

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	1
		ILLINOIS	CONTRACT NO. 66959	

INDEX OF SHEETS

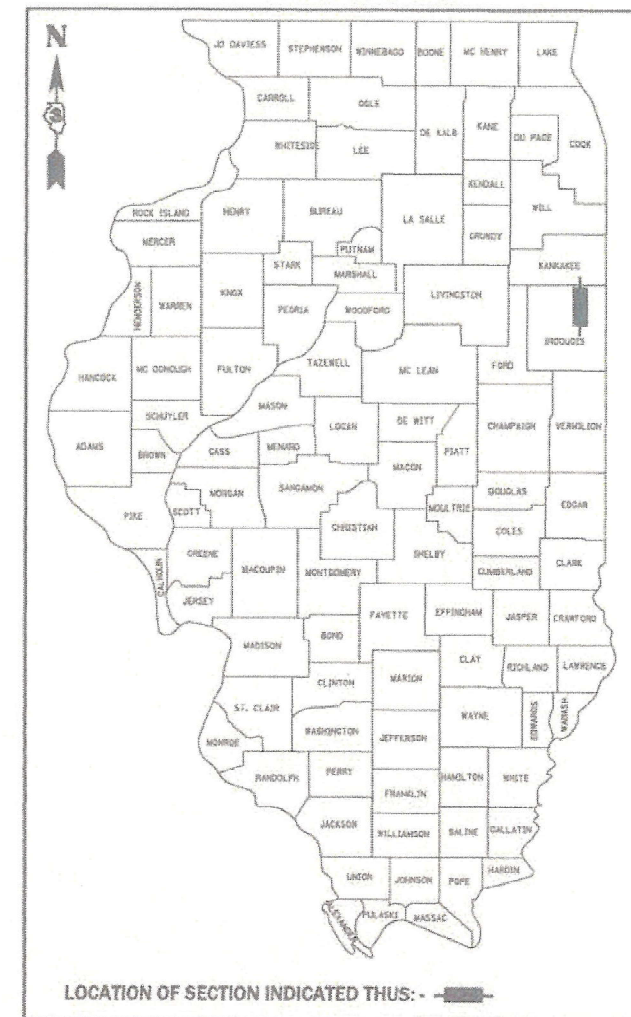
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**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 332 (IL RTE 1)
OVER PIKE CREEK
SECTION 4 BR
PROJECT NO. NHPP-C2A5 (681)
STRUCTURE REPLACEMENT
IROQUOIS COUNTY

C-93-072-20

D-93-033-20



FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL
2019 ADT = 2200
P.U.=88% S.U.=7% M.U.=5%
DESIGN SPEED = 55 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 14th 2020
James Ahrens
REGIONAL ENGINEER

October 2, 2020
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

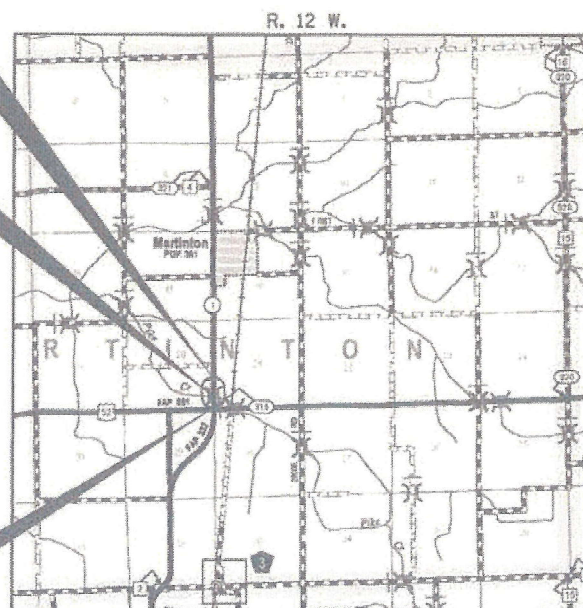
October 2, 2020
James M. Jones
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

END IMPROVEMENT
STA 277 + 50.00

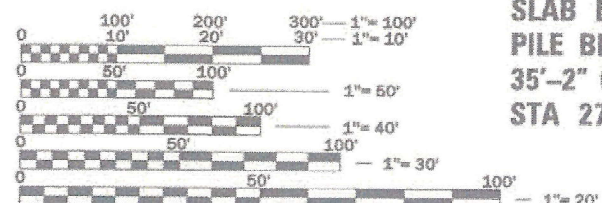
PROPOSED STRUCTURE SN 038-0226
THREE SPAN W/15" REINFORCED CONCRETE
SLAB DECK ON INTEGRAL ABUTMENTS AND
PILE BENT PIERS 91'-0" BK TO BK, AND
35'-2" O TO O DECK. NO SKEW.
STA 273 + 22.00 (EXISTING SN 038-0020)

BEGIN IMPROVEMENT
STA 269 + 00.00



MARTINTON TOWNSHIP
LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 1220.87 FT. = 0.231 MILE
NET LENGTH = 850.00 FT. = 0.161 MILE



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

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

PROJECT ENGINEER: BRADLEY DUNCAN, P.E.
UNIT CHIEF: DARCY CARPENTER
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66959

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945
2020 JOB #4389.01

8/16/20
DATE

Scott A. Etkin
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
ENGINEER'S SEAL

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO THEIR OPERATIONS. NO TREES WILL BE REMOVED FROM APRIL 1ST TO SEPTEMBER 30TH DUE TO FEDERALLY PROTECTED BAT SPECIES HABITAT.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE REMOVAL AND DISPOSAL OF ALL FENCING, DELINEATORS, DEBRIS, BRUSH, RIPRAP, STONE CONCRETE SLABS, TILE, ETC. NOT PAID SPECIFICALLY ON THE PLANS WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

1. EASTERN ILLINI ELECTRIC COOPERATIVE
2. AT&T
3. FRONTIER

NON-MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS ARE:

1. ILLINOIS DEPARTMENT OF TRANSPORTATION

THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MM) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ABANDONED UTILITIES THAT CONFLICT WITH THE CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL DAMAGE TO THE DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERUAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.

SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

BEFORE BEGINING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE DIRECTED BY THE RESIDENT ENGINEER.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS-----	2.05	TONS/CU YD
BITUMINOUS MATERIALS PRIME COAT-----	0.05	LBS/SQ FT OR
	0.025	LBS/SQ FT
PRIME COAT FOR AGGREGATE BASES-----	0.25	TONS/SQ YD
HOT-MIX ASPHALT SURFACE COURSE-----	112	LBS/SQ YD/INCH
HOT-MIX ASPHALT BINDER COURSE-----	115	LBS/SQ YD/INCH
LEVELING BINDER (MACHINE METHOD)-----	112	LBS/SQ YD/INCH
NITROGEN FERTILIZER NUTRIENT-----	60	LBS/ACRE (SODDING)
PHOSPHORUS FERTILIZER NUTRIENT-----	60	LBS/ACRE (SODDING)
POTASSIUM FERTILIZER NUTRIENT-----	60	LBS/ACRE (SODDING)

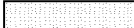

COMMITMENTS

NONE.

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
515001-04	NAME PLATE FOR BRIDGES
542401-03	METAL END SECTION FOR PIPE CULVERTS
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
631031-16	TRAFFIC BARRIER TERMINAL, TYPE 6
666001-01	RIGHT OF WAY MARKERS
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 ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMNT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

LEGEND

	HOT-MIX ASPHALT BUTT JOINT
	PROPOSED DITCH FLOW
TBR	TO BE REMOVED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1)
HIGHWAY STANDARDS, GENERAL NOTES, INDEX & LEGEND

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	2
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

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Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = LZeller	DESIGNED - LDZ	REVISED -
PLOT SCALE = 2.000" / in.	DRAWN - RMD	REVISED -
PLOT DATE = 8/13/2020	CHECKED - WLP	REVISED -
	DATE - 5/6/2020	REVISED -

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0010 038-0226
				80% FED 20% STATE	
20200100	EARTH EXCAVATION	CU YD	730	730	
20300100	CHANNEL EXCAVATION	CU YD	315	315	
20400800	FURNISHED EXCAVATION	CU YD	842	842	
20800150	TRENCH BACKFILL	CU YD	38	38	
25000210	SEEDING, CLASS 2A	ACRE	1.75	1.75	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	160	160	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	160	160	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	160	160	
25100115	MULCH, METHOD 2	ACRE	1.75	1.75	
25100630	EROSION CONTROL BLANKET	SQ YD	8470	8470	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200	
28000305	TEMPORARY DITCH CHECKS	FOOT	120	120	
28000400	PERIMETER EROSION BARRIER	FOOT	1524	1524	
28000500	INLET AND PIPE PROTECTION	EACH	4	4	

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 Jacksonville - Moline - Peoria - Shorewood
 Since 1945

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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	3
			CONTRACT NO. 66959	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0010 038-0226
				80% FED 20% STATE	
28100107	STONE RIPRAP, CLASS A4	SQ YD	525	525	
28200200	FILTER FABRIC	SQ YD	525	525	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	371	371	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1264	1264	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	429	429	
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	113	113	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	677	677	
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	198	198	
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	86	86	
44000100	PAVEMENT REMOVAL	SQ YD	49	49	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	202	202	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	594	594	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	175	175	

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 Jacksonville - Moline - Peoria - Shorewood
 Since 1945

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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
 SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 2 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	4
			CONTRACT NO. 66959	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0010 038-0226
50200100	STRUCTURE EXCAVATION	CU YD	110		110
50200300	COFFERDAM EXCAVATION	CU YD	260		260
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		1
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1		1
50300225	CONCRETE STRUCTURES	CU YD	139.6		139.6
50300255	CONCRETE SUPERSTRUCTURE	CU YD	181.1		181.1
50300260	BRIDGE DECK GROOVING	SQ YD	497		497
50300300	PROTECTIVE COAT	SQ YD	643		643
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	94.8		94.8
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	123940		123940
50800515	BAR SPLICERS	EACH	772		772
51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	895		895
51202305	DRIVING PILES	FOOT	895		895
51203200	TEST PILE METAL SHELLS	EACH	4		4

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 Jacksonville - Moline - Peoria - Shorewood
 Since 1945

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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	5
			CONTRACT NO. 66959	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0010 038-0226
51204650	PILE SHOES	EACH	12		12
51500100	NAME PLATES	EACH	1		1
52200010	TEMPORARY SHEET PILING	SQ FT	606		606
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	44	44	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	42	42	
542D0247	PIPE CULVERTS, CLASS D, TYPE 1 42"	FOOT	82	82	
54262715	METAL FLARED END SECTIONS 15"	EACH	2	2	
54262718	METAL FLARED END SECTIONS 18"	EACH	2	2	
54262742	METAL FLARED END SECTIONS 42"	EACH	4	4	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	75	75	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	35	35	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	450	450	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	

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Jacksonville - Moline - Peoria - Shorewood
Since 1945

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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP ROUTE 332 (IL RTE 1) SUMMARY OF QUANTITIES	
SCALE: N/A	SHEET 4 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 332	SECTION 4 BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 6
			CONTRACT NO. 66959	
		ILLINOIS FED. AID PROJECT		

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0010 038-0226
63200310	GUARDRAIL REMOVAL	FOOT	458	458	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3438	3438	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	26	26	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	725	725	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	725	725	
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2	
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	18	18	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9	
73000100	WOOD SIGN SUPPORT	FOOT	29	29	

*= SPECIALTY ITEM

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Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

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PLOT SCALE = 100.000' / in.	DRAWN - RMD	REVISED -
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	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 5 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 332	SECTION 4 BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 7
			CONTRACT NO. 66959	
ILLINOIS FED. AID PROJECT				

REV. 8/26/20 REV. 8/24/20 REV. 8/21/20

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0010 038-0226
				80% FED 20% STATE	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31.2	31.2	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3361	3361	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	166	166	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	144	144	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	52	52	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1808	1808	
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	160	160	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	49	49	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	22	22
	X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	4	4
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1288	1288
	X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	3	3
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	676	676

*= SPECIALTY ITEM

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Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = LZeller	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = 100,000 ' / in.	CHECKED - WLP	REVISED -
PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP ROUTE 332 (IL RTE 1) SUMMARY OF QUANTITIES	
SCALE: N/A	SHEET 6 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66959	

REV. 8/24/20 REV. 8/21/20

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0010 038-0226
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	348	348	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	850	850	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	102	102	
Z0055500	RUMBLE STRIP	SQ FT	692	692	
Z0062456	TEMPORARY PAVEMENT	SQ YD	94	94	

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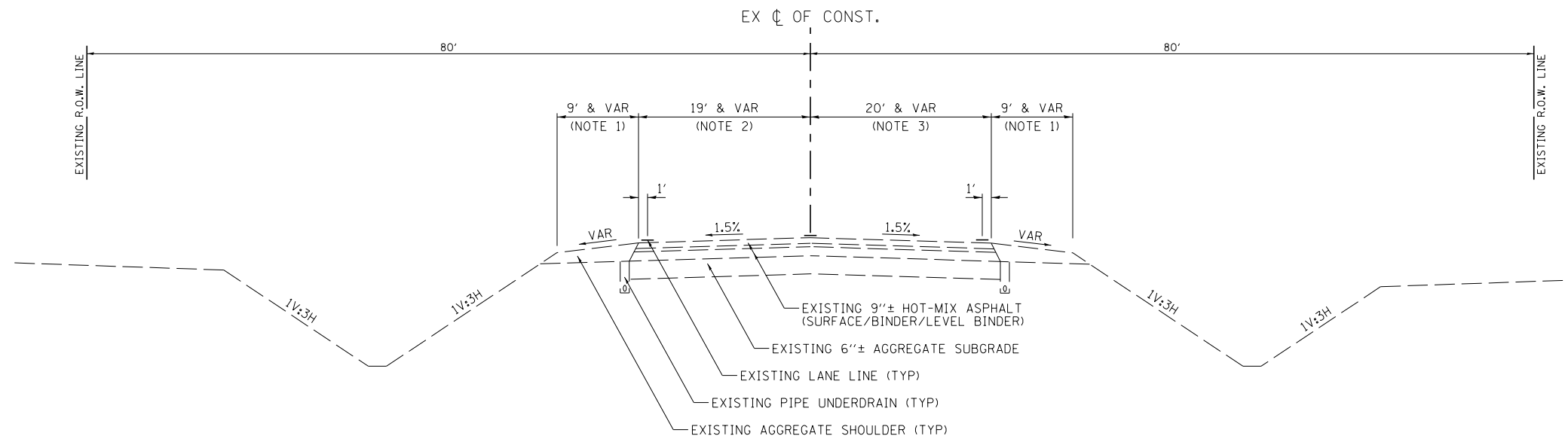
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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
 SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 7 OF 7 SHEETS STA. N/A TO STA. N/A

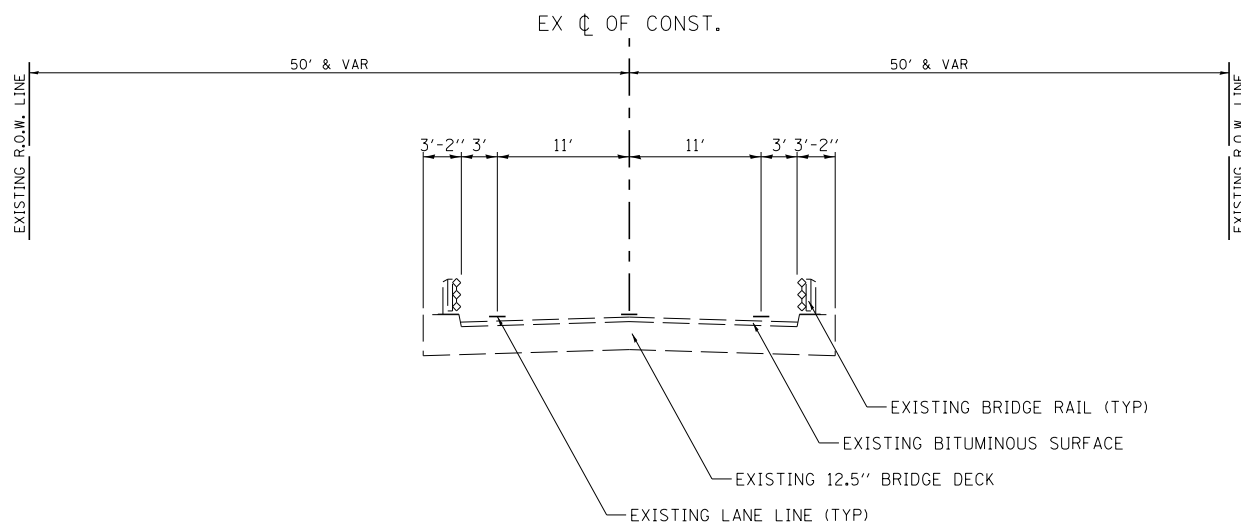
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	9
			CONTRACT NO. 66959	
		ILLINOIS FED. AID PROJECT		



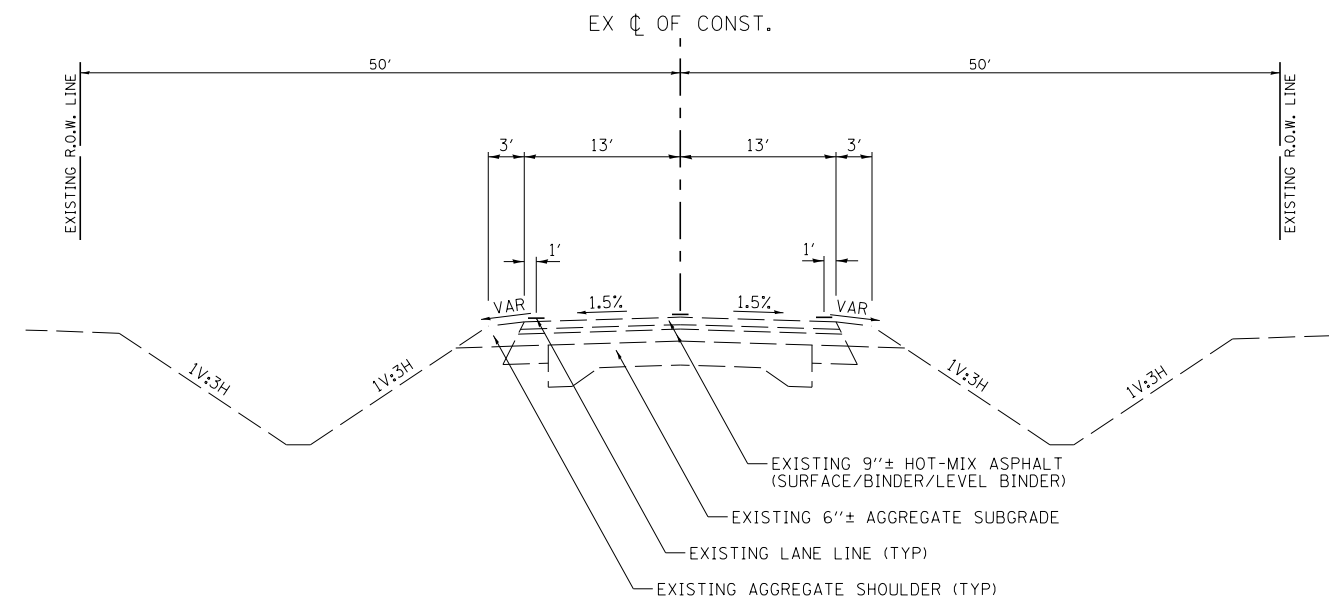
NOTES:

1. VARIES FROM 9' AT STA 269+00.0 TO 3' AT STA 272+81.4
2. VARIES FROM 18' AT STA 269+00.0 TO 11' AT STA 272+81.4
3. VARIES FROM 19' AT STA 269+00 TO 11' AT STA 272+81.4

EXISTING TYPICAL SECTION
FAP ROUTE 332 (IL RTE 1)
 STA 269+00.0 TO STA 272+81.4



EXISTING TYPICAL SECTION
FAP ROUTE 332 (IL RTE 1)
 STA 272+81.4 TO STA 273+62.4



EXISTING TYPICAL SECTION
FAP ROUTE 332 (IL RTE 1)
 STA 273+62.4 TO STA 277+50.0

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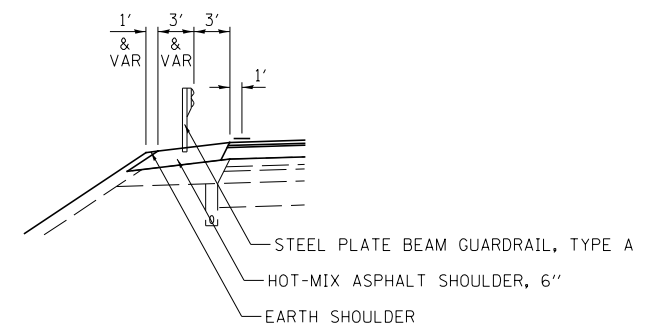
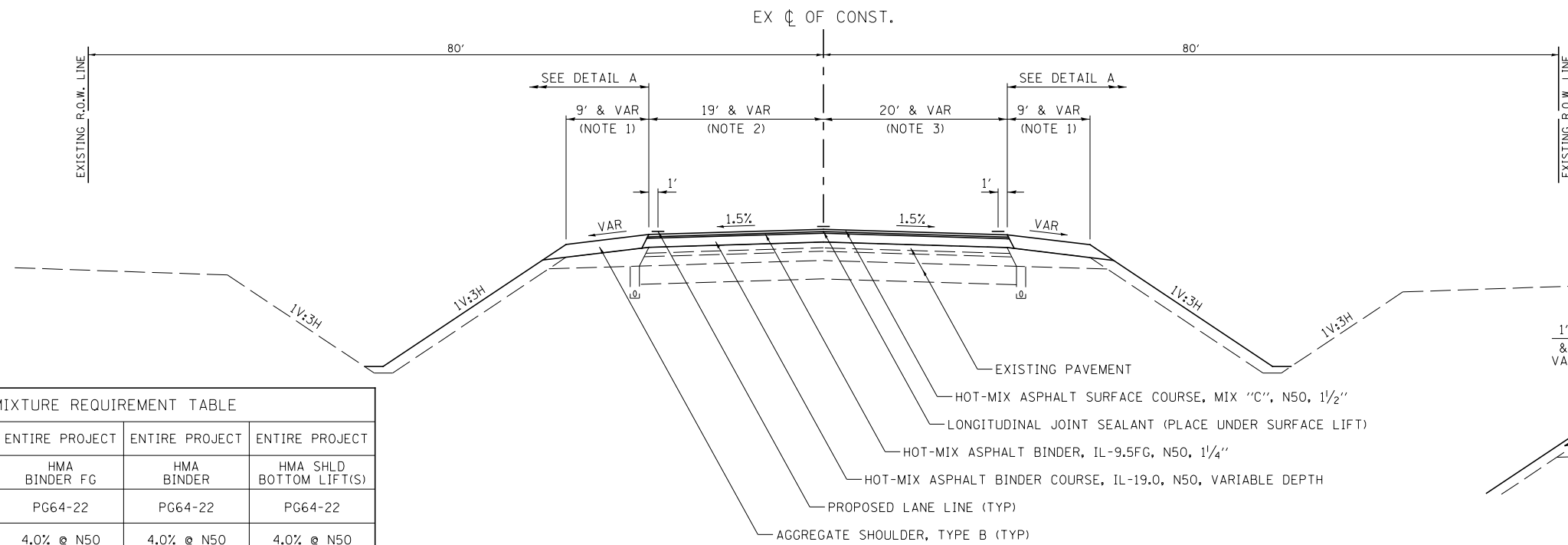
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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1)
EXISTING TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	10
CONTRACT NO. 66959				
		ILLINOIS	FED. AID PROJECT	



HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE				
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE	HMA BINDER FG	HMA BINDER	HMA SHLD BOTTOM LIFT(S)
BINDER GRADE (PG):	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5FG	IL 19.0	IL 19.0
FRICTION AGGREGATE:	MIXTURE C			
MIXTURE WEIGHT:	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	OCQA	OCQA	OCQA	OCQA
DENSITY TEST METHOD:	CORES	CORES	CORES	CORES

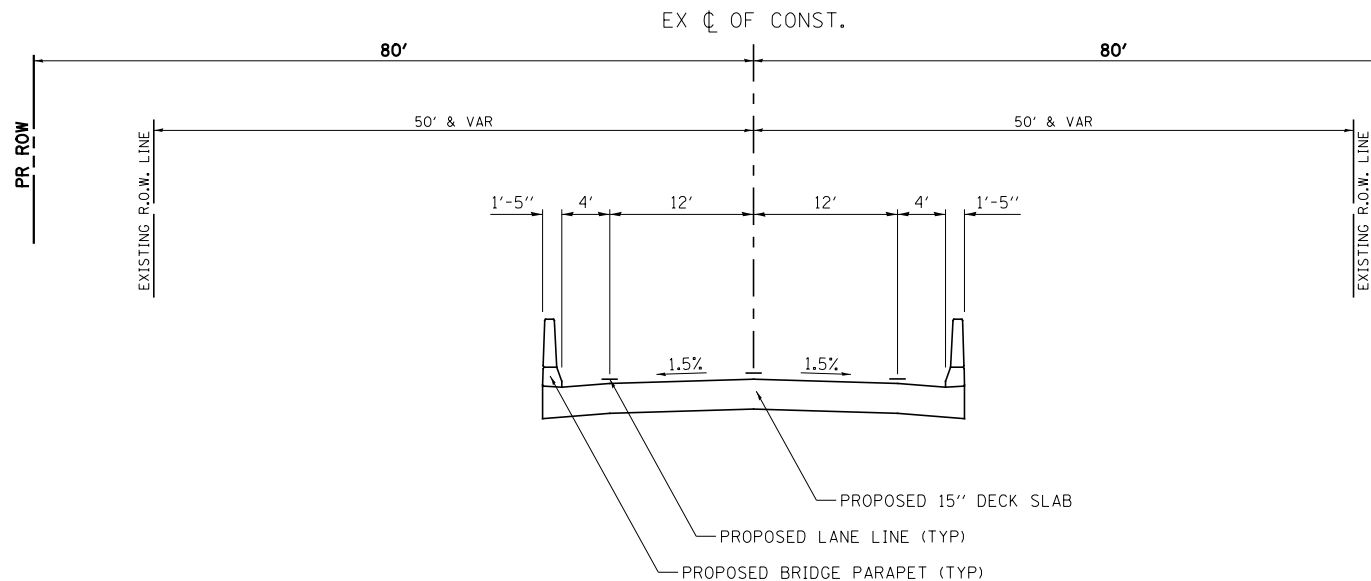
PROPOSED TYPICAL SECTION

FAP ROUTE 332 (IL RTE 1)

STA 269+00.0 TO STA 272+62.5

DETAIL A

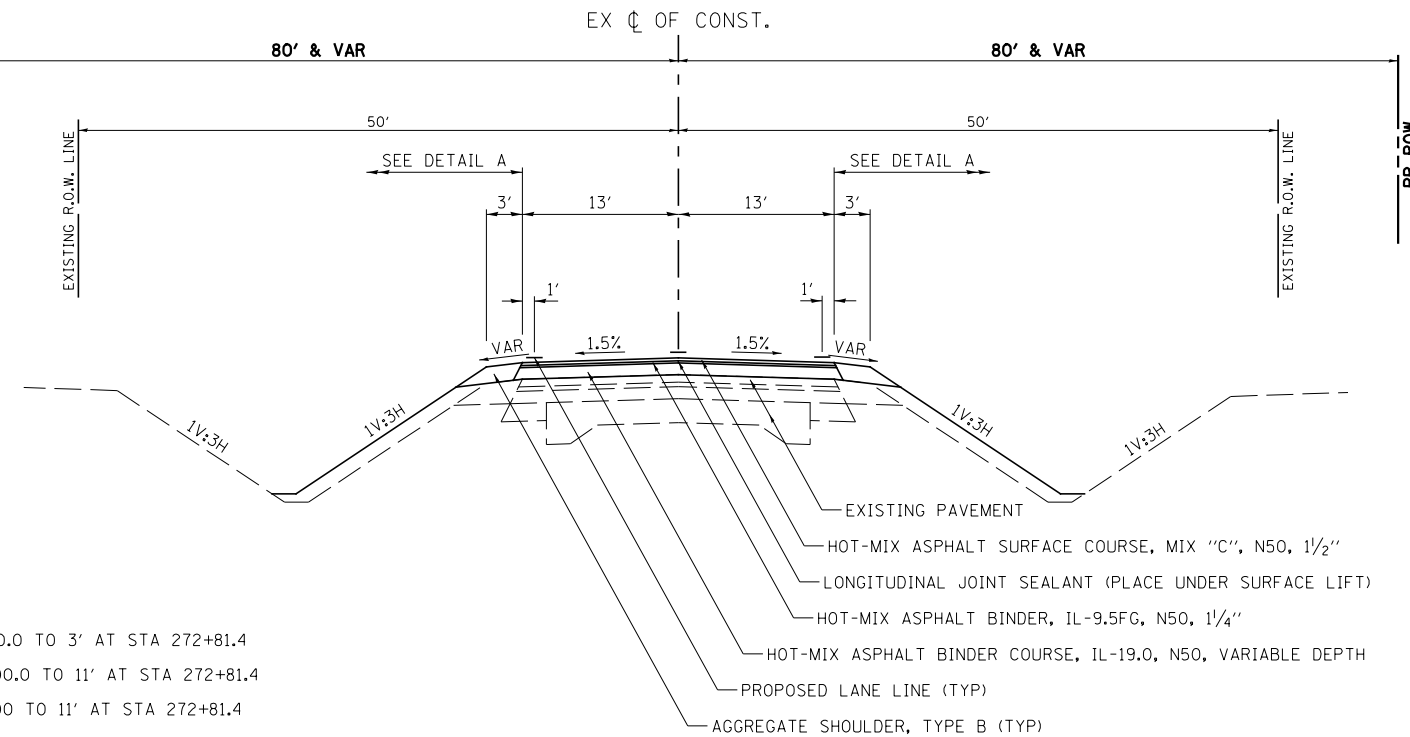
STA 270+12.5 TO STA 272+62.5 (RT)
 STA 271+12.5 TO STA 272+62.5 (LT)
 STA 273+81.5 TO STA 275+31.5 (RT)
 STA 273+81.5 TO STA 276+31.5 (LT)



PROPOSED TYPICAL SECTION

FAP ROUTE 332 (IL RTE 1)

STA 272+62.5 TO STA 273+82.5



PROPOSED TYPICAL SECTION

FAP ROUTE 332 (IL RTE 1)

STA 273+82.5 TO STA 277+50.0

NOTES:

- VARIES FROM 9' AT STA 269+00.0 TO 3' AT STA 272+81.4
- VARIES FROM 18' AT STA 269+00.0 TO 11' AT STA 272+81.4
- VARIES FROM 19' AT STA 269+00 TO 11' AT STA 272+81.4

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
 PROPOSED TYPICAL SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	11
CONTRACT NO. 66959				
ILLINOIS		FED. AID PROJECT		

EARTHWORK									
1		2		3		4		5	
LOCATION		EARTH EXCAVATION		SUITABLE EXCAVATION ADJUSTED FOR SHRINKAGE		EMBANKMENT		EARTH BALANCE WASTE(+) OR SHORTAGE(-)	
STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
IL RTE 1									
269+00	TO	272+48	358	269	642	-373			
273+97	TO	277+50	372	279	748	-469			
TOTAL			730	548	1390	-842			
USE PAY ITEM TOTALS BELOW									
INFORMATION: SHRINKAGE FACTORS: 25% C = CUT (FROM CROSS SECTIONS) COLUMN 1 - LOCATION FROM PLANS COLUMN 2 - CUT QUANTITIES FROM CROSS SECTIONS (C) COLUMN 3 - = (COLUMN 2) x (1-EARTH EXCAVATION SHRINKAGE FACTOR) COLUMN 4 - QUANTITIES FROM CROSS SECTIONS COLUMN 5 - = COLUMN 3 - COLUMN 4 PAY ITEMS: COLUMN #2 IS EARTH EXCAVATION = 730 CU YD COLUMN #5 IS FURNISHED EXCAVATION = 842 CU YD									

SEEDING, EROSION CONTROL BLANKET & NUTRIENTS								
LOCATION			SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	
STATION +/-	TO	STATION +/-	SIDE	ACRE	POUND	POUND	POUND	SQ YD
IL RTE 1								
269+00	TO	270+38	LT	0.17	16	16	16	823
269+00	TO	269+38	RT	0.05	5	5	5	242
269+62	TO	272+73	RT	0.39	36	36	36	1888
270+62	TO	272+73	LT	0.25	23	23	23	1210
273+73	TO	275+83	RT	0.27	25	25	25	1307
273+73	TO	276+88	LT	0.38	35	35	35	1840
276+07	TO	277+50	RT	0.18	17	17	17	872
277+12	TO	277+50	LT	0.03	3	3	3	146
TOTAL				1.72	160	160	160	8328
USE				1.75	160	160	160	8470

TEMPORARY EROSION CONTROL SEEDING											
STATION +/-		TO		STATION +/-		SIDE	TEMP SEED ACRES	POUNDS PER APPLICATION PER ACRE	NUMBER OF APPLICATIONS	TOTAL POUND	MULCH, METHOD 2 ACRE
IL RTE 1											
269+00	TO	270+38	LT	0.17	100	1	0.17	100	1	17	0.17
269+00	TO	269+38	RT	0.05	100	1	0.05	100	1	5	0.05
269+62	TO	272+73	RT	0.39	100	1	0.39	100	1	39	0.39
270+62	TO	272+73	LT	0.25	100	1	0.25	100	1	25	0.25
273+73	TO	275+83	RT	0.27	100	1	0.27	100	1	27	0.27
273+73	TO	276+88	LT	0.38	100	1	0.38	100	1	38	0.38
276+07	TO	277+50	RT	0.18	100	1	0.18	100	1	18	0.18
277+12	TO	277+50	LT	0.03	100	1	0.03	100	1	3	0.03
TOTAL										172	1.72
USE										200	1.75

MULCH METHOD 2 IS USED FOR TEMPORARY MULCHING

TEMPORARY DITCH CHECKS			
LOCATION		LENGTH	
STATION	OFFSET	FOOT	
IL RTE 1			
269+75	56' LT	10	
269+75	54' RT	10	
271+25	56' LT	10	
271+25	51' RT	10	
272+25	53' LT	10	
272+25	54' RT	10	
274+25	45' LT	10	
274+25	44' RT	10	
275+25	42' LT	10	
275+25	46' RT	10	
276+25	44' LT	10	
276+75	39' RT	10	
TOTAL			120

PERIMETER EROSION BARRIER				
STATION	TO	STATION	SIDE	LENGTH FOOT
IL RTE 1				
269+00	TO	270+38	LT	139
269+00	TO	269+38	RT	38
269+62	TO	272+73	RT	342
270+62	TO	272+73	LT	239
273+73	TO	276+88	LT	341
273+73	TO	275+83	RT	237
276+07	TO	277+50	RT	148
277+12	TO	277+50	LT	40
TOTAL				1524
PERIMETER EROSION BARRIER IS SILT FENCE.				

INLET AND PIPE PROTECTION		
STATION	OFFSET	EACH
IL RTE 1		
269+33	58' RT	1
270+26	56' LT	1
276+17	41' RT	1
277+21	34' LT	1
TOTAL		4

ENTRANCES			
LOCATION			AGGREGATE SURFACE COURSE, TYPE B
STATION	SIDE	TYPE	TON
IL RTE 1			
269+50.0	RT	FE	95
270+50.0	LT	FE	103
275+95.0	RT	FE	103
277+00.0	LT	FE	70
TOTAL			371

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1) SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET 1	OF 3 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE. 332	SECTION 4 BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 12
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT							
LOCATION		FOR INFORMATION ONLY					TEMPORARY PAVEMENT
		BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 10"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50			
STATION	TO STATION	SIDE	POUND	TON	TON	SQ YD	
IL RTE 1							
PRE-STAGE 1							
271+67	TO 272+81	LT	18	15	3	26	
273+63	TO 276+65	LT	46	39	8	68	
						TOTAL	94

SEE STAGING TYPICAL AND SPECIAL PROVISION

PAVEMENT								
LOCATION		BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT SHOULDERS, 6"	LONGITUDINAL JOINT SEALANT
STATION	TO STATION	POUND	TON	TON	TON	SQ YD	SQ YD	FOOT
IL RTE 1								
269+00.00	TO 272+47.50	677	61	364	108	111	297	348
273+96.50	TO 277+50.00	560	52	291	86	91	297	354
275+48.00	RT TO 276+65.00	27		22	4			
		TOTAL	1264	113	677	198	594	702

PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB					
					PAVEMENT CONNECTOR (HMA) BRIDGE APPROACH
STATION	TO STATION	LENGTH FOOT	PAVEMENT WIDTH FOOT	AREA SQ YD	
IL RTE 1					
272+37.5	TO 272+47.5	10	38	43	
273+96.5	TO 274+06.5	10	38	43	
				TOTAL	86

GUARDRAIL REMOVAL				
STATION +/-	TO STATION +/-	SIDE	FOOT	
IL RTE 1				
271+55	TO 272+81	RT	127	
271+80	TO 272+81	LT	102	
273+63	TO 274+90	LT	127	
273+63	TO 274+64	RT	102	
			TOTAL	458

PIPE CULVERT REMOVAL					
STATION +/-	SIDE	15" CMP	18" CMP	42" CMP	
FOOT					
IL RTE 1					
270+10.4	57.2' RT			42	
271+55.3	53.8' LT			49	
274+86.5	36.5' RT	50			
275+21.8	33.0' LT		34		
		SUB-TOTAL	50	34	91
		TOTAL	175		
NOTE: END SECTION REMOVAL WILL BE INCLUDED IN THE COST OF PIPE CULVERT REMOVAL.					

SIGNING REMOVAL				
STATION	SIDE	SIGN DESCRIPTION	REMOVE SIGN PANEL ASSEMBLY - TYPE A EACH	
IL RTE 1				
269+83	34.6' RT	NO PARKING	1	
271+60	20.3' RT	WEIGHT LIMIT	1	
272+75	15.5' LT	DELINEATOR PANEL	1	
272+75	15.5' RT	DELINEATOR PANEL	1	
273+67	15.5' LT	DELINEATOR PANEL	1	
273+67	15.5' RT	DELINEATOR PANEL	1	
274+55	20.5' LT	STOP AHEAD	1	
274+55	20.5' RT	STOP AHEAD	1	
274+85	20.5' LT	WEIGHT LIMIT	1	
			TOTAL	9

HMA SURFACE REMOVAL				
LOCATION			BUTT JOINT SQ YD	
STATION +/-	TO STATION +/-			
IL RTE 1				
269+00	TO 269+60		259	
276+90	TO 277+50		170	
			TOTAL	429

PAVEMENT REMOVAL				
LOCATION			AREA SQ YD	
STATION +/-	TO STATION +/-			
IL RTE 1				
271+67	TO 272+81		19	
273+63	TO 276+65		30	
			TOTAL	49
SEE STAGING PLANS FOR DETAILS				

SIGN PANEL AND SIGN SUPPORTS					
LOCATION		SIGN DESIGNATION	SIGN PANEL TYPE 1 SQ FT	WOOD SIGN SUPPORT FOOT	
STATION	SIDE				
IL RTE 1					
274+75	LT	W3-1	9.00	14.2	
	RT	W3-1	9.00	14.2	
			TOTAL	18.00	28.4
			USE	18	29

PIPE CULVERTS									
LOCATION		PIPE CULVERTS CLASS D			METAL FLARED END SECTIONS 15"	METAL FLARED END SECTIONS 18"	METAL FLARED END SECTIONS 42"	TRENCH BACKFILL CU YD	
		TYPE 1 15"	TYPE 1 18"	TYPE 1 42"					
STATION	SIDE	FOOT	FOOT	FOOT	EACH	EACH	EACH		
IL RTE 1									
269+50.00	RT			34			2		
270+50.00	LT			48			2	25	
275+95.00	RT	44			2			7	
277+00.00	LT		42			2		6	
		TOTAL	44	42	82	2	2	4	38

STEEL PLATE BEAM GUARDRAIL									
STATION +/-		TO STATION +/-	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS FOOT	TRAFFIC BARRIER TERMINAL, TYPE 6 EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT EACH	GUARDRAIL REFLECTORS, TYPE A EACH	LINEAR DELINEATOR PANELS, 4 INCH EACH	
IL RTE 1									
270+13	TO 272+63	RT		162.5	1	1	2	1	
271+13	TO 272+63	LT		62.5	1	1	2	1	
273+82	TO 275+32	RT		62.5	1	1	2	1	
273+82	TO 276+32	LT		162.5	1	1	2	1	
				TOTAL	450.0	4	4	8	4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1) SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET 2	OF 3 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE. 332	SECTION 4 BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 13
CONTRACT NO. 66959			ILLINOIS FED. AID PROJECT	

WORK ZONE PAVEMENT MARKING					
LOCATION	TEMPORARY PAVEMENT MARKING				
	LINE 4"		LINE 24"		
	SOLID	DOUBLE	SOLID		
	WHITE	YELLOW	WHITE		
FOOT					
IL RTE 1					
STAGE 1					
267+64	TO	273+22	846	238	13
273+22	TO	278+50	812		13
STAGE 2					
267+75	TO	273+22	682		
273+22	TO	278+50	860		
			3200	238	26
TOTAL			3438		26

TEMPORARY CONCRETE BARRIER							
STATION +/- TO STATION +/-	SIDE	TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	
		FOOT	EACH	FOOT	EACH	EACH	
IL RTE 1							
STAGE 1							
269+54	TO	270+24	X-RD	75	18		1
270+24	TO	273+22	LT	300	72		
273+22	TO	275+90	LT	275	66		
275+90	TO	276+61	X-RD	75	18		1
STAGE 2							
269+54	TO	270+24	X-RD		18	75	1
270+24	TO	273+22	RT		72	300	
273+22	TO	275+89	RT		66	275	
275+89	TO	276+61	X-RD		18	75	1
TOTAL				725	348	725	2
							2

POLYUREA PAVEMENT MARKING TYPE I					
STATION TO STATION	4"		6"		
	SOLID	SOLID	SKIP DASH		
	WHITE	YELLOW	YELLOW		
		LANE	CL	CL	
IL RTE 1					
272+48	TO	278+50	1205	603	160
SUB-TOTAL			1205	603	160
TOTAL			1808		160

THERMOPLASTIC PAVEMENT MARKING									
STATION TO STATION	LETTERS & SYMBOLS	4"		8"		12"	24"		
		SOLID	DOUBLE	SOLID	DOTTED	SOLID	SOLID		
		WHITE	YELLOW	WHITE	WHITE	YELLOW	WHITE		
		LANE	MEDIAN	LANE	LANE	DIAG	STOP BAR		
SQ FT									
IL RTE 1									
266+04	TO	272+48	31.2	1101	2260	128	38	144	52
SUB-TOTAL			31.2	1101	2260	128	38	144	52
TOTAL			31.2	3361	166	144	52		

RAISED REFLECTIVE PAVEMENT MARKER				
LOCATION			1-WAY CRYSTAL	2-WAY AMBER
STATION	TO	STATION	EACH	EACH
IL RTE 1				
266+04.1	TO	273+22.0	3	32
273+22.0	TO	278+50.0		14
SUB-TOTAL			3	46
TOTAL			49	

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL			
LOCATION			EACH
STATION	TO	STATION	
IL RTE 1			
267+38	TO	273+22	16
273+22	TO	278+50	6
TOTAL			22

PAVEMENT MARKING REMOVAL - WATER BLASTING				
STATION TO STATION			LINES	
			4"	8"
IL RTE 1				
266+04.1	TO	273+22.0	838	26
273+22.0	TO	278+50.0	424	
SUB-TOTAL			1262	26
TOTAL			1288	

RUMBLE STRIP			
LOCATION		NB / SB	SQ FT
STATION +/-	TO STATION +/-		
IL RTE 1			
271+00.0	TO	271+25.0	SB 367
276+50.5	TO	276+75.5	SB 325
TOTAL			692

TEMPORARY PAVEMENT MARKING REMOVAL				
STATION TO STATION			LINES	
			4"	24"
			SQ FT	
POST-STAGE 1				
IL RTE 1				
267+64	TO	273+22	125	
273+22	TO	277+90	14	
POST-STAGE 2				
IL RTE 1				
267+75	TO	273+22	216	28
273+22	TO	278+50	268	25
SUB-TOTAL			623	53
TOTAL			676	

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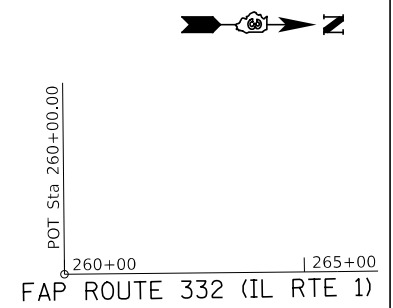
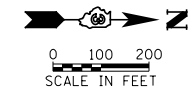
Hutchison Engineering, Inc.
 Jacksonville - Moline - Peoria - Shorewood
 Since 1945

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	DRAWN - RMD	REVISED -
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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

