION I-B
TO S.I.U. CAMPUS
OVER CAHOKIA CREEK
MADISON COUNTY
STATION 502 + 61.38



USER NAME =	mjraker	DESIGNED -	SDY	REVISED -	
PLOT DATE =	4/25/2016	CHECKED -	DJG	REVISED -	
PLOT TIME =	12:00:06 PM	DRAWN -	MJR	REVISED -	
		CHECKED -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

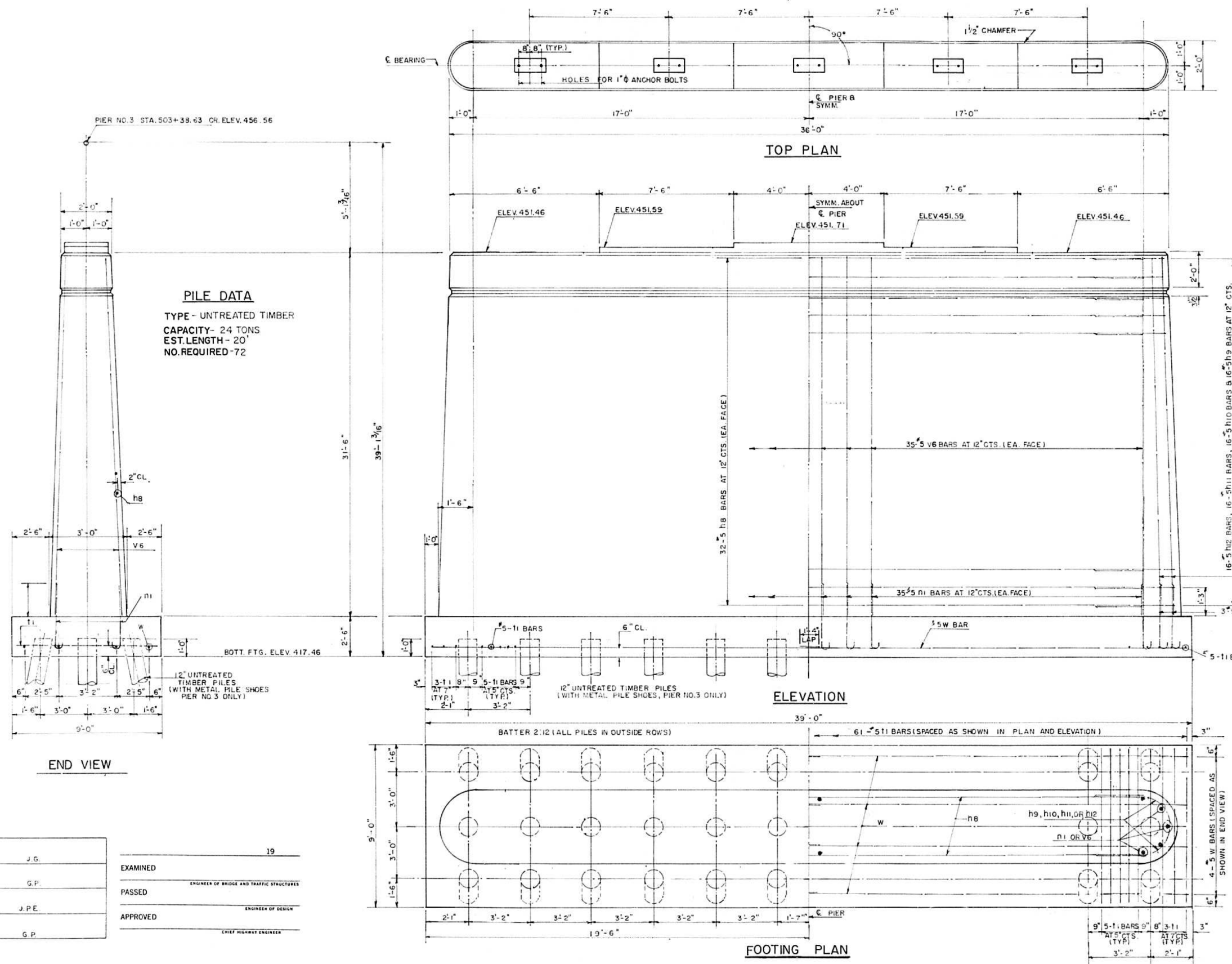
SHEET NO. 06 OF 07 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	78
CONTRACT NO. 76481				

