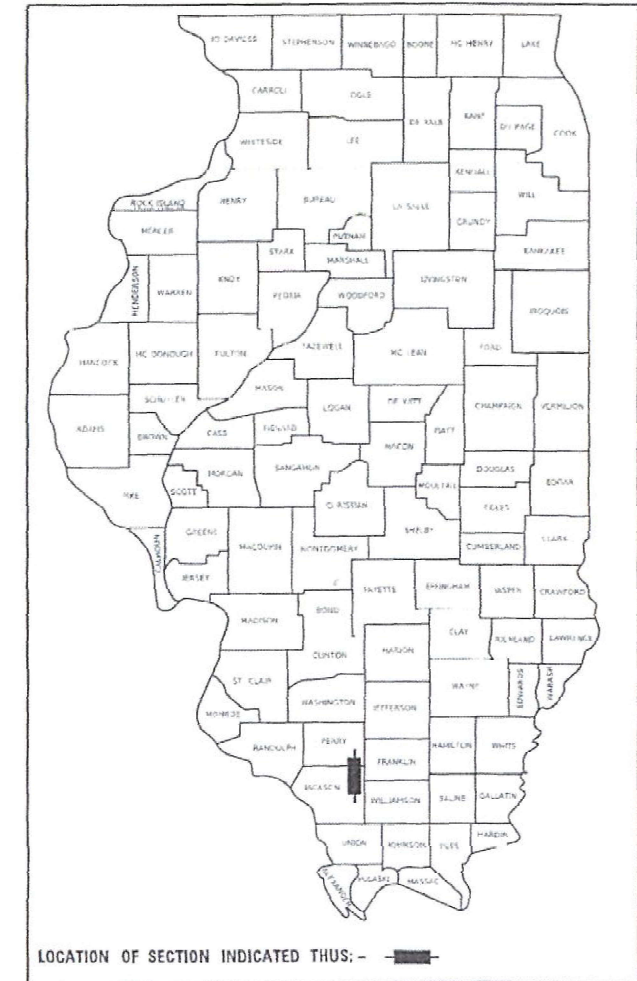


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	1
		ILLINOIS	CONTRACT NO. 78595	

D-99-049-17



**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 322 (US 51)
SECTION 4B-2
PROJECT COVD-LRCD(362)
STRUCTURE REPLACEMENT
JACKSON COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-9

TRAFFIC DATA

ROADWAY CLASSIFICATION = PRINCIPAL ARTERIAL
DESIGN SPEED = 40 MPH
CURRENT ADT (2017) = 7,450
DESIGN YEAR ADT (2040) = 9,400
SU = 4.0%
MU = 5.0%

TOWNSHIPS

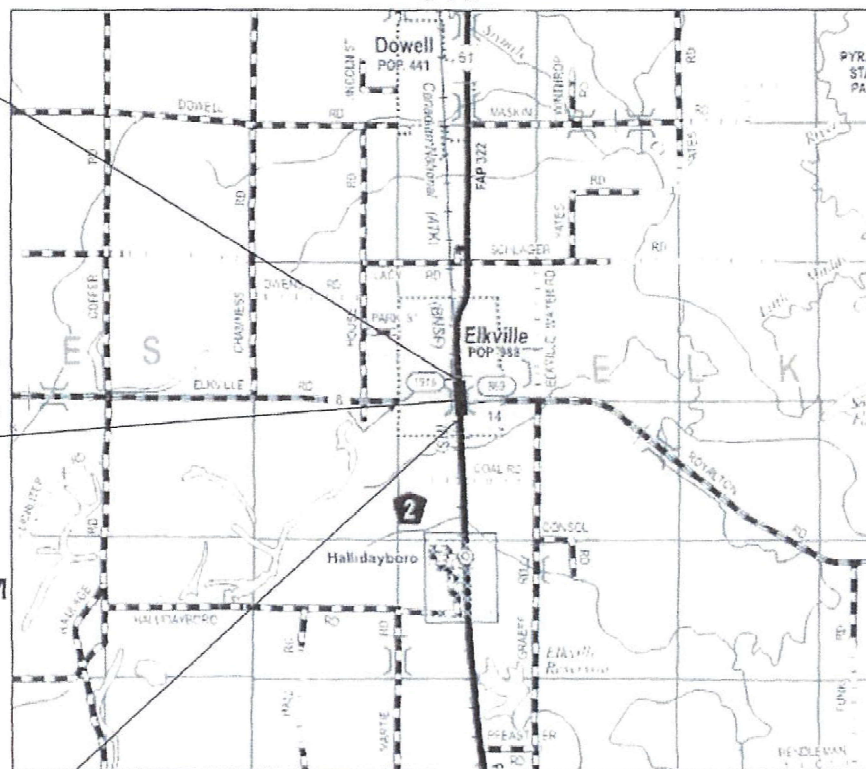
ELK

DESIGN DESIGNATION : N/A
COORDINATE SYSTEM : STATE PLANE ZONE - ILLINOIS WEST
POSTED SPEED : 40 MPH

END IMPROVEMENTS
STA. 646 + 00.0 (US 51)

PROJECT LOCATION
EXISTING SN 039-0002
STRUCTURE STA 641+87
PROPOSED SN 039-2032
US 51 OVER UNNAMED STREAM
DOUBLE 12' x 7' CAST-IN-PLACE
CONCRETE BOX CULVERTS
50'-1" 0.-0.10 DEGREE SKEW

BEGIN IMPROVEMENTS
STA. 638 + 00.0 (US 51)



Bill Tindall, III 10/2/21
BILL TINDALL, P.E.
License Expires 11/30/2021

GROSS LENGTH = 800 FT. = 0.15 MILE
NET LENGTH = 800 FT. = 0.15 MILE

OATES ASSOCIATES

Collinsville: 100 Lamber Court, Suite 1, Collinsville, IL 62234, 618.345.2200
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St. Charles: 330 North Main, Suite 201, St. Charles, MO 63301, 636.493.6277
ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

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

PROJECT ENGINEER: GRANT DETERDING

CONTRACT NO. 78595

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10-22- 20 21

[Signature]
REGION FIVE ENGINEER

December 10, 2021
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

December 10, 2021
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET
 SCALE SHEET OF SHEETS STA TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	1B-2	JACKSON	41	2
CONTRACT NO. 78595				

Prepared By: Charles Stein
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: Casey Nelson
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. C. [Signature]
 DISTRICT OPERATIONS ENGINEER

Examined By: [Signature]
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Daryl J. [Signature]
 DISTRICT CONSTRUCTION ENGINEER

Examined By: R. C. [Signature]
 DISTRICT MATERIALS ENGINEER

INDEX OF SHEETS

1	COVER SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES & HIGHWAY STANDARDS
4-10	SUMMARY OF QUANTITIES
11-12	TYPICAL SECTIONS
13-14	SCHEDULES
15	ALIGNMENT TIES AND BENCHMARKS
16	PLAN AND PROFILE SHEET
17-20	TRAFFIC CONTROL PLANS
21	EROSION CONTROL AND PAVEMENT MARKING
22	RIGHT-OF-WAY SHEET
23	REMOVAL SHEET
24	RAMP AND GUTTER DETAILS
25-34	STRUCTURE NO. 039-2032
35-37	CONSTRUCTION DETAILS
38-41	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420101-07	24' JOINTED PCC PAVEMENT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
515001-04	NAME PLATE FOR BRIDGES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45MPH
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS
701321-18	LANE CLOSURE 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45MPH
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
420001-10	PAVEMENT JOINTS
862001-01	UNINTERRUPTABLE POWER SUPPLY

GENERAL NOTES

- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL AGGREGATE	2.05 TONS/CU. YD.
RIPRAP	1.50 TONS/CU. YD.
ALL HOT-MIX ASPHALT	2.016 TONS/CU. YD.
- THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, BINDER COURSE, AND SURFACE COURSE
- AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
- THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- HMA RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT, THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.
- LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE
- TO RETAIN THE TEMPORARY CONCRETE BARRIER FOR STAGE II TRAFFIC, THE CONTRACTOR SHALL HAVE THE OPTION OF USING EITHER 2 (#5) BAR SPLICER OR 2 CAST-IN-PLACE INSERTS AT 6" CENTERS AT THE MID-DEPTH OF THE PCC PAVEMENT. THE BAR SPLICERS OR INSERTS SHALL HAVE A MINIMUM PROOF LOAD OF 5,000 POUNDS. ALONG WITH THE ANCHORING DEVICES, THE CONTRACTOR SHALL PROVIDE ONE STEEL RETAINING PLATE AND 1/2" DIAMETER BOLT AND WASHERS EVERY 6 FEET AS SHOWN ON DETAIL II ON SHEET 28 FROM STA. 641+40 TO STA. 642+40 FOR STAGE II TRAFFIC. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.

COMMITMENTS

NONE

MIXTURE TABLE

LOCATIONS:	HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT BINDER (1.25")	HOT -MIX ASPHALT SHOULDERS (LOWER LIFTS)	HOT -MIX ASPHALT SHOULDERS (UPPER LIFTS)
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70	HOT-MIX ASPHALT BINDER COURSE, N70, IL-9.5 FINE GRADED	HOT-MIX ASPHALT BINDER COURSE, N30, IL-19.0L	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30, 9.5L
AB/PG:	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0 %, 70 GYRATION DESIGN	4.0 %, 70 GYRATION DESIGN	4.0 %, 30 GYRATION DESIGN	4.0 %, 30 GYRATION DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE):	IL-9.5mm	IL-9.5mm FINE GRADED	IL-9.0L	IL-9.5L
FRICTION AGGREGATE:	D SURFACE	NONE	NONE	NONE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	PFP	PFP	QCQA	QCQA
SUBLOT SIZE:	TBD	TBD	N/A	N/A
MATERIAL TRANSFER DEVICE	N/A	N/A	N/A	N/A

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & HIGHWAY STANDARDS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	3
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

COUNTY	JACKSON
ROUTE	FAP 322 (US 51)
FUNDING	100% FED 0010
LOCATION	RURAL
TOTAL QUANTITY	SN 039-0002

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20200100	EARTH EXCAVATION	CU YD	135	135
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	5	5
20400800	FURNISHED EXCAVATION	CU YD	100	100
20700220	POROUS GRANULAR EMBANKMENT	CU YD	293	293
20900110	POROUS GRANULAR BACKFILL	CU YD	18	18
25000200	SEEDING, CLASS 2	ACRE	0.25	0.25
25000350	SEEDING, CLASS 7	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23
25100115	MULCH, METHOD 2	ACRE	0.25	0.25
25100630	EROSION CONTROL BLANKET	SQ YD	889	889
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	25
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 1	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	4
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

COUNTY	JACKSON
ROUTE	FAP 322 (US 51)
FUNDING	100% FED 0010
LOCATION	RURAL
TOTAL QUANTITY	SN 039-0002

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
28000400	PERIMETER EROSION BARRIER	FOOT	553	553
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100107	STONE RIPRAP, CLASS A4	SQ YD	187	187
28200200	FILTER FABRIC	SQ YD	187	187
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	704	704
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	85	85
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	20	20
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	179	179
40600370	LONGITUDINAL JOINT SEALANT	FOOT	707	707
40600990	TEMPORARY RAMP	SQ YD	125	125
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	144	144
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	172	172
40604090	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5L, MIX "C", N30	TON	40	40
42000060	WELDED WIRE REINFORCEMENT	SQ YD	269	269

REV. - MS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 2	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 5
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

COUNTY	JACKSON
ROUTE	FAP 322 (US 51)
FUNDING	100% FED 0010
LOCATION	RURAL
TOTAL QUANTITY	SN 039-0002

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	269	269
42001300	PROTECTIVE COAT	SQ YD	269	269
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,372	1,372
42400800	DETECTABLE WARNINGS	SQ FT	16	16
44000100	PAVEMENT REMOVAL	SQ YD	294	294
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	469	469
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	2,043	2,043
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	141	141
44000600	SIDEWALK REMOVAL	SQ FT	970	970
44004250	PAVED SHOULDER REMOVAL	SQ YD	272	272
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	170	170
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	421	421
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50200100	STRUCTURE EXCAVATION	CU YD	390	390

REV. - MS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 3	OF 7	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	6
			CONTRACT NO. 78595	
ILLINOIS FED. AID PROJECT				

COUNTY	JACKSON
ROUTE	FAP 322 (US 51)
FUNDING	100% FED 0010
LOCATION	RURAL
TOTAL QUANTITY	SN 039-0002

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	255	255
50300300	PROTECTIVE COAT	SQ YD	17	17
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	35,350	35,350
50800515	BAR SPLICERS	EACH	128	128
50900200	STEEL RAILING, TYPE 2399	FOOT	27	27
50900805	PEDESTRIAN RAILING	FOOT	48	48
50901720	BICYCLE RAILING	FOOT	26	26
51500100	NAME PLATES	EACH	1	1
52200010	TEMPORARY SHEET PILING	SQ FT	509	509
54003000	CONCRETE BOX CULVERTS	CU YD	171.3	171.3
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	163	163
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	280	280
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2	2

* SPECIALTY ITEM

REV. - MS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 4	OF 7	SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	7
			CONTRACT NO. 78595	
ILLINOIS FED. AID PROJECT				

COUNTY	JACKSON
ROUTE	FAP 322 (US 51)
FUNDING	100% FED 0010
LOCATION	RURAL
TOTAL QUANTITY	SN 039-0002

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2
63200310	GUARDRAIL REMOVAL	FOOT	200	200
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6	6
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	9	9
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42	42
70300100	SHORT TERM PAVEMENT MARKING	FOOT	144	144

* SPECIALTY ITEM

REV. - MS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	8
			CONTRACT NO. 78595	
ILLINOIS FED. AID PROJECT				

COUNTY	JACKSON
ROUTE	FAP 322 (US 51)
FUNDING	100% FED 0010
LOCATION	RURAL
TOTAL QUANTITY	SN 039-0002

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	49	49
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	3,148	3,148
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	38	38
70400100	TEMPORARY CONCRETE BARRIER	FOOT	312.5	312.5
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	24	24
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	237.5	237.5
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,680	1,680
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	3	3
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	9	9
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1,215	1,215
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1

* SPECIALTY ITEM

REV. - MS

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REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 6	OF 7	SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	9
			CONTRACT NO. 78595	
ILLINOIS FED. AID PROJECT				

COUNTY	JACKSON
ROUTE	FAP 322 (US 51)
FUNDING	100% FED 0010
LOCATION	RURAL
TOTAL QUANTITY	SN 039-0002

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	163	163
X6060097	CLASS SI CONCRETE (OUTLET), SPECIAL	CU YD	0.7	0.7
* Z0054517	ROCK FILL - FOUNDATION	TON	225	225
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1	1
Ø Z0076600	TRAINEES	HOUR	500	500
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500

* SPECIALTY ITEM Ø 0042

REV. - MS

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PLOT DATE = 10/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

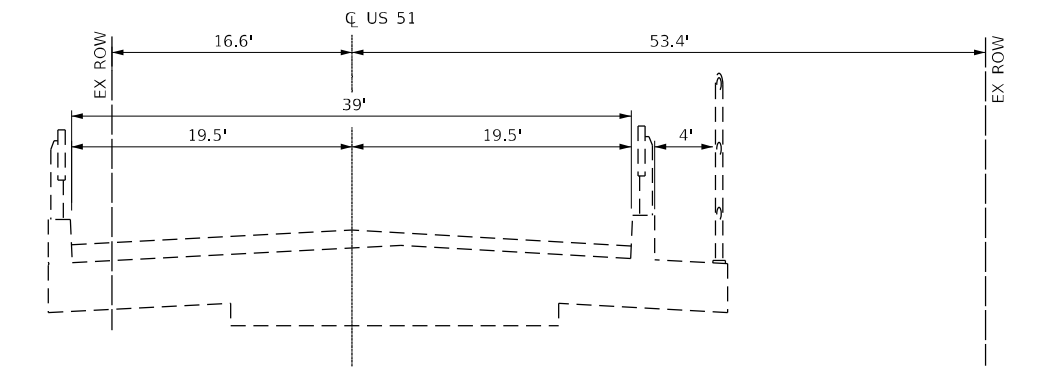
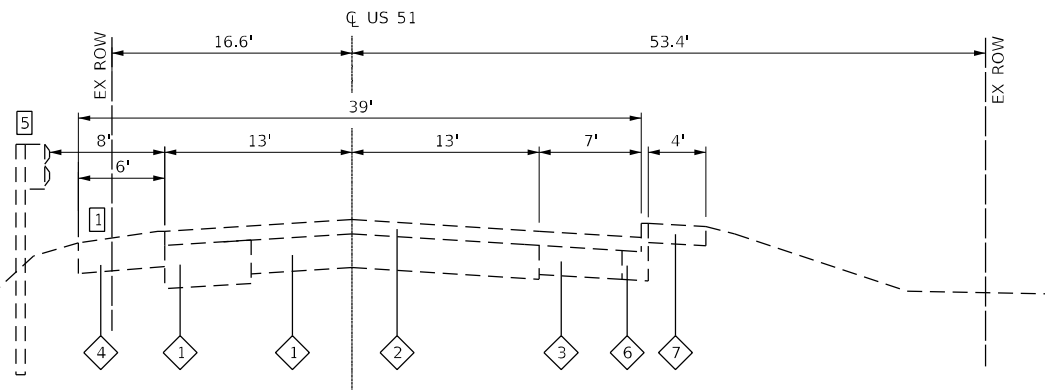
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	10
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION LEGEND

- ① EXISTING PCC PAVEMENT, 9" AND 7"
- ② EXISTING BITUMINOUS OVERLAY, 6"
- ③ EXISTING CRUSHED STONE BASE COURSE, 6"
- ④ EXISTING STABILIZED SHOULDER, 10"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER, 3"
- ⑥ EXISTING CURB & GUTTER, TYPE 5
- ⑦ EXISTING PCC SIDEWALK, 4"
- ⑧ PROPOSED PCC PAVEMENT W WELDED WIRE REINF, 10"
- ⑨ PROPOSED PCC SHOULDERS, 10"
- ⑩ PROPOSED PCC CC&G B6.24
- ⑪ PROPOSED PCC SIDEWALK, 5"
- ⑫ PROPOSED SUBBASE GRANULAR MATERIAL TYPE A, 4"
- ⑬ PROPOSED POROUS GRANULAR BACKFILL
- ⑭ PROPOSED FURNISHED EXCAVATION, 4"
- ⑮ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
- ⑰ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1½"
- ⑱ HMA BINDER COURSE, IL-9.5FG, N70, 1¼"
- ⑲ HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- ⑳ HMA SURFACE COURSE, IL-9.5L, MIX "C", N30, 1½"
- ㉑ BITUMINOUS MATERIAL (TACK COAT)

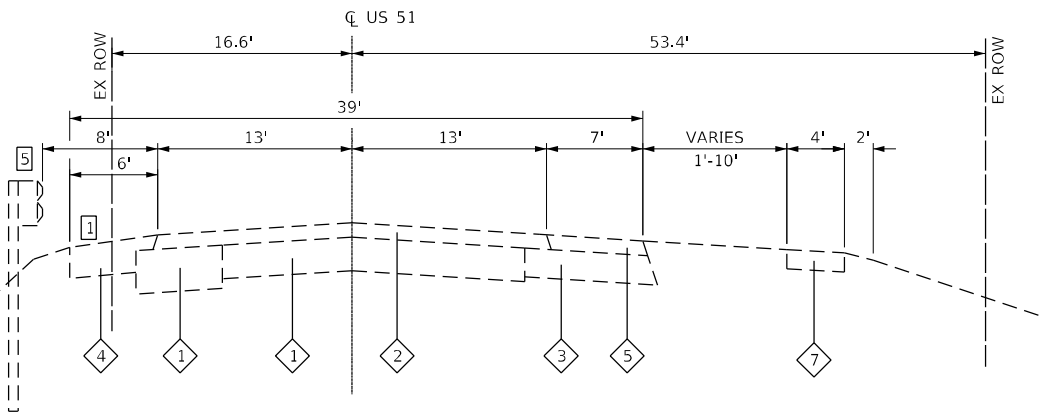
EXISTING FAP ROUTE 322 (US 51)

STA 641+97.5 TO STA 646+00.0



EXISTING FAP ROUTE 322 (US 51)

(EXISTING STRUCTURE)
STA 641+72.4 TO STA 641+97.5

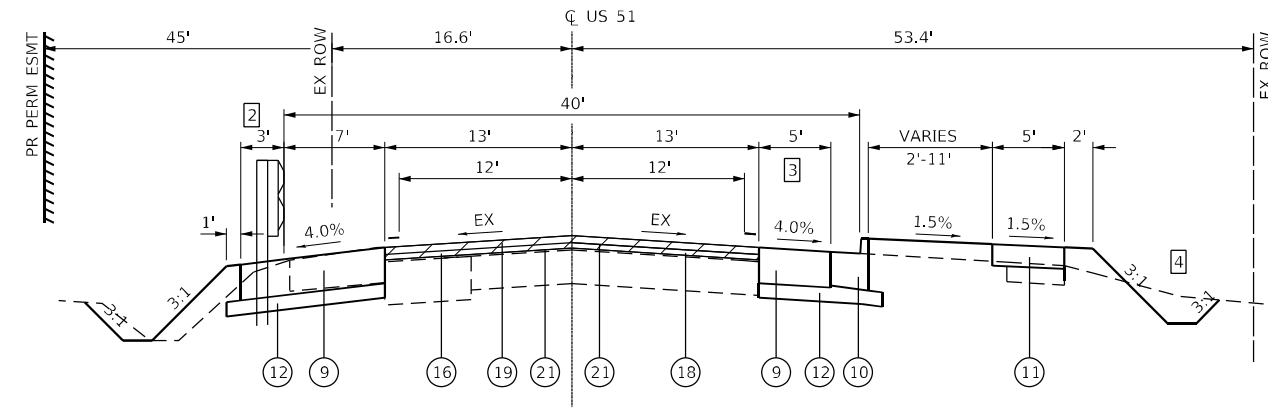


EXISTING FAP ROUTE 322 (US 51)

STA 638+00.0 TO STA 641+72.4

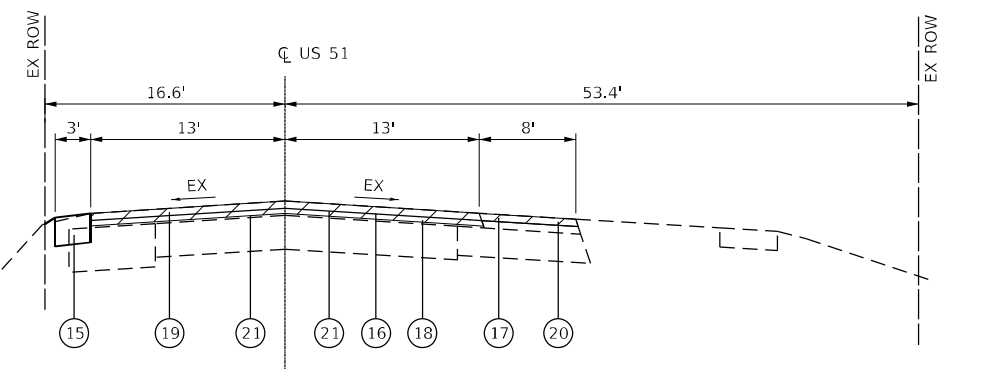
PROPOSED FAP ROUTE 322 (US 51)

STA 640+32.7 TO STA 641+42.0



PROPOSED FAP ROUTE 322 (US 51)

STA 638+00.0 TO STA 640+32.7



TYPICAL SECTION NOTES

- ① EXISTING SHOULDER OUTSIDE OF BRIDGE SECTION CONSISTS OF HOT-MIX ASPHALT FROM STA 641+05.7 TO STA 642+54.5.
- ② PCC SHOULDERS TO BE EXTENDED ONE FOOT BEHIND THE GUARDRAIL POSTS WHEN GUARDRAIL IS PRESENT.
- ③ SHOULDER RECONSTRUCTION BEGINS AT STA 640+63.1 AND FOLLOWS THE RADIUS OF KIMMEL ROAD
- ④ PROPOSED SPECIAL DITCH FROM STA. 640+81 TO STA. 641+65
- ⑤ EXISTING GUARDRAIL PRESENT FROM STA 640+72 TO STA 641+72 AND STA 641+78 TO STA 642+97

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	11
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

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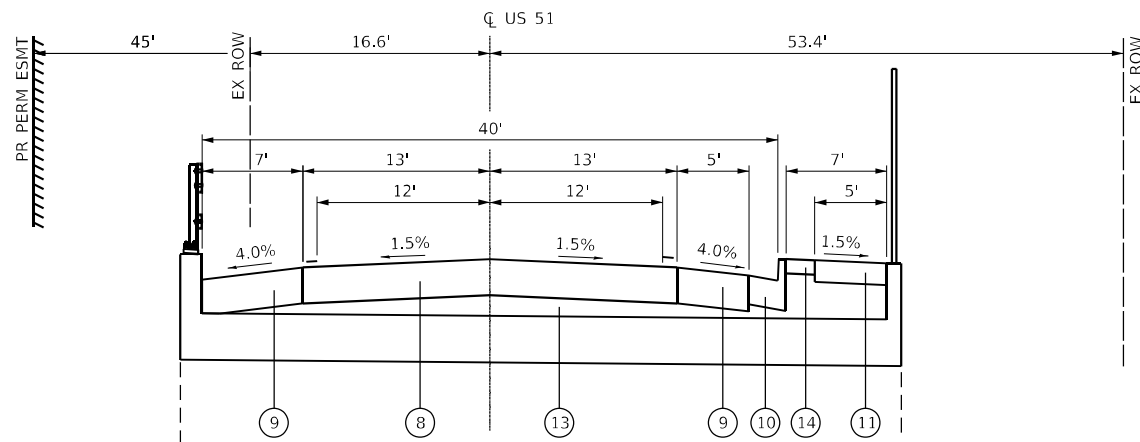


