

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	1
FAU 9832, FAS 1751	ILLINOIS	CONTRACT NO. 76K46		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FAU 9832 ADT
RIDGE AVE TO IL 127
2022 = 3700 (ESTIMATED)
SU = 2.2% MU = 2.5%

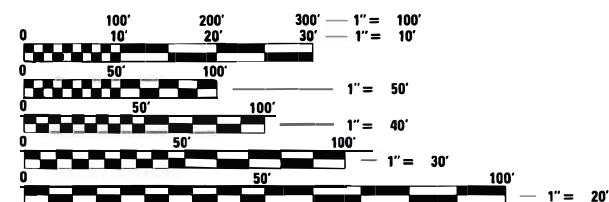
FUNCTIONAL CLASSIFICATION:
MINOR ARTERIAL

FAU 9832 / FAS 1751 ADT
IL 127 TO MAPLE ST
2022 = 2300 (ESTIMATED)
SU = 5.9% MU = 6.4%

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR

FAS 1751 ADT
MAPLE ST TO FAYETTE COUNTY LINE
2022 = 1900 (ESTIMATED)
SU = 3.8% MU = 3.8%

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: BILLIE OWEN (618) 346-3209
PROJECT MANAGER: BRANDON HUMPHREYS (618) 346-3413

CONTRACT NO. 76K46

PROPOSED HIGHWAY PLANS

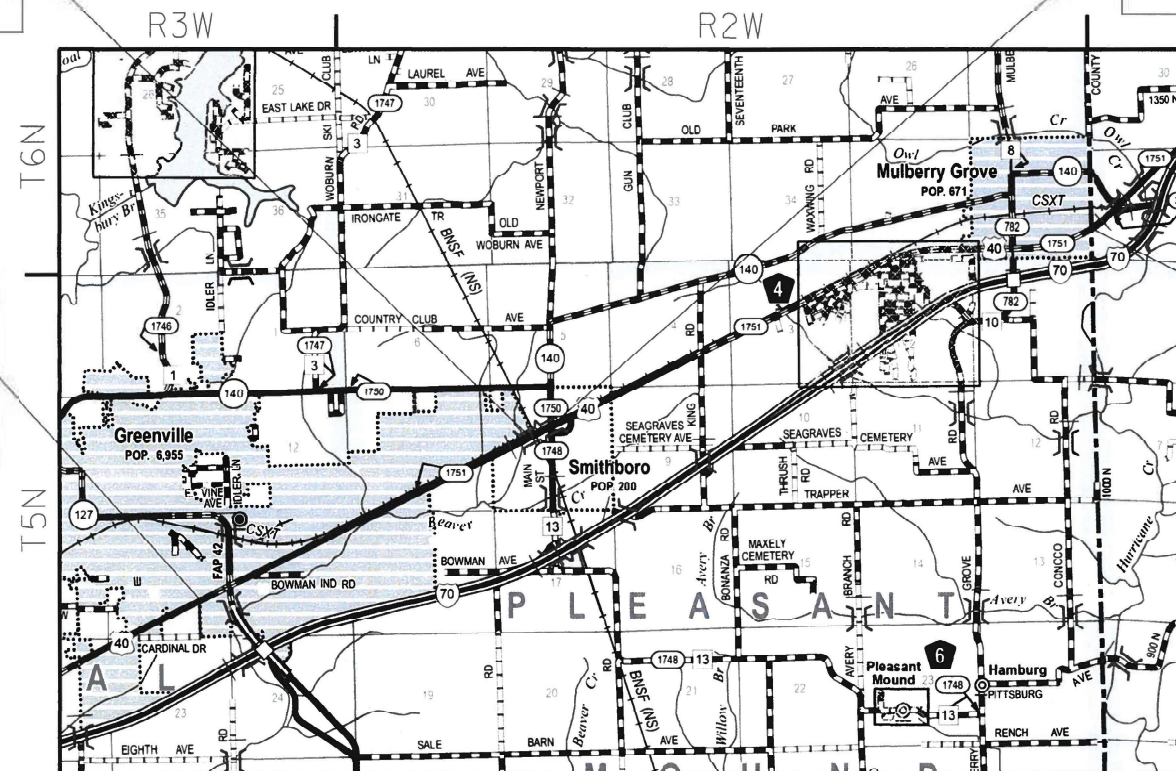
FAU ROUTE 9832 / FAS ROUTE 1751 (US 40)
SECTION (Q-1,X-1,F-1)RS-2, Q-1VBDR-1
PROJECT COVD-AY2F(888)
RESURFACING-DESIGNED OVERLAY,
ADA IMPROVEMENTS, &
BRIDGE DECK OVERLAY
BOND COUNTY

C-98-213-18

BRIDGE OVERLAY
US 40
S.N. 003-0018
STA. 2097 + 16 TO
STA. 2099 + 96

BEGIN PROJECT
US 40 AT
RIDGE AVENUE
STA. 1933 + 62
LAT: 38.87704 N
LONG: 89.39525 W

BRIDGE OVERLAY
US 40
S.N. 003-0019
STA. 2105 + 03 TO
STA. 2106 + 58



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 42,981 FT. = 8.140 MILE
NET LENGTH = 42,981 FT. = 8.140 MILE

D-98-068-17



END PROJECT
US 40 AT FAYETTE
COUNTY LINE
STA. 2363 + 43
LAT: 38.92079 N
LONG: 89.25680 W

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 11, 2022
K. H. B. REGIONAL ENGINEER

July 1, 2022 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2022 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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PERTINENT INFORMATION

THE CONTRACTOR SHALL BE AWARE THAT THE FOLLOWING PROJECT(S) WITHIN OR ADJACENT TO THE LIMITS OF THIS CONTRACT SECTION MAY BE UNDER CONSTRUCTION DURING CONSTRUCTION OPERATIONS FOR THIS CONTRACT:

- CONTRACT NO: 76P41, ROUTE FAS 779/FAU 9832 (US 40), SECTION (36-2)RS-4, BOND COUNTY

GENERAL NOTES

1. THE UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN ILLINOIS

- AT&T ILLINOIS

- BOND MADISON WATER COMPANY

- CLEARWAVE COMMUNICATIONS

- DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

- FRONTIER COMMUNICATIONS

- CITY OF GREENVILLE

- ILLINOIS NETWORK ALLIANCE

- MISSOURI NETWORK ALLIANCE

- VILLAGE OF MULBERRY GROVE

- NEWWAVE COMMUNICATIONS

- PEG BANDWIDTH IL, LLC

- ROYAL LAKES PUBLIC WATER DISTRICT

- VILLAGE OF SMITHBORO

- SOUTHWESTERN ELECTRIC COOPERATIVE, INC.
2. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
3. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED WITHIN THE CITY LIMITS OF GREENVILLE, SMITHBORO, AND MULBERRY GROVE. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 & 407 OF THE STANDARD SPECIFICATIONS.
4. THE TEMPORARY RAMPS USED ON ALL SIDE STREETS AND ENTRANCES SHALL BE 1.50 FEET IN LENGTH SO AS NOT TO INTERFERE WITH THE THRU TRAFFIC LANES.
5. IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
7. ALL REMOVED GUARDRAIL COMPONENTS ARE THE PROPERTY OF THE CONTRACTOR AND THE SALVAGE VALUE OF SAID COMPONENTS SHALL BE REFLECTED IN THE CONTRACTOR'S BID.
8. THE MATERIAL TRANSFER DEVICE (MTD) MAY OPERATE IN AN UNLOADED CONDITION WITH A MAXIMUM GROSS WEIGHT OF 39 TONS ON SN 003-2007, AND A MAXIMUM GROSS WEIGHT OF 40 TONS ON SN 003-2433, SN 003-2007, SN 003-2434, SN 003-2435, SN 003-0018, SN 003-0019, AND SN 003-2436. IF THE SAME MTD IS USED THROUGHOUT THE CONTRACT, IT MUST BE LIMITED TO AN EMPTY GROSS WEIGHT OF LESS THAN OR EQUAL TO 39 TONS.
9. THE BRIDGE HMA IS CALCULATED BASED ON 1-1/4 INCHES, EXCLUDING 3/4 INCHES FOR WATERPROOFING MEMBRANE SYSTEM.
10. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	BINDER	SHOULDERS (LOWER)	SHOULDERS (SURFACE)	BD OVERLAY POLY SURFACE
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	SBS PG 76-22
RAP %(MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=30	4.0% @ Ndes=30	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 19.0L	IL 9.5L	IL 9.5FG
FRICTION AGG	MIXTURE "C"	MIXTURE "B"			MIXTURE "D"
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA	QC/QA	QC/QA
MATERIAL TRANSFER DEVICE REQUIRED	YES	YES	NO	NO	NO

PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LBS/SQ YD/IN

COMMITMENTS

NONE

REV. - MS

	USER NAME = hu mth sysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, PERTINENT INFORMATION, GENERAL NOTES, AND COMMITMENTS				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						**	{Q-1,X-1,F-1}RS-2, Q-1VBDR-1	BOND	113	2
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -						**FAU 9832, FAS 1751	CONTRACT NO. 76K46			
	PLOT DATE = 6/21/2022	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				FEDERAL 100%	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%
						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	195		195		
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	811	426	385		
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.25	0.50		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68	11	57		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68	11	57		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68	11	57		
25100115	MULCH, METHOD 2	ACRE	0.75	0.25	0.50		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	142	9	133		
28000305	TEMPORARY DITCH CHECKS	FOOT	24	9	15		
28000400	PERIMETER EROSION BARRIER	FOOT	956	363	593		
28000500	INLET AND PIPE PROTECTION	EACH	4	2	2		
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	496	164	332		
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	40		40		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	78976	43251	35725		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	48395	27005	21390		
40600990	TEMPORARY RAMP	SQ YD	946	679	267		

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	3
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 1	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
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						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
40603085	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TON	14660	7981	6679		
40604052	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "C", N70	TON	9805	5357	4448		
40604112	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5FG, MIX "D", N70	TON	110			71	39
☐ 42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	256	256			
☐ 42400800	DETECTABLE WARNINGS	SQ FT	43	43			
44000100	PAVEMENT REMOVAL	SQ YD	2275	956	1319		
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	117103	64486	52617		
44000400	GUTTER REMOVAL	FOOT	7420	1406	6014		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2687	2016	671		
☐ 44000600	SIDEWALK REMOVAL	SQ FT	187	187			
☐ 44003100	MEDIAN REMOVAL	SQ FT	260	260			
44004250	PAVED SHOULDER REMOVAL	SQ YD	1324	1324			
44201415	CLASS C PATCHES, TYPE II, 15 INCH	SQ YD	764	646	118		
44201419	CLASS C PATCHES, TYPE III, 15 INCH	SQ YD	212	212			
44201421	CLASS C PATCHES, TYPE IV, 15 INCH	SQ YD	65	65			
44201437	CLASS C PATCHES, TYPE II, 17 INCH	SQ YD	557	103	454		

☐ FEDERAL 100% - SAFETY - 0021 - URBAN

REV. - MS

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	**						(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	4	
	PLOT SCALE = 100.0000 " / in.	CHECKED -	REVISED -		SCALE:				SHEET 2 OF 8 SHEETS STA. TO STA.				
	PLOT DATE = 5/13/2022	DATE -	REVISED -						**FAU 9832, FAS 1751 CONTRACT NO. 76K46				
									ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				FEDERAL 100%	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%
						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
44201439	CLASS C PATCHES, TYPE III, 17 INCH	SQ YD	284	39	245		
44201445	CLASS C PATCHES, TYPE II, 18 INCH	SQ YD	20	20			
44201449	CLASS C PATCHES, TYPE IV, 18 INCH	SQ YD	65	65			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2337	1253	1084		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	34748	18943	15805		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	260	260			
50102400	CONCRETE REMOVAL	CU YD	25.2			12.1	13.1
50105220	PIPE CULVERT REMOVAL	FOOT	82		82		
50300225	CONCRETE STRUCTURES	CU YD	9.8			4.4	5.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	15.4			7.7	7.7
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3740			1740	2000
50800515	BAR SPLICERS	EACH	72			36	36
52000110	PREFORMED JOINT STRIP SEAL	FOOT	143			68	75
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	1478			961	517
59000200	EPOXY CRACK INJECTION	FOOT	10			5	5
60260100	INLETS TO BE ADJUSTED	EACH	4			2	2

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	5
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 3	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
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						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
60500060	REMOVING INLETS	EACH	3		3		
60602800	CONCRETE GUTTER, TYPE B	FOOT	3183		3183		
☐ 60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	80.0	80.0			
☐ 60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	273	273			
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	4338	4338			
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	8	8			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4			
63200310	GUARDRAIL REMOVAL	FOOT	4789	4789			
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	80112	45405	34706		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4	4			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6	6		
67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25

* SPECIALTY ITEM

☐ FEDERAL 100% - SAFETY - 0021 - URBAN

REV. - MS

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 4	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				FEDERAL 100%	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%
						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2			1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5	0.5		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.5	0.5		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.5	0.5		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.5	0.5		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	30	30		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2			1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	12			6	6
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	6597	6597			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5652	2544	3108		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4090	3050	1040		
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	436.8	436.8			
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	99057	60550	38507		
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	10510		10510		
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	224		224		
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	469	370	99		

REV. - MS

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	7
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 5	OF 8	SHEETS	STA.	TO STA.			
										ILLINOIS	FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				FEDERAL 100%	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%
						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	269	165	104		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	510	510			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1530	1530			
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2			1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6			3	3
* 72000100	SIGN PANEL - TYPE 1	SQ FT	95	9	83	☐ 3	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6		6		
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2		2		
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	7	7			
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	29	16	13		
* 73000100	WOOD SIGN SUPPORT	FOOT	145		145		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	436.8	436.8			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	99057	60550	38507		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10510		10510		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	224		224		

☐ FEDERAL 100% - SAFETY - 0021 - URBAN

* SPECIALTY ITEM

REV. - MS

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	8
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 6	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%
						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	469	370	99		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	269	165	104		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	947	510	437		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	38	38			
* 78200020	CURB REFLECTORS	EACH	14	14			
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	947	510	437	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	79748	42650	37098	
☐ * 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4	4			
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1711	1711			
☐ * 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	12	12			
	X0320882	GUTTERS TO BE CLEANED	FOOT	100			100
	X0900065	REPLACE JOINT FILLER	FOOT	111		56	55
	X1200030	FILLING INLETS, TEMPORARY	EACH	4		2	2
	X4403700	MEDIAN REMOVAL (SPECIAL)	SQ FT	357	357		
* X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1			1	
* X5060602	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1				1

* SPECIALTY ITEM ☐ FEDERAL 100% - SAFETY - 0021 - URBAN

REV. - MS

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	9
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 7	OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%	FEDERAL 100%
						003-0018	003-0019
				ROADWAY	ROADWAY	BRIDGE	BRIDGE
				0005	0005	0047	0047
				URBAN	RURAL	URBAN	URBAN
X7200200	WIDE LOAD SIGNING	L SUM	1			0.5	0.5
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	52	52			
☐ * X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4	4			
* Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1			1	
* Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1				1
Z0010615	CLEANING EXISTING INLETS	EACH	2			1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.2	0.4	☐ 0.4	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	30			20	10
Z0034105	MATERIAL TRANSFER DEVICE	TON	24292	13165	11127		
Z0042200	PORTLAND CEMENT CONCRETE PAVEMENT SURFACE REMOVAL	SQ YD	252		252		
Ø Z0076600	TRAINEES	HOUR	2000	2000			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1			1	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2000	2000			

* SPECIALTY ITEM

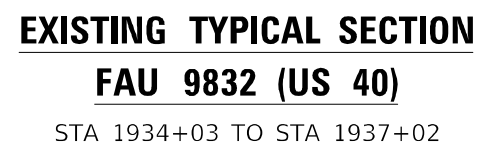
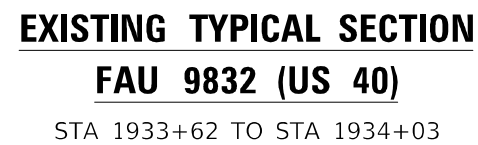
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☐ FEDERAL 100% - SAFETY - 0021 - URBAN

☐ FEDERAL 100% - SAFETY - 0021 - URBAN

REV. - MS

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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										ILLINOIS			FED. AID PROJECT

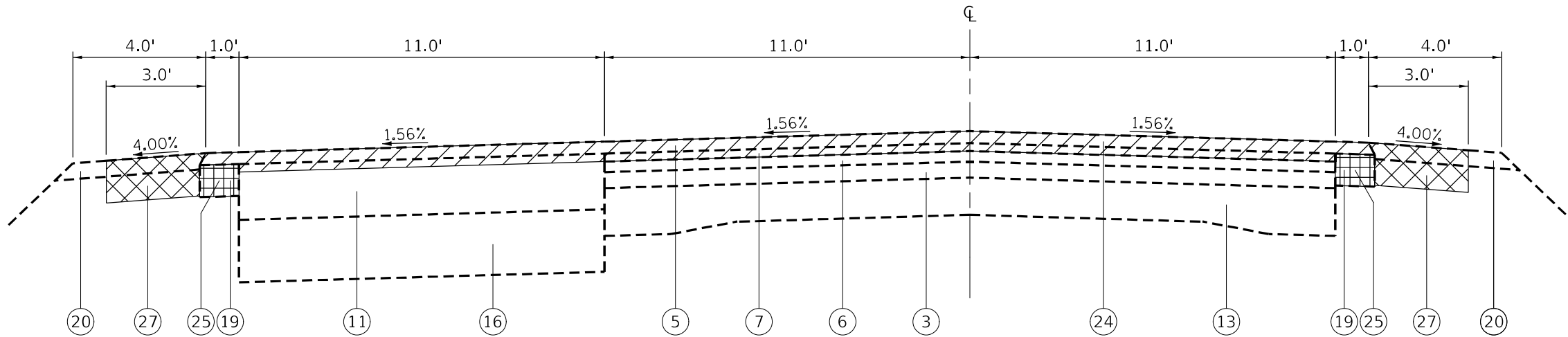


- (12) EXISTING BITUMINOUS LEVELING BINDER, VARIES
2" TO 10"
- (13) EXISTING P.C.C. PAVEMENT, 9"-7"-9"
- (14) EXISTING CONCRETE DECK SLAB, 7 1/2"
- (15) EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"
- (16) EXISTING LIME MODIFIED SOIL, 11 3/4"
- (17) EXISTING LIME MODIFIED SOIL, 10"
- (18) EXISTING HOT-MIX ASPHALT SHOULDER, 8"
- (19) EXISTING HOT-MIX ASPHALT SHOULDER, 6"
- (20) EXISTING AGGREGATE SHOULDERS, TYPE B
- (21) EXISTING CONCRETE COMBINATION CURB &
GUTTER, TYPE B

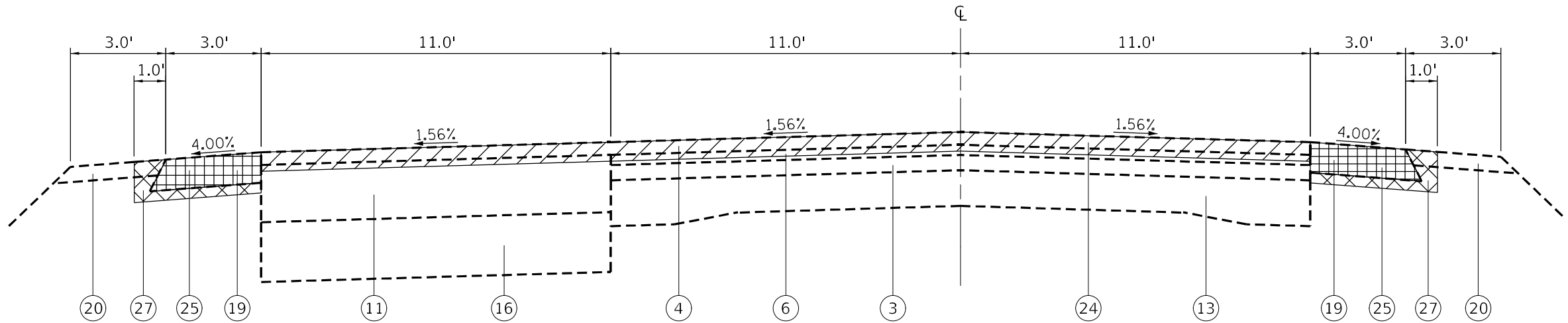
- | | | | |
|---|-------------------------------|---|----------------------------------|
|  | HMA SURFACE
COURSE REMOVAL |  | PAVEMENT
REMOVAL |
|  | PAVED SHOULDER
REMOVAL |  | CURB & GUTTER/
GUTTER REMOVAL |
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
 - 32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
 - 33 PROPOSED GRANULAR MATERIAL, TYPE C
 - 34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
 - 35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
 - 36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
 - 37 PROPOSED CONCRETE GUTTER, TYPE B
 - 38 PROPOSED TACK COAT
 - 39 PROPOSED LONGITUDINAL JOINT SEALANT
 - 40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						** (Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	11	
PLOT SCALE = 46,0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET 1	OF 15 SHEETS	STA. 1933+62	TO STA. 1937+02	CONTRACT NO. 76K46			
PLOT DATE = 5/13/2022	DATE -	REVISED -						**FAU 9832, FAS 1751	ILLINOIS	FED. AID PROJECT		

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EXISTING TYPICAL SECTION
FAU 9832 (US 40)
STA 1937+02 TO STA 1941+02



EXISTING TYPICAL SECTION
FAU 9832 (US 40)
STA 1941+02 TO STA 1943+35

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"

12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B

22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"

31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

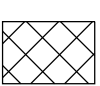
36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

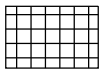
40 PROPOSED WATERPROOFING MEMBRANE SYSTEM



EXCAVATING AND GRADING EXISTING SHOULDER



HMA SURFACE COURSE REMOVAL



PAVED SHOULDER REMOVAL



PAVEMENT REMOVAL



CURB & GUTTER/GUTTER REMOVAL

MODEL Default
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	DRAWN -	REVISED -
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PLOT DATE = 5/13/2022	DATE -	REVISED -

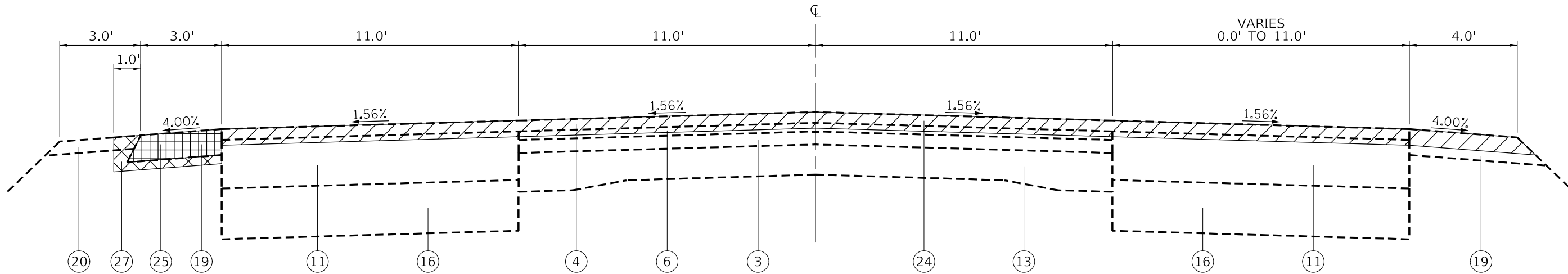
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

SCALE: SHEET 2 OF 15 SHEETS STA. 1937+02 TO STA. 1943+35

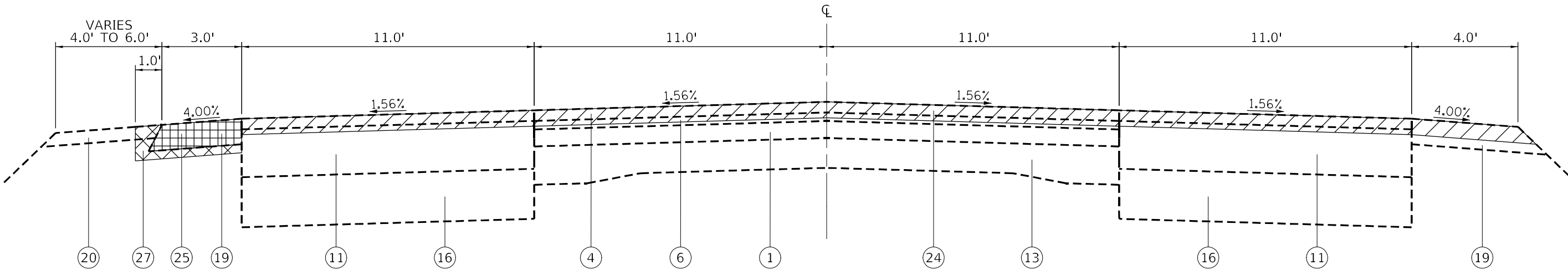
**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	12
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	

Model: Default
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EXISTING TYPICAL SECTION
FAU 9832 (US 40)

STA 1943+35 TO STA 1945+75



EXISTING TYPICAL SECTION
FAU 9832 (US 40)

STA 1945+75 TO STA 1948+02

LEGEND

- ① EXISTING BITUMINOUS SURFACE COURSE, 4"

② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

③ EXISTING BITUMINOUS SURFACE COURSE, 3"

④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

⑥ EXISTING BITUMINOUS SURFACE COURSE, 2"

⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2"

⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4"
- ⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9"

⑭ EXISTING CONCRETE DECK SLAB, 7 1/2"

⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

⑯ EXISTING LIME MODIFIED SOIL, 11 3/4"

⑰ EXISTING LIME MODIFIED SOIL, 10"

⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8"

⑲ EXISTING HOT-MIX ASPHALT SHOULDER, 6"

⑳ EXISTING AGGREGATE SHOULDERS, TYPE B

㉑ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
- ㉒ EXISTING CONCRETE GUTTER, TYPE B

㉓ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

㉕ PROPOSED PAVED SHOULDER REMOVAL

㉖ PROPOSED PAVEMENT REMOVAL

㉗ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

㉘ PROPOSED COMBINATION CURB AND GUTTER REMOVAL

㉙ PROPOSED GUTTER REMOVAL

㉚ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- ㉛ HMA SURFACE COURSE REMOVAL

㉜ PAVED SHOULDER REMOVAL

㉝ EXCAVATING AND GRADING EXISTING SHOULDER

㉞ PAVEMENT REMOVAL

㉟ CURB & GUTTER/ GUTTER REMOVAL

㊱ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

㊲ PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

㊳ PROPOSED GRANULAR MATERIAL, TYPE C

㊴ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

㊵ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

㊶ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

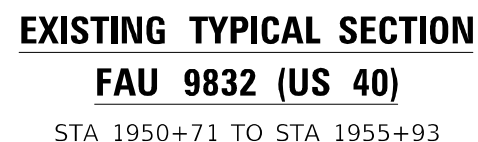
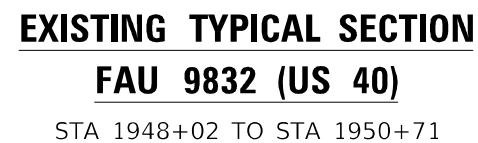
㊷ PROPOSED CONCRETE GUTTER, TYPE B

㊸ PROPOSED TACK COAT

㊹ PROPOSED LONGITUDINAL JOINT SEALANT

㊺ PROPOSED WATERPROOFING MEMBRANE SYSTEM

USER NAME = humphreysb			DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS					**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -			REVISD -	REVISD -							**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	13
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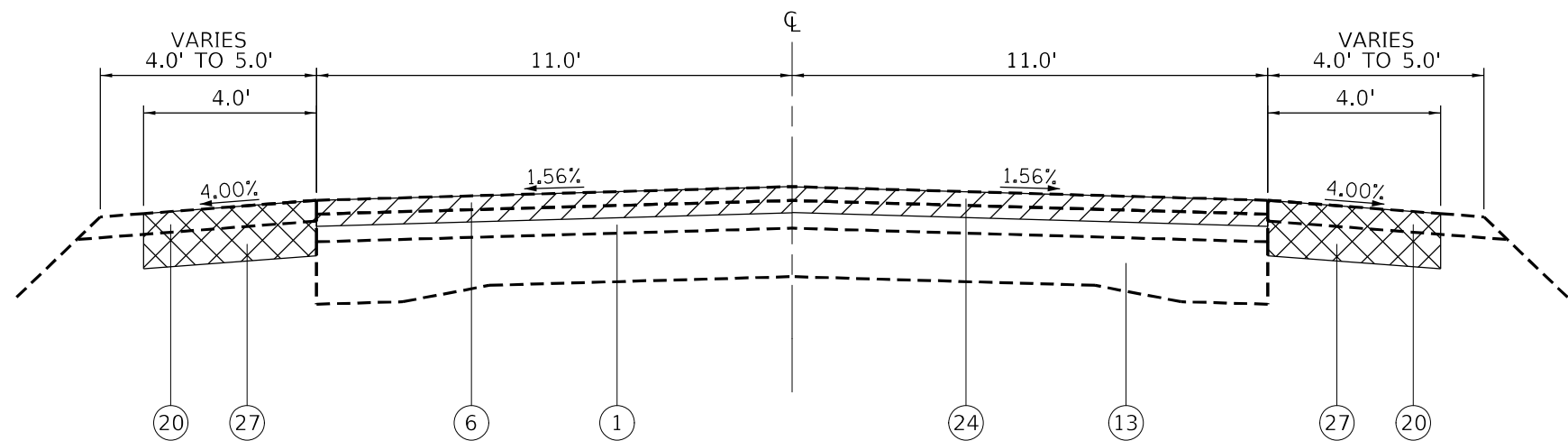


① EXISTING BITUMINOUS SURFACE COURSE, 4"	⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"
② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9"
③ EXISTING BITUMINOUS SURFACE COURSE, 3"	⑭ EXISTING CONCRETE DECK SLAB, 7 1/2"
④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"
⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	⑯ EXISTING LIME MODIFIED SOIL, 11 3/4"
⑥ EXISTING BITUMINOUS SURFACE COURSE, 2"	⑰ EXISTING LIME MODIFIED SOIL, 10"
⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"	⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8"
⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"	⑲ EXISTING HOT-MIX ASPHALT SHOULDER, 6"
⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2"	⑳ EXISTING AGGREGATE SHOULDERS, TYPE B
⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	㉑ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4"	

- (22) EXISTING CONCRETE GUTTER, TYPE B
- (23) EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER
- (24) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- (25) PROPOSED PAVED SHOULDER REMOVAL
- (26) PROPOSED PAVEMENT REMOVAL
- (27) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
- (28) PROPOSED COMBINATION CURB AND GUTTER REMOVAL
- (29) PROPOSED GUTTER REMOVAL
- (30) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"

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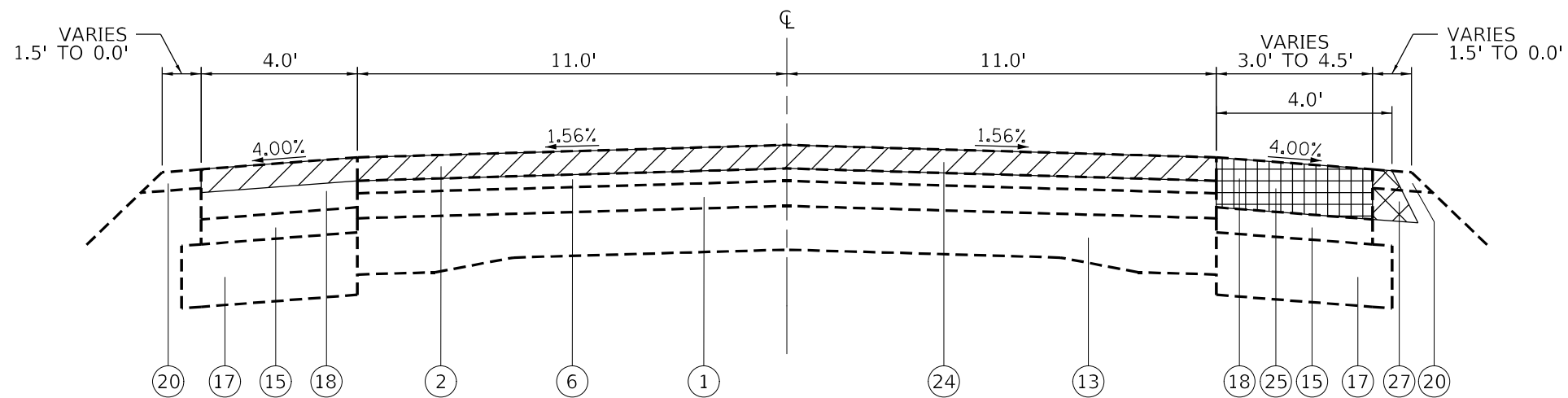
USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					** (Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	14	
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		SCALE:	SHEET 4	OF 15 SHEETS	STA. 1948+02 TO STA. 1955+93	**FAU 9832, FAS 1751			
PLOT DATE = 5/13/2022	DATE -	REVISED -		ILLINOIS FED. AID PROJECT CONTRACT NO. 76K46							



EXISTING TYPICAL SECTION

FAU 9832 (US 40)

STA 1955+93 TO STA 1985+09



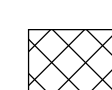
EXISTING TYPICAL SECTION

FAU 9832 (US 40)

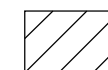
STA 1985+09 TO STA 1986+09

LEGEND

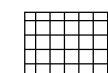
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|--|---|---|--|
| ① EXISTING BITUMINOUS SURFACE COURSE, 4" | ⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" | ⑳ EXISTING AGGREGATE SHOULDERS, TYPE B | ③① PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4" |
| ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" | ⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9" | ㉑ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B | ③② PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4" |
| ③ EXISTING BITUMINOUS SURFACE COURSE, 3" | ⑭ EXISTING CONCRETE DECK SLAB, 7 1/2" | ㉒ EXISTING CONCRETE GUTTER, TYPE B | ③③ PROPOSED GRANULAR MATERIAL, TYPE C |
| ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | ⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" | ㉓ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER | ③④ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" | ⑯ EXISTING LIME MODIFIED SOIL, 11 3/4" | ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" | ③⑤ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4" |
| ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" | ⑰ EXISTING LIME MODIFIED SOIL, 10" | ㉕ PROPOSED PAVED SHOULDER REMOVAL | ③⑥ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B |
| ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" | ⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8" | ㉖ PROPOSED PAVEMENT REMOVAL | ③⑦ PROPOSED CONCRETE GUTTER, TYPE B |
| ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" | ㉒ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ㉗ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER | ③⑧ PROPOSED TACK COAT |
| ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" | ㉓ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ㉘ PROPOSED COMBINATION CURB AND GUTTER REMOVAL | ③⑨ PROPOSED LONGITUDINAL JOINT SEALANT |
| ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" | ㉔ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ㉙ PROPOSED GUTTER REMOVAL | ④① PROPOSED WATERPROOFING MEMBRANE SYSTEM |
| ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4" | ㉕ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ㉚ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" | |



EXCAVATING AND GRADING EXISTING SHOULDER



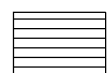
HMA SURFACE COURSE REMOVAL



PAVED SHOULDER REMOVAL



PAVEMENT REMOVAL



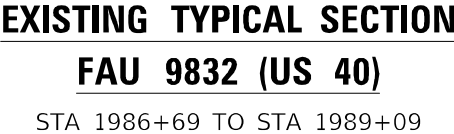
CURB & GUTTER/GUTTER REMOVAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