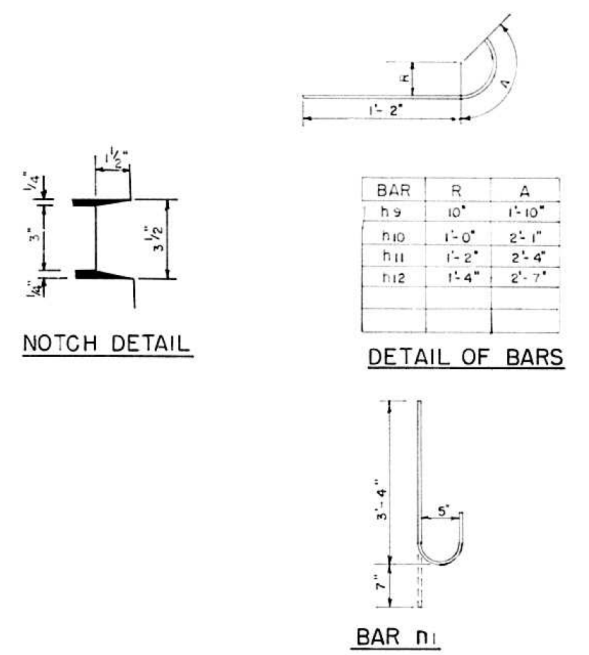
ILLINOIS FED. AID PROJECT

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. OF
F.A.S. 770	1-B	MADISON	28	17	13 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



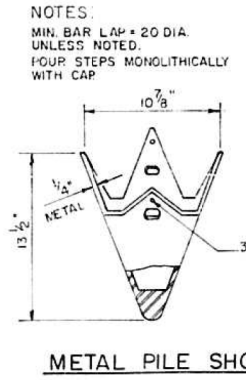
PILE DATA
TYPE - UNTREATED TIMBER
CAPACITY - 24 TONS
EST. LENGTH - 20'
NO. REQUIRED - 72



**2 - PIERS
BILL OF MATERIALS**

BAR	NO.	SIZE	LENGTH	SHAPE
n8	128	#5	34'-0"	—
n9	64	#5	3'-0"	U
n10	64	#5	3'-3"	U
n11	64	#5	3'-6"	U
n12	64	#5	3'-9"	U
n1	152	#5	3'-11"	U
v6	152	#5	3'-4"	—
h1	122	#5	8'-8"	—
w	16	#5	20'-0"	—

CLASS A CONCRETE	CY YDS	275.4
REINFORCEMENT BARS	LBS	12,470
TIMBER PILES	LN. FT.	1440
METAL PILE SHOES	EA.	72



**PIER NO.3 N&S BOUND DETAILS
F.A.S. RTE. 770 SECTION 1-B
TO S.I.U. CAMPUS
OVER CAHOKIA CREEK
MADISON COUNTY
STATION 502 + 61.38**

DESIGNED	J.G.	EXAMINED	19
CHECKED	G.P.	PASSED	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN	J.P.E.	APPROVED	ENGINEER OF DESIGN
CHECKED	G.P.		CHIEF HIGHWAY ENGINEER



USER NAME = mjreker	DESIGNED -	REVISED -
PLOT DATE = 4/25/2016	CHECKED -	REVISED -
PLOT TIME = 12:00:20 PM	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN
STRUCTURE NO. 060-0140 & STRUCTURE NO. 060-0141