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	DATE -	REVISED -

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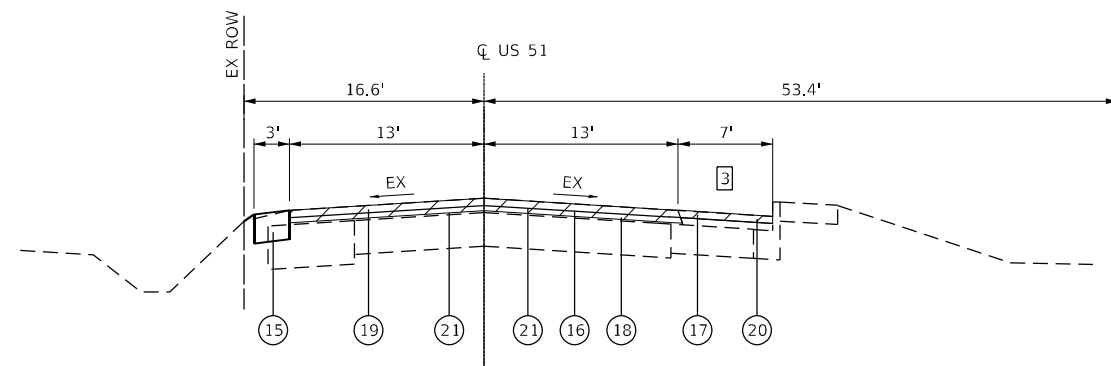
TYPICAL SECTION LEGEND

- 1 EXISTING PCC PAVEMENT, 9" AND 7"
- 2 EXISTING BITUMINOUS OVERLAY, 6"
- 3 EXISTING CRUSHED STONE BASE COURSE, 6"
- 4 EXISTING STABILIZED SHOULDER, 10"
- 5 EXISTING HOT-MIX ASPHALT SHOULDER, 3"
- 6 EXISTING CURB & GUTTER, TYPE 5
- 7 EXISTING PCC SIDEWALK, 4"
- 8 PROPOSED PCC PAVEMENT W WELDED WIRE REINF, 10"
- 9 PROPOSED PCC SHOULDERS, 10"
- 10 PROPOSED PCC CC&G B6.24
- 11 PROPOSED PCC SIDEWALK, 5"
- 12 PROPOSED SUBBASE GRANULAR MATERIAL TYPE A, 4"
- 13 PROPOSED POROUS GRANULAR BACKFILL
- 14 PROPOSED FURNISHED EXCAVATION, 4"
- 15 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- 16 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
- 17 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1½"
- 18 HMA BINDER COURSE, IL-9.5FG, N70, 1¼"
- 19 HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- 20 HMA SURFACE COURSE, IL-9.5L, MIX "C", N30, 1½"
- 21 BITUMINOUS MATERIAL (TACK COAT)



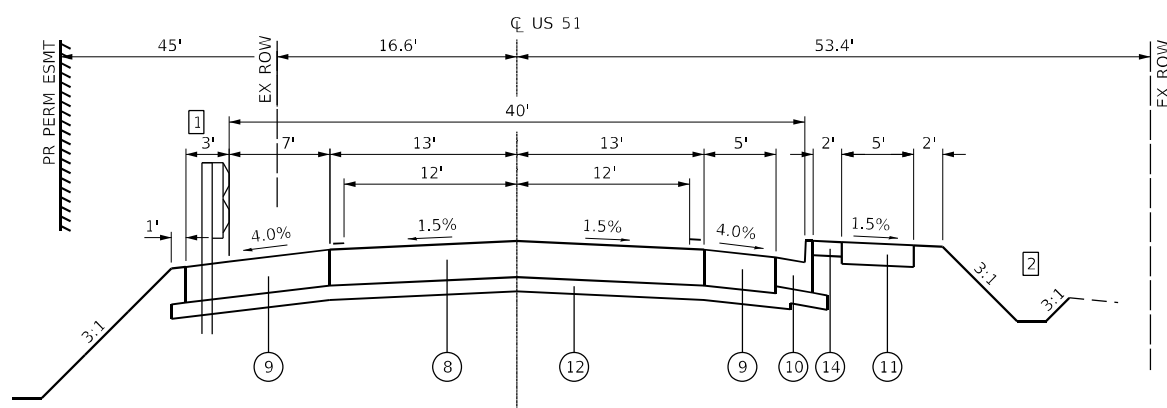
PROPOSED FAP ROUTE 322 (US 51)

(PAVEMENT SECTION OVER CULVERT)
STA 641+73.8 TO STA 642+00.2



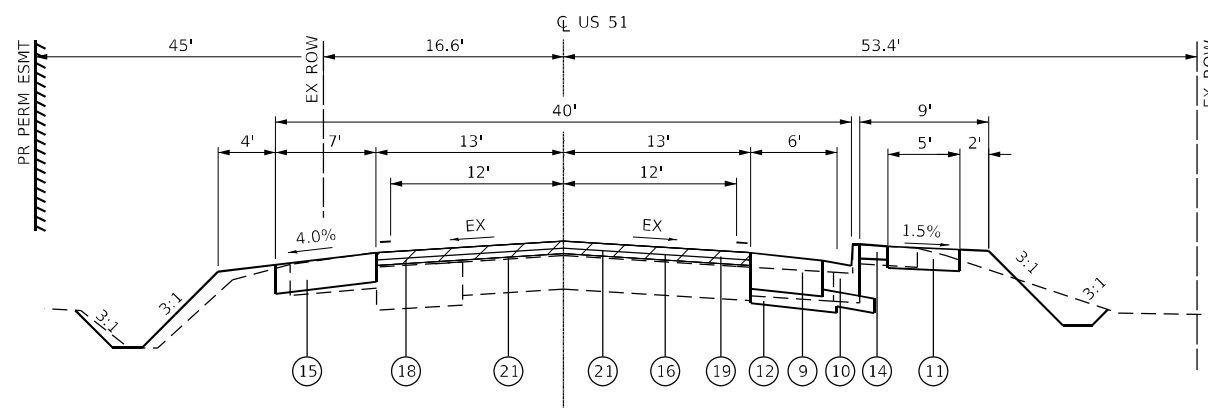
PROPOSED FAP ROUTE 322 (US 51)

STA 643+39.1 TO STA 646+00.0



PROPOSED FAP ROUTE 322 (US 51)

(FULL PAVEMENT REPLACEMENT WITHIN STRUCTURE EXCAVATION AREA)
STA 642+00.2 TO STA 642+35.0
STA 641+42.0 TO STA 641+73.8



PROPOSED FAP ROUTE 322 (US 51)

STA 643+35.0 TO STA 643+39.1

TYPICAL SECTION NOTES

- 1 PCC SHOULDERS TO BE EXTENDED ONE FOOT BEHIND THE GUARDRAIL POSTS WHEN GUARDRAIL IS PRESENT.
- 2 PROPOSED SPECIAL DITCH FROM STA. 640+81 TO STA. 641+65
- 3 SHOULDER WIDTH TRANSITIONS FROM 7' TO 9' STA 645+33.4 TO STA 645+87.0. SHOULDER WIDTH 9' STA 645+87.0 TO 646+00.0

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	12
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

CURB & GUTTER

STATION	STATION	OFFSET	COMB CURB GUTTER REM (FOOT)	COMB CC&G TB6.24 (FOOT)	CLASS SI CONC OUT SPL (CU YD)
640+68	643+35	RT		280	
640+73	640+81	RT			0.7
641+98	643+39	RT	141		
TOTAL			141	280	0.7

DRAINAGE SCHEDULE

STATION	OFFSET	FR & LIDS ADJUST (EACH)
642+23	RT	1
TOTAL		1

SIDEWALK /PEDESTRIAN RAILING SCHEDULE

STATION	STATION	OFFSET	PC CONC SIDEWALK 5 (SQ FT)	DETECTABLE WARNINGS (SQ FT)	SIDEWALK REM (SQ FT)	PEDESTRIAN RAILING (FOOT)
640+81	643+54	RT	1,372	16	970	
641+46	641+70	RT				24
641+95	642+19	RT				24
TOTAL			1,372	16	970	48

PAVEMENT MARKING SCHEDULE

STATION	STATION	OFFSET	COMMENT	SHORT TERM PAVT MKING (FOOT)	SHORT TRM PAVT MK REM (SQ FT)	TEMP PVT MK LINE 4 PAINT (FOOT)	TEMP PVT MK LINE 24 PAINT (FOOT)	MOD URETH PM LINE 6 (FOOT)	RAISED REF PVT MK REM (EACH)	PAVMT MRKG RM GRIND (SQ FT)
638+00	646+00	LT	WHITE - EDGE LINE	32	11	800		800		267
638+00	646+00	RT	WHITE - EDGE LINE	32	11	800		800		267
638+00	646+00	CL	YELLOW - SKIP DASH	80	27	80		80		27
638+00	641+42	CL	RRPM REMOVAL						4	
639+24		RT	STAGE 1 AND 2 - US 51 STOP BAR				13			26
639+24	644+93	CL	YELLOW - CENTERLINE							60
639+33	644+37	LT	STAGE 1 - SOLID WHITE			506				138
639+34	639+78	RT	STAGE 2 - SOLID WHITE			45				15
639+78	641+28	RT	STAGE 2 - SKIP-DASH WHITE			38				13
640+18	643+39	LT	STAGE 2 - SOLID WHITE			322				107
640+18	643+39	LT	WHITE - EDGE LINE							114
640+34	640+99	RT	STAGE 1 - SKIP-DASH WHITE			17				
640+66		RT	STAGE 1 AND 2 - KIMMEL STOP BAR				12			24
640+99	643+35	RT	STAGE 1 - SOLID WHITE			236				30
641+28	644+31	RT	STAGE 2 - SOLID WHITE			304				101
642+35	646+00	CL	RRPM REMOVAL						5	
644+91		LT	STAGE 1 AND 2 - US 51 STOP BAR				13			26
TOTAL				144	49	3,148	38	1,680	9	1,215

EROSION CONTROL SCHEDULE

STATION	STATION	OFFSET	EROSION CONTR BLANKET (SQ YD)	TEMP EROS CONTR SEEDING (POUND)	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECTION (EACH)
638+00	640+18	LT		1			
640+18	641+82	LT	260	6		163	
640+70	641+67	RT	119	3	30	89	
640+88	643+39	RT		3			
641+92	643+55	RT	204	4		163	
642+05	643+39	LT	306	7		138	
642+23		RT					1
643+39	646+00	LT		1			
TOTAL			889	25	30	553	1

PAVEMENT SCHEDULE

STATION	STATION	OFFSET	POROUS GRAN BACKFILL (CU YD)	SUB GRAN MAT A 4 (SQ YD)	PCC BASE CSE 10 (SQ YD)	WELDED WIRE REINF (SQ YD)	PCC PVT 10 JOINTED (SQ YD)	PROTECTIVE COAT (SQ YD)	PAVEMENT REM (SQ YD)	PAVED SHLD REM (SQ YD)	HMA SHOULDERS 8 (SQ YD)	PCC SHOULDERS 10 (SQ YD)
638+00	640+33	LT									78	
640+33	643+27	LT		260						69		251
640+63	642+35	RT		152						125		112
640+89	641+72	RT			65			65			3	
641+42	642+35	LT/RT	18	193		269	269	269	202			
641+95	642+35	RT			20			27			3	
642+35	643+39	RT		99						78		58
643+27	646+00	LT									86	
TOTAL			18	704	85	269	269	269	294	272	170	421

RESURFACING SCHEDULE

STATION	STATION	OFFSET	EXC & GR EX SHOULDER (UNIT)	BIT MATLS TACK CT NOTE 1 (POUND)	LONG JOINT SEALANT (FOOT)	TEMPORARY RAMP NOTE 1 (SQ YD)	HMA BC IL-9.5FG N70 (TON)	HMA SC IL-9.5 D N70 (TON)	HMA SURF REM 2 3/4 (SQ YD)
638+00	640+33	LT	2						
638+00	641+42	TL		75	342	54	70	83	988
641+42 TO 642+35 GAP SN 039-0002									
642+35	646+00	TL		80	365	54	74	89	1,055
643+27	646+00	LT	3						
TOTAL			5	155	707	108	144	172	2,043

SCHEDULE NOTE:

- ADDITIONAL QUANTITIES, SEE PARKING LANE SCHEDULE.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4B-2	JACKSON	41	13
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

SEEDING SCHEDULE

STATION	STATION	OFFSET	SEEDING CL 2 (ACRE)	SEEDING CL 7 (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	MULCH METHOD 2 (ACRE)
638+00	640+18	LT	0.01	0.01	1	1	1	0.01
640+18	641+82	LT	0.06	0.06	5	5	5	0.06
640+70	641+67	RT	0.03	0.03	3	3	3	0.03
640+88	643+39	RT	0.03	0.03	3	3	3	0.03
641+92	643+54	RT	0.04	0.04	4	4	4	0.04
642+05	643+39	LT	0.07	0.07	6	6	6	0.07
643+39	646+00	LT	0.01	0.01	1	1	1	0.01
TOTAL			0.25	0.25	23	23	23	0.25

PARKING LANE SCHEDULE

STATION	STATION	OFFSET	BIT MATLS TACK CT NOTE 1 (POUND)	TEMPORARY RAMP NOTE 1 (SQ YD)	HMA SC IL-9.5L C N30 (TON)	HMA SURF REM 1 1/2 (SQ YD)
638+00	640+89	RT	13	8	22	257
641+42 TO 642+35 GAP SN 039-0002						
643+39	646+00	RT	11	9	18	212
TOTAL			24	17	40	469

SCHEDULE NOTE:

- ADDITIONAL QUANTITIES, SEE RESURFACING SCHEDULE.

TRAFFIC CONTROL SCHEDULE

LOCATION / STATION	LOCATION / STATION	OFFSET	AGGREGATE TEMP ACCESS (TON)	TRAF CONT-PROT 701321 (EACH)	TEMP BR TRAF SIGNALS (EACH)	TEMP RUMBLE STRIPS (EACH)	TEMP CONC BARRIER (FOOT)	PIN TEMP CONC BARRIER (EACH)	REL TEMP CONC BARRIER (FOOT)	IMP ATTN TEMP NRD TL3 (EACH)	IMP ATTN REL NRD TL 3 (EACH)	UNINTER POWER SUP EXT (EACH)
STAGE 1												
640+35		LT								1		
640+35	643+47	LT/RT					312.5	24				
643+45		LT								1		
640+67	641+48	RT	20									
KIMMEL		RT			0.3	3						0.3
NB US 51		RT			0.3	3						0.3
SB US 51		LT			0.3	3						0.3
US 51		LT/RT		1								
STAGE 2												
640+35		RT									1	
641+15	643+52	LT/RT						237.5				
643+45		RT									1	
TOTAL			20	1	1	9	312.5	24	237.5	2	2	1

EARTHWORK SCHEDULE

LOCATION			EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE		FURNISHED EXCAVATION	REMARKS
STA.	TO	STA.	CU YD	%	CU YD	CU YD	EXCAVATION REQUIRED TO COMPLETE	EXCESS EXCAVATION	CU YD	
640+18		641+73	60	18%	50	85	35		35	
641+98		643+39	75	18%	60	125	65		65	
TOTALS			135						100	

GUARDRAIL SCHEDULE

STATION	STATION	OFFSET	TRAF BAR TERM T6A (EACH)	TR BAR TRM T1 SPL TAN (EACH)	GUARDRAIL REMOV (FOOT)	TERMINAL MARKER DA (EACH)	GRDRAIL REF TYPE A (EACH)
640+89	641+78	LT	1	1	100	1	2
642+04	642+92	LT	1	1	100	1	1
TOTAL			2	2	200	2	3

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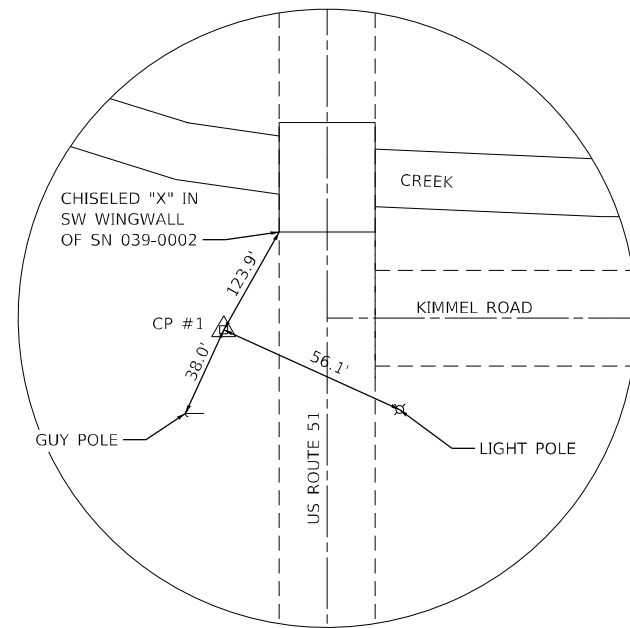


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

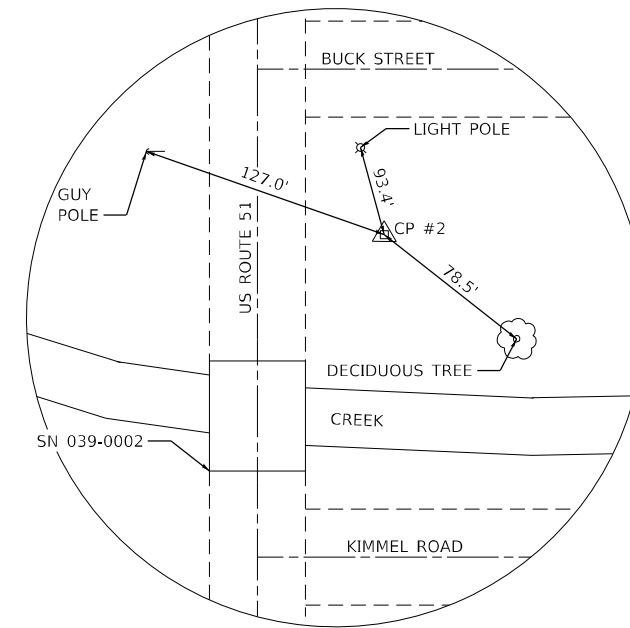
SCHEDULES	
SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78595	



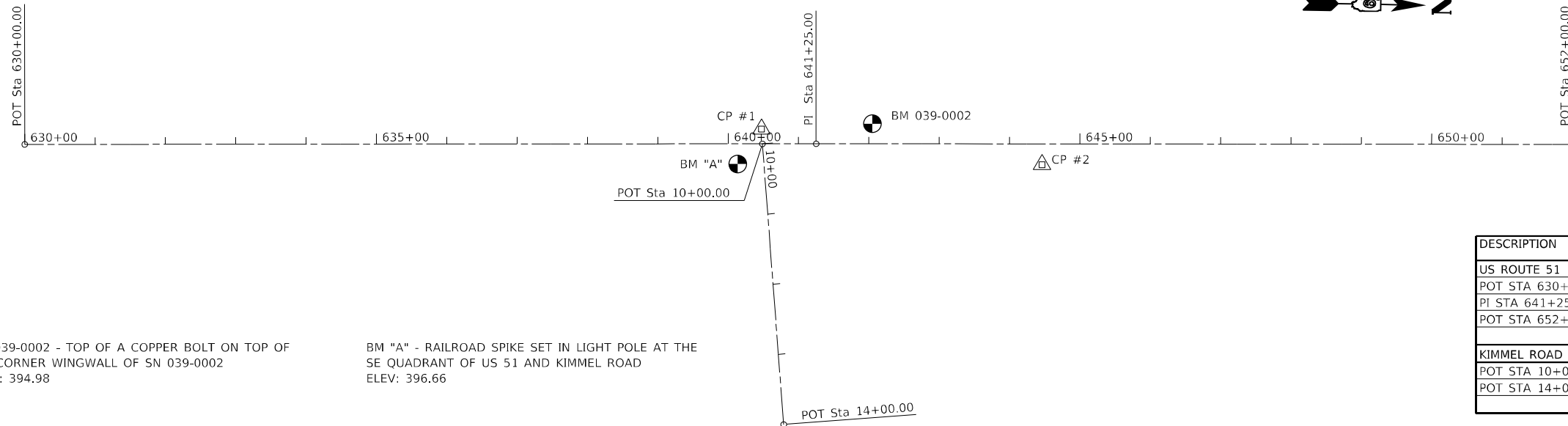
IRON BAR WITH CAP

STA. XX+XX
N: 452,947.026
E: 723,954.991



IRON BAR WITH CAP

STA. XX+XX
N: 452,947.026
E: 723,954.991



BM 039-0002 - TOP OF A COPPER BOLT ON TOP OF
NW CORNER WINGWALL OF SN 039-0002
ELEV: 394.98

BM "A" - RAILROAD SPIKE SET IN LIGHT POLE AT THE
SE QUADRANT OF US 51 AND KIMMEL ROAD
ELEV: 396.66

DESCRIPTION	NORTHING	EASTING
US ROUTE 51		
POT STA 630+00.00	451,500.60	723,955.81
PI STA 641+25.00	452,625.35	723,931.94
POT STA 652+00.00	453,700.14	723,910.79
KIMMEL ROAD		
POT STA 10+00.00	452,548.93	723,933.56
POT STA 14+00.00	452,587.33	724,331.71

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT TIES AND BENCHMARKS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	15
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

STAGE CONSTRUCTION GENERAL NOTES

- ONE LANE OF TRAFFIC ON US 51 SHALL BE MAINTAINED AT ALL TIMES.
- EMERGENCY ACCESS SHALL BE PROVIDED AT ALL TIMES.

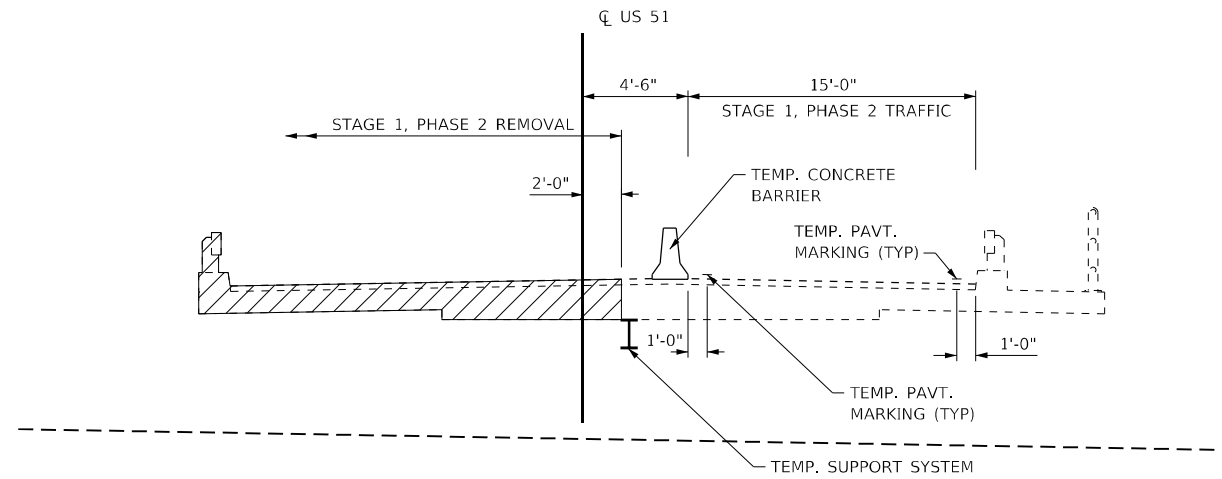
SUGGESTED STAGE 1 CONSTRUCTION

PHASE 1

- UTILIZE TRAFFIC CONTROL AND PROTECTION, STANDARD 701201.
- PLACE TEMPORARY TRAFFIC CONTROL AS SHOWN ON THE NEXT SHEET.
- INSTALL TEMPORARY TRAFFIC SIGNALS PRIOR TO CLOSING THE LEFT HALF OF ROADWAY, SEE "TRAFFIC CONTROL NOTES" FOR MORE DETAILS.
- CONSTRUCT TEMPORARY BASE COURSE WIDENING, 10" ON THE RIGHT SIDE OF THE ROADWAY FROM STA. 641+00 TO STA. 642+35. LEAVE EXISTING CURB AND GUTTER IN PLACE FROM STA 641+98 TO STA 642+35. CONSTRUCT PCC SHOULDERS 10" AND ADJACENT COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FROM STA. 642+35 TO STA. 643+39.