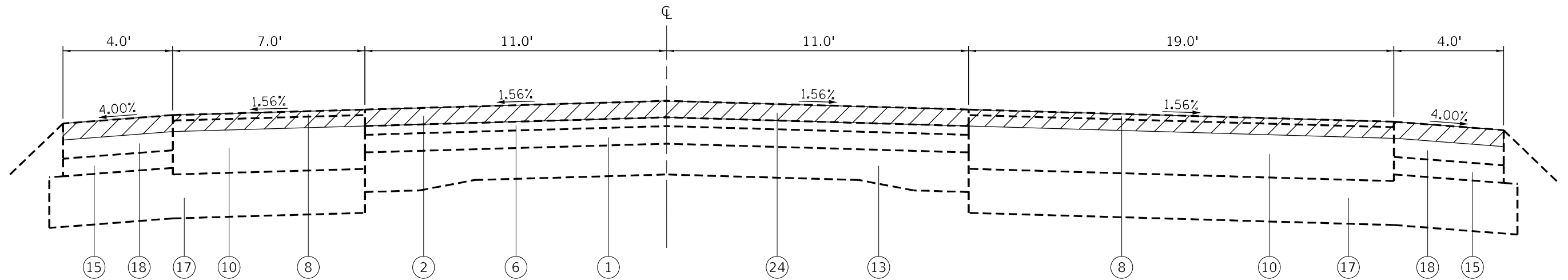
SCALE: SHEET 5 OF 15 SHEETS STA. 1955+93 TO STA. 1986+09

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	15
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS FED. AID PROJECT		



① EXISTING BITUMINOUS SURFACE COURSE, 4" ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" ③ EXISTING BITUMINOUS SURFACE COURSE, 3" ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4"	⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" ⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9" ⑭ EXISTING CONCRETE DECK SLAB, 7 1/2" ⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" ⑯ EXISTING LIME MODIFIED SOIL, 11 3/4" ⑰ EXISTING LIME MODIFIED SOIL, 10" ⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8" ⑲ EXISTING HOT-MIX ASPHALT SHOULDER, 6" ⑳ EXISTING AGGREGATE SHOULDERS, TYPE B ㉑ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B	㉒ EXISTING CONCRETE GUTTER, TYPE B ㉓ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER ㉔ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" ㉕ PROPOSED PAVED SHOULDER REMOVAL ㉖ PROPOSED PAVEMENT REMOVAL ㉗ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER ㉘ PROPOSED COMBINATION CURB AND GUTTER REMOVAL ㉙ PROPOSED GUTTER REMOVAL ㉚ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"	㉛ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4" ㉜ PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4" ㉝ PROPOSED GRANULAR MATERIAL, TYPE C ㉞ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" ㉟ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4" ㊱ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊲ PROPOSED CONCRETE GUTTER, TYPE B ㊳ PROPOSED TACK COAT ㊴ PROPOSED LONGITUDINAL JOINT SEALANT ㊵ PROPOSED WATERPROOFING MEMBRANE SYSTEM
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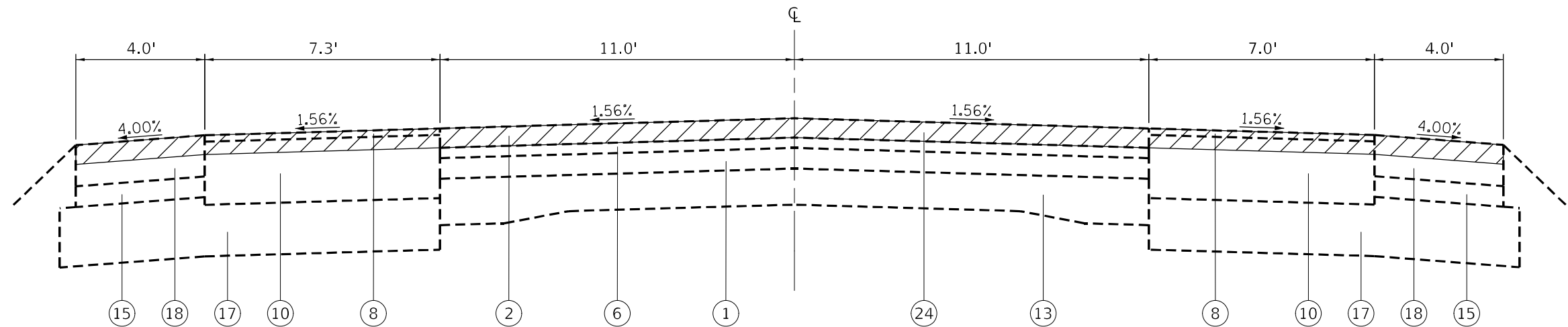
	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS				**FA, RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED -						**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	16			
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		SCALE:				SHEET 6 OF 15 SHEETS		STA. 1986+09 TO STA. 1989+09			**FAU 9832, FAS 1751	CONTRACT NO. 76K46	
	PLOT DATE = 5/13/2022	DATE -	REVISED -											ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION

FAU 9832 (US 40)

STA 1989+09 TO STA 1992+13



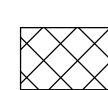
EXISTING TYPICAL SECTION

FAU 9832 (US 40)

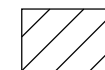
STA 1992+13 TO STA 1997+15

LEGEND

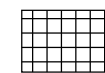
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|--|---|---|--|
| ① EXISTING BITUMINOUS SURFACE COURSE, 4" | ⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" | ⑳ EXISTING CONCRETE GUTTER, TYPE B | ③① PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4" |
| ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" | ⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9" | ㉑ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER | ③② PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4" |
| ③ EXISTING BITUMINOUS SURFACE COURSE, 3" | ⑭ EXISTING CONCRETE DECK SLAB, 7 1/2" | ㉒ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" | ③③ PROPOSED GRANULAR MATERIAL, TYPE C |
| ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | ⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" | ㉓ PROPOSED PAVED SHOULDER REMOVAL | ③④ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" | ⑯ EXISTING LIME MODIFIED SOIL, 11 3/4" | ㉔ PROPOSED PAVEMENT REMOVAL | ③⑤ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4" |
| ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" | ⑰ EXISTING LIME MODIFIED SOIL, 10" | ㉕ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER | ③⑥ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B |
| ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" | ⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8" | ㉖ PROPOSED COMBINATION CURB AND GUTTER REMOVAL | ③⑦ PROPOSED CONCRETE GUTTER, TYPE B |
| ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" | ㉒ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ㉗ PROPOSED GUTTER REMOVAL | ③⑧ PROPOSED TACK COAT |
| ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" | ㉓ EXISTING AGGREGATE SHOULDERS, TYPE B | ㉘ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" | ③⑨ PROPOSED LONGITUDINAL JOINT SEALANT |
| ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" | ㉔ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B | | ④① PROPOSED WATERPROOFING MEMBRANE SYSTEM |
| ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4" | | | |



EXCAVATING AND
GRADING EXISTING
SHOULDER



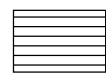
HMA SURFACE
COURSE REMOVAL



PAVED SHOULDER
REMOVAL



PAVEMENT
REMOVAL



CURB & GUTTER/
GUTTER REMOVAL

USER NAME = humphreysb	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 5/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

SCALE: SHEET 7 OF 15 SHEETS STA. 1989+09 TO STA. 1997+15

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	17
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		



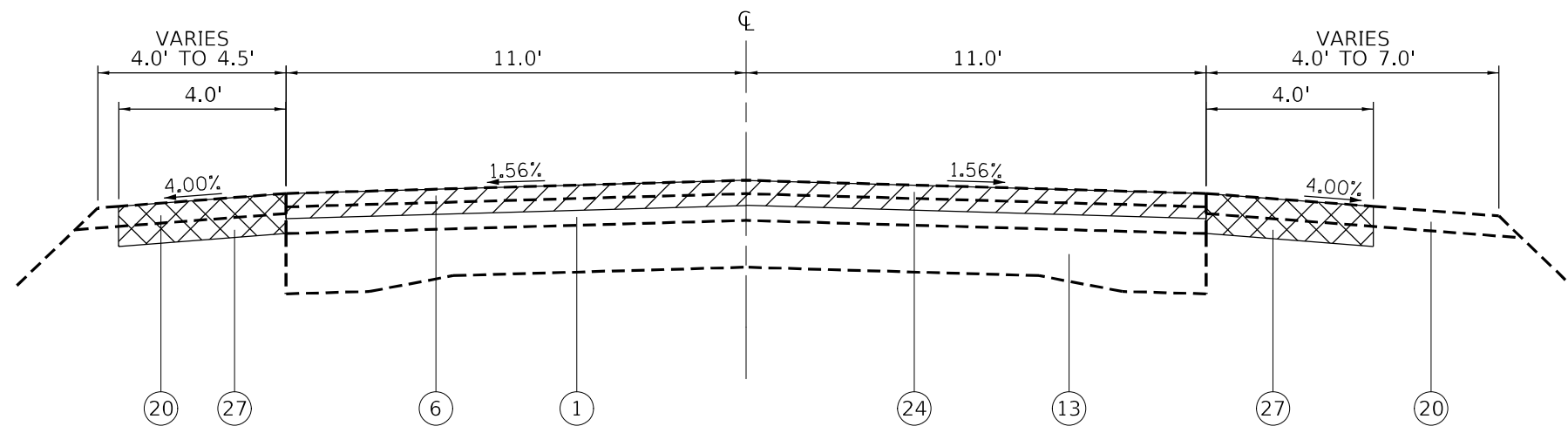
- ① EXISTING BITUMINOUS SURFACE COURSE, 4"
- ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"
- ③ EXISTING BITUMINOUS SURFACE COURSE, 3"
- ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"
- ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2"
- ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"
- ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"
- ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2"
- ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4"
- ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4"

- (12) EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"
- (13) EXISTING P.C.C. PAVEMENT, 9"-7"-9"
- (14) EXISTING CONCRETE DECK SLAB, 7 1/2"
- (15) EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"
- (16) EXISTING LIME MODIFIED SOIL, 11 3/4"
- (17) EXISTING LIME MODIFIED SOIL, 10"
- (18) EXISTING HOT-MIX ASPHALT SHOULDER, 8"
- (19) EXISTING HOT-MIX ASPHALT SHOULDER, 6"
- (20) EXISTING AGGREGATE SHOULDERS, TYPE B
- (21) EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B

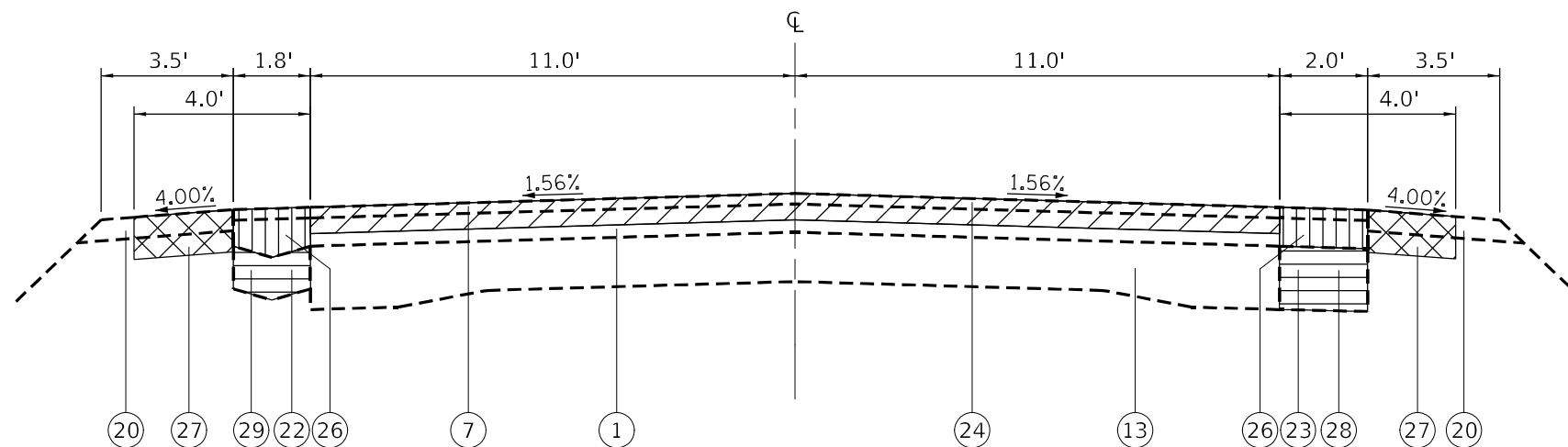
- (22) EXISTING CONCRETE GUTTER, TYPE B
- (23) EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER
- (24) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- (25) PROPOSED PAVED SHOULDER REMOVAL
- (26) PROPOSED PAVEMENT REMOVAL
- (27) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
- (28) PROPOSED COMBINATION CURB AND GUTTER REMOVAL
- (29) PROPOSED GUTTER REMOVAL
- (30) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"

- | | | | |
|---|-------------------------------|---|----------------------------------|
|  | HMA SURFACE
COURSE REMOVAL |  | PAVEMENT
REMOVAL |
|  | PAVED SHOULDER
REMOVAL |  | CURB & GUTTER/
GUTTER REMOVAL |
- 31) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
 - 32) PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
 - 33) PROPOSED GRANULAR MATERIAL, TYPE C
 - 34) PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
 - 35) PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
 - 36) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
 - 37) PROPOSED CONCRETE GUTTER, TYPE B
 - 38) PROPOSED TACK COAT
 - 39) PROPOSED LONGITUDINAL JOINT SEALANT
 - 40) PROPOSED WATERPROOFING MEMBRANE SYSTEM

MODEL: Design FILE NAME: 000



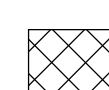
EXISTING TYPICAL SECTION
FAS 1751 (US 40)
STA 2001+15 TO STA 2086+00



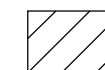
EXISTING TYPICAL SECTION
FAS 1751 (US 40)
STA 2086+00 TO STA 2094+41
STA 2099+96 TO STA 2102+28

LEGEND

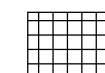
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|--|---|--|--|
| ① EXISTING BITUMINOUS SURFACE COURSE, 4" | ⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" | ②② EXISTING CONCRETE GUTTER, TYPE B | ③① PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4" |
| ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" | ⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9" | ②③ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER | ③② PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4" |
| ③ EXISTING BITUMINOUS SURFACE COURSE, 3" | ⑭ EXISTING CONCRETE DECK SLAB, 7 1/2" | ②④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" | ③③ PROPOSED GRANULAR MATERIAL, TYPE C |
| ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | ⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" | ②⑤ PROPOSED PAVED SHOULDER REMOVAL | ③④ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" | ⑯ EXISTING LIME MODIFIED SOIL, 11 3/4" | ②⑥ PROPOSED PAVEMENT REMOVAL | ③⑤ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4" |
| ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" | ⑰ EXISTING LIME MODIFIED SOIL, 10" | ②⑦ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER | ③⑥ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B |
| ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" | ⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8" | ②⑧ PROPOSED COMBINATION CURB AND GUTTER REMOVAL | ③⑦ PROPOSED CONCRETE GUTTER, TYPE B |
| ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" | ⑲ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ②⑨ PROPOSED GUTTER REMOVAL | ③⑧ PROPOSED TACK COAT |
| ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" | ⑳ EXISTING AGGREGATE SHOULDERS, TYPE B | ③⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" | ③⑨ PROPOSED LONGITUDINAL JOINT SEALANT |
| ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" | ㉑ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B | | ④① PROPOSED WATERPROOFING MEMBRANE SYSTEM |
| ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4" | | | |



EXCAVATING AND
GRADING EXISTING
SHOULDER



HMA SURFACE
COURSE REMOVAL



PAVED SHOULDER
REMOVAL



PAVEMENT
REMOVAL



CURB & GUTTER/
GUTTER REMOVAL

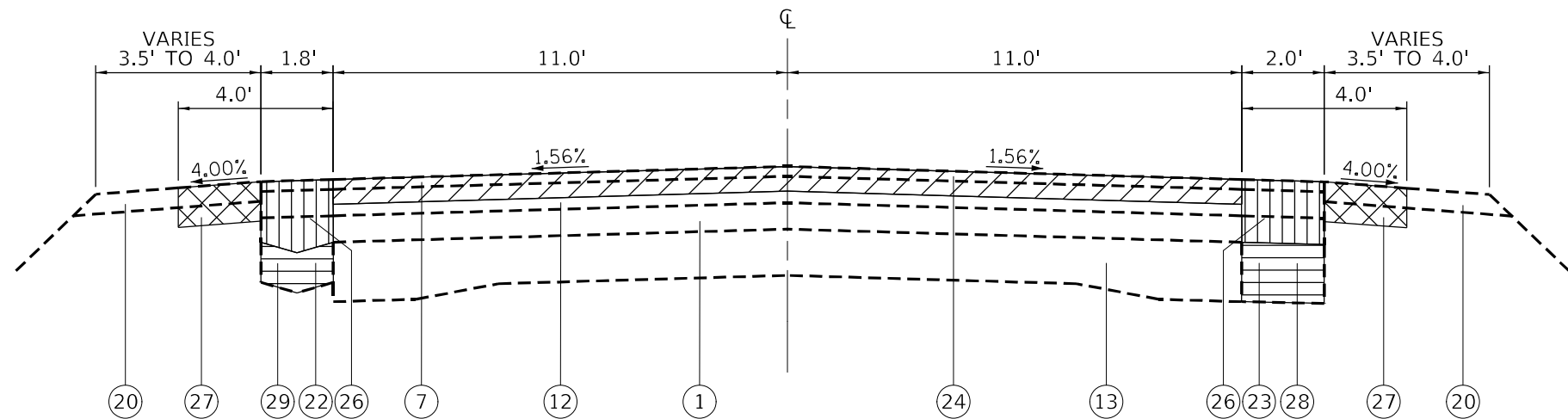
USER NAME = humphreysb	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 5/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

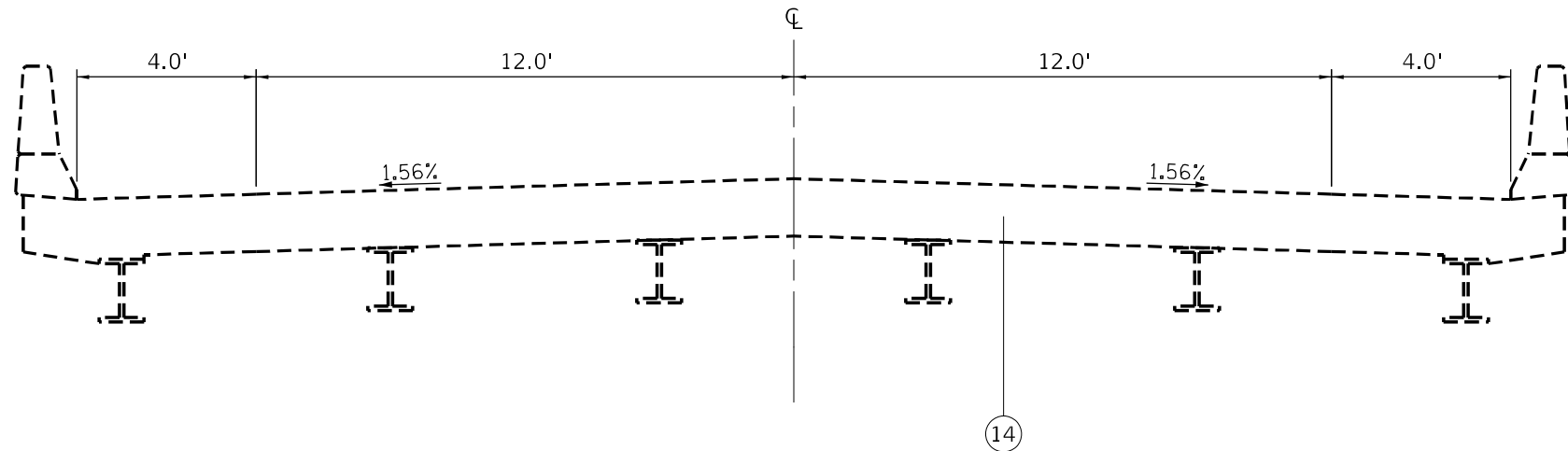
EXISTING TYPICAL SECTIONS

SCALE: SHEET 9 OF 15 SHEETS STA. 2001+15 TO STA. 2102+28

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	19
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		



EXISTING TYPICAL SECTION
FAS 1751 (US 40)
STA 2094+41 TO STA 2097+16



EXISTING TYPICAL SECTION
S.N. 003-0018: FAS 1751 (US 40)
STA 2097+16 TO STA 2099+96

LEGEND

- | | | | |
|--|---|--|--|
| ① EXISTING BITUMINOUS SURFACE COURSE, 4" | ⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" | ②② EXISTING CONCRETE GUTTER, TYPE B | ③① PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4" |
| ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" | ⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9" | ②③ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER | ③② PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4" |
| ③ EXISTING BITUMINOUS SURFACE COURSE, 3" | ⑭ EXISTING CONCRETE DECK SLAB, 7 1/2" | ②④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" | ③③ PROPOSED GRANULAR MATERIAL, TYPE C |
| ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | ⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" | ②⑤ PROPOSED PAVED SHOULDER REMOVAL | ③④ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" | ⑯ EXISTING LIME MODIFIED SOIL, 11 3/4" | ②⑥ PROPOSED PAVEMENT REMOVAL | ③⑤ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4" |
| ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" | ⑰ EXISTING LIME MODIFIED SOIL, 10" | ②⑦ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER | ③⑥ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B |
| ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" | ⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8" | ②⑧ PROPOSED COMBINATION CURB AND GUTTER REMOVAL | ③⑦ PROPOSED CONCRETE GUTTER, TYPE B |
| ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" | ⑲ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ②⑨ PROPOSED GUTTER REMOVAL | ③⑧ PROPOSED TACK COAT |
| ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" | ⑳ EXISTING AGGREGATE SHOULDERS, TYPE B | ③⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" | ③⑨ PROPOSED LONGITUDINAL JOINT SEALANT |
| ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" | ㉑ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B | | ④① PROPOSED WATERPROOFING MEMBRANE SYSTEM |
| ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4" | | | |

EXCAVATING AND GRADING EXISTING SHOULDER

HMA SURFACE COURSE REMOVAL
PAVED SHOULDER REMOVAL
CURB & GUTTER/ GUTTER REMOVAL
PAVEMENT REMOVAL

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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 5/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

SCALE: SHEET 10 OF 15 SHEETS STA. 2094+41 TO STA. 2109+86

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	20
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		



- ① EXISTING BITUMINOUS SURFACE COURSE, 4"
- ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"
- ③ EXISTING BITUMINOUS SURFACE COURSE, 3"
- ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"
- ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"
- ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2"
- ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"
- ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"
- ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2"
- ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4"
- ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4"

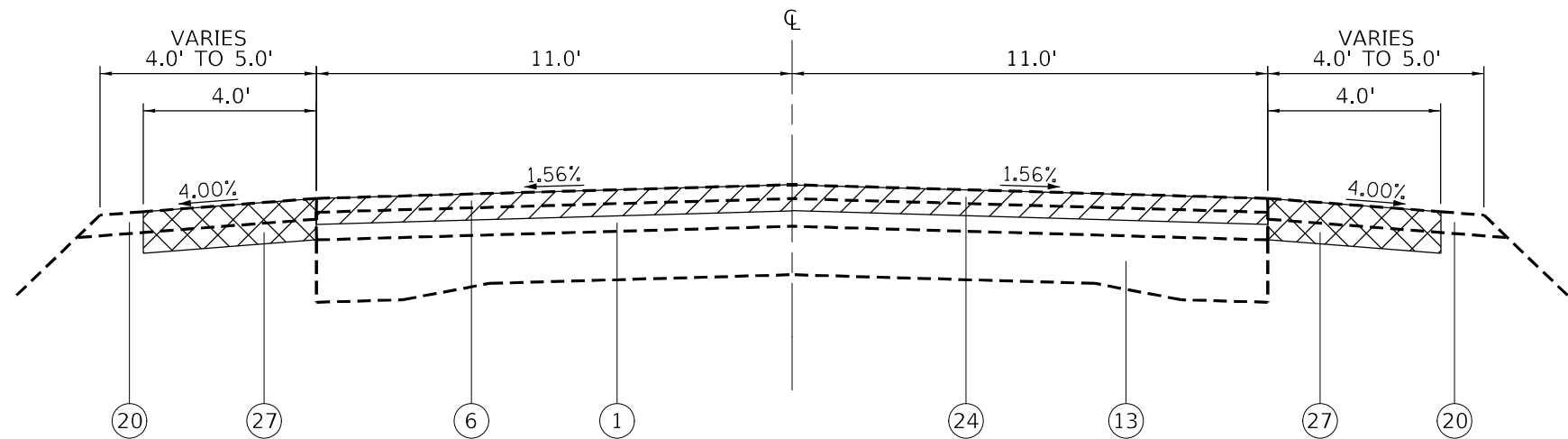
- 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES
2" TO 10"
- 13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"
- 14 EXISTING CONCRETE DECK SLAB, 7 1/2"
- 15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"
- 16 EXISTING LIME MODIFIED SOIL, 11 3/4"
- 17 EXISTING LIME MODIFIED SOIL, 10"
- 18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"
- 19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"
- 20 EXISTING AGGREGATE SHOULDERS, TYPE B
- 21 EXISTING CONCRETE COMBINATION CURB &
GUTTER, TYPE B

- (22) EXISTING CONCRETE GUTTER, TYPE B
- (23) EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER
- (24) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- (25) PROPOSED PAVED SHOULDER REMOVAL
- (26) PROPOSED PAVEMENT REMOVAL
- (27) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER
- (28) PROPOSED COMBINATION CURB AND GUTTER REMOVAL
- (29) PROPOSED GUTTER REMOVAL
- (30) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"

- | | | | |
|---|-------------------------------|---|----------------------------------|
|  | HMA SURFACE
COURSE REMOVAL |  | PAVEMENT
REMOVAL |
|  | PAVED SHOULDER
REMOVAL |  | CURB & GUTTER,
GUTTER REMOVAL |
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
 - 32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
 - 33 PROPOSED GRANULAR MATERIAL, TYPE C
 - 34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
 - 35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
 - 36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
 - 37 PROPOSED CONCRETE GUTTER, TYPE B
 - 38 PROPOSED TACK COAT
 - 39 PROPOSED LONGITUDINAL JOINT SEALANT
 - 40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS				**FA, RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 5/13/2022	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

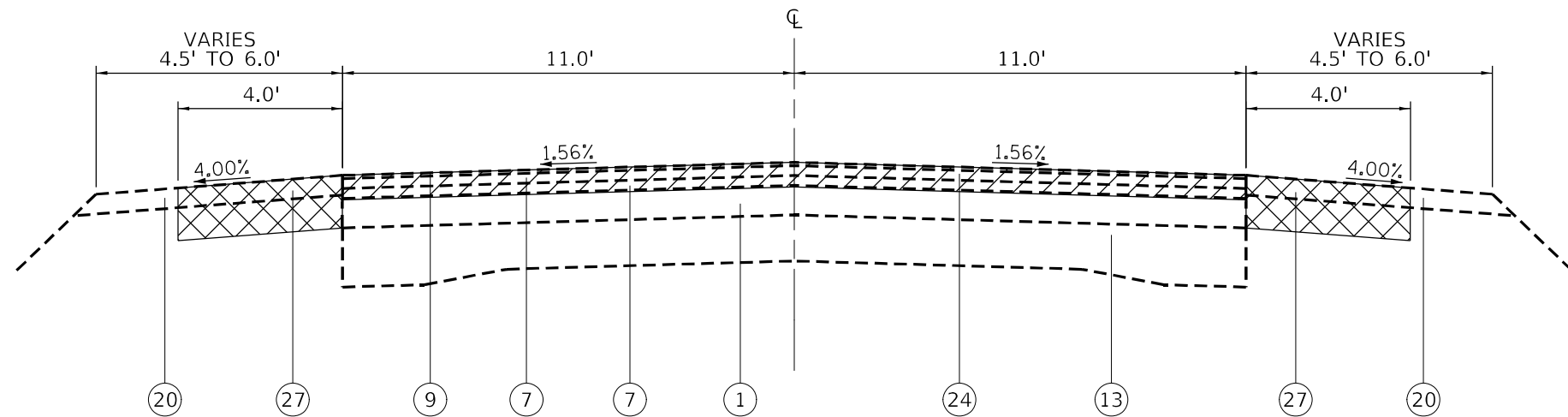
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EXISTING TYPICAL SECTION

FAS 1751 (US 40)

STA 2115+76 TO STA 2178+05



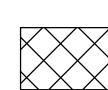
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FAS 1751 (US 40)

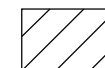
STA 2178+05 TO STA 2268+00
STA 2296+31 TO STA 2326+27

LEGEND

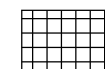
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|--|---|---|--|
| ① EXISTING BITUMINOUS SURFACE COURSE, 4" | ⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" | ⑳ EXISTING CONCRETE GUTTER, TYPE B | ① EXISTING BITUMINOUS SURFACE COURSE, 4" |
| ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" | ⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9" | ㉑ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER | ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" |
| ③ EXISTING BITUMINOUS SURFACE COURSE, 3" | ⑭ EXISTING CONCRETE DECK SLAB, 7 1/2" | ㉒ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" | ③ EXISTING BITUMINOUS SURFACE COURSE, 3" |
| ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | ⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" | ㉓ PROPOSED PAVED SHOULDER REMOVAL | ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" |
| ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" | ⑯ EXISTING LIME MODIFIED SOIL, 11 3/4" | ㉔ PROPOSED PAVEMENT REMOVAL | ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" |
| ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" | ⑰ EXISTING LIME MODIFIED SOIL, 10" | ㉕ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER | ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" |
| ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" | ⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8" | ㉖ PROPOSED COMBINATION CURB AND GUTTER REMOVAL | ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" |
| ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" | ㉒ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ㉗ PROPOSED GUTTER REMOVAL | ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" |
| ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" | ㉓ EXISTING AGGREGATE SHOULDERS, TYPE B | ㉘ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" | ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" |
| ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" | ㉔ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B | | ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" |
| ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4" | | | ⑪ EXISTING BITUMINOUS BINDER COURSE, 11 1/4" |



EXCAVATING AND
GRADING EXISTING
SHOULDER



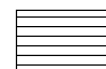
HMA SURFACE
COURSE REMOVAL



PAVED SHOULDER
REMOVAL



PAVEMENT
REMOVAL



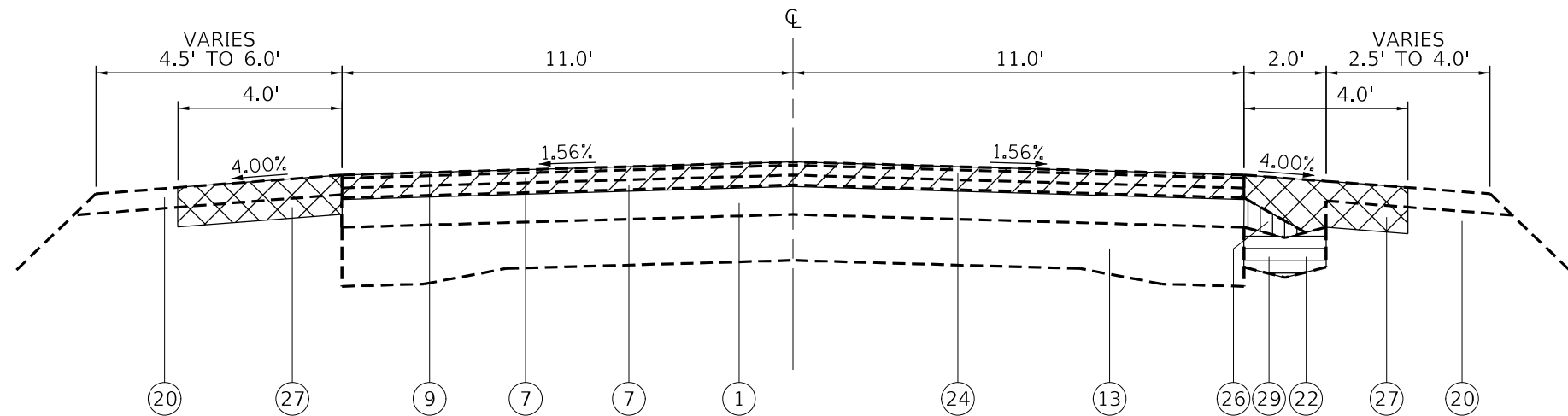
CURB & GUTTER/
GUTTER REMOVAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

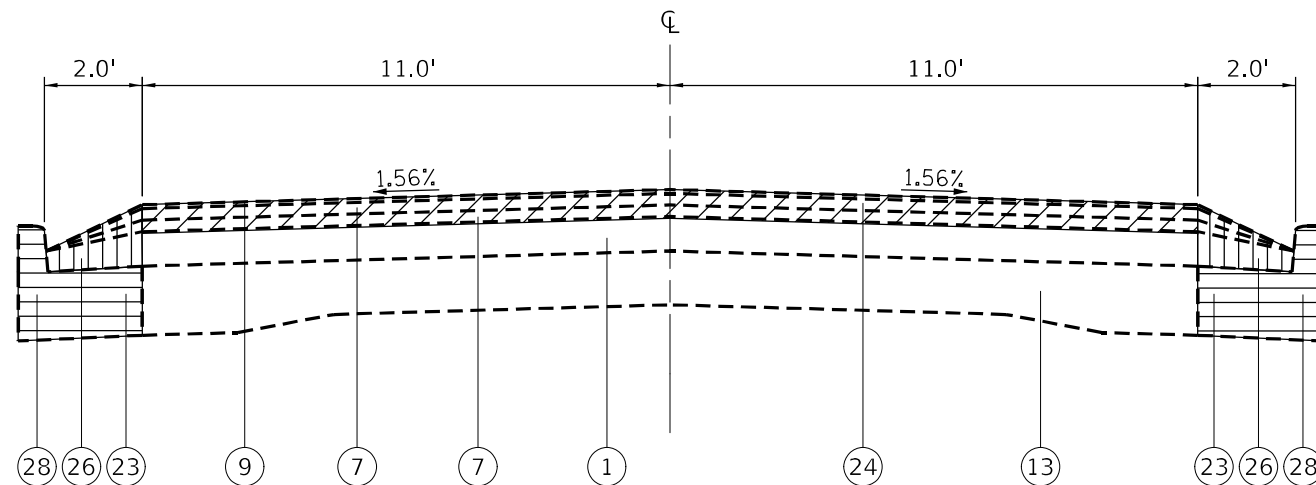
SCALE: SHEET 13 OF 15 SHEETS STA. 2115+76 TO STA. 2326+27

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION
FAS 1751 (US 40)

STA 2268+00 TO STA 2296+31



EXISTING TYPICAL SECTION
FAS 1751 (US 40)