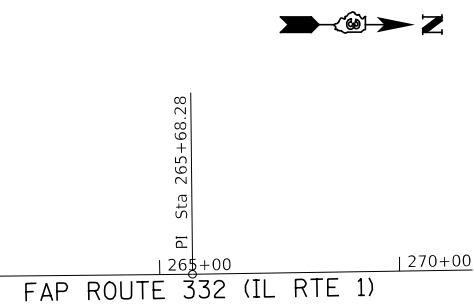
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SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET 3	OF 3 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE. 332	SECTION 4 BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 14
			CONTRACT NO. 66959	
		ILLINOIS FED. AID PROJECT		



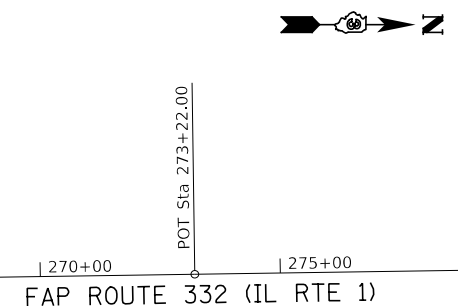
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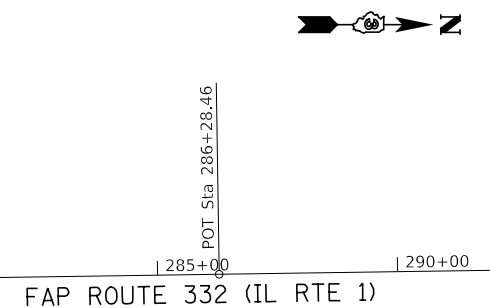
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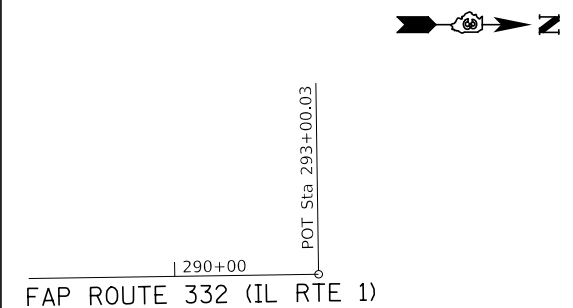
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FAP ROUTE 332 (IL RTE 1) P.O.T. 286 + 28.46



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Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = LZeller
PLOT SCALE = 400,000 ' / in.
PLOT DATE = 8/13/2020

DESIGNED - LDZ
DRAWN - RMD
CHECKED - WLP
DATE - 5/6/2020

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

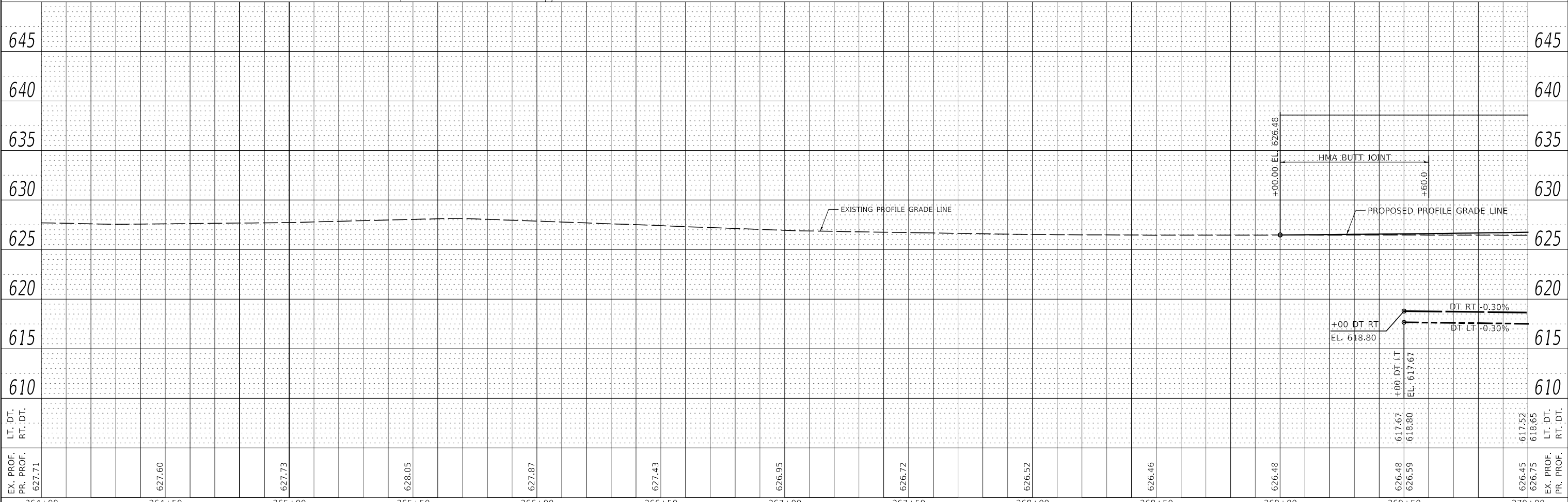
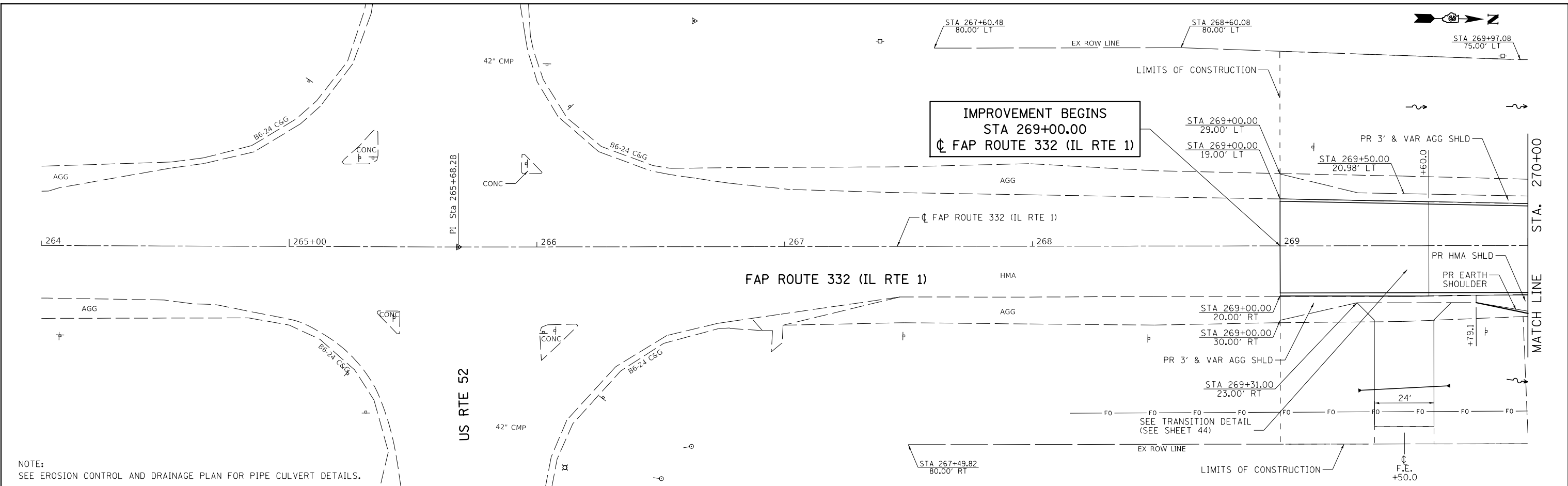
FAP ROUTE 332 (IL RTE 1) ALIGNMENT, TIES & BENCHMARKS			
SCALE: 1"=200'	SHEET 1	OF 1 SHEETS	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	15
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
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	STRUCTURE NOTATION	

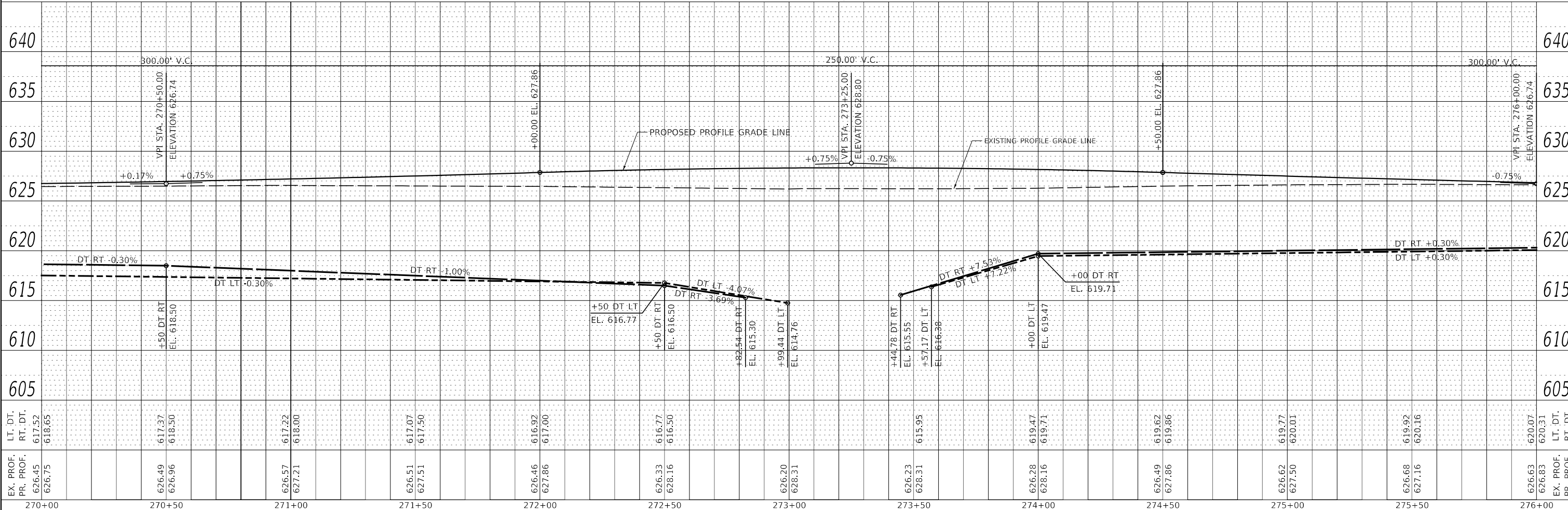
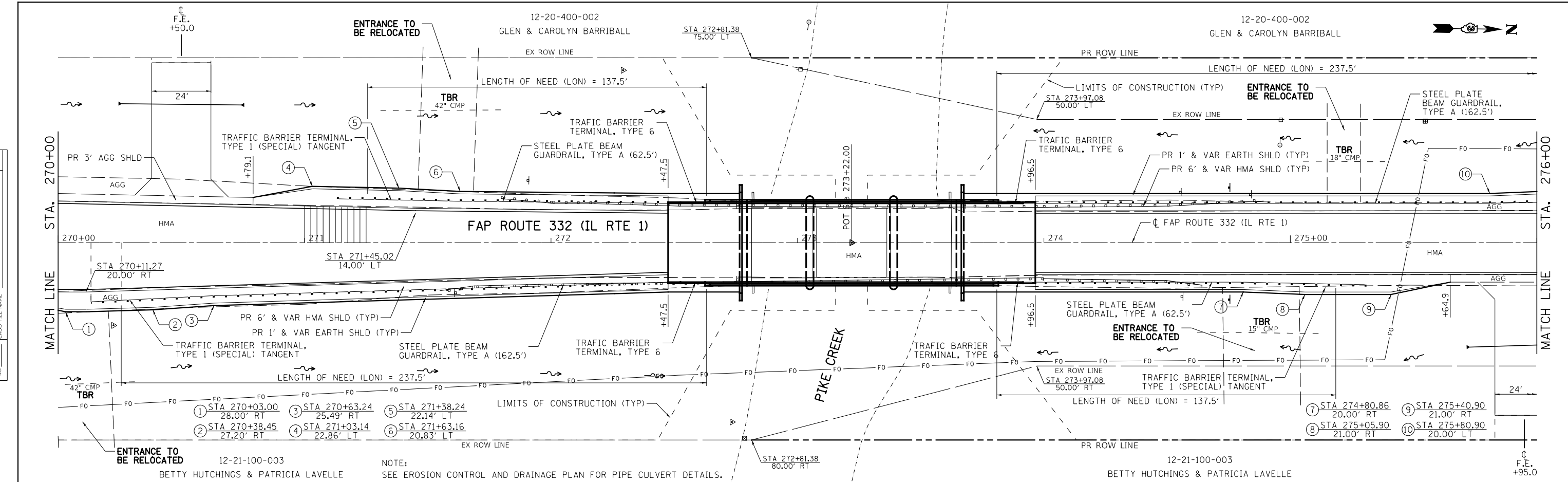
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EX. PROF. PR. PROF. 627.71	627.60	627.73	628.05	627.87	627.43	626.95	626.72	626.52	626.46	626.48	626.48	626.59	617.67	618.80	626.45	626.75	618.65	617.52	
264+00	264+50	265+00	265+50	266+00	266+50	267+00	267+50	268+00	268+50	269+00	269+50	270+00							
USER NAME = LZeller		DESIGNED - LDZ	REVISOR -	DRAWN - RMD		REVISOR -	CHECKED - WLP		REVISOR -	DATE - 5/6/2020		REVISOR -	SCALE: H=20 V=5		SHEET 1 OF 3 SHEETS		STA. 264+00 TO STA. 270+00		
Hutchison Engineering, Inc.		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		FAP ROUTE 332 (IL RTE 1) PLAN & PROFILE		SCALE: H=20 V=5		SHEET 1 OF 3 SHEETS		STA. 264+00 TO STA. 270+00		F.A.P. RTE. 332		SECTION 4 BR		COUNTY IROQUOIS		TOTAL SHEETS 62	
Jacksonville Moline Peoria Shorewood Since 1945																		CONTRACT NO. 66959	
																		ILLINOIS FED. AID PROJECT	

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILE NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES
	CHECKED
	STRUCTURE
	NOTATION
	NO.



EX. PROF. PR. PROF.	626.45 626.75	626.49 626.96	626.57 627.21	626.51 627.51	626.46 627.86	626.33 628.16	626.20 628.31	626.23 628.31	626.28 628.16	626.49 627.86	626.62 627.50	626.68 627.16	626.63 626.83	620.07 620.31
LT. DT. RT. DT.	617.52 618.65	617.37 618.50	617.22 618.00	617.07 617.50	616.92 617.00	616.77 616.50	616.54 616.50	615.54 615.55	615.17 614.38	619.47 619.71	619.62 619.86	619.77 620.01	619.92 620.16	620.07 620.31

Hutchinson Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

USER NAME = LZeller
 DESIGNED - LDZ
 DRAWN - RMD
 CHECKED - WLP
 DATE - 5/6/2020

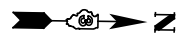
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
 PLAN & PROFILE**

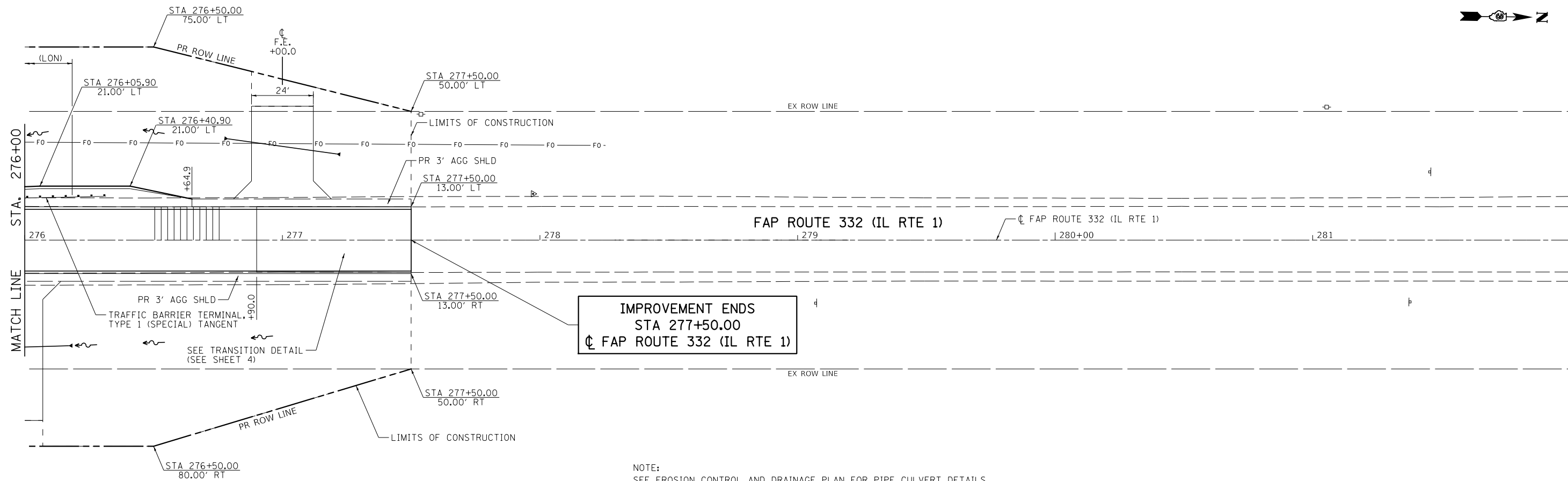
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	17
CONTRACT NO. 66959			ILLINOIS FED. AID PROJECT	

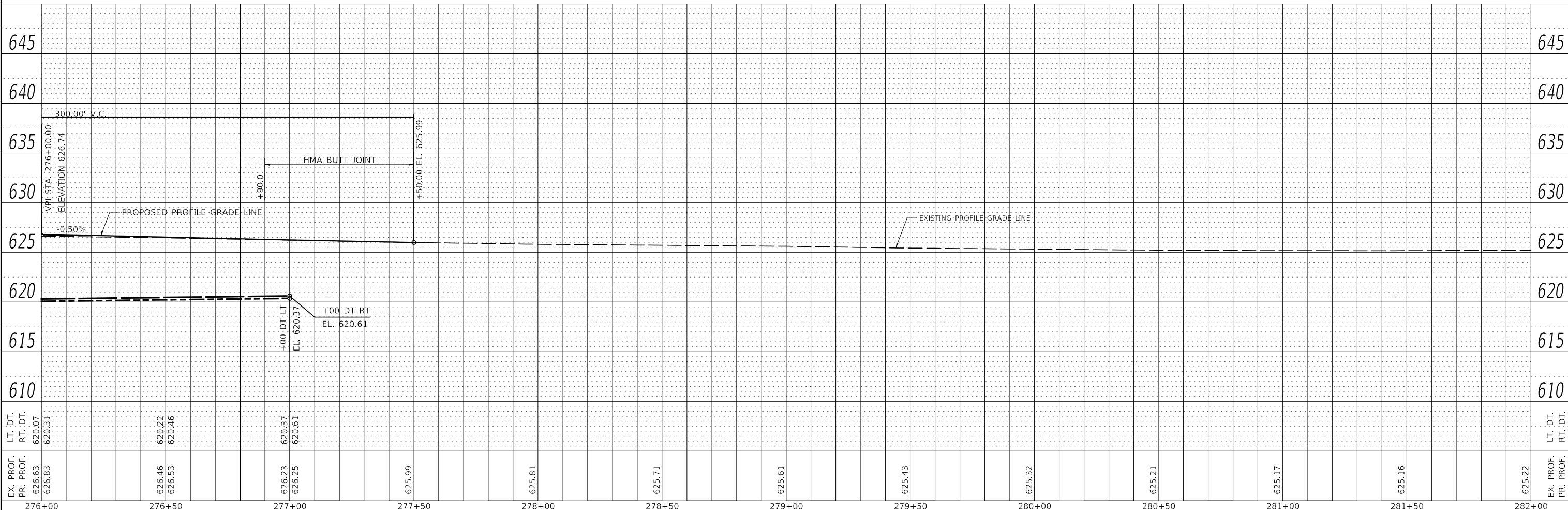


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	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS ERWD	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS ERWD	
	NOTE BOOK NO.	
	CADD FILE NAME	



NOTE:
SEE EROSION CONTROL AND DRAINAGE PLAN FOR PIPE CULVERT DETAILS.



EX. PROF. PR. PROF.	626.83	626.46	626.53	626.23	626.25	625.99	625.81	625.71	625.61	625.43	625.32	625.21	625.17	625.16	625.22	EX. PROF. PR. PROF.
LT. DT. RT. DT.	620.31	620.22	620.46	620.37	620.61											LT. DT. RT. DT.
276+00	276+50	277+00	277+50	278+00	278+50	279+00	279+50	280+00	280+50	281+00	281+50	282+00				

Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

USER NAME = LZeller	DESIGNED - LDZ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - RMD	REVISED -
PLOT DATE = 8/13/2020	CHECKED - WLP	REVISED -
	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

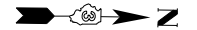
**FAP ROUTE 332 (IL RTE 1)
PLAN & PROFILE**

SCALE: H=20 V=5 SHEET 3 OF 3 SHEETS STA. 276+00 TO STA. 282+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	18
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

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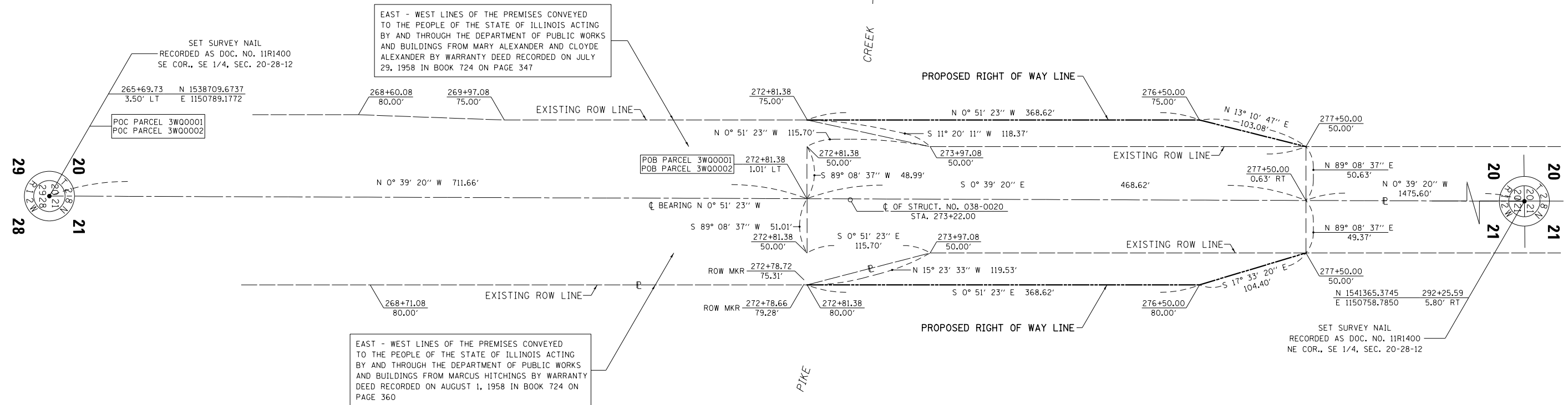
SOUTHEAST QUARTER OF SEC. 20, T. 28 N., R. 12 W., 2ND P.M.



PARCEL 3WQ0001

GLENN A. BARRIBALL, et al.

TOTAL HOLDING = 195.650 AC.±
 TOTAL R.O.W. REQUIRED = 0.743 AC.±
 AREA IN EX. R.O.W. = 0.536 AC.
 NET R.O.W. REQ'D. = 0.207 AC.±
 REMAINDER = 194.907 AC.±



PARCEL 3WQ0002

PATRICIA M. LAVELLE, et al.

TOTAL HOLDING = 230.700 AC.±
 TOTAL R.O.W. REQUIRED = 0.788 AC.±
 AREA IN EX. R.O.W. = 0.540 AC.
 NET R.O.W. REQ'D. = 0.248 AC.±
 REMAINDER = 229.912 AC.±

SURVEYOR'S STATEMENT

I, CURT A. BENDER, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 332 (ILLINOIS RTE 1) WAS MADE BY WILLETT HOFMANN & ASSOCIATES, INC. UNDER MY DIRECTION, AT THE REQUEST OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CURT A. BENDER, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3688 (EXPIRES NOVEMBER 2012)
 WILLETT, HOFMANN & ASSOCIATES, INC. - DESIGN FIRM NO. 184-000918
 809 EAST SECOND STREET, DIXON, IL 61021 PHONE: (815) 284-3381

GRID TO GROUND FACTOR: 1.00000667



NOTE: FOR THE PURPOSE OF THIS PLAT, BEARINGS ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, (NAD-83, 2007 ADJ.).

SOUTHWEST QUARTER OF SEC. 21, T. 28 N., R. 12 W., 2ND P.M.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

PROJECT: ILLINOIS ROUTE 1
 JOB NO. R-93-003-11
 STA. 272+50.00 TO STA. 277+50.00
 SCALE: 1" = 50'
 SHEET NO. 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	19
ILLINOIS ROUTE 1			CONTRACT NO. 66959	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PRE-STAGE 1 CONSTRUCTION

INSTALL TRAFFIC CONTROL SIGNING ACCORDING TO IDOT HIGHWAY STANDARD 701326.

CONSTRUCT TEMPORARY WIDENING FROM STA 271+67 TO 272+81 (LT) AND FROM STA 273+62 TO STA 276+65 (LT) AS SHOWN IN THE PRE-STAGE 1 PLANS.

TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

TWO-WAY TRAFFIC SHALL BE ACCOMMODATED AT ALL TIMES ON EXISTING PAVEMENT, EXCEPT DURING ISOLATED FLAGGER CONTROLLED LANE CLOSURES.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET, OR AS AUTHORIZED BY THE ENGINEER. SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR.

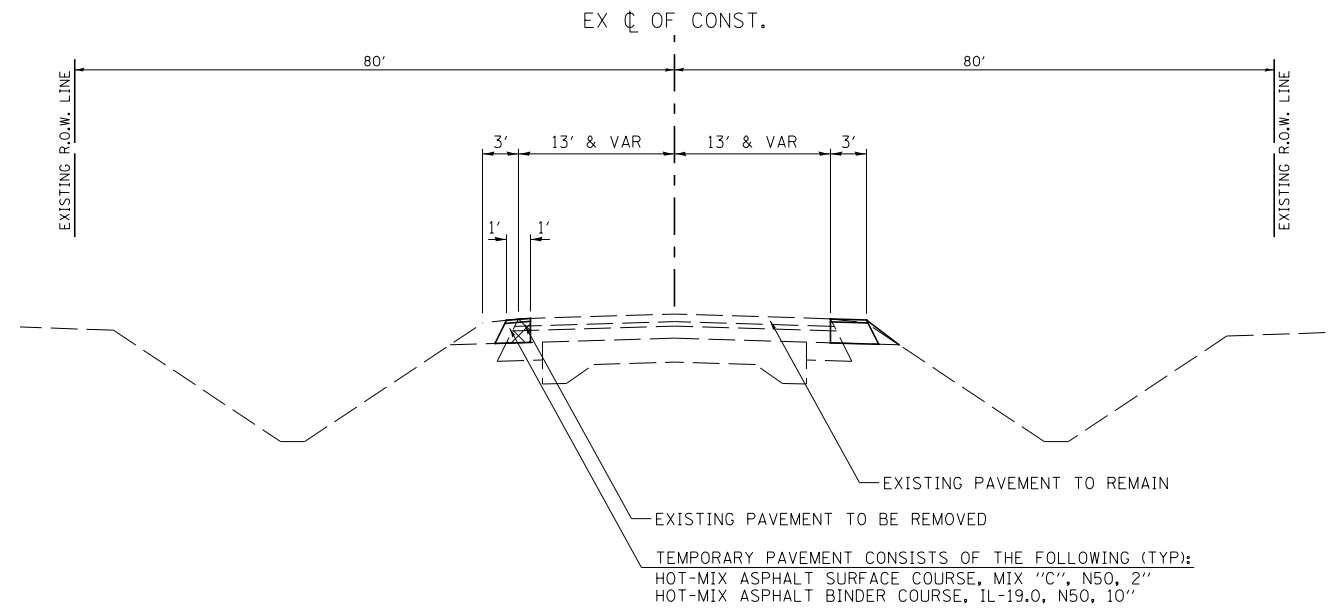
THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO ENSURE THAT NO DROP-OFF OF GREATER THAN 12", WITHIN 3' OF THE TRAVEL LANE, IS PRESENT FOR 48 HOURS OR MORE.

NO DROP-OFF GREATER THAN 24" WITHIN 12' OF THE TRAVEL LANE WILL BE ALLOWED UNLESS A FLAGGER CONTROLLED LANE CLOSURE IS PROVIDED. SEGMENTS WHERE THESE CONDITIONS OCCUR DURING NON-WORKING HOURS MUST BE PROTECTED WITH TEMPORARY CONCRETE BARRIER. UNLESS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR WILL ONLY BE PAID FOR TEMPORARY CONCRETE BARRIER ALONG SEGMENTS SHOWN IN THE PLANS.

VERTICAL PANELS, TYPE II BARRICADES OR DRUMS WITH STEADY-BURNING LIGHTS SHALL BE REQUIRED TO DELINEATE THE TRAVEL WAY. THE MAXIMUM SPACING SHALL BE 100 FEET, CENTER TO CENTER ALONG TANGENTS (50 FEET ALONG TAPERS); AND 25 FEET, CENTER TO CENTER ALONG RADII TO SIDE ROADS AND ENTRANCES.

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC FOR THIS PROJECT: 701001, 701006, 701011, 701201, 701301, 701321, 701326, 701901 & 704001.

CHANGEABLE MESSAGE SIGNS ARE TO BE IN PLACE 2 WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION.



PRE-STAGE 1 TYPICAL SECTION

FAP ROUTE 332 (IL RTE 1)

STA 271+67 TO STA 272+81 LT
STA 273+62 TO STA 276+65 LT

MODEL: Default
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Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

USER NAME = LZeller	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

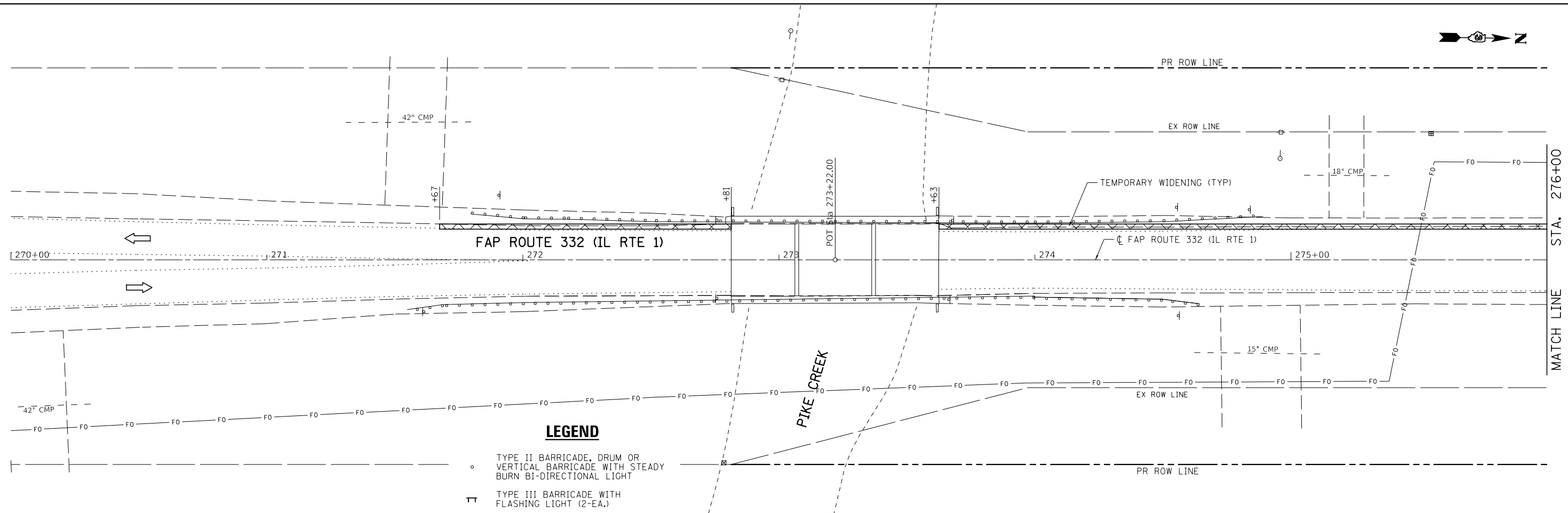
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
PRE-STAGE 1 CONSTRUCTION NOTES AND TYPICAL SECTIONS**

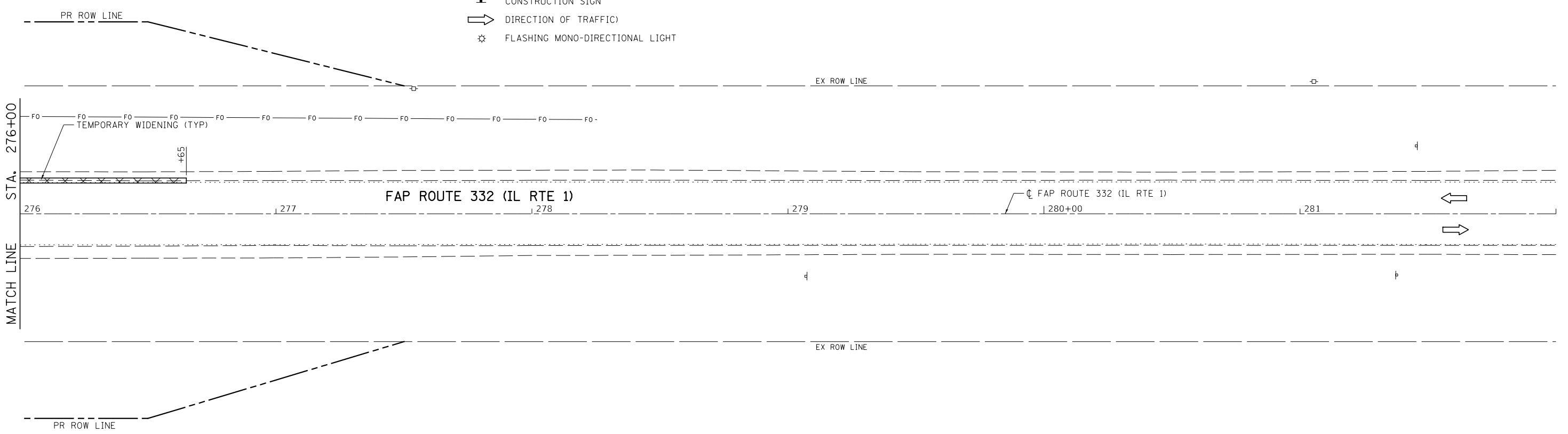
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	20
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

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- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ▭ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- ▲ CONSTRUCTION SIGN
- ➔ DIRECTION OF TRAFFIC
- ⚡ FLASHING MONO-DIRECTIONAL LIGHT



USER NAME = LZeller	DESIGNED - LDZ	REVISED -
DRAWN - RMD	CHECKED - WLP	REVISED -
PLOT SCALE = 40.0000' / in.	DATE - 5/6/2020	REVISED -
PLOT DATE = 8/13/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1) PRESTAGE 1 CONSTRUCTION & TRAFFIC CONTROL			
SCALE: 1"=20'	SHEET 1 OF 1 SHEETS	STA. 264+00 TO STA. 276+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	21
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

STAGE 1 CONSTRUCTION

INSTALL TRAFFIC CONTROL SIGNING ACCORDING TO IDOT HIGHWAY STANDARD 701321.

REMOVE NORTHBOUND SUBSTRUCTURE AND SUPERSTRUCTURE OF EXISTING SN 038-0020 AS SHOWN IN THE STRUCTURE PLANS. CONSTRUCT NORTHBOUND SUBSTRUCTURE AND SUPERSTRUCTURE OF PROPOSED SN 038-0226 AS SHOWN IN THE STRUCTURE PLANS.

CONSTRUCT NORTHBOUND HALF OF FAP 332 (IL 1), MINUS THE SURFACE COURSE, FROM STA 270+00 TO STA 272+48 AND FROM STA 273+97 TO STA 276+50. CONSTRUCT HOT-MIX ASPHALT SHOULDER AND STEEL PLATE BEAM GUARDRAIL TO THE LIMITS SHOWN IN THE STAGE 1 CONSTRUCTION PLANS.

CONSTRUCT RELOCATED FIELD ENTRANCES AT STA 269+50 AND STA 275+95 TO MAINTAIN ACCESS ONCE STEEL PLATE BEAM GUARDRAIL IS INSTALLED.

CONSTRUCT TEMPORARY WIDENING FROM STA 275+47 TO STA 276+75 (RT) AS SHOWN IN THE STAGE 1 PLANS.

TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

ONE LANE, TWO-WAY TRAFFIC SHALL BE ACCOMMODATED AT ALL TIMES.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET, OR AS AUTHORIZED BY THE ENGINEER. SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR.

THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO ENSURE THAT NO DROP-OFF OF GREATER THAN 12", WITHIN 3' OF THE TRAVEL LANE, IS PRESENT FOR 48 HOURS OR MORE.

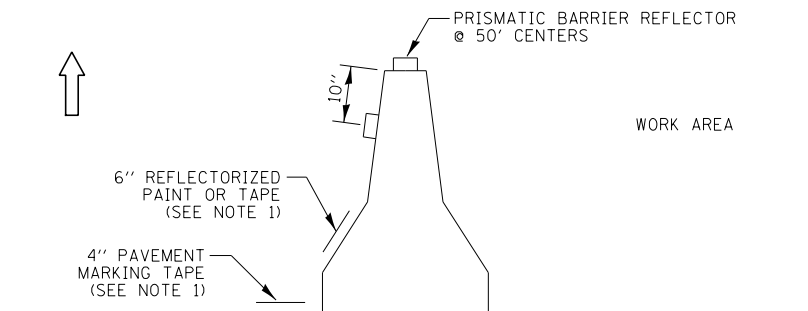
NO DROP-OFF GREATER THAN 24" WITHIN 12' OF THE TRAVEL LANE WILL BE ALLOWED UNLESS A FLAGGER CONTROLLED LANE CLOSURE IS PROVIDED. SEGMENTS WHERE THESE CONDITIONS OCCUR DURING NON-WORKING HOURS MUST BE PROTECTED WITH TEMPORARY CONCRETE BARRIER. UNLESS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR WILL ONLY BE PAID FOR TEMPORARY CONCRETE BARRIER ALONG SEGMENTS SHOWN IN THE PLANS.

VERTICAL PANELS, TYPE II BARRICADES OR DRUMS WITH STEADY-BURNING LIGHTS SHALL BE REQUIRED TO DELINEATE THE TRAVEL WAY. THE MAXIMUM SPACING SHALL BE 100 FEET, CENTER TO CENTER ALONG TANGENTS (50 FEET ALONG TAPERS); AND 25 FEET, CENTER TO CENTER ALONG RADII TO SIDE ROADS AND ENTRANCES.

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC FOR THIS PROJECT: 701001, 701006, 701011, 701201, 701301, 701321, 701326, 701901 & 704001.

TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR NORTHBOUND TRAFFIC.

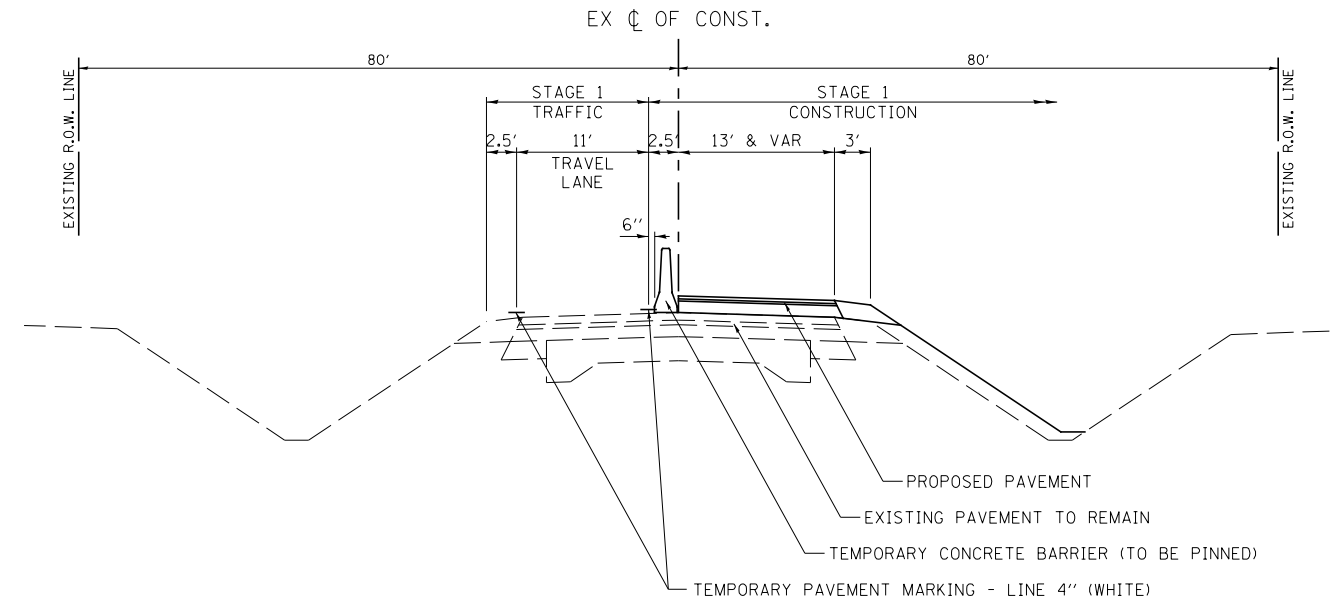
CHANGEABLE MESSAGE SIGNS ARE TO BE IN PLACE 2 WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION.