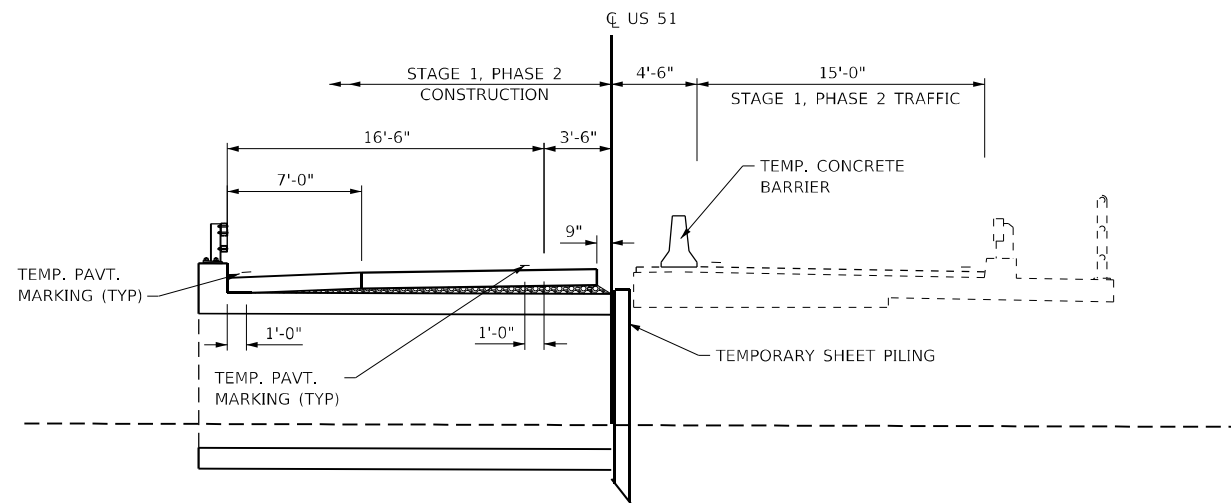
PHASE 2

- UTILIZE TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. DIRECT TRAFFIC TO THE RIGHT LANE OF US 51.
- CONSTRUCT TEMPORARY SHEET PILING AT THE NORTH AND SOUTH SIDE OF EXISTING STRUCTURE AND REMOVE THE LEFT SIDE OF EXISTING STRUCTURE.
- CONSTRUCT THE LEFT SIDE OF DOUBLE BOX CULVERT, EMBANKMENT, AND ROADWAY.
- INSTALL GUARDRAIL ON LEFT SIDE OF US 51 AND COMPLETE DRAINAGE AND GRADING IMPROVEMENTS.



STAGE 1 BRIDGE REMOVAL TYPICAL SECTION

(LOOKING NORTH AT STRUCTURE)
FOR INFORMATION ONLY



STAGE 1 BRIDGE CONSTRUCTION TYPICAL SECTION

(LOOKING NORTH AT STRUCTURE)
FOR INFORMATION ONLY

TRAFFIC CONTROL NOTES

- THREE PHASE SIGNAL OPERATION IS REQUIRED WHEN HWY STD 701321 IS IN EFFECT. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS.
- THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL MUTCD REQUIREMENTS.
- THE CONTRACTOR SHALL USE MICROWAVE DETECTION FOR USE WITH THE TEMPORARY TRAFFIC SIGNALS IN ACCORDANCE WITH HWY STD 701321.
- REMOVAL OF THE RUMBLE STRIPS AFTER STAGED CONSTRUCTION SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE TO THE EXISTING PAVEMENT FROM THE RUMBLE STRIPS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THERE WILL BE NO ADDITIONAL COMPENSATION.
- ALL TEMPORARY PAVEMENT MARKINGS, DRUMS, ETC. SHALL BE PLACED PRIOR TO PLACING TEMPORARY CONCRETE BARRIERS.

ADDITIONAL NOTES

- THE PERMANENT GUARDRAIL SHALL BE INSTALLED AT THE PROPER HEIGHT REQUIREMENTS LISTED ON HWY STD 630001 AFTER PCC PAVEMENT HAS BEEN PLACED.

MODEL SHEET 1
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PLOT DATE = 10/28/2021

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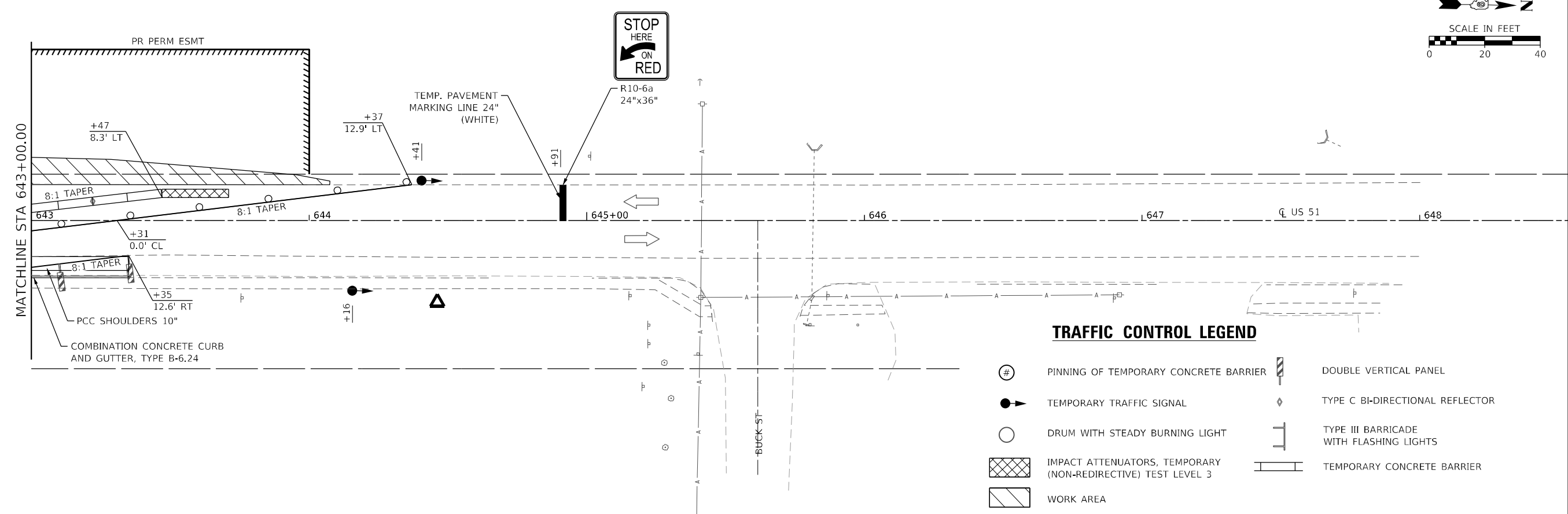
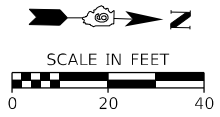
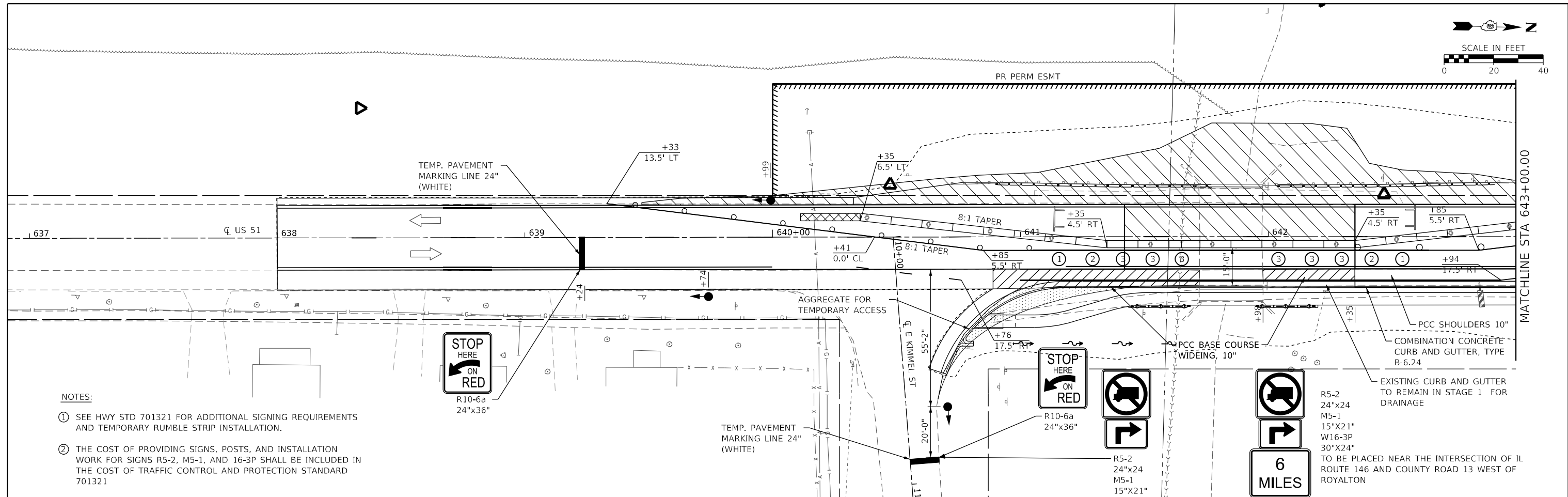
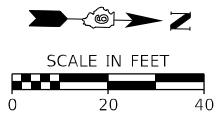
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TYPICAL SECTIONS
TRAFFIC CONTROL PLANS

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	17
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				



MODEL SHEET 2
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PLOT DATE = 10/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 PLAN VIEW TRAFFIC CONTROL PLANS			
SCALE:	SHEET 2	OF 4	SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 18
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

STAGE CONSTRUCTION GENERAL NOTES

- ONE LANE OF TRAFFIC ON US 51 SHALL BE MAINTAINED AT ALL TIMES.
- EMERGENCY ACCESS SHALL BE PROVIDED AT ALL TIMES.

SUGGESTED STAGE 2 CONSTRUCTION

PHASE 1

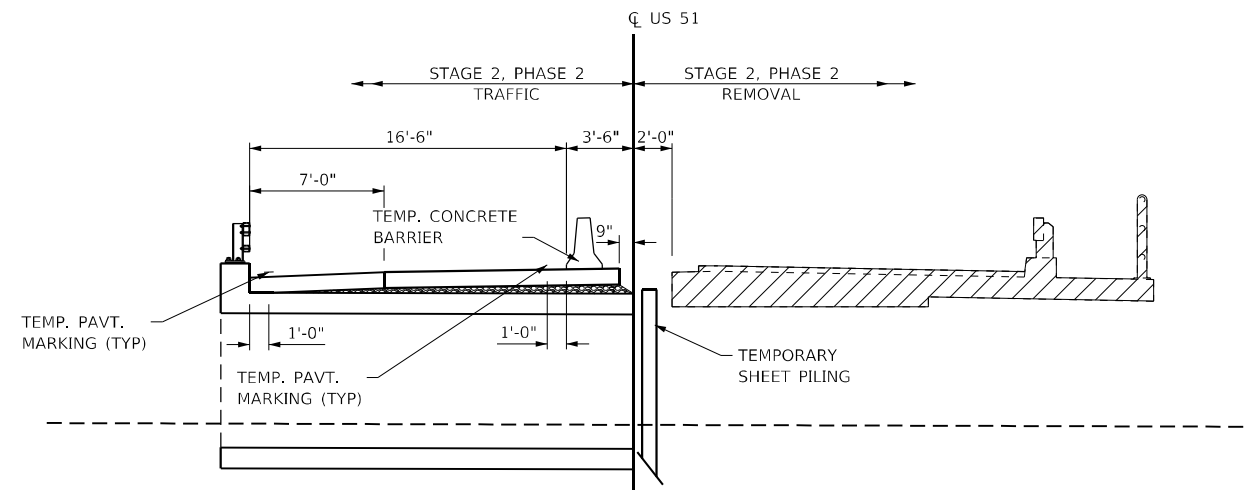
- UTILIZE TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 AND 701321.
- PLACE TEMPORARY TRAFFIC CONTROL AS SHOWN ON THE NEXT SHEET.

PHASE 2

- UTILIZE TRAFFIC CONTROL AND PROTECTION, STANDARD 701321, DIRECT TRAFFIC TO THE LEFT LANE OF US 51.
- REMOVE THE RIGHT SIDE OF EXISTING STRUCTURE.
- CONSTRUCT THE RIGHT SIDE OF DOUBLE BOX CULVERT, EMBANKMENT, ROADWAY, PCC SHOULDERS, CONCRETE CURB AND GUTTER, AND PCC SIDEWALK.
- INSTALL RAILING ON RIGHT SIDE OF US 51 AND COMPLETE DRAINAGE AND GRADING IMPROVEMENTS.

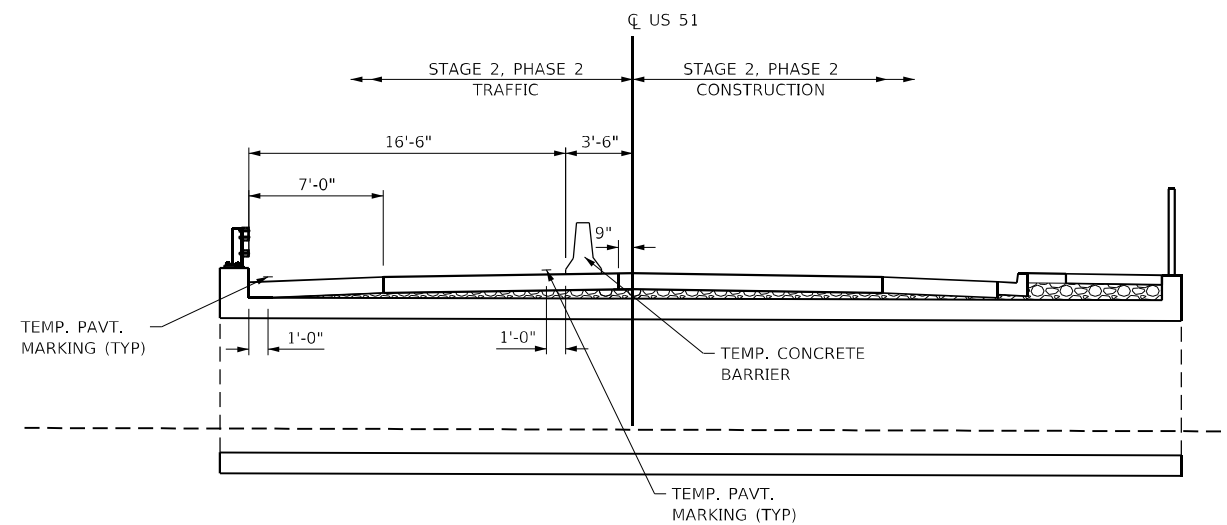
PHASE 3

- UTILIZE TRAFFIC CONTROL AND PROTECTION, STANDARD 701306, INSTALL PERMANENT PAVEMENT MARKINGS, REMOVE CONCRETE BARRIERS AND TRAFFIC CONTROL FEATURES FOR HIGHWAY STANDARD 701321.



STAGE 2 BRIDGE REMOVAL TYPICAL SECTION

(LOOKING NORTH AT STRUCTURE)
FOR INFORMATION ONLY



STAGE 2 BRIDGE CONSTRUCTION TYPICAL SECTION

(LOOKING NORTH AT STRUCTURE)
FOR INFORMATION ONLY

TRAFFIC CONTROL NOTES

- THREE PHASE SIGNAL OPERATION IS REQUIRED WHEN HWY STD 701321 IS IN EFFECT. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS.
- THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL MUTCD REQUIREMENTS.
- THE CONTRACTOR SHALL USE MICROWAVE DETECTION FOR USE WITH THE TEMPORARY TRAFFIC SIGNALS IN ACCORDANCE WITH HWY STD 701321.
- REMOVAL OF THE RUMBLE STRIPS AFTER STAGED CONSTRUCTION SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE TO THE EXISTING PAVEMENT FROM THE RUMBLE STRIPS SHALL BE REPAIRED BY THE CONTRACTOR'S EXPENSE. THERE WILL BE NO ADDITIONAL COMPENSATION.
- ALL TEMPORARY PAVEMENT MARKINGS, DRUMS, ETC. SHALL BE PLACED PRIOR TO PLACING TEMPORARY CONCRETE BARRIERS.

ADDITIONAL NOTES

- THE PERMANENT GUARDRAIL SHALL BE INSTALLED AT THE PROPER HEIGHT REQUIREMENTS LISTED ON HWY STD 630001 AFTER PCC PAVEMENT HAS BEEN PLACED.

MODEL SHEET 3
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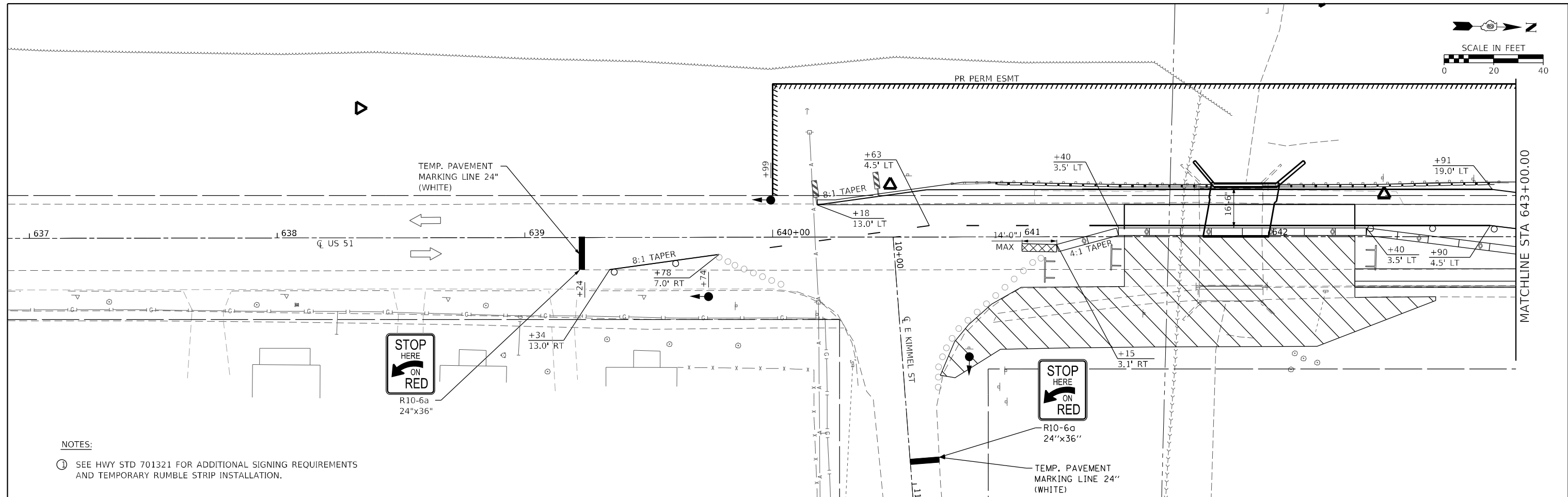
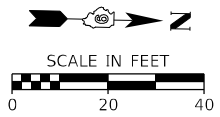
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

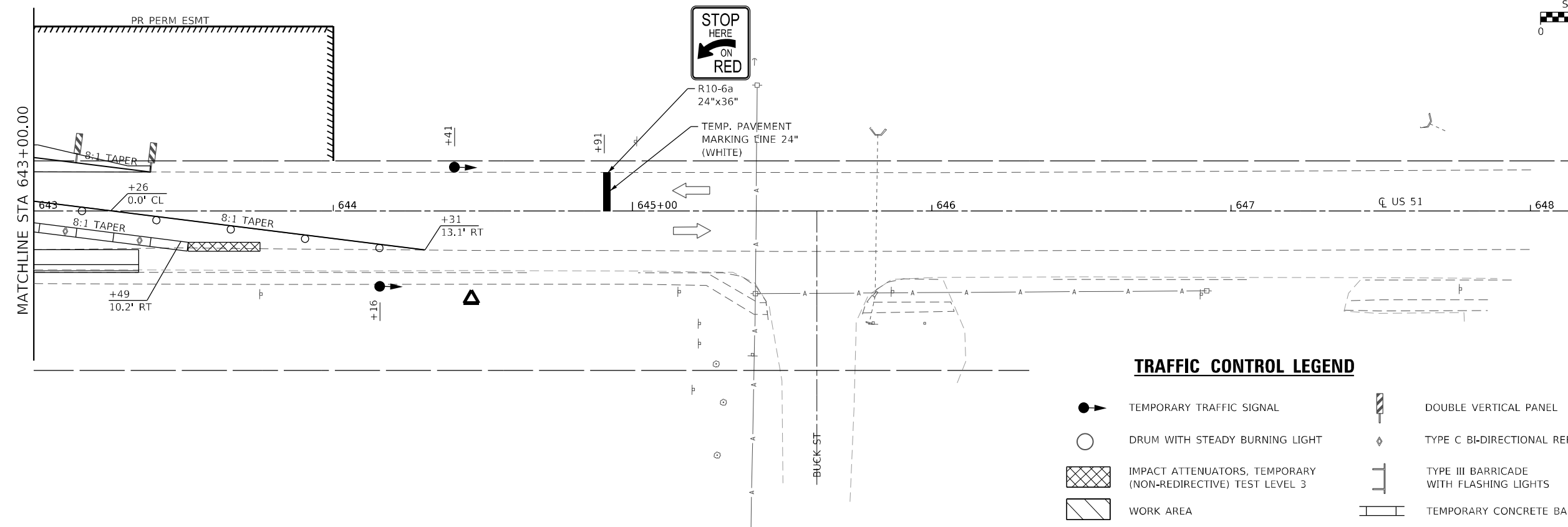
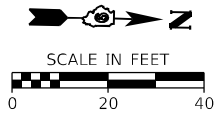
STAGE 2 TYPICAL SECTIONS
TRAFFIC CONTROL PLANS

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	19
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				



NOTES:
 ① SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS AND TEMPORARY RUMBLE STRIP INSTALLATION.



TRAFFIC CONTROL LEGEND

- → TEMPORARY TRAFFIC SIGNAL
- DRUM WITH STEADY BURNING LIGHT
- ▨ IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- ▧ WORK AREA
- ▬ DOUBLE VERTICAL PANEL
- ◇ TYPE C BI-DIRECTIONAL REFLECTOR
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER

MODEL SHEET 4
 FILE NAME: I:\220088 - IDOT PTB 106 Item 61220088.009 - US 51 in Elkville\CADD\MicroStation\CADD Drawings\220088.009-PTB\tsd\tsd.dwg



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


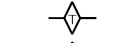



**STAGE 2 PLAN VIEW
 TRAFFIC CONTROL PLANS**

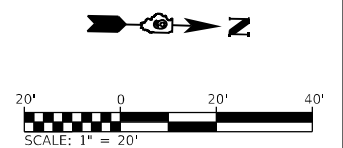
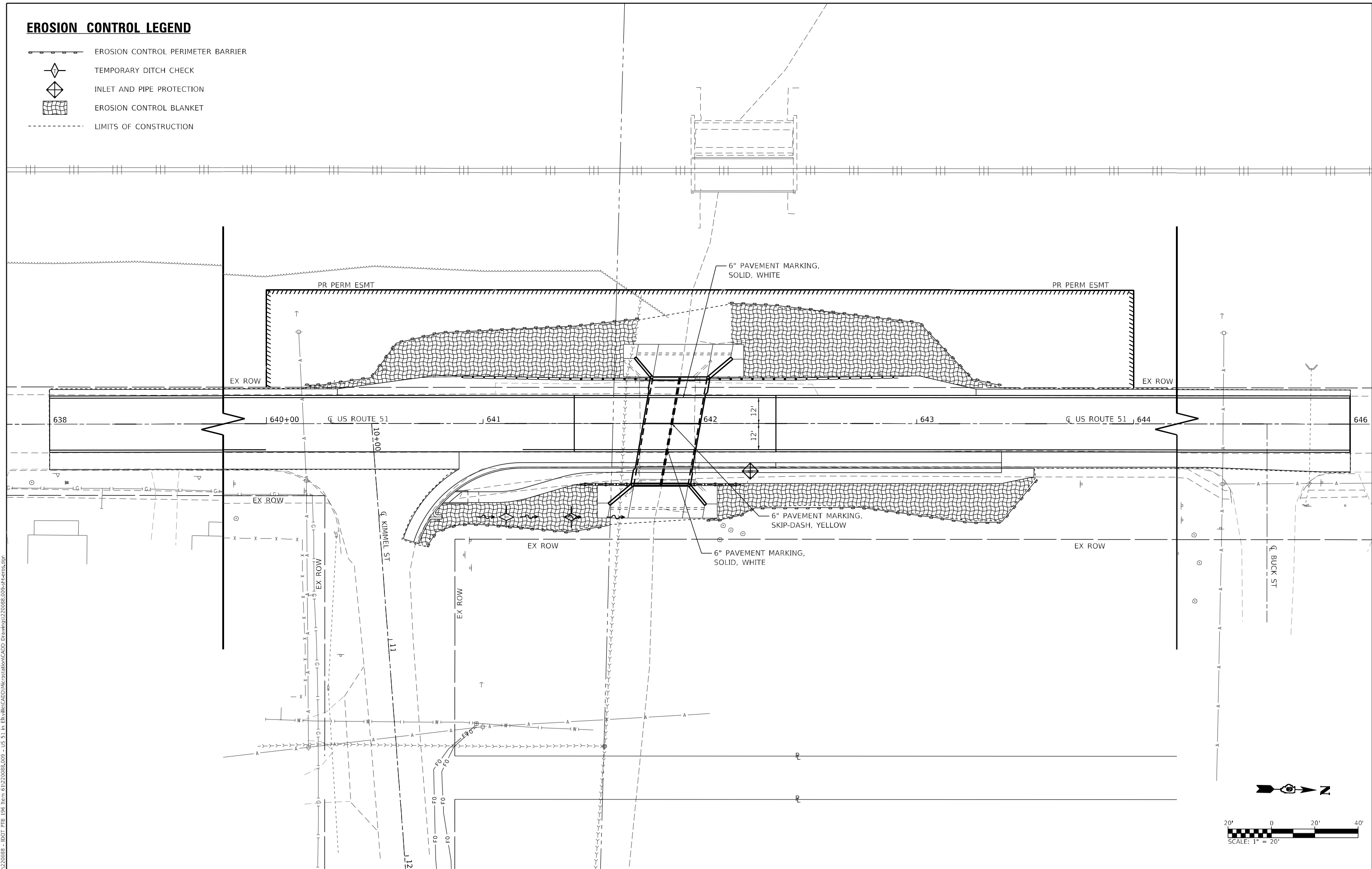
SCALE: _____ SHEET 4 OF 4 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	20
CONTRACT NO. 78595				

ILLINOIS FED. AID PROJECT

EROSION CONTROL LEGEND

-  EROSION CONTROL PERIMETER BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET
-  LIMITS OF CONSTRUCTION



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND PAVEMENT MARKING

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 638+00.0 TO STA. 646+00.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	21
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

PARCEL # 020 OWNER NAME ILLINOIS CENTRAL RAILROAD PURPOSE PERM. EASE. ACREAGE 0.413 ACRES±

NORTHWEST QUARTER
SECTION 20
T. 7 S., R. 1 W., 3RD P.M.