STA 2326+27 TO STA 2328+52

NOTES

- * SEE SHEET #46 FOR ADDITIONAL
TYPICAL SECTION DETAILS FOR
US 40 & MAPLE STREET INTERSECTION

LEGEND

- | | | | |
|---|--|--|--|
| 1 EXISTING BITUMINOUS SURFACE COURSE, 4" | 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" | 22 EXISTING CONCRETE GUTTER, TYPE B | 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4" |
| 2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" | 13 EXISTING P.C.C. PAVEMENT, 9"-7"-9" | 23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER | 32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4" |
| 3 EXISTING BITUMINOUS SURFACE COURSE, 3" | 14 EXISTING CONCRETE DECK SLAB, 7 1/2" | 24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" | 33 PROPOSED GRANULAR MATERIAL, TYPE C |
| 4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | 15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" | 25 PROPOSED PAVED SHOULDER REMOVAL | 34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| 5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" | 16 EXISTING LIME MODIFIED SOIL, 11 3/4" | 26 PROPOSED PAVEMENT REMOVAL | 35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4" |
| 6 EXISTING BITUMINOUS SURFACE COURSE, 2" | 17 EXISTING LIME MODIFIED SOIL, 10" | 27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER | 36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B |
| 7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" | 18 EXISTING HOT-MIX ASPHALT SHOULDER, 8" | 28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL | 37 PROPOSED CONCRETE GUTTER, TYPE B |
| 8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" | 19 EXISTING HOT-MIX ASPHALT SHOULDER, 6" | 29 PROPOSED GUTTER REMOVAL | 38 PROPOSED TACK COAT |
| 9 EXISTING BITUMINOUS MICROSURFACING, 1/2" | 20 EXISTING AGGREGATE SHOULDERS, TYPE B | 30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" | 39 PROPOSED LONGITUDINAL JOINT SEALANT |
| 10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4" | 21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B | | 40 PROPOSED WATERPROOFING MEMBRANE SYSTEM |

EXCAVATING AND
GRADING EXISTING
SHOULDER

HMA SURFACE
COURSE REMOVAL
PAVED SHOULDER
REMOVAL
CURB & GUTTER/
GUTTER REMOVAL
PAVEMENT
REMOVAL

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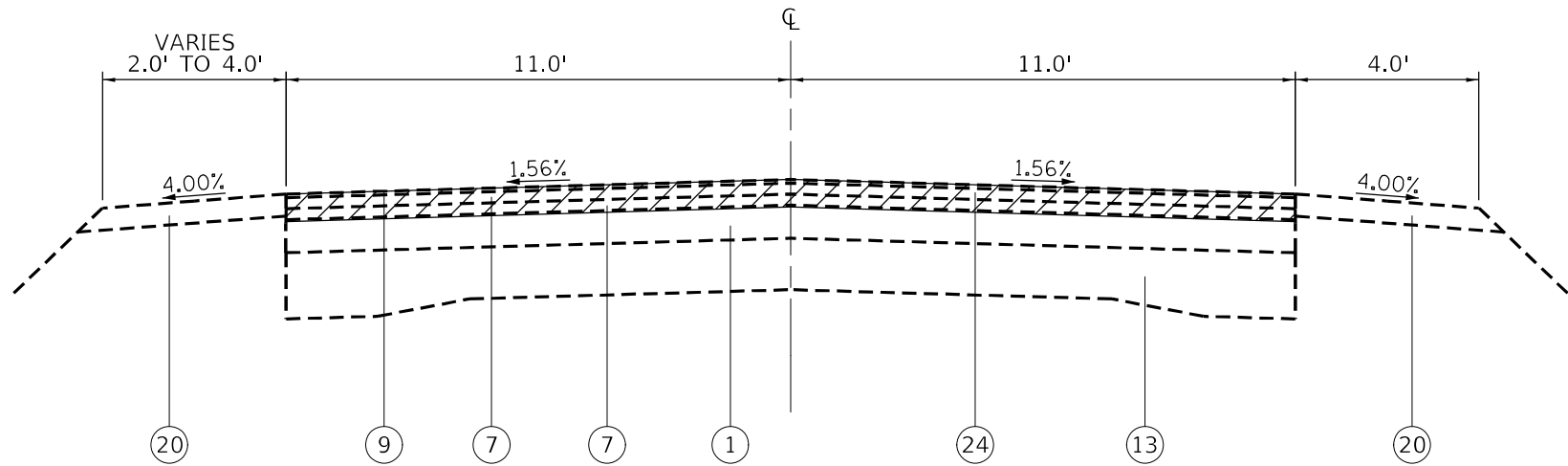
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

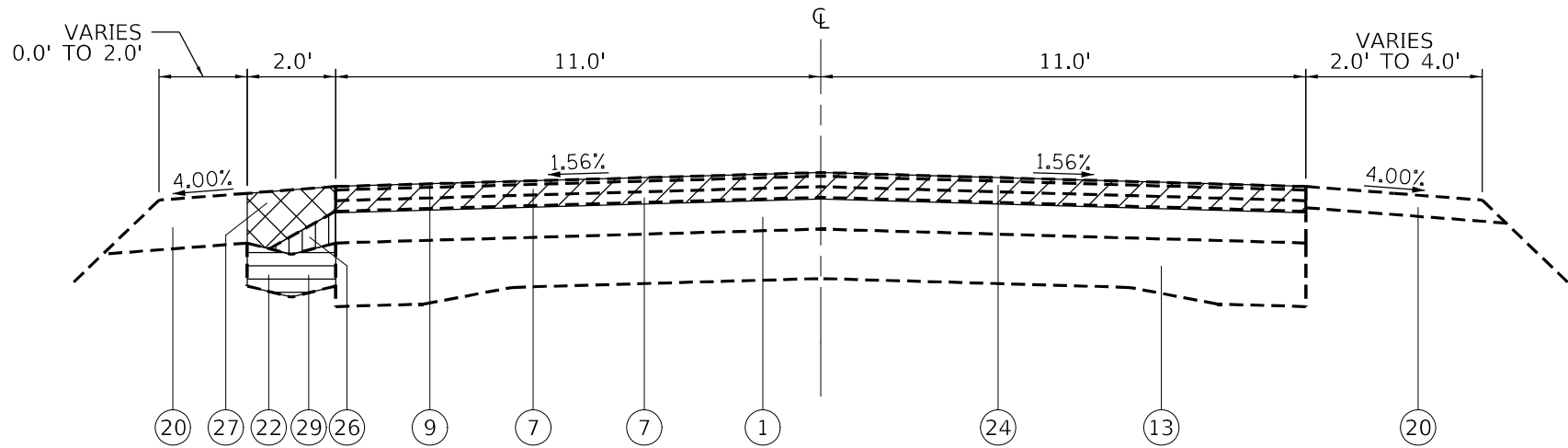
EXISTING TYPICAL SECTIONS

SCALE: SHEET 14 OF 15 SHEETS STA. 2268+00 TO STA. 2328+27

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION
FAS 1751 (US 40)
STA 2328+52 TO STA 2331+60



EXISTING TYPICAL SECTION
FAS 1751 (US 40)
STA 2331+60 TO STA 2363+43

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"
- 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
- 22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

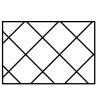
36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

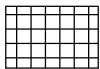
40 PROPOSED WATERPROOFING MEMBRANE SYSTEM



EXCAVATING AND GRADING EXISTING SHOULDER



HMA SURFACE COURSE REMOVAL



PAVED SHOULDER REMOVAL



PAVEMENT REMOVAL



CURB & GUTTER/GUTTER REMOVAL

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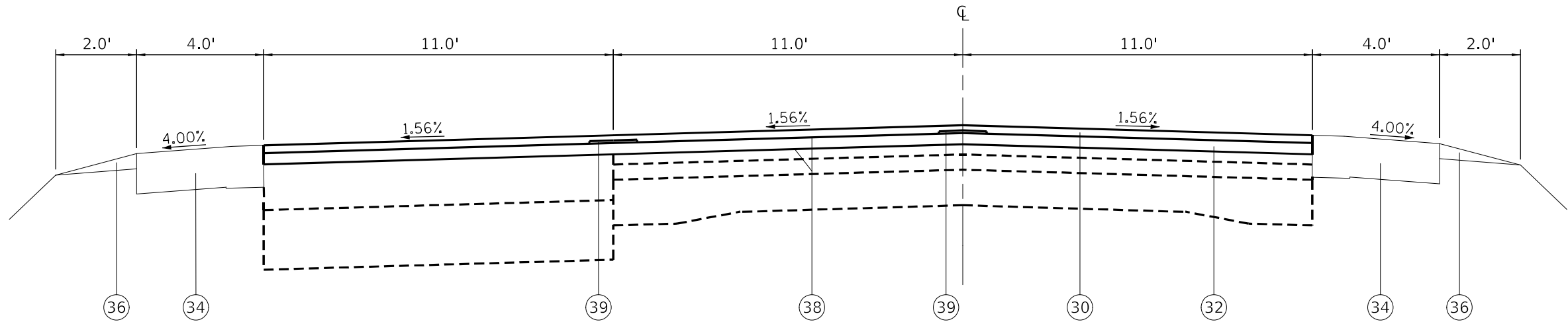
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SHEET 15 OF 15 SHEETS			STA. 2328+27 TO STA. 2363+43			ILLINOIS FED. AID PROJECT	



1) EXISTING BITUMINOUS SURFACE COURSE, 4"	12) EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"	22) EXISTING CONCRETE GUTTER, TYPE B	31) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
2) EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	13) EXISTING P.C.C. PAVEMENT, 9"-7"-9"	23) EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER	32) PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
3) EXISTING BITUMINOUS SURFACE COURSE, 3"	14) EXISTING CONCRETE DECK SLAB, 7 1/2"	24) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	33) PROPOSED GRANULAR MATERIAL, TYPE C
4) EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	15) EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"	25) PROPOSED PAVED SHOULDER REMOVAL	34) PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
5) EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	16) EXISTING LIME MODIFIED SOIL, 11 3/4"	26) PROPOSED PAVEMENT REMOVAL	35) PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
6) EXISTING BITUMINOUS SURFACE COURSE, 2"	17) EXISTING LIME MODIFIED SOIL, 10"	27) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER	36) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
7) EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"	18) EXISTING HOT-MIX ASPHALT SHOULDER, 8"	28) PROPOSED COMBINATION CURB AND GUTTER REMOVAL	37) PROPOSED CONCRETE GUTTER, TYPE B
8) EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"	19) EXISTING HOT-MIX ASPHALT SHOULDER, 6"	29) PROPOSED GUTTER REMOVAL	38) PROPOSED TACK COAT
9) EXISTING BITUMINOUS MICROSURFACING, 1/2"	20) EXISTING AGGREGATE SHOULDERS, TYPE B	30) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"	39) PROPOSED LONGITUDINAL JOINT SEALANT
10) EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	21) EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B		40) PROPOSED WATERPROOFING MEMBRANE SYSTEM

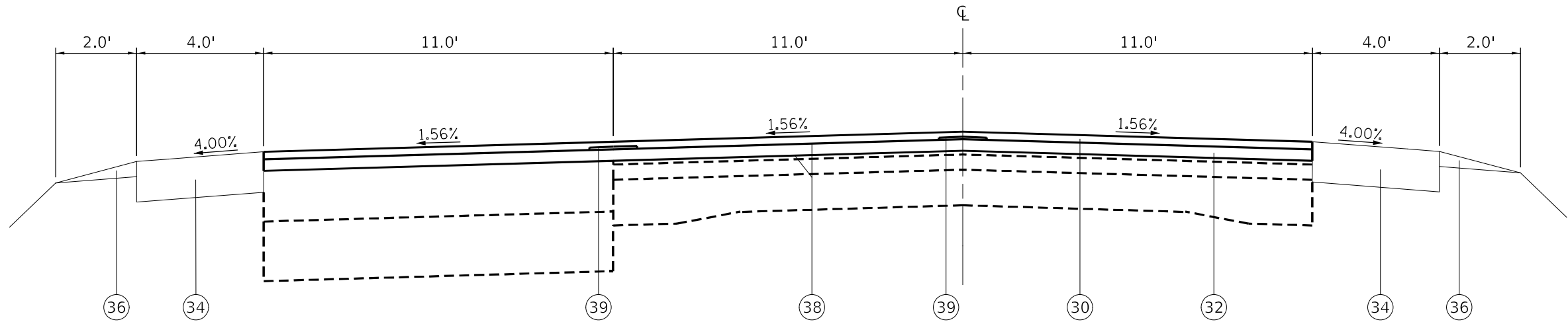
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		DRAWN -	REVISED -							**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	26
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					ILLINOIS		FED. AID PROJECT							

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PROPOSED TYPICAL SECTION
FAU 9832 (US 40)

STA 1937+02 TO STA 1941+02



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)

STA 1941+02 TO STA 1943+35

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"

12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B

22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"

31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

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	DRAWN -	REVISED -
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PLOT DATE = 5/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

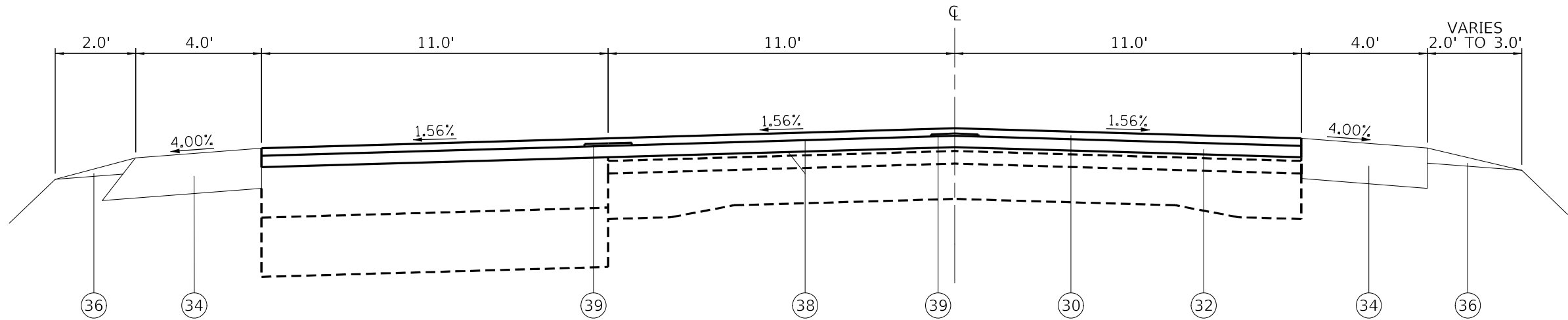
PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET 2	OF 15 SHEETS	STA. 1937+02 TO STA. 1943+35

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	27
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



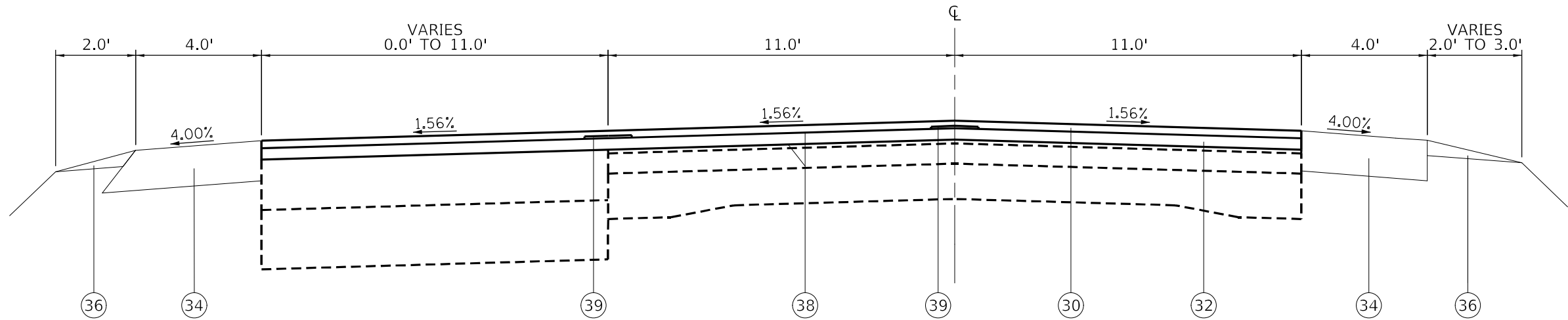
1	EXISTING BITUMINOUS SURFACE COURSE, 4"	12	EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"	22	EXISTING CONCRETE GUTTER, TYPE B	31	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
2	EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	13	EXISTING P.C.C. PAVEMENT, 9"-7"-9"	23	EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER	32	PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
3	EXISTING BITUMINOUS SURFACE COURSE, 3"	14	EXISTING CONCRETE DECK SLAB, 7 1/2"	24	PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	33	PROPOSED GRANULAR MATERIAL, TYPE C
4	EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	15	EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"	25	PROPOSED PAVED SHOULDER REMOVAL	34	PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
5	EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	16	EXISTING LIME MODIFIED SOIL, 11 3/4"	26	PROPOSED PAVEMENT REMOVAL	35	PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
6	EXISTING BITUMINOUS SURFACE COURSE, 2"	17	EXISTING LIME MODIFIED SOIL, 10"	27	PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER	36	PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
7	EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"	18	EXISTING HOT-MIX ASPHALT SHOULDER, 8"	28	PROPOSED COMBINATION CURB AND GUTTER REMOVAL	37	PROPOSED CONCRETE GUTTER, TYPE B
8	EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"	19	EXISTING HOT-MIX ASPHALT SHOULDER, 6"	29	PROPOSED GUTTER REMOVAL	38	PROPOSED TACK COAT
9	EXISTING BITUMINOUS MICROSURFACING, 1/2"	20	EXISTING AGGREGATE SHOULDERS, TYPE B	30	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"	39	PROPOSED LONGITUDINAL JOINT SEALANT
10	EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	21	EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B			40	PROPOSED WATERPROOFING MEMBRANE SYSTEM
11	EXISTING BITUMINOUS BINDER COURSE, 11 1/4"						

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS						**FA, RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED -								**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	28		
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		SCALE:						SHEET 3	OF 15	SHEETS	STA. 1943+35	TO STA. 1948+02	**FAU 9832, FAS 1751	CONTRACT NO. 76K46
	PLOT DATE = 5/13/2022	DATE -	REVISED -								ILLINOIS	FED. AID PROJECT					



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)

STA 1948+02 TO STA 1950+71



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)

STA 1950+71 TO STA 1955+93

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"
- 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
- 22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

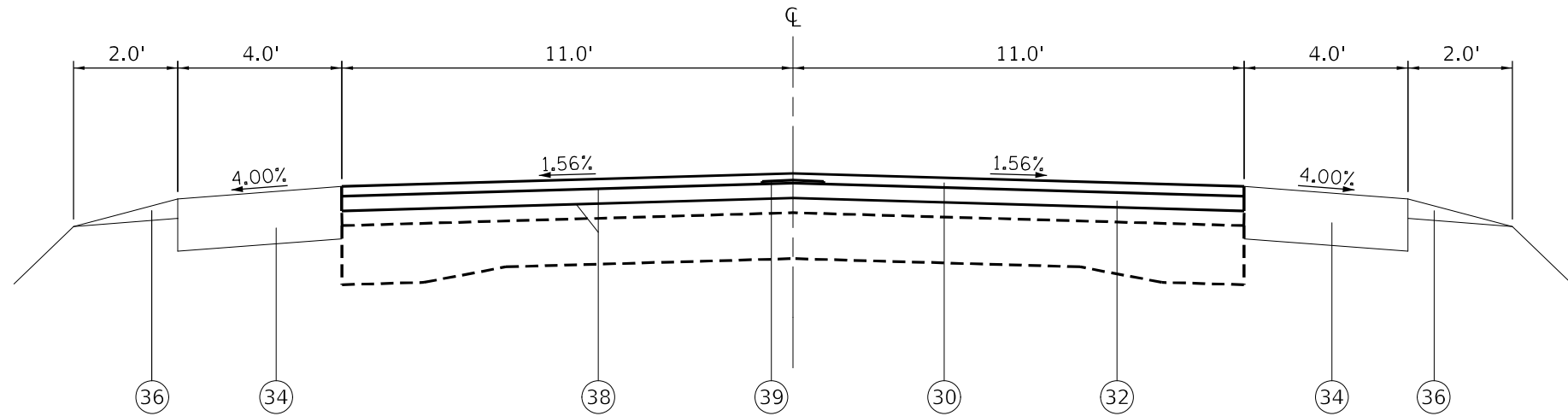
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PLOT DATE = 5/13/2022	DATE -	REVISED -

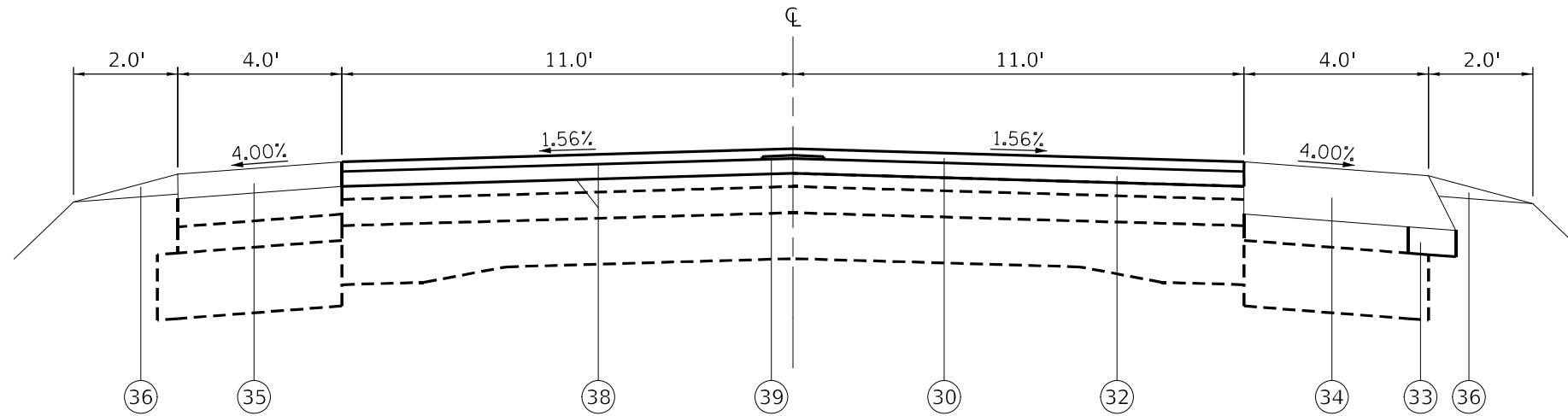
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET 4	OF 15 SHEETS	STA. 1948+02 TO STA. 1955+93

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	29
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 1955+93 TO STA 1985+09



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 1985+09 TO STA 1986+09

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"
- 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
- 22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

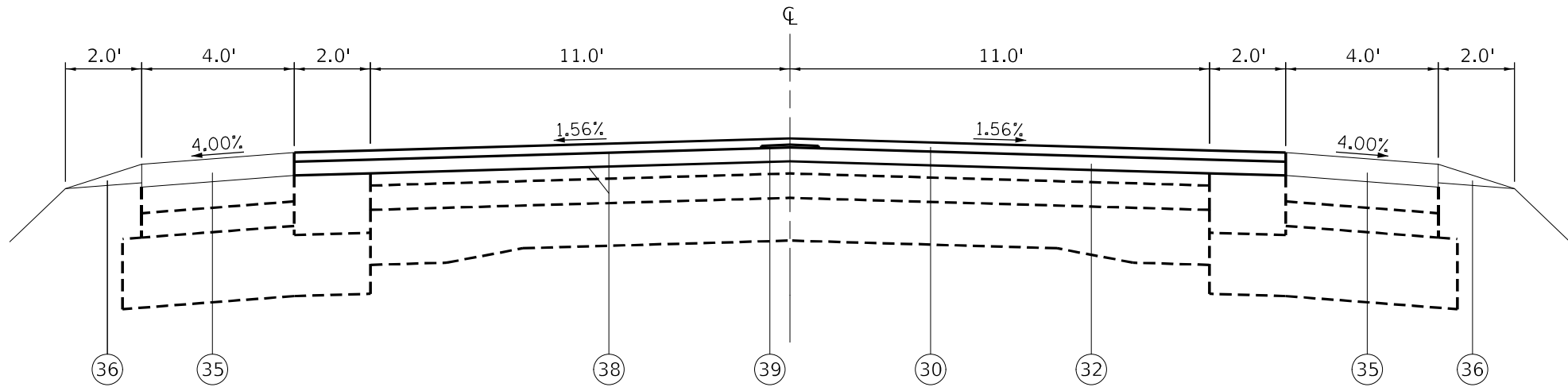
38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

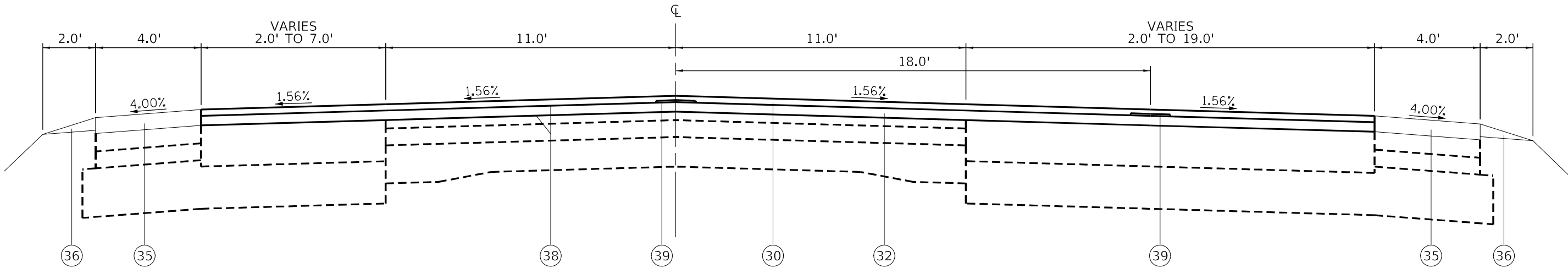
40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SHEET 5 OF 15 SHEETS			STA. 1955+93 TO STA. 1986+09			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 1986+09 TO STA 1986+69



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 1986+69 TO STA 1989+09

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"
- 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
- 22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

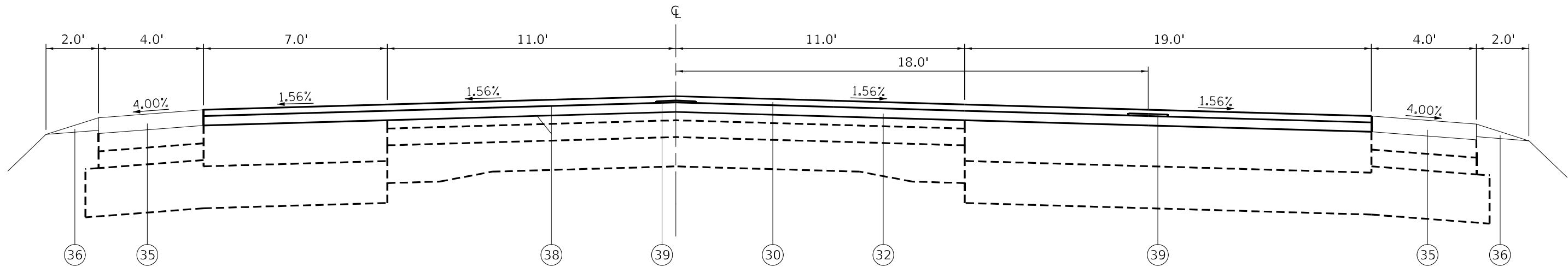
38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

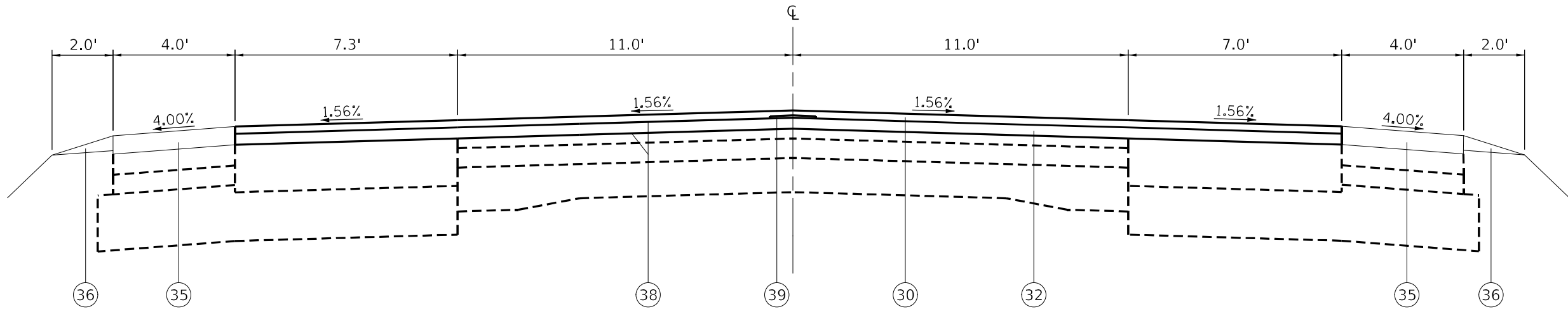
40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

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		DATE -	REVISED -		SHEET 6 OF 15 SHEETS			STA. 1986+09 TO STA. 1989+09			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 1989+09 TO STA 1992+13



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 1992+13 TO STA 1997+15

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"
- 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
- 22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

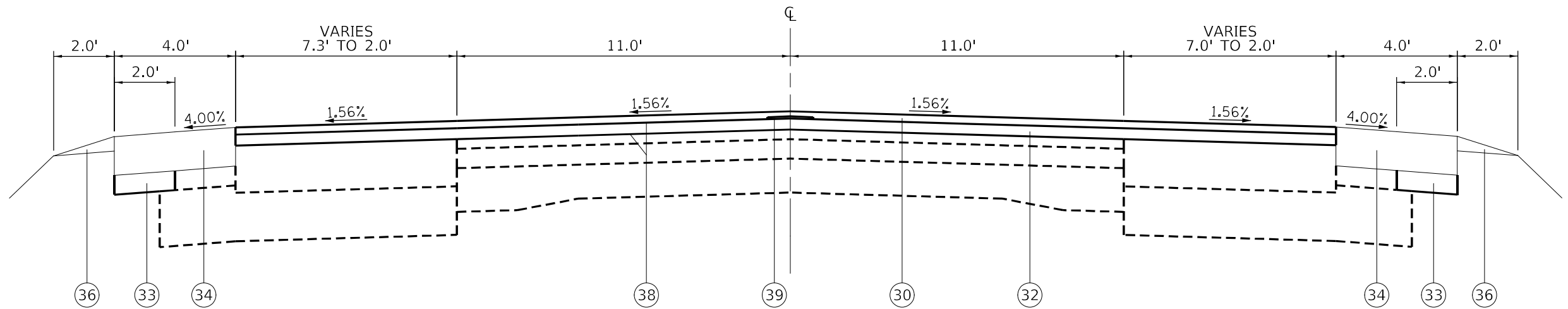
38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

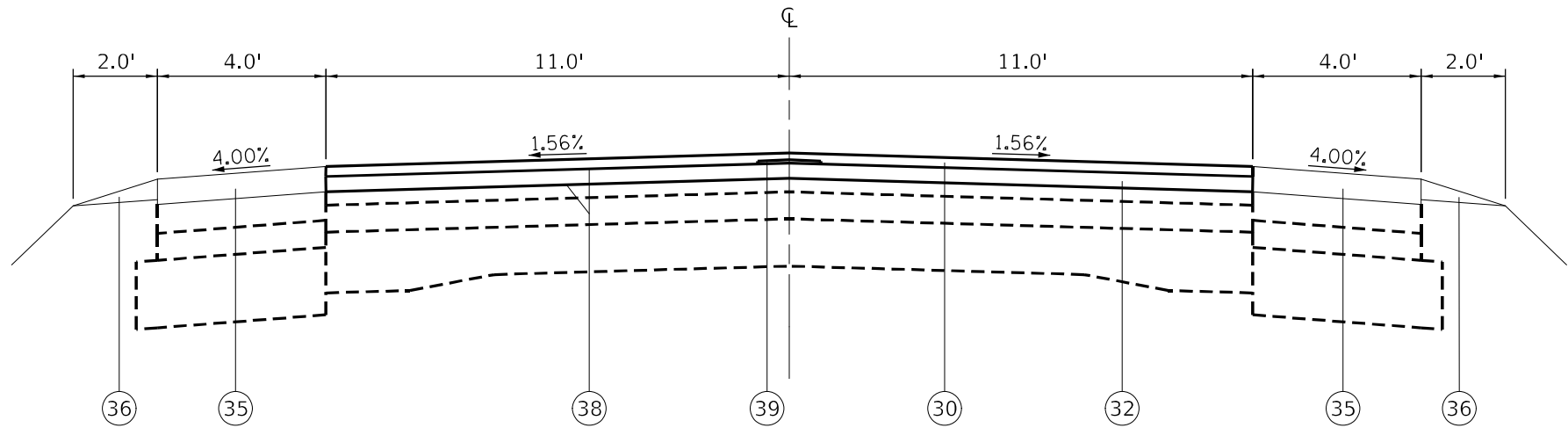
40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

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		DRAWN -	REVISED -							**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	32
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						ILLINOIS					FED. AID PROJECT			



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 1997+15 TO STA 2000+15



PROPOSED TYPICAL SECTION
FAU 9832 (US 40)
STA 2000+15 TO STA 2001+15

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

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- 22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

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36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

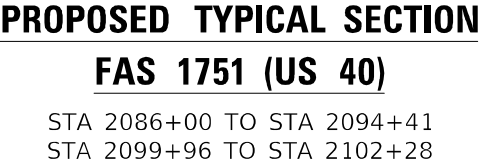
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DRAWN -	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 5/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET 8	OF 15 SHEETS	STA. 1997+15 TO STA. 2001+15

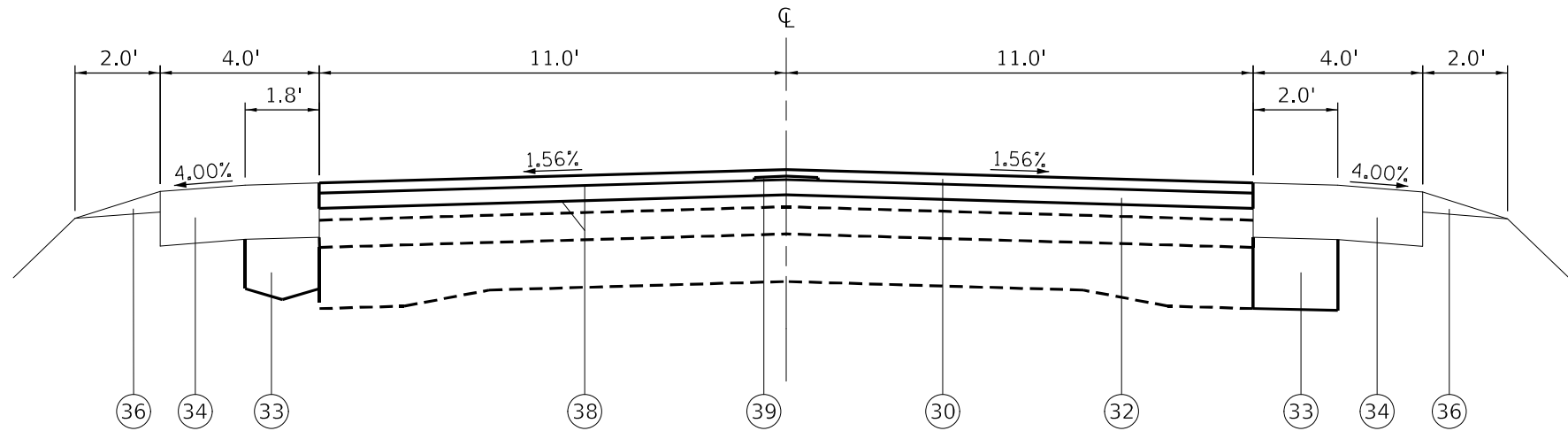
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**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