NOTES:

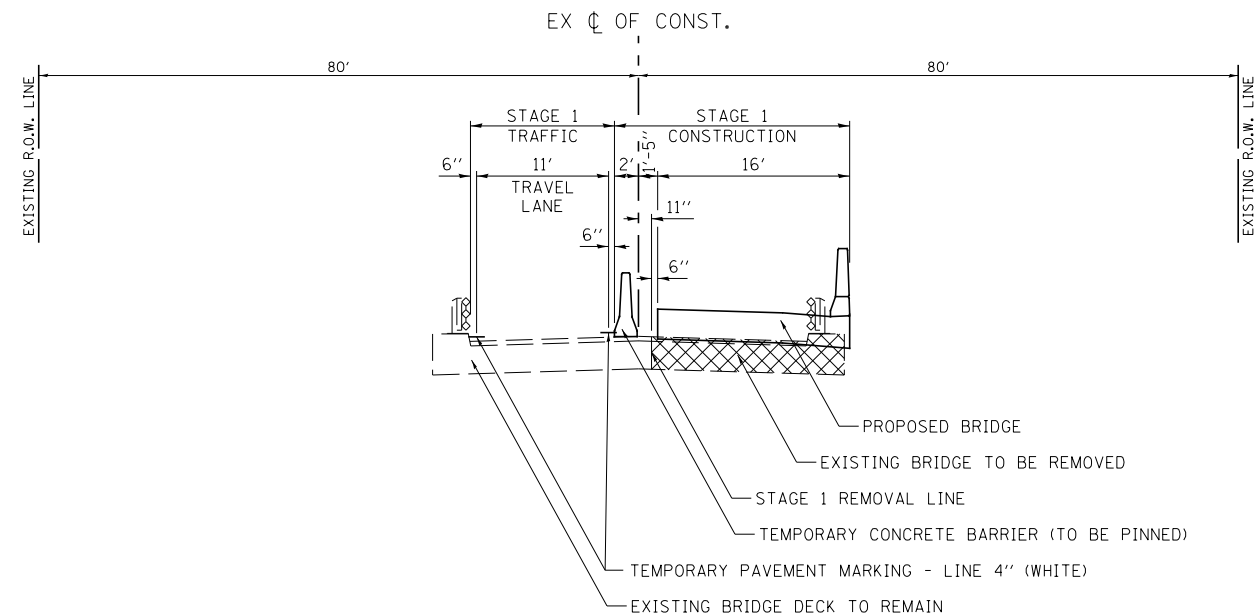
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COST OF THE REFLECTORS IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TEMPORARY CONCRETE BARRIER WALL DETAILS



**STAGE 1 TYPICAL SECTION
FAP ROUTE 332 (IL RTE 1)**

STA 269+00 TO STA 272+48
STA 273+97 TO STA 277+50



**STAGE 1 TYPICAL SECTION
FAP ROUTE 332 (IL RTE 1)**

STA 272+48 TO STA 273+97

MODEL: Default
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Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

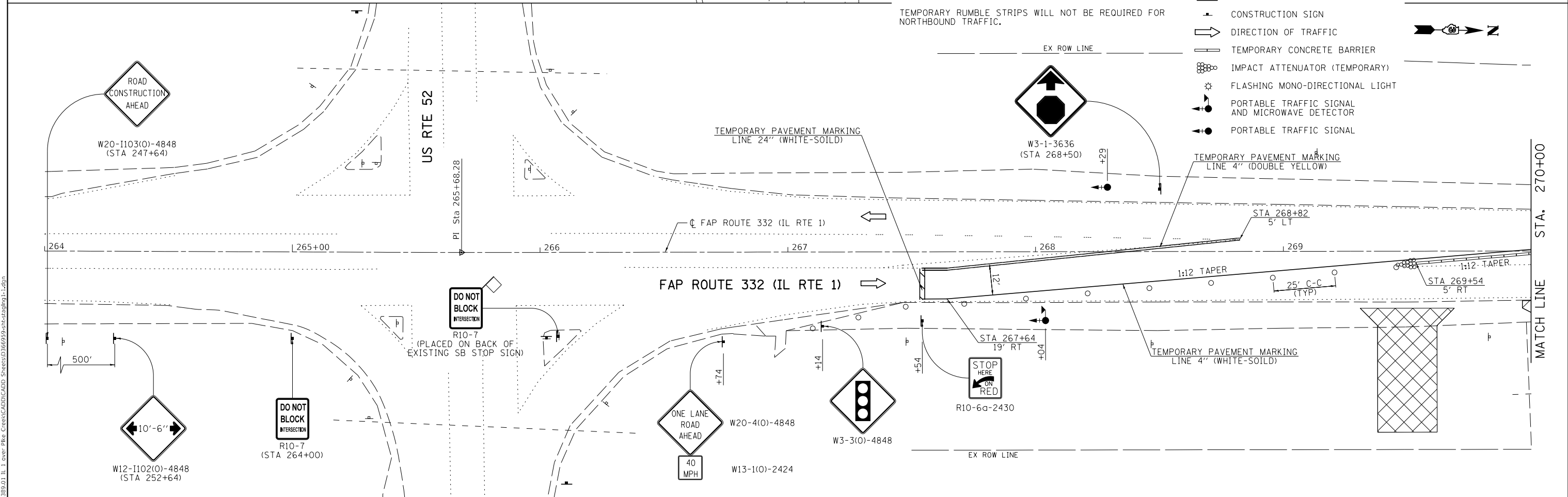
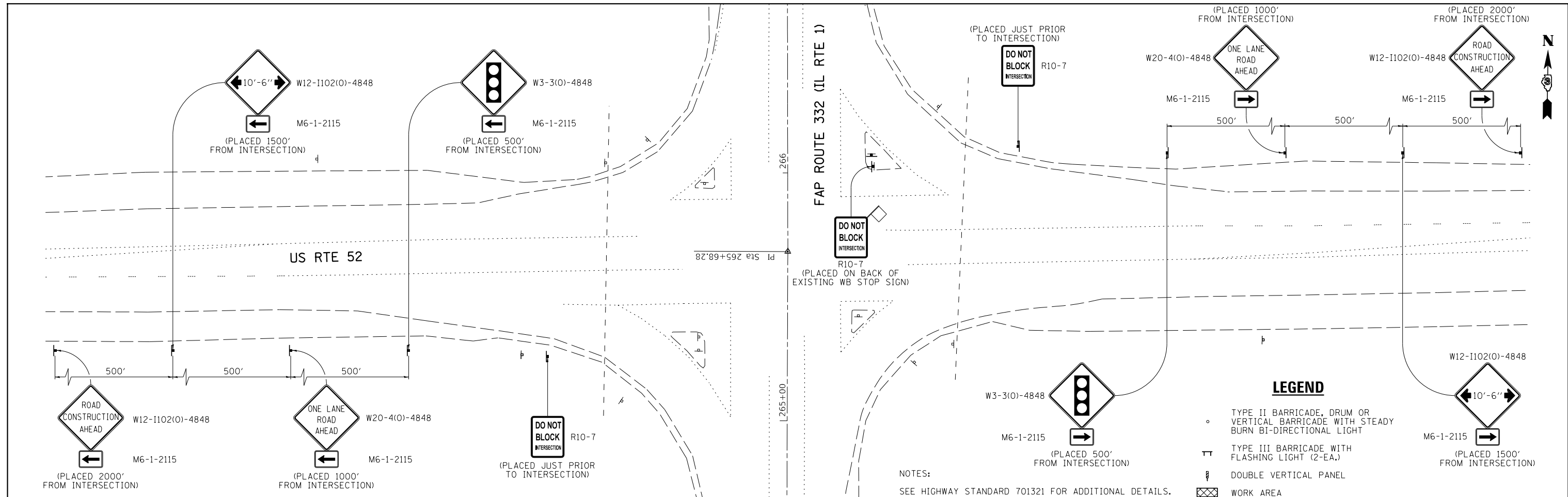
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PLOT DATE = 8/13/2020	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
STAGE 1 CONSTRUCTION NOTES AND TYPICAL SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	22
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



LEGEND

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ▬ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- ⊥ CONSTRUCTION SIGN
- ➡ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ⊙ IMPACT ATTENUATOR (TEMPORARY)
- ⚡ FLASHING MONO-DIRECTIONAL LIGHT
- ⚡ PORTABLE TRAFFIC SIGNAL AND MICROWAVE DETECTOR
- ⚡ PORTABLE TRAFFIC SIGNAL

NOTES:
SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS.
TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR NORTHBOUND TRAFFIC.

Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

USER NAME = LZeller	DESIGNED - LDZ	REVISED -
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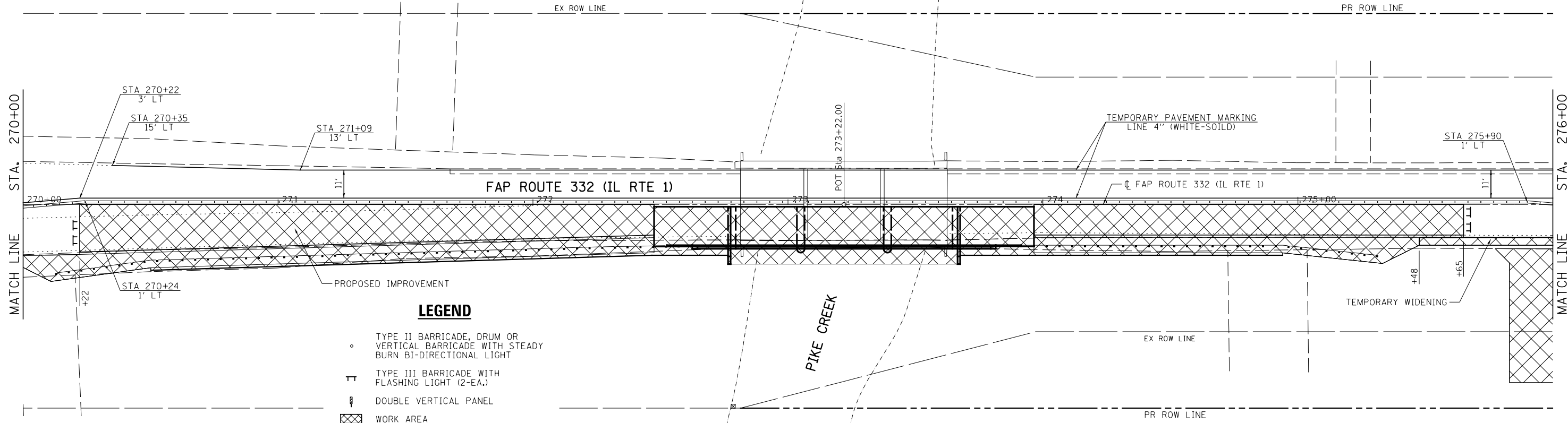
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1)
STAGE 1 CONSTRUCTION & TRAFFIC CONTROL

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 264+00 TO STA. 276+00

F.A.P. RTE. 332	SECTION 4 BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 23
			CONTRACT NO. 66959	
		ILLINOIS FED. AID PROJECT		

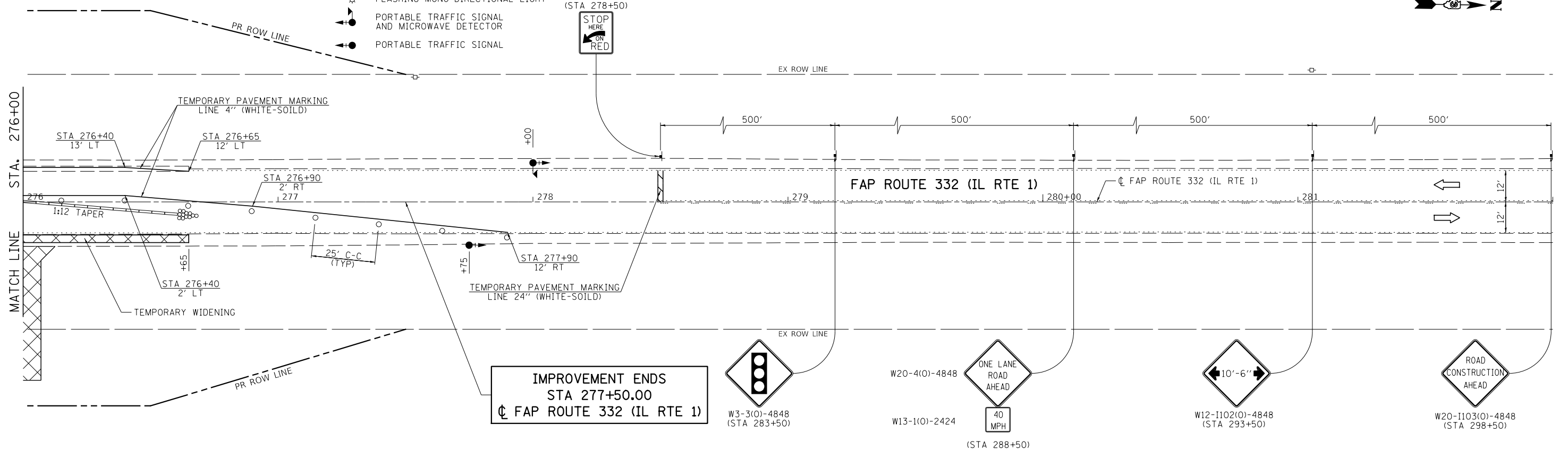
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LEGEND

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ▬ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- ⊥ CONSTRUCTION SIGN
- ➔ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ⊙ IMPACT ATTENUATOR (TEMPORARY)
- ⚡ FLASHING MONO-DIRECTIONAL LIGHT
- ⬆ PORTABLE TRAFFIC SIGNAL AND MICROWAVE DETECTOR
- ⬆ PORTABLE TRAFFIC SIGNAL

NOTE:
SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS.



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 Jacksonville Moline Peoria Shorewood
 Since 1945

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	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
STAGE 1 CONSTRUCTION & TRAFFIC CONTROL**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 276+00 TO STA. 282+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	24
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

STAGE 2 CONSTRUCTION

INSTALL TRAFFIC CONTROL SIGNING ACCORDING TO IDOT HIGHWAY STANDARD 701321.

REMOVE SOUTHBOUND SUBSTRUCTURE AND SUPERSTRUCTURE OF EXISTING SN 038-0020 AS SHOWN IN THE STRUCTURE PLANS. CONSTRUCT SOUTHBOUND SUBSTRUCTURE AND SUPERSTRUCTURE OF PROPOSED SN 038-0226 AS SHOWN IN THE STRUCTURE PLANS.

CONSTRUCT SOUTHBOUND HALF OF FAP 332 (IL 1), MINUS THE SURFACE COURSE, FROM STA 270+00 TO STA 272+48 AND FROM STA 273+97 TO STA 276+50. CONSTRUCT HOT-MIX ASPHALT SHOULDER AND STEEL PLATE BEAM GUARDRAIL TO THE LIMITS SHOWN IN THE STAGE 2 CONSTRUCTION PLANS.

CONSTRUCT RELOCATED FIELD ENTRANCES AT STA 270+50 AND STA 277+00 TO MAINTAIN ACCESS ONCE STEEL PLATE BEAM GUARDRAIL IS INSTALLED.

TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

ONE LANE, TWO-WAY TRAFFIC SHALL BE ACCOMMODATED AT ALL TIMES.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET, OR AS AUTHORIZED BY THE ENGINEER. SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR.

THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO ENSURE THAT NO DROP-OFF OF GREATER THAN 12", WITHIN 3' OF THE TRAVEL LANE, IS PRESENT FOR 48 HOURS OR MORE.

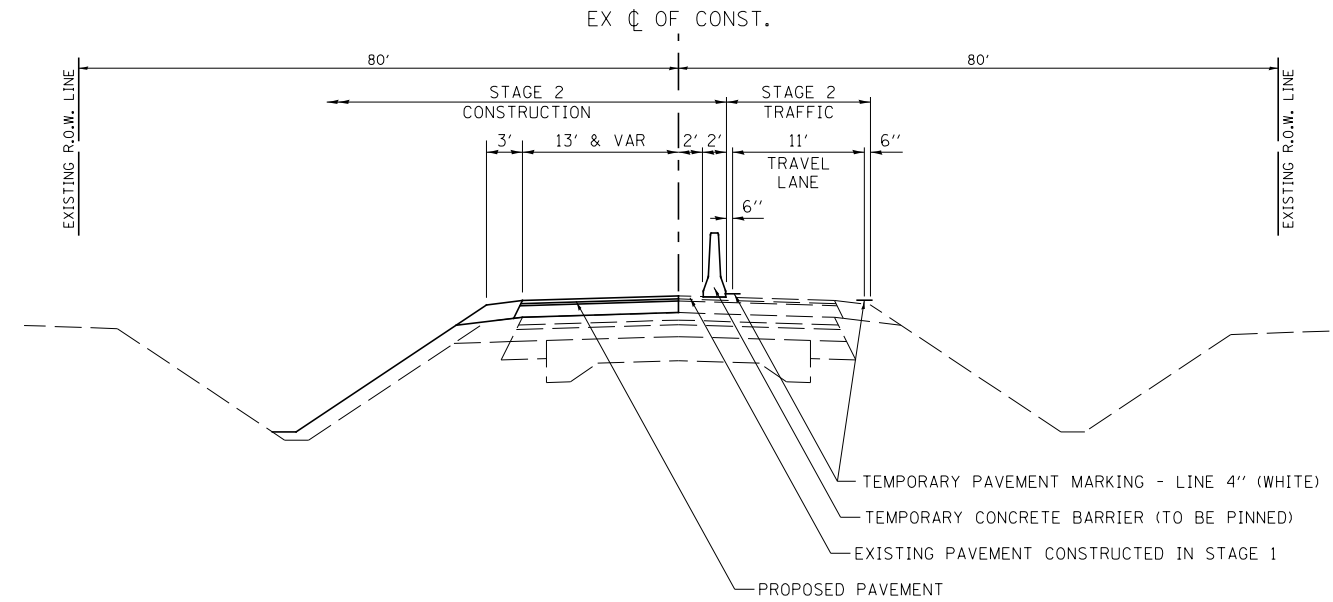
NO DROP-OFF GREATER THAN 24" WITHIN 12' OF THE TRAVEL LANE WILL BE ALLOWED UNLESS A FLAGGER CONTROLLED LANE CLOSURE IS PROVIDED. SEGMENTS WHERE THESE CONDITIONS OCCUR DURING NON-WORKING HOURS MUST BE PROTECTED WITH TEMPORARY CONCRETE BARRIER. UNLESS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR WILL ONLY BE PAID FOR TEMPORARY CONCRETE BARRIER ALONG SEGMENTS SHOWN IN THE PLANS.

VERTICAL PANELS, TYPE II BARRICADES OR DRUMS WITH STEADY-BURNING LIGHTS SHALL BE REQUIRED TO DELINEATE THE TRAVEL WAY. THE MAXIMUM SPACING SHALL BE 100 FEET, CENTER TO CENTER ALONG TANGENTS (50 FEET ALONG TAPERS); AND 25 FEET, CENTER TO CENTER ALONG RADII TO SIDE ROADS AND ENTRANCES.

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC FOR THIS PROJECT: 701001, 701006, 701011, 701201, 701301, 701321, 701326, 701901 & 704001.

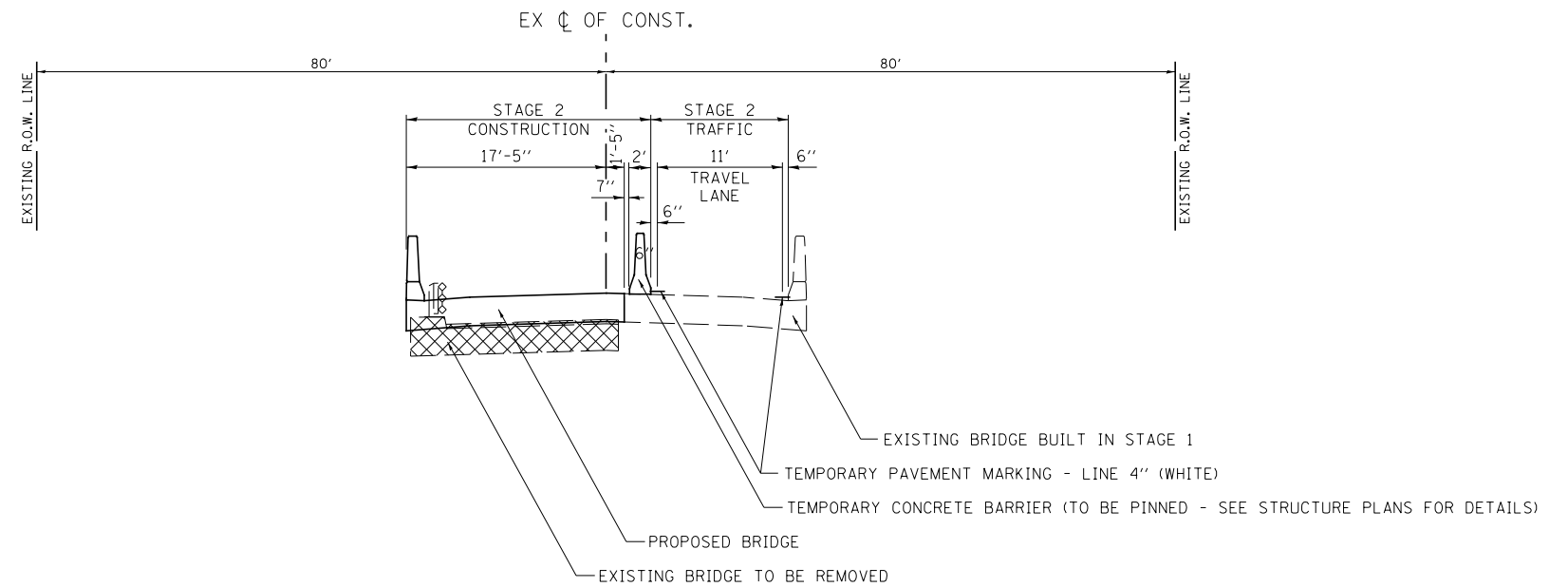
TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR NORTHBOUND TRAFFIC.

CHANGEABLE MESSAGE SIGNS ARE TO BE IN PLACE 2 WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION.



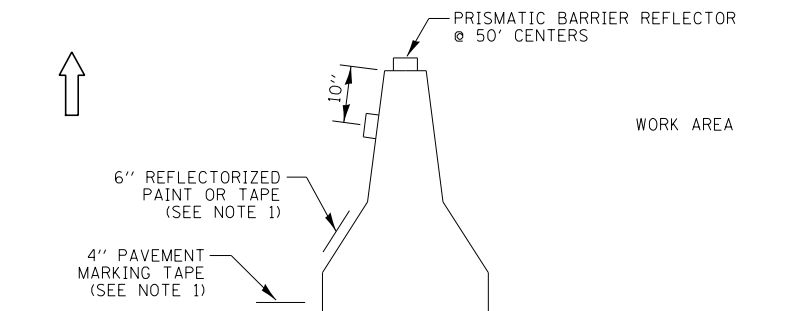
**STAGE 2 TYPICAL SECTION
FAP ROUTE 332 (IL RTE 1)**

STA 269+00 TO STA 272+48
STA 273+97 TO STA 277+50



**STAGE 2 TYPICAL SECTION
FAP ROUTE 332 (IL RTE 1)**

STA 272+48 TO STA 273+97



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COST OF THE REFLECTORS IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TEMPORARY CONCRETE BARRIER WALL DETAILS

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Jacksonville Moline Peoria Shorewood
Since 1945

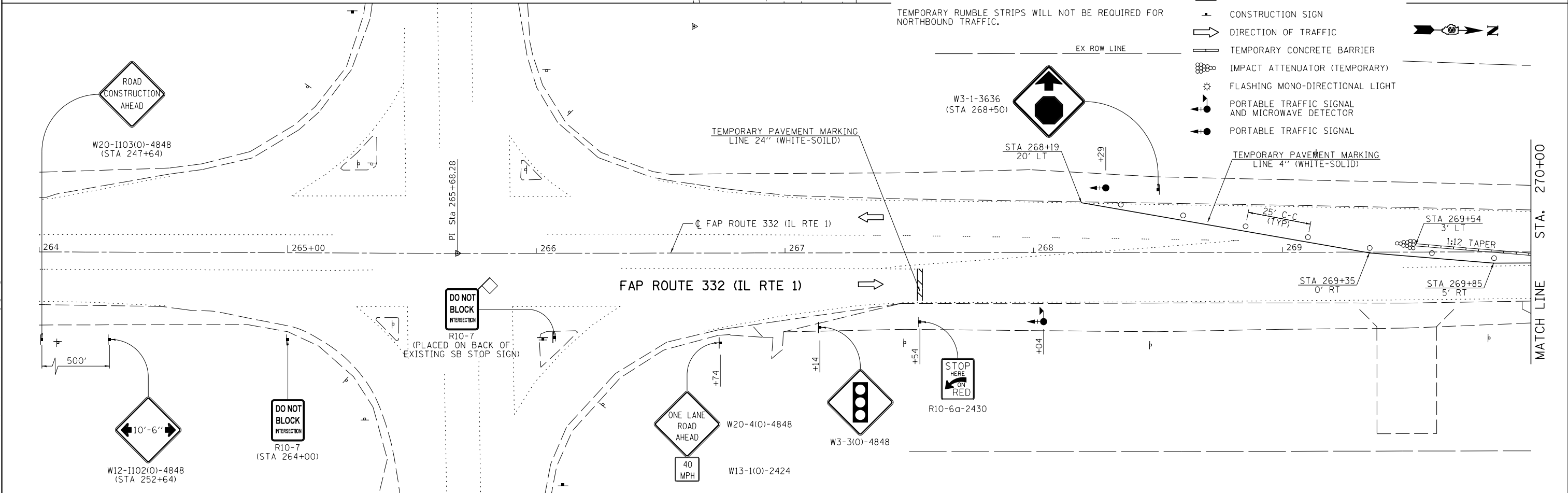
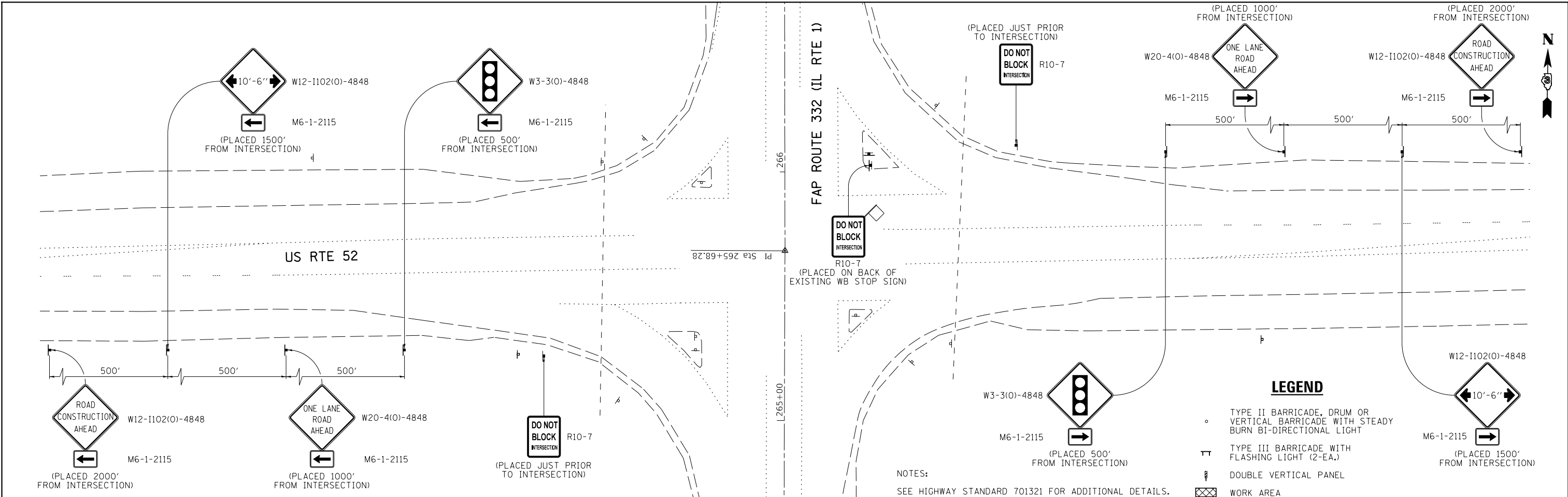
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
STAGE 2 CONSTRUCTION NOTES AND TYPICAL SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	25
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
 - ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
 - ▬ DOUBLE VERTICAL PANEL
 - ▨ WORK AREA
 - ⊥ CONSTRUCTION SIGN
 - ➡ DIRECTION OF TRAFFIC
 - ▬ TEMPORARY CONCRETE BARRIER
 - ⊙ IMPACT ATTENUATOR (TEMPORARY)
 - ⚡ FLASHING MONO-DIRECTIONAL LIGHT
 - ⚡ PORTABLE TRAFFIC SIGNAL AND MICROWAVE DETECTOR
 - ⚡ PORTABLE TRAFFIC SIGNAL

NOTES:
 SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS.
 TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR NORTHBOUND TRAFFIC.

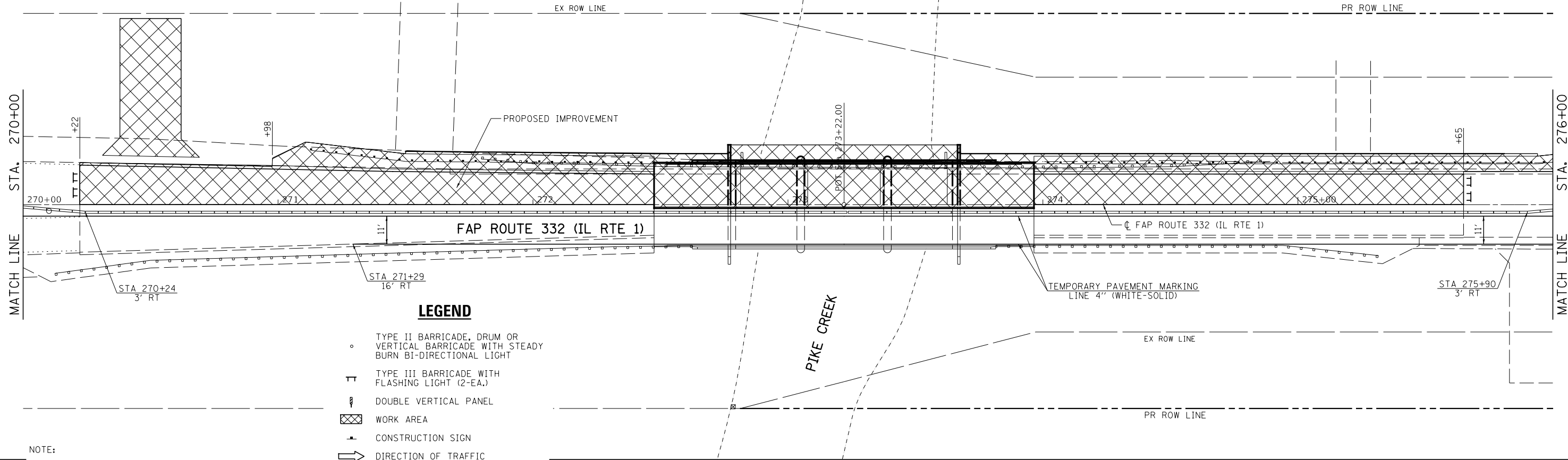
Hutchinson Engineering, Inc.
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 Since 1945

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	DATE - 5/6/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1)
 STAGE 2 CONSTRUCTION & TRAFFIC CONTROL
 SCALE: 1"=20'
 SHEET 1 OF 2 SHEETS
 STA. 264+00 TO STA. 276+00

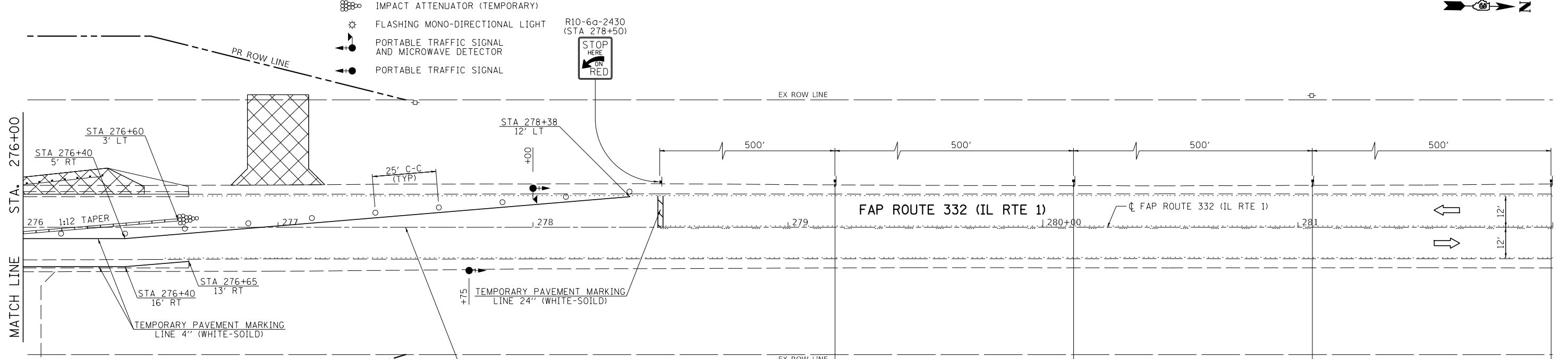
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	26
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



LEGEND

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ▬ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- ⊥ CONSTRUCTION SIGN
- ➔ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ⊞ IMPACT ATTENUATOR (TEMPORARY)
- ⊙ FLASHING MONO-DIRECTIONAL LIGHT
- ⊙ PORTABLE TRAFFIC SIGNAL AND MICROWAVE DETECTOR
- ⊙ PORTABLE TRAFFIC SIGNAL

NOTE:
SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS.



IMPROVEMENT ENDS
STA 277+50.00
FAP ROUTE 332 (IL RTE 1)



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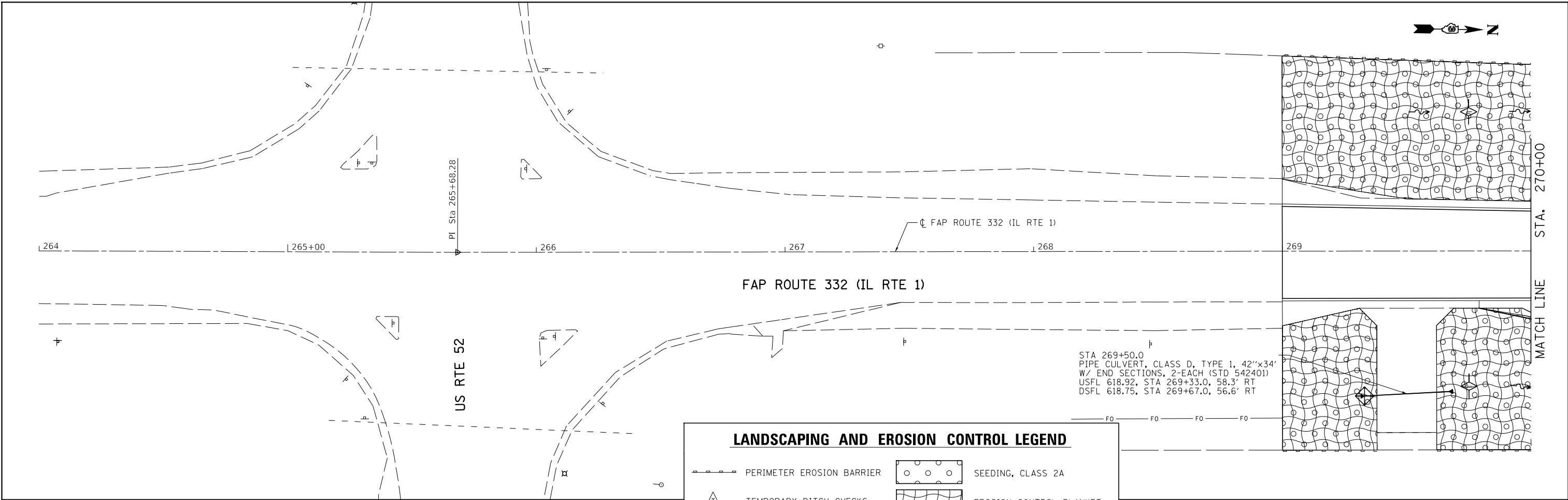
Hutchison Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

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	DATE - 5/6/2020	REVISED -


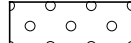




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

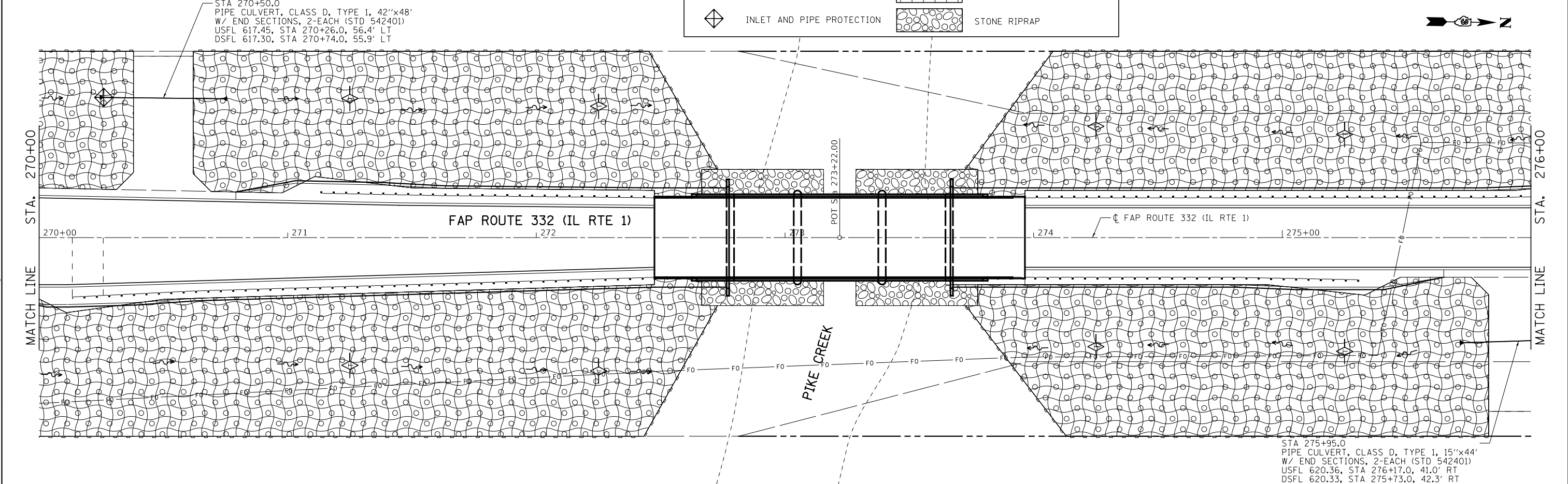
**FAP ROUTE 332 (IL RTE 1)
STAGE 2 CONSTRUCTION & TRAFFIC CONTROL**
 SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 276+00 TO STA. 282+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	27
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



LANDSCAPING AND EROSION CONTROL LEGEND

	PERIMETER EROSION BARRIER		SEEDING, CLASS 2A
	TEMPORARY DITCH CHECKS		EROSION CONTROL BLANKET
	INLET AND PIPE PROTECTION		STONE RIPRAP



Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

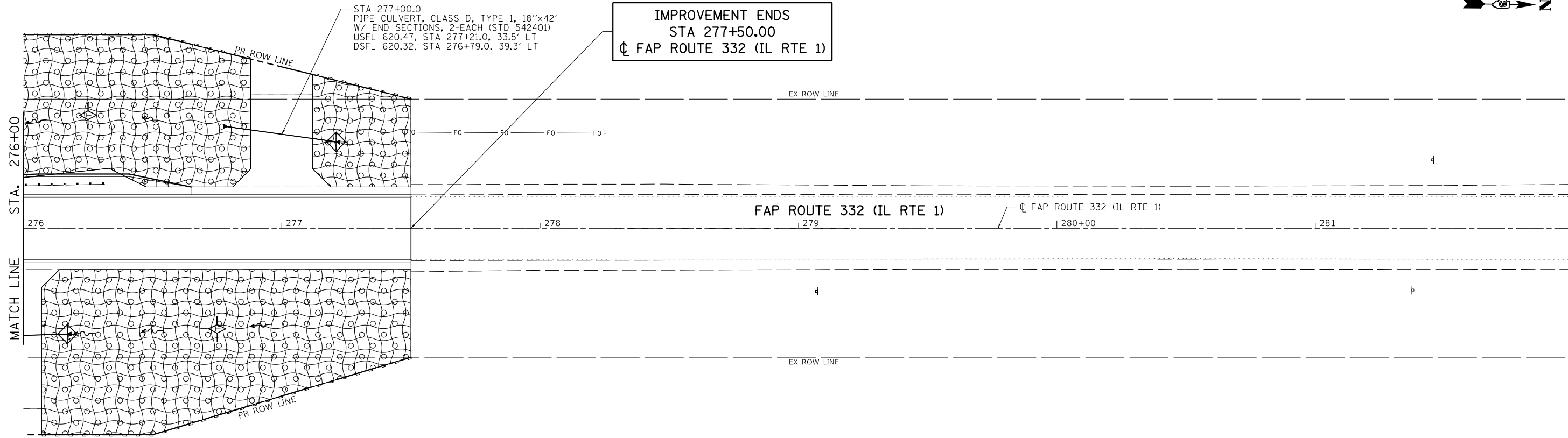
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	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
EROSION CONTROL & DRAINAGE PLAN**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 264+00 TO STA. 276+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	28
			CONTRACT NO. 66959	
		ILLINOIS FED. AID PROJECT		



LANDSCAPING AND EROSION CONTROL LEGEND

	PERIMETER EROSION BARRIER		SEEDING, CLASS 2A
	TEMPORARY DITCH CHECKS		EROSION CONTROL BLANKET
	INLET AND PIPE PROTECTION		STONE RIPRAP

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Hutchison Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

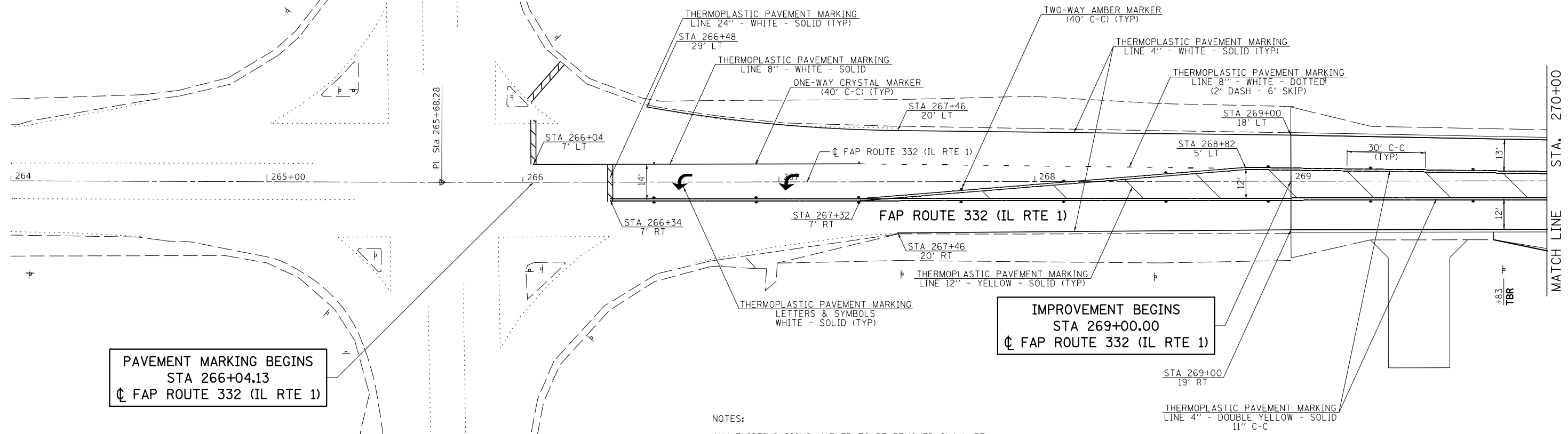
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

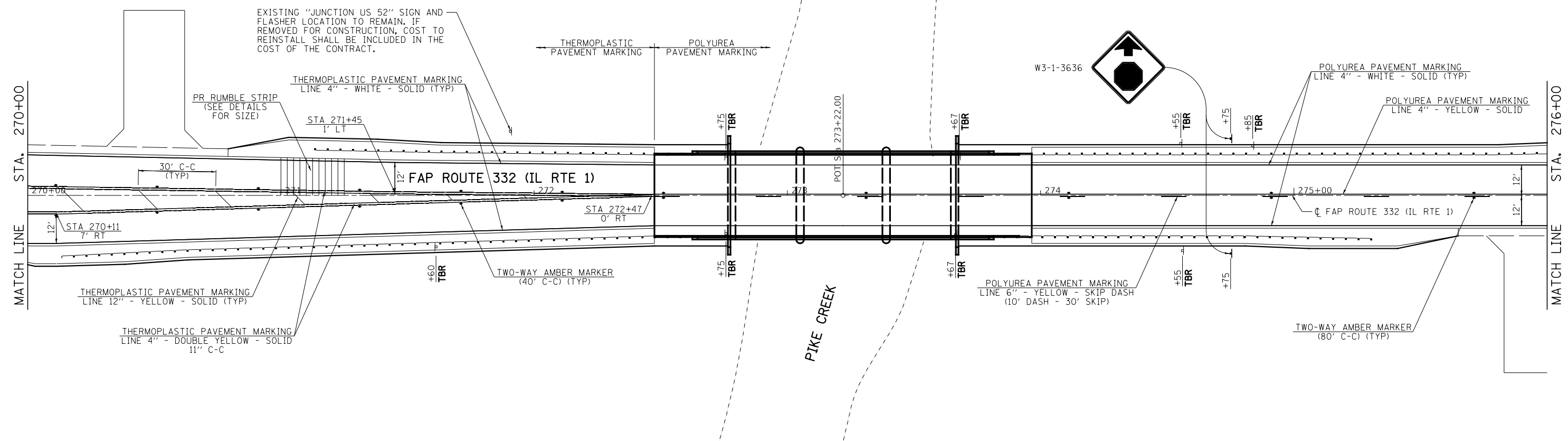
FAP ROUTE 332 (IL RTE 1)
EROSION CONTROL & DRAINAGE PLAN

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 276+00 TO STA. 282+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	29
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



NOTES:
 ANY EXISTING SIGNS MARKED TO BE REMOVED SHALL BE RETURNED TO THE IDOT TRAFFIC FACILITY IN ASHKUM.



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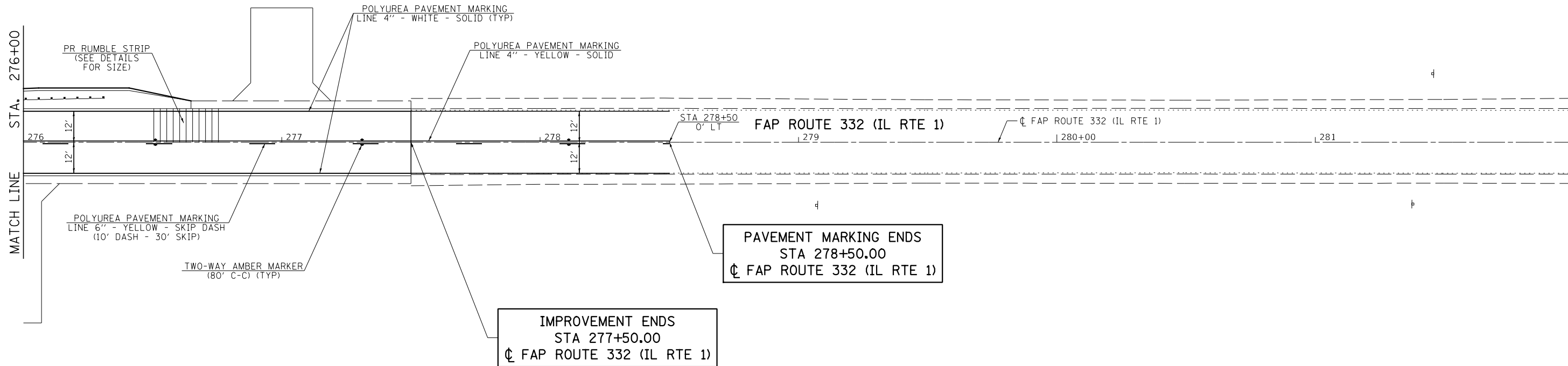
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	DATE - 5/6/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
 PAVEMENT MARKING & SIGNING PLAN**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 264+00 TO STA. 276+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	30
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



NOTES:
 ANY EXISTING SIGNS MARKED TO BE REMOVED SHALL BE
 RETURNED TO THE IDOT TRAFFIC FACILITY IN ASHKUM.