640+00.00
20 & 65 LT
JH212 JH213
S 88° 52' 10" W
45.00'

644+00.00
20 & 65 LT
JH215 JH214
N 88° 52' 10" E
45.00'

PERM. EASE.
400.00'
N 1° 07' 50" W

641+60.28
20.00 LT
JH216
P.O.B.

160.28'
S 1° 07' 50" E

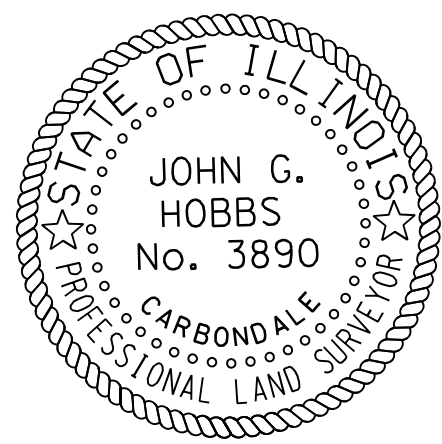
239.72'
S 1° 07' 50" E

EXISTING ROW

EXISTING ROW

SB ROUTE 2 (US 51)

EXISTING ROW



JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

Current license expires 11/2022.

This professional service conforms to the current Illinois minimum standards for a boundary survey.

10+00
KIMMEL STREET

EXISTING ROW

641+59.74
0.00 LT

640+87.00
50.00 RT

641+58.37
50.00 RT

EXISTING ROW

644+00.00
50.00 RT

SOUTHWEST QUARTER
SECTION 17
T. 7 S., R. 1 W., 3RD P.M.

EXISTING ROW

SECTION LINE

ALIGNMENT INFO
SB ROUTE 2 (US 51)

POINT#	STATION	NORTHING	EASTING
JH203	631+73.27	451673.88	723954.08
JH202	650+03.89	453504.15	723917.96

1" = 60 FEET



641+51.25
311.47 RT
RW501

NOTE:
AT THE STRUCTURE, RIGHT OF WAY IS BASED ON A 1920 CENTERLINE (APPROX. 3.0 FEET EAST OF CENTERLINE DEVELOPED 7-9-2010 BY SZ)

HORIZONTAL DATUM:
NAD 83 (1997 ADJUSTMENT) ILLINOIS EAST ZONE

PT#	NORTHING	EASTING
JH212	452500.05	723917.77
JH213	452499.17	723873.78
JH214	452899.09	723864.89
JH215	452899.98	723909.88
JH216	452660.30	723914.62
RW501	452657.81	724246.20

QUARTER SECTION LINE

QUARTER SECTION LINE

MODEL NUMBER: MAMTMS
FILE NAME: 81815

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




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

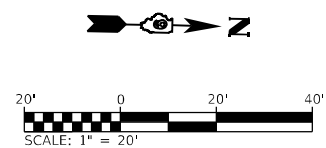
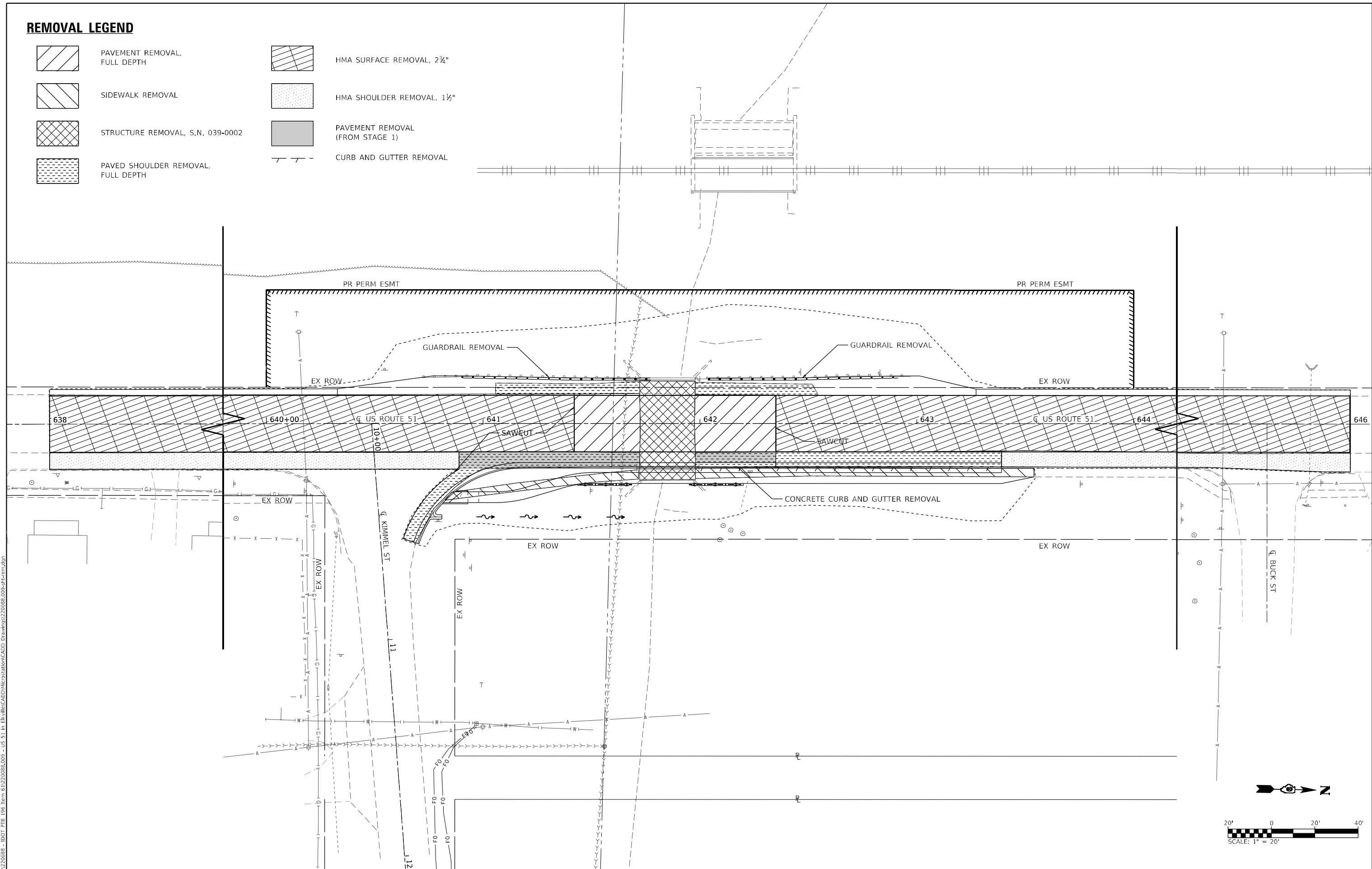
RIGHT OF WAY SHEET
SN 039-0002 US 51

SCALE: 1" = 60' SHEET 1 OF 1 SHEETS STA. 637+00.00 TO STA. 645+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	22
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

REMOVAL LEGEND

-  PAVEMENT REMOVAL, FULL DEPTH
-  SIDEWALK REMOVAL
-  STRUCTURE REMOVAL, S.N. 039-0002
-  PAVED SHOULDER REMOVAL, FULL DEPTH
-  HMA SURFACE REMOVAL, 2 3/4"
-  HMA SHOULDER REMOVAL, 1 1/2"
-  PAVEMENT REMOVAL (FROM STAGE 1)
-  CURB AND GUTTER REMOVAL



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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

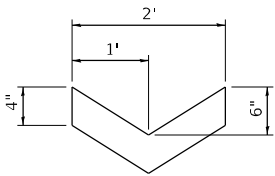
REMOVAL SHEET

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 638+00.0 TO STA. 646+00.0

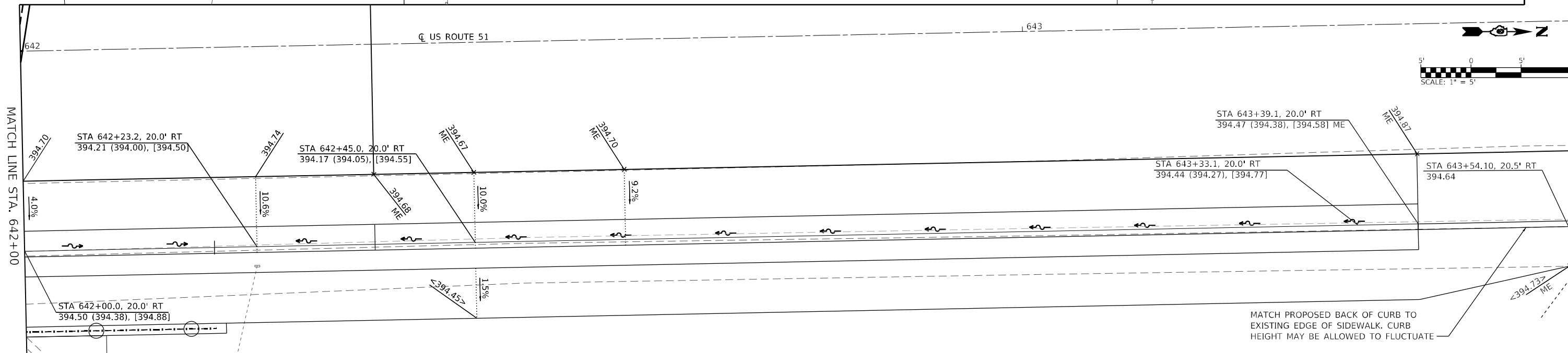
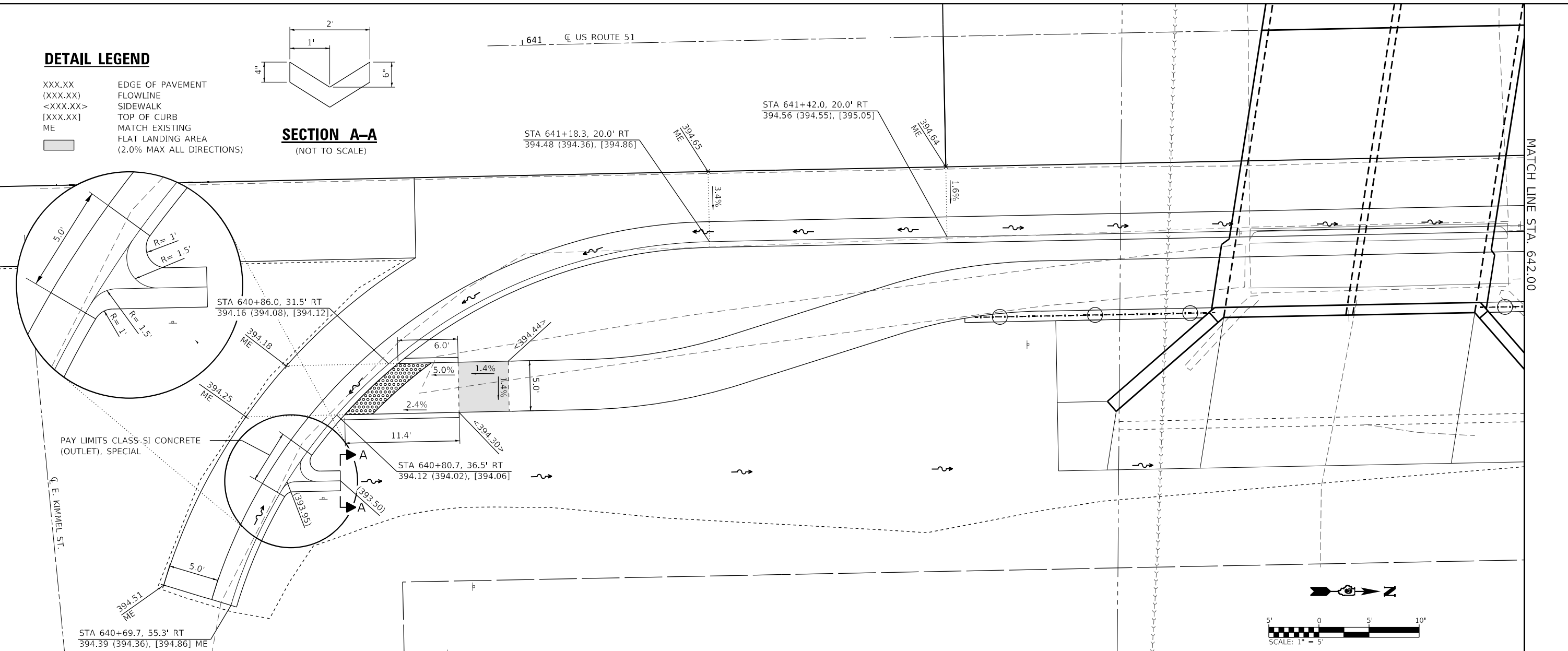
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	23
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

DETAIL LEGEND

- XXX.XX EDGE OF PAVEMENT
- (XXX.XX) FLOWLINE
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING
- FLAT LANDING AREA (2.0% MAX ALL DIRECTIONS)



SECTION A-A
(NOT TO SCALE)



MATCH PROPOSED BACK OF CURB TO EXISTING EDGE OF SIDEWALK. CURB HEIGHT MAY BE ALLOWED TO FLUCTUATE

MODEL Path: \\... \DOT_PTB_106_Item 612220088_009 - US 51 in Elm Hill CADD\Microstation\CADD_Drawing\220088_009-RT-coms_detail.dgn
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PLOT DATE = 10/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAMP AND GUTTER DETAILS

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

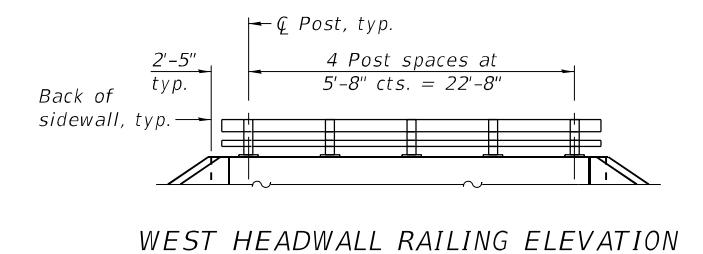
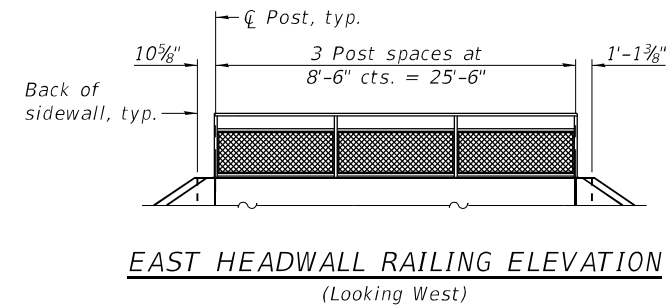
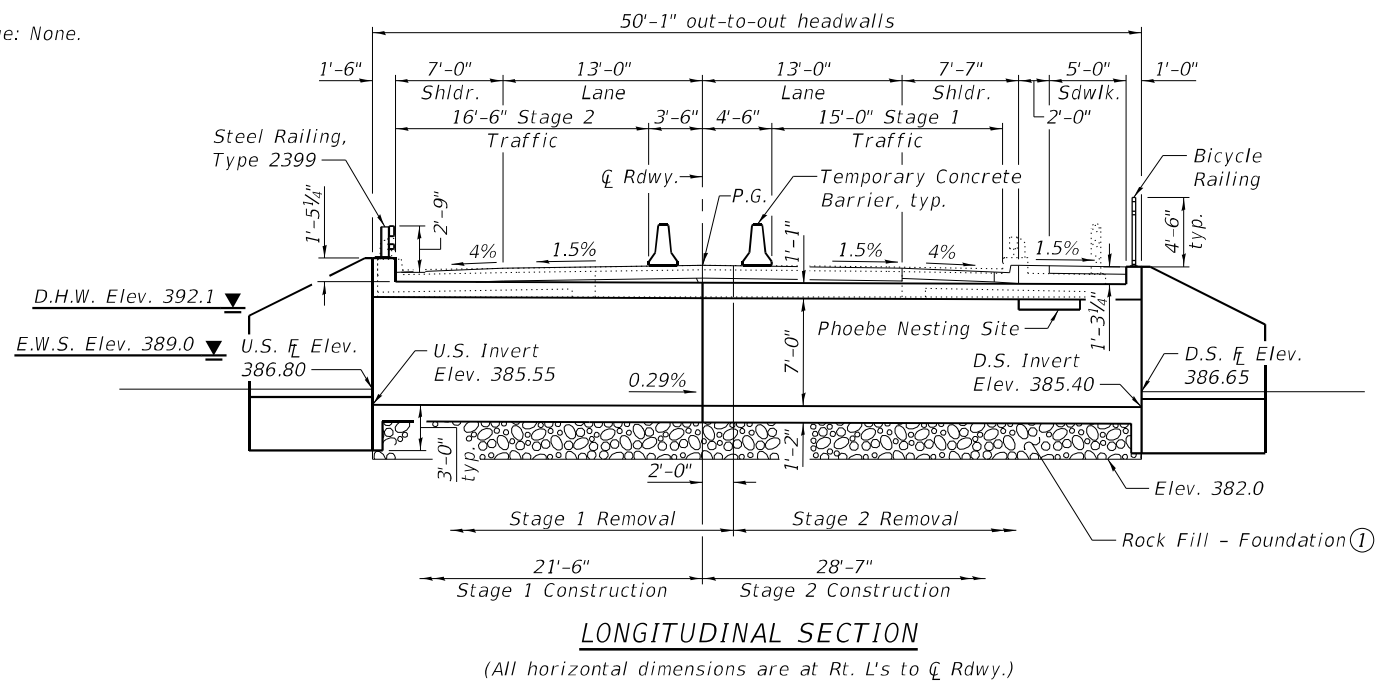
F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 24
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

Bench Mark: BM "A" - RR spike in light pole at the Southeast quadrant of US-51 and Kimmel Road, Sta. 640+18.43, 26.25' Rt., Elev. 396.66.

Existing Structure: S.N. 039-0002 was originally built in 1921 as S.B.I. Route 2, Section 4-B. The structure was widened in kind on both edges in 1954. The structure consists of a single span cast-in-place concrete slab supported by concrete closed abutments founded on spread footings. The back-to-back abutment length is 25'-11½" and the out-to-out deck width is 47'-5". Structure to be removed and replaced.

Traffic Control: One traffic lane will be maintained by utilizing staged construction.

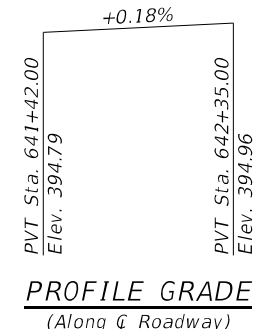
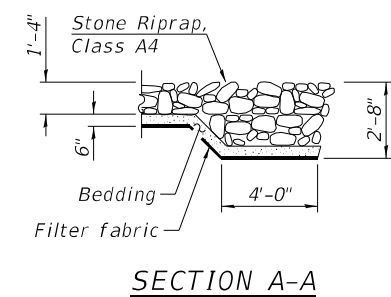
Salvage: None.



WATERWAY INFORMATION

Drainage Area = 1.48 Sq. Mi. Existing Low Grade Elev. 394.8 @ Sta. 641+50
Proposed Low Grade Elev. 394.8 @ Sta. 641+50

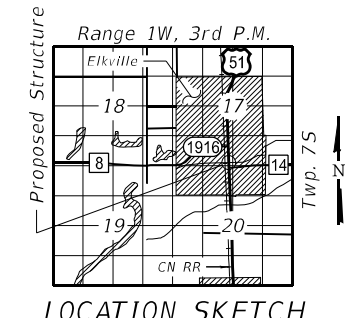
Flood	Freq. Yr.	Discharge C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	543	83	117	391.7	1.0	0.1	392.7	391.8
Base	50	883	94	128	392.1	2.5	0.7	394.6	392.8
Max. Calc.	100	1,040	98	132	392.3	2.8	1.0	395.1	393.3
	500	1,430	105	138	392.6	2.8	2.2	395.4	394.8



LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)



- Notes:
- For additional limits of Removal and Disposal of Unsuitable Material for Structures, and Rock Fill - Foundation, see Section Thru Barrel on Sheet 2 of 10.
 - Limits of Removal and Disposal of Unsuitable Material for Structures.
 - Existing concrete ties may be removed as necessary to install Temporary Sheet Piling.

Existing Underground Sanitary Sewer to be relocated by others

APPROVED
For Structural Adequacy Only
Carl Pappas
Engineer of Bridges & Structures

LICENSED STRUCTURAL ENGINEER
KERMIT B CHRISTMANN
081 008442
STATE OF ILLINOIS

Kermit B. Christmann

DATE: 10/27/2021
EXPIRATION: 11/30/2022

GENERAL PLAN & ELEVATION
U.S. ROUTE 51 OVER STREAM IN ELKVILLE
F.A.P. RTE. 322 - SEC. 4B-2
JACKSON COUNTY
STATION 641+87.00
STRUCTURE NO. 039-2032

FILE NAME: H:\P220088 - IDOT PTB - 196 Item 611220088-009 - US 51 in Elkville\Bridge\Final Plans\Microstation\0392032-78595-001-General Plan & Elevation.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

USER NAME =	DESIGNED - KBC	REVISIONS -
PLOT SCALE =	CHECKED - JAD	REVISIONS -
PLOT DATE = 10/27/2021	DRAWN - KBC	REVISIONS -
	CHECKED - JAD	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 039-2032
SHEET 1 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	25
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

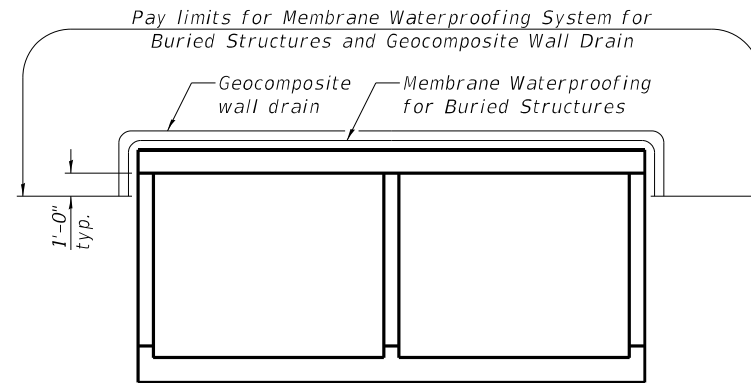
Reinforcement bars designated (E) shall be epoxy coated.

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

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

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage 1 removal to ensure the remaining portion will not be prematurely damaged.

Precast alternate is not allowed.