1	EXISTING BITUMINOUS SURFACE COURSE, 4"	12	EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"	22	EXISTING CONCRETE GUTTER, TYPE B	31	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
2	EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	13	EXISTING P.C.C. PAVEMENT, 9"-7"-9"	23	EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER	32	PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
3	EXISTING BITUMINOUS SURFACE COURSE, 3"	14	EXISTING CONCRETE DECK SLAB, 7 1/2"	24	PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	33	PROPOSED GRANULAR MATERIAL, TYPE C
4	EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	15	EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"	25	PROPOSED PAVED SHOULDER REMOVAL	34	PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
5	EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	16	EXISTING LIME MODIFIED SOIL, 11 3/4"	26	PROPOSED PAVEMENT REMOVAL	35	PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
6	EXISTING BITUMINOUS SURFACE COURSE, 2"	17	EXISTING LIME MODIFIED SOIL, 10"	27	PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER	36	PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
7	EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"	18	EXISTING HOT-MIX ASPHALT SHOULDER, 8"	28	PROPOSED COMBINATION CURB AND GUTTER REMOVAL	37	PROPOSED CONCRETE GUTTER, TYPE B
8	EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"	19	EXISTING HOT-MIX ASPHALT SHOULDER, 6"	29	PROPOSED GUTTER REMOVAL	38	PROPOSED TACK COAT
9	EXISTING BITUMINOUS MICROSURFACING, 1/2"	20	EXISTING AGGREGATE SHOULDERS, TYPE B	30	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"	39	PROPOSED LONGITUDINAL JOINT SEALANT
10	EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	21	EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B			40	PROPOSED WATERPROOFING MEMBRANE SYSTEM
11	EXISTING BITUMINOUS BINDER COURSE, 11 1/4"						

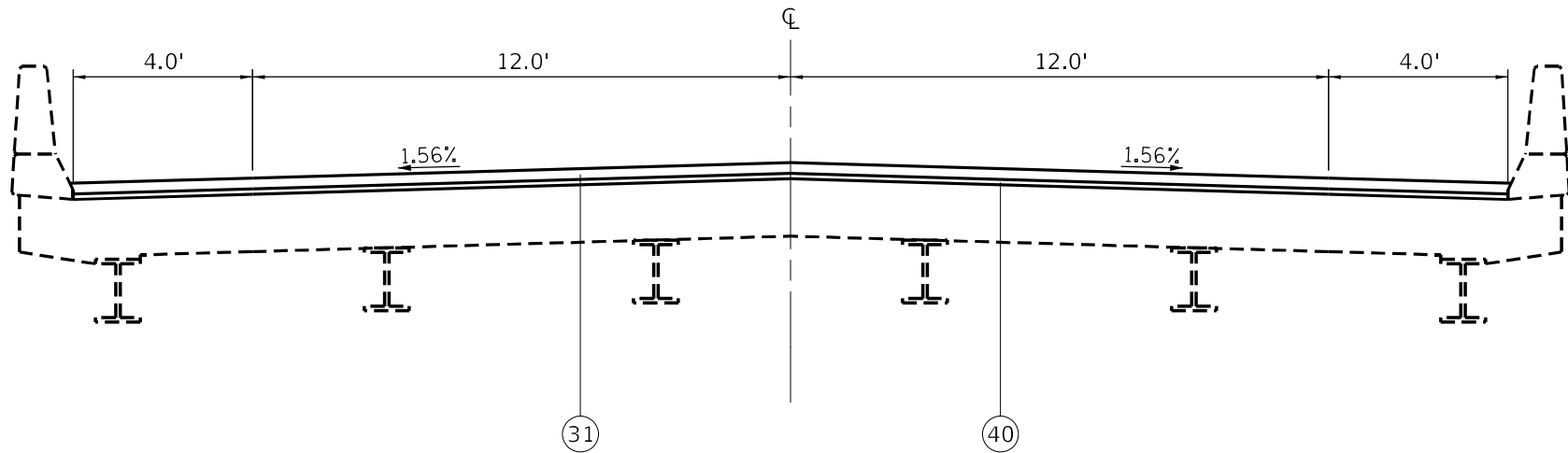
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		DRAWN -	REVISED -							**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	34
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	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 9	OF 15	SHEETS	STA. 2001+15	TO STA. 2102+28				
								ILLINOIS	FED. AID PROJECT					

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PROPOSED TYPICAL SECTION
FAS 1751 (US 40)

STA 2094+41 TO STA 2097+16



PROPOSED TYPICAL SECTION
S.N. 003-0018, FAS 1751 (US 40)

STA 2097+16 TO STA 2099+96

LEGEND

- 1 EXISTING BITUMINOUS SURFACE COURSE, 4"

2 EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"

3 EXISTING BITUMINOUS SURFACE COURSE, 3"

4 EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"

5 EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"

6 EXISTING BITUMINOUS SURFACE COURSE, 2"

7 EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"

8 EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"

9 EXISTING BITUMINOUS MICROSURFACING, 1/2"

10 EXISTING BITUMINOUS BINDER COURSE, 12 1/4"

11 EXISTING BITUMINOUS BINDER COURSE, 11 1/4"
- 12 EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"

13 EXISTING P.C.C. PAVEMENT, 9"-7"-9"

14 EXISTING CONCRETE DECK SLAB, 7 1/2"

15 EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"

16 EXISTING LIME MODIFIED SOIL, 11 3/4"

17 EXISTING LIME MODIFIED SOIL, 10"

18 EXISTING HOT-MIX ASPHALT SHOULDER, 8"

19 EXISTING HOT-MIX ASPHALT SHOULDER, 6"

20 EXISTING AGGREGATE SHOULDERS, TYPE B

21 EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B
- 22 EXISTING CONCRETE GUTTER, TYPE B

23 EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER

24 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

25 PROPOSED PAVED SHOULDER REMOVAL

26 PROPOSED PAVEMENT REMOVAL

27 PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

28 PROPOSED COMBINATION CURB AND GUTTER REMOVAL

29 PROPOSED GUTTER REMOVAL

30 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 31 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"

32 PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"

33 PROPOSED GRANULAR MATERIAL, TYPE C

34 PROPOSED HOT-MIX ASPHALT SHOULDER, 8"

35 PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"

36 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

37 PROPOSED CONCRETE GUTTER, TYPE B

38 PROPOSED TACK COAT

39 PROPOSED LONGITUDINAL JOINT SEALANT

40 PROPOSED WATERPROOFING MEMBRANE SYSTEM

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	PLOT DATE = 5/13/2022	DATE -	REVISED -							CONTRACT NO. 76K46				
						SCALE:	SHEET 10	OF 15	SHEETS	STA. 2094+41	TO STA. 2109+86	ILLINOIS FED. AID PROJECT		



STA 2105+03 TO STA 2106+58

LEGEND

- | | | | |
|--|---|---|---|
| ① EXISTING BITUMINOUS SURFACE COURSE, 4" | ⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10" | ⑳ EXISTING CONCRETE GUTTER, TYPE B | ㉑ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4" |
| ② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4" | ⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9" | ㉒ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER | ㉒ PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4" |
| ③ EXISTING BITUMINOUS SURFACE COURSE, 3" | ⑭ EXISTING CONCRETE DECK SLAB, 7 1/2" | ㉓ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4" | ㉓ PROPOSED GRANULAR MATERIAL, TYPE C |
| ④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2" | ⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4" | ㉔ PROPOSED PAVED SHOULDER REMOVAL | ㉔ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4" | ⑯ EXISTING LIME MODIFIED SOIL, 11 3/4" | ㉕ PROPOSED PAVEMENT REMOVAL | ㉕ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4" |
| ⑥ EXISTING BITUMINOUS SURFACE COURSE, 2" | ⑰ EXISTING LIME MODIFIED SOIL, 10" | ㉖ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER | ㉖ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B |
| ⑦ EXISTING BITUMINOUS SURFACE COURSE, 1 1/2" | ⑱ EXISTING HOT-MIX ASPHALT SHOULDER, 8" | ㉗ PROPOSED COMBINATION CURB AND GUTTER REMOVAL | ㉗ PROPOSED CONCRETE GUTTER, TYPE B |
| ⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4" | ㉒ EXISTING HOT-MIX ASPHALT SHOULDER, 6" | ㉘ PROPOSED GUTTER REMOVAL | ㉘ PROPOSED TACK COAT |
| ⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2" | ㉓ EXISTING AGGREGATE SHOULDERS, TYPE B | ㉙ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" | ㉙ PROPOSED LONGITUDINAL JOINT SEALANT |
| ⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4" | ㉔ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B | | ㉚ PROPOSED WATERPROOFING MEMBRANE SYSTEM |

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS					**FA, RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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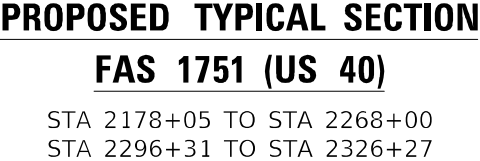
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1) EXISTING BITUMINOUS SURFACE COURSE, 4"	12) EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"	22) EXISTING CONCRETE GUTTER, TYPE B	31) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
2) EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	13) EXISTING P.C.C. PAVEMENT, 9"-7"-9"	23) EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER	32) PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
3) EXISTING BITUMINOUS SURFACE COURSE, 3"	14) EXISTING CONCRETE DECK SLAB, 7 1/2"	24) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	33) PROPOSED GRANULAR MATERIAL, TYPE C
4) EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	15) EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"	25) PROPOSED PAVED SHOULDER REMOVAL	34) PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
5) EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	16) EXISTING LIME MODIFIED SOIL, 11 3/4"	26) PROPOSED PAVEMENT REMOVAL	35) PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
6) EXISTING BITUMINOUS SURFACE COURSE, 2"	17) EXISTING LIME MODIFIED SOIL, 10"	27) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER	36) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
7) EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"	18) EXISTING HOT-MIX ASPHALT SHOULDER, 8"	28) PROPOSED COMBINATION CURB AND GUTTER REMOVAL	37) PROPOSED CONCRETE GUTTER, TYPE B
8) EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"	19) EXISTING HOT-MIX ASPHALT SHOULDER, 6"	29) PROPOSED GUTTER REMOVAL	38) PROPOSED TACK COAT
9) EXISTING BITUMINOUS MICROSURFACING, 1/2"	20) EXISTING AGGREGATE SHOULDERS, TYPE B	30) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"	39) PROPOSED LONGITUDINAL JOINT SEALANT
10) EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	21) EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B		40) PROPOSED WATERPROOFING MEMBRANE SYSTEM

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS					**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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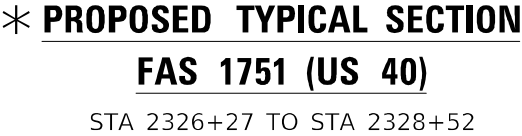
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1) EXISTING BITUMINOUS SURFACE COURSE, 4"	12) EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"	22) EXISTING CONCRETE GUTTER, TYPE B	31) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
2) EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	13) EXISTING P.C.C. PAVEMENT, 9"-7"-9"	23) EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER	32) PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
3) EXISTING BITUMINOUS SURFACE COURSE, 3"	14) EXISTING CONCRETE DECK SLAB, 7 1/2"	24) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	33) PROPOSED GRANULAR MATERIAL, TYPE C
4) EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	15) EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"	25) PROPOSED PAVED SHOULDER REMOVAL	34) PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
5) EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	16) EXISTING LIME MODIFIED SOIL, 11 3/4"	26) PROPOSED PAVEMENT REMOVAL	35) PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
6) EXISTING BITUMINOUS SURFACE COURSE, 2"	17) EXISTING LIME MODIFIED SOIL, 10"	27) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER	36) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
7) EXISTING BITUMINOUS SURFACE COURSE, 1 1/2"	18) EXISTING HOT-MIX ASPHALT SHOULDER, 8"	28) PROPOSED COMBINATION CURB AND GUTTER REMOVAL	37) PROPOSED CONCRETE GUTTER, TYPE B
8) EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"	19) EXISTING HOT-MIX ASPHALT SHOULDER, 6"	29) PROPOSED GUTTER REMOVAL	38) PROPOSED TACK COAT
9) EXISTING BITUMINOUS MICROSURFACING, 1/2"	20) EXISTING AGGREGATE SHOULDERS, TYPE B	30) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"	39) PROPOSED LONGITUDINAL JOINT SEALANT
10) EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	21) EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B		40) PROPOSED WATERPROOFING MEMBRANE SYSTEM

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						**	((Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	38
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		**FAU 9832, FAS 1751								
	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 13 OF 15 SHEETS	STA. 2115+76 TO STA. 2326+27	ILLINOIS FED. AID PROJECT					

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* SEE SHEET #46 FOR ADDITIONAL
TYPICAL SECTION DETAILS FOR
US 40 & MAPLE STREET INTERSECTION

1) EXISTING BITUMINOUS SURFACE COURSE, 4"	12) EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"	22) EXISTING CONCRETE GUTTER, TYPE B	31) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
2) EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	13) EXISTING P.C.C. PAVEMENT, 9"-7"-9"	23) EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER	32) PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
3) EXISTING BITUMINOUS SURFACE COURSE, 3"	14) EXISTING CONCRETE DECK SLAB, 7 1/2"	24) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	33) PROPOSED GRANULAR MATERIAL, TYPE C
4) EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	15) EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"	25) PROPOSED PAVED SHOULDER REMOVAL	34) PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
5) EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	16) EXISTING LIME MODIFIED SOIL, 11 3/4"	26) PROPOSED PAVEMENT REMOVAL	35) PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
6) EXISTING BITUMINOUS SURFACE COURSE, 2"	17) EXISTING LIME MODIFIED SOIL, 10"	27) PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER	36) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
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10) EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	21) EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B		40) PROPOSED WATERPROOFING MEMBRANE SYSTEM

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS					**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							** (Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	39	
	PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -		**FAU 9832, FAS 1751	CONTRACT NO. 76K46								
	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 14	OF 15	SHEETS	STA. 2268+00	TO STA. 2328+27	ILLINOIS	FED. AID PROJECT		

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① EXISTING BITUMINOUS SURFACE COURSE, 4"	⑫ EXISTING BITUMINOUS LEVELING BINDER, VARIES 2" TO 10"	⑳ EXISTING CONCRETE GUTTER, TYPE B	㉑ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/4"
② EXISTING BITUMINOUS SURFACE COURSE, 3 3/4"	⑬ EXISTING P.C.C. PAVEMENT, 9"-7"-9"	㉒ EXISTING PARTIAL REMAINING CONCRETE CURB & GUTTER	㉒ PROPOSED HOT-MIX ASPHALT BINDER COURSE, 2 1/4"
③ EXISTING BITUMINOUS SURFACE COURSE, 3"	⑭ EXISTING CONCRETE DECK SLAB, 7 1/2"	㉓ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	㉓ PROPOSED GRANULAR MATERIAL, TYPE C
④ EXISTING BITUMINOUS SURFACE COURSE, 2 1/2"	⑮ EXISTING SUBBASE GRANULAR MATERIAL, TY C, 4"	㉔ PROPOSED PAVED SHOULDER REMOVAL	㉔ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
⑤ EXISTING BITUMINOUS SURFACE COURSE, 2 1/4"	⑯ EXISTING LIME MODIFIED SOIL, 11 3/4"	㉕ PROPOSED PAVEMENT REMOVAL	㉕ PROPOSED HOT-MIX ASPHALT SHOULDER, 3 3/4"
⑥ EXISTING BITUMINOUS SURFACE COURSE, 2"	⑰ EXISTING LIME MODIFIED SOIL, 10"	㉖ PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER	㉖ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
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⑧ EXISTING BITUMINOUS SURFACE COURSE, 1 1/4"	㉒ EXISTING HOT-MIX ASPHALT SHOULDER, 6"	㉘ PROPOSED GUTTER REMOVAL	㉘ PROPOSED TACK COAT
⑨ EXISTING BITUMINOUS MICROSURFACING, 1/2"	㉓ EXISTING AGGREGATE SHOULDERS, TYPE B	㉙ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"	㉙ PROPOSED LONGITUDINAL JOINT SEALANT
⑩ EXISTING BITUMINOUS BINDER COURSE, 12 1/4"	㉔ EXISTING CONCRETE COMBINATION CURB & GUTTER, TYPE B		㉚ PROPOSED WATERPROOFING MEMBRANE SYSTEM

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS					**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	40
	PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -		**FAU 9832, FAS 1751					CONTRACT NO. 76K46				
	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 15	OF 15	SHEETS	STA. 2328+27	TO STA. 2363+43	ILLINOIS FED. AID PROJECT			

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File Name: g:\uldest-sw-bend\com\il\INDOT\Documents\DOT_Offices\District_8\Projects\0876K46\Cadd\data\Cadd\sheet\0876K46-sh-schedule.dgn

EARTHWORK SCHEDULE						
STATION	CUT AREA	FILL AREA	EARTH EXCAVATION	EARTH EXCAVATION ADJ. FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)
	SQ FT	SQ FT	CU YD	CU YD	CU YD	CU YD
US 40						
1950+85.00	0.00	2.73	0.00	0.00	0.00	0.00
1950+95.00	0.00	2.73	0.00	0.00	1.01	-1.01
1951+65.00	0.00	3.32	0.00	0.00	7.84	-7.84
1952+00.00	0.00	0.00	0.00	0.00	2.15	-2.15
1952+35.00	0.00	1.42	0.00	0.00	0.92	-0.92
1952+60.00	0.00	7.06	0.00	0.00	3.93	-3.93
1953+45.00	0.00	6.08	0.00	0.00	20.68	-20.68
1954+35.00	0.00	4.57	0.00	0.00	17.75	-17.75
1954+48.00	0.00	4.57	0.00	0.00	2.20	-2.20
SUBTOTALS			0.00	0.00	56.48	-56.48
NE QUADRANT OF US 40 & MAPLE STREET						
0+00.00	3.13	3.95	0.00	0.00	0.00	0.00
0+20.00	3.15	3.80	2.33	1.75	2.87	-1.12
0+40.00	3.20	3.93	2.35	1.76	2.86	-1.10
0+60.00	1.61	0.61	1.78	1.34	1.68	-0.34
0+80.00	5.24	0.00	2.54	1.91	0.23	1.68
1+00.00	7.69	0.00	0.00	0.00	0.00	0.00
1+20.00	14.17	0.00	8.10	6.08	0.00	6.08
1+40.00	14.77	0.00	10.72	8.04	0.00	8.04
1+60.00	15.50	0.00	11.21	8.41	0.00	8.41
1+80.00	9.57	0.00	9.29	6.97	0.00	6.97
2+00.00	3.65	0.00	4.90	3.68	0.00	3.68
2+20.00	0.27	0.00	1.45	1.09	0.00	1.09
2+34.94	2.30	1.12	0.71	0.53	0.31	0.22
SUBTOTALS			55.38	41.56	7.95	33.61
NW QUADRANT OF US 40 & MAPLE STREET						
0+00.00	3.56	0.00	0.00	0.00	0.00	0.00
0+20.00	0.00	1.33	1.32	0.99	0.49	0.50
0+40.00	4.65	0.00	1.72	1.29	0.49	0.80
0+60.00	8.53	0.00	4.88	3.66	0.00	3.66
0+80.00	9.55	0.00	6.70	5.03	0.00	5.03
1+00.00	10.16	0.00	0.00	0.00	0.00	0.00
1+20.00	8.59	0.00	6.94	5.21	0.00	5.21
1+40.00	6.87	0.00	5.73	4.30	0.00	4.30
1+60.00	5.32	0.00	4.51	3.38	0.00	3.38
1+80.00	3.93	3.46	3.43	2.57	1.28	1.29
1+87.13	7.13	0.00	1.46	1.10	0.46	0.64
SUBTOTALS			36.69	27.53	2.72	24.81
SE QUADRANT OF US 40 & MAPLE STREET						
0+00.00	3.72	0.00	0.00	0.00	0.00	0.00
0+20.00	2.34	0.00	2.24	1.68	0.00	1.68
0+40.00	3.67	0.00	2.23	1.67	0.00	1.67
0+60.00	2.54	0.00	2.30	1.73	0.00	1.73
0+80.00	6.33	0.00	3.29	2.47	0.00	2.47
1+00.00	6.17	0.00	0.00	0.00	0.00	0.00
1+20.00	4.79	0.00	4.06	3.05	0.00	3.05
1+40.00	5.32	0.00	3.74	2.81	0.00	2.81
1+60.00	4.11	0.00	3.49	2.62	0.00	2.62
1+80.00	4.65	7.61	3.24	2.43	2.82	-0.39
1+98.63	2.74	1.37	2.55	1.91	3.10	-1.19
SUBTOTALS			27.14	20.37	5.92	14.45
SW QUADRANT OF US 40 & MAPLE STREET						
0+00.00	3.60	0.33	0.00	0.00	0.00	0.00
0+20.00	4.30	3.39	2.93	2.20	1.38	0.82
0+40.00	7.75	0.00	4.46	3.35	1.26	2.09
0+60.00	12.40	0.00	7.46	5.60	0.00	5.60
0+80.00	11.55	0.00	8.87	6.65	0.00	6.65
1+00.00	12.75	0.00	0.00	0.00	0.00	0.00
1+20.00	13.95	0.00	9.89	7.42	0.00	7.42
1+40.00	13.68	0.00	10.23	7.67	0.00	7.67
1+60.00	11.66	0.00	9.39	7.04	0.00	7.04
1+80.00	10.54	0.04	8.22	6.17	0.01	6.16
2+00.00	8.58	0.80	7.08	5.31	0.31	5.00
2+20.00	5.49	0.48	5.21	3.91	0.47	3.44
2+29.81	3.17	2.70	1.57	1.18	0.58	0.60
SUBTOTALS			75.31	56.50	4.01	52.49
TOTALS			195	150	80	70

SIGN SCHEDULE									
STATION	OFFSET	COMMON SIGN NAME	SIGN CODE	SIGN PANEL - TYPE 1	REMOVE SIGN PANEL ASSEMBLY- TYPE A	REMOVE SIGN PANEL ASSEMBLY- TYPE B	REMOVE SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT
				SQ FT	EACH	EACH	SQ FT	FOOT	FOOT
US 40									
1992+28	30.0 RT	STOP SIGN	R1-1	9.0			6.3	15.5	
2325+93	24.0 RT	US 40	M1-4	4.0					15
		<- (AHEAD)	M6-3	2.2					
2326+43	24.0 RT	STOP SIGN	R1-1	9.0	1				14
		ALL WAY	R1-4	0.7					
2327+54	24.0 LT	STOP SIGN	R1-1	9.0					14
		ALL WAY	R1-4	0.7					
2327+55	24.0 LT					1			
2328+04	25.0 LT	US 40	M1-4	4.0					16
		<- (AHEAD)	M6-3	2.2					
SUBTOTALS				40.8	1	1	6.3	15.5	59
MAPLE STREET									
99+00	35.5 LT	JCT	M2-1 (BL)	2.2	1				15
		I-70	M1-1	4.0					
99+06	34.0 RT	US 40	M1-4	4.0					15
		<- ->	M6-4	2.2					
99+32	35.0 RT				1				
99+56	47.0 RT	STOP SIGN	R1-1	9.0					14
		ALL WAY	R1-4	0.7					
99+56	30.0 LT	STOP SIGN	R1-1	9.0					14
		ALL WAY	R1-4	0.7					
99+80	20.5 RT					1			
100+40	33.0 RT	MAPLE ST	D3-1	1.4				13.0	
		RT 40	D3-1	1.4					
100+60	22.0 LT	STOP SIGN	R1-1	9.0	1				14
		ALL WAY	R1-4	0.7					
100+60	27.0 LT				1				
101+10	23.0 LT	US 40	M1-4	4.0	1				14
		<- ->	M6-4	2.2					
SUBTOTALS				50.5	5	1	0.0	13.0	86
TOTALS				92	6	2	7	29	145

REMOVAL SCHEDULE								
LOCATION	PAVEMENT REMOVAL	GUTTER REMOVAL	COMBINATION CURB & GUTTER REMOVAL	SIDEWALK REMOVAL	MEDIAN REMOVAL	PIPE CULVERT REMOVAL	REMOVING INLETS	MEDIAN REMOVAL (SPECIAL)
	SQ YD	FOOT	FOOT	SQ FT	SQ FT	FOOT	EACH	SQ FT
US 40								
STA 2086+00 TO STA 2094+41	355.1	841	841					
STA 2094+41 TO STA 2097+16	116.1	275	275					
STA 2099+96 TO STA 2102+28	98.0	232	232					
STA 2102+28 TO STA 2105+03	122.2		275					
STA 2106+58 TO STA 2107+16	24.5	58	58					
STA 2107+16 TO STA 2109+86	120.0		270					
STA 2268+00 TO STA 2296+31	550.5	2831						
STA 2331+60 TO STA 2363+43	618.9	3183						
US 40 & IL 127 INTERSECTION								
SW QUADRANT				117				
SW QUADRANT ISLAND	120.0		65		260			
NW QUADRANT				70				
US 40 & MAPLE STREET INTERSECTION								
NE QUADRANT	39.6		178			21	1	
NW QUADRANT	35.6		160					
SE QUADRANT	37.3		168			61	2	356.3
SW QUADRANT	36.7		165					
SUBTOTALS	2274.5	7420	2687	187	260	82	3	356.3
TOTALS	2275	7420	2687	187	260	82	3	357

MODEL: Default FILE NAME: 202	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	41
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -		SCALE:				SHEET 1 OF 5 SHEETS STA. TO STA.				**FAU 9832, FAS 1751
	PLOT DATE = 5/13/2022	DATE -	REVISED -						CONTRACT NO. 76K46				ILLINOIS FED. AID PROJECT

PAVEMENT MARKINGS SCHEDULE																																																								
LOCATION			LENGTH	THERMOPLASTIC PAVEMENT MARKINGS												PAVEMENT MARKING BLACKOUT TAPE, 4"	SHORT TERM PAVEMENT MARKINGS		SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKINGS						RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS			PAVEMENT MARKING REMOVAL - WATER BLASTING																										
				4- INCH			6- INCH			8- INCH	12- INCH	24- INCH	LETTERS & SYMBOLS	4- INCH	6- INCH					8- INCH	12- INCH	24- INCH	LETTERS & SYMBOLS	2-WAY	1-WAY																															
				SOLID LINE	SKIP- DASH	DOTTED LINE	SOLID LINE	SKIP- DASH	SOLID LINE	SOLID LINE	SOLID LINE	SOLID LINE		SOLID LINE	SOLID LINE					SOLID LINE	SOLID LINE	SOLID LINE			AMBER		AMBER	CRYSTAL																												
				WHITE	YELLOW	YELLOW	WHITE	WHITE	YELLOW	YELLOW	WHITE	WHITE	WHITE	WHITE	FOOT		SO FT	FOOT	FOOT	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	EACH	EACH	EACH	SQ FT																								
US 40																																																								
1933+62	TO	1938+35	473	835	1470											12	72	24	2305						31.2	25	4	21		1538																										
1938+35	TO	1942+01	366	850	980											80	52	22	1830						28	6	19	3		1284																										
1942+01	TO	1948+71	670	732	1040		74						370	115		218.4	64	48	1846				370	115	218.4	68	34	12	22		2868																									
1948+71	TO	1955+92	721	1630	2464									50		31.2	20	116	46	4094				50	31.2	49	16	28	5		2992																									
1955+92	TO	1985+03	2911	5822		730											268	90	6552							37	37				4368																									
1985+03	TO	2001+03	1600	3700			114									156.0	124	232	119	3814					156.0	96	28	52	16		2856																									
2001+03	TO	2086+53	8550	17100		2140											780	260	19240							107	107				12828																									
2086+53	TO	2096+73	1020	2040	1020	260										836	96	311	3320							13	13				2214																									
2096+73	TO	2102+38	565	1130	1130											1544	52	532	2260							8	8				1508																									
2102+38	TO	2114+38	1200	2400	1200	300										4217	112	1443	3900							15	15				2600																									
2114+38	TO	2165+00	5062	10124		1265											464	155	11389							64	64				7594																									
2165+00	TO	2300+13	13513	27026		3376											1232	411	30402							169	169				20268																									
2165+00	TO	2307+13	14213	1400	170	700											1296	432	2270							178	178				1514																									
2307+13	TO	2312+73	560	1120		140											52	18	1260							7	7				840																									
2312+73	TO	2318+23	550	1100	550	140											52	18	1790							7	7				1194																									
2318+23	TO	2325+48	725	1792		232											68	23	2024							14	14				1350																									
2325+48	TO	2327+27	179	218		28								22			20	7	246					22		7	7				252																									
2327+27	TO	2328+52	125					222		28				24			12	4			250			24		2	2				346																									
2328+52	TO	2343+58	1506					2848		362							140	47			3210					19	19				3210																									
2343+58	TO	2354+38	1080					2160	1080	270							100	34			3510					14	14				3510																									
2354+38	TO	2363+23	885					1770	1770								84	28			3540					12	12				3540																									
MAPLE STREET																																																								
98+70	TO	99+60	90	180	23							90		14			12	4	203			90		14		4	2		2		312																									
99+60	TO	99+89	29	58								134	99	22			20	4	8	58			134	99	22		1	1			504																									
100+12	TO	100+42	30	60	8												4	2	68					0		1	1				46																									
100+42	TO	101+35	93	186										22			12	4	186					22		2	2				212																									
TOTALS			99057			10510			224			469			269			436.8			6597			5652			4090			99057			10510			224			469			269			436.8			947			947			79748		

SIDEWALK & MEDIAN SCHEDULE											
STATION	OFFSET	TO	STATION	OFFSET	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS	COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.06	CONCRETE MEDIAN SURFACE, 4 INCH	CURB REFLECTORS	PAINT PAVEMENT MARKING - RAISED MEDIAN	NOTES
					SQ FT	SQ FT	FOOT	SQ FT	EACH	SQ FT	
US 40											
1947+01	73.5' RT	TO	1947+19	59.2' RT	117	11					SWQ AT IL 127
1947+32	20.2' RT	TO	1947+59	21.7' RT	69	21	80.0	273	14	52	SWQ ISLAND AT IL 127
1947+48	55.0' LT	TO	1947+52	40.5' LT	70	11					NWQ AT IL 127
TOTALS					256	43	80.0	273	14	52	

GUARDRAIL SCHEDULE										
STATION	TO	STATION	LENGTH OF NEED	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 6B	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL	NOTES
			FOOT	FOOT	EACH	EACH	EACH	EACH	FOOT	
2086+67	TO	2097+29	1062.5	1000.0	1	1	1	7	1063	WESTBOUND US 40 @ SN 003-0018
2086+67	TO	2097+29	1062.5	1000.0	1	1	1	7	1063	EASTBOUND US 40 @ SN 003-0018
2099+83	TO	2105+22	550.0	450.0		2		6	550	WESTBOUND US 40 @ SN 003-0018 & 0019
2099+83	TO	2105+10	525.0	425.0		2		6	525	EASTBOUND US 40 @ SN 003-0018 & 0019
2106+51	TO	2114+39	787.5	725.0	1	1	1	6	788	WESTBOUND US 40 @ SN 003-0019
2106+39	TO	2114+39	800.0	737.5	1	1	1	6	800	EASTBOUND US 40 @ SN 003-0019
SUBTOTALS				4337.5	4	8	4	38	4789	
TOTALS				4338	4	8	4	38	4789	

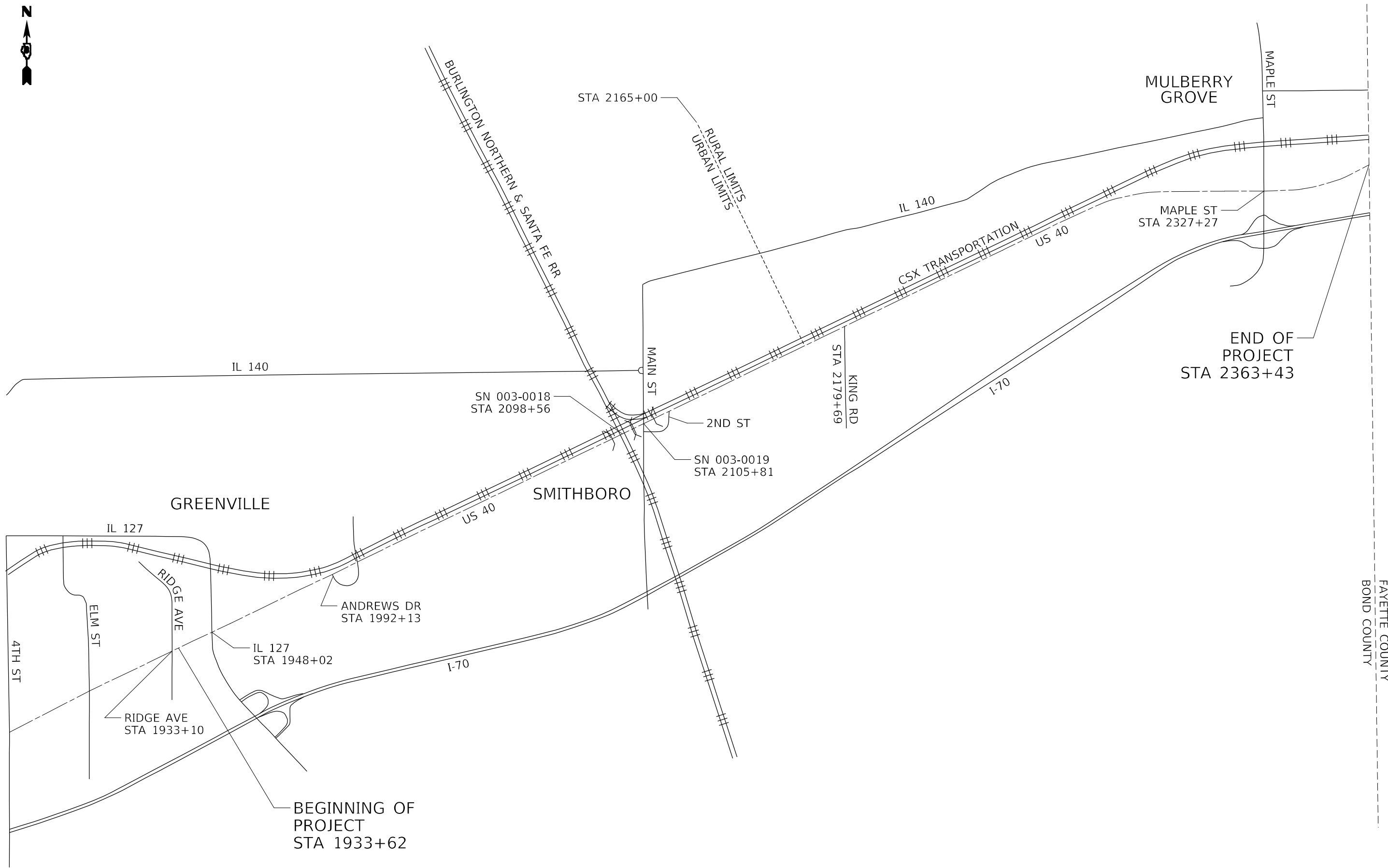
	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES				**FA, RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	42
	PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -						**FAU 9832, FAS 1751				
	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:				SHEET 2	OF 5	SHEETS	STA.	TO STA.
									ILLINOIS				FED. AID PROJECT
								CONTRACT NO. 76K46					