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Hutchison Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

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PLOT DATE = 8/13/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 332 (IL RTE 1)
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 276+00 TO STA. 282+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	31
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

B.M.: Railroad Spike in Power Pole Chiseled "□" in N.E. Wing Wall, Sta. 273+62.00,
Sta. 267+39.37, 82.04' Lt. 39.00' Rt., Elev. 626.55
Elev. 626.56

Existing Structure:

S.N. 038-0020 originally constructed in 1918, replaced in 1954 as a cast-in-place three-span slab bridge with gravity abutments and concrete pile bent piers. Back-to-Back abutment length is 81'-2" and out-to-out width of deck is 34'-4". The wearing surface was replaced in 1970 and a new three-beam bridge rail was installed in 1984. The bridge is to be fully replaced.

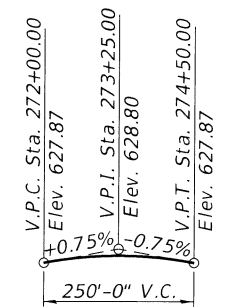
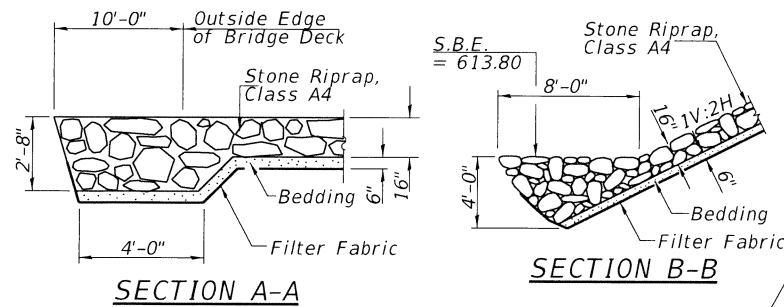
Salvage: None

Stage construction will be utilized to maintain one signalized lane of traffic.

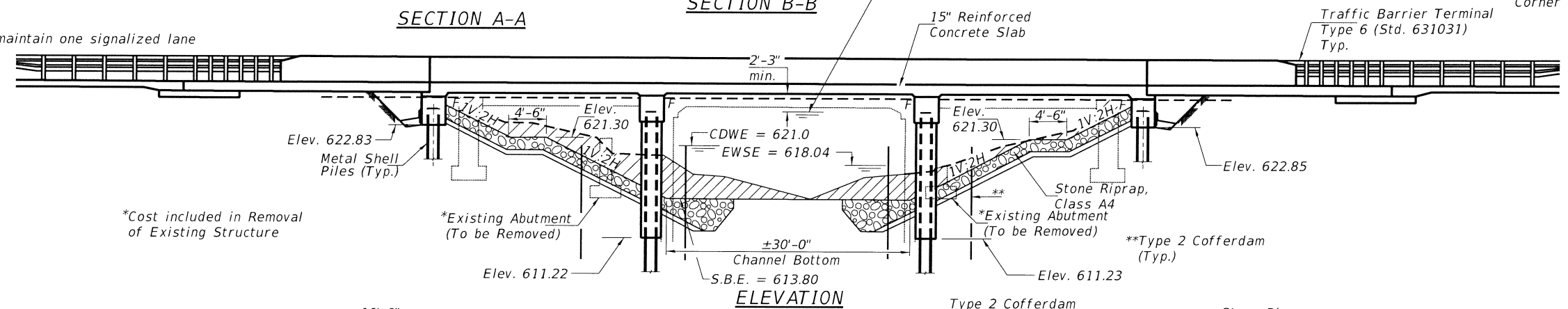
STATION 273+22.00
BUILT 202 BY
STATE OF ILLINOIS
F.A.P. RTE 332 SEC. 4-BR
LOADING HL-93
STR. NO. 038-0226

NAME PLATE

Locate Name Plate on parapet at S.E. Corner of Bridge (See Std. 515001)

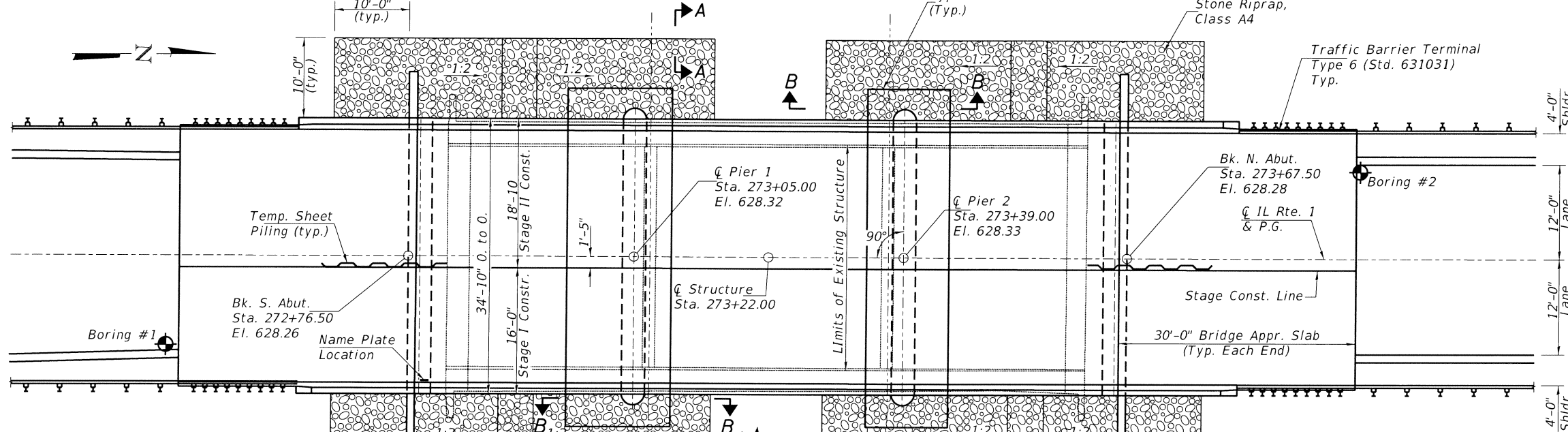


PROFILE GRADE
F.A.P. 332 (IL Rte 1)



*Cost included in Removal of Existing Structure

ELEVATION



DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)				Item 113
	S. Abut.	Pier 1	Pier 2	N. Abut.	
Q100	-	610.2	610.2	-	8
Q200	-	610.2	610.2	-	
Design	622.8	610.2	610.2	622.9	
Check	622.8	610.2	610.2	622.9	

DESIGN STRESSES

(FIELD UNITS)
f'_c = 3,500 p.s.i. (Substructure)
f'_c = 4,000 p.s.i. (Superstructure)
f_y = 60,000 p.s.i. (Reinforcement)

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	1,120	360	469	623.6	0.2	0.0	623.7	623.6
Ex. Overtopping	50	1,750	436	547	624.6	0.3	0.1	624.9	624.7
Base/Scour Des.	65	1,870	449	560	624.8	0.5	0.1	625.3	624.9
Scour Check	100	2,030	457	588	625.1	0.5	0.2	625.6	625.4
Max. Calc.	200	2,320	457	625	625.6	0.5	0.3	626.1	625.9
	500	2,710	457	646	625.8	0.5	0.3	626.4	626.1

10-Yr. Velocity through Existing Structure = 3.2 fps
10-Yr. Velocity through Proposed Structure = 2.4 fps

PLAN SEISMIC DATA

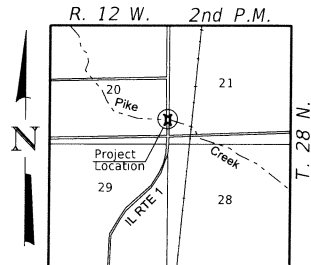
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.076
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.127
Soil Site Class = C

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.



LOCATION SKETCH

APPROVED
For Structural Adequacy Only
Sh. Carl Kumpke
Engineer of Bridges & Structures
Lic Exp 11/30/2020

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 1 OVER PIKE CREEK
F.A.P. RTE. 332 - SEC. 4-BR
IROQUOIS COUNTY
STA. 273+22.00
STRUCTURE NO. 038-0226

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Hutchison Engineering, Inc.
Jacksonville-Moline-Peoria-Shorewood
Since 1945

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PLOT SCALE = 2.0000' / in.	DRAWN = CTM	REVISED =
PLOT DATE = 8/6/2020	CHECKED = ZL/BAN	REVISED =
	DATE =	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 038-0226

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	32
CONTRACT NO. 66959			ILLINOIS FED. AID PROJECT	

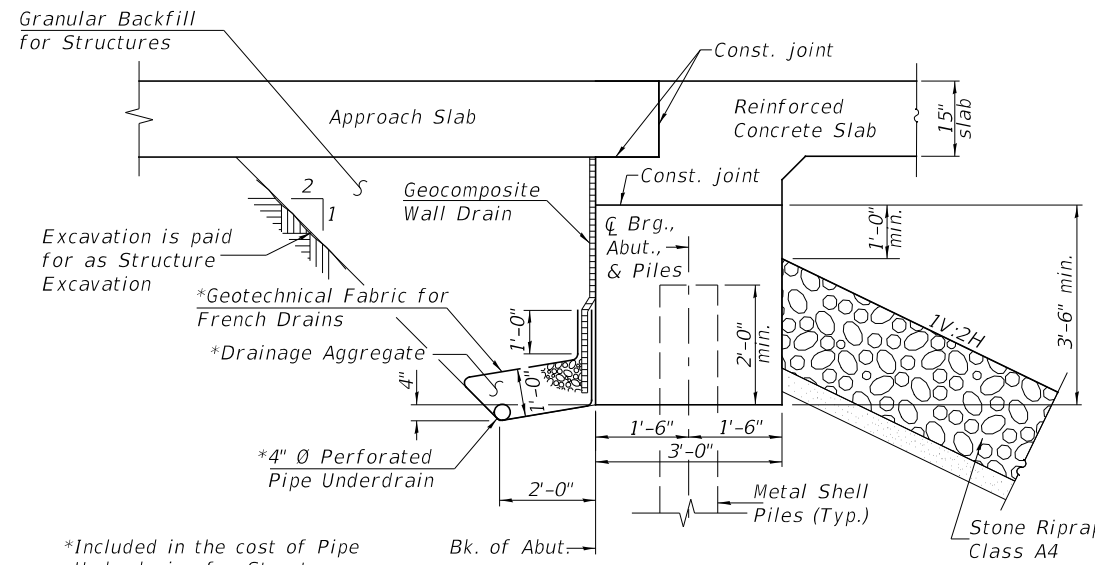
SCALE: SHEET 1 OF 21 SHEETS STA. TO STA.

INDEX OF SHEETS

SH. #	DESCRIPTION
1	General Plan & Elevation
2	General Data
3	Stage Construction Details
4	Temporary Concrete Barrier for Stage Construction
5	Top of Slab Elevations
6 - 7	Top of Approach Slab Elevations
8	Superstructure
9	Superstructure Details
10 - 11	Bridge Approach Slab Details
12	South Abutment
13	North Abutment
14	Pier 1
15	Pier 2
16	Metal Shell Pile Details
17	Concrete Parapet Slipforming Option
18	Mechanical Splicer/Bar Splicer Details
19 - 21	Soil Boring Logs

GENERAL NOTES

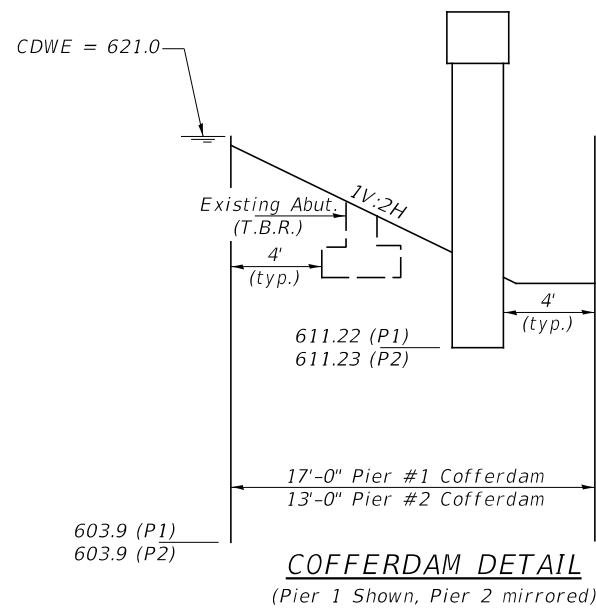
Reinforcement bars designated (E) shall be epoxy coated.
 Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
 Soil borings indicate hard driving of piles is anticipated. Care shall be taken to avoid damaging the piles at piers while driving.



SECTION THRU ABUTMENTS

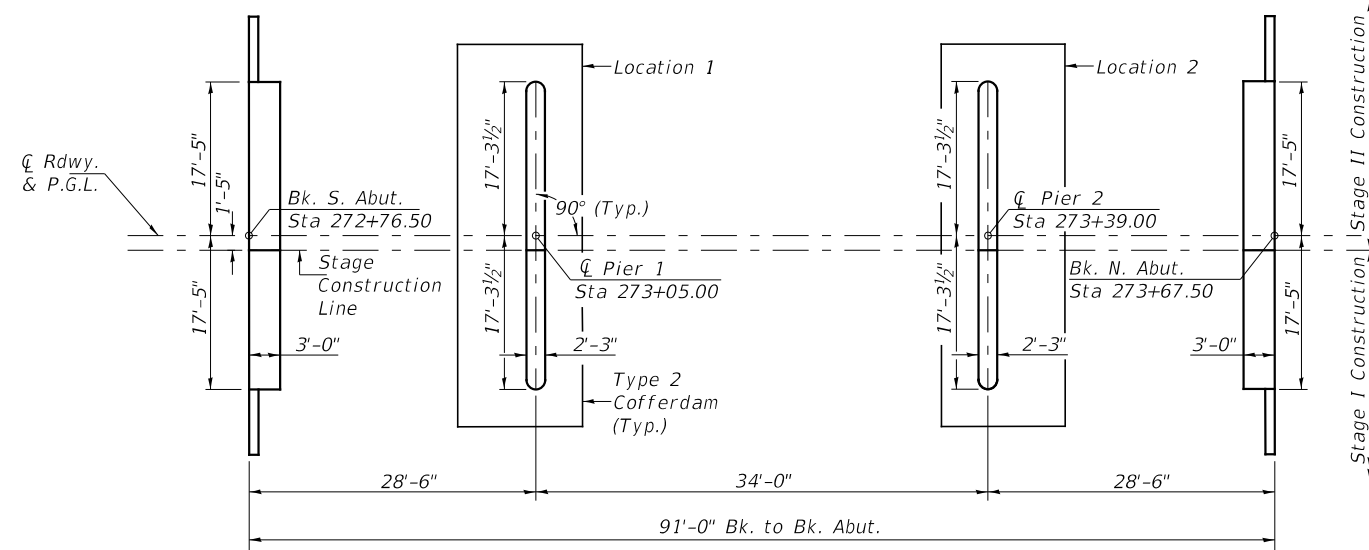
*Included in the cost of Pipe Underdrains for Structures (See Special Provisions)

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



COFFERDAM DETAIL

(Pier 1 Shown, Pier 2 mirrored)



FOOTING LAYOUT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	SQ YD	—	525	525
Filter Fabric	SQ YD	—	525	525
Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU YD	—	110	110
Cofferdam Excavation	CU YD	—	260	260
Cofferdam (Type 2) (Location-1)	EACH	—	1	1
Cofferdam (Type 2) (Location-2)	EACH	—	1	1
Concrete Structures	CU YD	—	139.6	139.6
Concrete Superstructure	CU YD	181.1	—	181.1
Bridge Deck Grooving	SQ YD	497	—	497
Protective Coat	SQ YD	643	—	643
Concrete Superstructure (Approach Slab)	CU YD	94.8	—	94.8
Reinforcement Bars, Epoxy Coated	POUND	110,280	13,660	123,940
Bar Splicers	EACH	636	96	772
Furnishing Metal Shell Piles 14"x0.312"	FOOT	—	895	895
Driving Piles	FOOT	—	895	895
Test Pile Metal Shells	EACH	—	4	4
Name Plates	EACH	1	—	1
Temporary Sheet Piling	SQ FT	—	606	606
Pile Shoes	EACH	—	12	12
Granular Backfill for Structures	CU YD	—	75	75
Geocomposite Wall Drain	SQ YD	—	35	35
Pipe Underdrains for Structures 4"	FOOT	—	102	102

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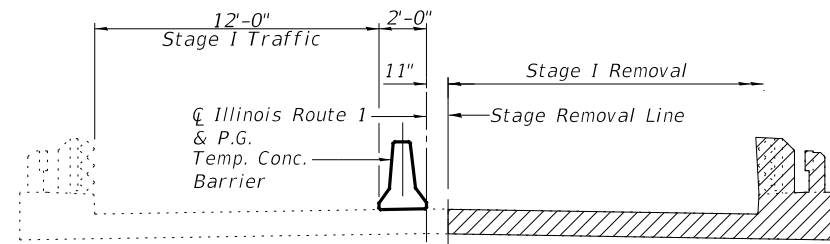
Hutchison Engineering, Inc.
 Jacksonville-Moline-Peoria-Shorewood
 Since 1945

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PLOT DATE = 8/13/2020	DATE -	REVISED -

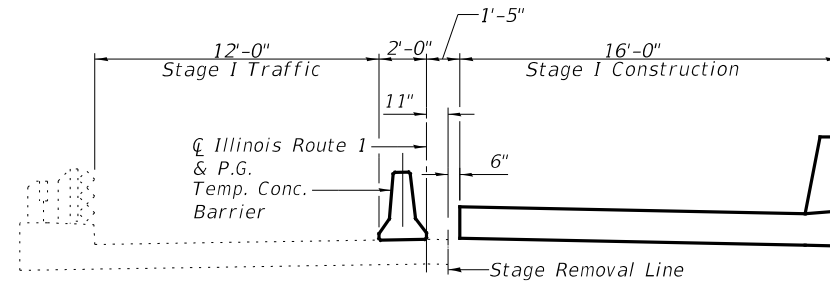
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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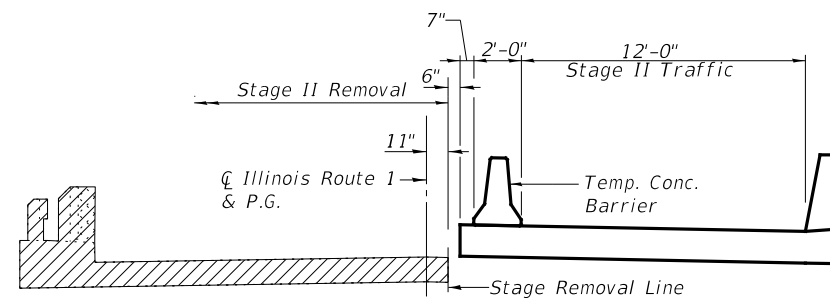
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	33
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



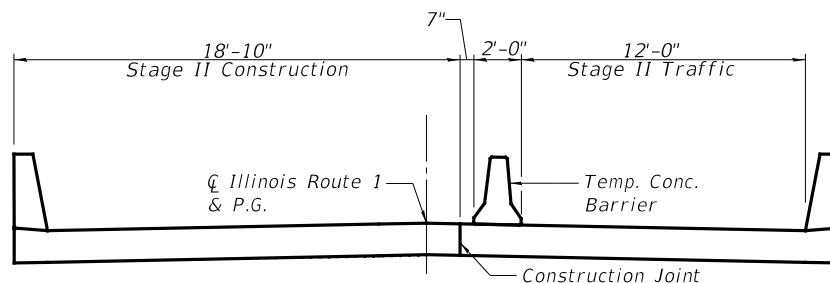
STAGE I REMOVAL
(Looking North)



STAGE I CONSTRUCTION
(Looking North)

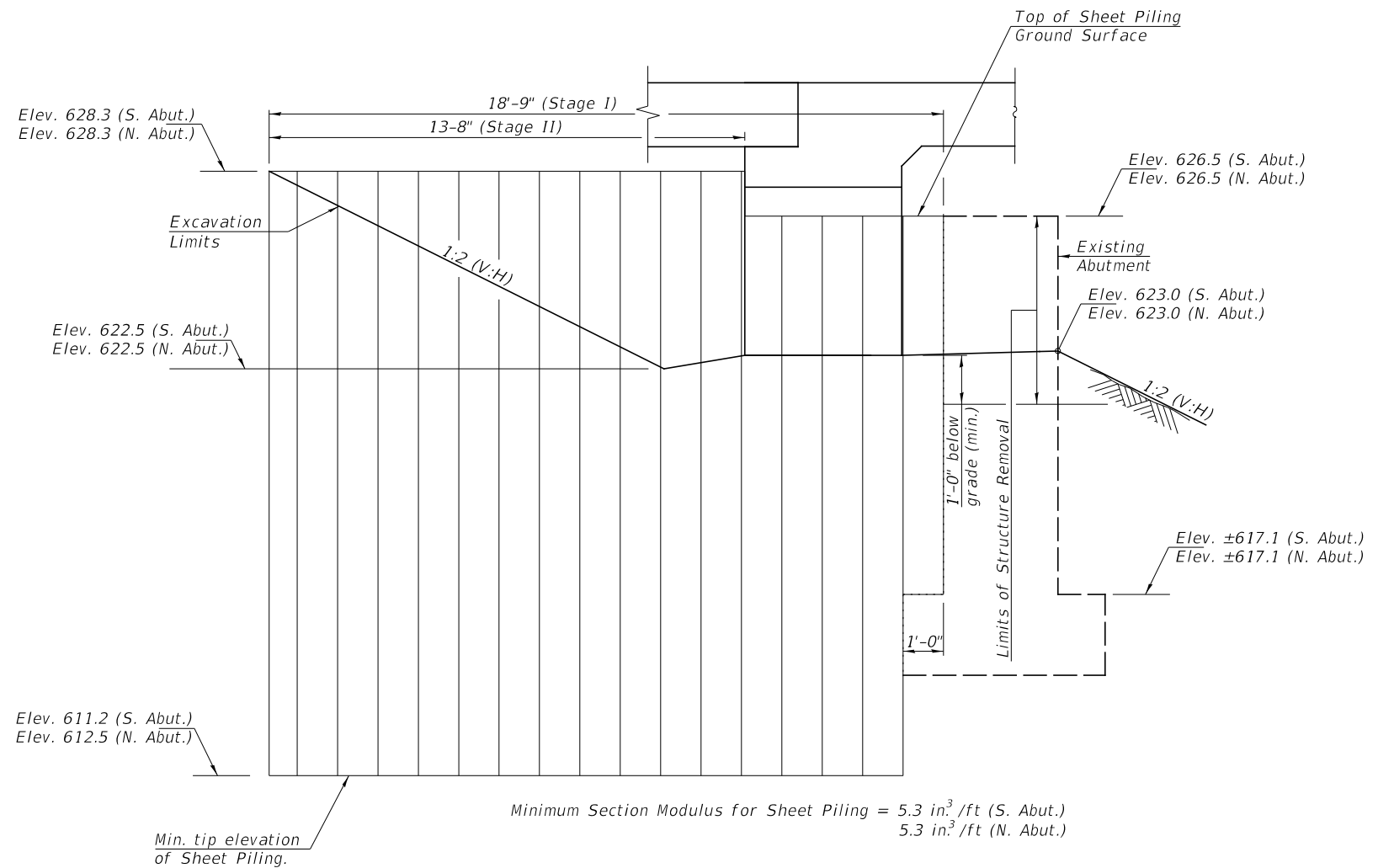


STAGE II REMOVAL
(Looking North)



STAGE II CONSTRUCTION
(Looking North)

Notes: Hatched area indicates Removal of Existing Superstructures.
For quantity of Temporary Concrete Barriers, see Roadway Plans.
Removal of existing bridge railing is included with Removal of Existing Structures.
For details of Temporary Concrete Barrier, see Sheet 4 of 21.



TEMPORARY SHEET PILING AT ABUTMENTS

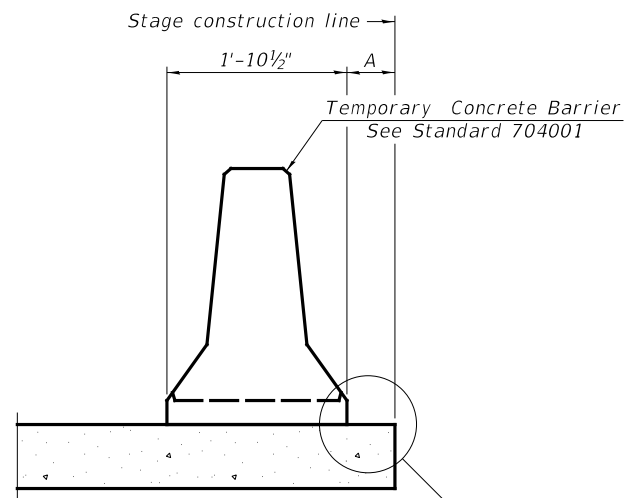
If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
The Contractor shall connect the first sheet to the existing abutment 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.

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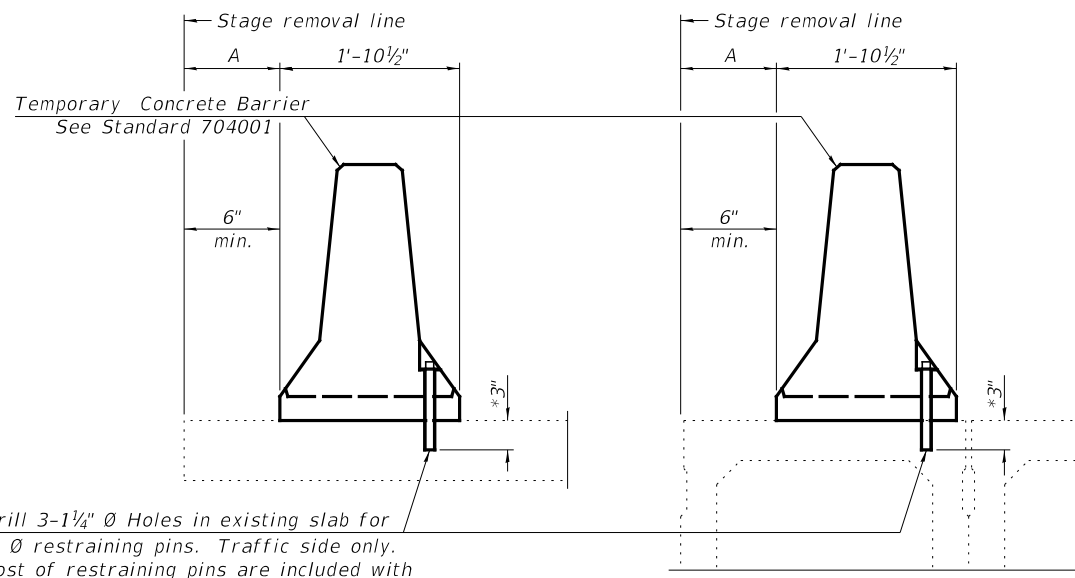
STAGE CONSTRUCTION DETAILS	
STRUCTURE NO. 038-0226	
SCALE:	SHEET 3 OF 21 SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 34
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



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

NEW SLAB OR NEW DECK BEAM

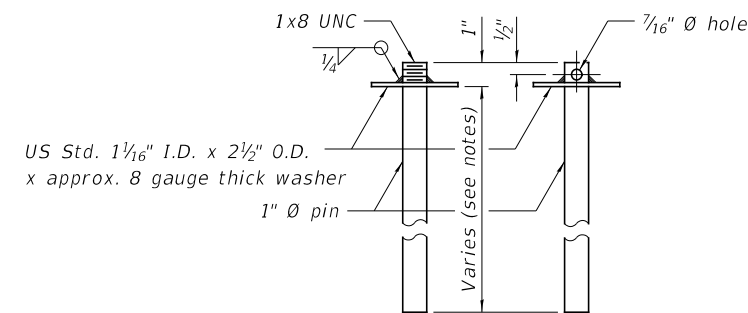


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

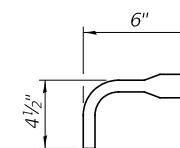
EXISTING SLAB

EXISTING DECK BEAM

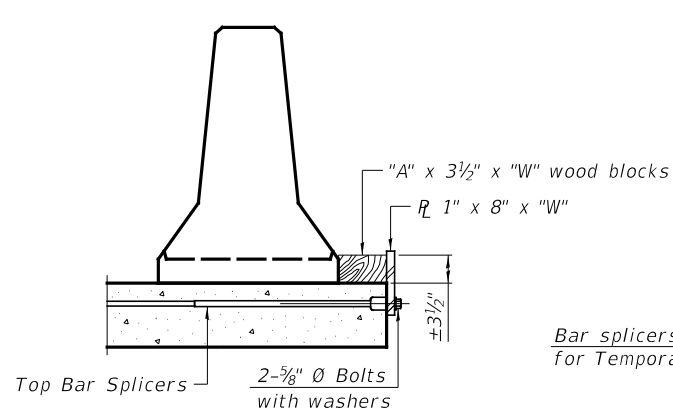
SECTIONS THRU SLAB OR DECK BEAM



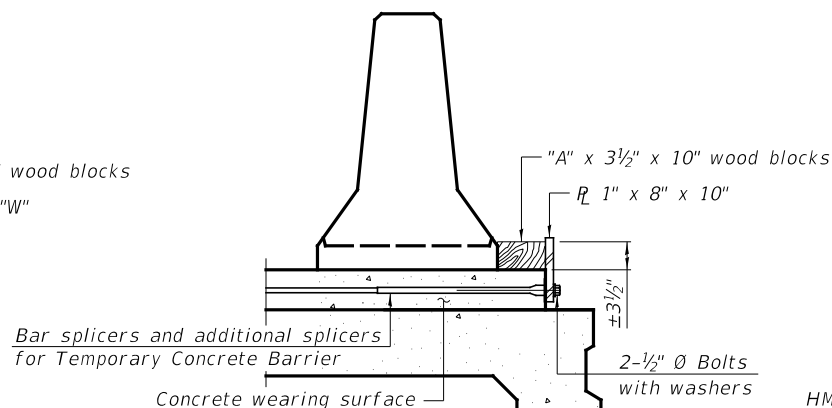
RESTRAINING PIN



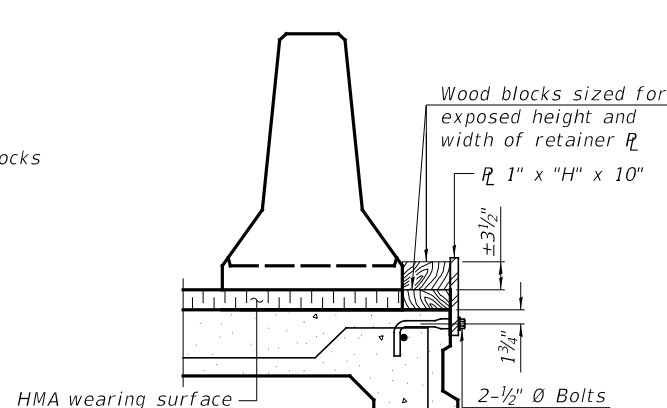
BAR SPLICER FOR #4 BAR - DETAIL III



DETAIL I



DETAIL II

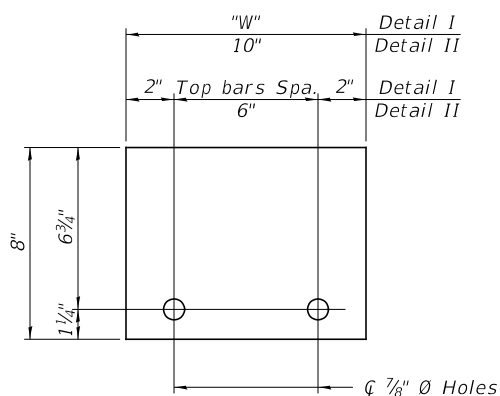


DETAIL III

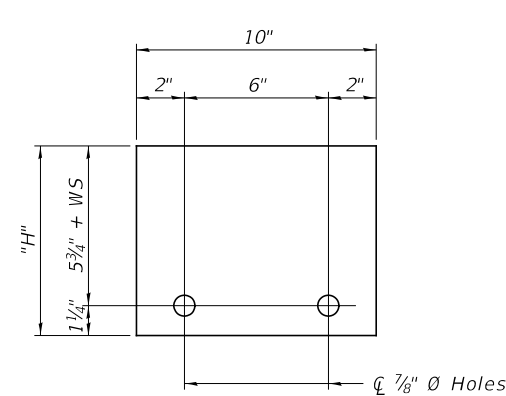
Notes:

- Cost of retainer assembly is included with Temporary Concrete Barrier.
- A retainer assembly shall be located at the approximate $\frac{1}{2}$ 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.



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



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

R-27

2-17-2017

MODEL: Definit FILE NAME: 20170301_11_1 over File: Cretek\CADD\CADD Sheets\0303026-66959-004-TEMP CONIC BARRIER.dgn

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Since 1945

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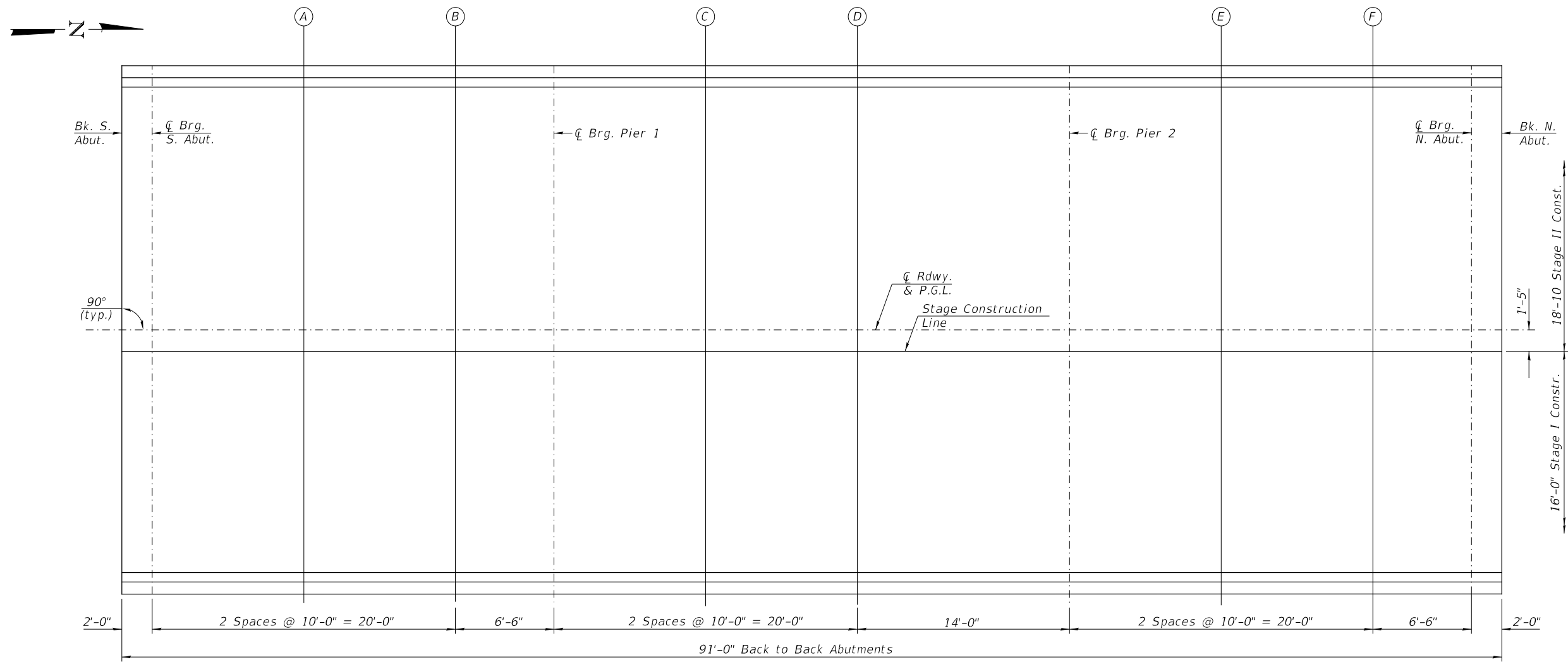
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 038-0226

SCALE: SHEET 4 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	35
CONTRACT NO. 66959				

ILLINOIS FED. AID PROJECT



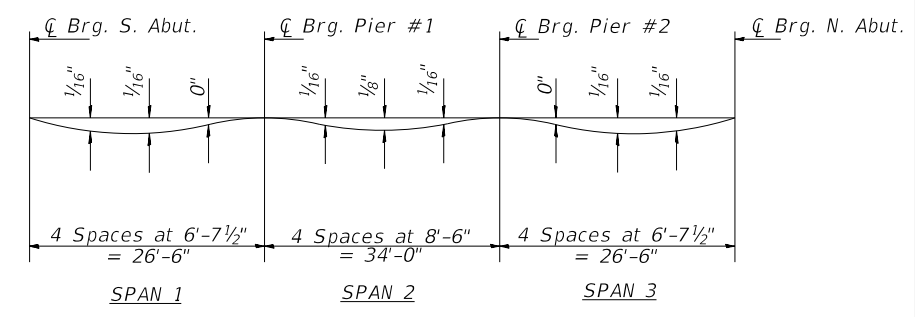
PLAN

ROADWAY AND PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	272+76.50	0.00	628.27
CL Brg. S. Abut.	272+78.50	0.00	628.27
A	272+88.50	0.00	628.30
B	272+98.50	0.00	628.32
CL Brg. Pier 1	273+05.00	0.00	628.33
C	273+15.00	0.00	628.34
D	273+25.00	0.00	628.34
CL Brg. Pier 2	273+39.00	0.00	628.33
E	273+49.00	0.00	628.32
F	273+59.00	0.00	628.30
CL Brg. N. Abut.	273+65.50	0.00	628.29
Bk. N. Abut.	273+67.50	0.00	628.28

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	272+76.50	1.42	628.25
CL Brg. S. Abut.	272+78.50	1.42	628.25
A	272+88.50	1.42	628.28
B	272+98.50	1.42	628.30
CL Brg. Pier 1	273+05.00	1.42	628.31
C	273+15.00	1.42	628.31
D	273+25.00	1.42	628.32
CL Brg. Pier 2	273+39.00	1.42	628.31
E	273+49.00	1.42	628.30
F	273+59.00	1.42	628.28
CL Brg. N. Abut.	273+65.50	1.42	628.27
Bk. N. Abut.	273+67.50	1.42	628.26



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete slab)

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 DATE: 8/20/2020

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Apr.	272+47.50	-16.00	627.92
A	272+57.50	-16.00	627.96
B	272+67.50	-16.00	628.00
N. End of S. Apr.	272+77.50	-16.00	628.03

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Apr.	272+47.50	-12.00	627.98
A	272+57.50	-12.00	628.02
B	272+67.50	-12.00	628.06
N. End of S. Apr.	272+77.50	-12.00	628.09

∅ ROADWAY AND PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Apr.	272+47.50	0.00	628.16
A	272+57.50	0.00	628.20
B	272+67.50	0.00	628.24
N. End of S. Apr.	272+77.50	0.00	628.27

STAGE CONSTRUCTION LINE

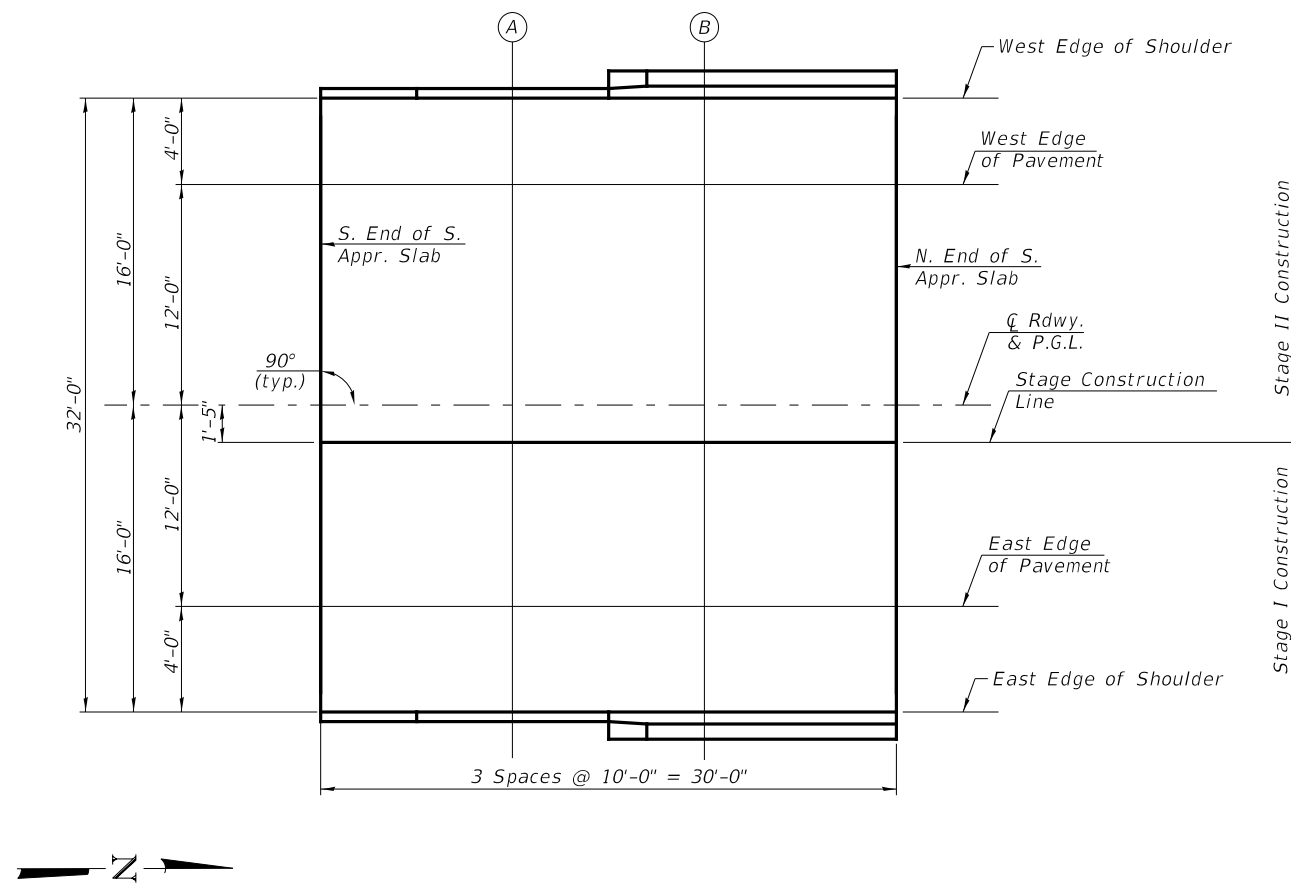
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A	272+57.50	1.42	628.18
B	272+67.50	1.42	628.22
N. End of S. Apr.	272+77.50	1.42	628.25

EAST EDGE OF PAVEMENT

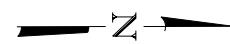
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A	272+57.50	12.00	628.02
B	272+67.50	12.00	628.06
N. End of S. Apr.	272+77.50	12.00	628.09

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Apr.	272+47.50	16.00	627.92
A	272+57.50	16.00	627.96
B	272+67.50	16.00	628.00
N. End of S. Apr.	272+77.50	16.00	628.03



SOUTH APPROACH PLAN



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PLOT DATE = 8/13/2020	DATE -	REVISED -

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	273+66.50	-16.00	628.05
A	273+76.50	-16.00	628.02
B	273+86.50	-16.00	627.99
N. End of N. Appr.	273+96.50	-16.00	627.95

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	273+66.50	-12.00	628.11
A	273+76.50	-12.00	628.08
B	273+86.50	-12.00	628.05
N. End of N. Appr.	273+96.50	-12.00	628.01

CL ROADWAY AND PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	273+66.50	0.00	628.29
A	273+76.50	0.00	628.26
B	273+86.50	0.00	628.23
N. End of N. Appr.	273+96.50	0.00	628.19