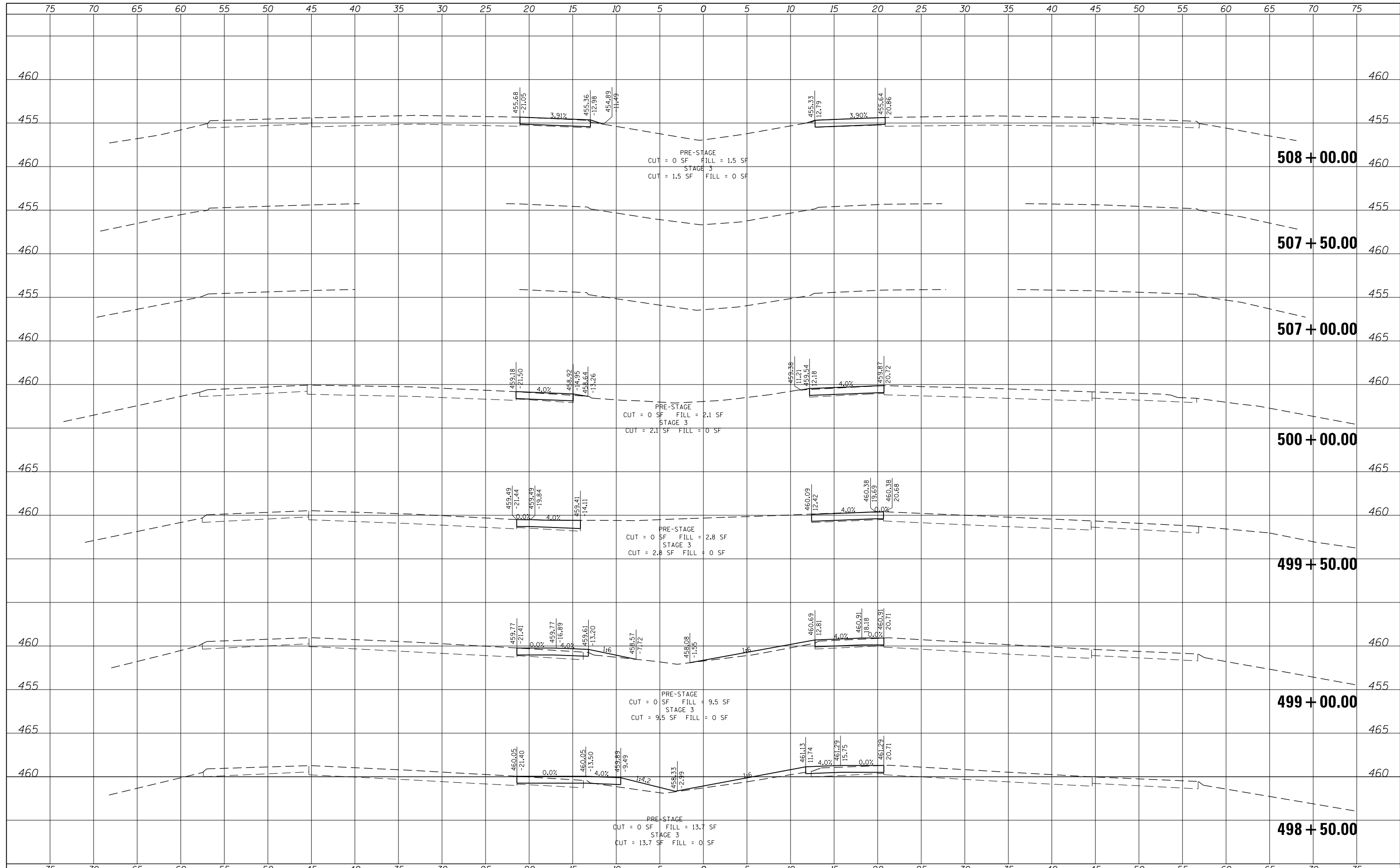
SHEET NO. 07 OF 07 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	79
			CONTRACT NO. 76481	

ILLINOIS FED. AID PROJECT

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

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



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
PLOT SCALE = 1"=10'	DRAWN - TAR	REVISED -
PLOT DATE = 4/21/2016	CHECKED - RJM	REVISED -
	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
TEMPORARY CROSSOVERS CROSS SECTIONS**