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RESURFACING SCHEDULE																			
LOCATION			LENGTH	EXCAVATING AND GRADING EXISTING SHOULDER	HMA SURFACE REMOVAL , 3 3/4"	HMA SURFACE COURSE , 1L-9.5 , MIX "C" , N70 1 1/2"	HMA BINDER COURSE , 1L-19.0 , N70 2 1/4"	PCC BASE COURSE WIDENING 9"	LONGITUDINAL JOINT SEALANT	PAVED SHOULDER REMOVAL	AGGREGATE WEDGE SHOULDER , TYPE B	HMA SHOULDERS , 8 INCH	HMA SHOULDERS	CONCRETE GUTTER , TYPE B	SUBBASE GRANULAR MATERIAL , TY C	SHOULDER RUMBLE STRIPS , 8 INCH	BITUMINOUS MATERIALS (TACK COAT)	PCC PAVEMENT SURFACE REMOVAL	NOTES
STATION	TO	STATION	FOOT	UNIT	SO YD	TON	TON	SO YD	FOOT	SO YD	TON	SO YD	TON	FOOT	CU YD	FOOT	POUND	SO YD	
US 40																			
1933+62	TO	1934+03	41	1	101	9	13		41	10	3	37				82	68		
1934+03	TO	1937+02	299	6	914	77	116		598	67	15	266				598	617		
1937+02	TO	1941+02	400	8	1467	124	185		800	89	20	356				800	990		
1941+02	TO	1943+35	233	5	855	72	108		466	156	12	208				466	577		
1943+35	TO	1945+75	240	3	1134	87	130		720	80	12	107	23			480	741		
1945+75	TO	1948+02	227	3	2092	176	264		681	152	15	202				454	1412		
1948+02	TO	1950+71	269	6	1925	162	243		538	180	15	240				538	1299		
1950+71	TO	1955+93	522	11	1595	134	201		1044	348	29	464				1044	1077		
1955+93	TO	1985+09	2916	59	7128	599	899		2916		180	2592				5832	4812		
1985+09	TO	1986+09	100	1	289	21	31		100	42	5	89	10		2	200	185		
1986+09	TO	1986+69	60		227	15	22		60		3		12			120	141		
1986+69	TO	1989+09	240		1200	83	125		480		12		45			480	762		
1989+09	TO	1992+13	304		1892	137	205		608		16		57			608	1216		
1992+13	TO	1997+15	502		2833	201	301		1168		25		94			1004	1812		
1997+15	TO	2000+15	300		1506	127	190		300	200	15	200			4	600	1016		
2000+15	TO	2001+15	100		334	21	31		100		5		19			200	205		
2001+15	TO	2086+00	8485	170	20742	1743	2614		8485		498	7543				16970	14001		
2086+00	TO	2094+41	841	17	2056	173	260		841		42	748			75	1682	1388		
2094+41	TO	2097+16	275	6	673	64	85		275		14	245			25	550	454		
2097+16	TO	2099+96	280						280										SN 003-0018
2099+96	TO	2102+28	232	5	568	55	72		232		12	207			21	464	383		
2102+28	TO	2105+03	275	6	673	66	85		275		14	245			16	550	454		
2105+03	TO	2106+58	155						155										SN 003-0019
2106+58	TO	2107+16	58	2	142	21	18		58		3	52			6	116	96		
2107+16	TO	2109+86	270	6	660	56	84		270		14	240			15	540	446		
2109+86	TO	2115+76	590	12	1443	122	182		590		30	525				1180	974		
2115+76	TO	2165+00	4924	99	12037	1012	1517		4924		244	4377				9848	8125		
2165+00	TO	2178+05	1305	27	3190	268	402		1305		65	1160				2610	2154		
2165+00	TO	2268+00	10300	206	25178	2115	3173		10300		509	9156				20600	16995		
2268+00	TO	2296+31	2831	57	6921	582	872		2831		140	2517			105	5662	4672		
2296+31	TO	2325+48	2917	59	7131	599	899		2917		145	2593				5834	4814		
2325+48	TO	2325+95	47		58	5	8		47								39		
2325+95	TO	2328+40	245		599	51	76		245								405		
2328+40	TO	2328+52	12		15	2	2		12		1						10		
2328+52	TO	2331+60	308	4	753	64	95		308		16						509		
2331+60	TO	2363+43	3183	32	7781	654	981		3183		164			3183	118		5252		
MAPLE STREET																			
98+70	TO	99+88	118		458	63	104	40	119		22	191			55		515	252	
100+12	TO	101+35	123		533	45	67		123		22	188			54		360		
TOTALS				811	117103	9805	14660	40	48395	1324	2337	34748	260	3183	496	80112	78976	252	

EROSION CONTROL SCHEDULE									
LOCATION	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
	ACRE	POUND	POUND	POUND	ACRE	POUND	FOOT	FOOT	EACH
US 40									
STA 1950+85 TO STA 1954+48	0.09	8.1	8.1	8.1	0.09	9.0	9	363.0	2
US 40 & MAPLE STREET INTERSECTION									
NE QUADRANT	0.11	9.9	9.9	9.9	0.11	32.4		209.3	
NW QUADRANT	0.09	8.1	8.1	8.1	0.09	25.8		152.5	
SE QUADRANT	0.09	8.1	8.1	8.1	0.09	27.3		230.5	1
SW QUADRANT	0.16	14.4	14.4	14.4	0.16	47.4	15		1
SUBTOTALS	0.54	48.6	48.6	48.6	0.54	141.9	24	955.3	4
TOTALS	0.75	68	68	68	0.75	142	24	956	4

	USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES			**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	43
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -					**FAU 9832, FAS 1751	CONTRACT NO. 76K46			
	PLOT DATE = 5/13/2022	DATE -	REVISED -		SCALE:	SHEET 3	OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



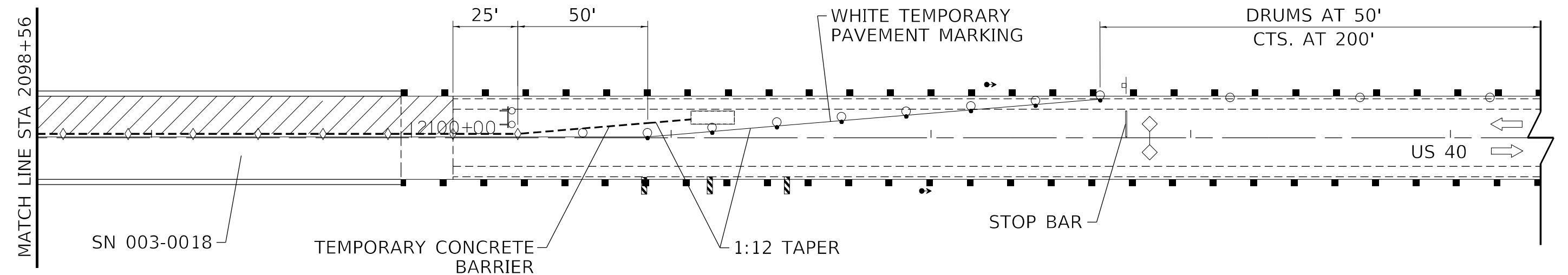
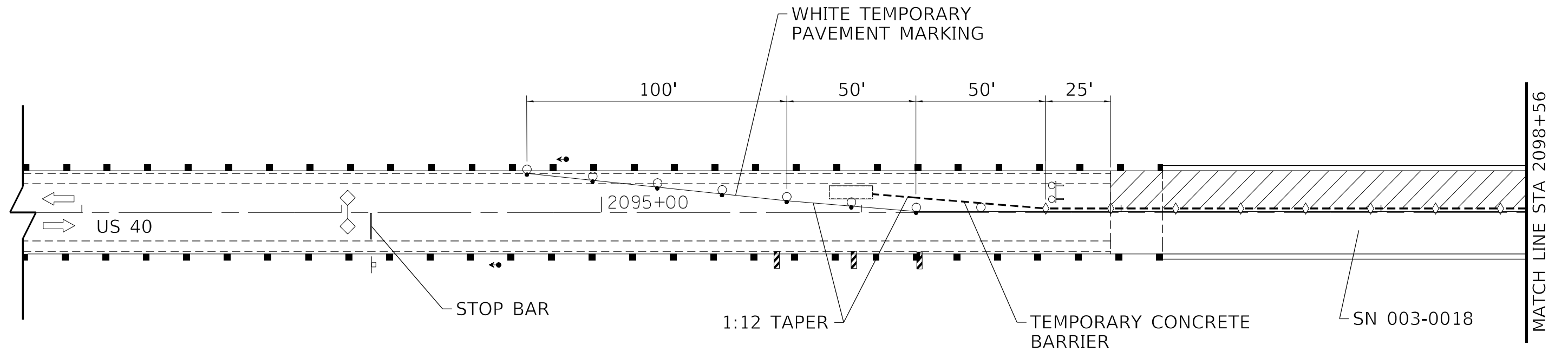
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		DRAWN	-	REVISED	-
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PLOT DATE	= 5/13/2022	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP					
SCALE: NTS	SHEET 1	OF 1	SHEETS	STA. 1933+62	TO STA. 2363+43

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	46
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- | | | | |
|--|---|--|---|
| | WORK AREA | | DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT |
| | TEMPORARY CONCRETE BARRIER | | SIGN |
| | TYPE III BARRICADE WITH FLASHING LIGHTS | | DOUBLE VERTICAL PANEL |
| | IMPACT ATTENUATOR | | CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR |
| | | | DRUM |



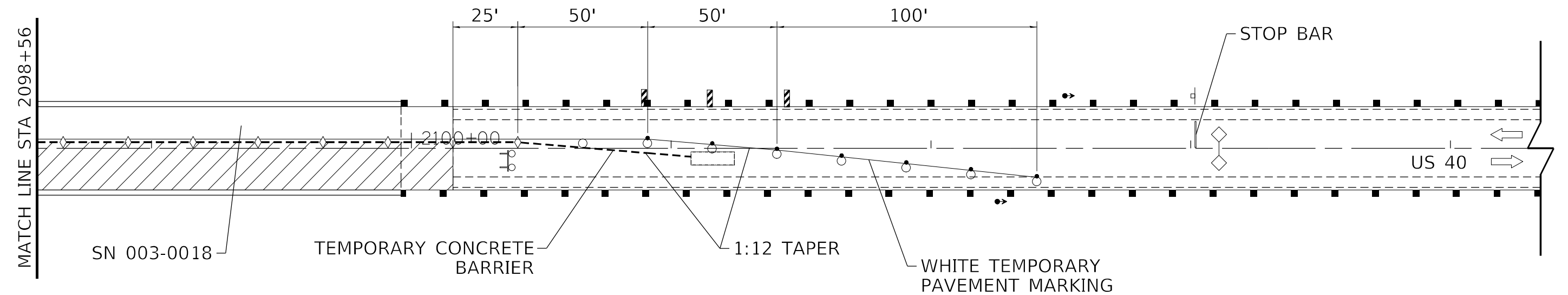
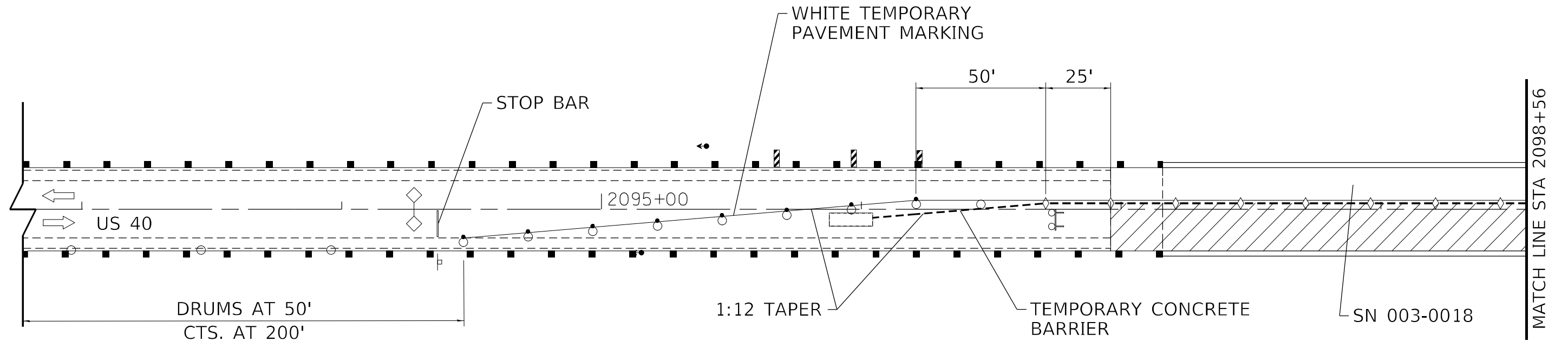
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SCALE IN FEET

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION
SN 003-0018

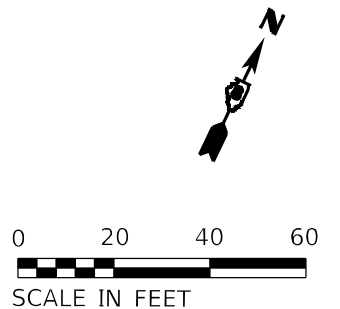
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	47
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- WORK AREA
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- SIGN
- DOUBLE VERTICAL PANEL
- CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- DRUM

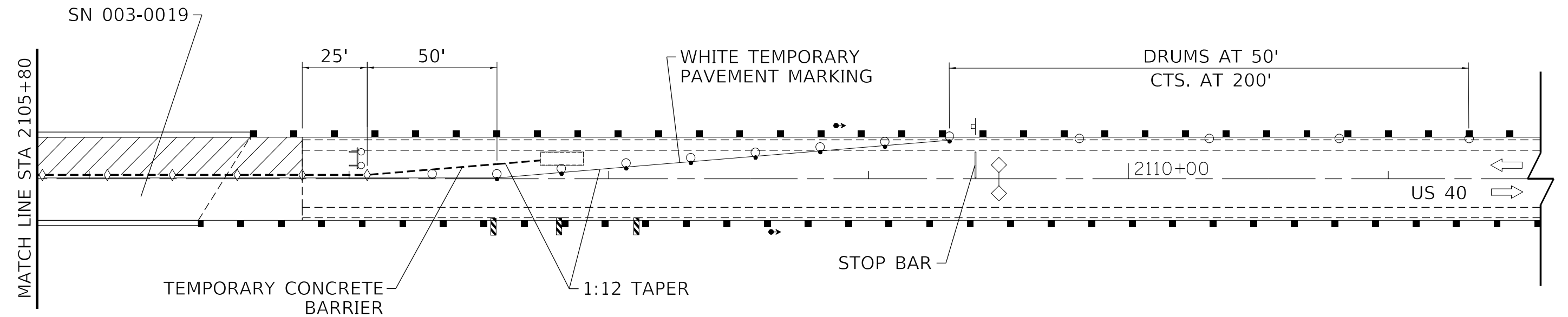
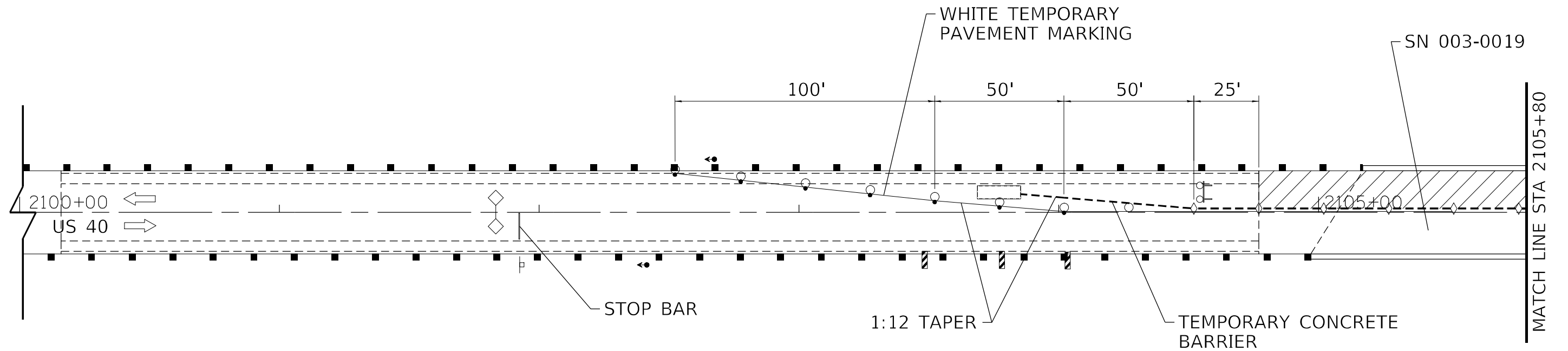


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION
SN 003-0018

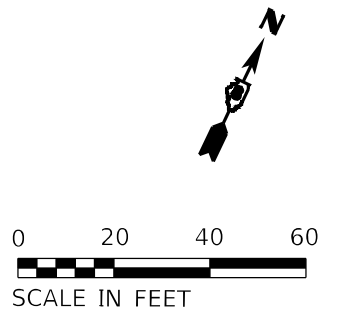
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	48
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		



LEGEND

- | | | | |
|--|---|--|---|
| | WORK AREA | | DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT |
| | TEMPORARY CONCRETE BARRIER | | SIGN |
| | TYPE III BARRICADE WITH FLASHING LIGHTS | | DOUBLE VERTICAL PANEL |
| | IMPACT ATTENUATOR | | CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR |
| | | | DRUM |

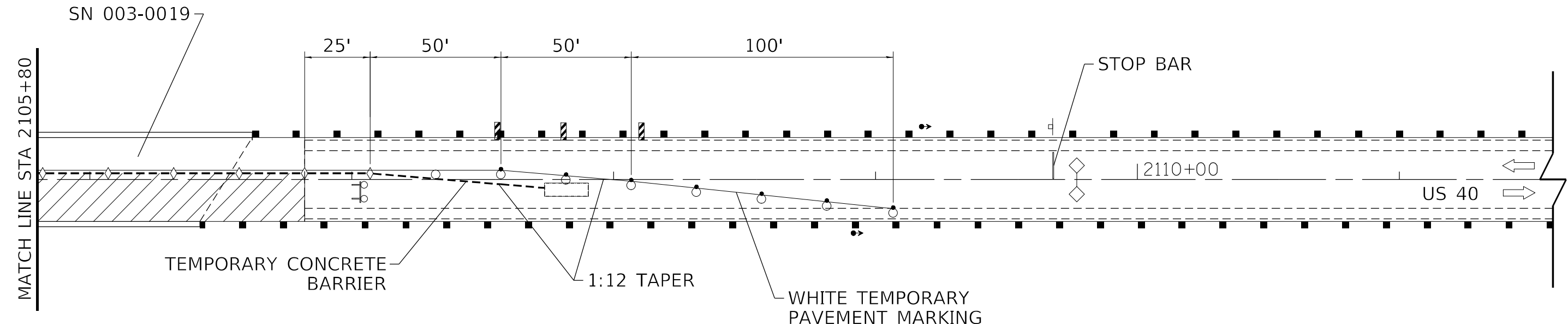
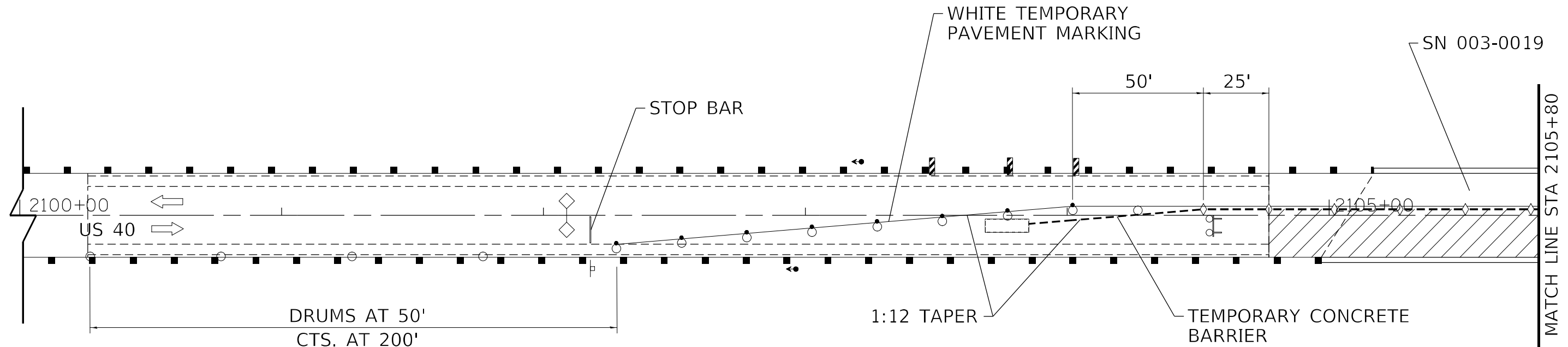


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION
SN 003-0019

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	49
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- WORK AREA
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- SIGN
- DOUBLE VERTICAL PANEL
- CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- DRUM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION
SN 003-0019

**F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1		BOND	113	50
**FAU 9832, FAS 1751			CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT		

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NOTES

- ALL ELEVATIONS RELATIVE,
NOT USGS MEASUREMENTS

USER NAME = humphreysb
DRAWN -
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 5/13/2022

DESIGNED -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SHEET

STA 1950+85 TO STA 1954+48

SCALE: NTS SHEET 1 OF 1 SHEETS STA. 1950+55 TO STA. 1954+48

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	51
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		

Ⓐ
STATION
1950+85

Ⓑ₁
STATION
1950+95

Ⓒ
STATION
1951+65

Ⓓ
STATION
1952+00

Ⓔ
STATION
1952+35

ELEV.
100.00

ELEV. 102.66
ELEV. 101.11
ELEV. 100.90
1V:3H
ELEV. 104.28
ELEV. 102.75
4.0%
ELEV. 104.38

ELEV. 102.92
ELEV. 101.27
ELEV. 101.40
1V:3H
ELEV. 104.57
ELEV. 102.96
4.0%
ELEV. 104.72

ELEV. 101.53
ELEV. 101.16
ELEV. 100.94
1V:3H
ELEV. 104.89
ELEV. 104.27
4.0%
ELEV. 104.89

ELEV. 102.32
ELEV. 100.94
ELEV. 101.31
1V:3H
ELEV. 105.00
ELEV. 103.42
4.0%
ELEV. 105.03

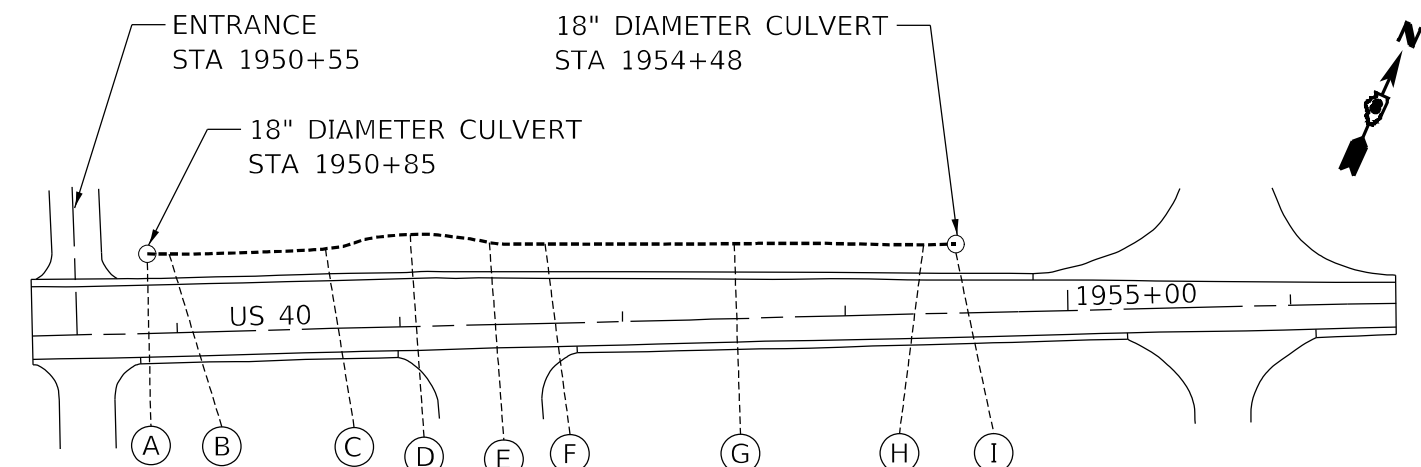
ELEV. 103.42
ELEV. 101.32
ELEV. 101.78
1V:3H
ELEV. 105.07
ELEV. 103.13
4.0%
ELEV. 105.11
Ⓕ
STATION
1952+60

ELEV. 103.32
ELEV. 101.57
ELEV. 101.28
1V:3H
ELEV. 105.28
ELEV. 103.43
4.0%
ELEV. 105.48
Ⓖ
STATION
1953+45

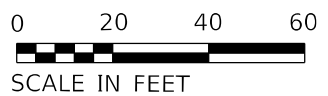
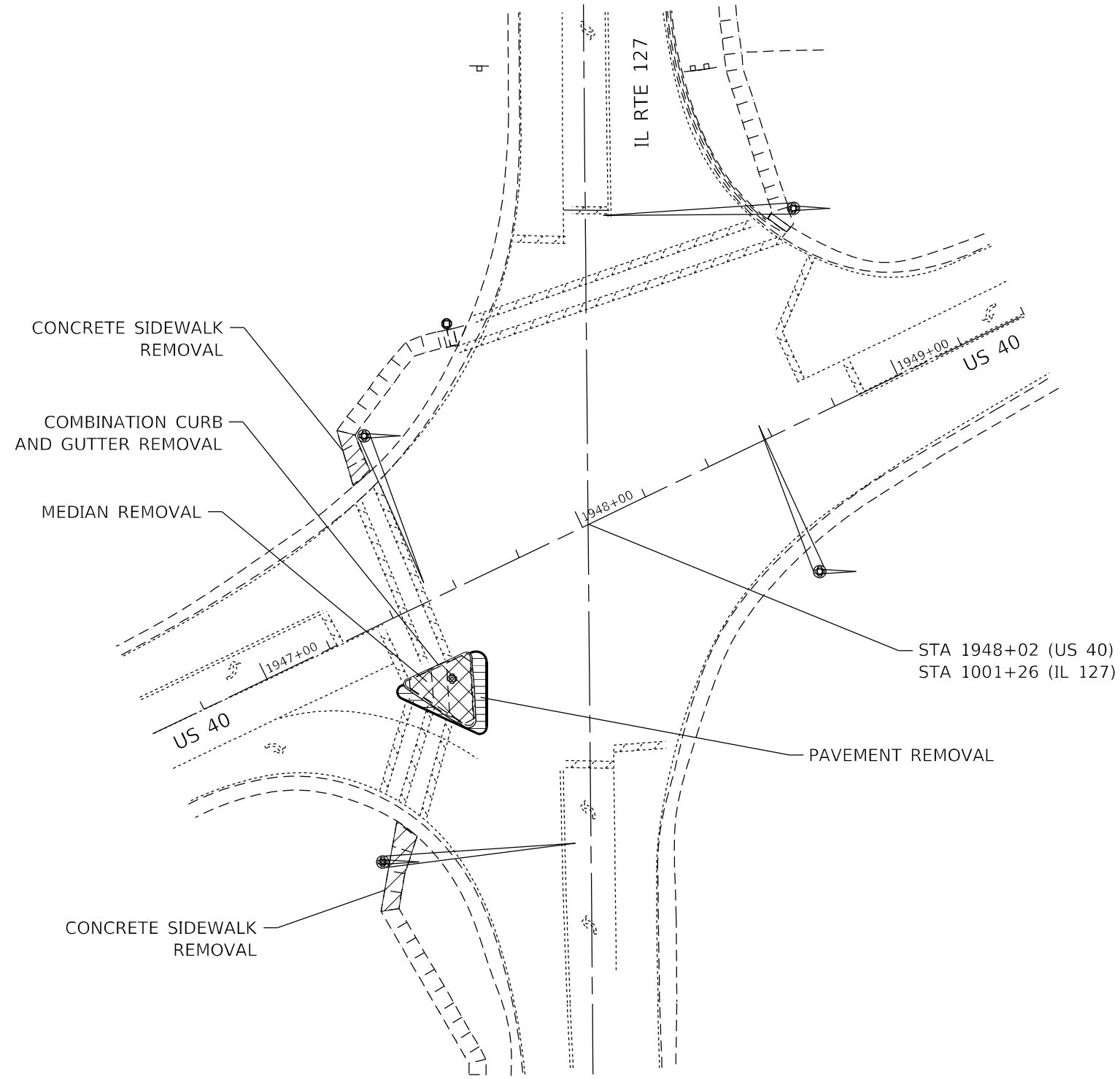
ELEV. 103.46
ELEV. 101.71
ELEV. 102.49
1V:3H
ELEV. 105.79
ELEV. 103.99
4.0%
ELEV. 105.92
Ⓖ
STATION
1954+35

ELEV.
101.04

Ⓖ
STATION
1954+48



NOT TO SCALE



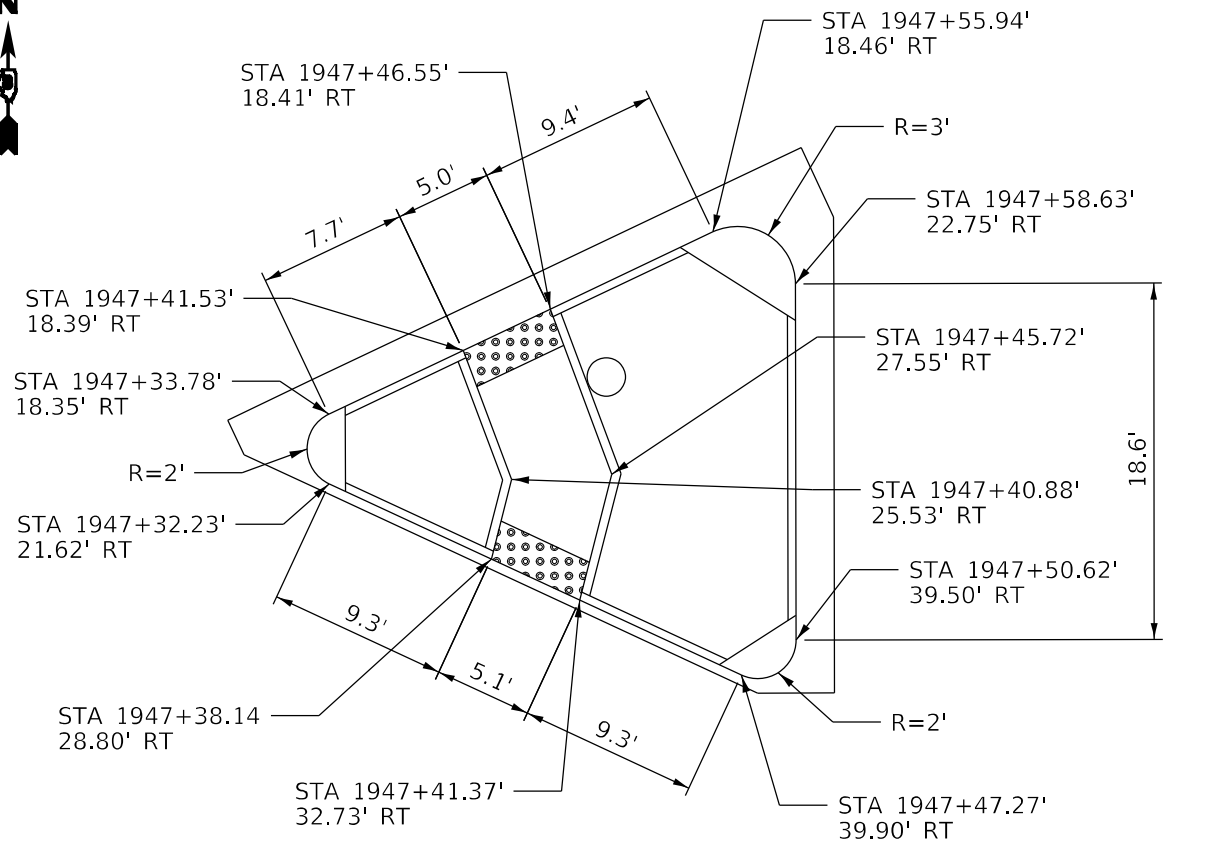
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PLOT SCALE	= 40,0000 * / in.	CHECKED	-	REVISED	-
PLOT DATE	= 5/13/2022	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 40 & IL 127 INTERSECTION PROPOSED REMOVAL				
SCALE: 1" = 20'	SHEET 1	OF 2	SHEETS	STA. TO STA.