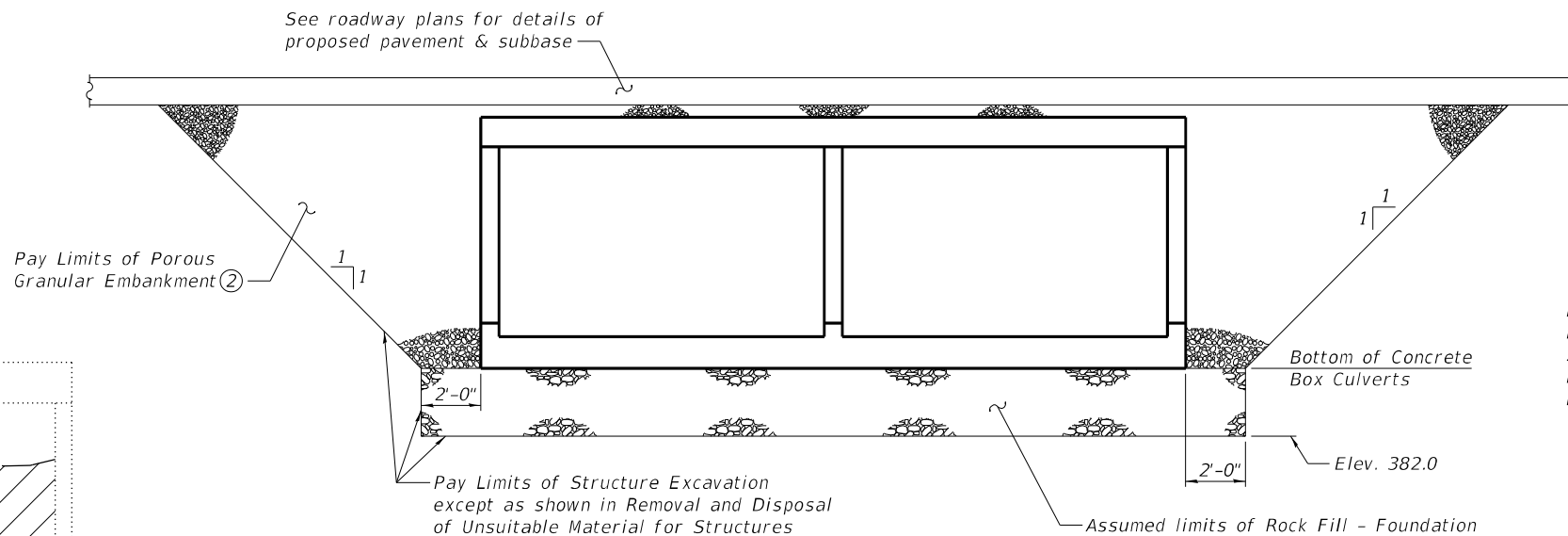
MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES

TOTAL BILL OF MATERIAL

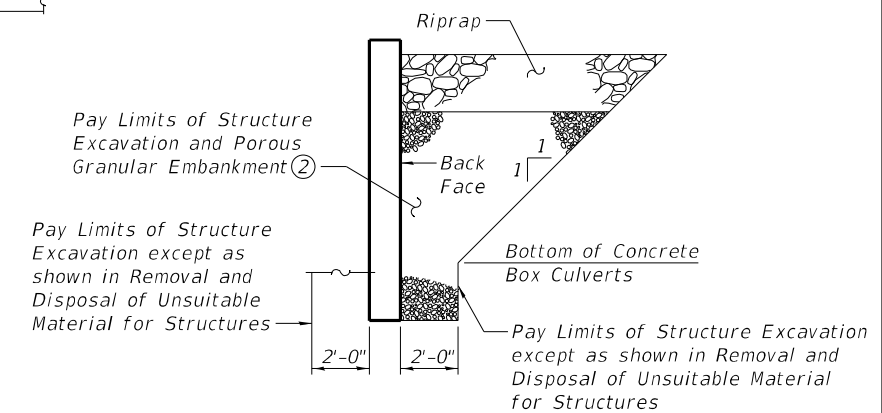
ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	293
Stone Riprap, Class A4	Sq. Yd.	187
Filter Fabric	Sq. Yd.	187
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	390
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	255
Protective Coat	Sq. Yd.	17
Reinforcement Bars, Epoxy Coated	Pound	35,350
Bar Splicers	Each	128
Steel Railing, Type 2399	Foot	27
Bicycle Railing	Foot	26
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	509
Concrete Box Culverts	Cu. Yd.	171.3
Geocomposite Wall Drain	Sq. Yd.	163
Rock Fill - Foundation	Ton	225
Temporary Support System	Each	1
Membrane Waterproofing System for Buried Structures	Sq. Yd.	163

STATION 641+87.00
BUILT 202 BY
STATE OF ILLINOIS
F.A.P. RT. 322 SEC. 4B-2
LOADING HL-93
STRUCTURE NO. 039-2032

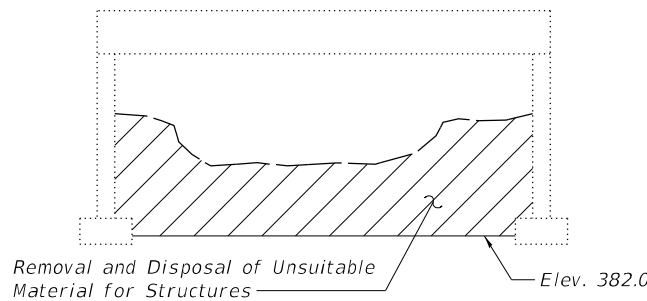
NAME PLATE
See Std. 515001



SECTION THRU BARREL
(Horiz. dim. at Rt. L's)



SECTION THRU WINGWALL
(Horiz. dim. at Rt. L's)

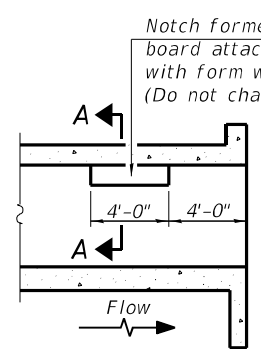


REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES

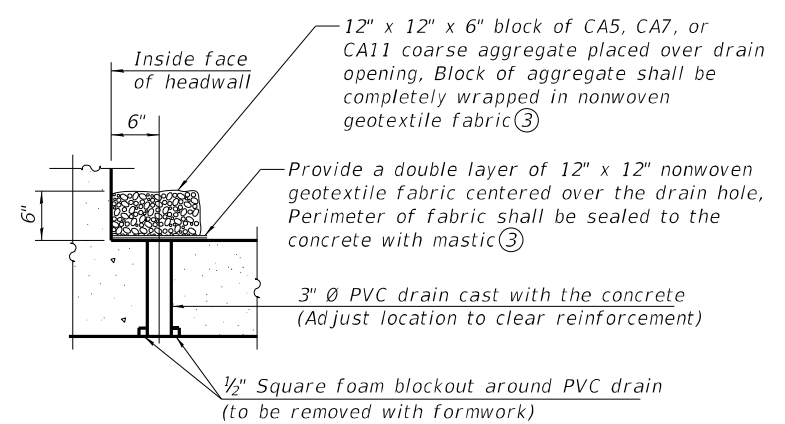
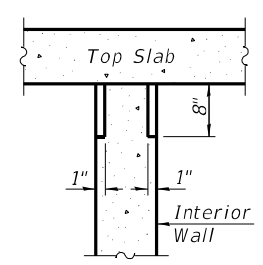
INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	General Data
3	Stage Construction Details
4	Temporary Concrete Barrier
5	Culvert Plan
6	Culvert Details
7	Steel Railing, Type 2399
8	Bicycle Railing
9	Bar Splicer Assembly and Mechanical Splicer Details
10	Soil Boring Logs

- Notes:
- ① Excavation below bottom of Concrete Box Culverts shall be paid for as Removal and Disposal of Unsuitable Material for Structures. Backfill shall be paid for as Rock Fill - Foundation, see special provisions. The excavated area below bottom of Concrete Box Culverts adjacent to the stage line shall be backfilled immediately following excavation of unsuitable material, as directed by the Engineer.
 - ② Porous Granular Embankment shall extend the entire length of the box and along back face of wingwalls below the riprap bedding material.
 - ③ Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 - ④ All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.



PHOEBE NESTING SITE DETAILS
(Downstream End Only)



DRAIN DETAIL

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-009 - US 51 in Elkville\Bridges\Final Plans\Microstation\0392032-78595-002-General Data.dgn

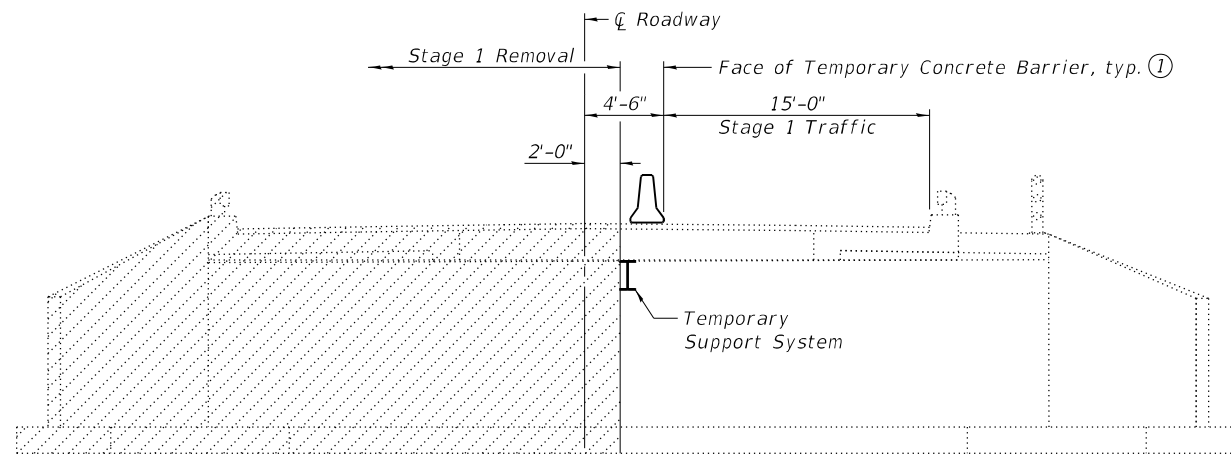


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PLOT SCALE =	CHECKED - JAD	REVISED -
PLOT DATE = 12/15/2021	DRAWN - KBC	REVISED -
	CHECKED - JAD	REVISED -

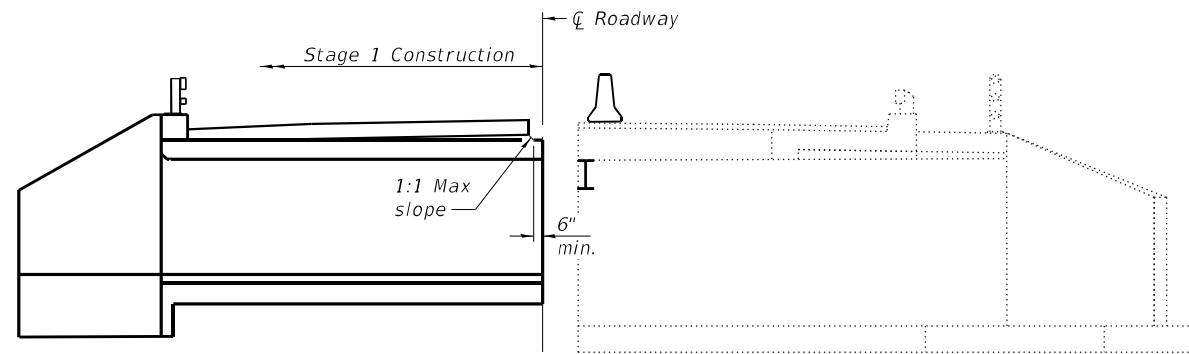
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 039-2032
SHEET 2 OF 10 SHEETS

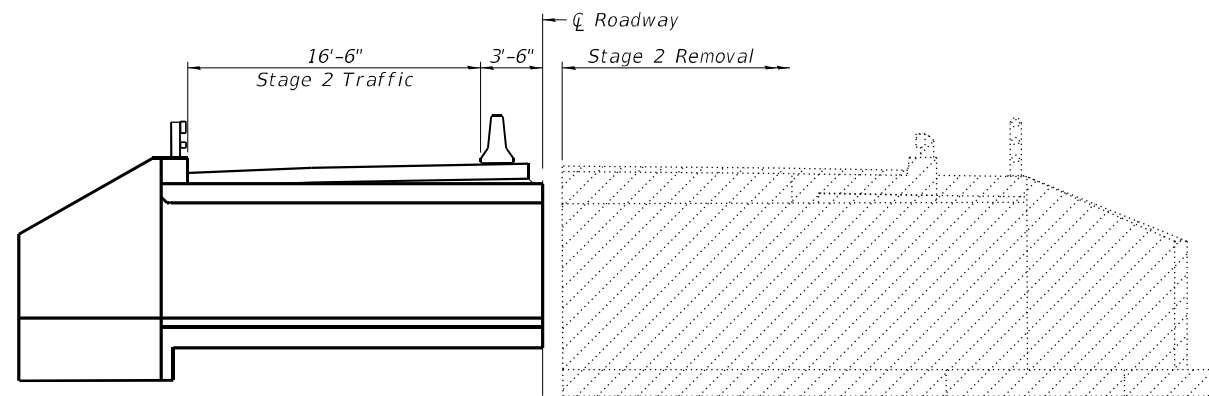
F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 26
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				



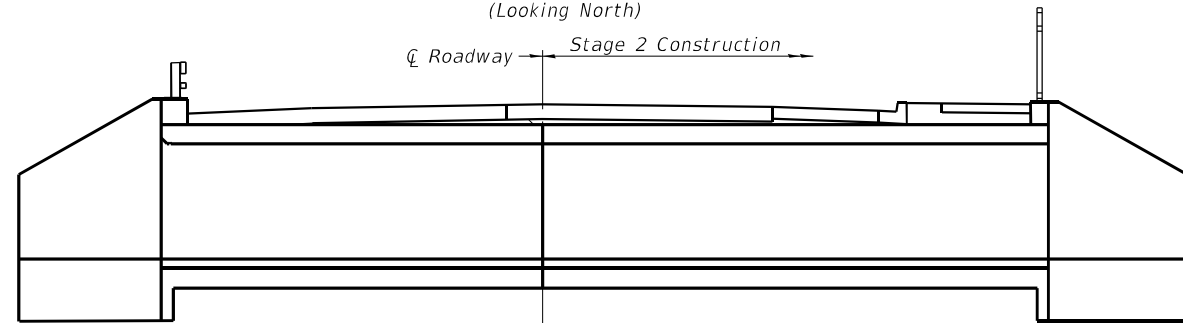
STAGE 1 REMOVAL ③
(Looking North)



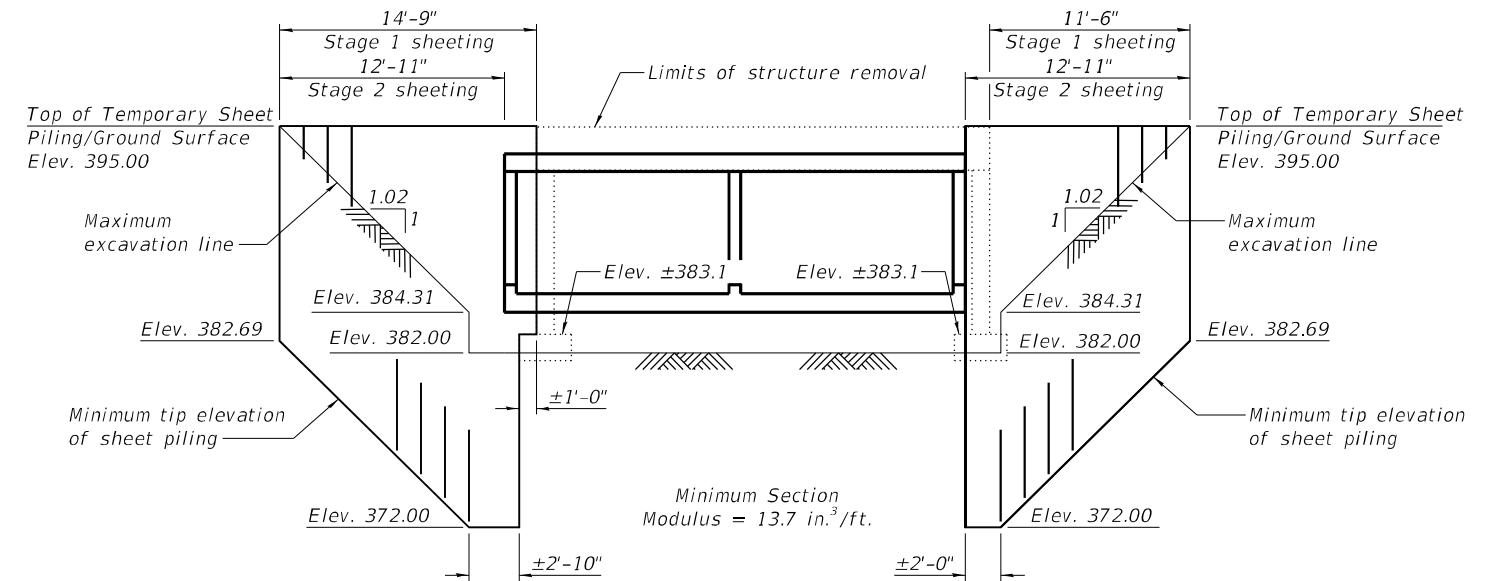
STAGE 1 CONSTRUCTION
(Looking North)



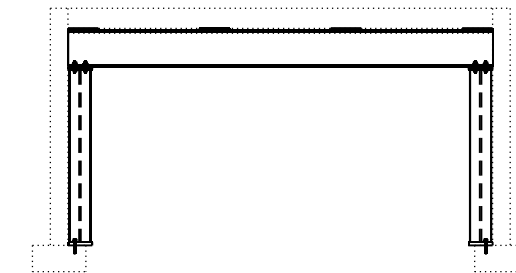
STAGE 2 REMOVAL ③
(Looking North)



STAGE 2 CONSTRUCTION
(Looking North)



TEMPORARY SHEET PILING DETAIL
(Along Stage Removal Line, Looking East)



TEMPORARY SUPPORT SYSTEM
(Looking East)

Notes:

- ① For details of Temporary Concrete Barrier, see sheet 4 of 10. For quantity of Temporary Concrete Barrier and related traffic control, see roadway plans.
- ② Hatched area indicates Removal of Existing Structures.
- ③ Portions of the existing structure within the footprint of the proposed culvert shall be removed entirely. Portions of the existing structure beyond the footprint of the proposed culvert shall be removed to the limits of Structure Excavation.
- ④ If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
- ⑤ The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

FILE NAME: H:\P220088 - IDOT PTB 196 Item 61220088-009 - US 51 in Elkhart/Bridge/Final Plans\Microstation\0392032-78595-003-Stage Construction Details.dgn



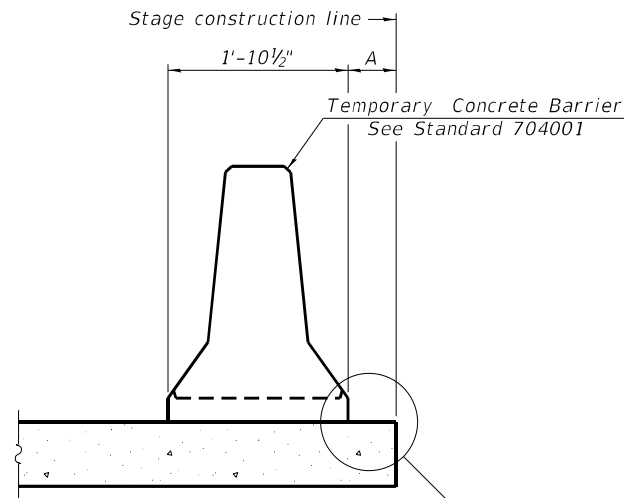
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	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - KBC	REVISED -
PLOT DATE = 10/27/2021	CHECKED - JAD	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 039-2032**

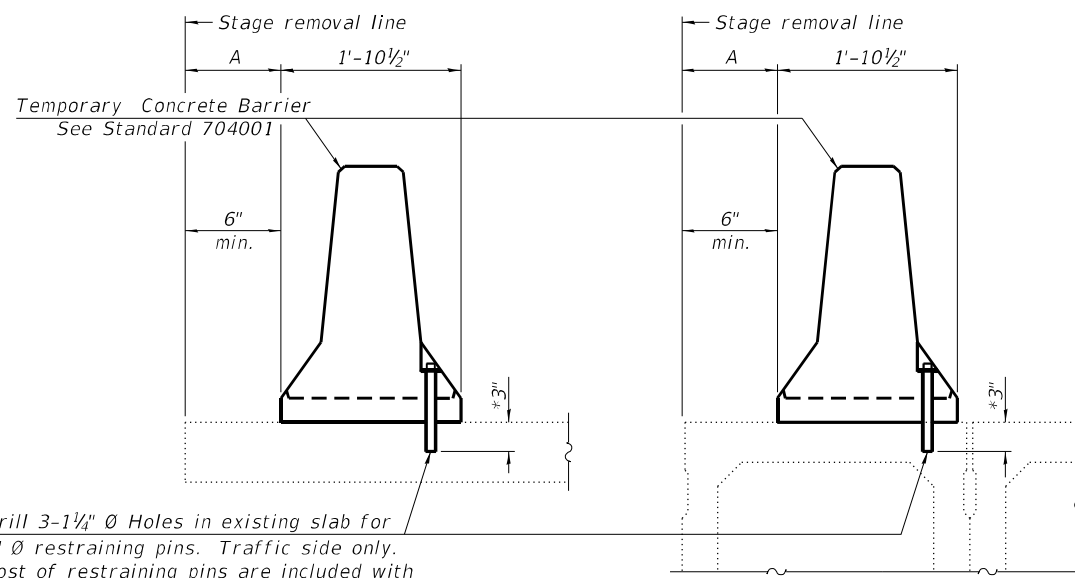
SHEET 3 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	27
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				



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

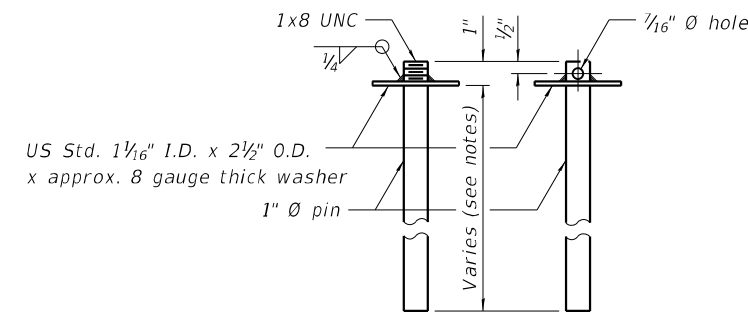
NEW SLAB OR NEW DECK BEAM



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

EXISTING SLAB

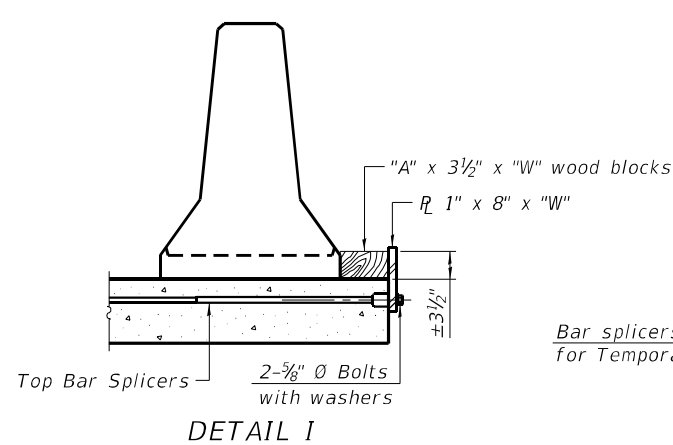
EXISTING DECK BEAM



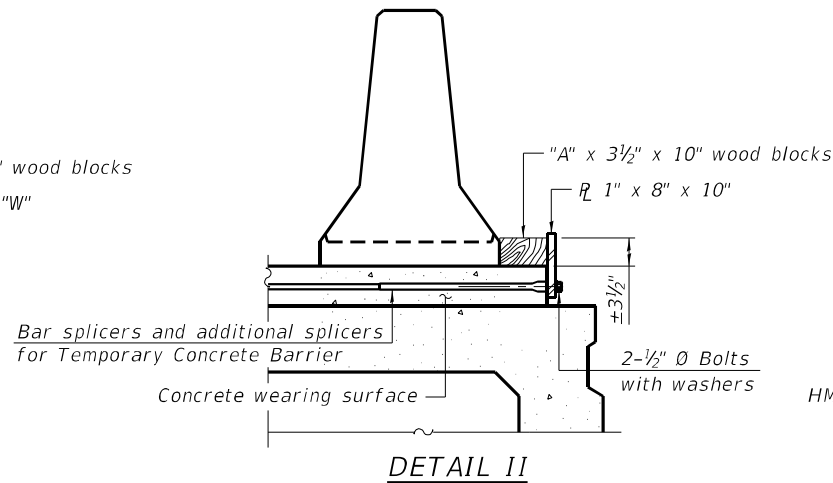
RESTRAINING PIN

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

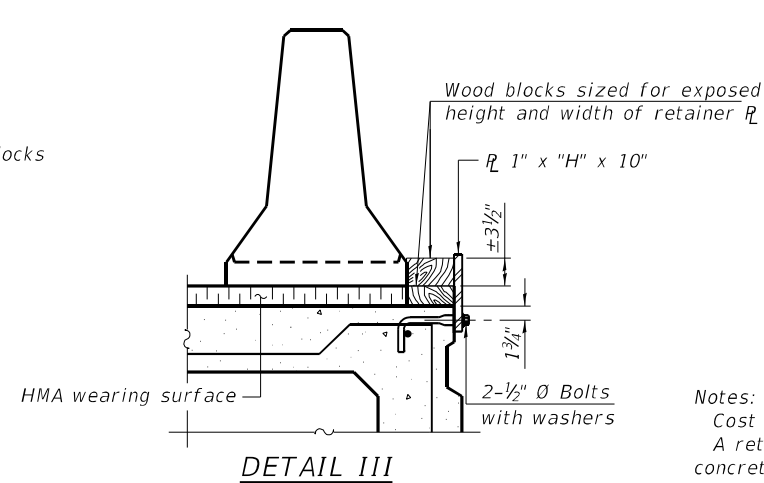
SECTIONS THRU SLAB OR DECK BEAM



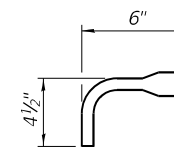
DETAIL I



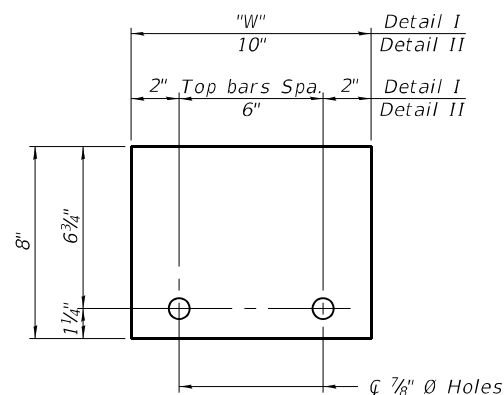
DETAIL II



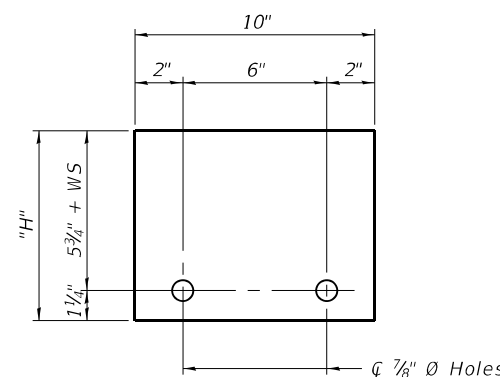
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