STAGE CONSTRUCTION LINE

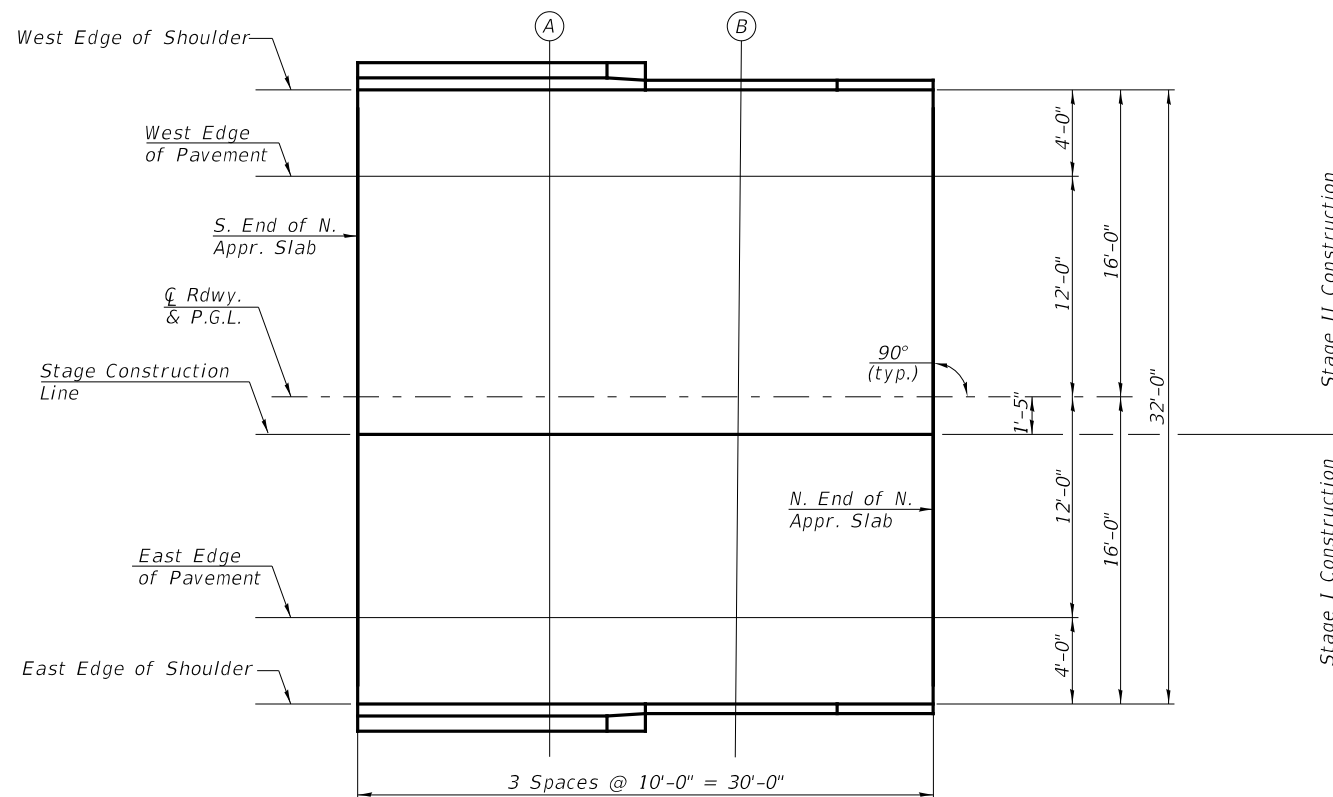
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A	273+76.50	1.42	628.24
B	273+86.50	1.42	628.20
N. End of N. Appr.	273+96.50	1.42	628.16

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	273+66.50	12.00	628.11
A	273+76.50	12.00	628.08
B	273+86.50	12.00	628.05
N. End of N. Appr.	273+96.50	12.00	628.01

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	273+66.50	16.00	628.05
A	273+76.50	16.00	628.02
B	273+86.50	16.00	627.99
N. End of N. Appr.	273+96.50	16.00	627.95

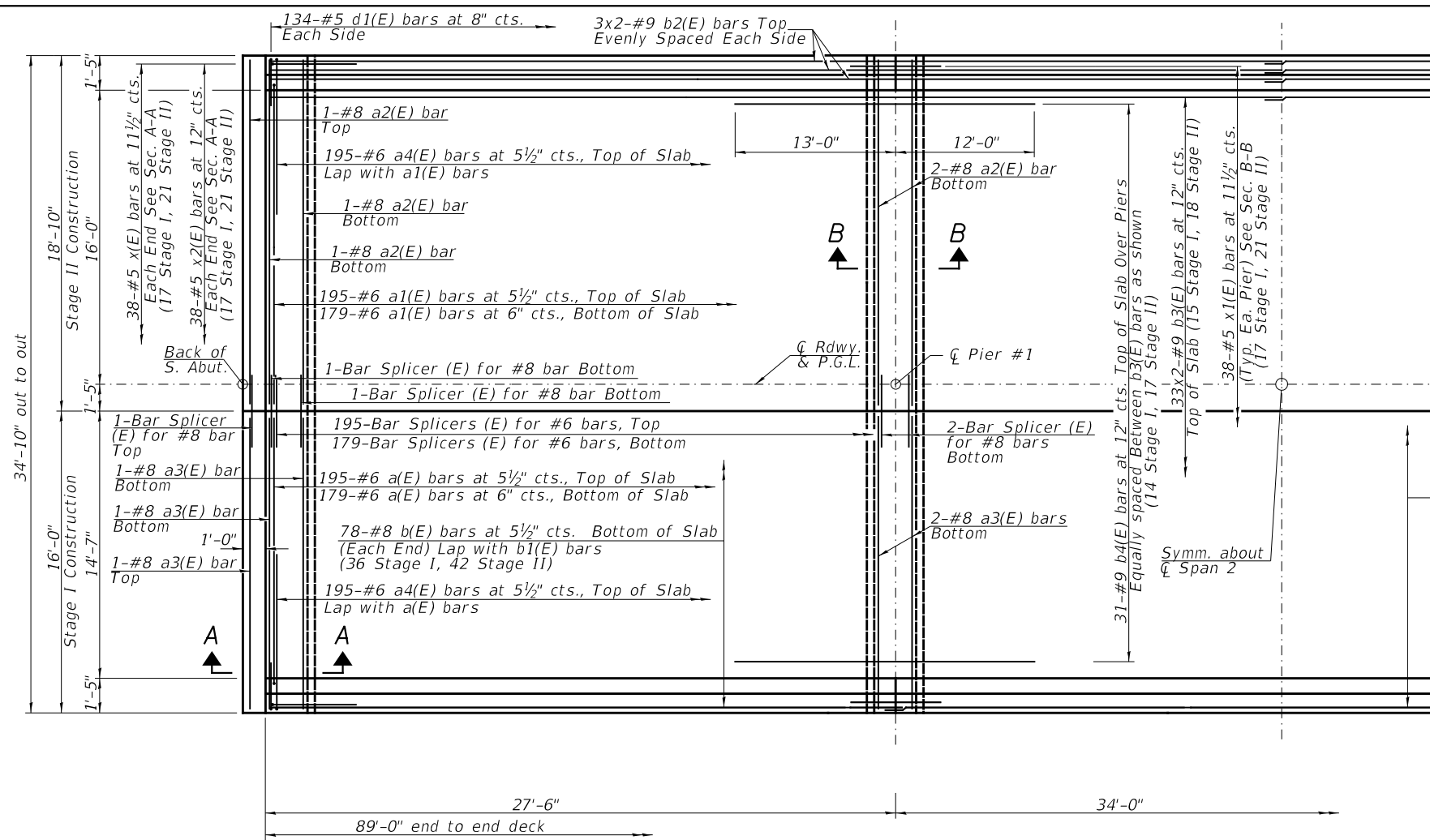


NORTH APPROACH PLAN

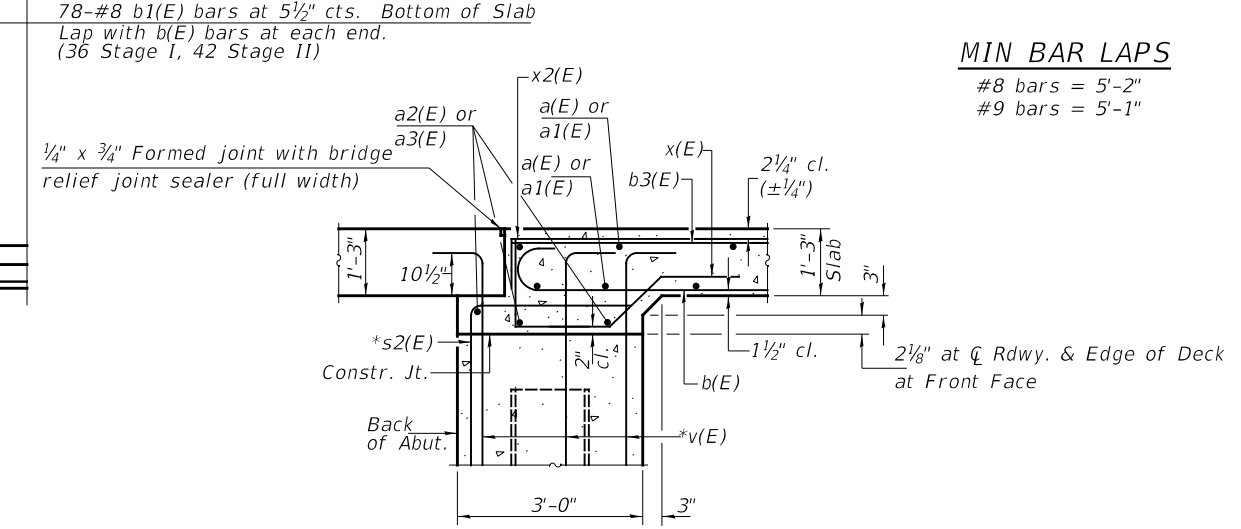
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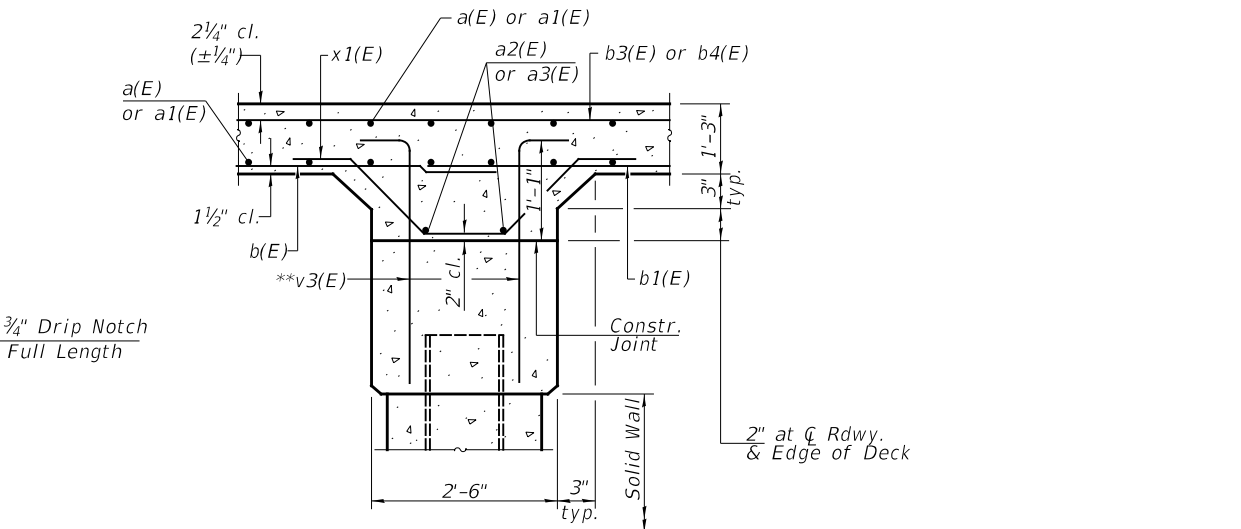
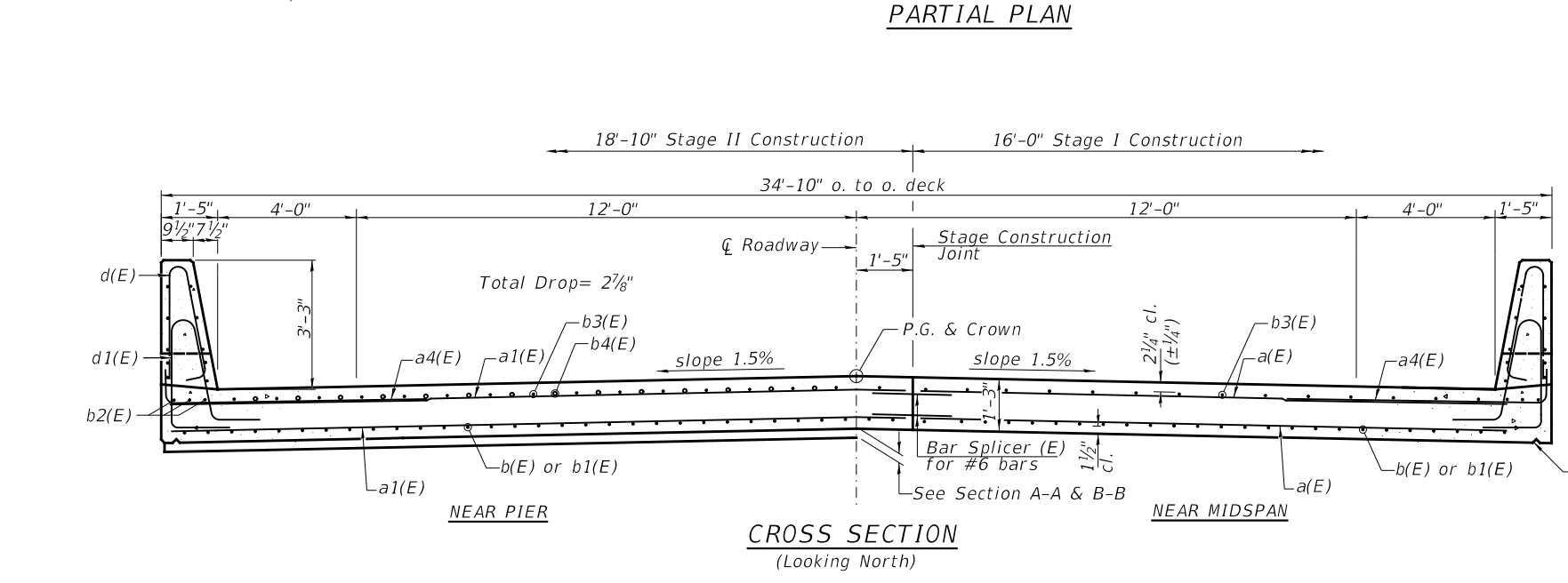
F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 38
			CONTRACT NO. 66959	
ILLINOIS FED. AID PROJECT				



Notes:
 Bars indicated thus 25x2 indicates 25 lines of bars with 2 lengths per line.
 See Sht. 9 of 21 for parapet details.
 See Sht. 18 of 21 for Bar Splicer Details.



SECTION A-A
 *(v(E) and s2(E) bars billed with abutments See sheets 12 & 13 of 21.



SECTION B-B
 **v3(E) bars billed with piers See sheets 14 & 15 of 21.

MIN BAR LAPS
 #8 bars = 5'-2"
 #9 bars = 5'-1"

MODEL: 140901.NM1F5
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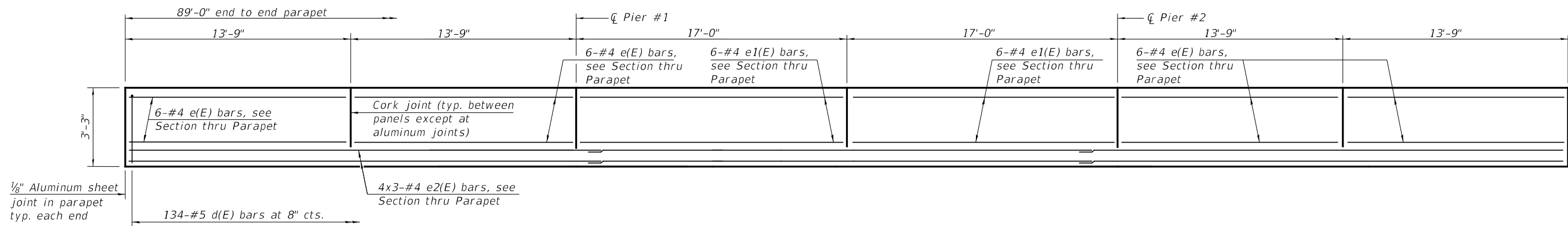
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
 STRUCTURE NO. 038-0226**

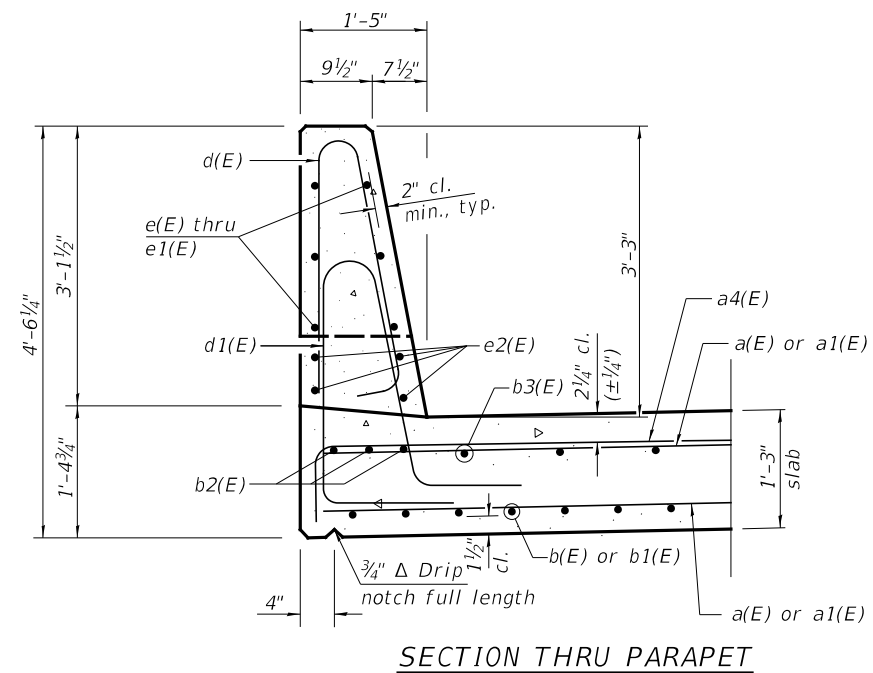
SCALE: SHEET 8 OF 21 SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 39
CONTRACT NO. 66959			ILLINOIS FED. AID PROJECT	

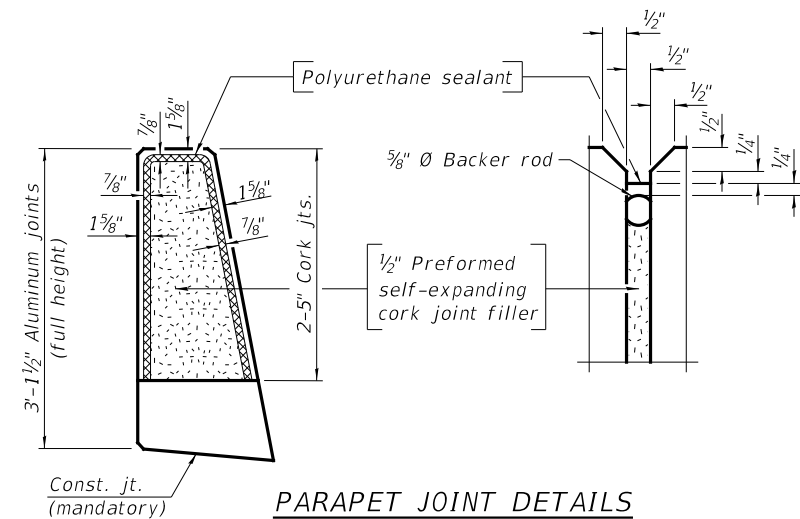


Notes:
 The 1/8" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET

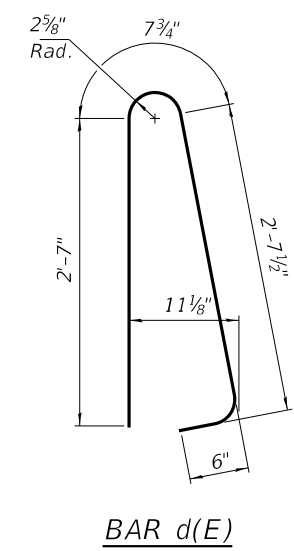
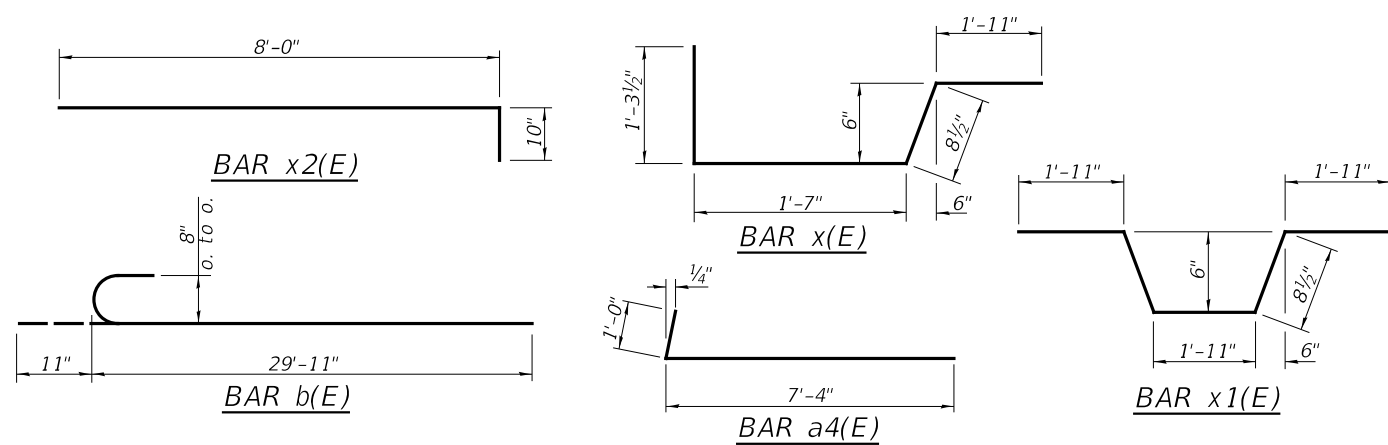


PARAPET JOINT DETAILS

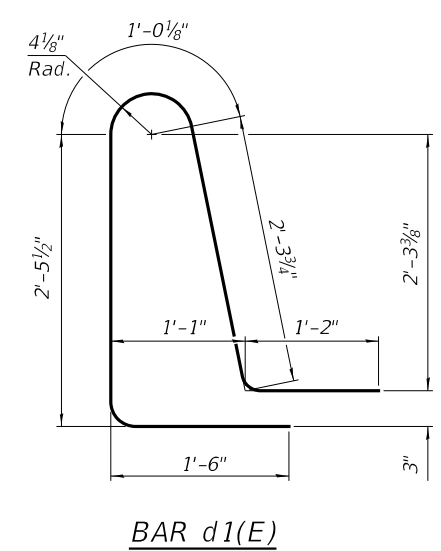
MIN BAR LAPS
 #4 bars = 2'-5"

SUPERSTRUCTURE BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	374	#6	15'-8"	—
a1(E)	374	#6	18'-6"	—
a2(E)	10	#8	18'-6"	—
a3(E)	10	#8	15'-8"	—
a4(E)	390	#6	8'-4"	L
b(E)	156	#8	30'-10"	—
b1(E)	78	#8	39'-2"	—
b2(E)	12	#9	46'-11"	—
b3(E)	66	#9	46'-11"	—
b4(E)	62	#9	25'-0"	—
d(E)	268	#5	6'-5"	—
d1(E)	268	#5	8'-6"	—
e(E)	48	#4	13'-5"	—
e1(E)	24	#4	16'-8"	—
e2(E)	24	#4	31'-2"	—
x(E)	76	#5	5'-6"	—
x1(E)	76	#5	7'-2"	—
x2(E)	76	#5	8'-10"	—
Concrete Superstructure			CU YD	173.3
Reinforcement Bars, Epoxy Coated			POUND	70,770



BAR d(E)



BAR d1(E)

MODEL: D:\d\h\11_1_cover\pikr_creek\CADD\CADD_Sheets\03802666959-09-SUPERSTRUCTURE_DETAILS.dgn

Hutchison Engineering, Inc.
 Jacksonville-Moline-Peoria-Shorewood
 Since 1945

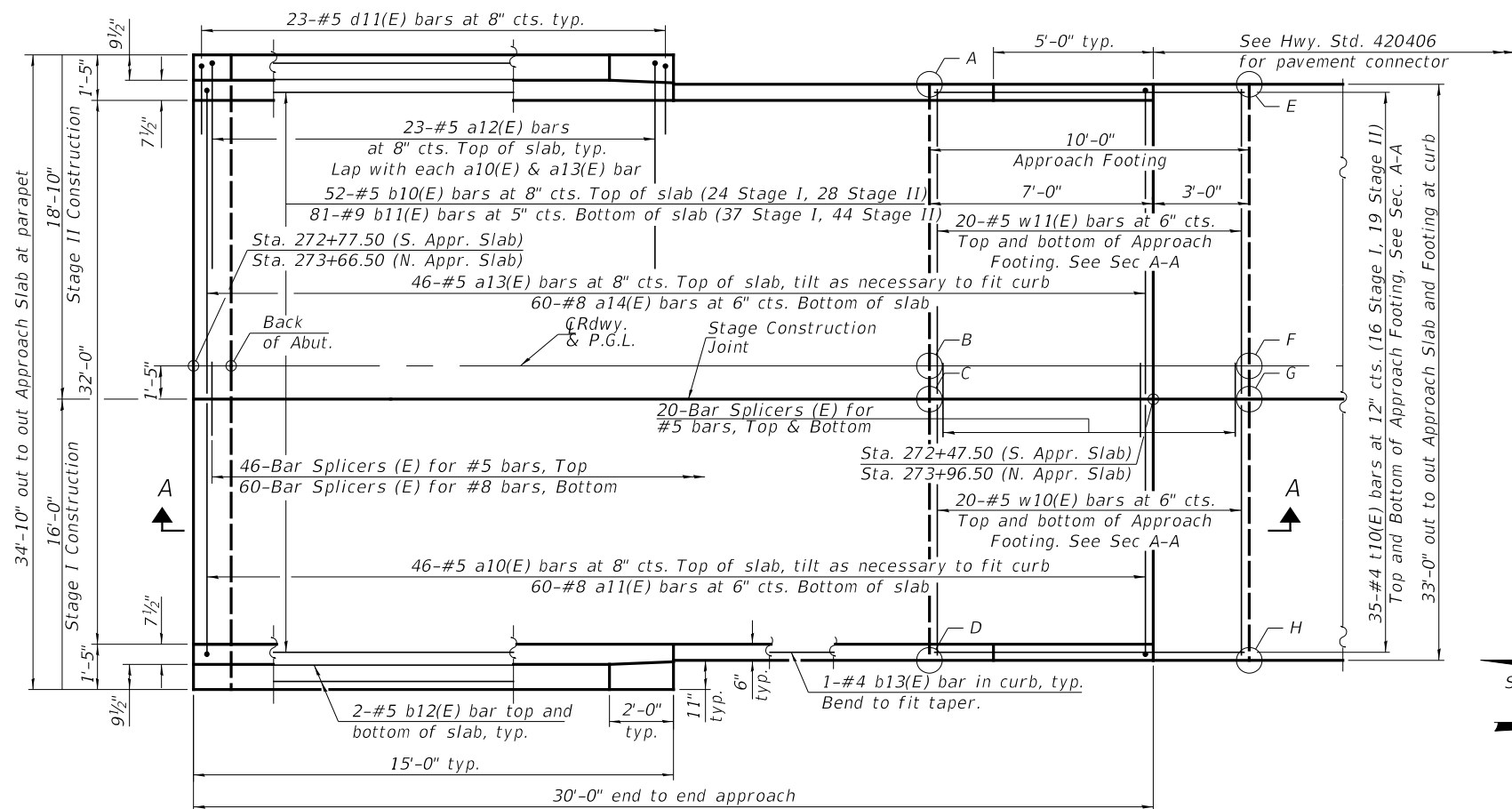
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PLOT SCALE = 2.0000' / in.	DRAWN CTM	REVISED -
PLOT DATE = 8/13/2020	CHECKED ZL/BAN	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 038-0226**

SCALE: SHEET 9 OF 21 SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 40
			CONTRACT NO. 66959	
ILLINOIS FED. AID PROJECT				



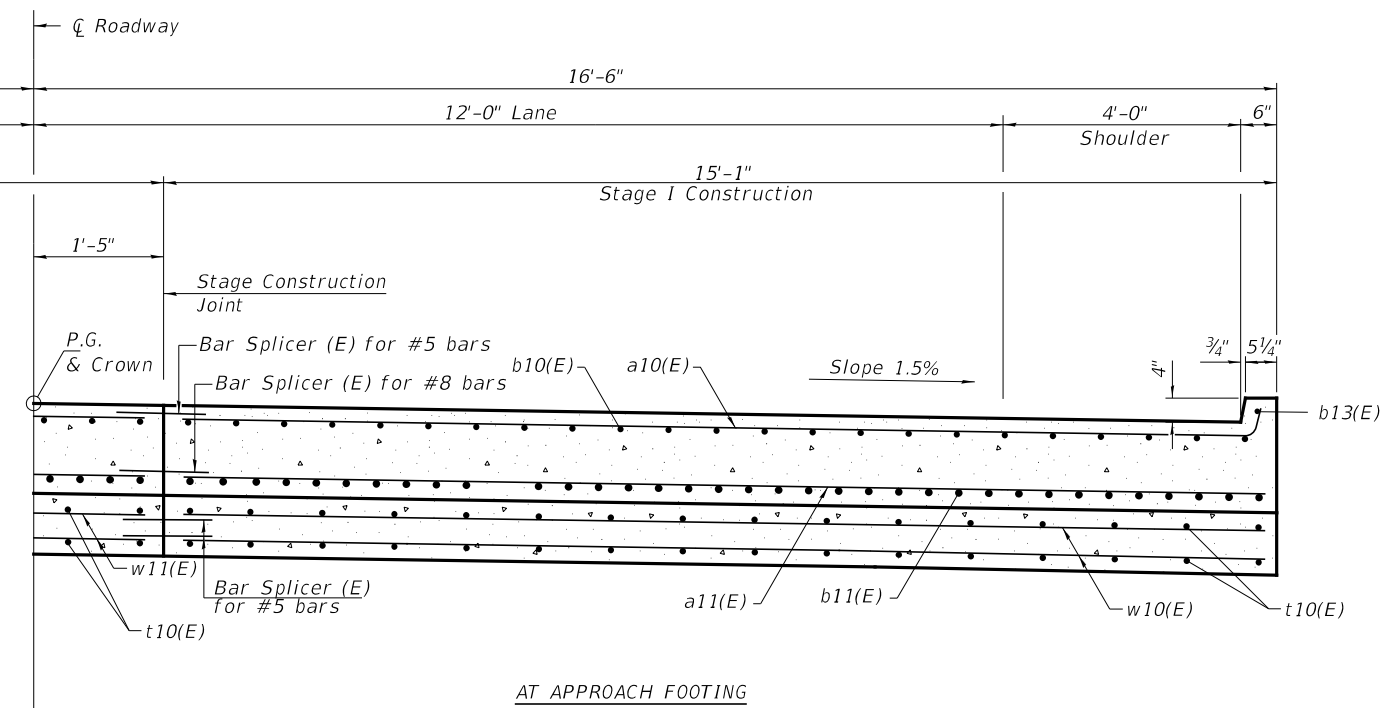
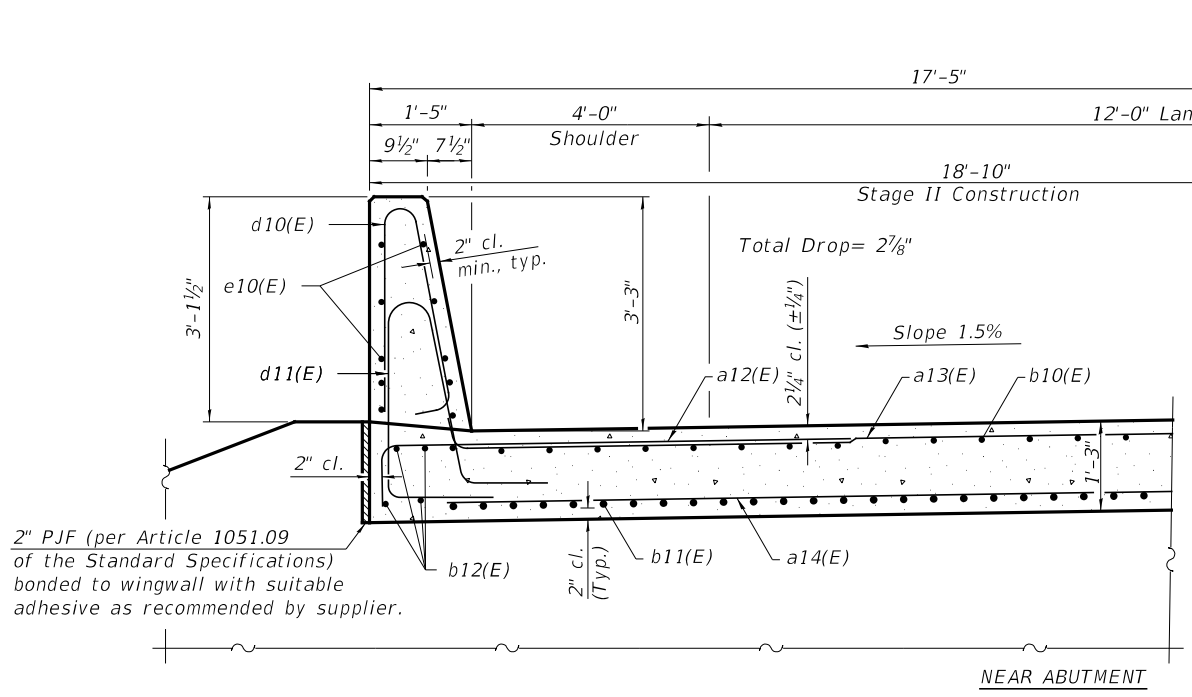
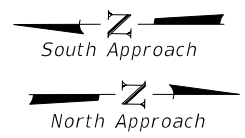
PLAN
(North Approach Slab shown, South Approach Slab mirrored)

Notes:
See Sht. 18 of 21 for Bar Splicer Details.

**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

POINT	SOUTH APPROACH		NORTH APPROACH	
	TOP	BOTTOM	TOP	BOTTOM
A	626.70	625.86	626.72	625.88
B	626.94	626.10	626.96	626.13
C	626.91	626.07	626.94	626.10
D	626.70	625.86	626.72	625.88
E	626.65	625.81	626.68	625.84
F	626.89	626.05	626.92	626.09
G	626.87	626.03	626.90	626.06
H	626.65	625.81	626.68	625.84

(A-H locations are mirrored for the South Approach Slab)



CROSS SECTION
(Looking North)

(Sheet 1 of 2)

MODEL: Default; FILE NAME: 240308.01_IL_1_cover_Pkg_CreekCADD\CADD_Sheets\030826\66959A\04BRIDGE_APPROACH_SLAB_DETAILS_1.dgn

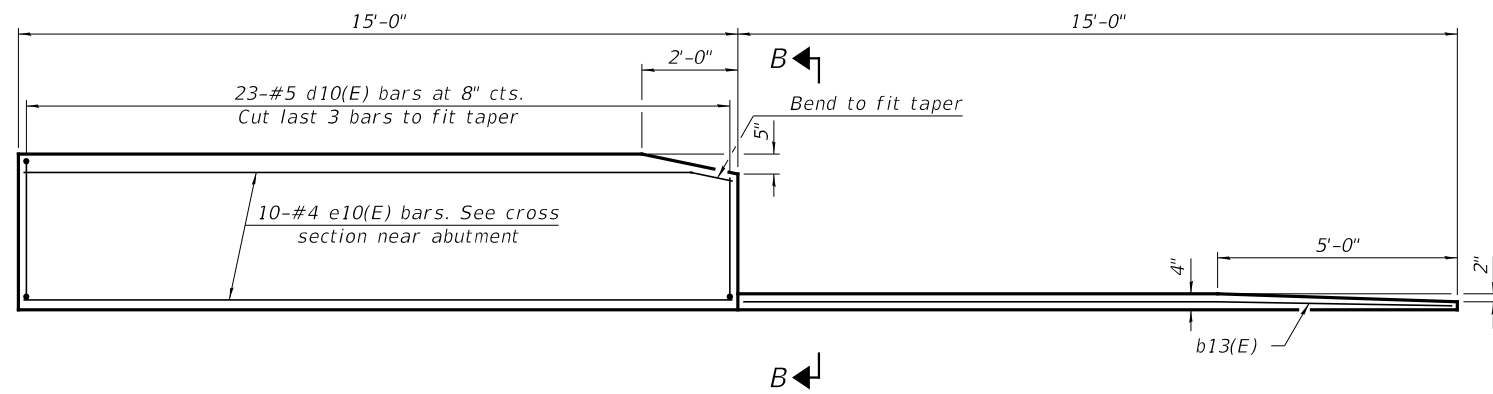
Hutchison Engineering, Inc.
Jacksonville-Moline-Peoria-Shorewood
Since 1945

USER NAME = LZeller	DESIGNED CTM	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN CTM	REVISED -
PLOT DATE = 8/13/2020	CHECKED ZL/BAN	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

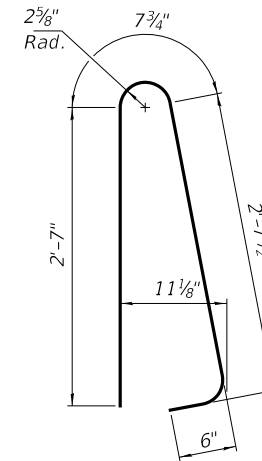
BRIDGE APPROACH SLAB DETAILS	
STRUCTURE NO. 038-0226	
SCALE:	SHEET 10 OF 21 SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 41
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

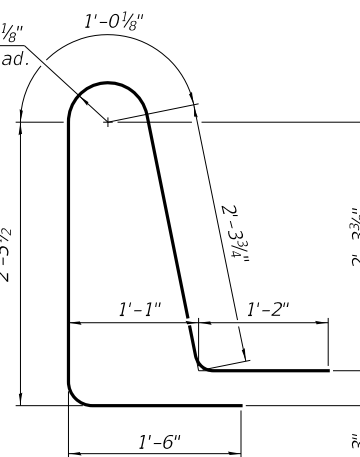


INSIDE ELEVATION OF PARAPET AND CURB

Notes:
 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.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 21.



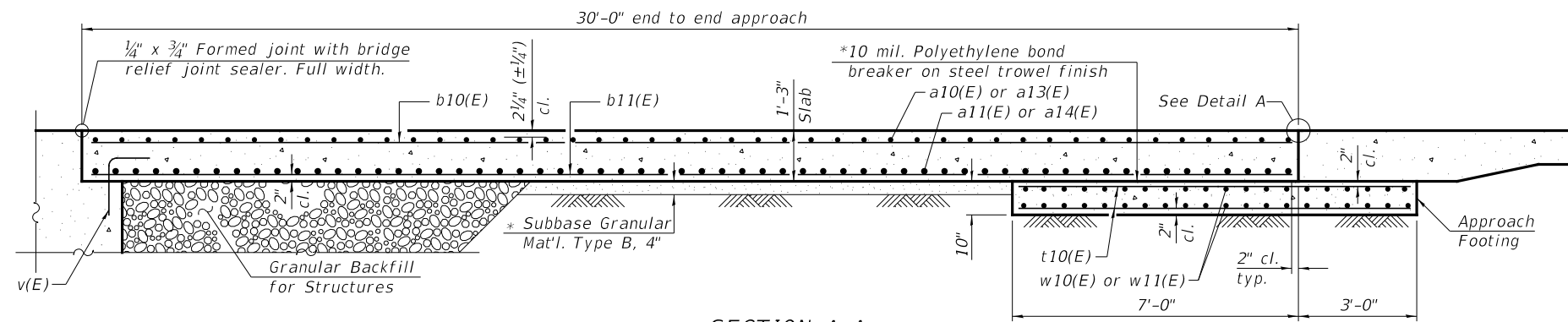
BAR d10(E)



BAR d11(E)

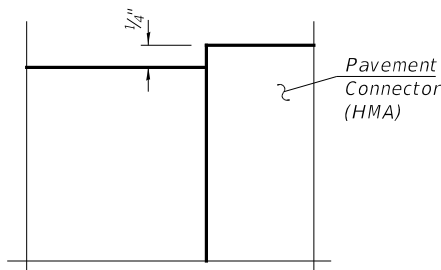
TWO APPROACHES
 BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a10(E)	92	#5	15'-2"	[Profile]
a11(E)	120	#8	14'-9"	[Profile]
a12(E)	92	#5	7'-4"	[Profile]
a13(E)	92	#5	18'-0"	[Profile]
a14(E)	120	#8	17'-7"	[Profile]
b10(E)	104	#5	29'-8"	[Profile]
b11(E)	162	#9	29'-8"	[Profile]
b12(E)	16	#5	14'-8"	[Profile]
b13(E)	4	#4	14'-8"	[Profile]
d10(E)	92	#5	6'-5"	[Profile]
d11(E)	92	#5	8'-6"	[Profile]
e10(E)	40	#4	14'-8"	[Profile]
t10(E)	140	#4	9'-8"	[Profile]
w10(E)	80	#5	14'-9"	[Profile]
w11(E)	80	#5	17'-7"	[Profile]
Concrete Superstructure			Cu. Yd.	7.8
Concrete Superstructure (Approach Slab)			Cu. Yd.	94.8
Concrete Structures			Cu. Yd.	20.4
Reinforcement Bars, Epoxy Coated			Pound	39,510

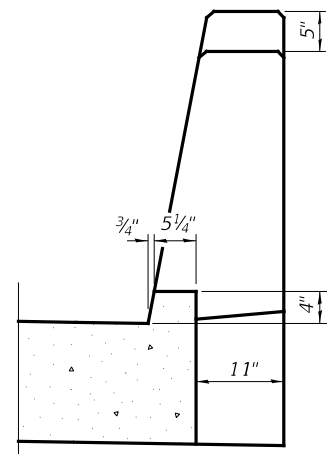


SECTION A-A

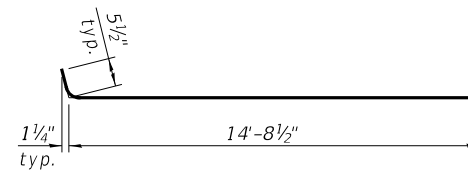
*Cost included with Concrete Superstructure (Approach Slab).



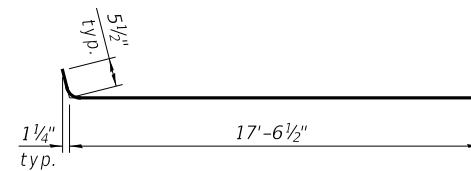
DETAIL A



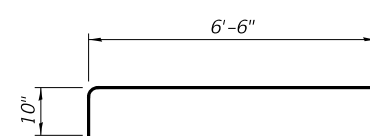
VIEW B-B



BAR a10(E)



BAR a13(E)



BAR a12(E)

(Sheet 2 of 2)

MODEL: Default
 FILE NAME: \\s3883.01.il_1.cover\pks_creek\CADD\CADD_Sheets\03802666959\011-BRIDGE_APPROACH_SLAB_DETAILS_2.dgn

Hutchison Engineering, Inc.
 Jacksonville-Moline-Peoria-Shorewood
 Since 1945

USER NAME = lzeller	DESIGNED CTM	REVISED -
	DRAWN CTM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED ZL/BAN	REVISED -
PLOT DATE = 8/13/2020	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

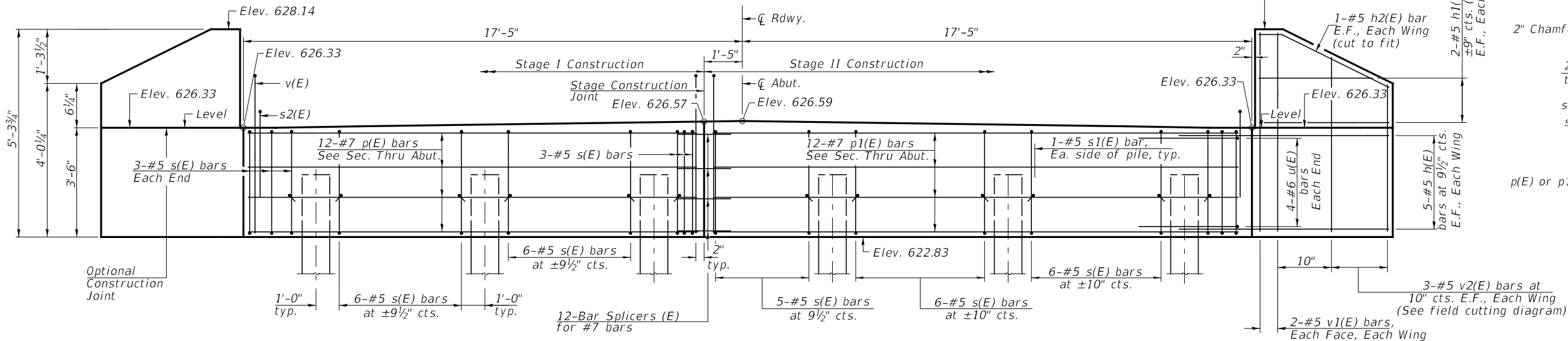
BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 038-0226

SCALE: SHEET 11 OF 21 SHEETS STA. TO STA.