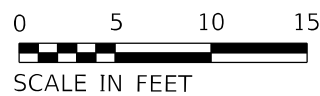
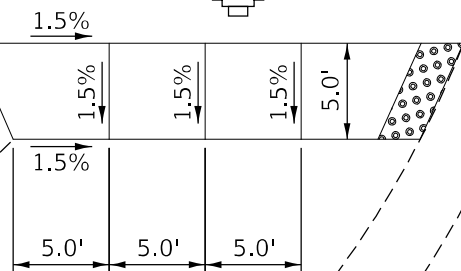
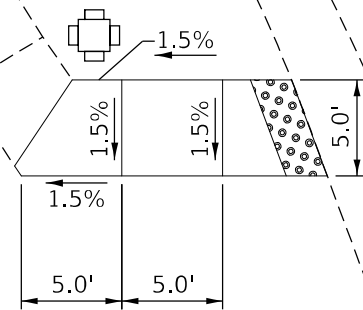
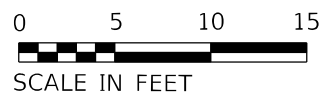
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**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



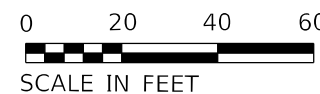
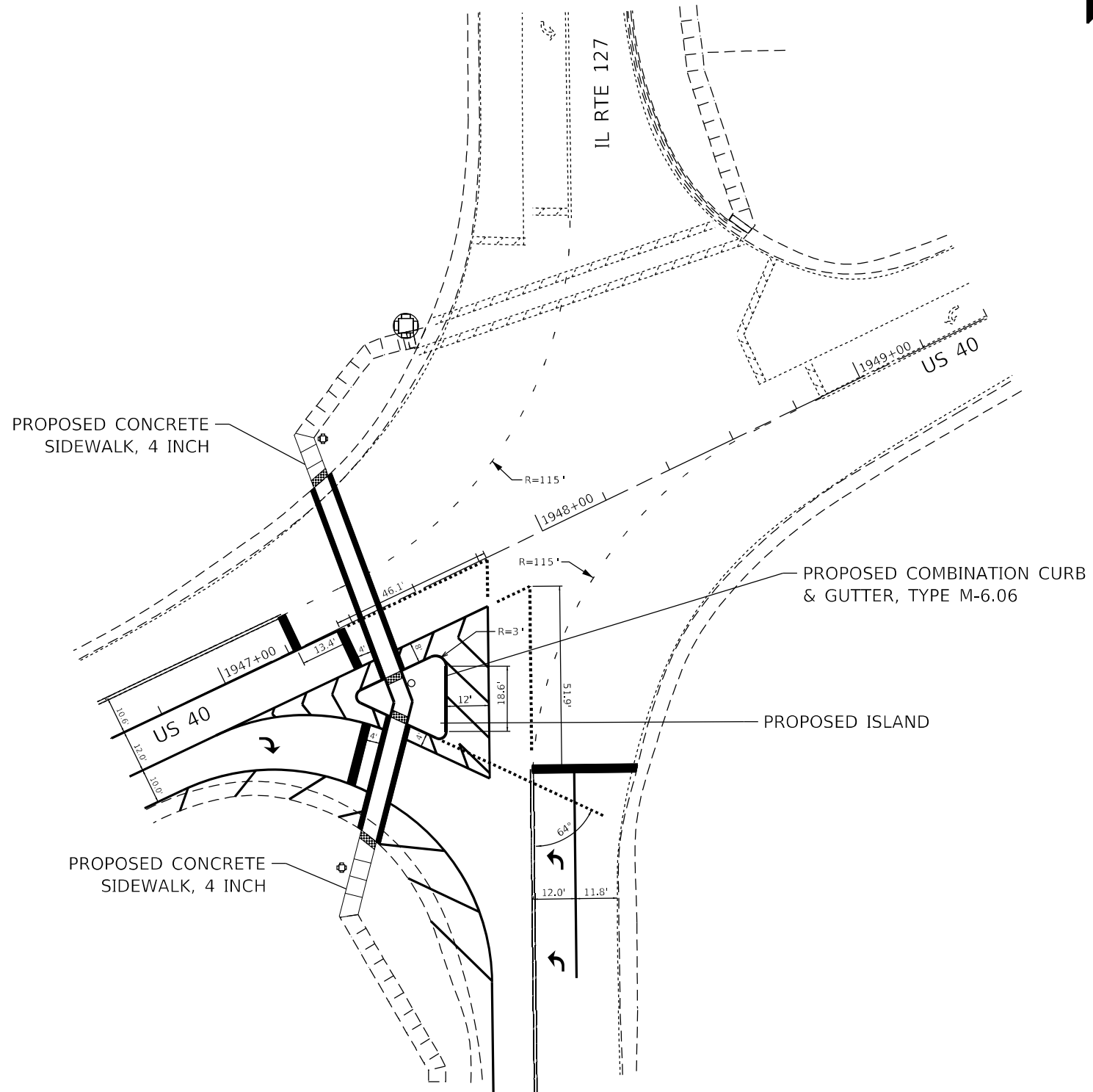
**SOUTHWEST
QUADRANT ISLAND**



**SOUTHWEST QUADRANT
SIDEWALK**



**NORTHWEST
QUADRANT SIDEWALK**



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 40 & IL 127 INTERSECTION
PROPOSED RECONSTRUCTION**

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

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
** (Q-1,X-1,F-1)RS-2, Q-1VBDR-1		BOND	113	53
**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
	ILLINOIS	FED. AID PROJECT		

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INTERSECTION IMPROVEMENTS
INDEX OF SHEETS

SHEET NO.	ITEM
1	INTERSECTION IMPROVEMENTS BILL OF MATERIALS AND NOTES
2	PAVEMENT DETAILS
3	ALIGNMENT, TIES, AND BENCHMARKS
4	REMOVAL DETAILS
5	INTERSECTION IMPROVMENT PLAN
6	EROSION CONTROL DETAILS
7	PAVEMENT MARKING DETAILS
8-18	CROSS SECTIONS

INTERSECTION IMPROVEMENTS
GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITION IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- ALL ELEVATIONS REFER TO THE NAVD 88 DATUM.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORTS



Drew S. Ruhoff 05/12/2022
EXPIRES 11-30-2023

BILL OF MATERIALS			
CODE NO.	ITEM	UNIT	MAPLE ST. INTERSECTION IMPROVEMENTS QUANTITIES
20200100	EARTH EXCAVATION	CU YD	195
25000210	SEEDING, CLASS 2A	ACRE	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	41
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	41
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	41
25100115	MULCH, METHOD 2	ACRE	0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	133
28000305	TEMPORARY DITCH CHECKS	FOOT	15
28000400	PERIMETER EROSION BARRIER	FOOT	592
28000500	INLET AND PIPE PROTECTION	EACH	2
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	108
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	40
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1327
40600370	LONGITUDINAL JOINT SEALANT	FOOT	545
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	33
40600990	TEMPORARY RAMP	SQ YD	114
40603085	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TON	255
40604052	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "C", N70	TON	164
44000100	PAVEMENT REMOVAL	SQ YD	149
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	1661
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	671
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	43
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	378
50105220	PIPE CULVERT REMOVAL	FOOT	82
60500060	REMOVING INLETS	EACH	3
70108815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	42
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	1006
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	322
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	69
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	101
72000100	SIGN PANEL - TYPE 1	SQ FT	82
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	13
73000100	WOOD SIGN SUPPORT	FOOT	145
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	42
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1006
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	322
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	69
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	101
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	862
84403700	MEDIAN REMOVAL (SPECIAL)	SQ FT	356
20013798	CONSTRUCTION LAYOUT	L SUM	0.4
20042200	PORTLAND CEMENT CONCRETE PAVEMENT SURFACE REMOVAL	SQ YD	252

REV. - MS

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 BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1970 WEST LAFAYETTE AVE. JACKSONVILLE, IL 62650 PHONE: 217-245-4146 FAX: 217-245-4149 IL DESIGN FIRM REGISTRATION NO. 184-000832	USER NAME = druholl	DESIGNED = DSR	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENTS BILL OF MATERIALS AND NOTES FAU 9832/FAS 1751 (US 40)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN = DSR	REVISED =			*	(Q-1,X-1,F-1)RS-2,Q-1VBDR-1	BOND	108	54
	PLOT DATE = 5/12/2022	CHECKED = WJS	REVISED =			* F.A.U. 9832/ F.A.S. 1751 CONTRACT NO. 76K46				
	DATE = 03-16-2022	REVISED =	ILLINOIS FED. AID PROJECT							
	SCALE:		SHEET 1 OF 18 SHEETS			STA. TO STA.				



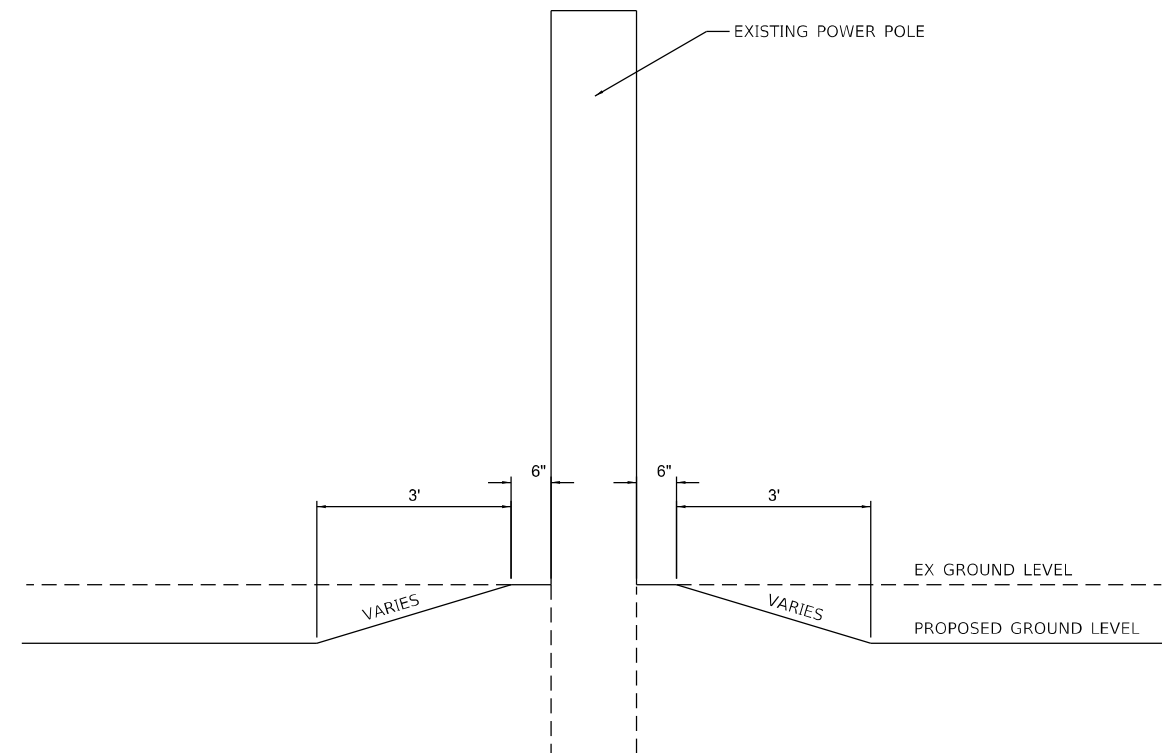
EXISTING TYPICAL SECTION
US 40/MAPLE LN INTERSECTION
(NOT TO SCALE)

A cross-sectional diagram of a proposed pavement structure. The diagram shows a vertical cross-section of a road surface. At the top, a horizontal double-headed arrow labeled "VARIES" indicates the width of the surface course. Below this, a solid line represents the "PROPOSED HMA SURFACE COURSE 1 1/2\". Below the surface course, a dashed line represents the "PROPOSED HMA BINDER COURSE ±6\" (2 LIFTS ± 3\"). Below the binder course, a solid line represents the "PROPOSED PCC BASE COURSE WIDENING 9\". At the bottom, a dashed line represents the "BITUMINOUS MATERIALS (TACK COAT)". Arrows point from each label to its corresponding layer in the cross-section.

PROPOSED TYPICAL SECTION US 40/MAPLE LN INTERSECTION

PROPOSED TYPICAL SECTION US 40/MAPLE LN INTERSECTION

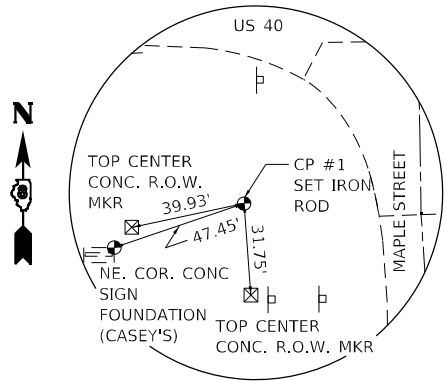
	HMA SURFACE COURSE REMOVAL
	PAVEMENT REMOVAL
	CURB & GUTTER/ GUTTER REMOVAL
	EARTH EXCAVATION



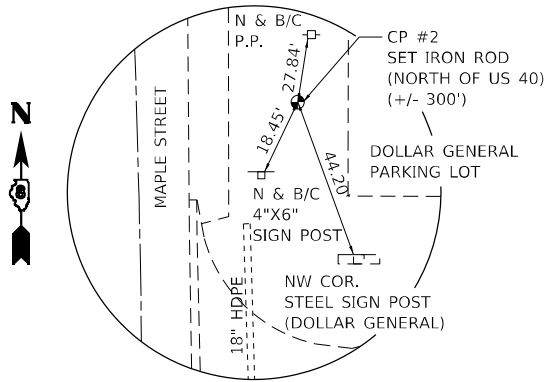
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT DETAILS (MAPLE ST. & US 40)

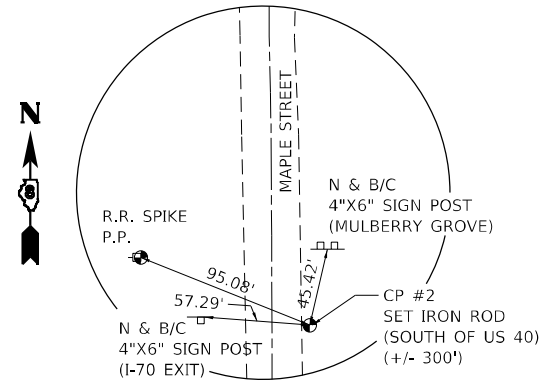
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(Q-1,X-1,F-1)RS-2,Q-1VBD-R1	BOND	108	55
* F.A.U. 9832/ F.A.S. 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		



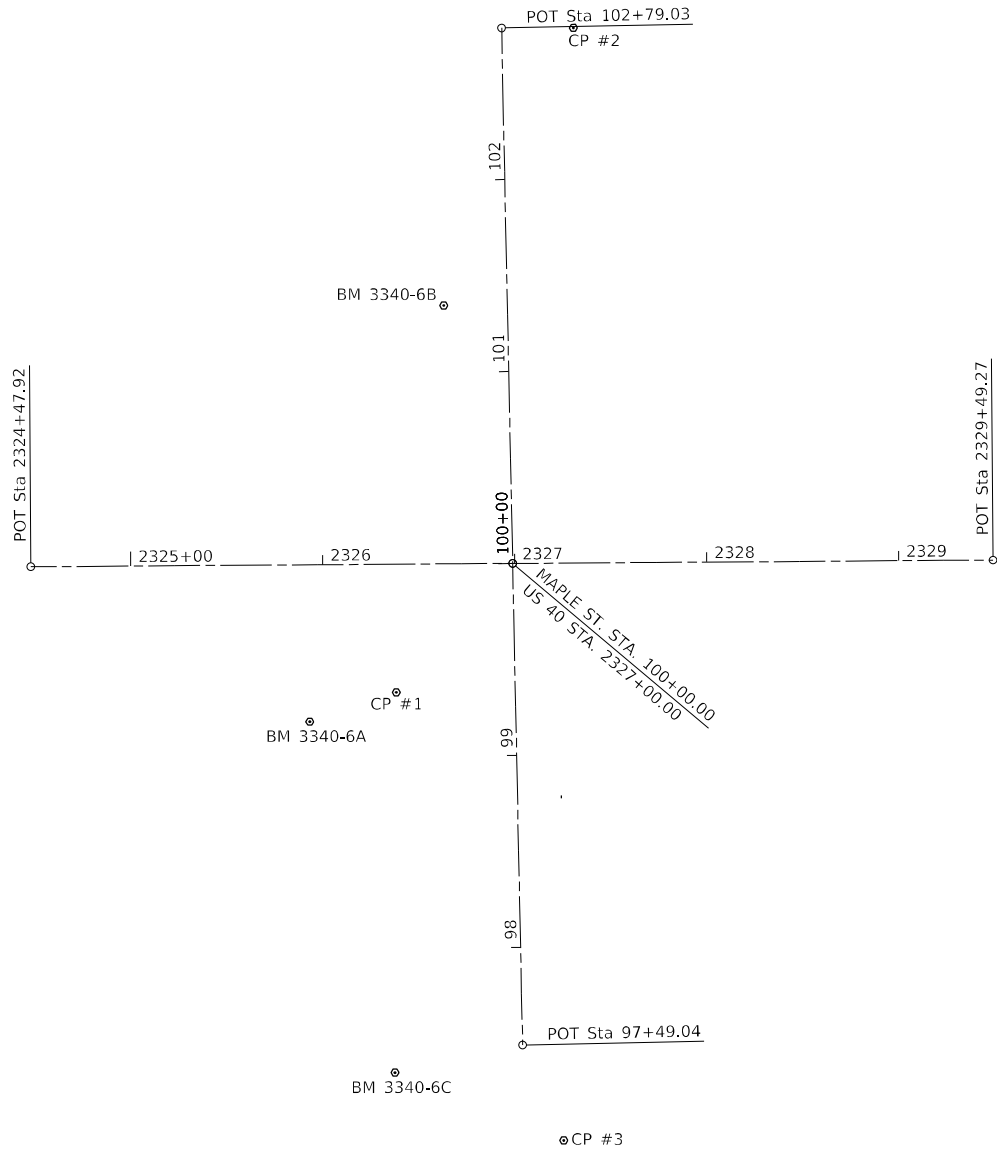
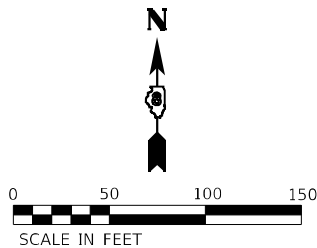
CONTROL POINT #1
SET 5/8" IRON ROD



CONTROL POINT #2
SET 5/8" IRON ROD



CONTROL POINT #3
SET 5/8" IRON ROD



BM #3340-6A
CHISELED "□" TOP NORTHEAST CONER OF
CONCRETE SIGN FOUNDATION FOR "CASEY'S" AT
THE SOUTHWEST CORNER OF U.S. 40 AND
MAPLE STREET.

BM #3340-6B
"M" IN "MUELLER" TOP FLANGE OF FIRE
HYDRANT ON THE WEST SIDE OF MAPLE STREET
AND 140 FEET +/- NORTH OF THE CENTERLINE
OF U.S. 40.

BM #3340-6C
RAILROAD SPIKE IN POWER POLE ON THE WEST
SIDE OF MAPLE STREET AND 270 FEET +/-
SOUTH OF U.S. 40.

POINT	STATION	NORTHING	EASTING
P.O.T.	97+49.04	820957.544	2552008.226
P.O.T.	102+79.03	821487.417	2551997.302
P.O.T.	2324+47.92	821206.720	2551751.984
P.O.T.	2329+49.27	821209.995	2552253.323
	100+00.00	821208.451	2552003.053
	2326+99.17		

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BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
1910 WEST LAFAIETTE AVE.
JACKSONVILLE, IL 62250
PHONE: 217-245-4140 FAX: 217-245-4149
IL DESIGN FIRM REGISTRATION NO. 184-000832

USER NAME = drunoll	DESIGNED - DSR	REVISED -
DRAWN - DSR	REVISED -	
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PLOT DATE = 5/12/2022	DATE - 03-16-2022	REVISED -

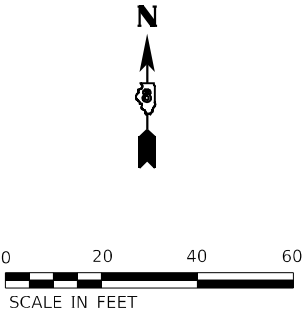
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS (MAPLE ST. & US 40)			
SCALE:	SHEET 3	OF 18 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(Q-1,X-1,F-1)RS-2,Q-1VBDR-1	BOND	108	56
* F.A.U. 9832/ F.A.S. 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	

NW QUADRANT	
LOCATION	GRADING TRANSITIONS (V:H)
STA.	FRONT SLOPE
0+00.00	1:4
0+35.00	1:20
1+10.00	1:20
1+60.00	1:10
1+87.13	1:10

NE QUADRANT	
LOCATION	GRADING TRANSITIONS (V:H)
STA.	FRONT SLOPE
0+00.00	1:3
0+42.00	1:3
0+95.00	1:10
1+80.00	1:10
1+95.00	1:20
2+15.00	1:20
2+34.98	1:4



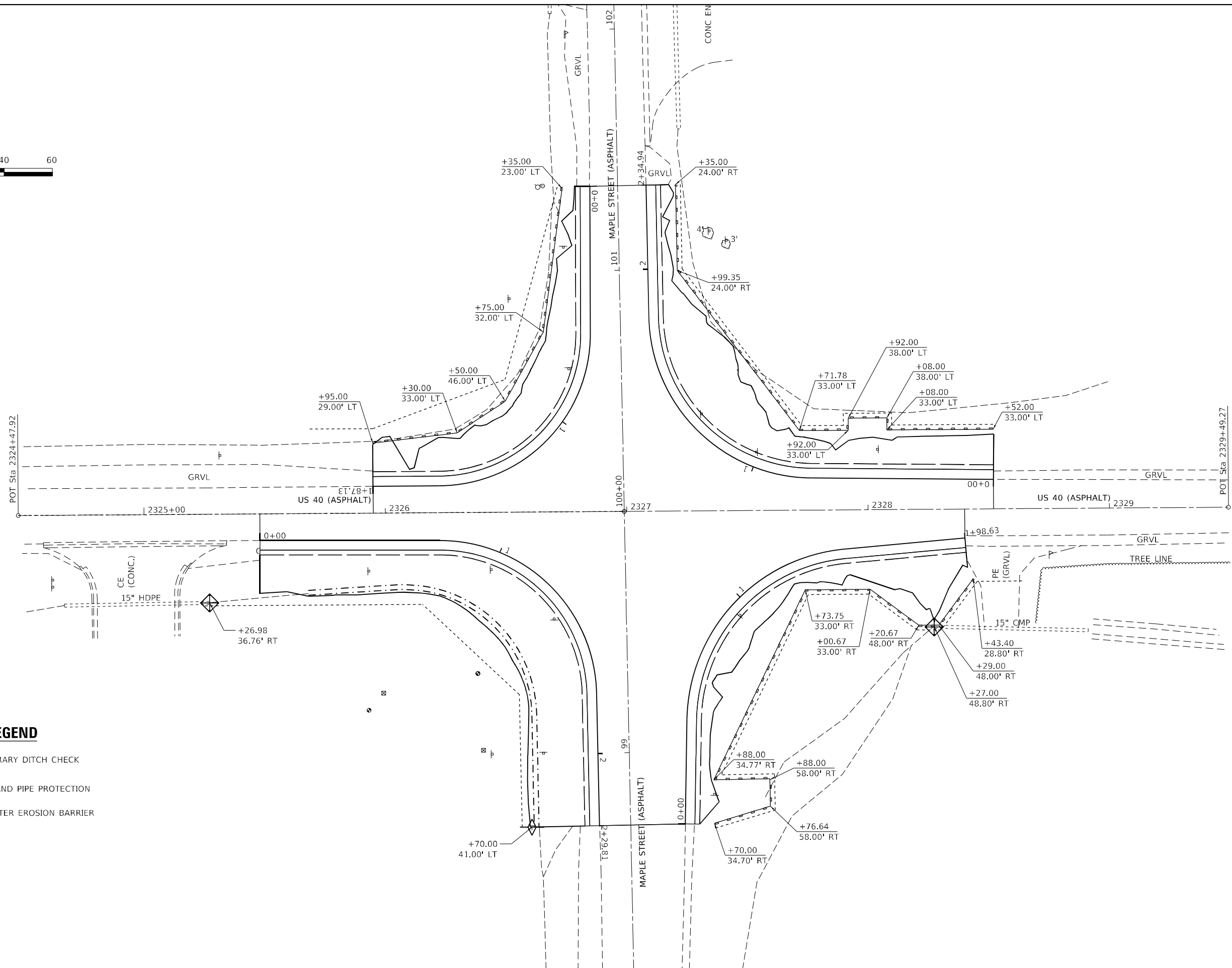
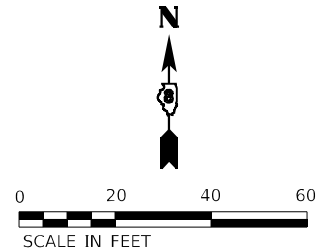
SW QUADRANT (SEE NOTE 1)	
LOCATION	GRADING TRANSITIONS (V:H)
STA.	FRONT SLOPE AND BACK SLOPE
0+00.00	VARIABLE FRONT SLOPE WITH 1:3 BACK SLOPE
2+29.81	VARIABLE FRONT SLOPE WITH 1:3 BACK SLOPE

NOTE 1: SEE PLAN CALL OUT FOR THE ELEVATION OF THE DITCH HIGH POINT.

SE QUADRANT	
LOCATION	GRADING TRANSITIONS (V:H)
STA.	FRONT SLOPE
0+00.00	1:4
0+25.00	1:10
1+25.00	1:10
1+75.00	1:3 (1:2 BARN SLOPE @ 16FT FROM EOP)
1+90.00	1:3 (1:2 BARN SLOPE @ 16FT FROM EOP)
1+98.63	1:10

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 BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS - LAND SURVEYORS 1910 WEST LAFAIETTE AVE. JACKSONVILLE, IL 62550 PHONE: 217-245-4140 FAX: 217-245-4149 IL DESIGN FIRM REGISTRATION NO. 184-000832	USER NAME = drunoll	DESIGNED - DSR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENT PLAN (MAPLE ST. & US 40)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DSR	REVIS	REVISED -			*	(Q-1, X-1, F-1)RS-2,Q-1VBDR-1	BOND	108	58
	PLOT SCALE = 40,0000' = 1 in.	CHECKED - WJS	REVISED -			*	F.A.U. 9832/ F.A.S. 1751	CONTRACT NO. 76K46		
	PLOT DATE = 5/12/2022	DATE - 03-16-2022	REVISED -			SCALE:	SHEET 5 OF 18 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



LEGEND

- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
(MAPLE ST. & US 40)

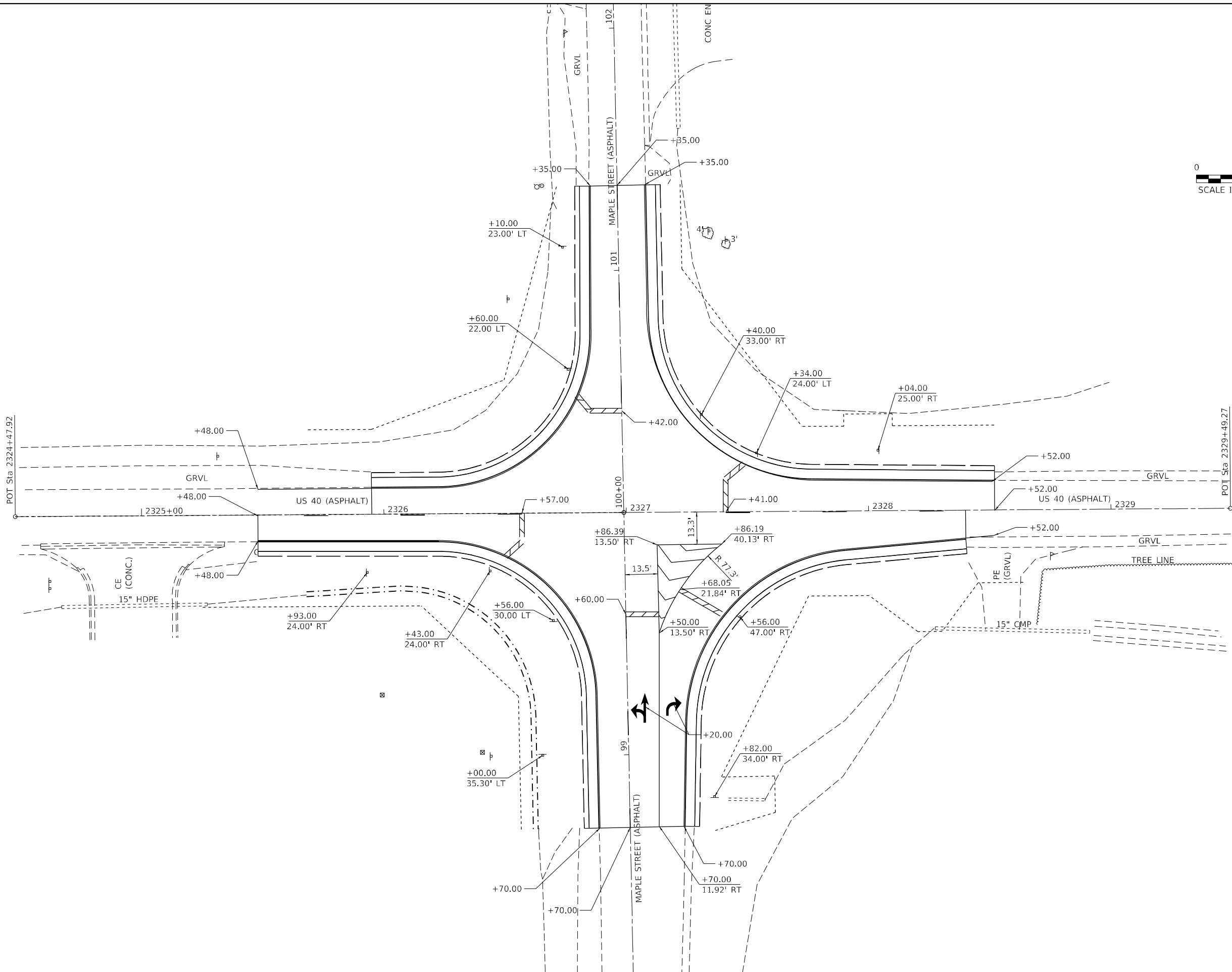
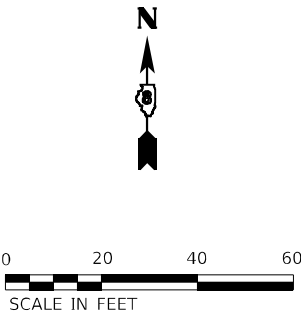
SCALE: SHEET 6 OF 18 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* (Q-1, X-1, F-1)RS-2,Q-1VBDR-1	BOND	108	59	
* F.A.U. 9832/ F.A.S. 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		

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BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
1910 WEST LAFALETTE AVE.
JACKSONVILLE, IL 62550
PHONE: 217-245-4140 FAX: 217-245-4149
IL DESIGN FIRM REGISTRATION NO. 184-000832

USER NAME = drunoll	DESIGNED - DSR	REVISED -
	DRAWN - DSR	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - WJS	REVISED -
PLOT DATE = 5/12/2022	DATE - 03-16-2022	REVISED -



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BENTON & ASSOCIATES, INC. CONSULTING ENGINEERS - LAND SURVEYORS 1910 WEST LAFALETTE AVE. JACKSONVILLE, IL 62555 PHONE: 217-245-4140 FAX: 217-245-4149 IL DESIGN FIRM REGISTRATION NO. 184-000832	USER NAME = druholl	DESIGNED - DSR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS (MAPLE ST. & US 40)				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/12/2022	DATE - 03-16-2022	REVISED -										
	SCALE:				SHEET 7	OF 18 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			

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

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

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BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1970 WEST LAFAYETTE AVE.
JACKSONVILLE, IL 62550
PHONE: 217-245-1140 FAX: 217-245-1149
IL DESIGN FIRM REGISTRATION NO. 184-00052

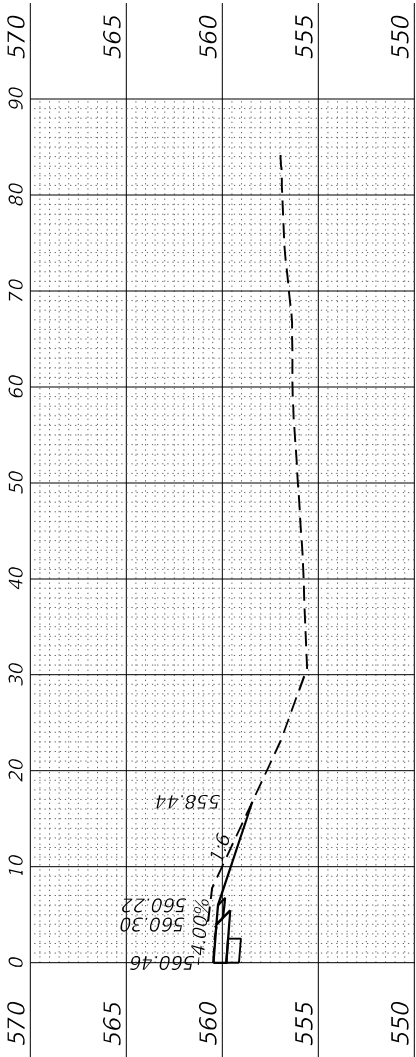
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PLOT DATE = 5/12/2022	DATE - 03-16-2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

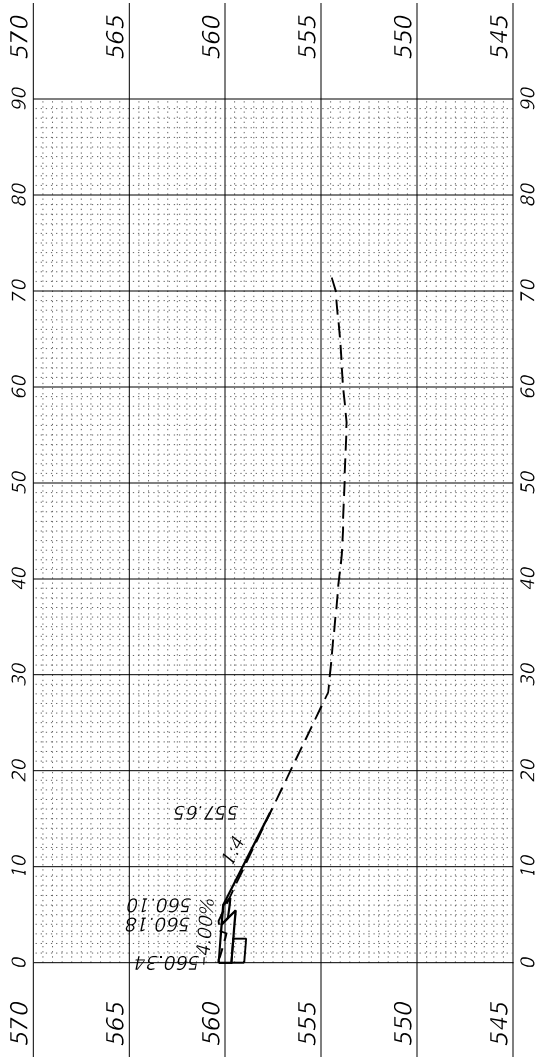
CROSS SECTIONS
(NE QUADRANT OF MAPLE ST. & US 40)

SCALE: SHEET 8 OF 18 SHEETS STA. 0+00.00 TO STA. 0+80.00

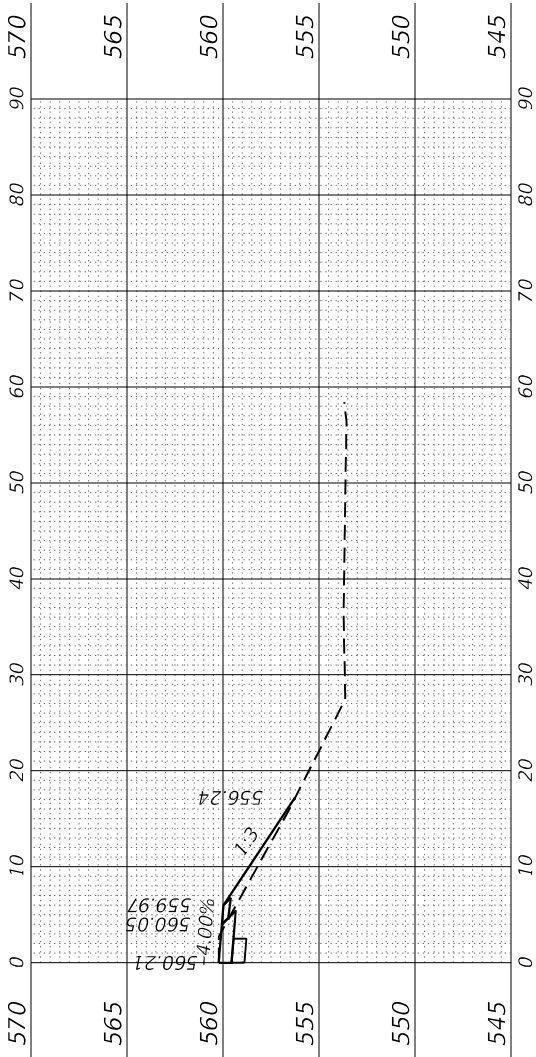
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*FAU 9832/ FAS 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		



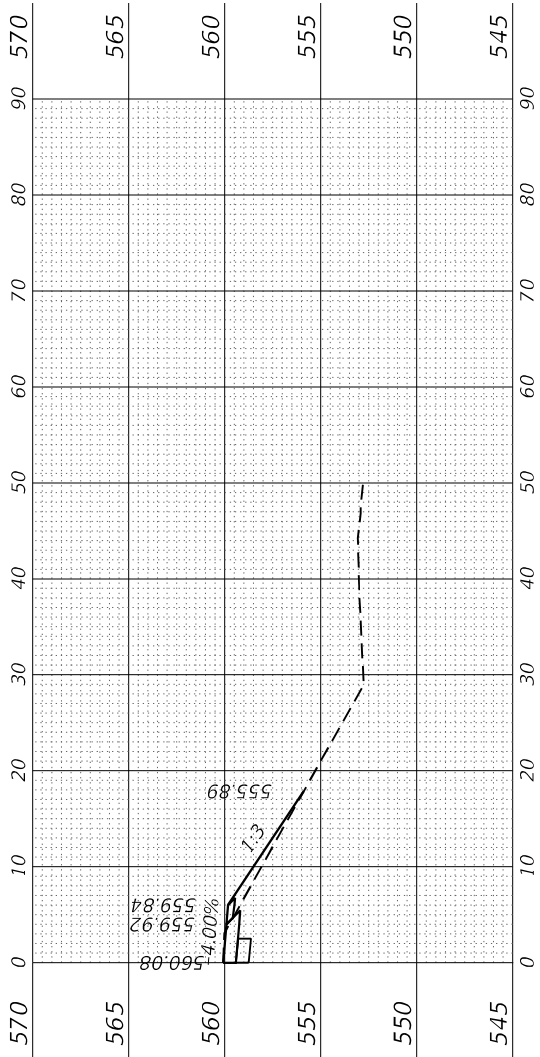
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F = 0.00 Sq. Ft.
0 + 80.00



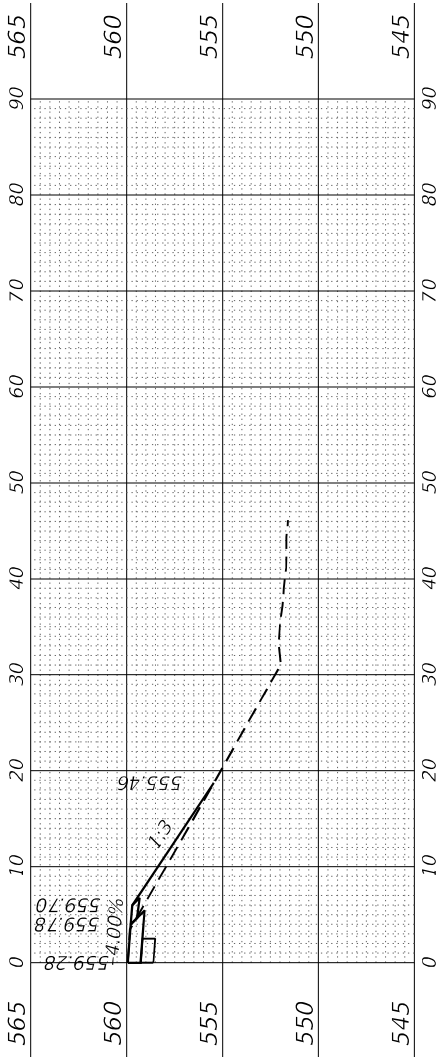
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F = 0.61 Sq. Ft.
0 + 60.00



C = 3.20 Sq. Ft.
F = 3.93 Sq. Ft.
0 + 40.00



C = 3.15 Sq. Ft.
F = 3.80 Sq. Ft.
0 + 20.00



C = 3.13 Sq. Ft.
F = 3.95 Sq. Ft.
0 + 00.00

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

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

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Section 76K46.dgn

BENTON & ASSOCIATES, INC.