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

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

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 10-12-2021

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-009 - US 51 in Elkhartville\Bridges\Final Plans\Microstation\0392032-78595-004-Temporary Concrete Barrier.dgn



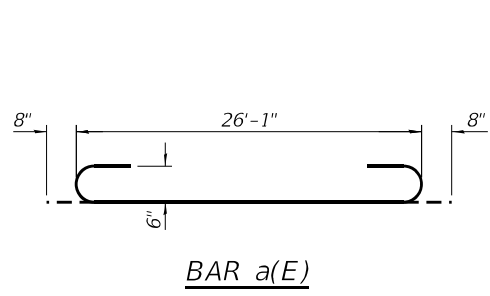
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 12/15/2021	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

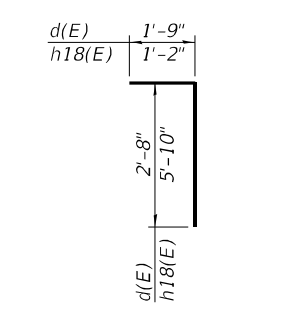
TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 039-2032

SHEET 4 OF 10 SHEETS

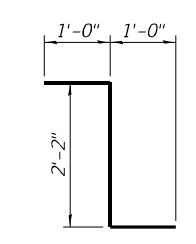
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	28
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				



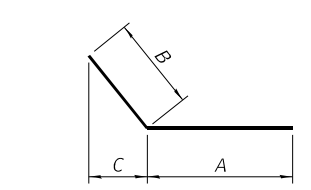
BAR a(E)



BARS d(E) & h18(E)

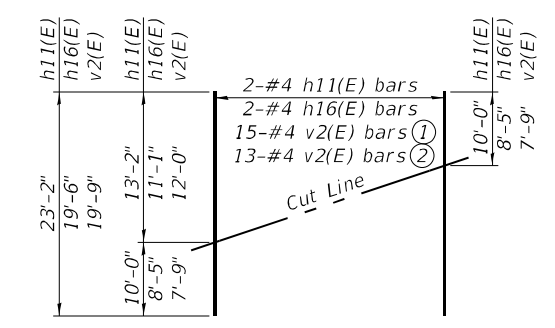


BARS h17(E)



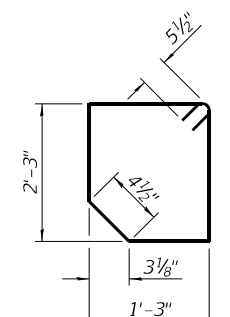
BARS h7(E), h8(E), h9(E), h12(E), h13(E), & h14(E)

Bar	A	B	C
h7(E)	8'-1"	5'-0"	3'-10"
h8(E)	13'-3"	5'-0"	3'-10"
h9(E)	15'-1"	3'-6"	2'-8 1/2"
h12(E)	6'-5"	5'-0"	3'-2 5/8"
h13(E)	11'-6"	5'-0"	3'-2 5/8"
h14(E)	12'-3"	4'-1"	2'-7 1/2"

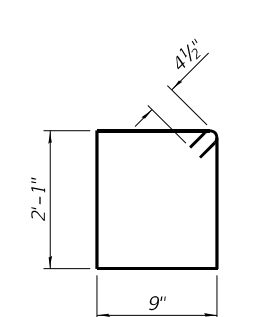


FIELD CUTTING DIAGRAM

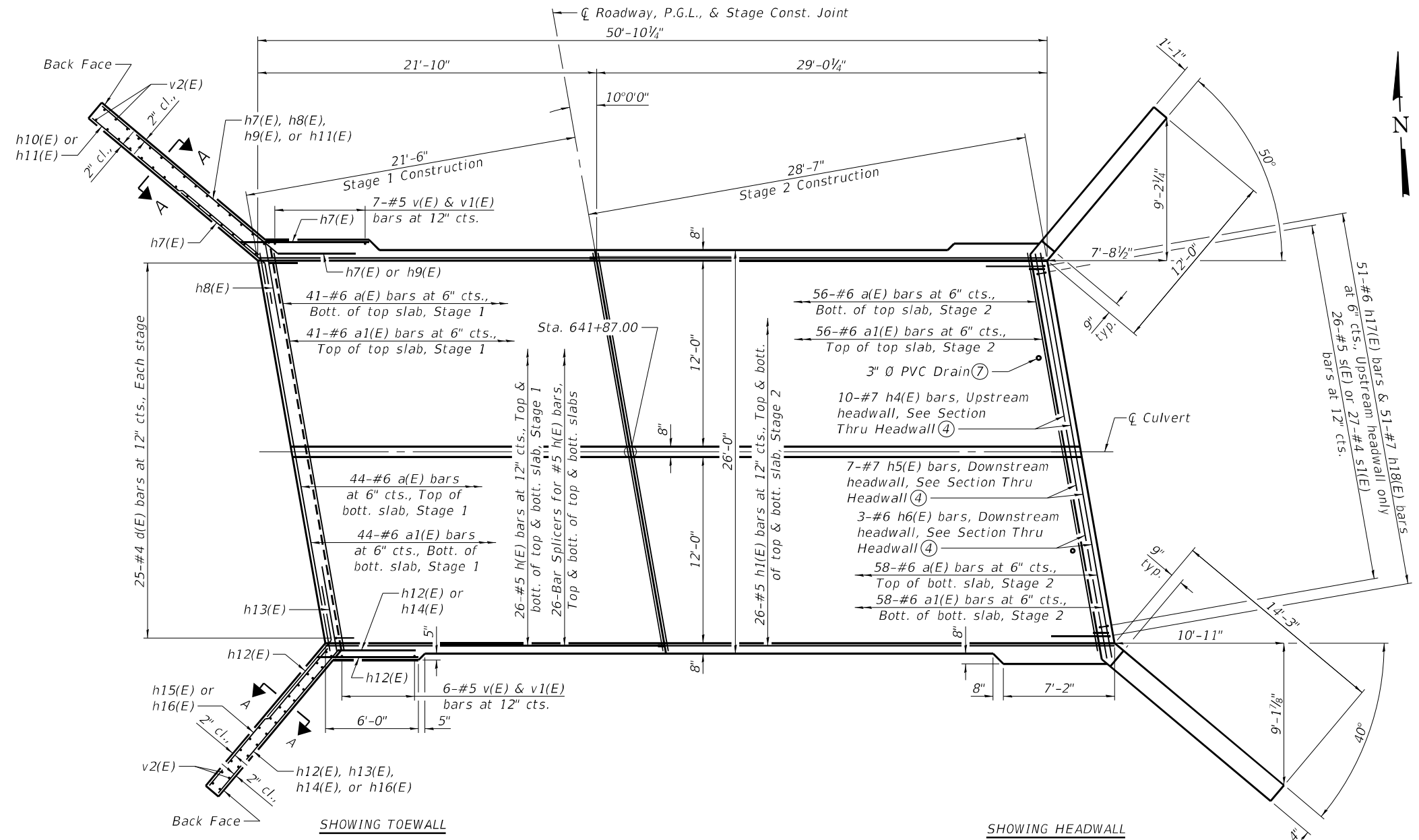
Order h11(E), h16(E), and v2(E) full length. Cut as shown and use remainder of bars in opposite face of wing.



BAR s(E)



BAR s1(E)



PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	199	#6	27'-5"	
a1(E)	199	#6	26'-1"	
a2(E)	2	#4	27'-0"	
d(E)	50	#4	4'-5"	
h(E)	104	#5	21'-4"	
h1(E)	104	#5	28'-8"	
h2(E)	24	#4	21'-6"	
h3(E)	24	#4	28'-8"	
h4(E)	10	#7	25'-2"	
h5(E)	7	#7	26'-2"	
h6(E)	3	#6	26'-2"	
h7(E)	60	#7	13'-1"	
h8(E)	8	#7	18'-3"	
h9(E)	24	#7	18'-7"	
h10(E)	16	#4	13'-11"	
h11(E)	4	#4	23'-2"	
h12(E)	60	#7	11'-5"	
h13(E)	8	#7	16'-6"	
h14(E)	24	#7	16'-4"	
h15(E)	16	#4	11'-8"	
h16(E)	4	#4	19'-6"	
h17(E)	51	#6	4'-2"	
h18(E)	51	#7	7'-0"	
s(E)	26	#5	7'-9"	
s1(E)	27	#4	6'-5"	
v(E)	332	#5	4'-9"	
v1(E)	332	#5	7'-3"	
v2(E)	56	#4	19'-7"	
Reinforcement Bars, Epoxy Coated			Pound	35,350
Concrete Box Culverts			Cu. Yd.	171.3

- Notes:
- Northwest and Southeast wingwalls.
 - Northeast and Southwest wingwalls.
 - A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 - For Section Thru Headwall, see sheet 6 of 10.
 - For Section A-A, see sheet 6 of 10.
 - For details of Bar Splicers, see sheet 9 of 10.
 - One drain shall be located midspan of the top slab of each barrel at downstream end of the culvert. For drain details, see sheet 2 of 10.
 - At the Contractor's option, a longer v(E) bar may be ordered to replace the v1(E) bar. No reduction in quantities shall be made for this substitution.

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-009 - US 51 in Elkhartville Bridge Final Plans\Microstation\0392032-78595-005-Culvert_Plan.dgn



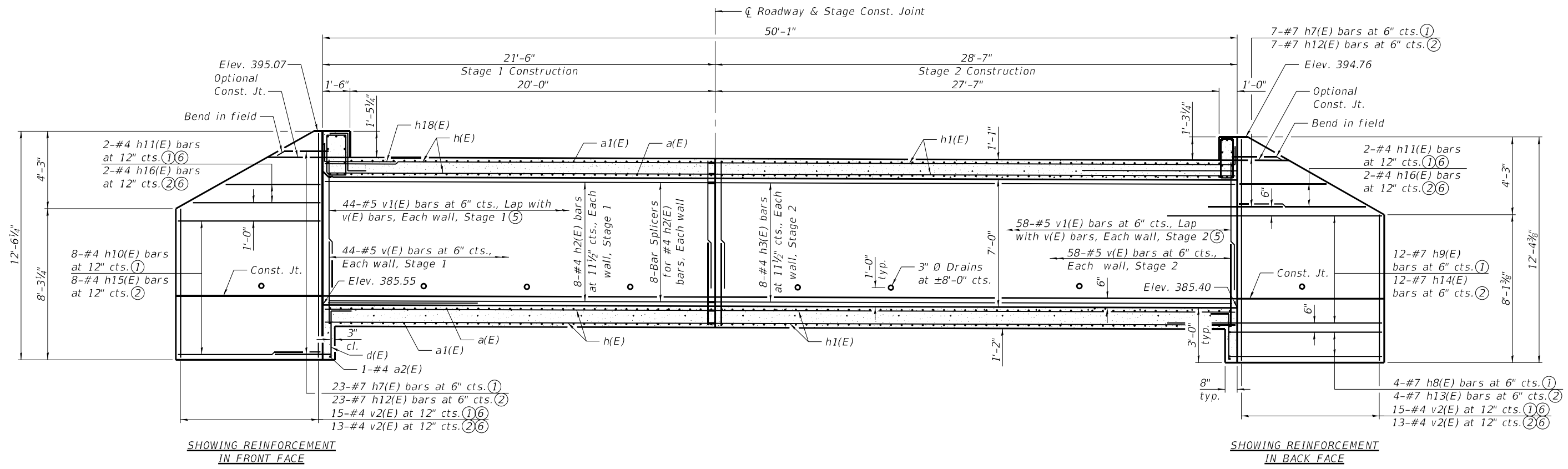
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PLOT SCALE =	CHECKED - JAD	REVISED -
PLOT DATE = 10/27/2021	DRAWN - KBC	REVISED -
	CHECKED - JAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

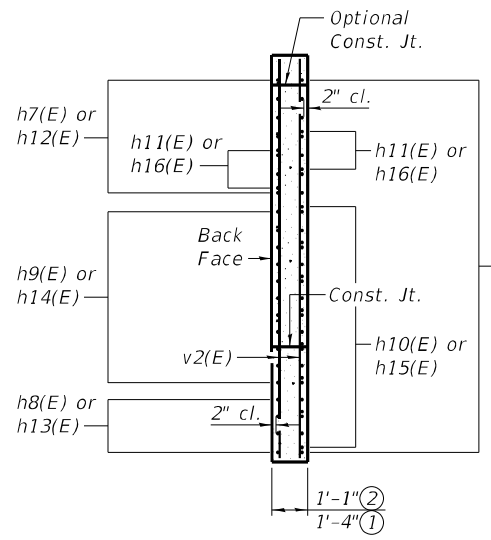
CULVERT PLAN
STRUCTURE NO. 039-2032

SHEET 5 OF 10 SHEETS

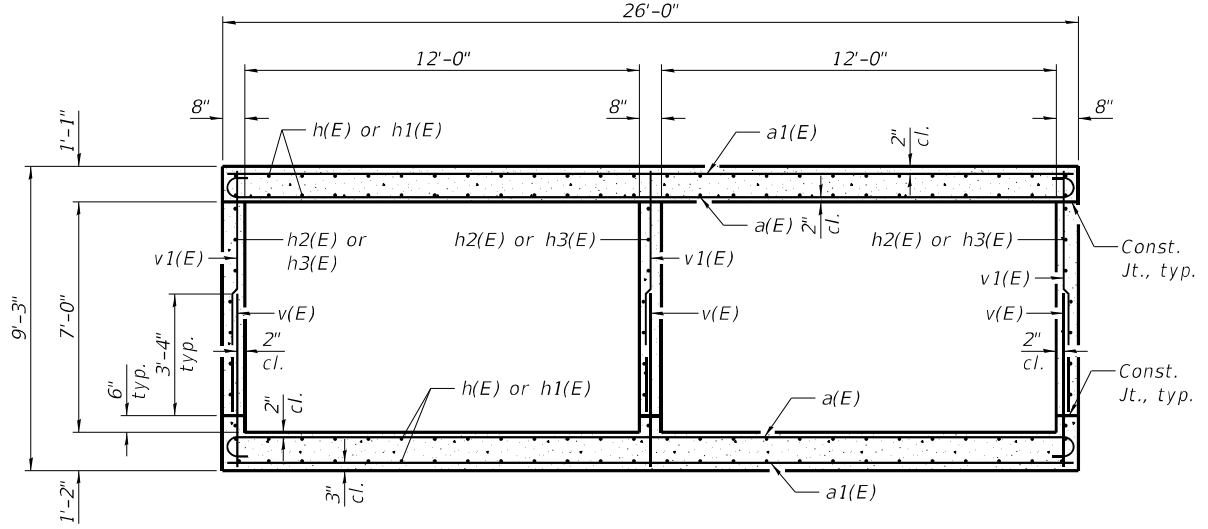
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	29
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				



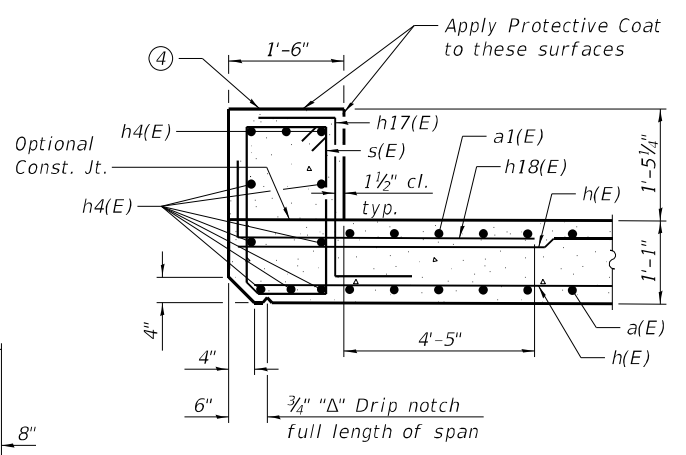
LONGITUDINAL SECTION
(Dimensions at Rt. L's to \bar{c} of Roadway)



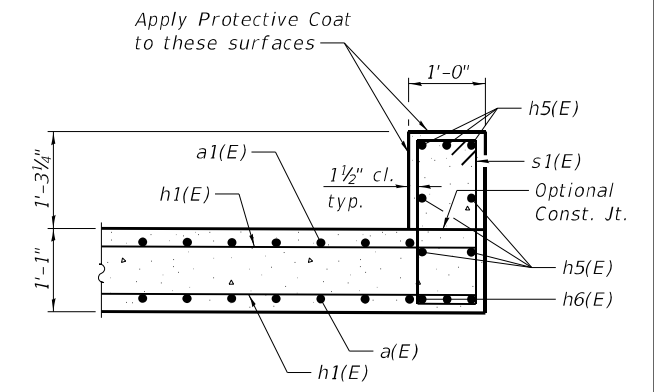
SECTION A-A



SECTION THRU BARREL



UPSTREAM



DOWNSTREAM

SECTION THRU HEADWALL

- Notes:
- ① Northwest and Southeast wingwalls.
 - ② Northeast and Southwest wingwalls.
 - ③ A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 - ④ Slope top of headwall towards roadway at 1/4" per 12".
 - ⑤ At the Contractor's option, a longer v(E) bar may be ordered to replace the v1(E) bar. No reduction in quantities shall be made for this substitution.
 - ⑥ See Field Cutting Diagram on sheet 5 of 10.

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-009 - US 51 in Elkhart/Bridge/Plans/Microstation\0392032-78595-006-Culvert_Details.dgn



USER NAME =	DESIGNED - KBC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

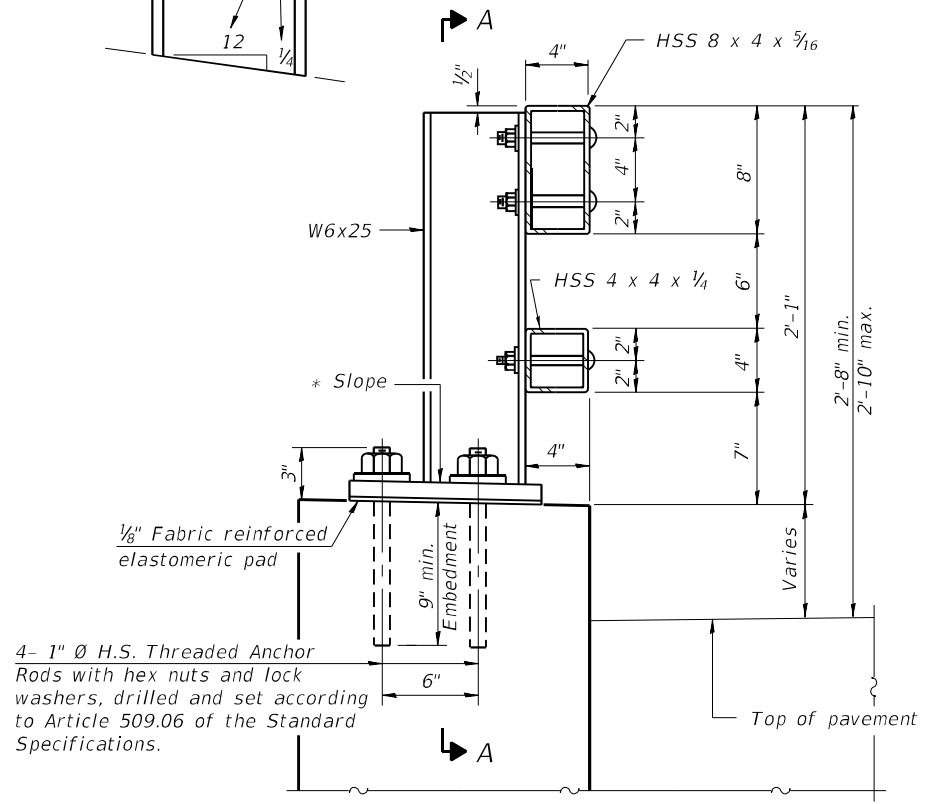
**CULVERT DETAILS
STRUCTURE NO. 039-2032**

SHEET 6 OF 10 SHEETS

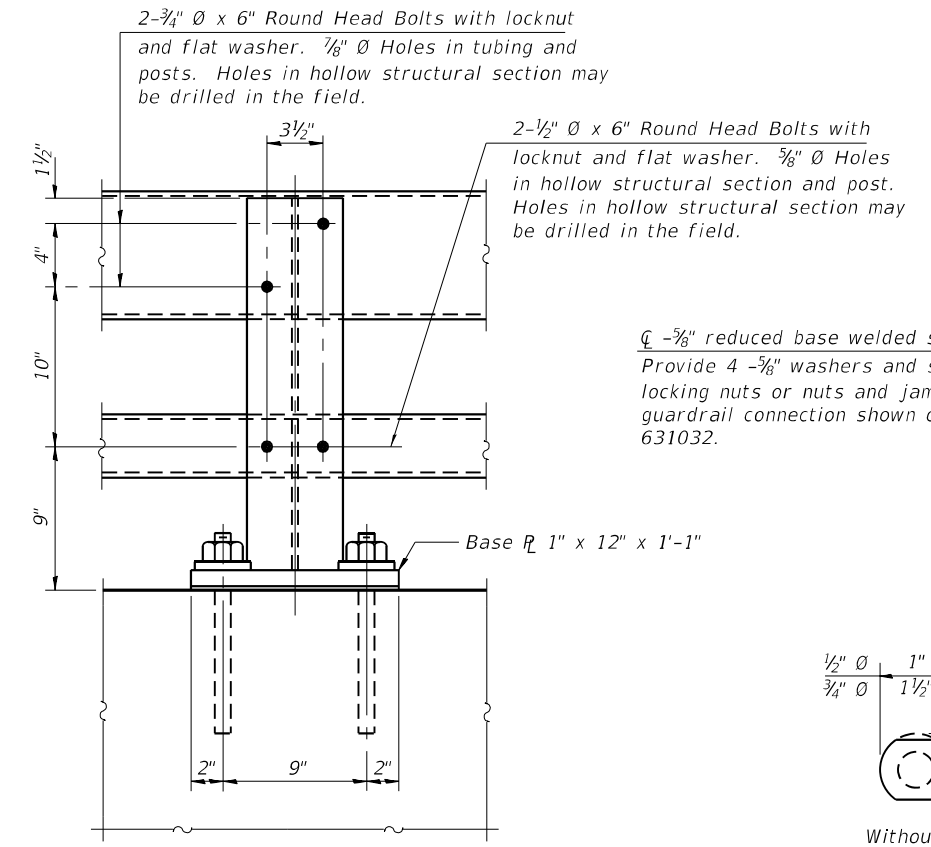
F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 30
CONTRACT NO. 78595				

ILLINOIS FED. AID PROJECT

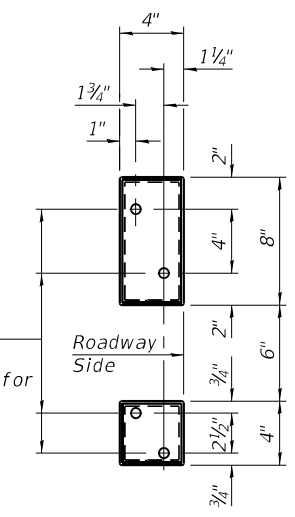
* Cut bottom end of post to curb slope.



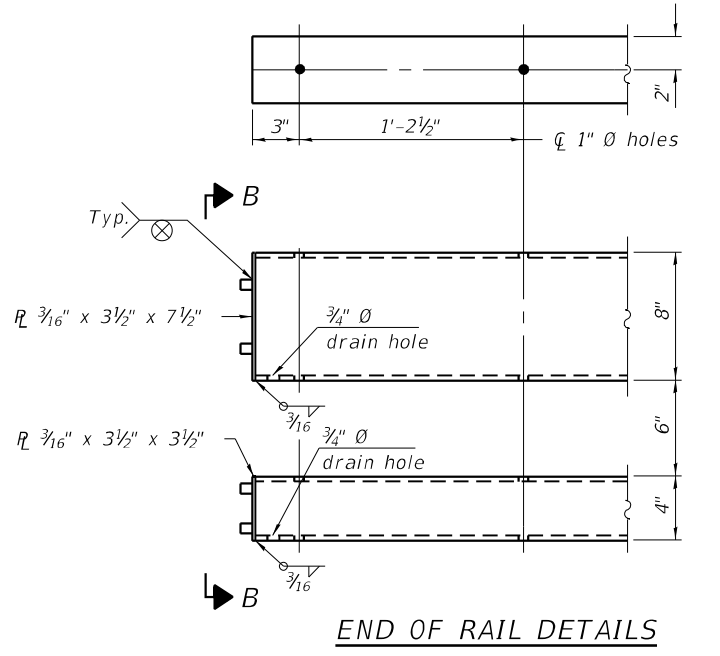
SECTION AT RAIL POST



SECTION A-A



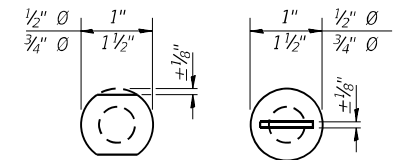
VIEW B-B



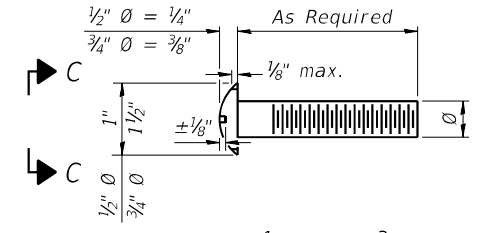
END OF RAIL DETAILS

4- 1" Ø H.S. Threaded Anchor Rods with hex nuts and lock washers, drilled and set according to Article 509.06 of the Standard Specifications.