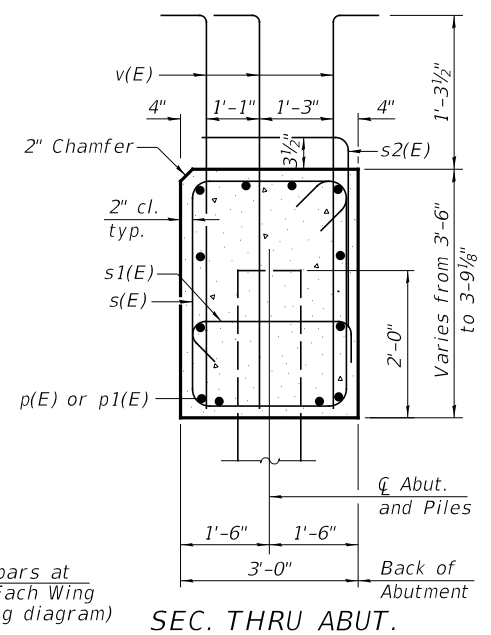
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	42
			CONTRACT NO. 66959	
ILLINOIS FED. AID PROJECT				

NOTES

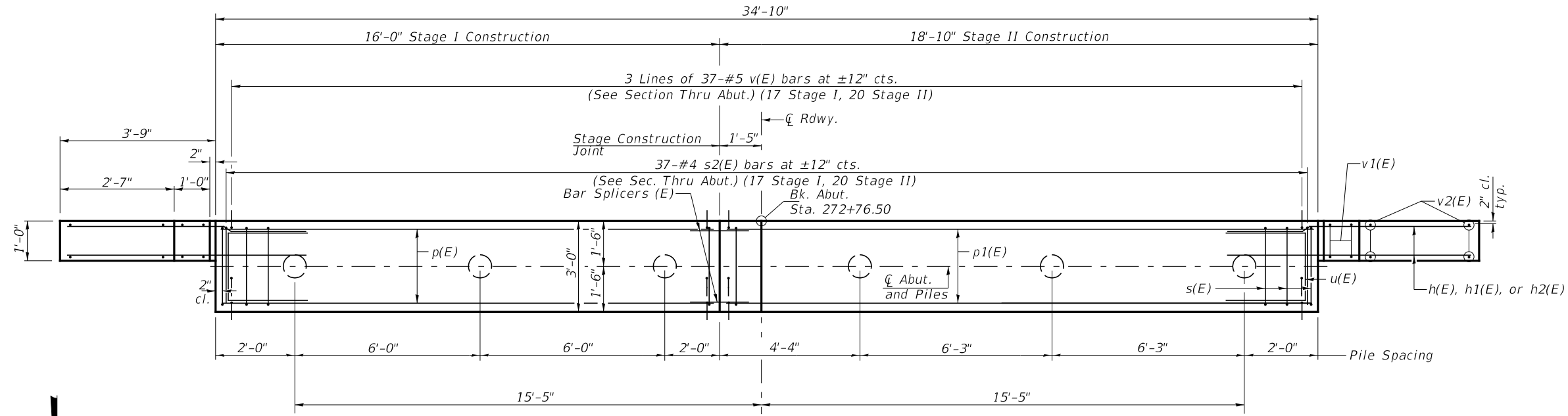
All edges shall have standard 3/4" chamfer.
 See Sheet 16 of 21 for Pile Details.
 See Sheet 18 of 21 for Bar Splicer Details.
 E.F.: Each Face



ELEVATION



SEC. THRU ABUT.



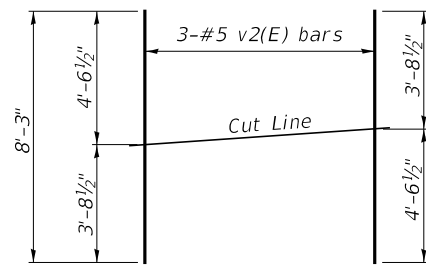
PLAN

**SOUTH ABUTMENT
BILL OF MATERIAL**

BAR NO.	SIZE	LENGTH	SHAPE
h(E)	20 #5	6'-6"	—
h1(E)	8 #5	3'-3"	—
h2(E)	4 #5	3'-7"	—
p(E)	12 #7	15'-8"	—
p1(E)	12 #7	18'-6"	—
s(E)	38 #5	12'-7"	□
s1(E)	12 #5	3'-8"	□
s2(E)	37 #4	6'-4"	□
u(E)	8 #6	11'-2"	□
v(E)	111 #5	5'-6"	—
v1(E)	8 #5	4'-11"	—
v2(E)	6 #5	8'-3"	—
Structure Excavation		CU. YD.	55
Concrete Structures		CU. YD.	14.9
Reinforcement Bars, Epoxy Coated		POUND	2,580
Furnishing Metal Shell Piles 14"x0.312"		FOOT	150
Driving Piles		FOOT	150
Test Pile Metal Shell		EACH	1

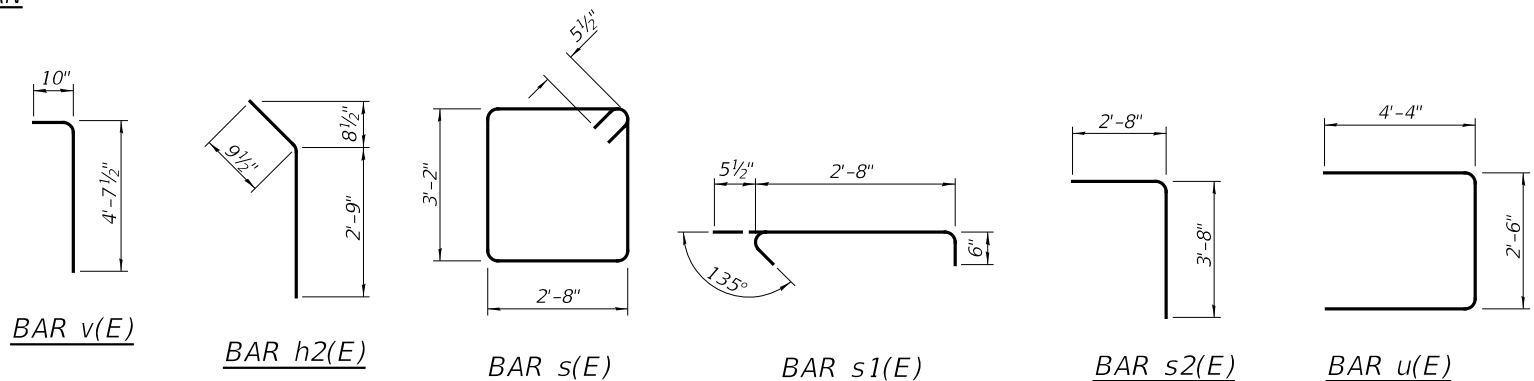
PILE DATA

Type & Size: Metal Shell 14"x0.312" walls
 Nominal Required Bearing: 216 kips
 Factored Resistance Available: 119 kips
 Est. Length: 30'
 No. Req'd.: 6 (Includes 1 Test Pile)



FIELD CUTTING DIAGRAM

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



BAR v(E) BAR h2(E) BAR s(E) BAR s1(E) BAR s2(E) BAR u(E)

MODEL: Default; FILE NAME: \\s3883.01_11_1_cover\pfile_creek\CADD\CADD_Sheets\0380276-66959-012-SOUTH_ABUTMENT.dgn

Hutchison Engineering, Inc.
 Jacksonville-Moline-Peoria-Shorewood
 Since 1945

USER NAME = lzeller	DESIGNED CTM	REVISED -
DRAWN CTM	CHECKED ZL/BAN	REVISED -
PLOT SCALE = 2.0000' / in.	DATE -	REVISED -
PLOT DATE = 8/13/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

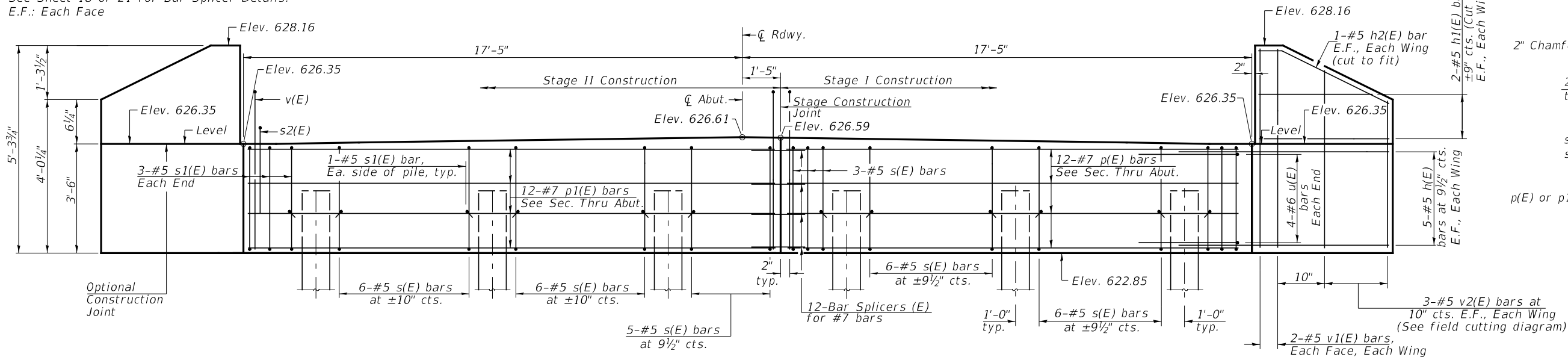
**SOUTH ABUTMENT
STRUCTURE NO. 038-0226**

SCALE: SHEET 12 OF 21 SHEETS STA. TO STA.

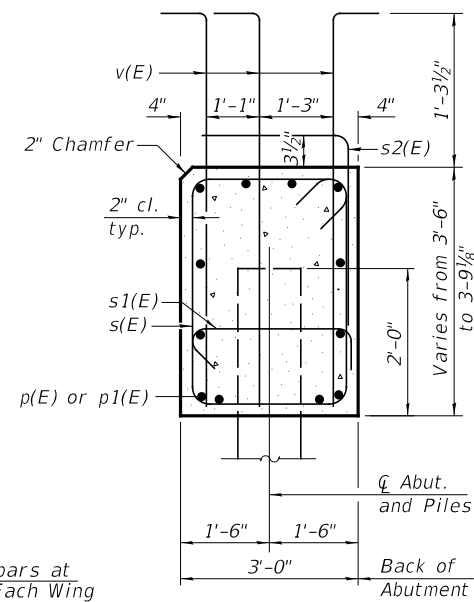
F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 43
			CONTRACT NO. 66959	
ILLINOIS FED. AID PROJECT				

NOTES

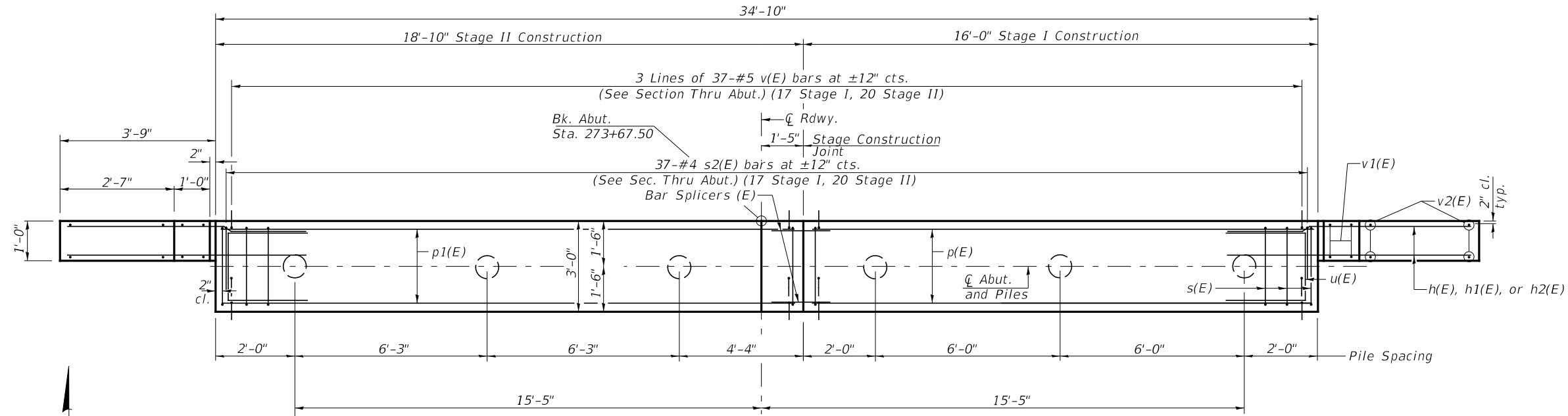
All edges shall have standard 3/4" chamfer.
 See Sheet 16 of 21 for Pile Details.
 See Sheet 18 of 21 for Bar Splicer Details.
 E.F.: Each Face



ELEVATION

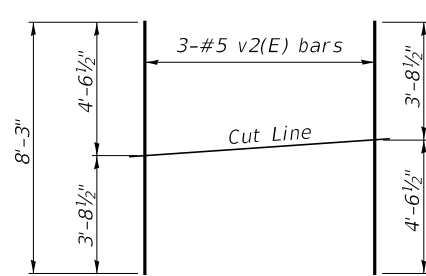


SEC. THRU ABUT.

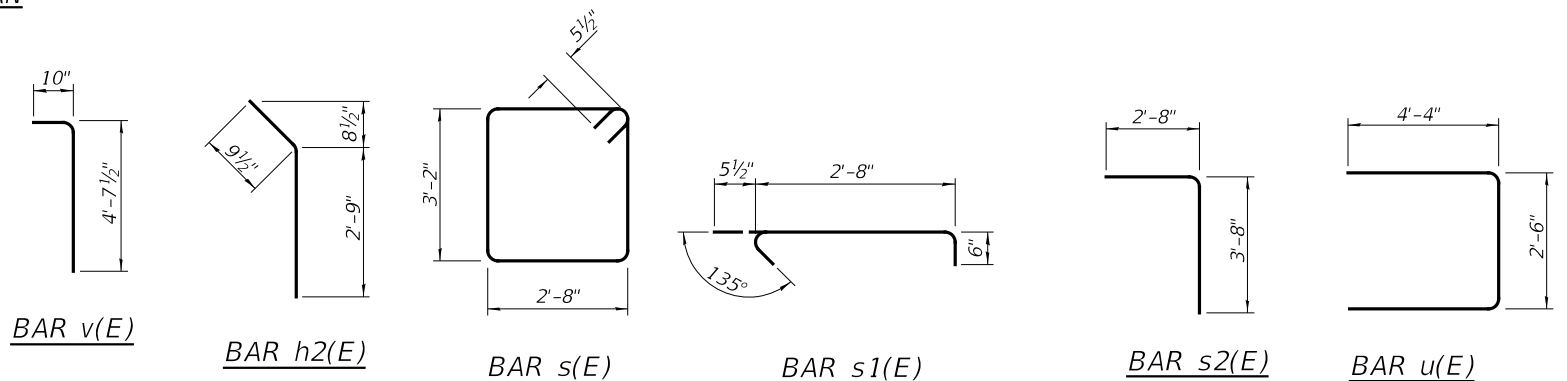


PLAN

PILE DATA
 Type & Size: Metal Shell 14"x0.312" walls
 Nominal Required Bearing: 202 kips
 Factored Resistance Available: 111 kips
 Est. Length: 33'
 No. Req'd.: 6 (Includes 1 Test Pile)



FIELD CUTTING DIAGRAM
 Order v2(E) full length. Cut as shown and use remainder of bars in opposite wing.



**NORTH ABUTMENT
 BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	20	#5	6'-6"	—
h1(E)	8	#5	3'-3"	—
h2(E)	4	#5	3'-7"	—
p(E)	12	#7	15'-8"	—
p1(E)	12	#7	18'-6"	—
s(E)	38	#5	12'-7"	□
s1(E)	12	#5	3'-8"	□
s2(E)	37	#4	6'-4"	□
u(E)	8	#6	11'-2"	□
v(E)	111	#5	5'-6"	□
v1(E)	8	#5	4'-11"	□
v2(E)	6	#5	8'-3"	□
Structure Excavation			CU. YD.	55
Concrete Structures			CU. YD.	14.9
Reinforcement Bars, Epoxy Coated			POUND	2,580
Furnishing Metal Shell Piles 14"x0.312"			FOOT	165
Driving Piles			FOOT	165
Test Pile Metal Shells			EACH	1

MODEL: Default
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Hutchison Engineering, Inc.
 Jacksonville-Moline-Peoria-Shorewood
 Since 1945

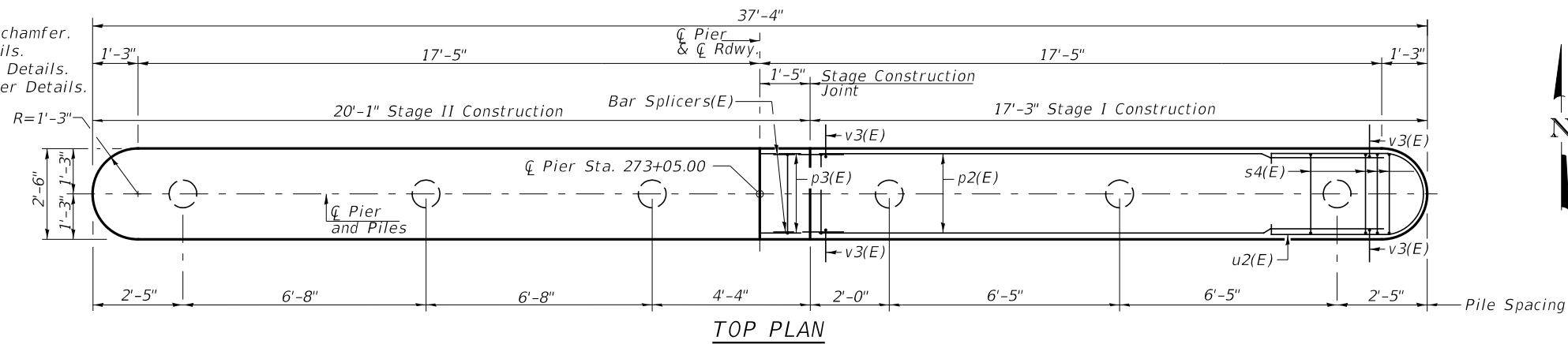
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DRAWN CTM	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED ZL/BAN	REVISED -
PLOT DATE = 8/13/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

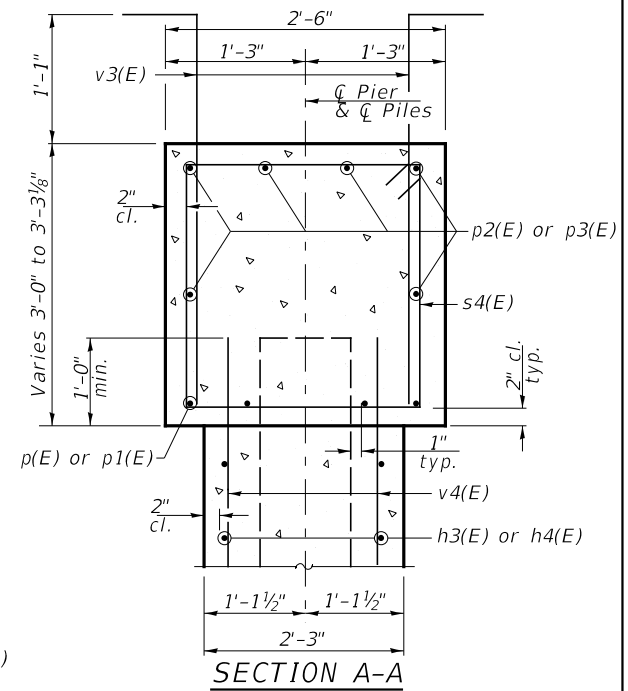
**NORTH ABUTMENT
 STRUCTURE NO. 038-0226**
 SCALE: SHEET 13 OF 21 SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 44
CONTRACT NO. 66959			ILLINOIS FED. AID PROJECT	

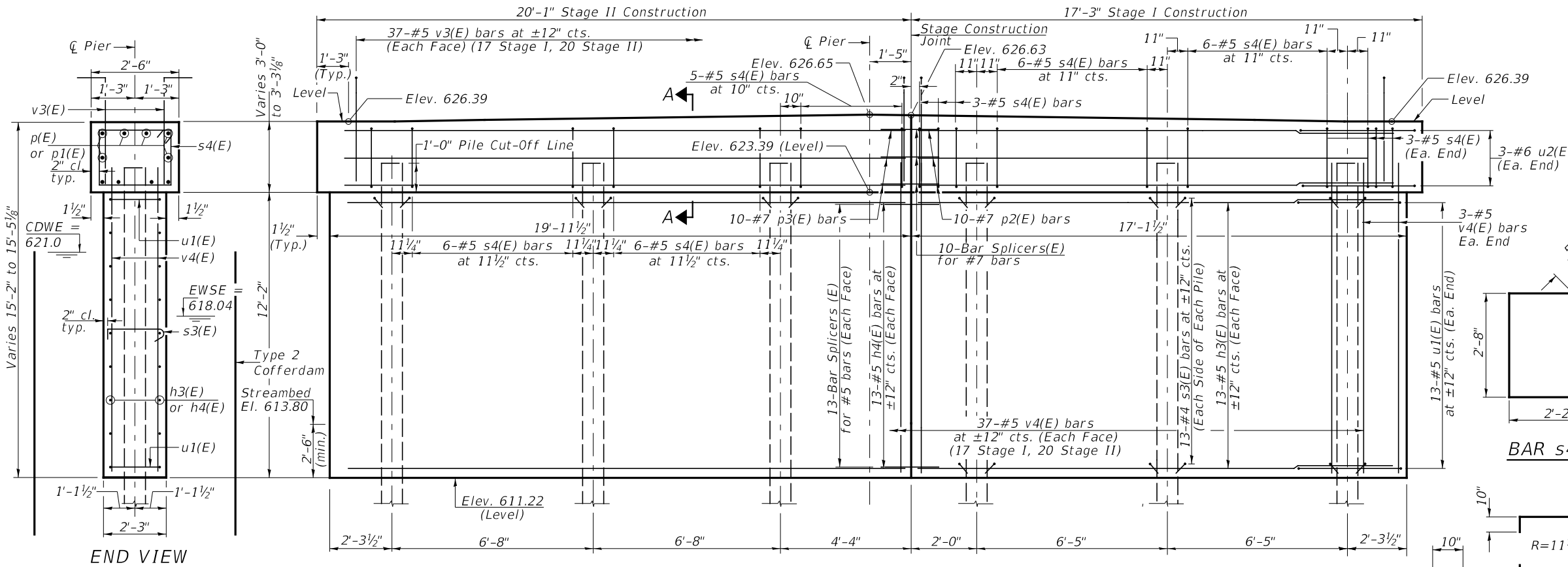
NOTES
 All edges shall have standard 3/4" chamfer.
 See Sheet 16 of 21 for Pile Details.
 See Sheet 2 of 21 for Cofferdam Details.
 See Sheet 18 of 21 for Bar Splicer Details.



TOP PLAN



SECTION A-A

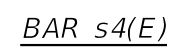


ELEVATION
(Looking North)

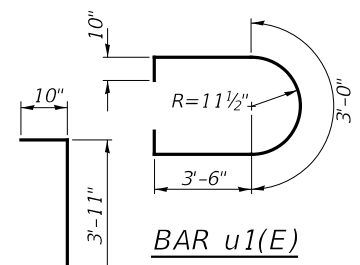
PILE DATA
 Type & Size: Metal Shell 14"x0.312" walls
 w/ Pile Shoes
 Nominal Required Bearing: 570 kips
 Factored Resistance Available: 313 kips
 Est. Length: 58'
 No. Req'd.: 6 (Includes 1 Test Pile)

PIER 1
BILL OF MATERIAL

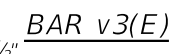
BAR	NO.	SIZE	LENGTH	SHAPE
h3(E)	26	#5	15'-10"	—
h4(E)	26	#5	18'-8"	—
p2(E)	10	#7	15'-10"	—
p3(E)	10	#7	18'-8"	—
s3(E)	156	#4	3'-0"	┌
s4(E)	38	#5	10'-7"	┌
u1(E)	26	#5	11'-8"	U
u2(E)	6	#6	11'-10"	U
v3(E)	74	#5	4'-9"	┌
v4(E)	80	#5	13'-0"	┌
Concrete Structures		CU YD	44.7	
Cofferdam Excavation		CU YD	160	
Reinforcement Bars, Epoxy Coated		POUND	4,250	
Furnishing Metal Shell Piles 14"x0.312"		FOOT	290	
Driving Piles		FOOT	290	
Pile Shoes		EACH	6	
Cofferdam (Type 2) (Location-1)		EACH	1	
Test Pile Metal Shells		EACH	1	



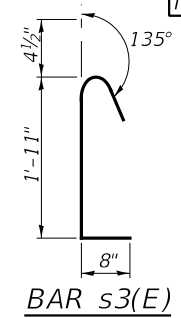
BAR s4(E)



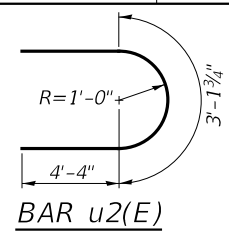
BAR u1(E)



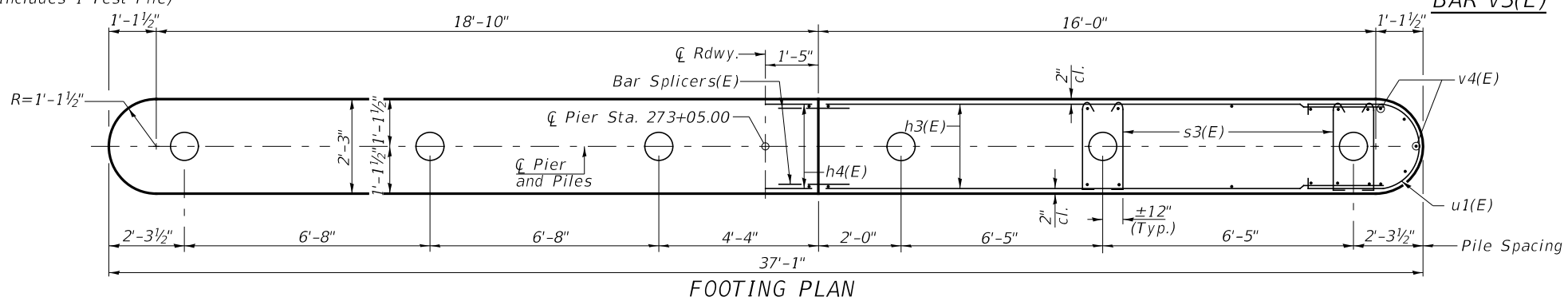
BAR v3(E)



BAR u2(E)



BAR s3(E)



FOOTING PLAN

MODEL: Defaul...
 FILE NAME: C:\388301_11_1.dwg
 USER: PIRK...
 DATE: 8/13/2020

Hutchison Engineering, Inc.
 Jacksonville-Moline-Peoria-Shorewood
 Since 1945

USER NAME = lzeller	DESIGNED CTM	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN CTM	REVISED -
PLOT DATE = 8/13/2020	CHECKED ZL/BAN	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

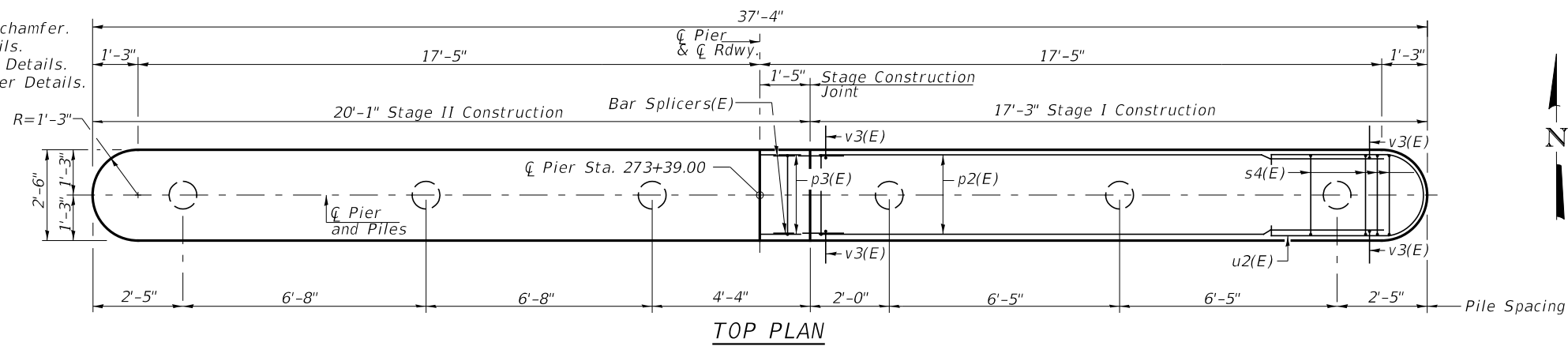
PIER 1
STRUCTURE NO. 038-0226

SCALE: SHEET 14 OF 21 SHEETS STA. TO STA.

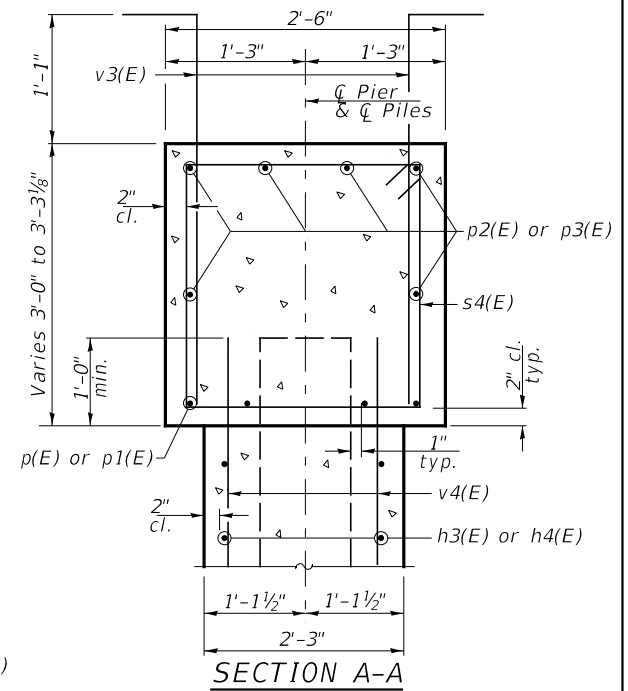
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	45
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

NOTES

All edges shall have standard 3/4" chamfer.
See Sheet 16 of 21 for Pile Details.
See Sheet 2 of 21 for Cofferdam Details.
See Sheet 18 of 21 for Bar Splicer Details.



TOP PLAN

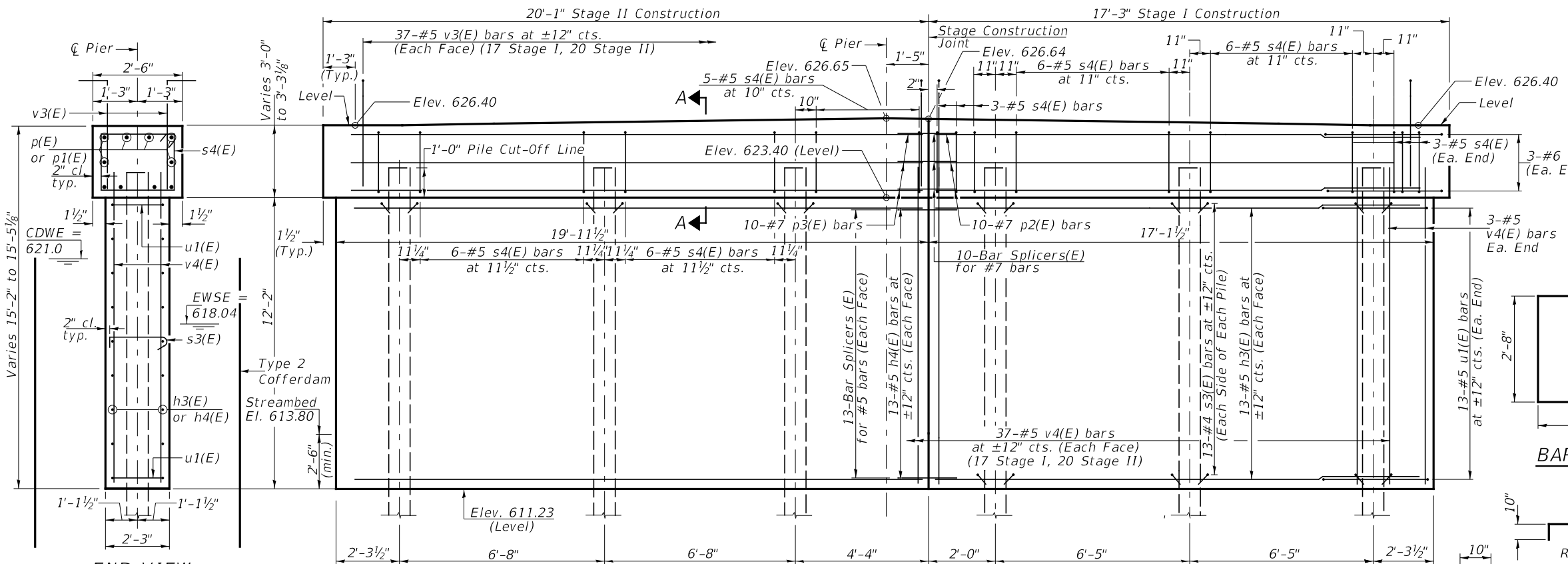


SECTION A-A

PIER 2

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h3(E)	26	#5	15'-10"	—
h4(E)	26	#5	18'-8"	—
p2(E)	10	#7	15'-10"	—
p3(E)	10	#7	18'-8"	—
s3(E)	156	#4	3'-0"	┌
s4(E)	38	#5	10'-7"	┌
u1(E)	26	#5	11'-8"	U
u2(E)	6	#6	11'-10"	U
v3(E)	74	#5	4'-9"	┌
v4(E)	80	#5	13'-0"	—
Concrete Structures	CU YD		44.7	
Cofferdam Excavation	CU YD		100	
Reinforcement Bars, Epoxy Coated	POUND		4,250	
Furnishing Metal Shell Piles 14"x0.312"	FOOT		290	
Driving Piles	FOOT		290	
Pile Shoes	EACH		6	
Test Pile Metal Shell	EACH		1	
Cofferdam (Type 2) (Location-2)	EACH		1	

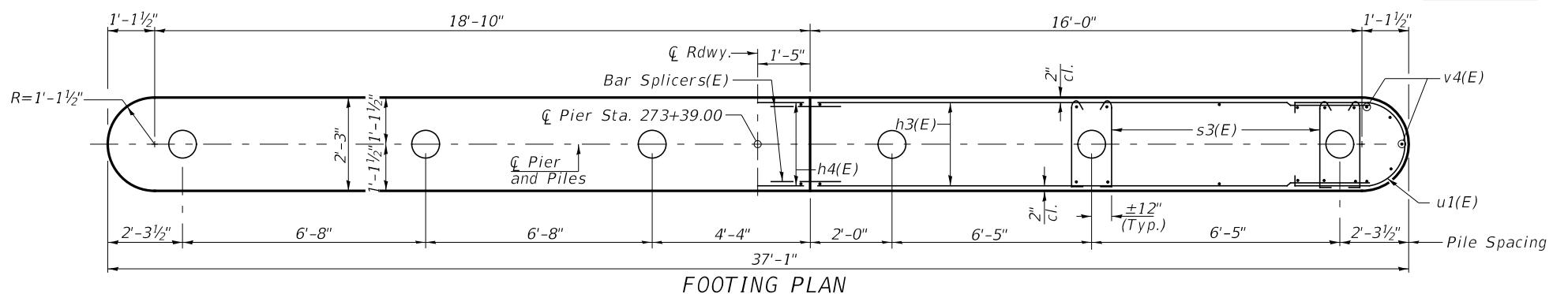
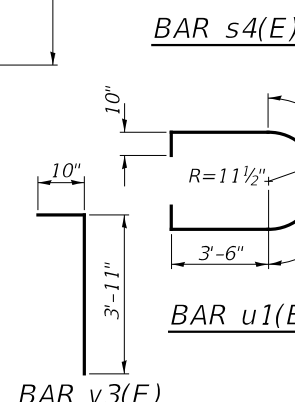


ELEVATION
(Looking North)

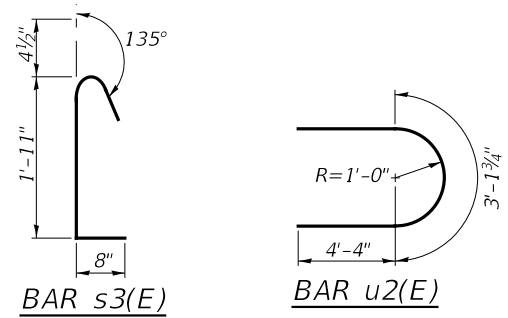
END VIEW

PILE DATA

Type & Size: Metal Shell 14"x0.312" walls w/ Pile Shoes
Nominal Required Bearing: 570 kips
Factored Resistance Available: 313 kips
Est. Length: 58'
No. Req'd.: 6 (Includes 1 Test Pile)



FOOTING PLAN



MODEL: Defaul... FILE NAME: 03202666959A015-PIER_2.dwg

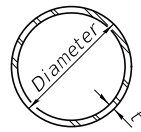
Hutchison Engineering, Inc.
Jacksonville-Moline-Peoria-Shorewood
Since 1945

USER NAME = lZeller	DESIGNED CTM	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN CTM	REVISED -
PLOT DATE = 8/13/2020	CHECKED ZL/BAN	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

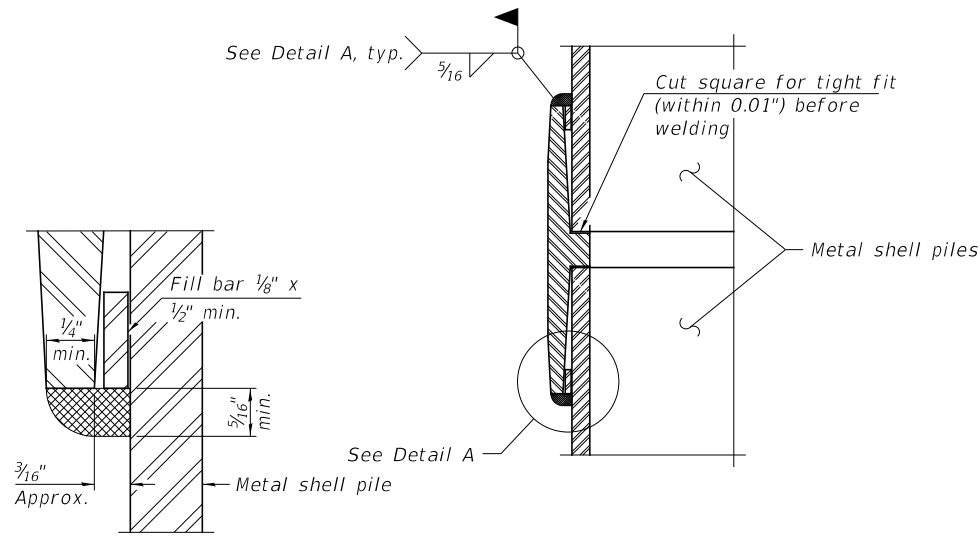
PIER 2
STRUCTURE NO. 038-0226
SCALE: SHEET 15 OF 21 SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION 4-BR	COUNTY IROQUOIS	TOTAL SHEETS 62	SHEET NO. 46
			CONTRACT NO. 66959	
		ILLINOIS FED. AID PROJECT		

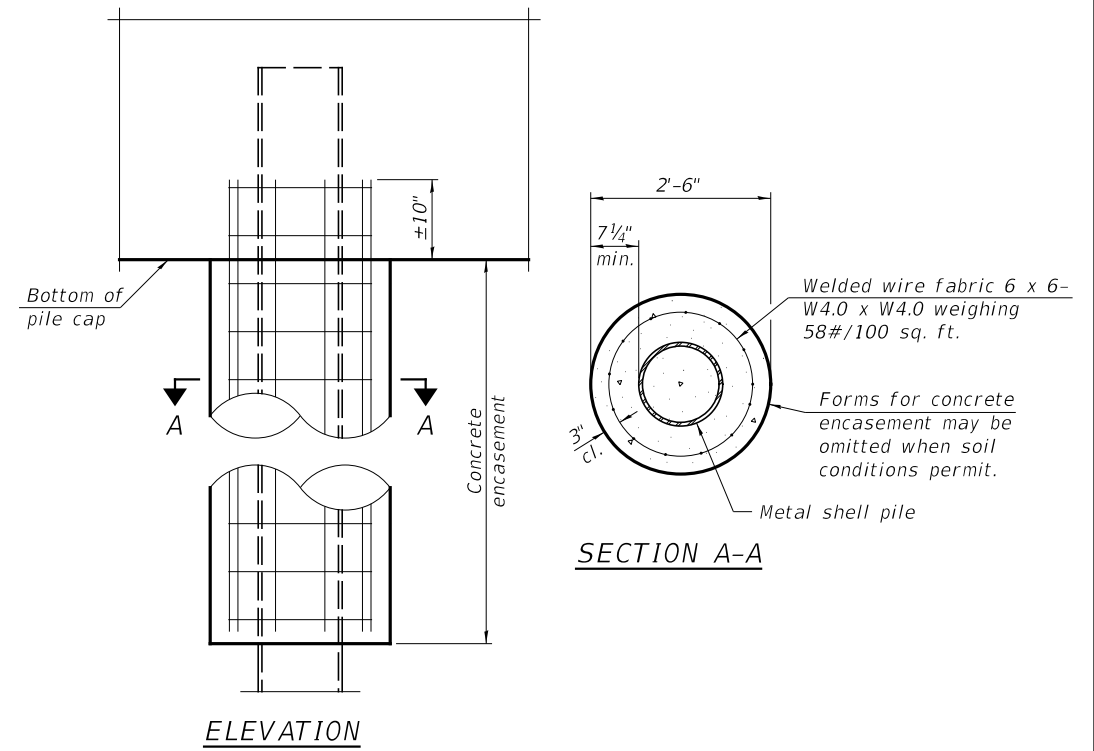


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470

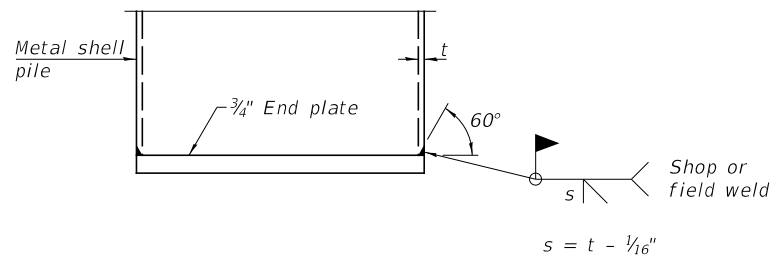


DETAIL A



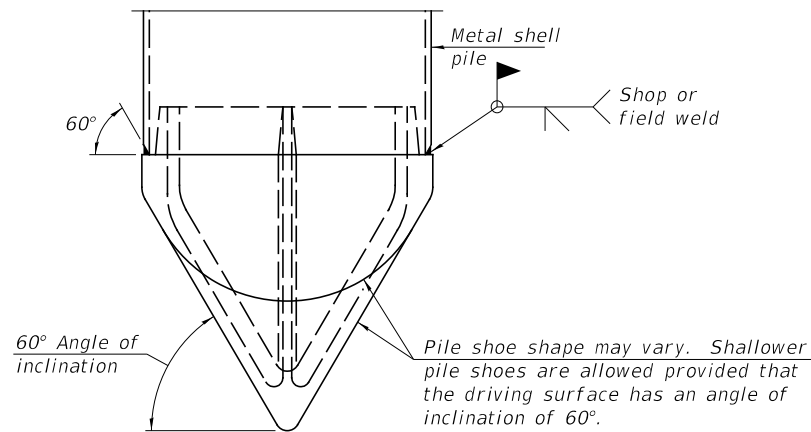
ELEVATION

INDIVIDUAL PILE CONCRETE ENCASUREMENT
(When specified)



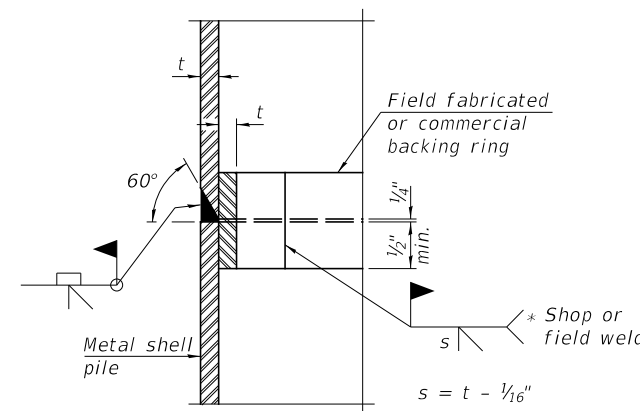
END PLATE ATTACHMENT

WELDED COMMERCIAL SPLICE
Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



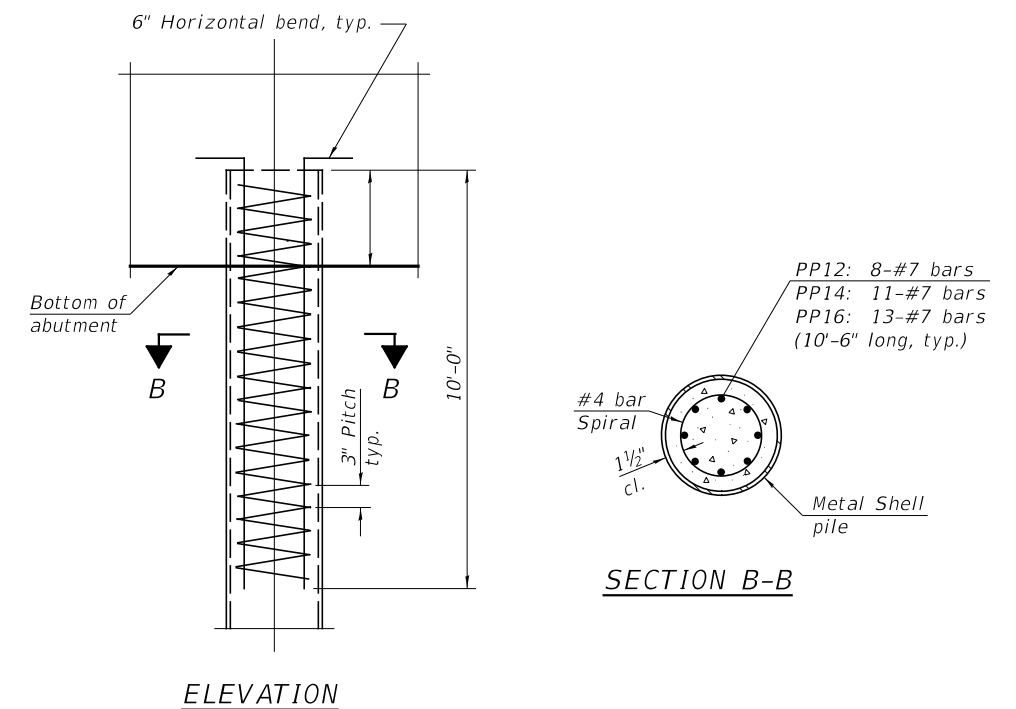
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

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F-MS 1-1-2020

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USER NAME = lZeller	DESIGNED CTM	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN CTM	REVISED -
PLOT DATE = 8/13/2020	CHECKED ZL/BAN	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

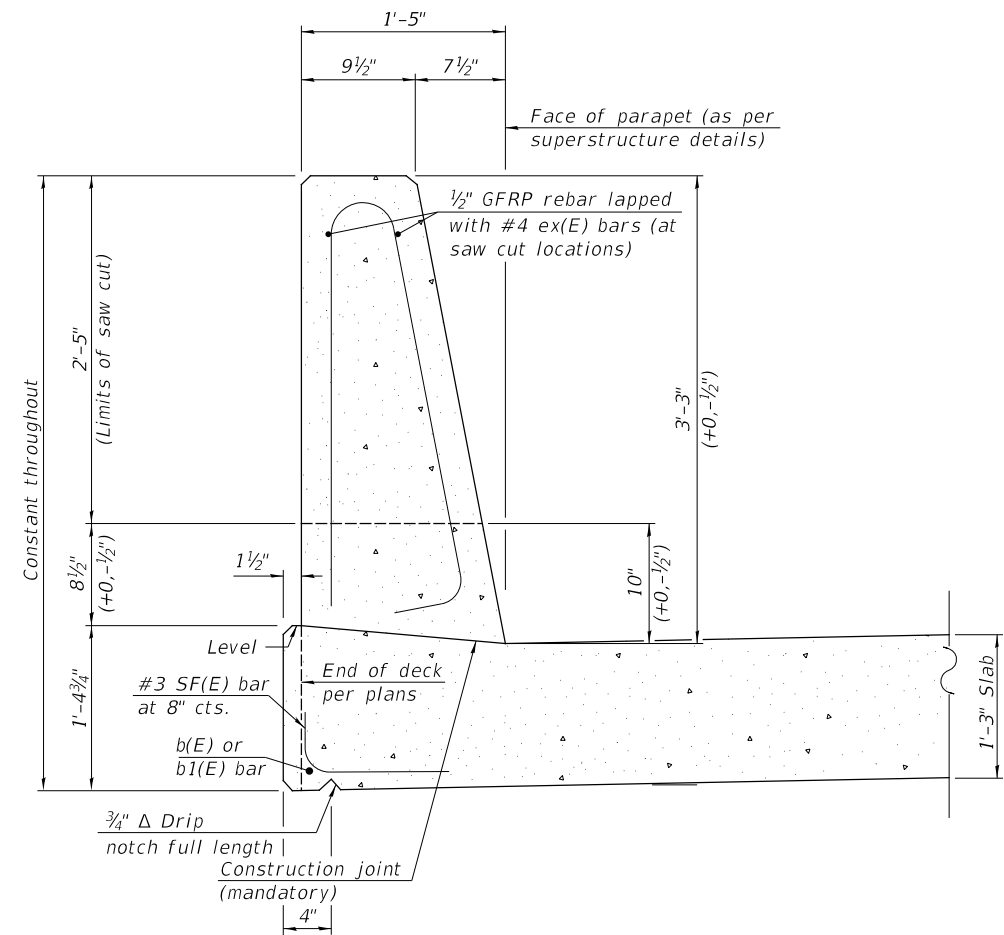
**METAL SHELL PILE DETAILS
STRUCTURE NO. 038-0226**

SCALE: SHEET 16 OF 21 SHEETS STA. TO STA.