CONSULTING ENGINEERS / LAND SURVEYORS

1910 WEST LA FAYETTE AVE.

JACKSONVILLE, IL 62550

PHONE: 217-245-1140 FAX: 217-245-1189

IL DESIGN FIRM REGISTRATION NO. 184-00052

USER NAME	= drunoll
DESIGNED	- DSR
DRAWN	- DSR
PLOT SCALE	= 20.0000 * / in.
PLOT DATE	= 5/12/2022
CHECKED	- WJS
DATE	- 03-16-2022

REVIS	-
REVIS	-
REVIS	-
REVIS	-

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

(NE QUADRANT OF MAPLE ST. & US 40)

SCALE:

SHEET 9 OF 18 SHEETS

STA. 1+00.00 TO STA. 2+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	108	62
*FAU 9832/ FAS 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		

C = 3.65 Sq. Ft.

F = 0.00 Sq. Ft.

2 + 00.00

C = 9.57 Sq. Ft.

F = 0.00 Sq. Ft.

1 + 80.00

C = 15.50 Sq. Ft.

F = 0.00 Sq. Ft.

1 + 60.00

C = 14.77 Sq. Ft.

F = 0.00 Sq. Ft.

1 + 40.00

C = 14.17 Sq. Ft.

F = 0.00 Sq. Ft.

1 + 20.00

C = 7.69 Sq. Ft.

F = 0.00 Sq. Ft.

1 + 00.00

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

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

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BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1910 WEST LAFAYETTE AVE.
JACKSONVILLE, IL 62550
PHONE: 217-245-1140 FAX: 217-245-1149
IL DESIGN FIRM REGISTRATION NO. 184-000952

USER NAME	= druholl
PLOT SCALE	= 20.0000 " / in.
PLOT DATE	= 5/12/2022

DESIGNED -	DSR
DRAWN -	DSR
CHECKED -	WJS
DATE -	03-16-2022

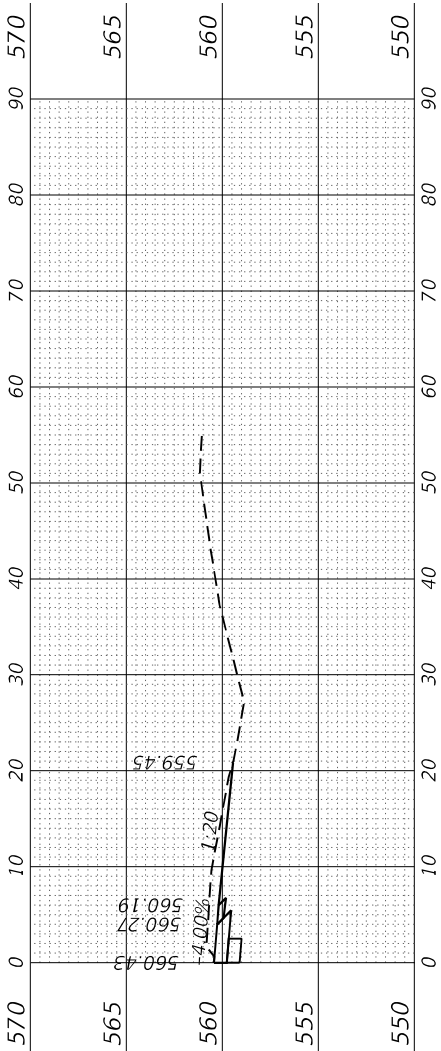
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

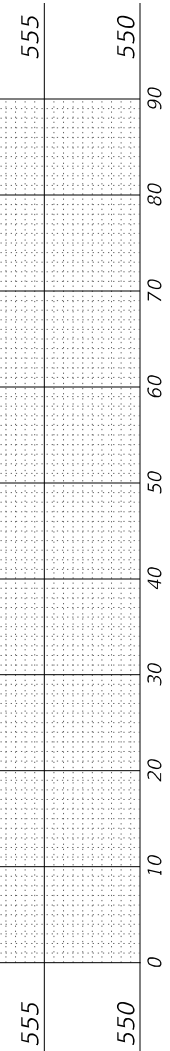
CROSS SECTIONS
(NW QUADRANT OF MAPLE ST. & US 40)

SCALE:	SHEET 11	OF 18	SHEETS	STA. 0+00.00 TO STA. 1+00.00
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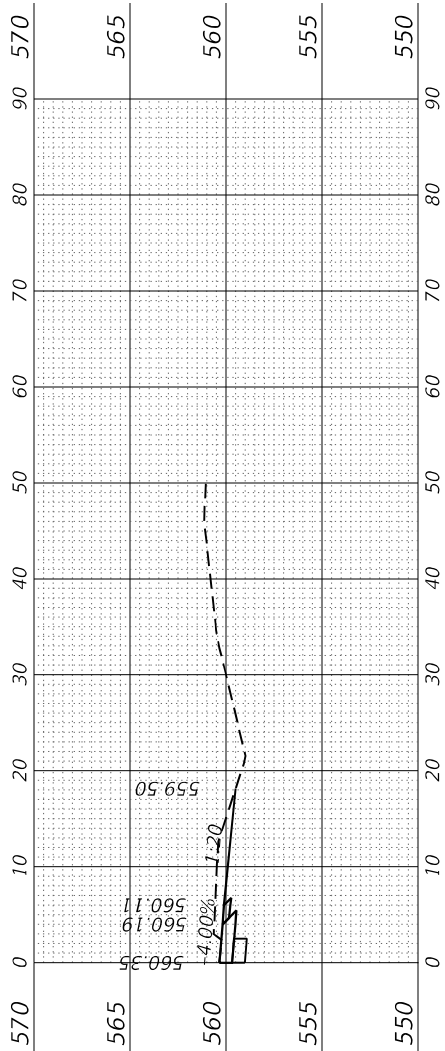
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"	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	108	64
*FAU 9832/ FAS 1751	CONTRACT NO. 76K46			
	ILLINOIS	FED. AID PROJECT		



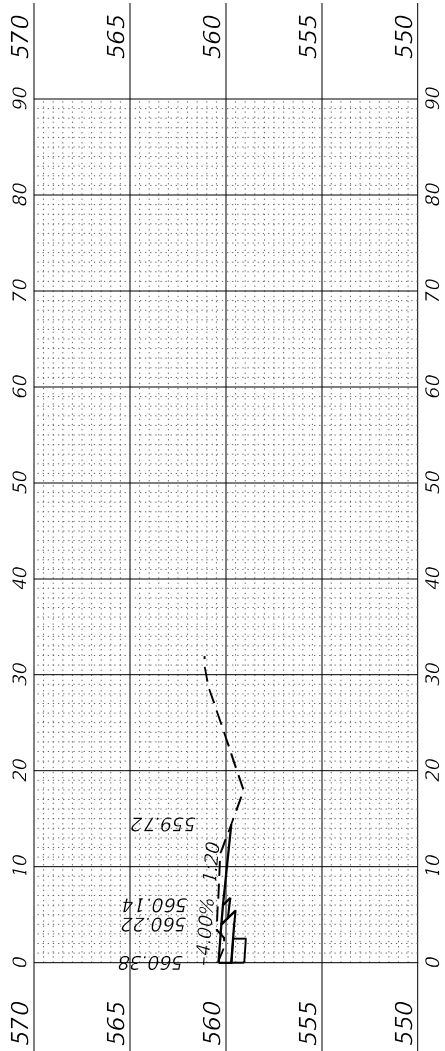
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F = 0.00 Sq. Ft.
1 + 00.00



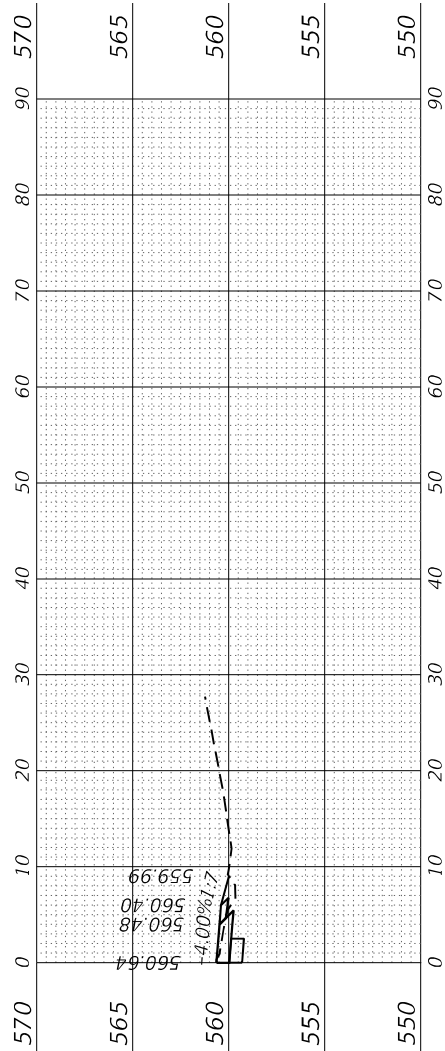
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F = 0.00 Sq. Ft.
0 + 80.00



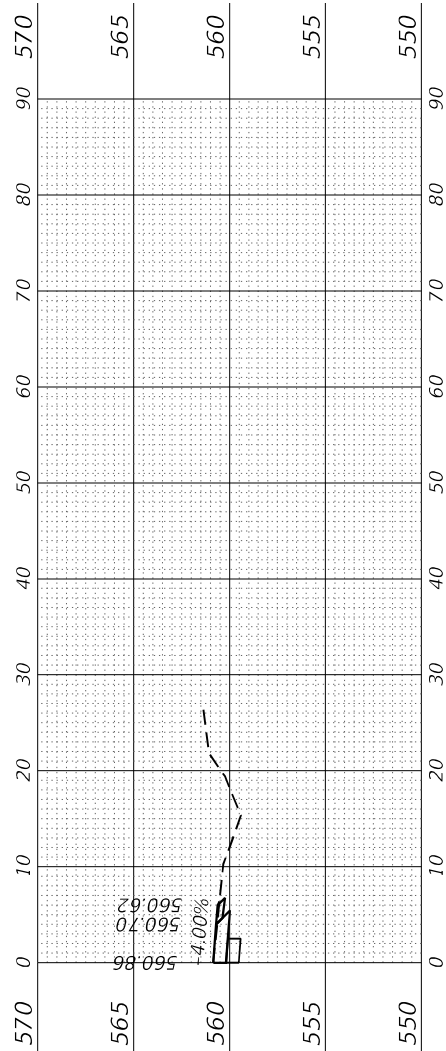
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F = 0.00 Sq. Ft.
0 + 60.00



C = 4.65 Sq. Ft.
F = 0.00 Sq. Ft.
0 + 40.00



C = 0.00 Sq. Ft.
F = 1.33 Sq. Ft.
0 + 20.00



C = 3.56 Sq. Ft.
F = 0.00 Sq. Ft.
0 + 00.00

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

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

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BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1910 WEST LA FAYETTE AVE.
JACKSONVILLE, IL 62550
PHONE: 217-245-1140 FAX: 217-245-1149
IL DESIGN FIRM REGISTRATION NO. 184-000852

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DESIGNED -	DSR
DRAWN -	DSR
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PLOT DATE =	5/12/2022
CHECKED -	WJS
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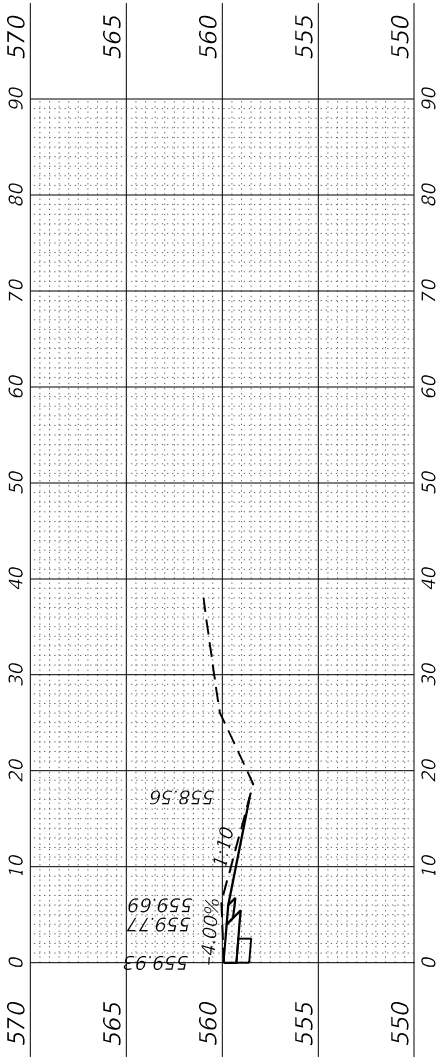
REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
(NW QUADRANT OF MAPLE ST. & US 40)

SCALE:	SHEET 12 OF 18 SHEETS	STA. 1+20.00 TO STA. 1+87.13
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	108	65
*FAU 9832/ FAS 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		



C = 7.13 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 87.13

C = 3.93 Sq. Ft.
F = 3.46 Sq. Ft.
1 + 80.00

C = 5.32 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 60.00

C = 6.87 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 40.00

C = 8.59 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 20.00

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

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

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BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1970 WEST LA FAYETTE AVE.
JACKSONVILLE, IL 62550
PHONE: 217-243-1140 FAX: 217-243-1149
IL DESIGN FIRM REGISTRATION NO. 184-000952

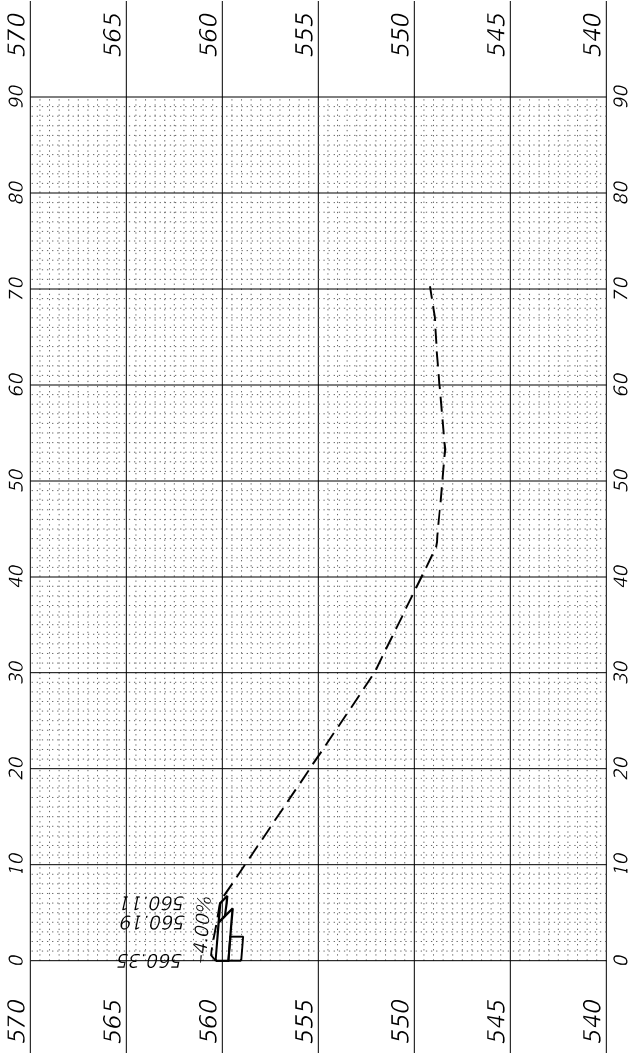
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

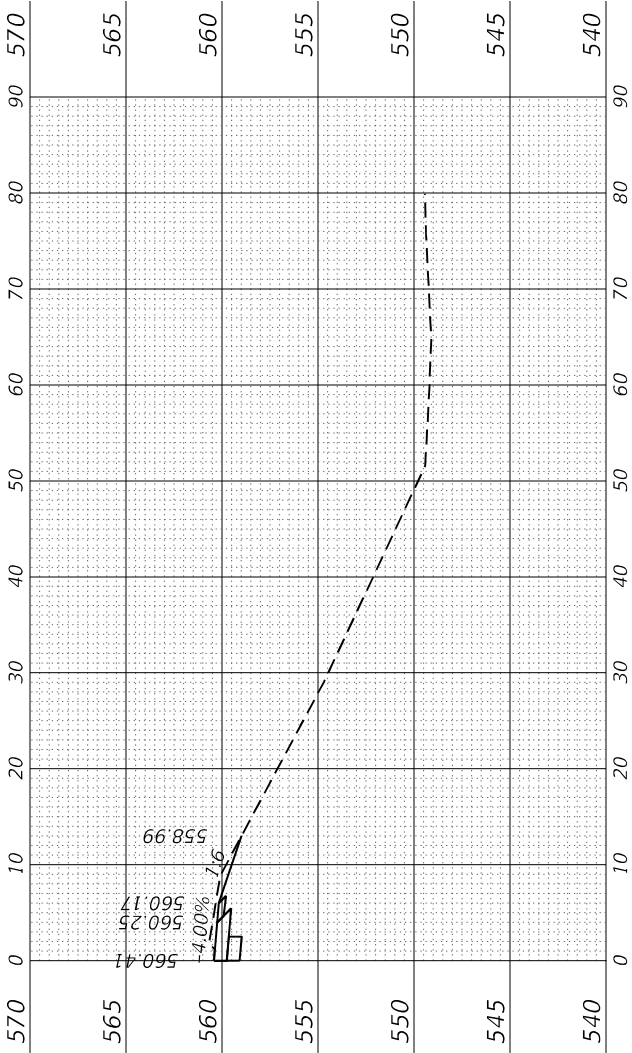
CROSS SECTIONS
(SE QUADRANT OF MAPLE ST. & US 40)

SCALE: SHEET 14 OF 18 SHEETS STA. 1+00.00 TO STA. 1+60.00

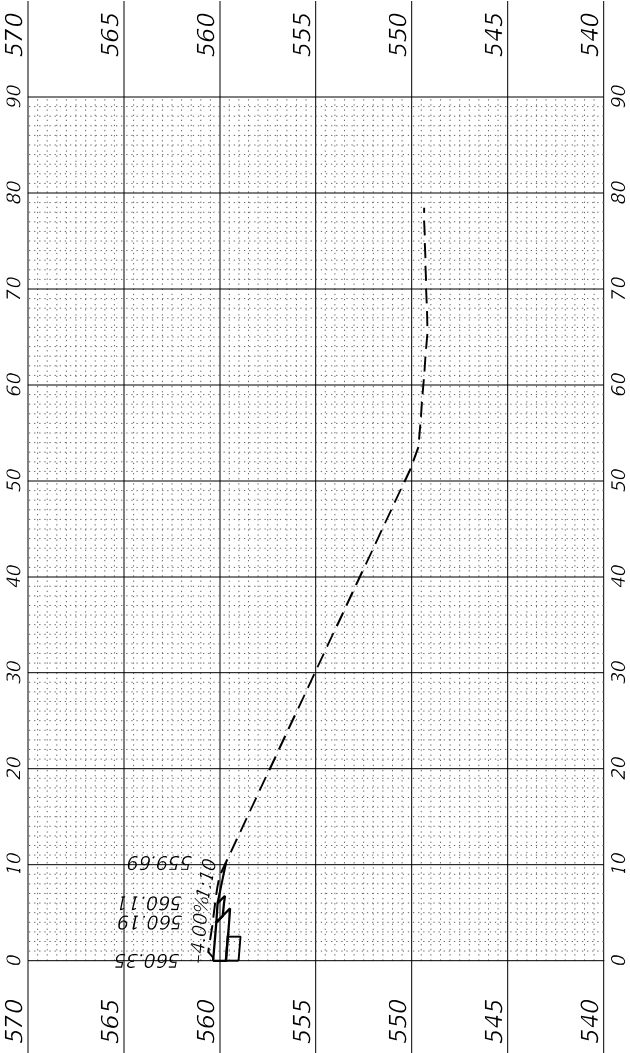
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*FAU 9832/ FAS 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		



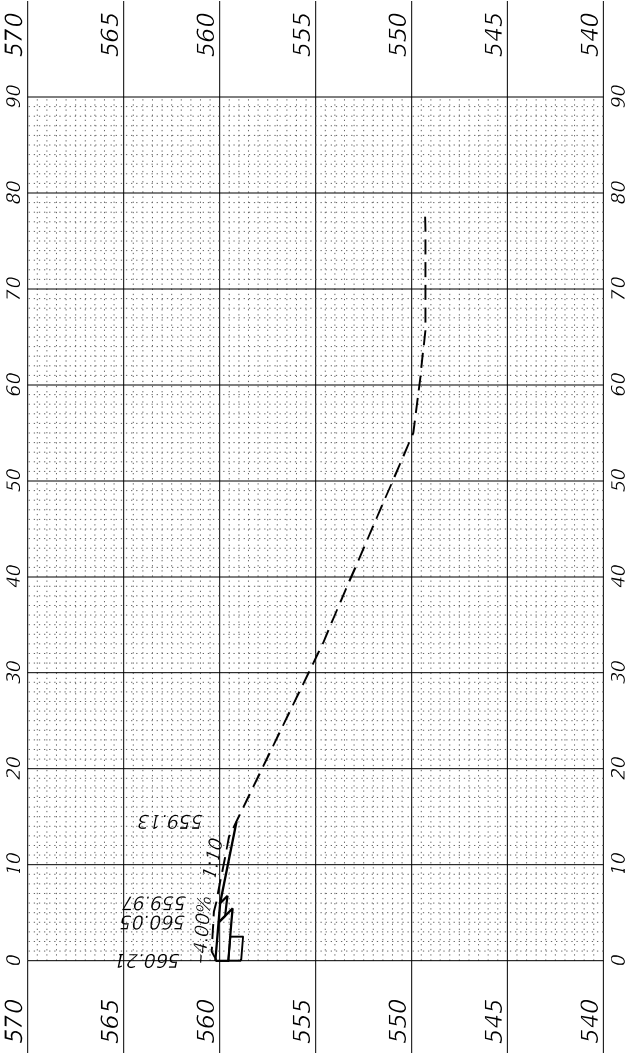
C = 4.11 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 60.00



C = 5.32 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 40.00



C = 4.79 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 20.00



C = 6.17 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 00.00

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

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

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BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
3970 WEST LAFAYETTE AVE.
JACKSONVILLE, IL 62250
PHONE: 217-245-4146 FAX: 217-245-4149
IL DESIGN FIRM REGISTRATION NO. 184-00052

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DATE -	03-16-2022

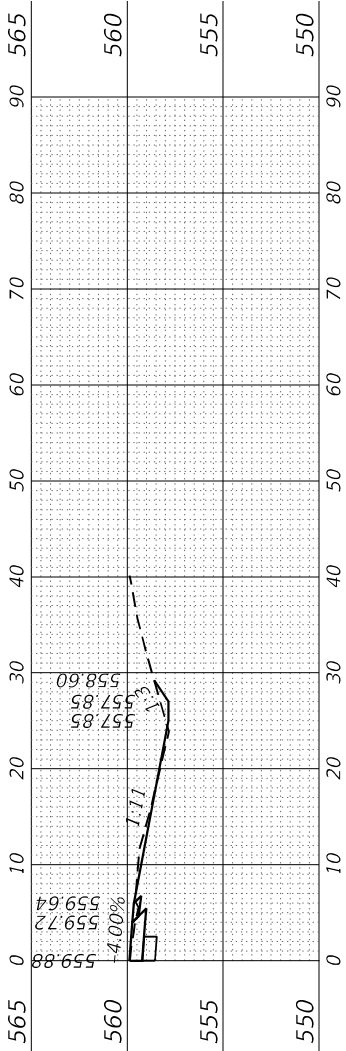
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

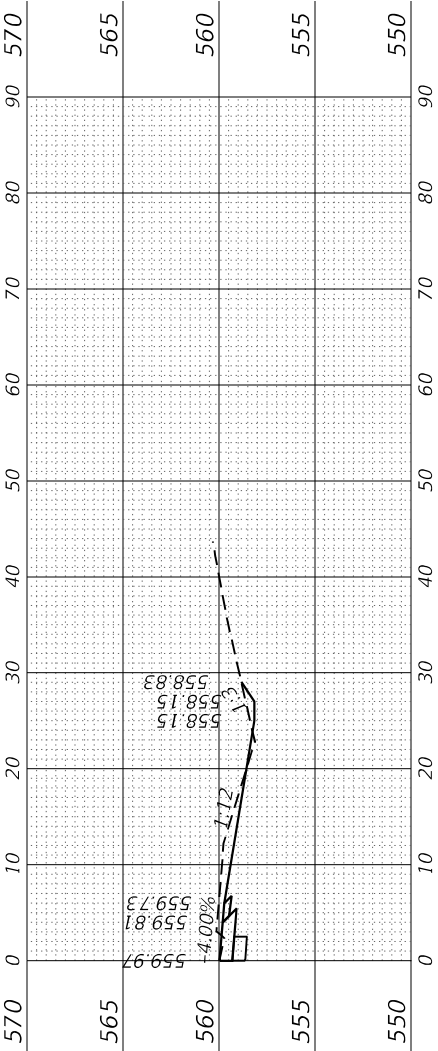
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CROSS SECTIONS
(SW QUADRANT OF MAPLE ST. & US 40)

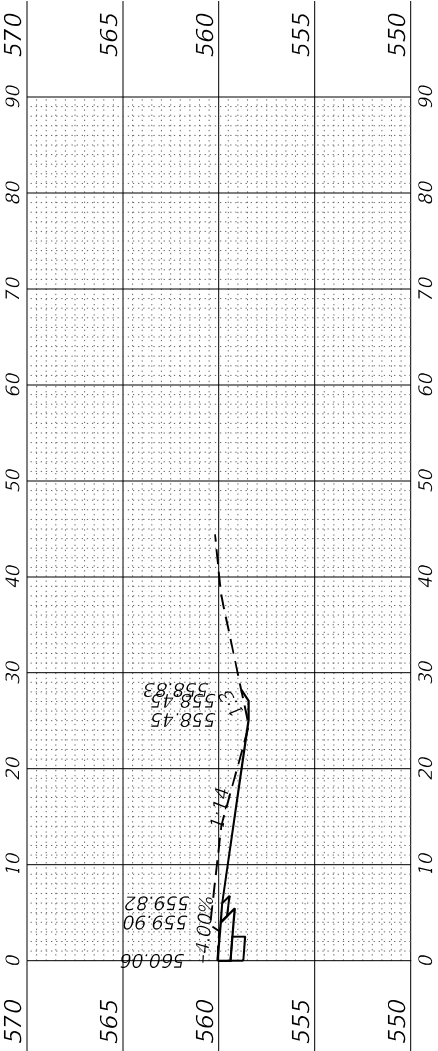
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*FAU 9832/ FAS 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		



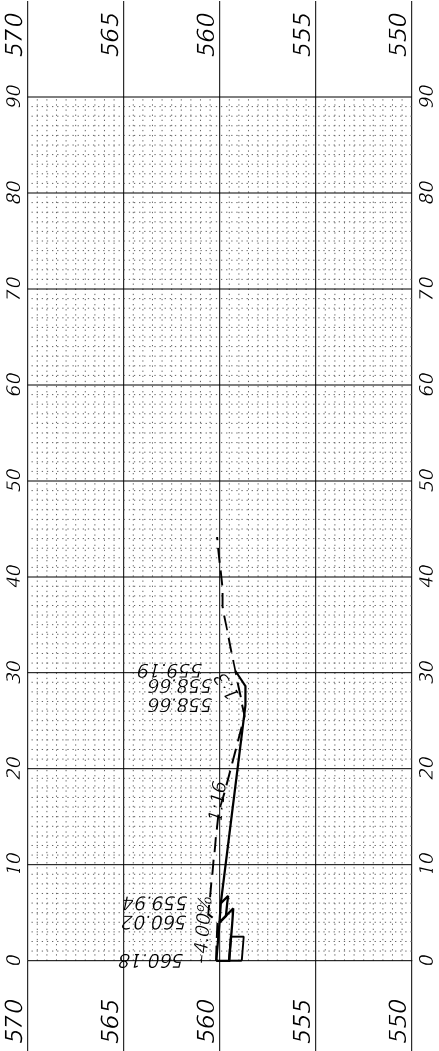
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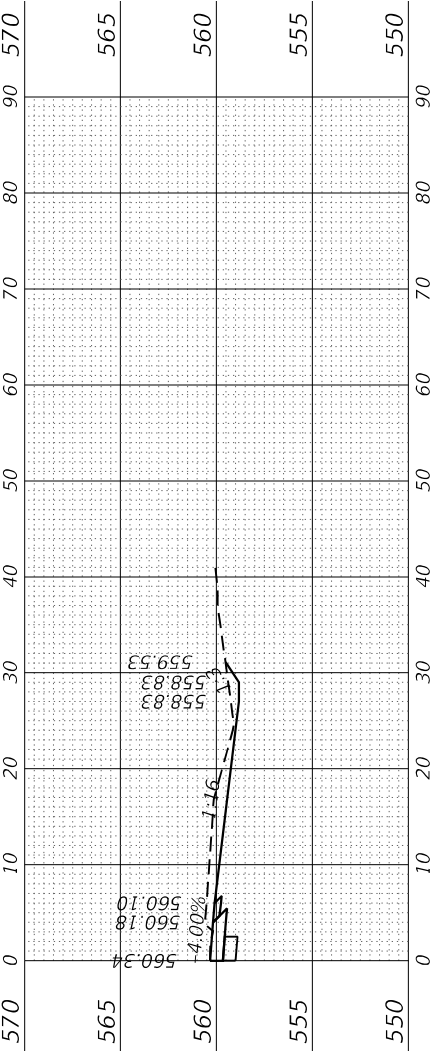
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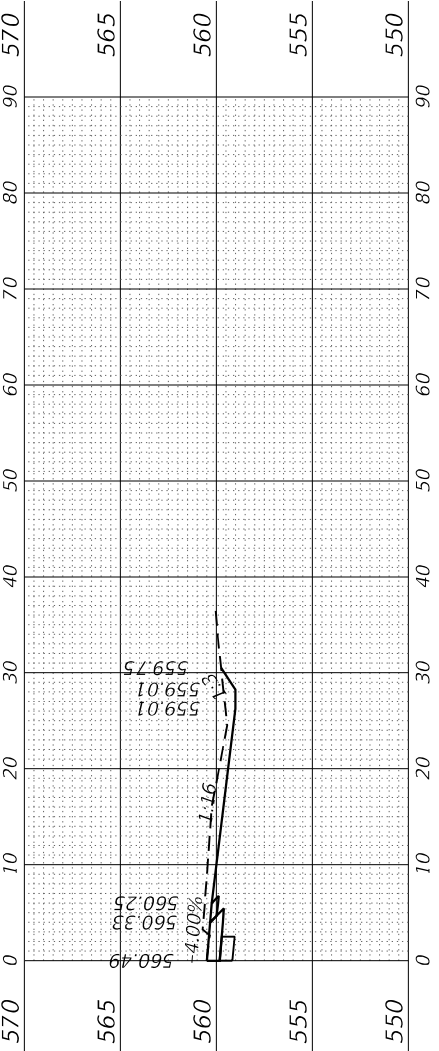
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C = 11.66 Sq. Ft.
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1 + 60.00



C = 13.68 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 40.00



C = 13.95 Sq. Ft.
F = 0.00 Sq. Ft.
1 + 20.00

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

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

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BENTON & ASSOCIATES, INC.