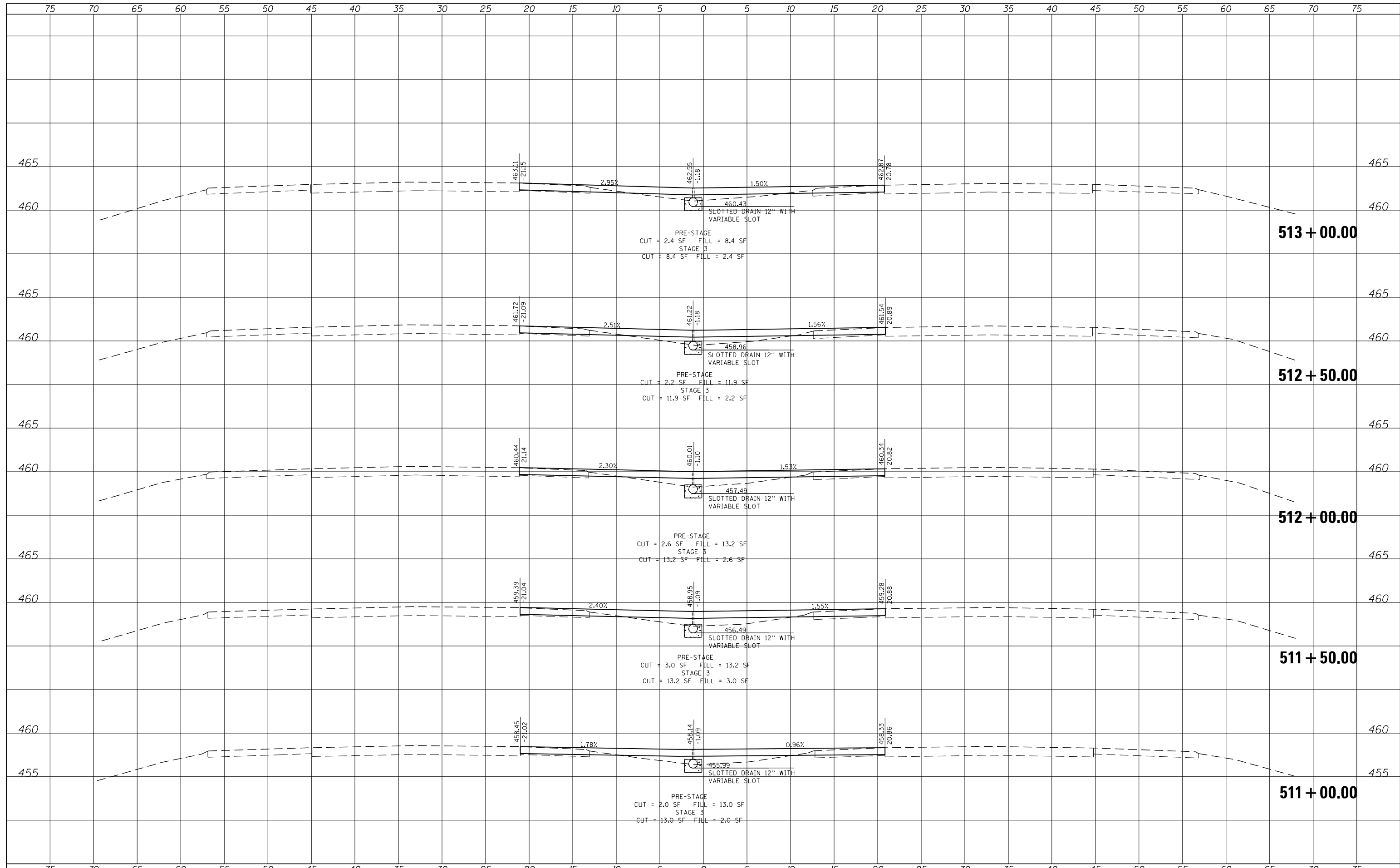
SCALE: 1"=10' SHEET 3 OF 7 SHEETS STA. 498+50.00 TO STA. 508+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	1BR	MADISON	86	82
			CONTRACT NO. 76481	

ILLINOIS FED. AID PROJECT

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

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



USER NAME = zmhuggins	DESIGNED - JLM	REVISED -
	DRAWN - TAR	REVISED -
PLOT SCALE = 1"=10'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