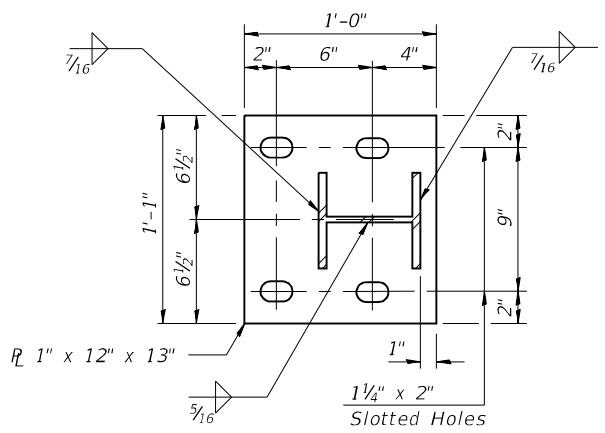
Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032.



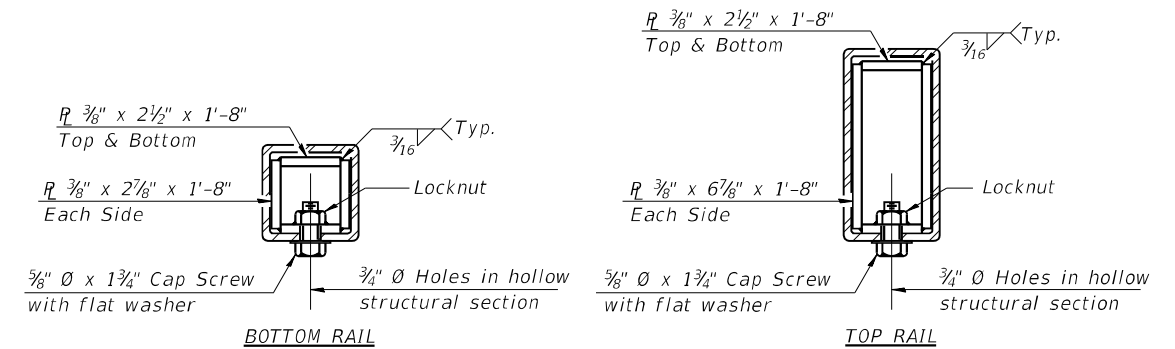
VIEW C-C



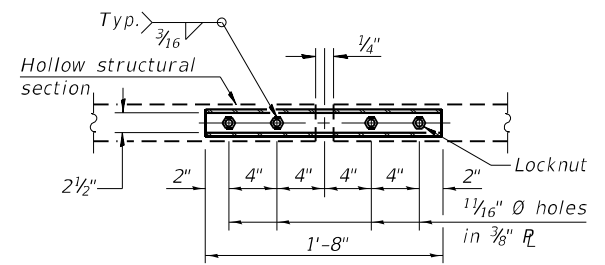
DETAIL OF 1/2" Ø & 3/4" Ø ROUND HEAD BOLTS



BASE PLATE DETAIL



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL

Notes:
 Posts shall not be located closer than 1'-3" to end of bridge. See sheet 1 of 10 for post spacing.
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	27

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-009 - US 51 in Elkhart(Bridge)Final Plans\Microstation\0392032-78595-007-Steel Railing, Type 2399.dgn



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 10/27/2021	DRAWN -	REVISED -
	CHECKED -	REVISED -

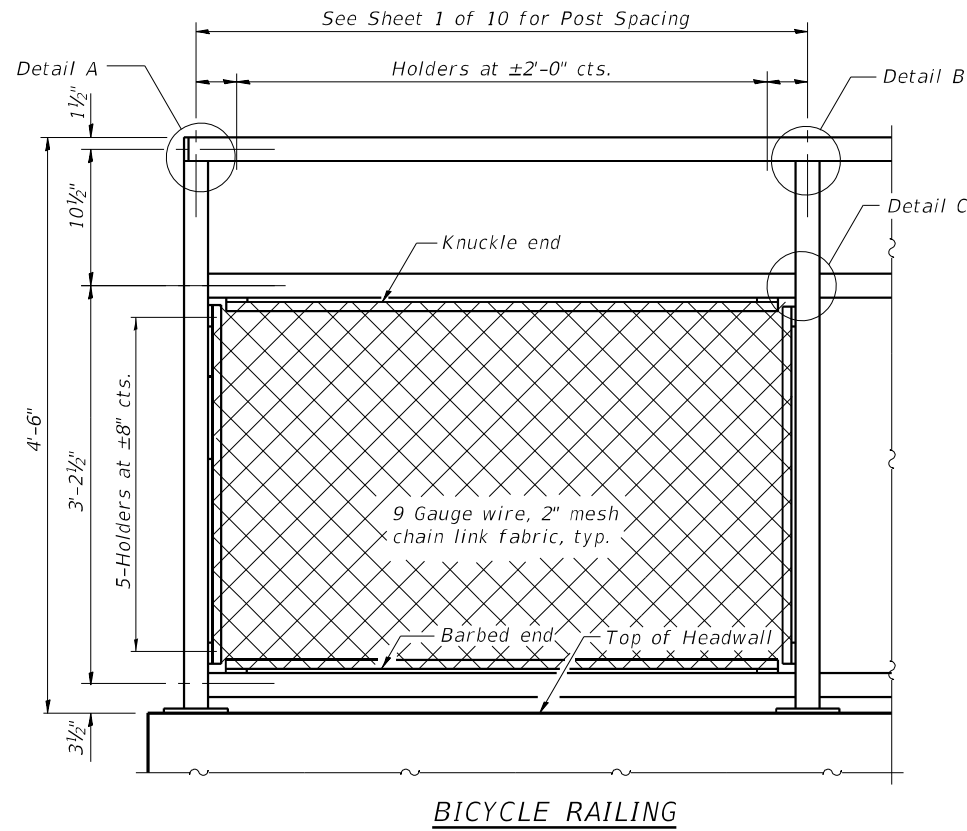
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE 2399
 STRUCTURE NO. 039-2032

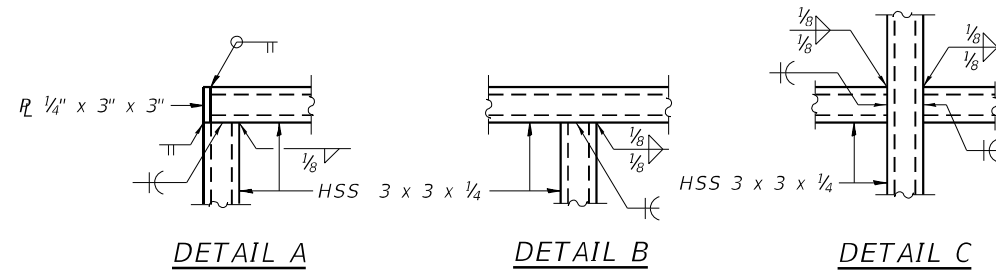
SHEET 7 OF 10 SHEETS

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 31
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P220088 - IDOT PTB 196 Item 61220088-009 - US 51 in Elkhartville\Bicycle Railing.dgn



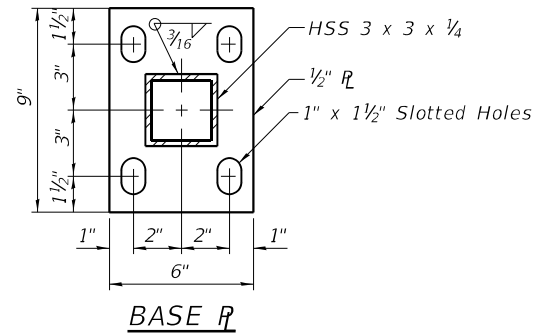
BICYCLE RAILING



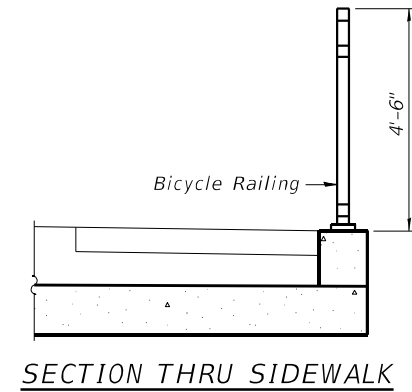
DETAIL A

DETAIL B

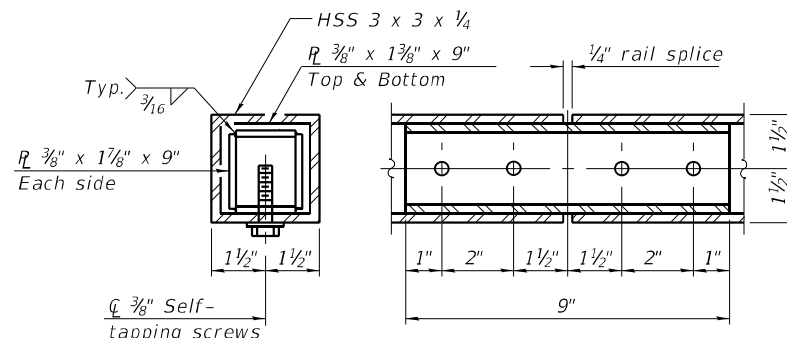
DETAIL C



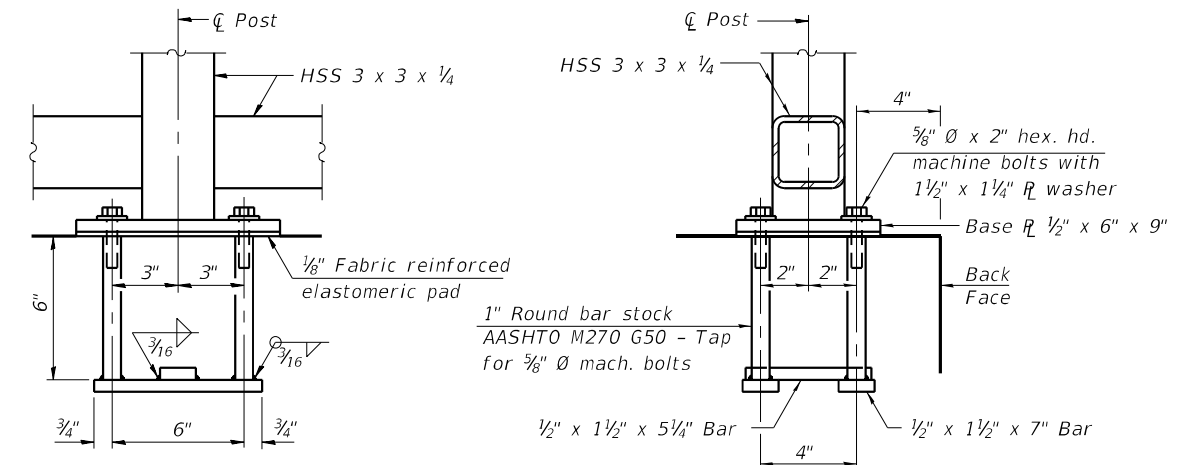
BASE PLATE



SECTION THRU SIDEWALK



RAIL SPLICE



ANCHOR BOLT DETAILS

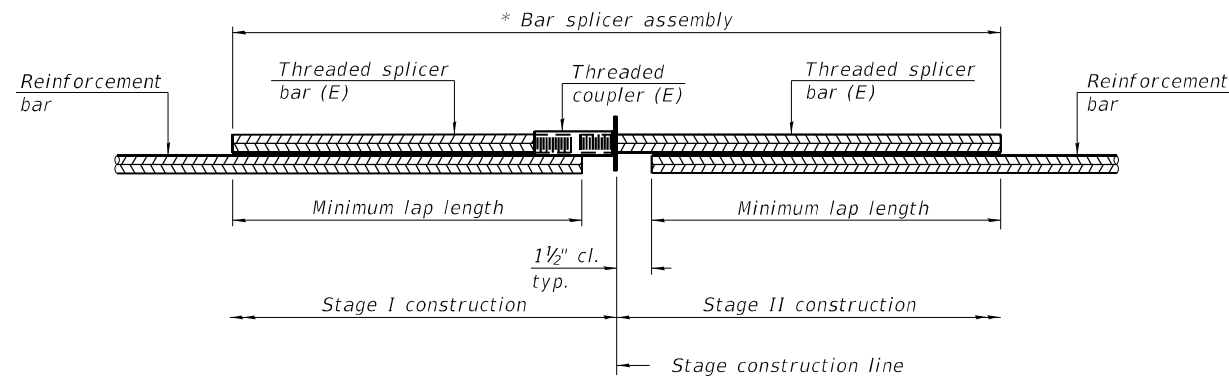
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

Notes:

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. The rail elements shall then be painted black according to the applicable portions of the Special Provision "Hot dip Galvanizing for Structural Steel".

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	26

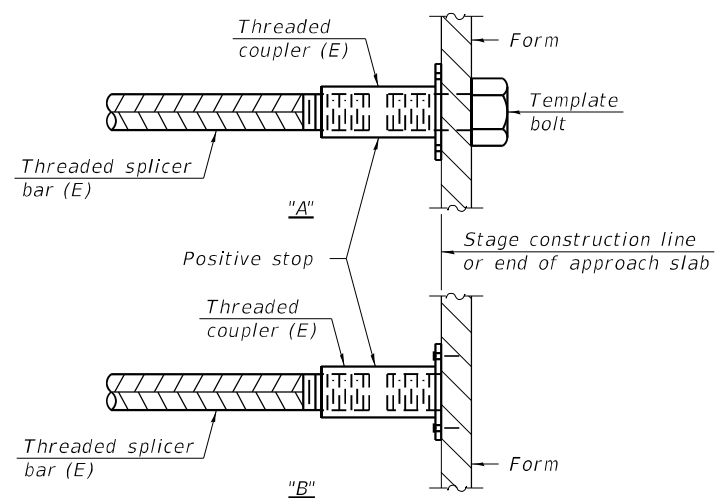


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Top & Bottom Slab	#5	104	3'-2"
Barrel Walls	#4	24	2'-11"

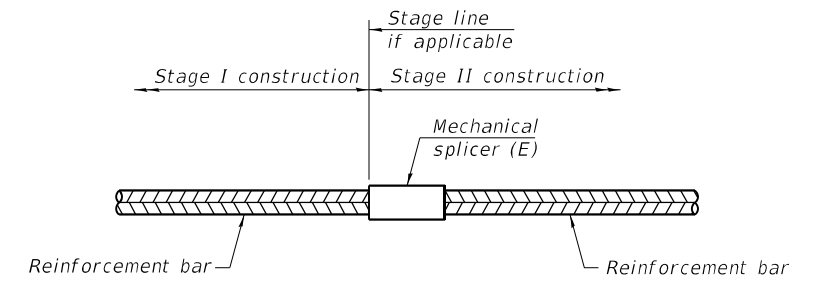


INSTALLATION AND SETTING METHODS

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

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

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

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

All reinforcement shall be lapped and tied to the splicer bars.

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

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

BSD-1

1-1-2020



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	CHECKED -	REVISED -
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PLOT DATE = 10/27/2021	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 039-2032

SHEET 9 OF 10 SHEETS

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 33
CONTRACT NO. 78595			ILLINOIS FED. AID PROJECT	

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-009 - US 51 in Elkhartville\Bridge\Final Plans\Microstation\0392032-78595-009-Bar Splicer Assembly and Mechanical Splicer Details.dgn

ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials					Bridge Foundation Boring Log				
FAP 322 (US Route 51) Over stream					Sheet 1 of 1				
Route: FAP 322 (US 51) Structure Number: 039-0002					Date: 3/11/2010				
Section 4-BY					Bored By: R Moberly				
County: Jackson					Location: N of SCL Elkville				
Checked By: R Graeff									
Boring No 1-S	D	B			Surf Wat Elev: 388.3	D	B		
Station 642+15	E	L			Ground Water Elevation	P	L		
Offset 14' Rt CL	P	O			when Drilling 385	O	O		
Ground Surface 394.5 Ft	T	W	Qu	W%	At Completion	T	W	Qu	W%
	H	S	tsf		At: Hrs:	H	S	tsf	W%
Asphalt over Crushed aggregate					Medium to soft, very moist, grey, Silty Clay A-6	WH	0.6B	47	
393.0						1			
Soft, very moist, grey, Silty Loam A-4						WH			
		1	0.4B	26		1	0.7B	35	
		2				1			
390.0									
Stiff, moist, grey, Silty Loam to Silty Clay Loam A-4	5.0	1			Stiff, moist, grey, Clay A7-6 with some sand and gravel	30.0	1		
		4	1.1B	24		11	1.2B	50	
		3				9			
387.5									
Very soft, very moist, grey, Silty Clay Loam A-4		WH			Hard, dry, grey, Clay Shale	362.0	11		
		WH	0.1B	33			100/5"		
		WH							
385.0									
Stiff, moist, grey mottled brown, Silty Clay A7-6	10.0	WH				35.0	100/4"		
		1	1.2B	24					
		2							
		WH							
		1	1.2B	26					
		2							
380.0									
Stiff, moist, grey mottled brown, Clay A7-6	15.0	1			Hard, dry, grey, Clay Shale	40.0	100/3"		
		3	1.6B	28					
		3							
		1			***** Borehole Advanced with Hollow Stem Augers (8" OD; 3.25" ID) *****				
		2	1.6B	36					
		2							
375.0									
Medium to stiff, moist to very moist, grey mottled brown, Silty Clay A7-6	20.0	1			Bottom of hole = 44.7 feet	349.5	45.0	100/2"	
		1	1.0B	26					
		1			Free water observed at 9.5 feet				
372.5									
Medium to soft, very moist, grey, Silty Clay A-6		WH			Elevation referenced to BM @ NW wingwall; Elev = 394.9				
		WH	0.5B	42	To convert "N" values to "N60" multiply by 1.25				
		1							
		WH							
		25.0				50.0			

N-Std Penr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION District Nine Materials					Bridge Foundation Boring Log					
FAP 322 (US Route 51) Over stream					Sheet 1 of 1					
Route: FAP 322 (US 51) Structure Number: 039-0002					Date: 3/11/2010					
Section 4-BY					Bored By: R Moberly					
County: Jackson					Location: N of SCL Elkville					
Checked By: R Graeff										
Boring No 2-S	D	B			Surf Wat Elev: 388.3	D	B			
Station 641+55	E	L			Ground Water Elevation	P	L			
Offset 13' Lt CL	P	O			when Drilling 386.6	O	O			
Ground Surface 394.6 Ft	T	W	Qu	W%	At Completion	T	W	Qu	W%	
	H	S	tsf		At: Hrs:	H	S	tsf	W%	
Asphalt over crushed aggregate					Soft, very moist, grey, Silty Clay A-6			1	0.4B	32
393.1								1		
Soft, very moist, grey, Silty Clay Loam A-4										
		WH			Medium, very moist, grey, Clay Loam A-4 with sand layers			1		
		1	0.4B	25				8	0.6S	17
		1						5		
367.6										
Stiff, moist, grey, Silty Loam to Silty Clay Loam A-4	5.0	1			Hard, dry, brown, Slate boulder/capstone	365.1	30.0	100/2"		
		1	0.5B	21						
		1			Hard, dry, grey, Clay Shale					
365.1										
Very soft, very moist, grey, Silty Clay Loam A-4		WH								
		WH	0.3B	29						
		WH								
362.1										
Bottom of hole = 32.3 feet										
385.1										
Stiff, moist, grey mottled brown, Silty Clay A7-6	10.0	WH			Free water observed at 8.0 feet					
		1	1.6B	24						
		1			Elevation referenced to BM @ NW wingwall; Elev = 394.9					
		WH			To convert "N" values to "N60" multiply by 1.25					
		1	1.1B	27	Borehole Advanced with Hollow Stem Augers (8" OD - 3.25" ID)					
		2								
380.1										
Stiff, moist, grey, Clay A7-6	15.0	1								
		2	1.9B	26						
		2								
		1								
		2	1.3B	29						
		2								
40.0										
20.0		1								
		2	1.6B	20						
		2								
372.6										
Medium, very moist, grey, Silty Clay A-6		WH								
		1	0.6B	39						
		1								
370.1										
		25.0								

N-Std Penr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-009 - US 51 in Elkville\Bridge\Plans\Microstation\0392032-78595-010-Soil Boring Logs.dgn



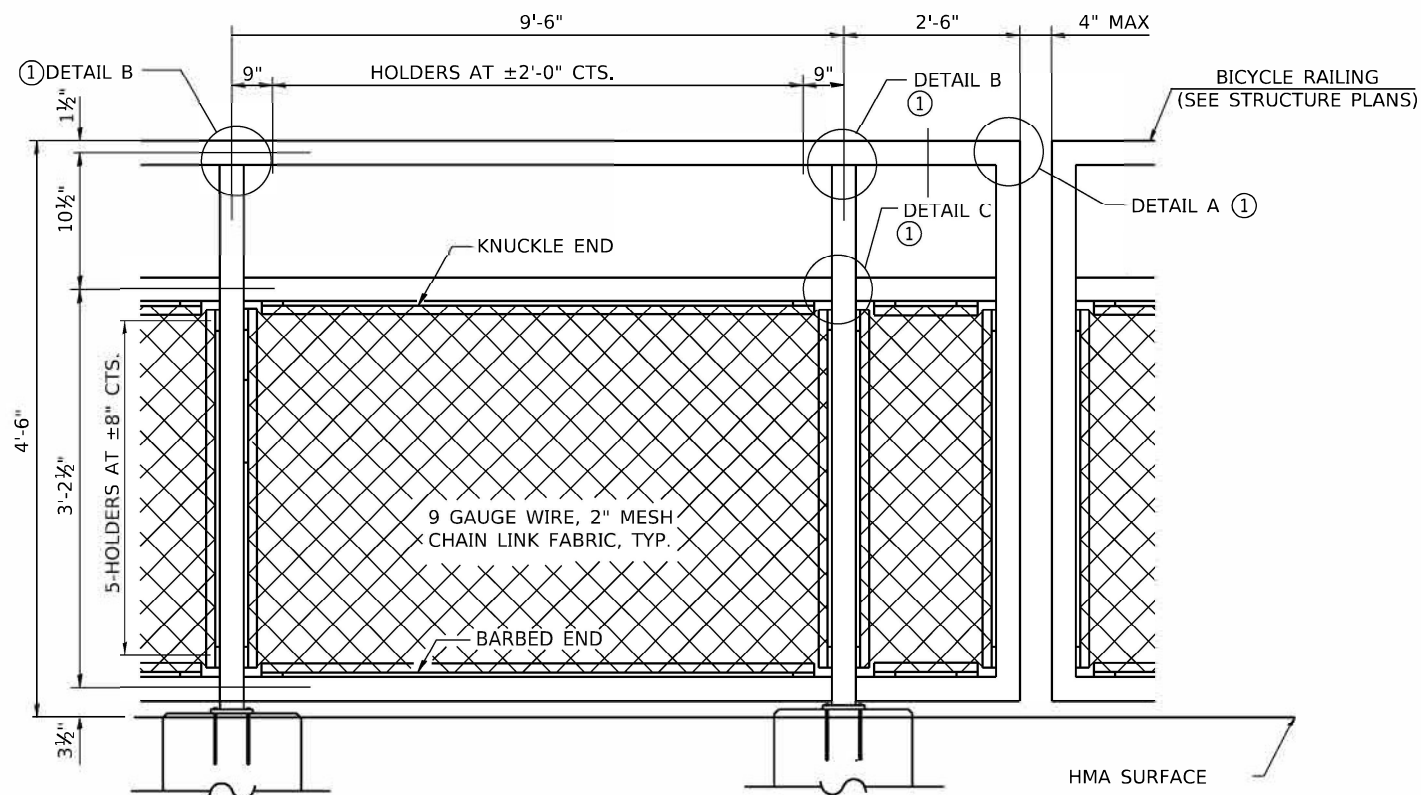
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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 10/27/2021	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 039-2032

SHEET 10 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	34
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				



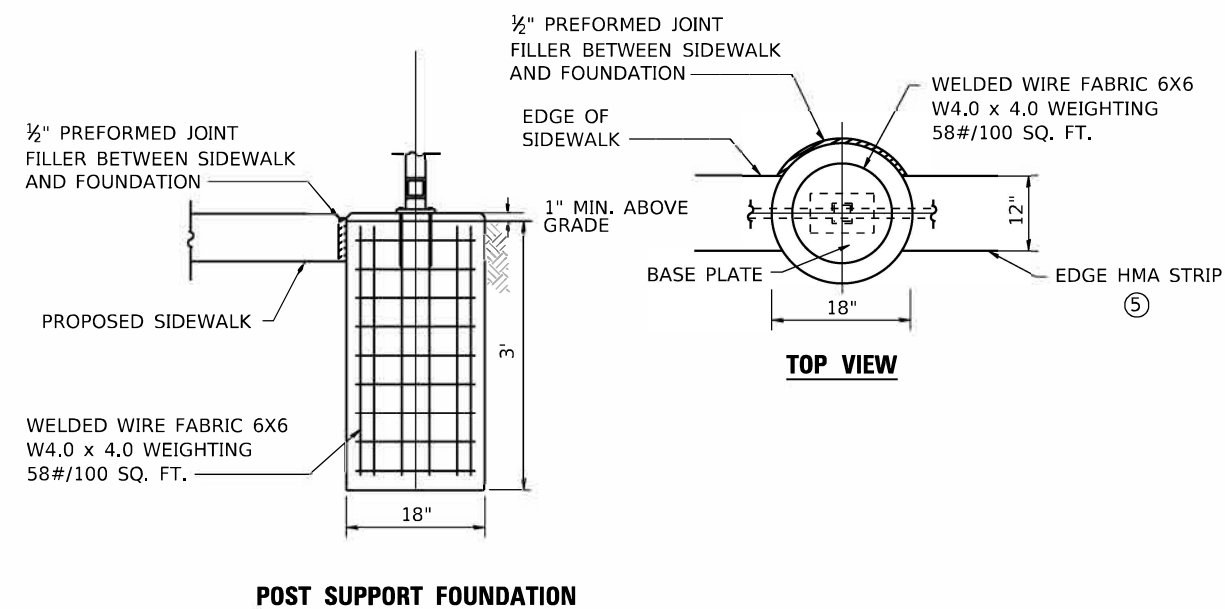
PEDESTRIAN RAILING
(SOUTH OF BRIDGE)

NOTES:

1. ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE STANDARD SPECIFICATIONS AND PAINTED BLACK ACCORDING TO THE SPECIAL PROVISION "HOT DIP GALVANIZING FOR STRUCTURAL STEEL"
2. 4" MAXIMUM GAP BETWEEN END OF PEDESTRIAN RAILING AND BICYCLE RAILING
3. PEDESTRIAN RAILING NORTH OF BRIDGE IS IDENTICAL AND SYMMETRICAL TO PEDESTRIAN RAILING SOUTH OF BRIDGE
4. ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION
5. 1 FT WIDE STRIP OF HMA SHOULD BE INSTALLED UNDER ENTIRE LENGTH OF PEDESTRIAN RAILING OUTSIDE OF SIDEWALK AND POST SUPPORT FOUNDATIONS.
6. WELDED WIRE FABRIC WILL BE INCLUDED IN THE COST OF THE PEDESTRIAN RAILING.