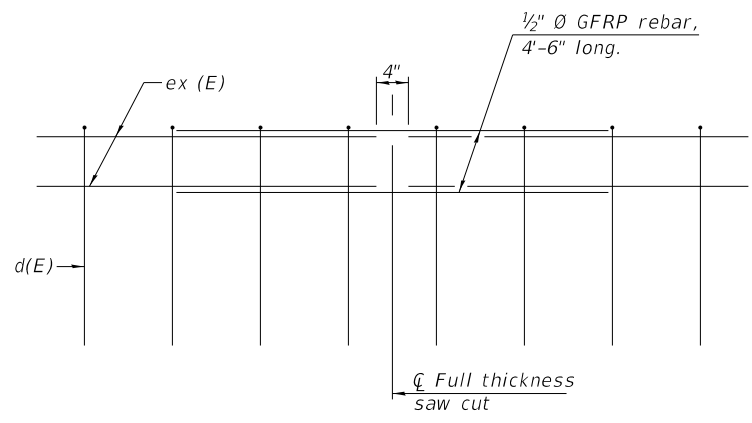
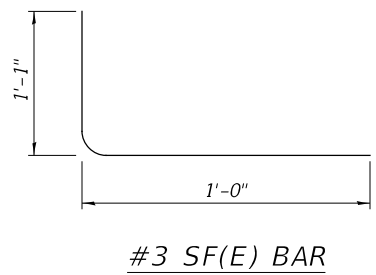
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	47
CONTRACT NO. 66959				

ILLINOIS FED. AID PROJECT

Notes:
 All dimensions shall remain the same as shown on superstructure details, except the R.C. slab shall extend 1½" past the backface of the parapet.
 Additional concrete needed to revise the R.C. slab = 0.00646 cu. yds./ft. for 39" and 44" parapets.
 Place full depth aluminum sheets as shown on superstructure details.
 Replace all cork joint filler locations with a full thickness saw cut.



**39" CONSTANT-SLOPE
 PARAPET SECTION**
 (Showing dimensions, d(E), and ½" Ø GFRP rebar)



GFRP REBAR STIFFENING DETAIL
 (Place as shown in parapet section at each parapet joint location.)

MODEL: 140821.MMF5
 FILE NAME: V:\2020\1 - IL - I over Pke Creek - (DDOT D-3 Sub to IPI\CADD\CADD Sheets\0380236-66959-017-CONC PARAPET SLIPFORMING OPTION.dgn

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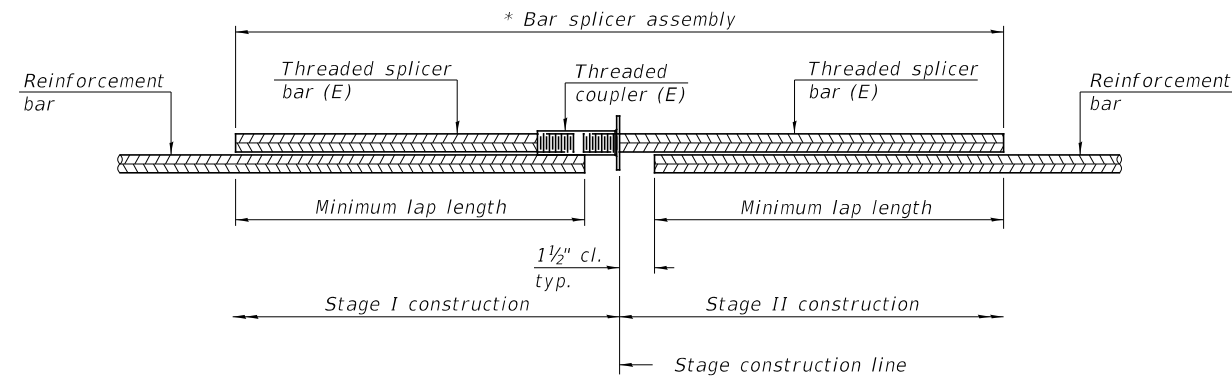
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PLOT DATE = 8/20/2020		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION
 STRUCTURE NO. 038-0226**

SCALE: SHEET 17 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	48
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



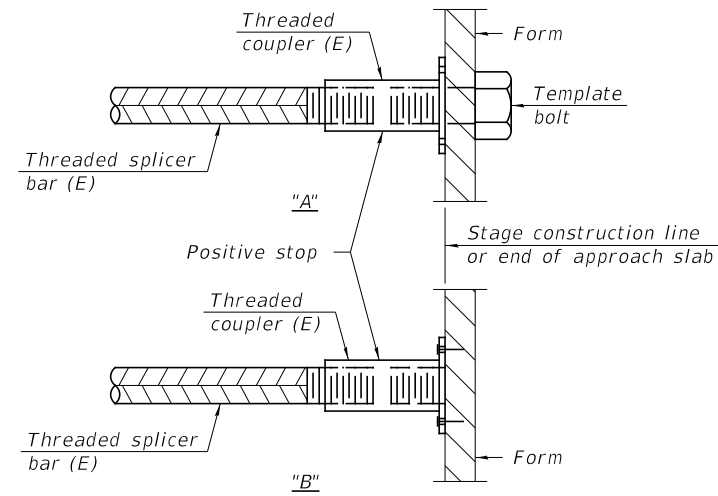
STANDARD BAR SPLICER ASSEMBLY PLAN

(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
South Approach Slab	#8	60	5'-2"
South Approach Slab	#5	46	2'-7"
South Approach Slab Footing	#5	40	3'-4"
North Approach Slab	#8	60	5'-2"
North Approach Slab	#5	46	2'-7"
North Approach Slab Footing	#5	40	3'-4"
Superstructure	#8	10	3'-8"
Superstructure	#6	374	3'-10"
South Abutment	#7	12	5'-0"
North Abutment	#7	12	5'-0"
Pier 1	#7	10	5'-0"
Pier 1	#5	26	3'-4"
Pier 2	#7	10	5'-0"
Pier 2	#5	26	3'-4"

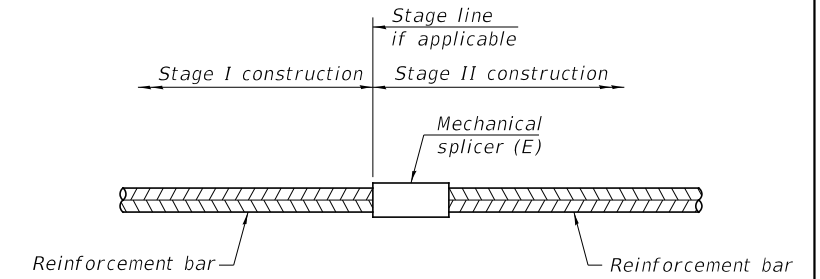


INSTALLATION AND SETTING METHODS

"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.

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BSD-1

1-1-2020

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PLOT DATE = 8/13/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 038-0226**

SCALE: SHEET 18 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66959	



SOIL BORING LOG

Date 10/19/06

ROUTE SBI-1 (IL 1) DESCRIPTION IL 1 over Pike Creek LOGGED BY Larry Myers

SECTION 4-BR LOCATION SE 1/4, SEC. 20, TWP. 28N, RNG. 12W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)
038-0020	273+22					Surface Water Elev. 618.31 ft Stream Bed Elev. _____ ft				
BORING NO. #1: SE Quad: S Abut Station 272+46 Offset 10.00ft Right Ground Surface Elev. 628.63 ft						Groundwater Elev.: First Encounter _____ ft Upon Completion 604.6 ft ∇ After _____ Hrs. _____ ft				
Augered, bituminous pavement, white CA06						Stiff, gray, Clay with layers of gray, Silty Clay with thin Silt seams @ 30.5' (somewhat varved) (continued)	2	1.5	27.1	
626.63							3	B		
Loose, brown and black, very loamy, fine to coarse, Sand - fill (borderline loam)							wh			
							2	1.2	31.6	
							3	B		
							wh			
							3	1.2	29.4	
							3	B		
621.63							wh			
Loose to medium, brown gray, fine, Sand, Silt, Clay layers (alluvial)							3	1.6	32.2	
							3	B		
619.63							wh			
Very stiff, gray, Silty Clay							2	1.6	35.0	
							3	B		
							2	1.6	35.0	
							3	B		
597.13							3			
							4	2.9	23.0	
							5	S		
594.63							4			
							6	4.7	23.4	
							8	S		
612.13							5			
							6	4.0	24.7	
							7	S		
589.63							4			
							4			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Date 10/19/06

ROUTE SBI-1 (IL 1) DESCRIPTION IL 1 over Pike Creek LOGGED BY Larry Myers

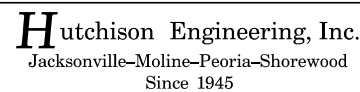
SECTION 4-BR LOCATION SE 1/4, SEC. 20, TWP. 28N, RNG. 12W, 2nd PM

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)
038-0020	273+22					Surface Water Elev. 618.31 ft Stream Bed Elev. _____ ft				
BORING NO. #1: SE Quad: S Abut Station 272+46 Offset 10.00ft Right Ground Surface Elev. 628.63 ft						Groundwater Elev.: First Encounter _____ ft Upon Completion 604.6 ft ∇ After _____ Hrs. _____ ft				
Stiff, gray, Clay with minor, Silt ribbons (continued)						Stiff, gray, Clay to Silty Clay Till	2	1.8	23.6	
							4	B		
						64.5' sample interval: high blow count from a Limestone fragment in the Till (continued)				
							3			
							4	1.8	26.7	
							4	B		
							3			
							5	2.0	13.6	
							90	B		
562.63							18			
							29	7.6	8.6	
							50	S		
579.63							55			
							100/5	>4.5	6.4	
							3	1.6	27.0	
							3	S		
							1			
							2	1.0	42.3	
							2	B		
569.63							wh			
							2	1.1	37.9	
							3	B		
							wh			
							2	1.3	29.8	
							3	B		
569.63							1			
							60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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PLOT DATE = 8/13/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 038-0226

SCALE: SHEET 19 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	50
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
 Division of Highways
 District #3, Ottawa

SOIL BORING LOG

Page 2 of 2

Date 10/20/06

ROUTE SBI-1 (IL 1) DESCRIPTION IL 1 over Pike Creek LOGGED BY Larry Myers
 SECTION 4-BR LOCATION SE 1/4, SEC. 20, TWP. 28N, RNG. 12W, 2nd PM
 COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	E	L	C	O
BORING NO.	P	O	S	I	Groundwater Elev.:	P	L	U	O
Station	T	W	Qu	T	First Encounter	H	S	Qu	S
Offset	H	S			Upon Completion				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	After	(ft)	(/6")	(tsf)	(%)
038-0020					618.31				
273+22									
#2: NW Quad: N Abut									
273+97									
11.00ft Left					605.5				
628.54									
Very stiff, dark gray, Silty Clay with layers, seams, and pockets of Silt (continued)	4	2.1	30.6		Stiff, gray, Silty Clay with layers of fine, Sand, Silt, and Clay (continued)	2	1.5	23.1	
	6	S				3	B		
585.54					565.04				
Stiff, gray, Clay with minor, Silt-large and small scale varing in Clay					Hard, gray, brittle, Silty Clay Loam Till, with Cobble to Boulder size rocks				
	wh					7			
	2	1.3	38.8		64.5'- Washed Interval	13	>4.5	11.6	
	2	S			Auger refusal @ 69': Boulder obstruction	58	P		
					559.04				
	2				End of Boring	100/0'			
	2	1.9	25.6						
	4	S							
	1								
	2	1.3	29.7						
	3	S							
569.54									
Stiff, gray, Silty Clay with layers of fine, Sand, Silt, and Clay	2								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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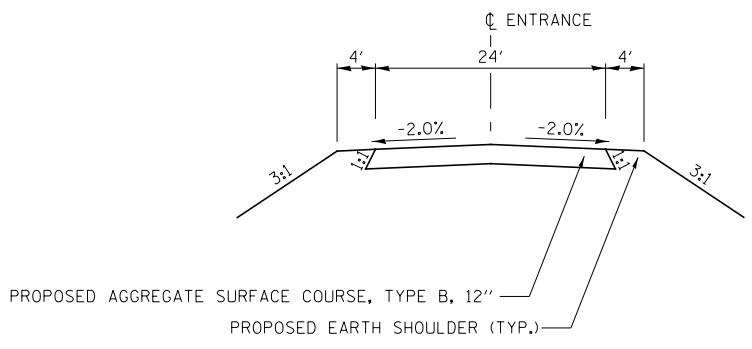
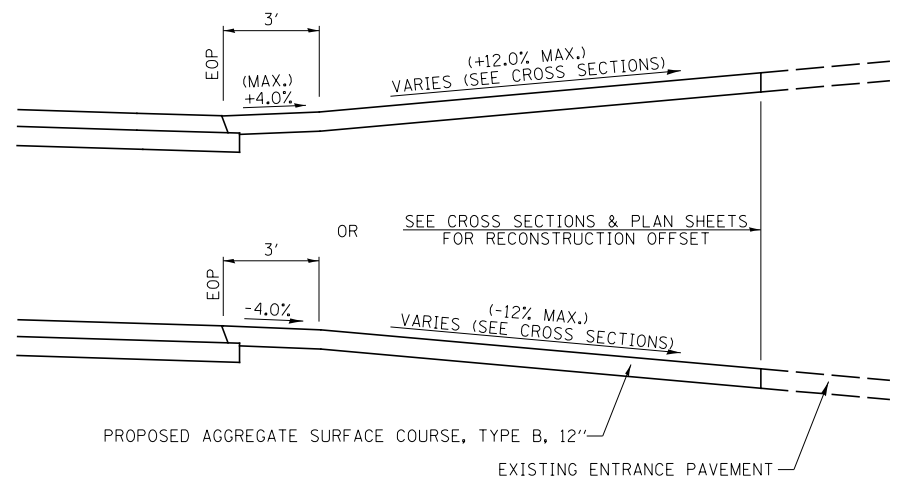
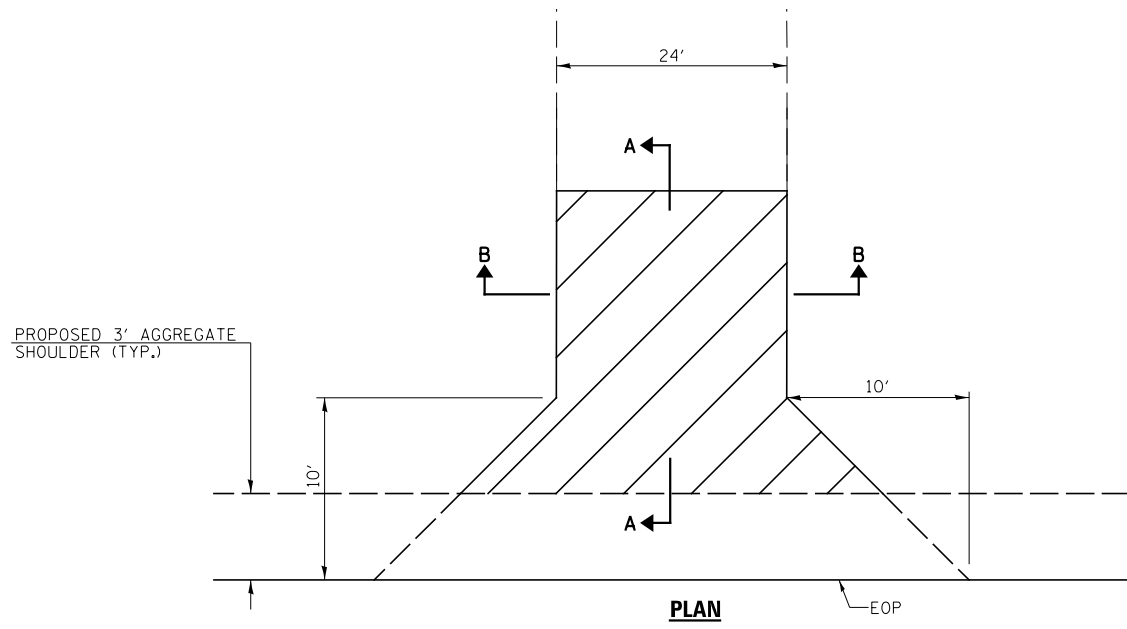
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

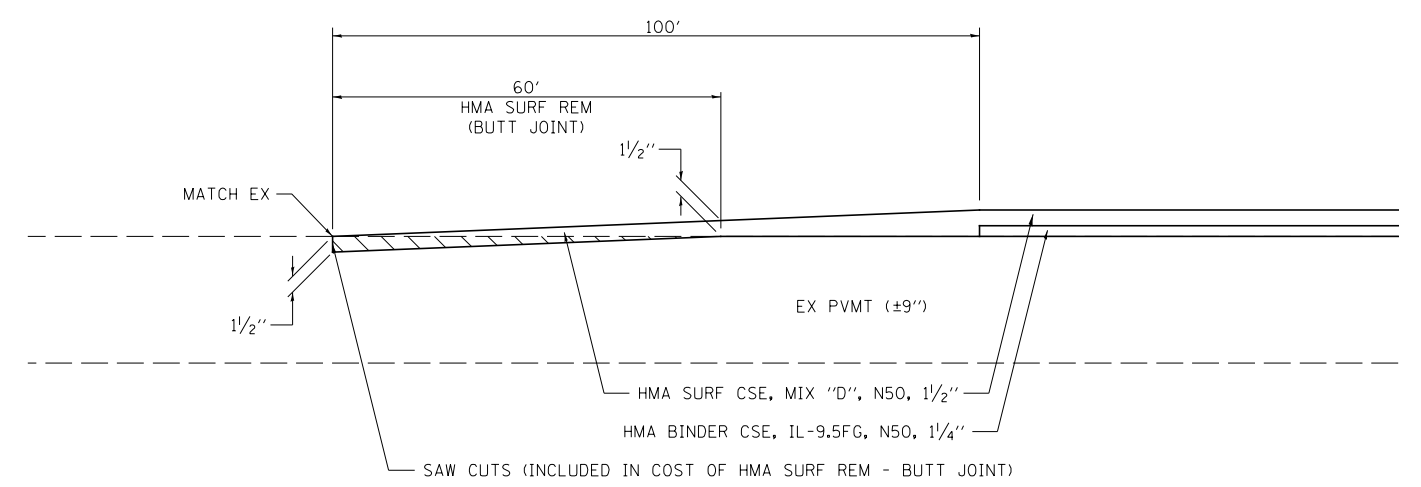
SOIL BORING LOGS
STRUCTURE NO. 038-0226

SCALE: SHEET 21 OF 21 SHEETS STA. TO STA.

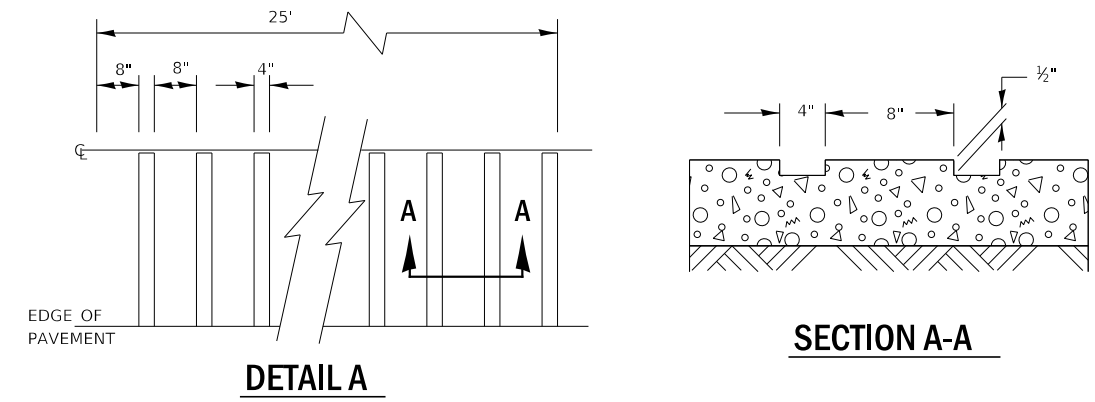
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	52
			CONTRACT NO. 66959	
		ILLINOIS	FED. AID PROJECT	



FIELD ENTRANCE (FE) DETAILS



BEGINNING /ENDING TRANSITION DETAIL



TYPICAL GROOVED RUMBLE STRIP APPLICATION IN ADVANCE OF AN INTERSECTION

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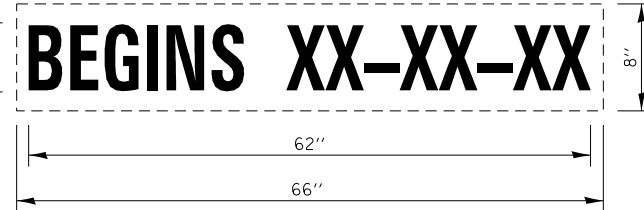
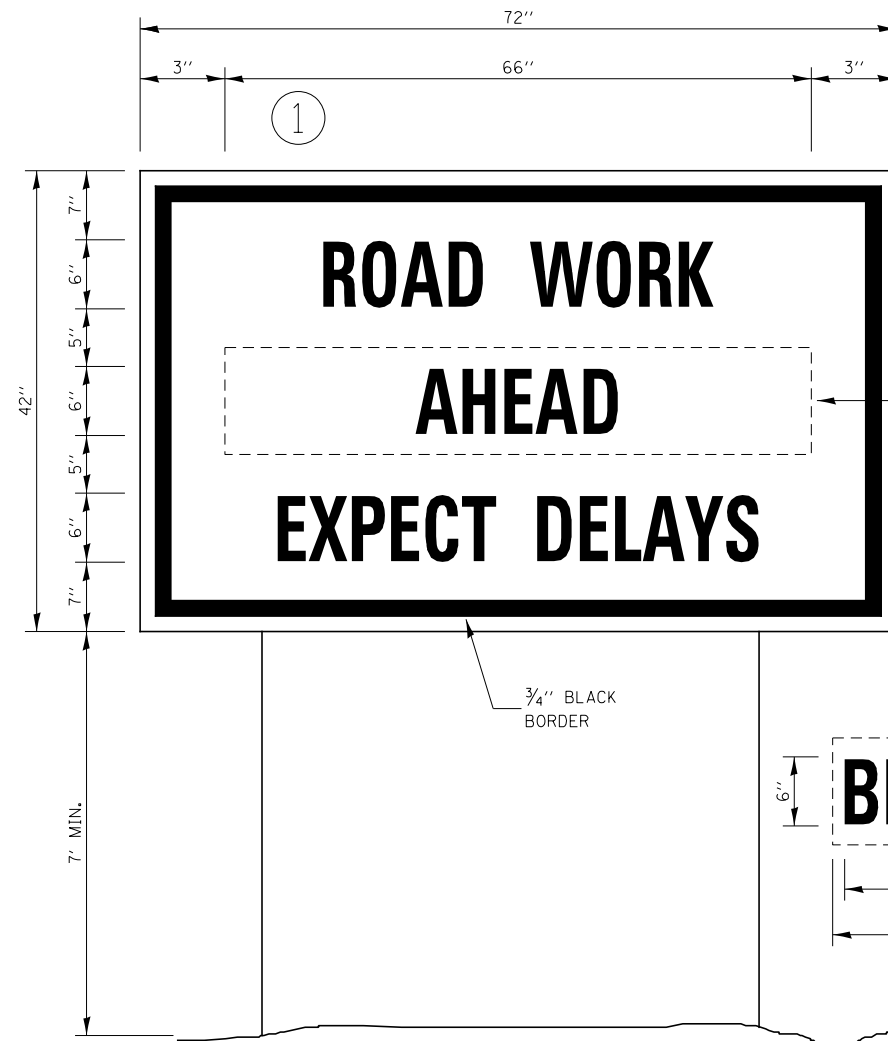
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PLOT DATE = 8/13/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 332 (IL RTE 1)
ENTANCE & SPECIAL DETAILS**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. N/A TO STA. N/A

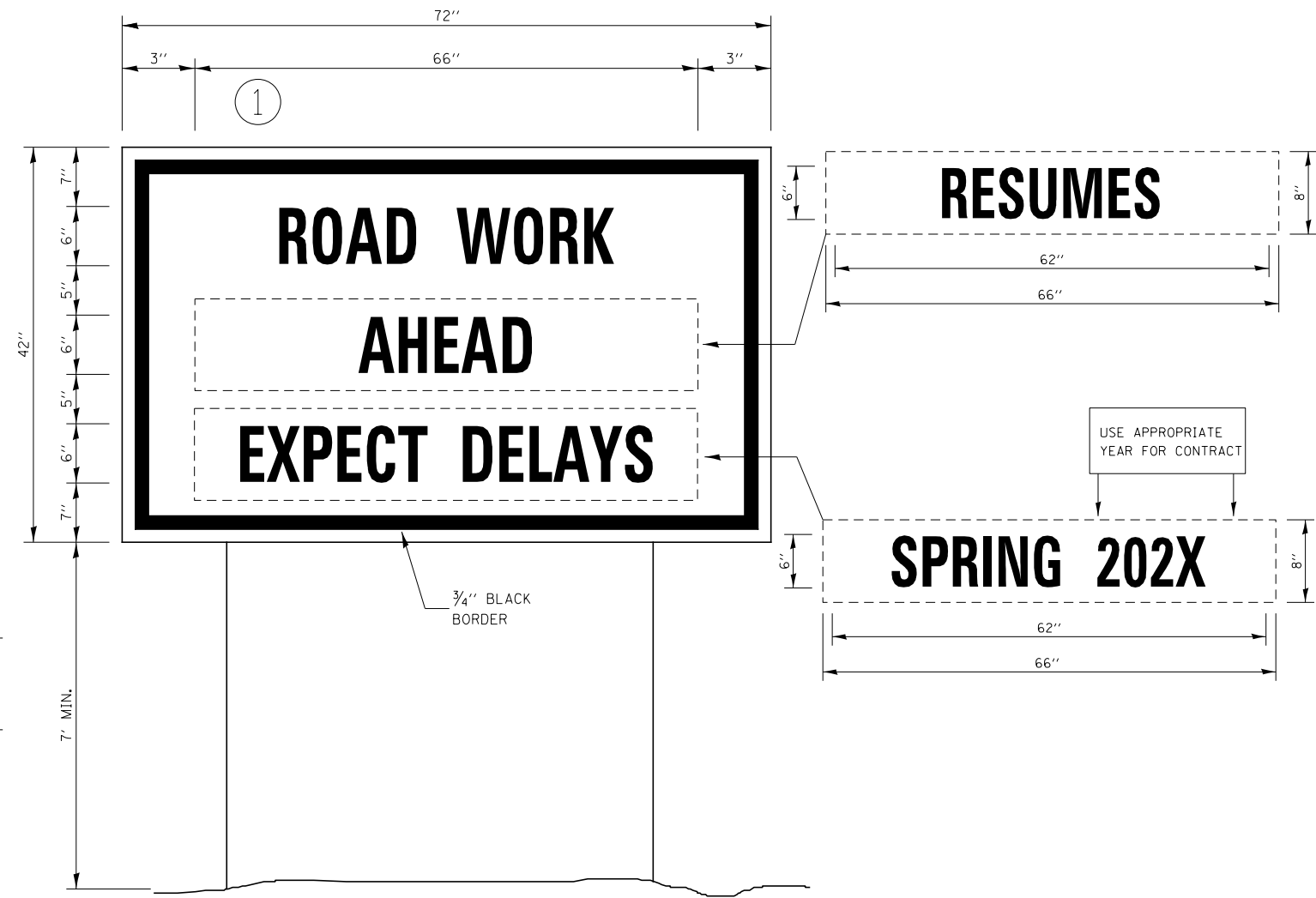
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	53
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



WINTER SHUT DOWN SIGNING

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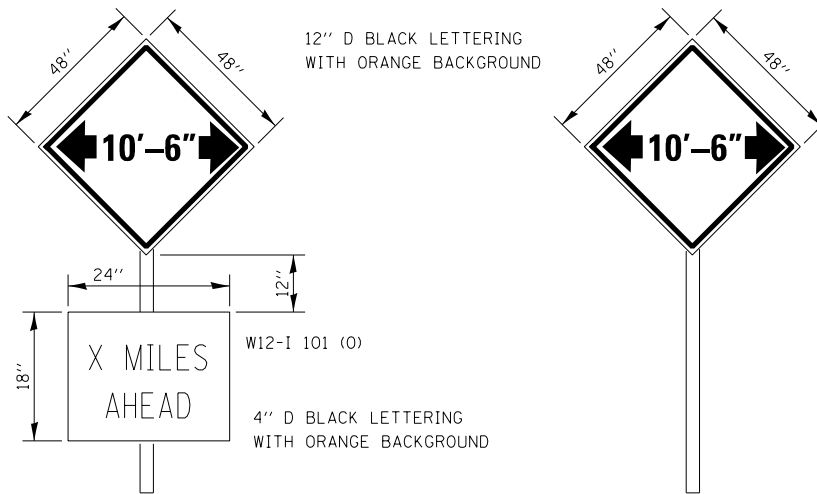
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Jacksonville Moline Peoria Shorewood
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	DRAWN -	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/13/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP ROUTE 332 (IL RTE 1) MISCELLANEOUS DETAILS			
SCALE: N/A	SHEET 2	OF 4 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	54
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				



TO BE POST MOUNTED AT THE FOLLOWING LOCATIONS:

- NORTHBOUND - IMMEDIATELY PRIOR TO CONSTRUCTION ZONE.
- SOUTHBOUND - IN ADVANCE OF IL 1 AND 2850N ROAD INTERSECTION, IN ADVANCE OF IL 1 AND IL 17 INTERSECTION AND IMMEDIATELY PRIOR TO CONSTRUCTION ZONE.
- EASTBOUND - IMMEDIATELY PRIOR TO CONSTRUCTION ZONE.
- WESTBOUND - IMMEDIATELY PRIOR TO CONSTRUCTION ZONE.

ENGINEER SHALL DETERMINE EXACT LOCATION.

THE ENGINEER WILL NOTIFY DISTRICT 3 BUREAU OF OPERATIONS 14 CALENDAR DAYS PRIOR TO INSTALLING ANY TRAFFIC CONTROL DEVICES THAT WILL RESTRICT THE PAVEMENT WIDTH.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO MEET THIS REQUIREMENT.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

SEE SPECIAL PROVISION FOR SUPPLEMENTAL "MILES AHEAD" PLAQUE INFORMATION.

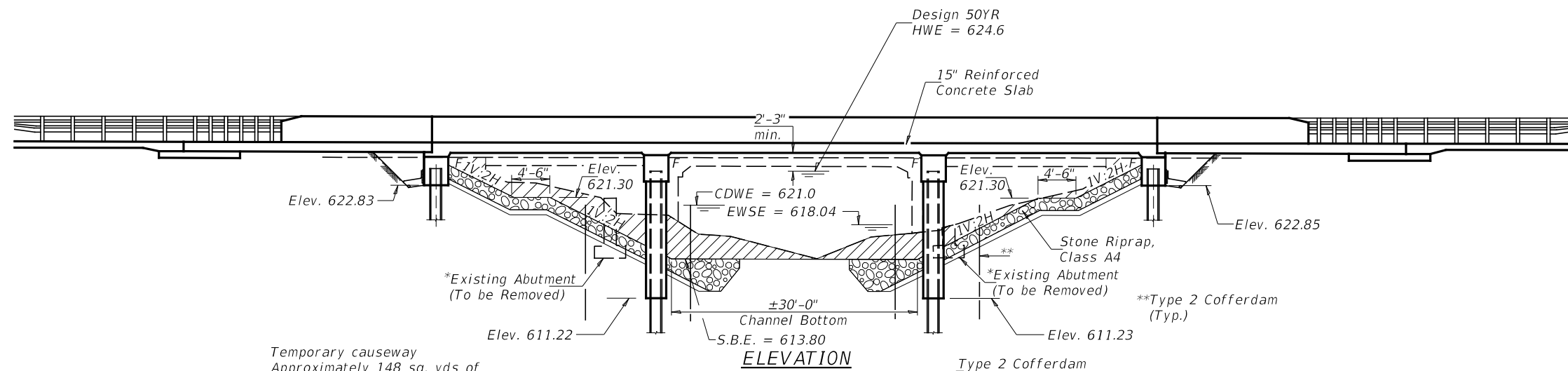
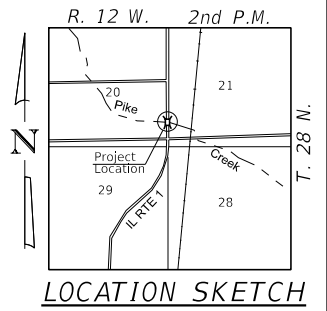
WIDTH RESTRICTION SIGNING DETAILS

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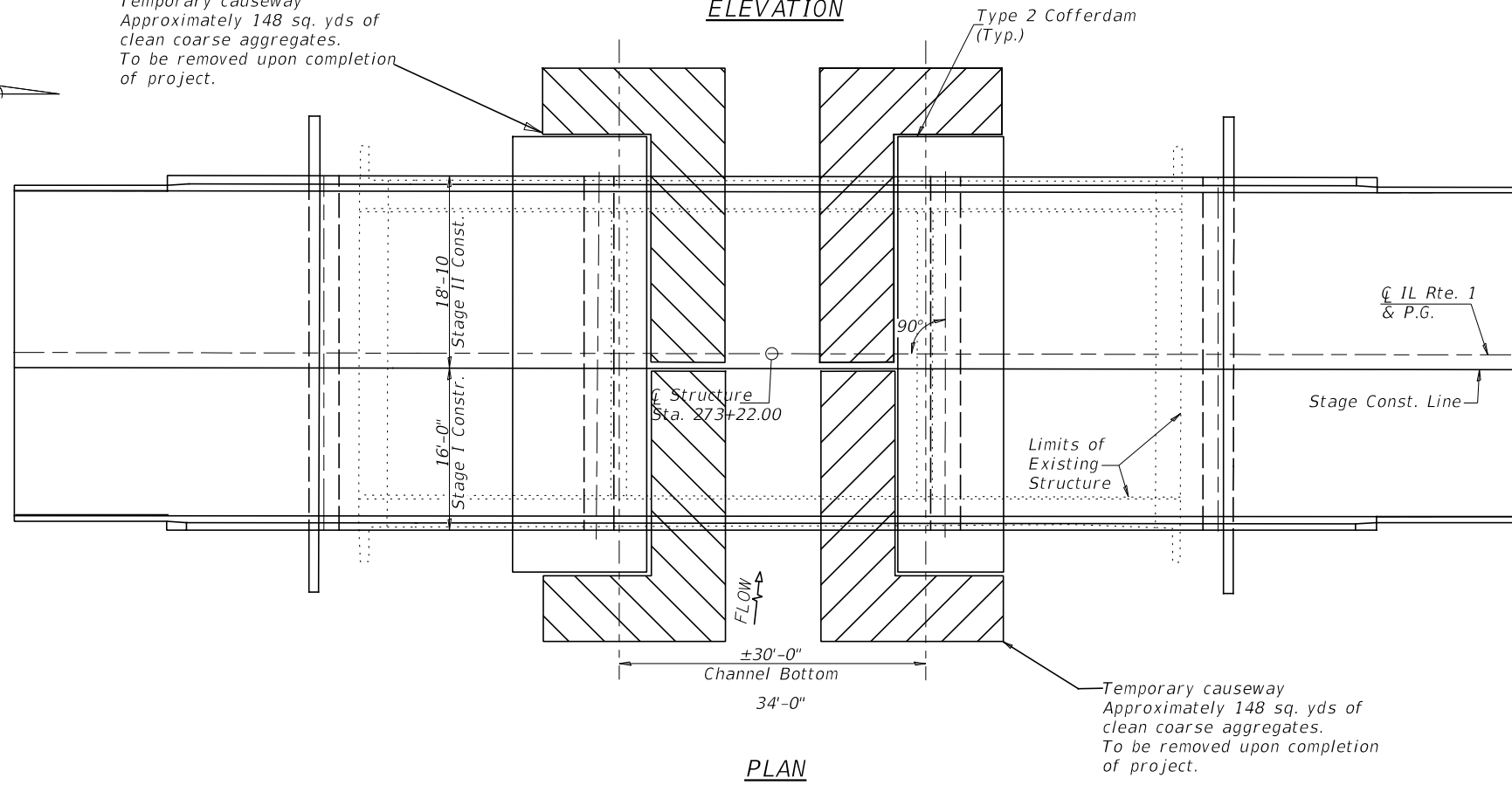
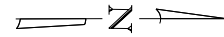
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	DRAWN -	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/13/2020	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4 BR	IROQUOIS	62	55
CONTRACT NO. 66959				
ILLINOIS FED. AID PROJECT				

EXHIBIT



Temporary causeway
Approximately 148 sq. yds of
clean coarse aggregates.
To be removed upon completion
of project.



Temporary causeway
Approximately 148 sq. yds of
clean coarse aggregates.
To be removed upon completion
of project.