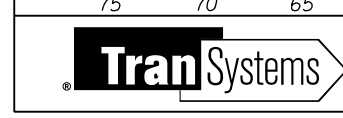
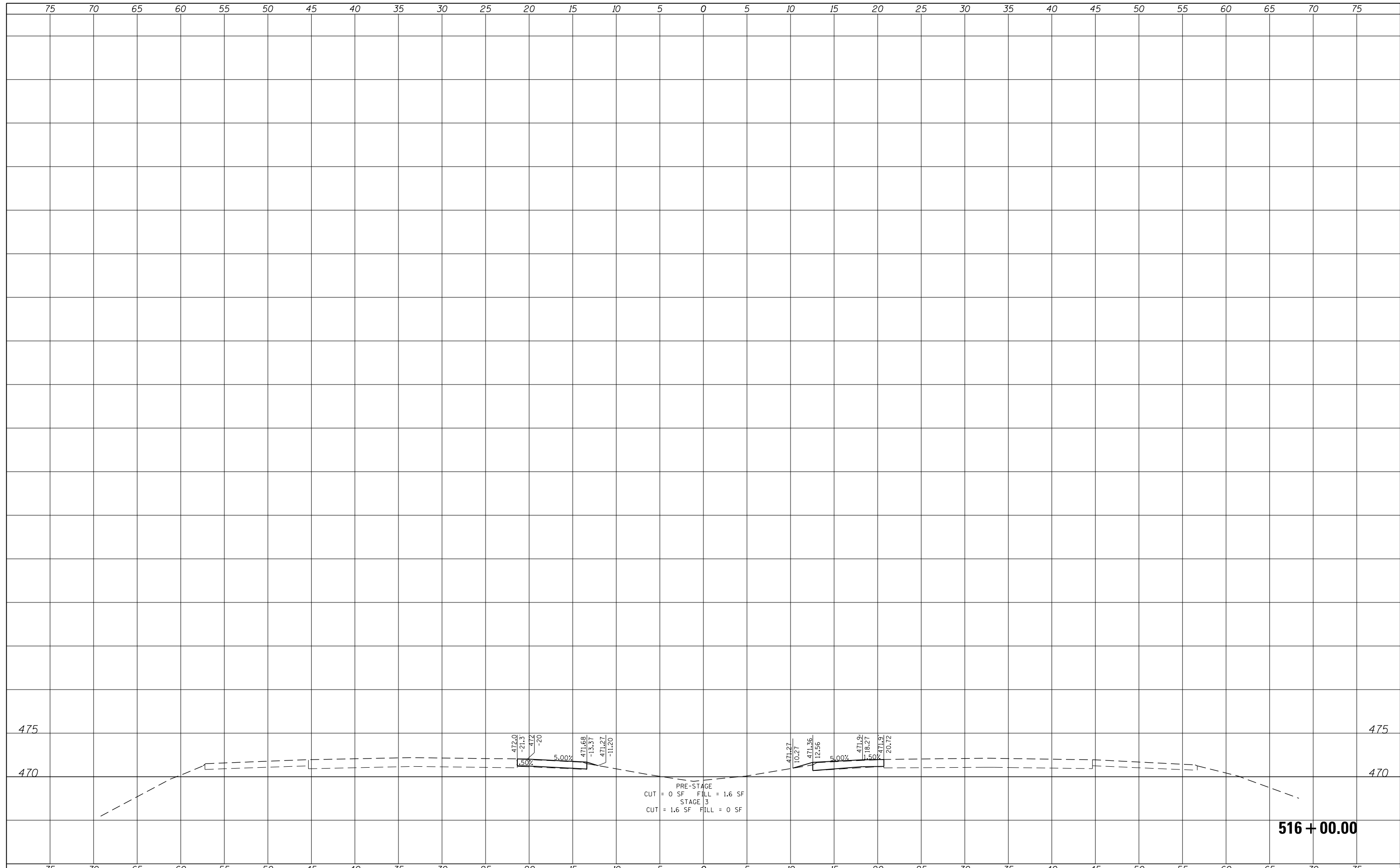
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIUE NORTH ACCESS ROAD	
TEMPORARY CROSSOVERS CROSS SECTIONS	
SCALE: 1"=10'	SHEET 5 OF 7 SHEETS
STA. 511+00.00 TO STA. 513+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8885	IBR	MADISON	86	84
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

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

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



USER NAME = znhuggins	DESIGNED - JLM	REVISED -
	DRAWN - TAR	REVISED -
PLOT SCALE = 1"=10'	CHECKED - RJM	REVISED -
PLOT DATE = 4/21/2016	DATE - 4/21/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIUE NORTH ACCESS ROAD
TEMPORARY CROSSOVERS CROSS SECTIONS**

SCALE: 1"=10' SHEET 7 OF 7 SHEETS STA. 516+00.00 TO STA. 517+00.00

F.A.U. RTE. 8885	SECTION IBR	COUNTY MADISON	TOTAL SHEETS 86	SHEET NO. 86
			CONTRACT NO. 76481	
ILLINOIS FED. AID PROJECT				

516 + 00.00