NOTES

- ① SEE DETAILS A, B, AND C ON STRUCTURE PLAN SHEET 8 OF 10
- ② SEE BASE PLATE, ANCHOR BOLT, AND RAIL SPLICE DETAILS ON STRUCTURE SHEET 8 OF 10



POST SUPPORT FOUNDATION

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = matt.fields	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/28/2021	CHECKED -	REVISED +
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

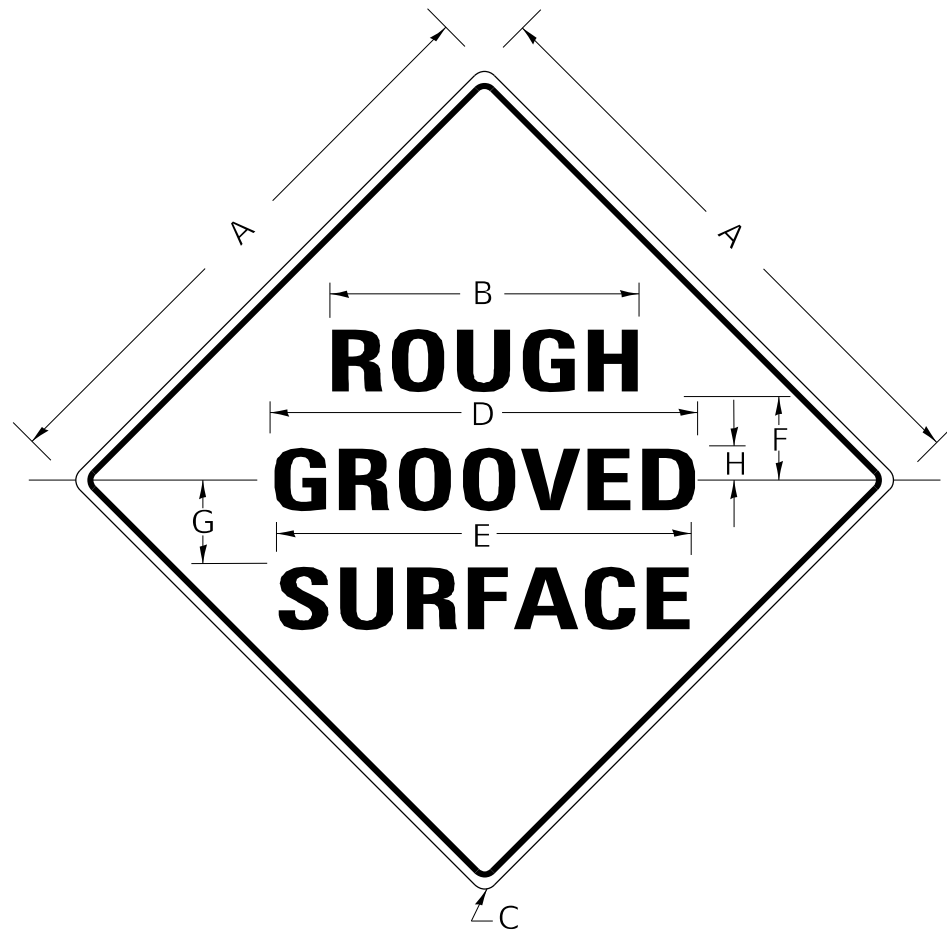
CONSTRUCTION DETAILS
PEDESTRIAN RAILING

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

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 35
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

REV. - MS

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
 BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

STD. 9-39

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

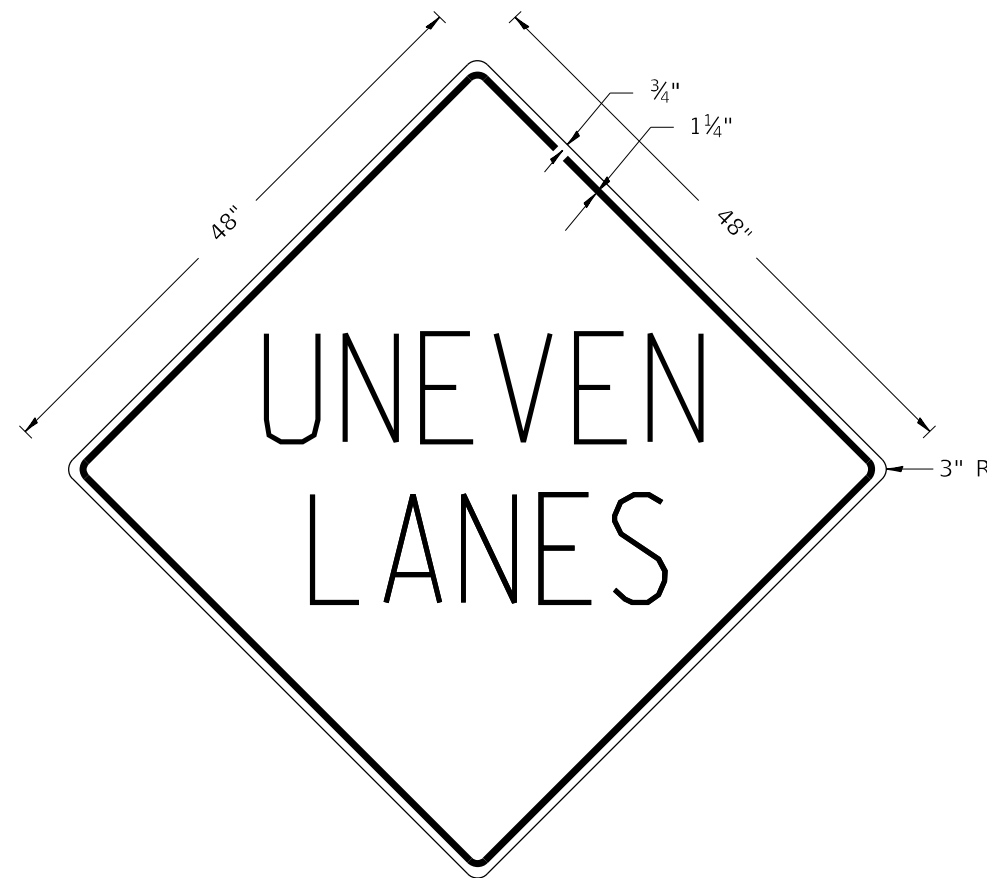
CONSTRUCTION DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	36
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

UNEVEN LANES SIGN

W8-11 (48'' x 48'')



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
 BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

STD. 9-41

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

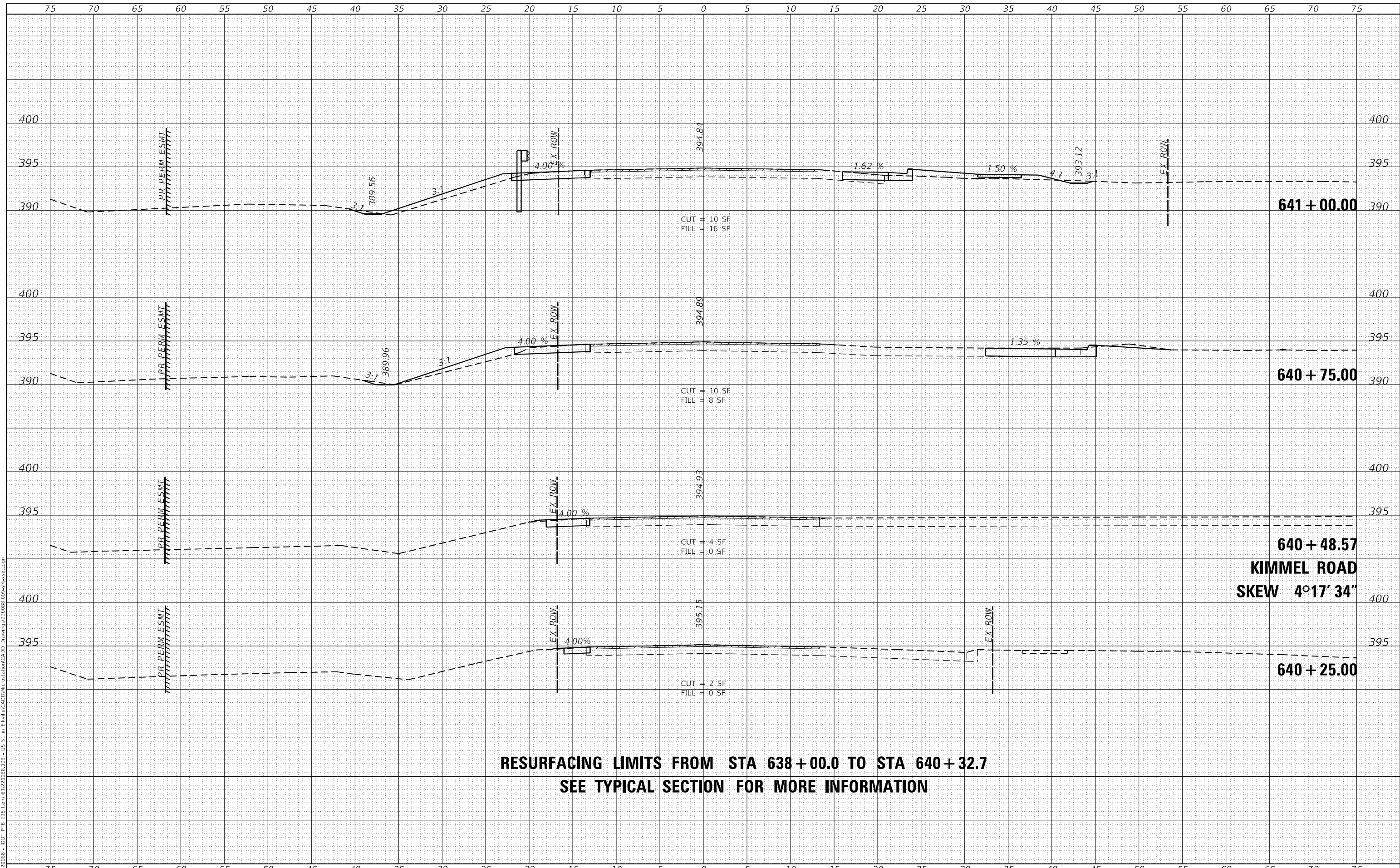
SCALE: NTS SHEET 3 OF 3 SHEETS STA. N/A TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	37
			CONTRACT NO. 78595	
			ILLINOIS FED. AID PROJECT	

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

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

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 DATE: 10/28/2021



RESURFACING LIMITS FROM STA 638 + 00.0 TO STA 640 + 32.7
SEE TYPICAL SECTION FOR MORE INFORMATION



USER NAME	= matt.fields
DESIGNED	-
DRAWN	-
PLLOT SCALE	= 10,0000 * / in.
CHECKED	-
DATE	= 10/28/2021

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=5'	
SHEET 1	OF 4 SHEETS
STA. 640+06.38 TO STA. 641+00.00	

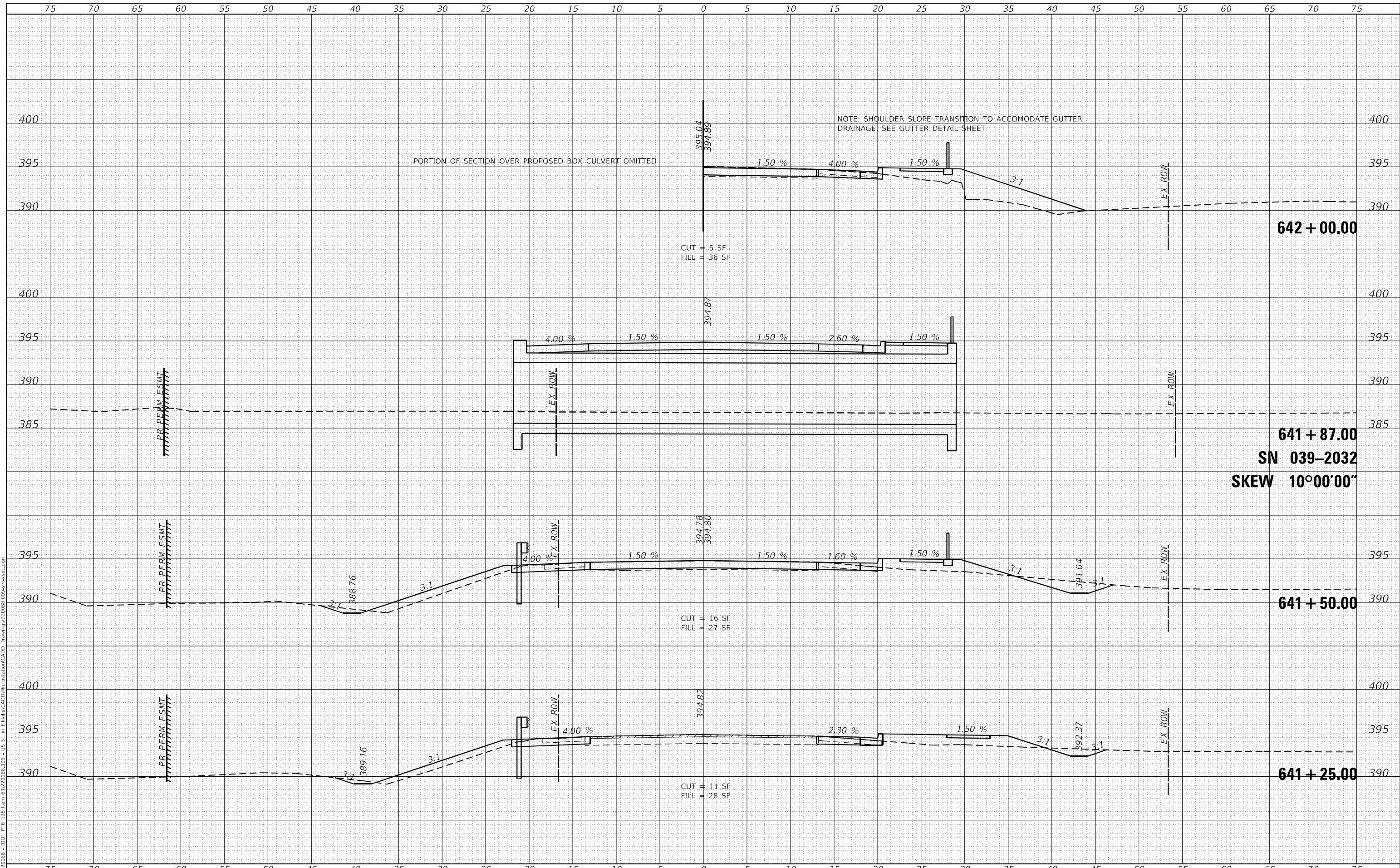
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	38
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

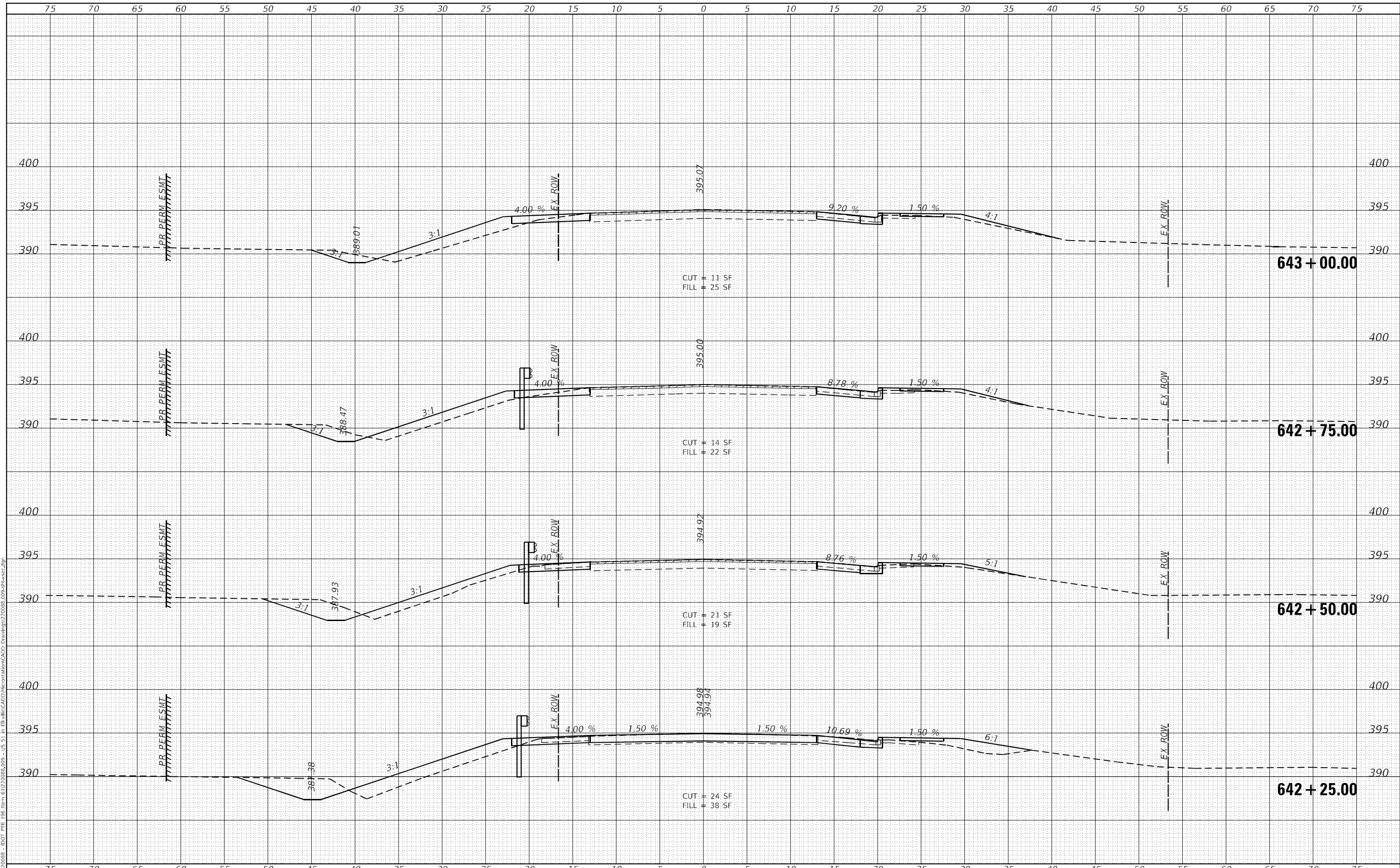
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4B-2	JACKSON	41	39
CONTRACT NO. 78595				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
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	TEMPLATE	
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OATES ASSOCIATES
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

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PLOT DATE = 10/28/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

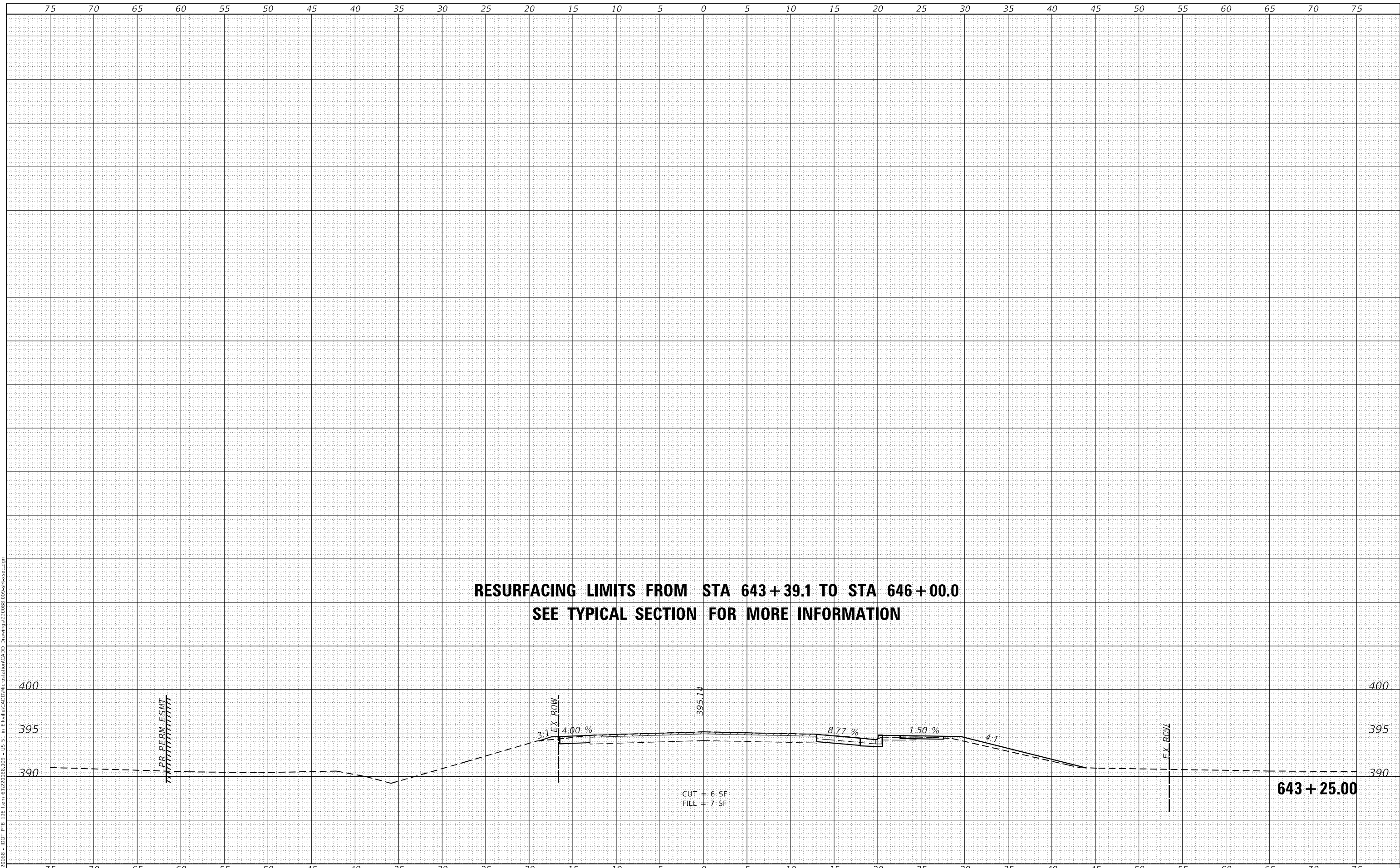
CROSS SECTIONS	
SCALE: 1"=5'	SHEET 3 OF 4 SHEETS
STA. 642+25.00	TO STA. 643+00.00

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 40
			CONTRACT NO. 78595	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
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**RESURFACING LIMITS FROM STA 643 + 39.1 TO STA 646 + 00.0
 SEE TYPICAL SECTION FOR MORE INFORMATION**

CUT = 6 SF
 FILL = 7 SF



USER NAME = matt.fields
DESIGNED -
DRAWN -
PLOT SCALE = 10,0000 */ in.
PLOT DATE = 10/28/2021

REVISIED -
REVISIED -
REVISIED -
REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=5' SHEET 4 OF 4 SHEETS STA. 643+25.00 TO STA. 643+79.36

F.A.P. RTE. 322	SECTION 4B-2	COUNTY JACKSON	TOTAL SHEETS 41	SHEET NO. 41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78595	