Not to Scale

**GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 1 OVER PIKE CREEK
F.A.P. RTE. 332 - SEC. 4-BR
IROQUOIS COUNTY
STA. 273+22.00
EXISTING STRUCTURE NO. 038-0020
PROPOSED STRUCTURE NO. 038-0226**

Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CAUSEWAY PLAN
STRUCTURE NO. 038-0226**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	4-BR	IROQUOIS	62	56
CONTRACT NO. 66959				

ILLINOIS FED. AID PROJECT

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

MODEL: IL1
FILE NAME: V:\4389.01 IL 1 over PkCreek\CADD\CADD Drawings\0366959-xsc.dgn

Hutchinson Engineering, Inc.
Jacksboro, Mo. · Peoria · Shorewood
Since 1945

USER NAME = LZHR
PLOT SCALE = 20.0000' = 1" IN.
PLOT DATE = 8/13/2020

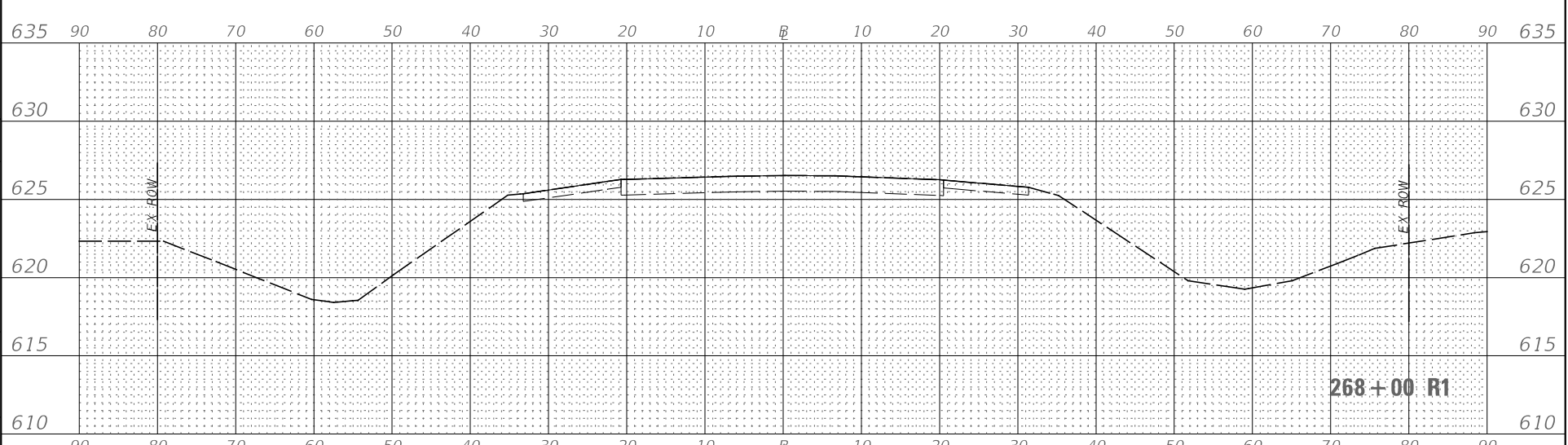
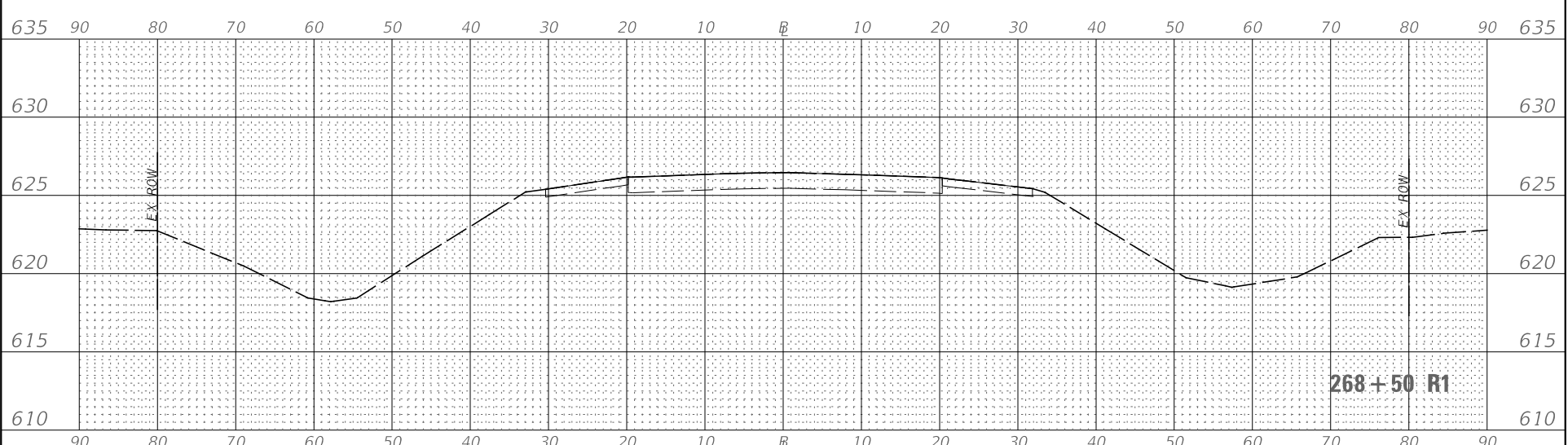
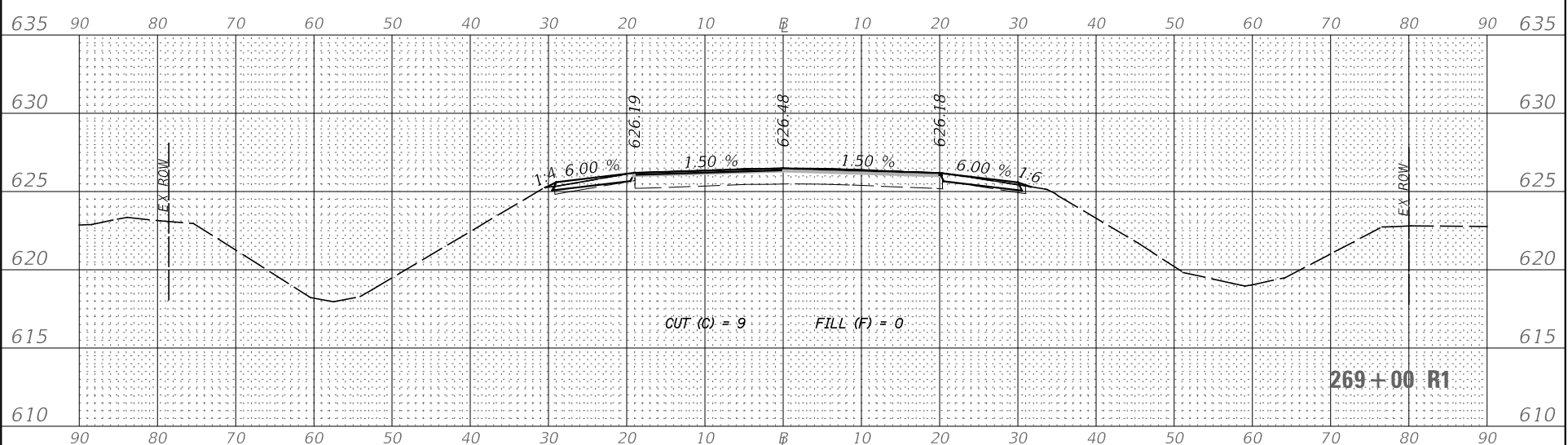
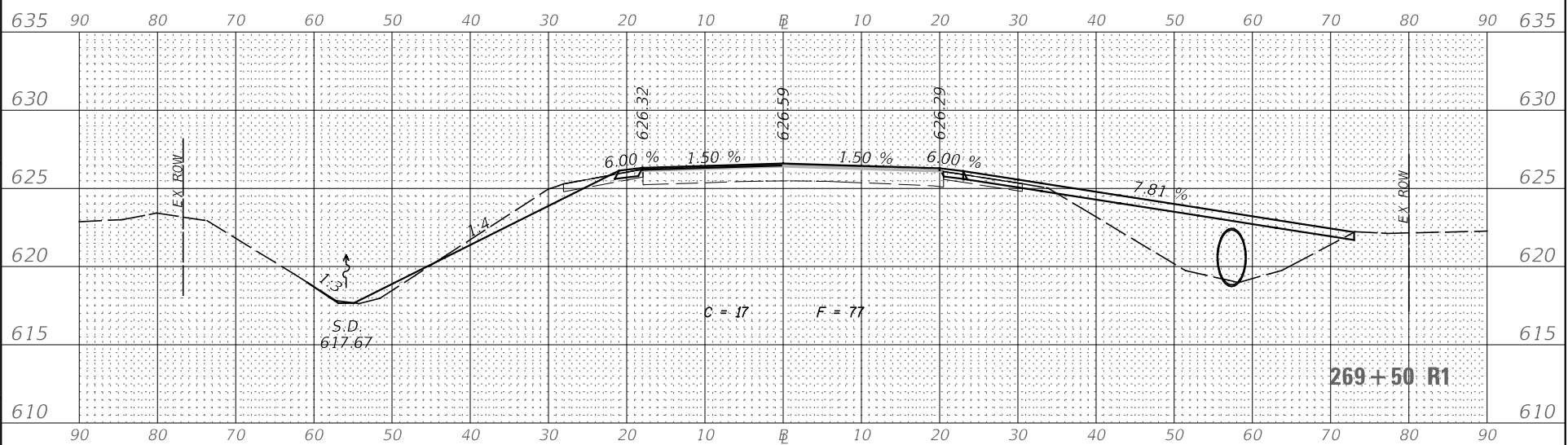
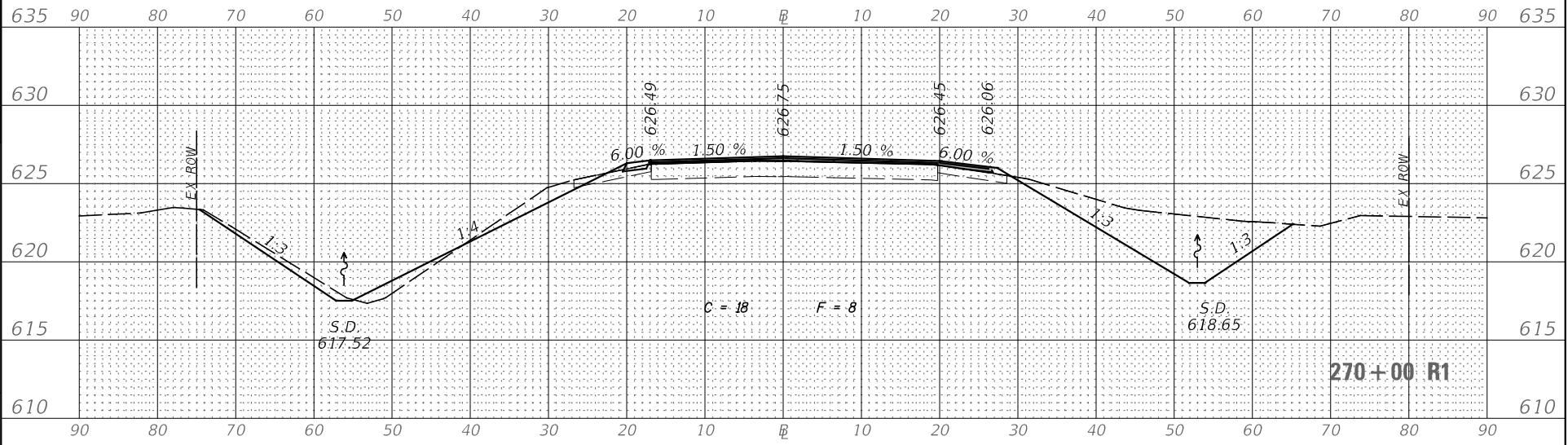
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: H=10 V=5
SHEET 1 OF 6 SHEETS STA. 268+00 R1 TO STA. 270+00 R1
FAP ROUTE 332 (IL RTE 1)
CROSS SECTIONS

F.A.P. RTE. 332
SECTION 4 BR.
COUNTY IROQUOIS
CONTRACT NO. 66959
TOTAL SHEET NO. 62
SHEETS 57
ILLINOIS FED. AID PROJECT



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL1
FILE NAME: V:\4389.01 IL 1 over PkCreek\CADD\CADD Drawings\0366959-xsc.dgn

Hutchinson Engineering, Inc.
Jacksboro, Mo. · Peoria · Shorewood
Since 1945

USER NAME = L24HR
PLOT SCALE = 20,000' = 1" IN.
PLOT DATE = 8/13/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: H=10 V=5

SHEET 2

FAP ROUTE 332 (IL RTE 1)
CROSS SECTIONS

OF 6 SHEETS STA. 270+50 R1 TO STA. 272+00 R1

F.A.P. RTE. 332

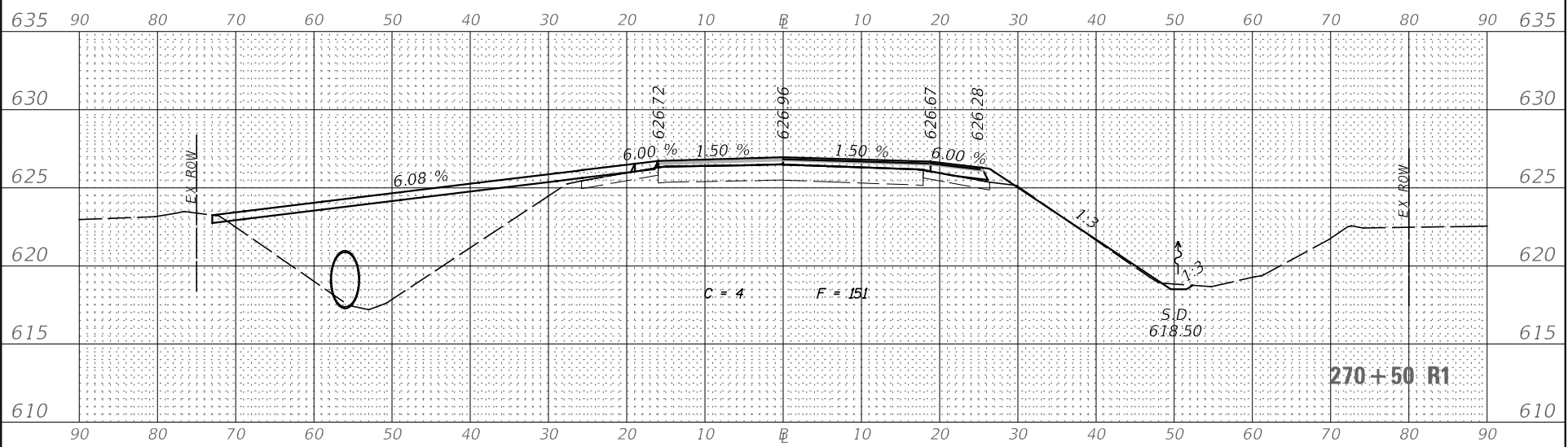
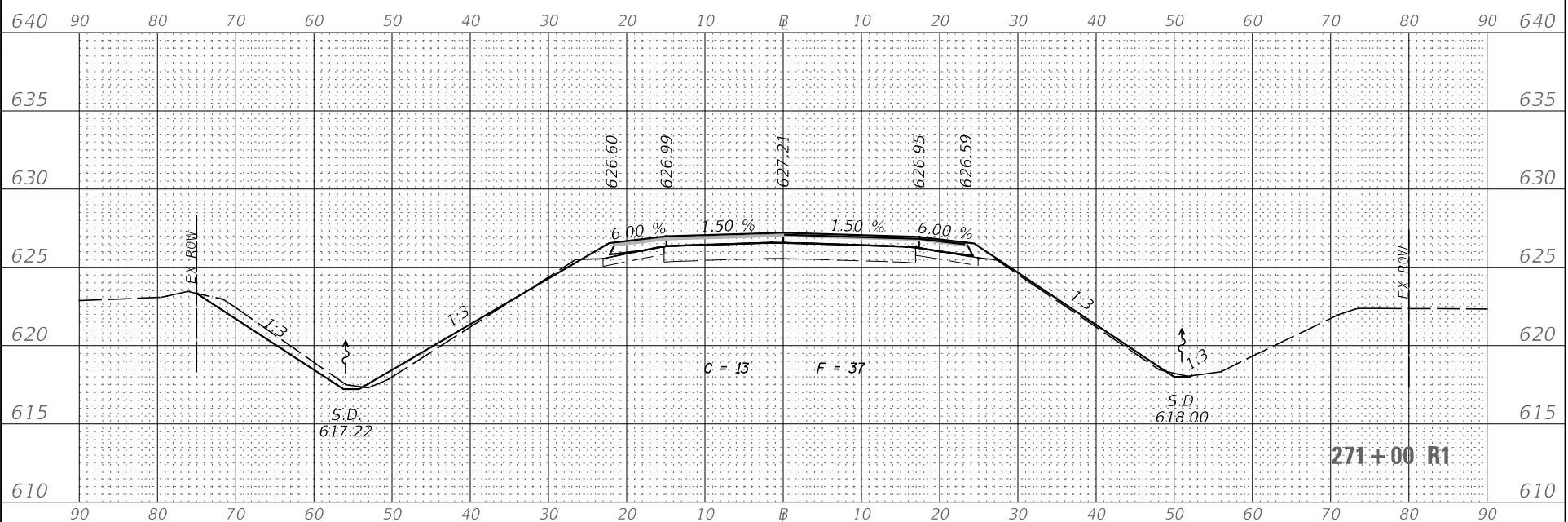
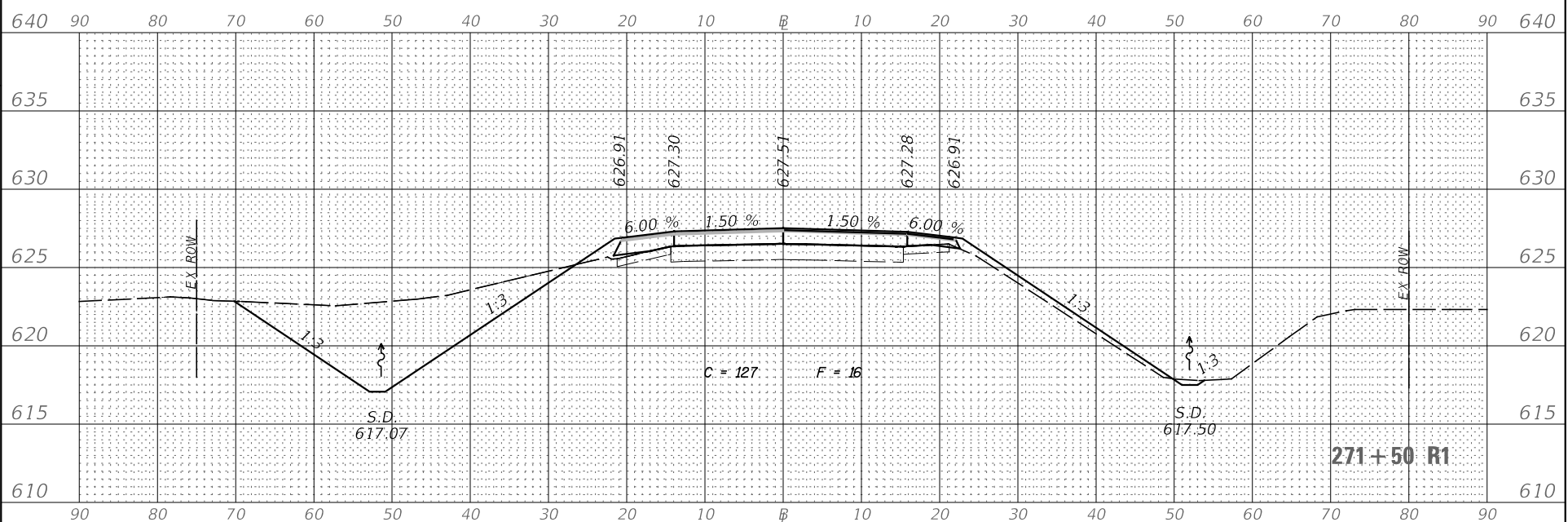
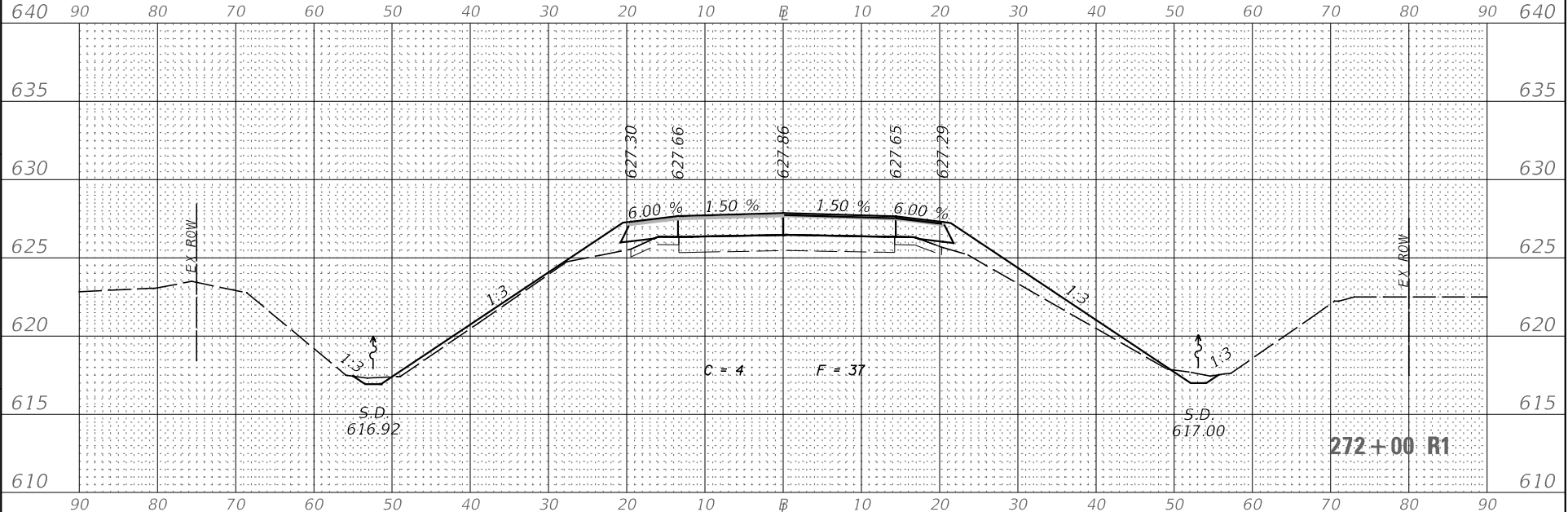
SECTION 4 BR

COUNTY IROQUOIS

TOTAL SHEET SHEETS NO. 62

CONTRACT NO. 66959

ILLINOIS FED. AID PROJECT



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL1
FILE NAME: V:\4389.01 IL 1 over PkC Creek\CADD\CADD Drawings\0366959-xsc.dgn

Hutchinson Engineering, Inc.
Jacksboro, Mo. · Peoria · Shorewood
Since 1945

USER NAME = LZHR
PLOT SCALE = 20,000' = 1" IN.
PLOT DATE = 8/13/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

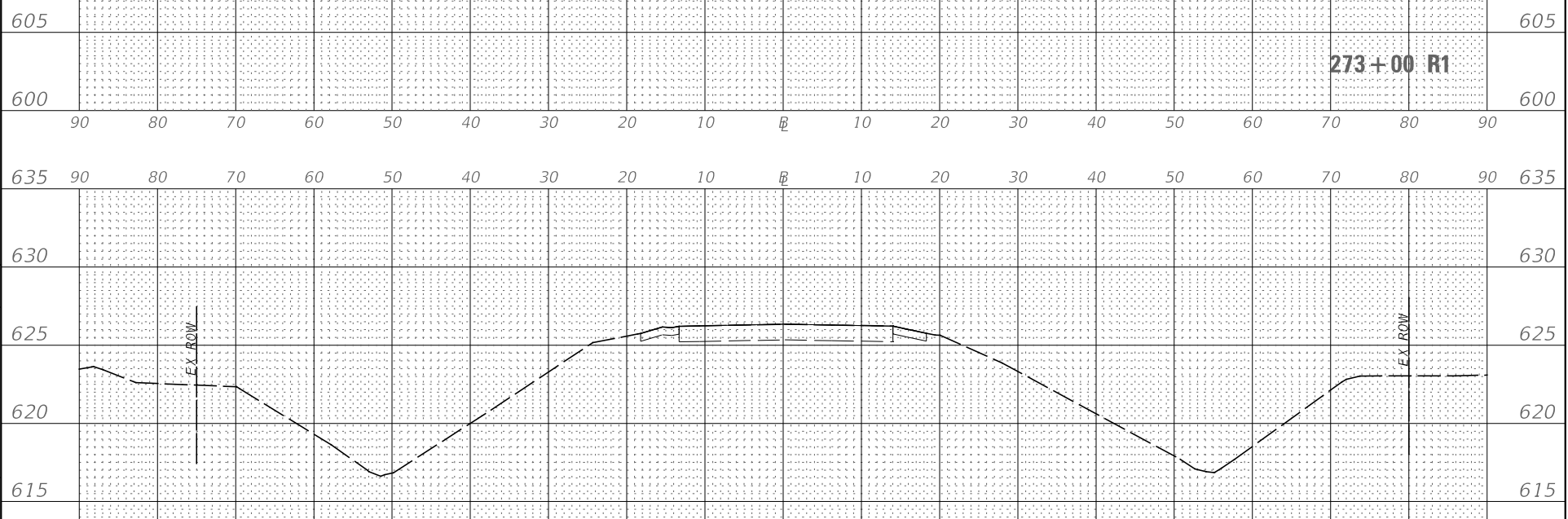
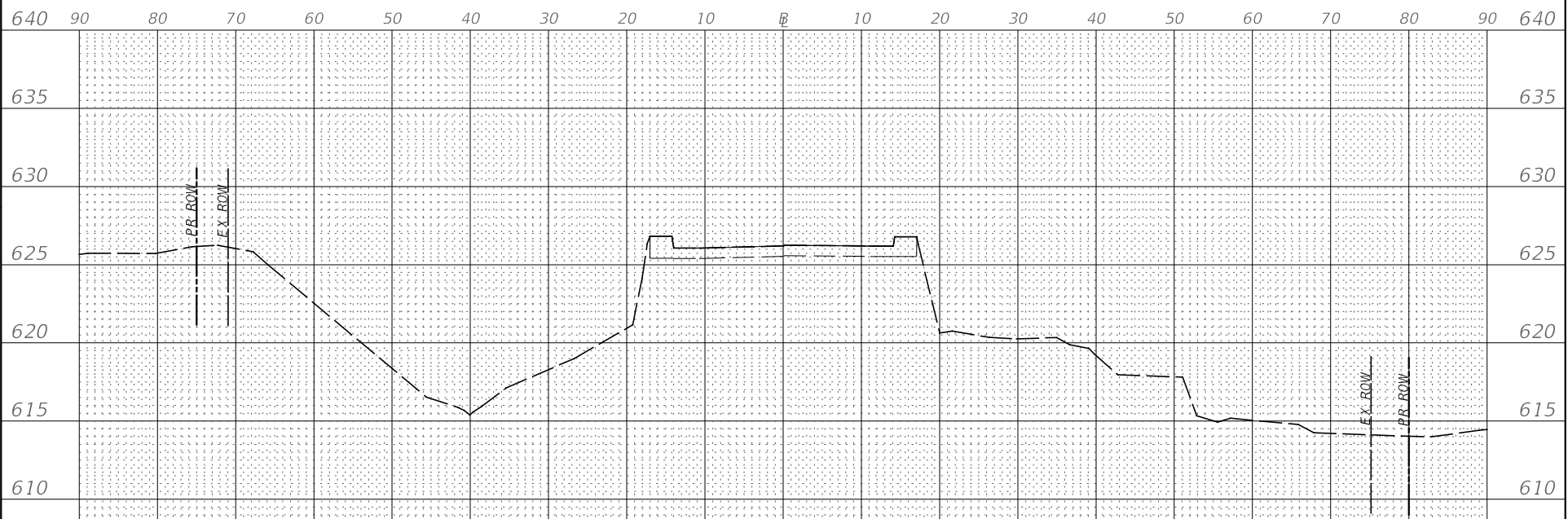
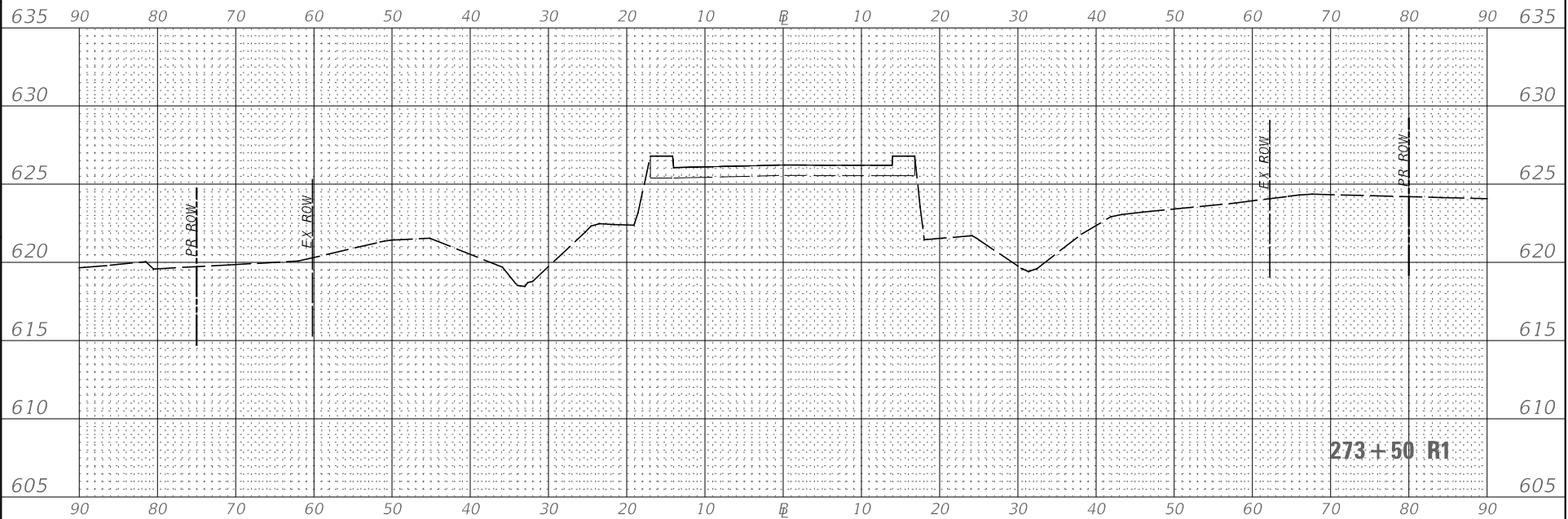
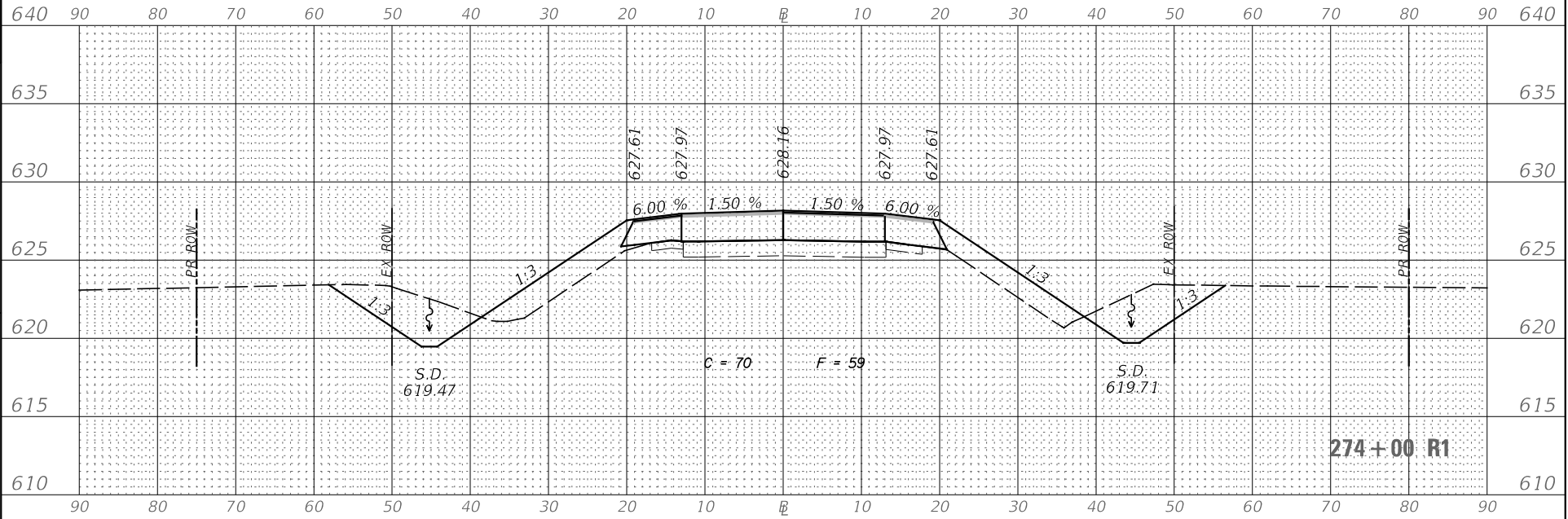
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: H=10 V=5

SHEET 3 OF 6 SHEETS
STA. 272+50 R1 TO STA. 274+00 R1

FAP ROUTE 332 (IL RTE 1)
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
332	4 BR	IRROQUOIS	62
			59
ILLINOIS FED. AID PROJECT	CONTRACT NO.		
	66959		



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

MODEL: IL1
FILE NAME: V:\4389.01 IL 1 over PkCreek\CADD\CADD Drawings\0366959-xsc.dgn

Hutchinson Engineering, Inc.
Jacksboro, Mo. · Peoria · Shorewood
Since 1945

USER NAME = LZAH
PLOT SCALE = 20,000' = 1" IN.
PLOT DATE = 8/13/2020

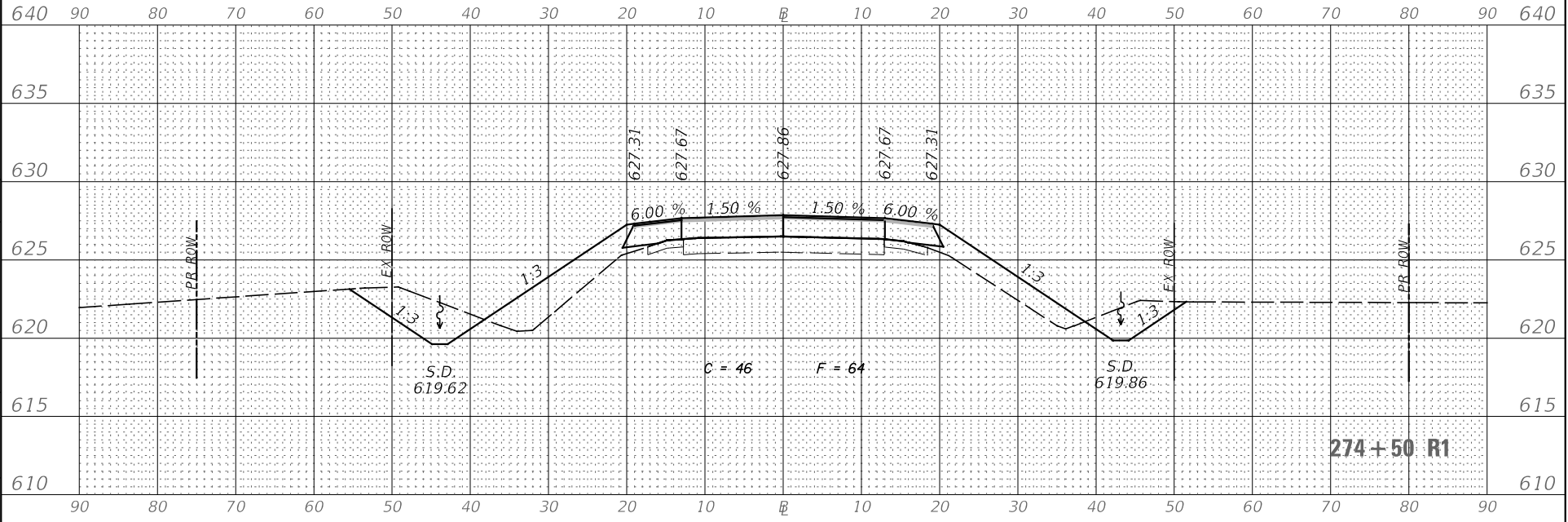
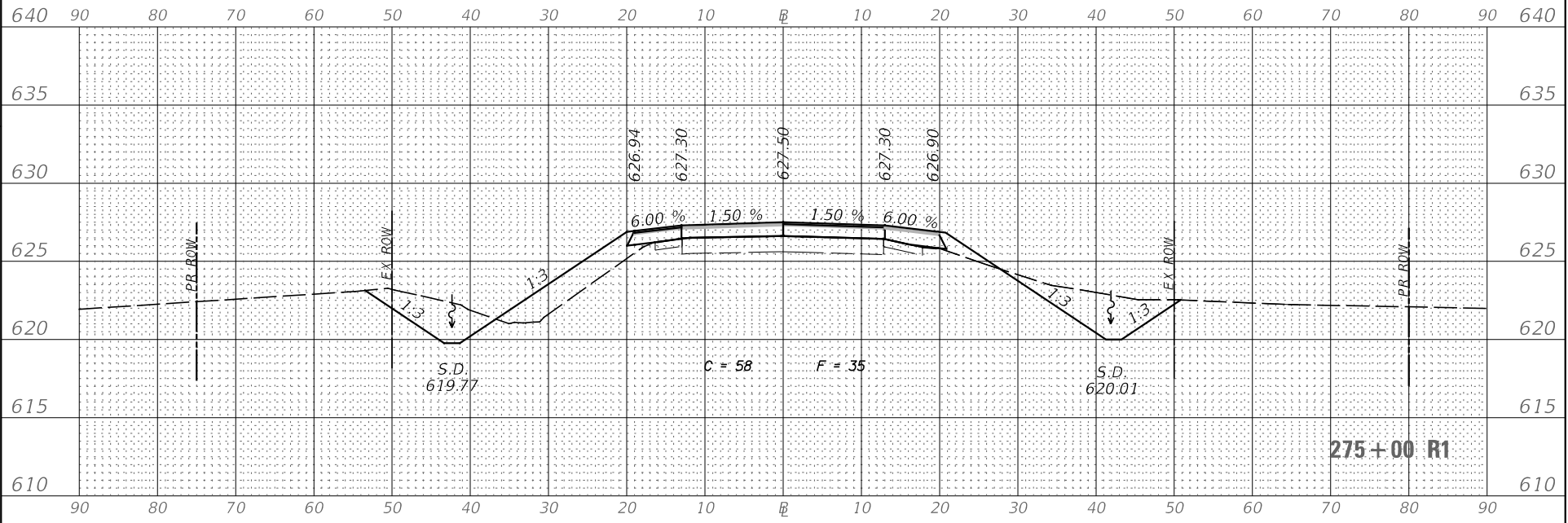
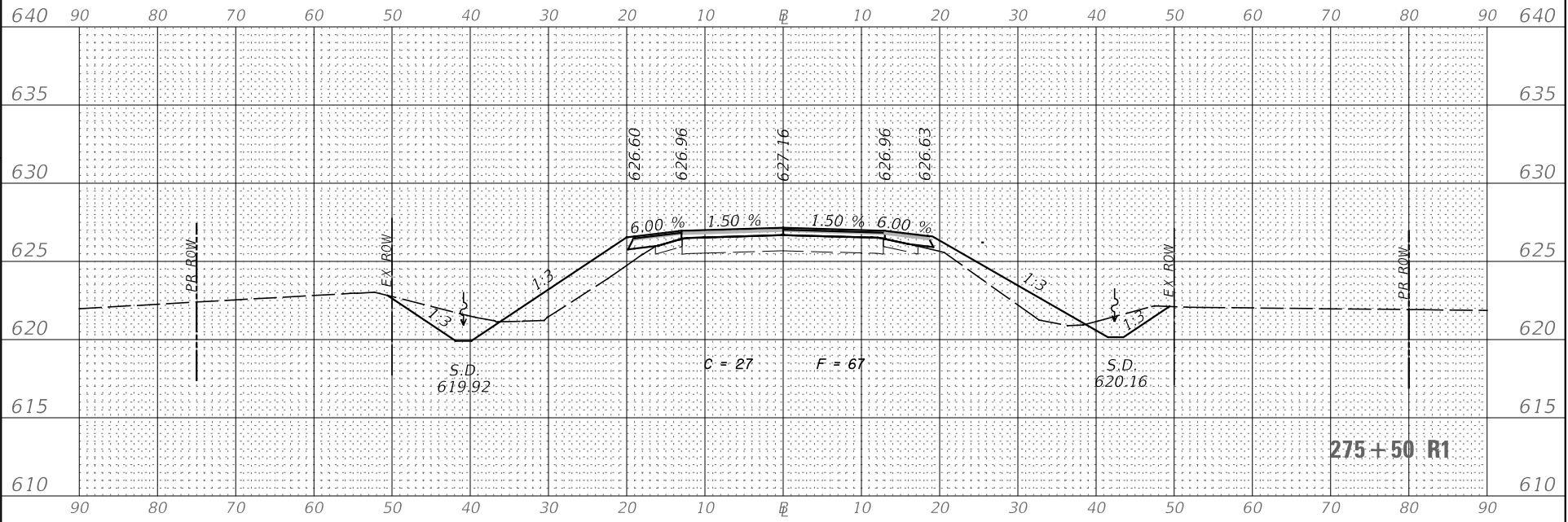
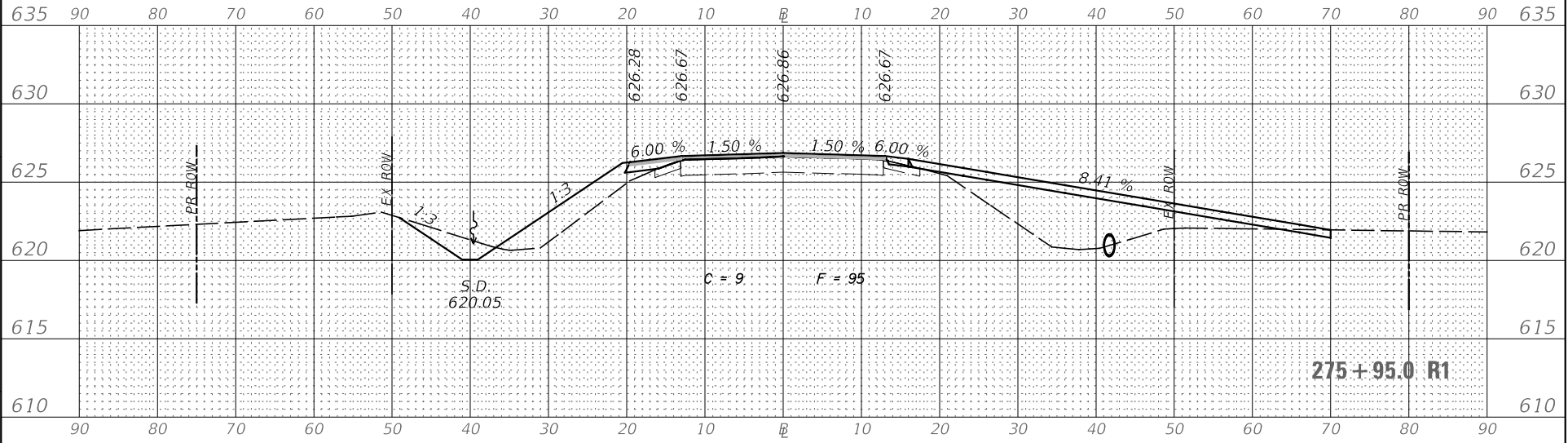
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: H=10 V=5
SHEET 4 OF 6 SHEETS STA. 274+50 R1 TO STA. 275+95 R1

FAP RTE. 332
SECTION 4 BR.
COUNTY IROQUOIS
CONTRACT NO. 66959
TOTAL SHEET NO. 62
SHEETS 60



ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

MODEL: IL1
 FILE NAME: V:\4389.01 IL 1 over PkCreek\CADD\CADD Drawings\0366959-xsc.dgn

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 Since 1945

USER NAME = L24HR
 PLOT SCALE = 240,000' = 1" / 4000'
 PLOT DATE = 8/13/2020

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

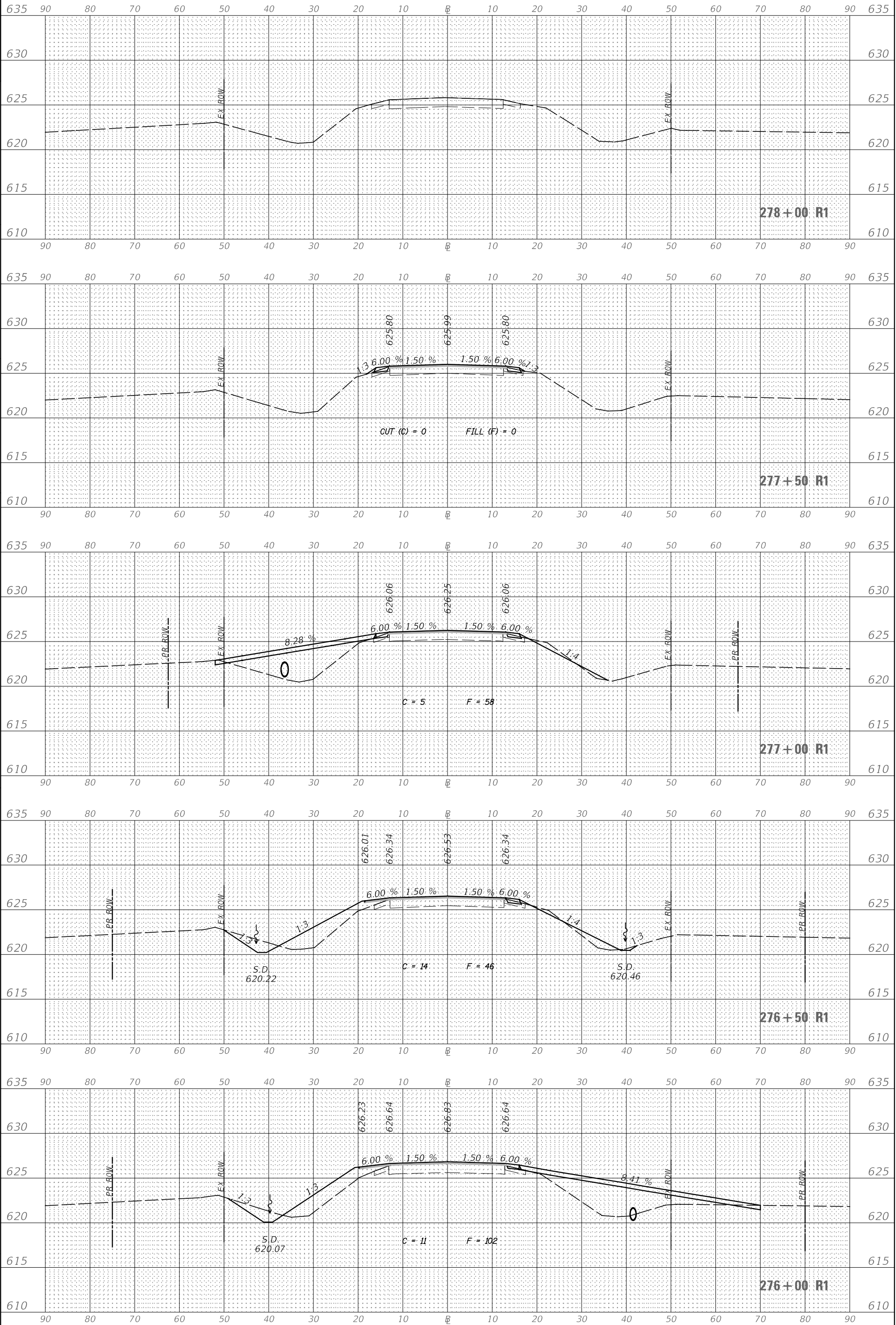
REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: H=10 V=5

SHEET 5 OF 6 SHEETS STA. 276+00 R1 TO STA. 278+00 R1
 FAP ROUTE 332 (IL RTE 1)
 CROSS SECTIONS

F.A.P. RTE. 332 SECTION 4 BR. COUNTY IROQUOIS CONTRACT NO. 66959
 TOTAL SHEET NO. 62 SHEETS 61
 ILLINOIS FED. AID PROJECT



ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

MODEL: IL1
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Hutchinson Engineering, Inc.
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 Since 1945

USER NAME = lzahf
 PLOT SCALE = 20.0000' = 1" / 40.0000'
 PLOT DATE = 8/13/2020

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: H=10 V=5
 SHEET 6 OF 6 SHEETS STA. 278+50 R1

FAP ROUTE 332 (IL RTE 1)
CROSS SECTIONS

F.A.P. RTE. 332
 SECTION 4 BR
 COUNTY IROQUOIS
 CONTRACT NO. 66959
 ILLINOIS FED. AID PROJECT