CONSULTING ENGINEERS / LAND SURVEYORS

1970 WEST LA Fayette AVE.

JACKSONVILLE, IL 62550

PHONE: 217-245-1140 FAX: 217-245-1149

IL DESIGN FIRM REGISTRATION NO. 184-000852

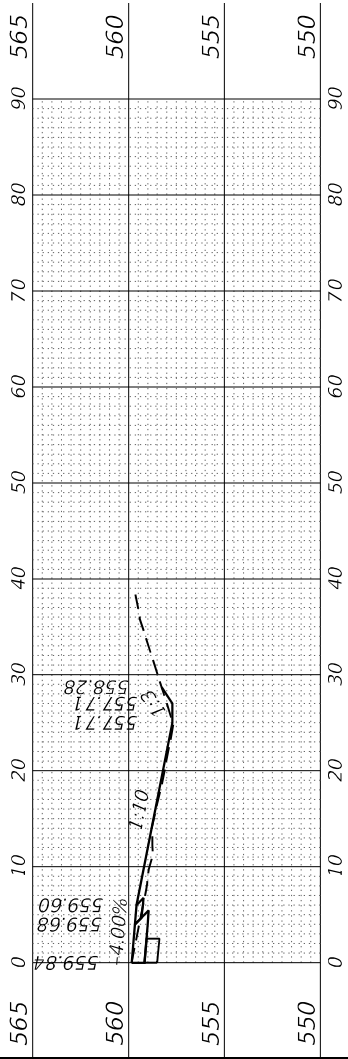
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

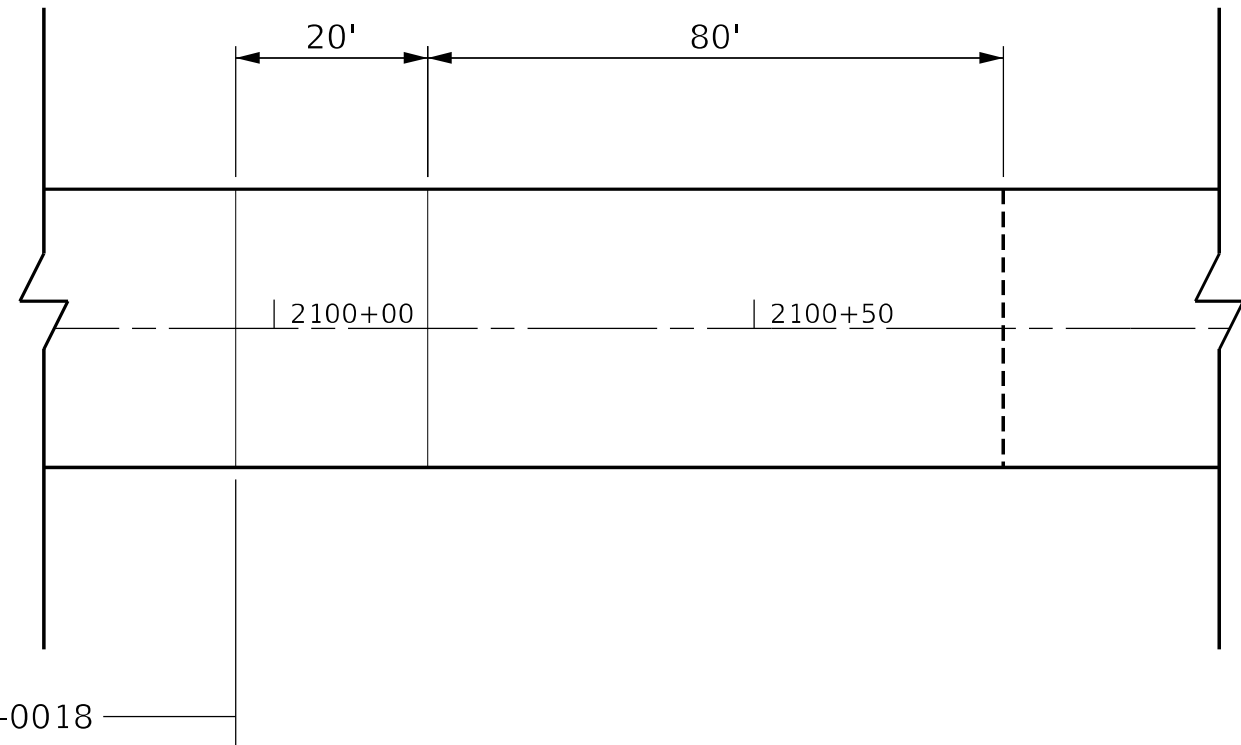
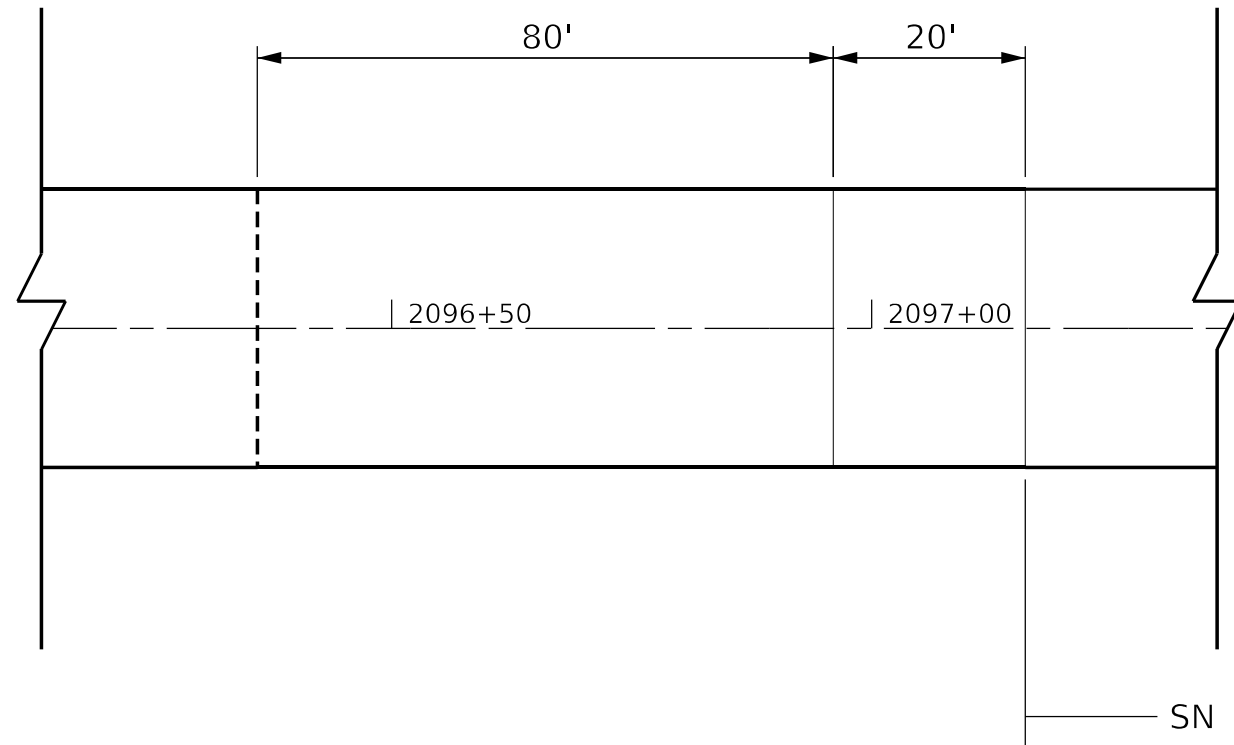
CROSS SECTIONS
(SW QUADRANT OF MAPLE ST. & US 40)

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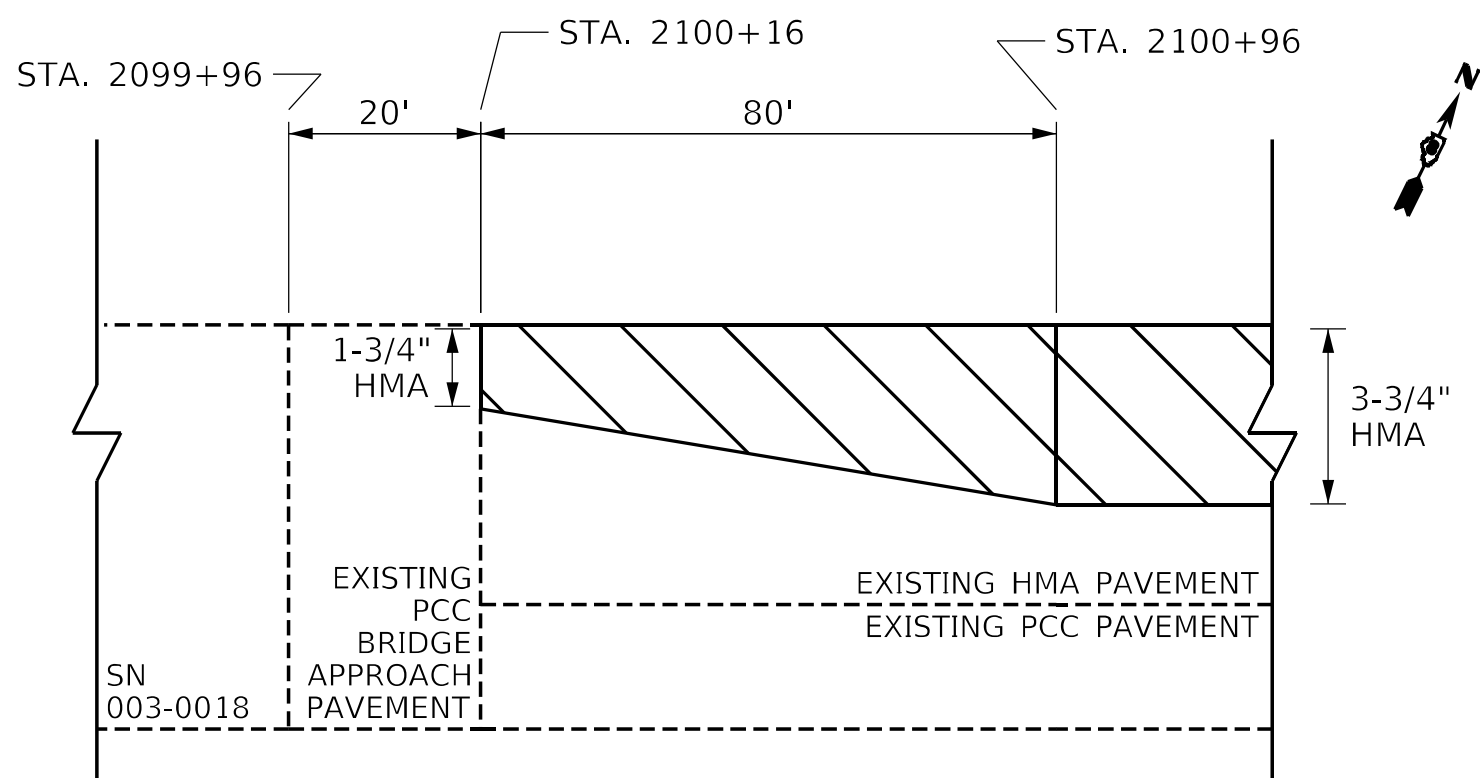
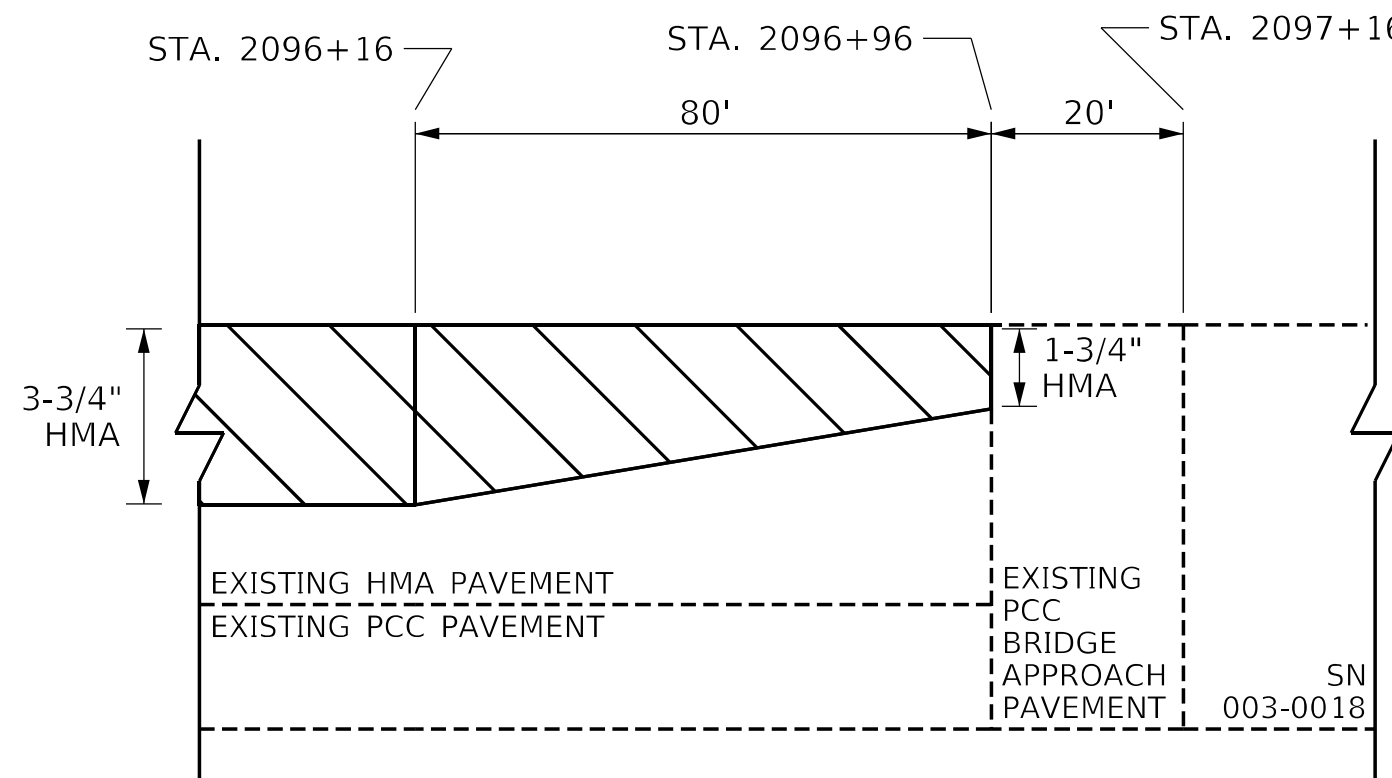
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*FAU 9832/ FAS 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		



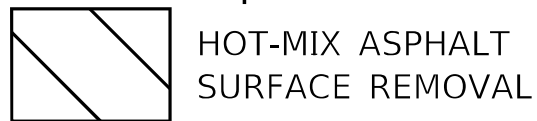
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2 + 29.81



NOT TO SCALE



NOT TO SCALE



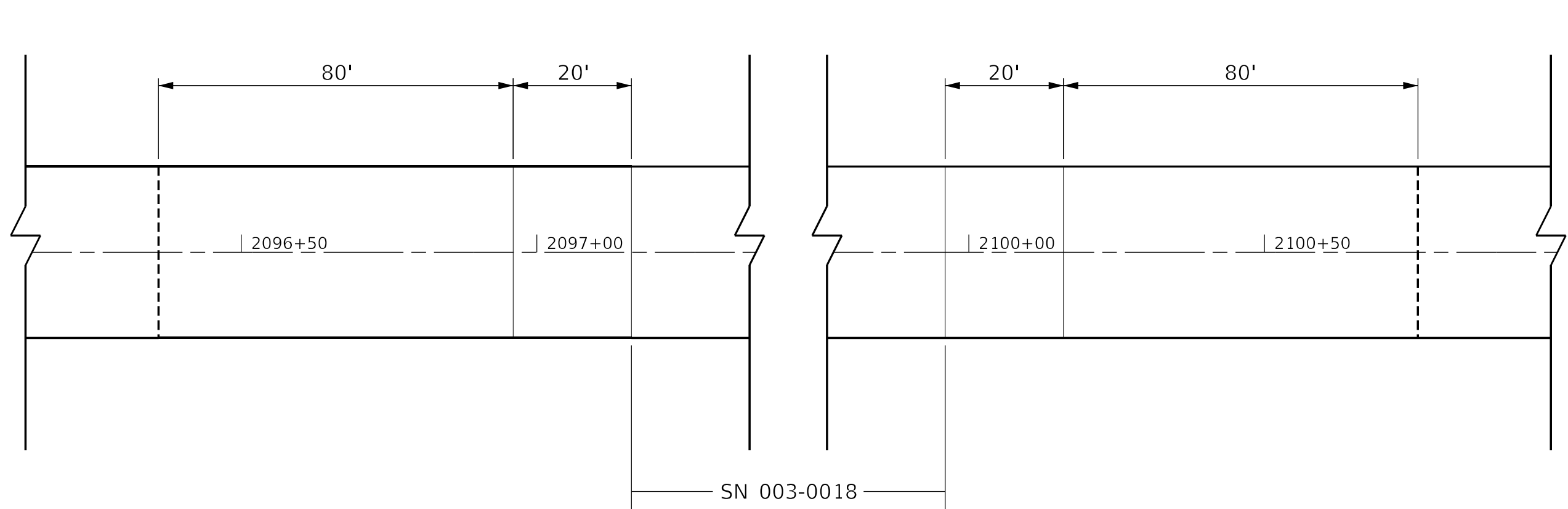
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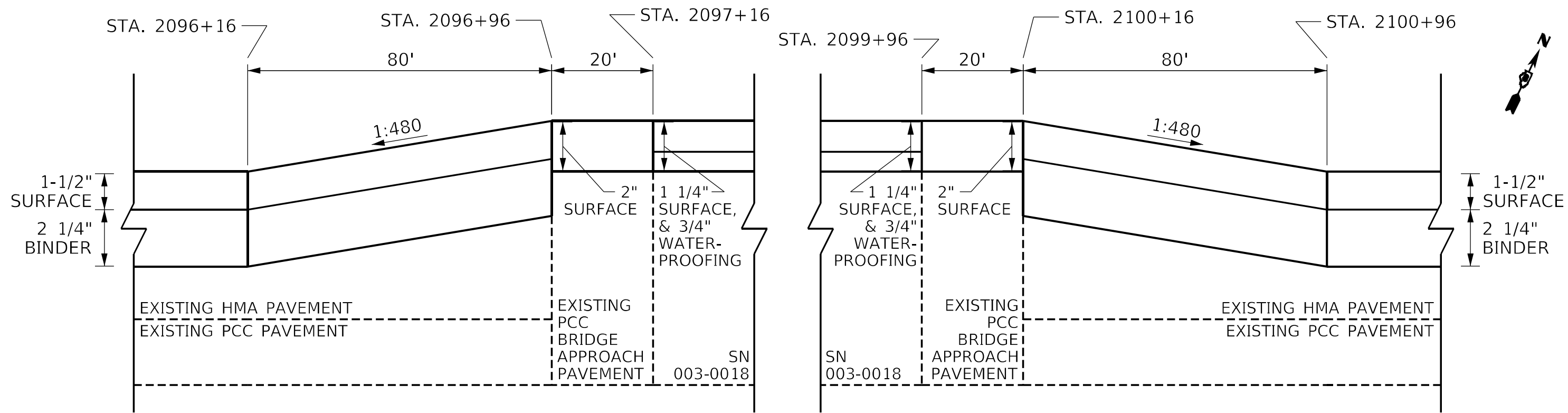
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH REMOVAL DETAILS - SN 003-0018			
SCALE: NTS	SHEET 1	OF 2 SHEETS	STA. TO STA.

**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



NOT TO SCALE



NOT TO SCALE

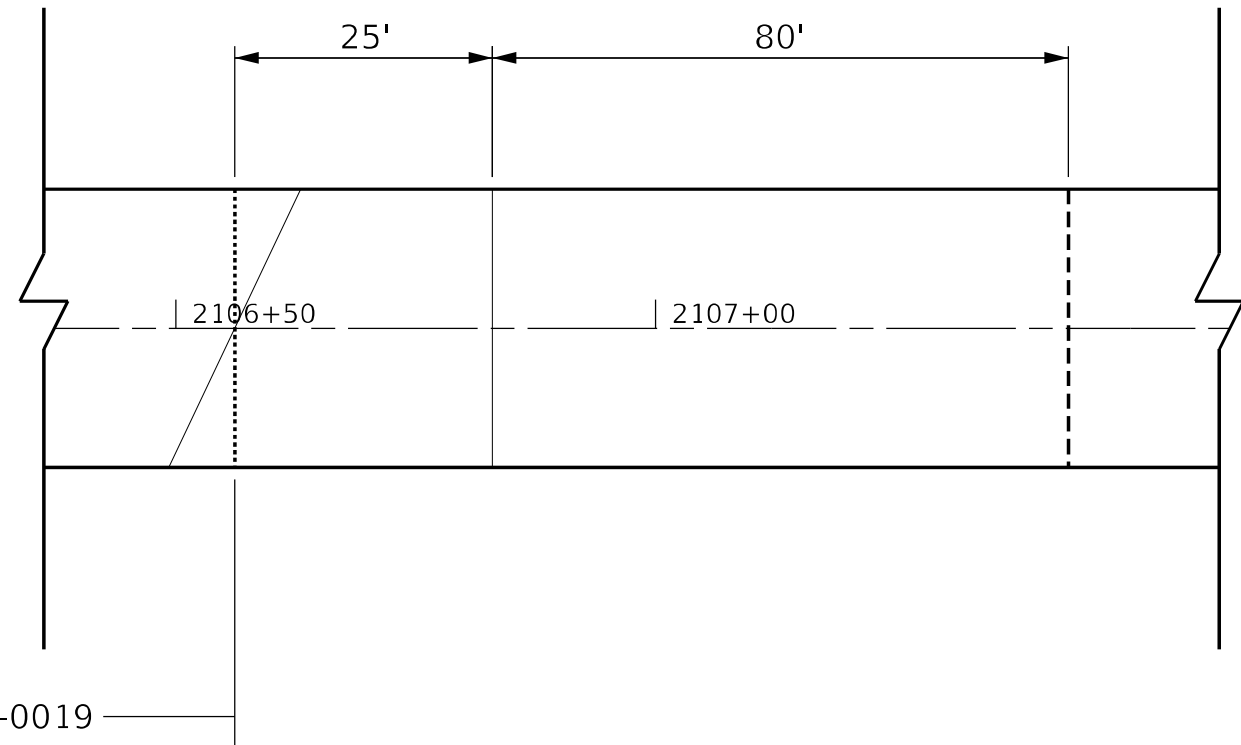
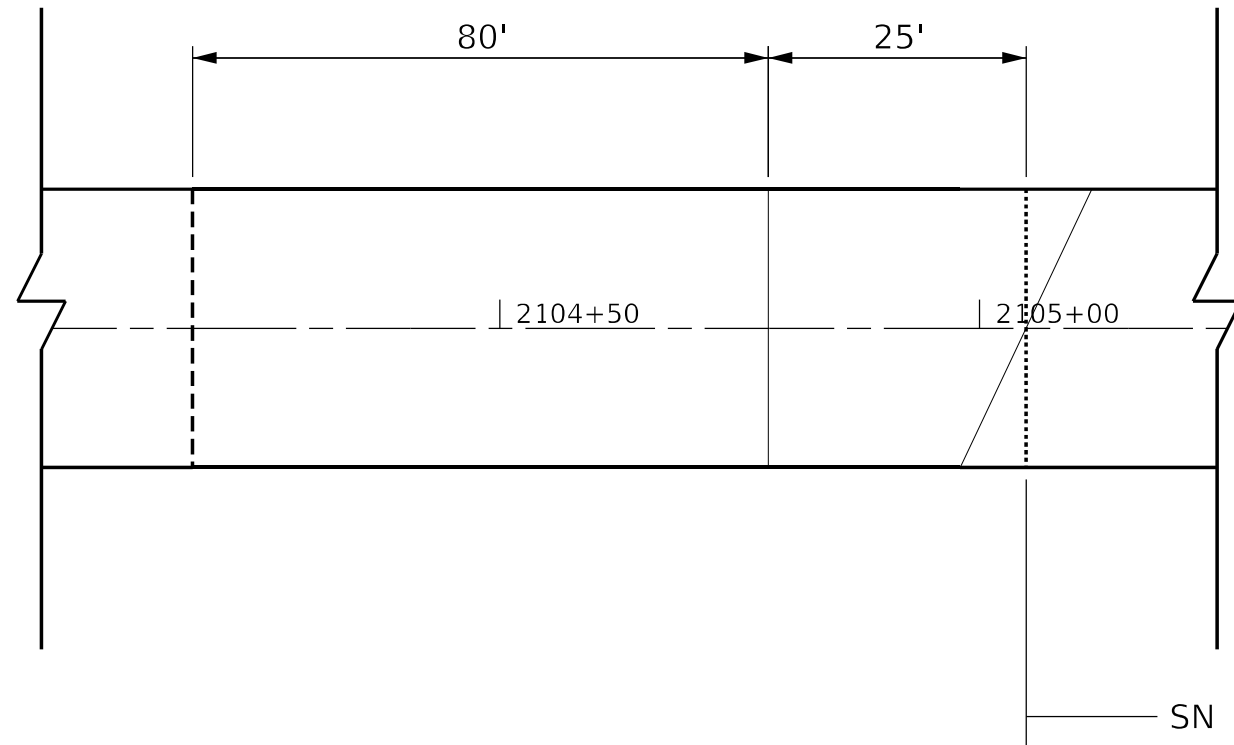
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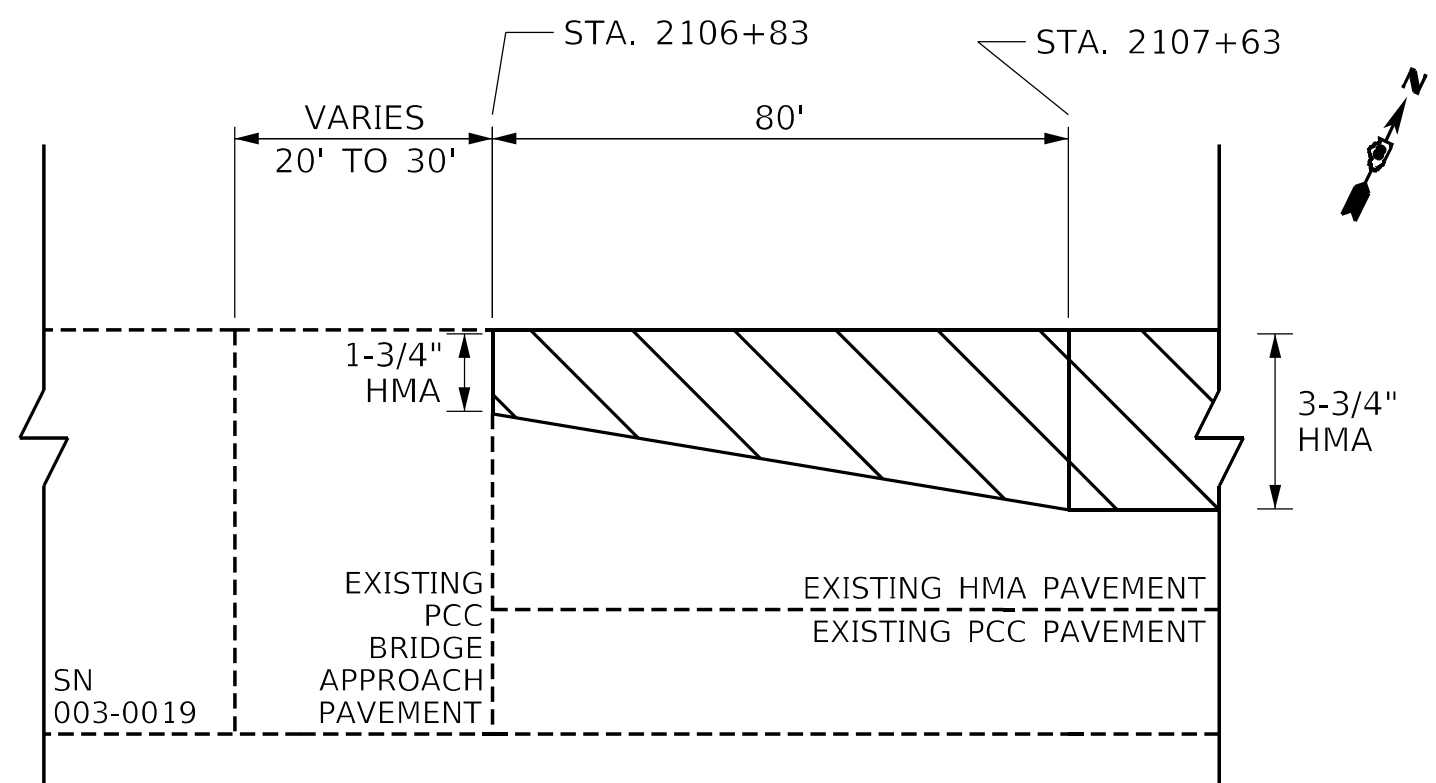
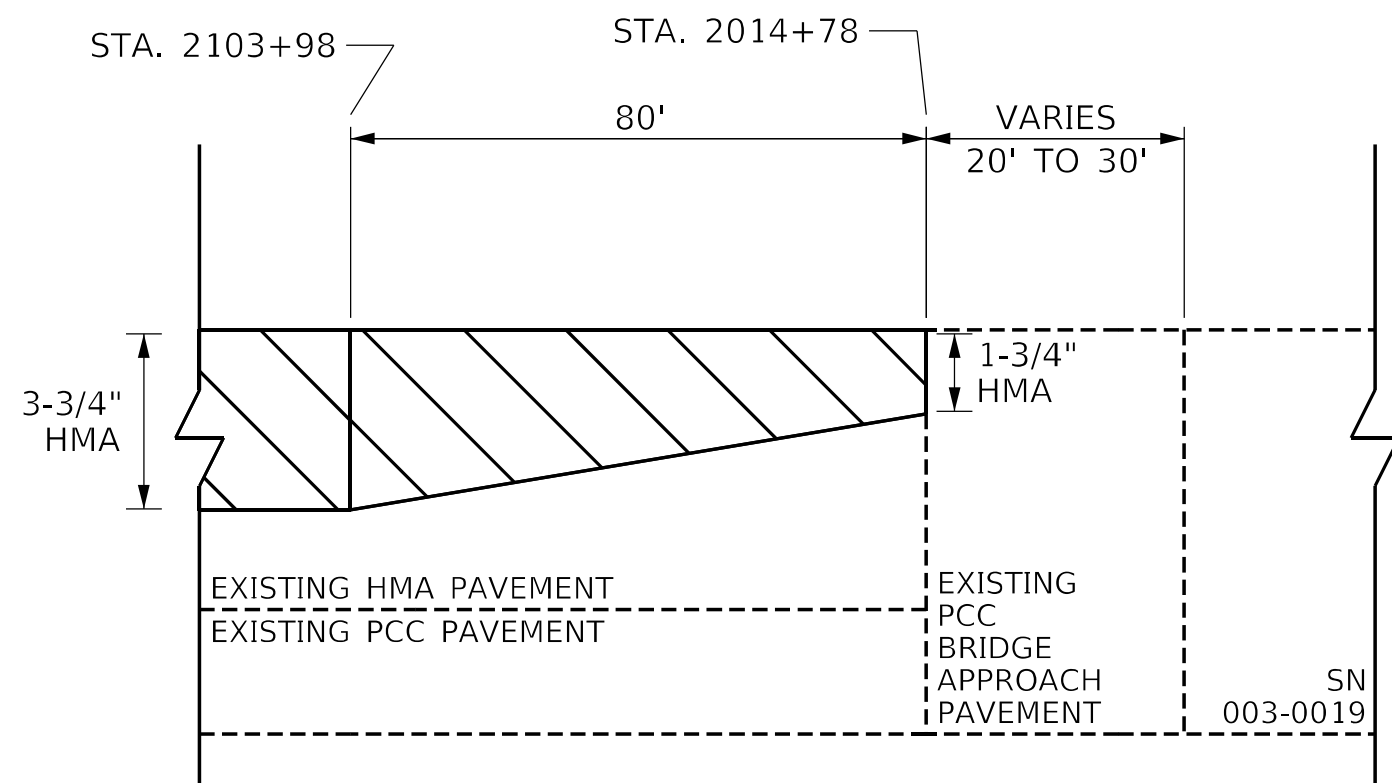
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS - SN 003-0018			
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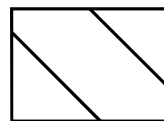
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**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	



NOT TO SCALE



NOT TO SCALE



HOT-MIX ASPHALT
SURFACE REMOVAL

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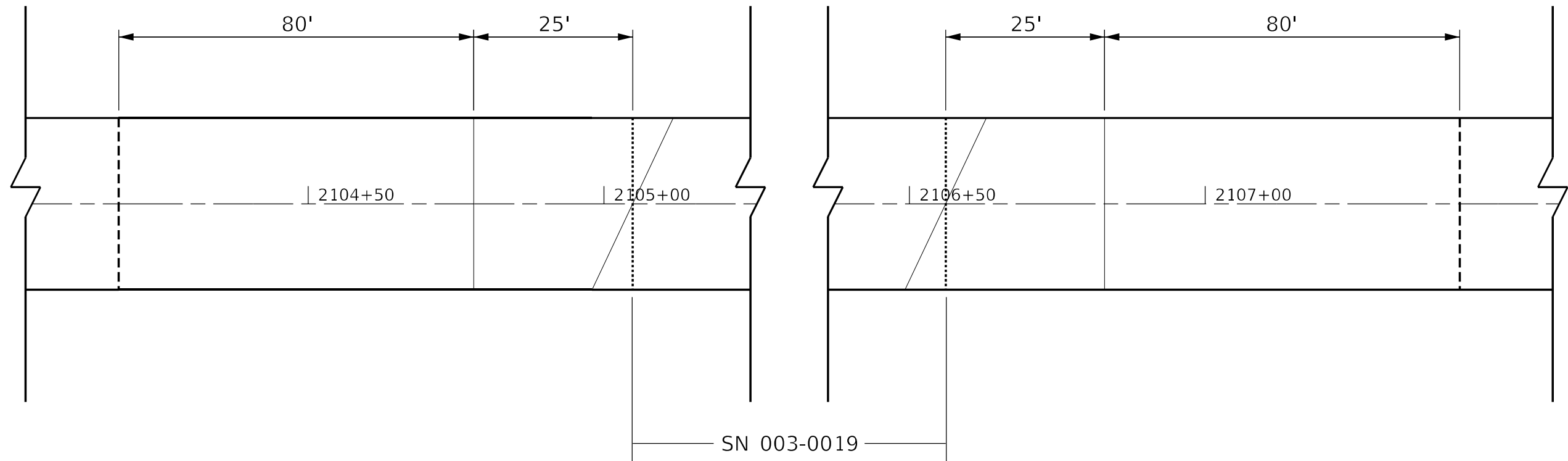
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

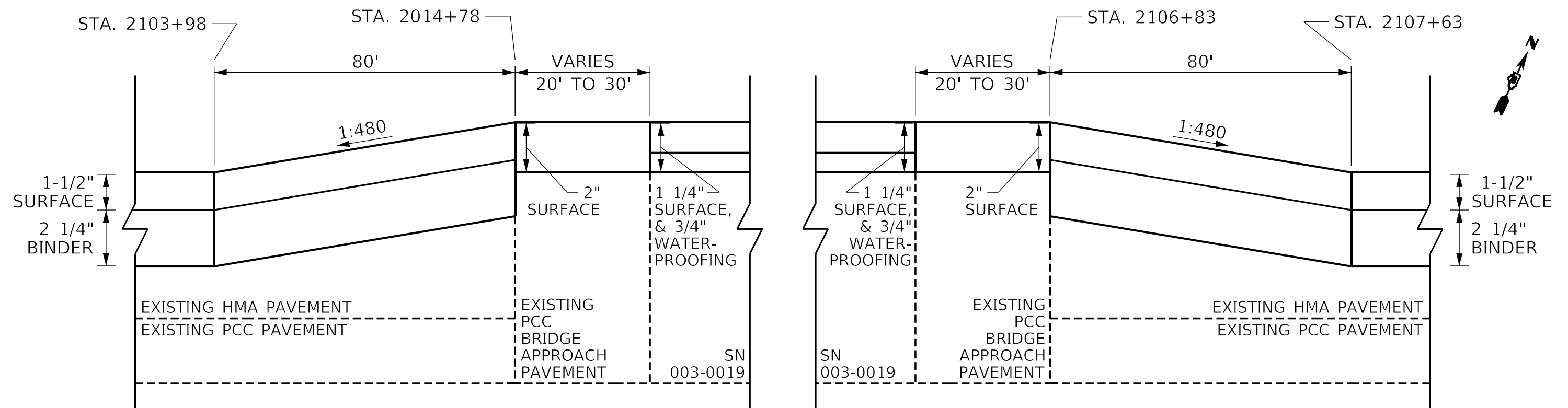
BRIDGE APPROACH REMOVAL
DETAILS - SN 003-0019

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

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**FAU 9832, FAS 1751	CONTRACT NO. 76K46			
ILLINOIS		FED. AID PROJECT		



NOT TO SCALE



NOT TO SCALE

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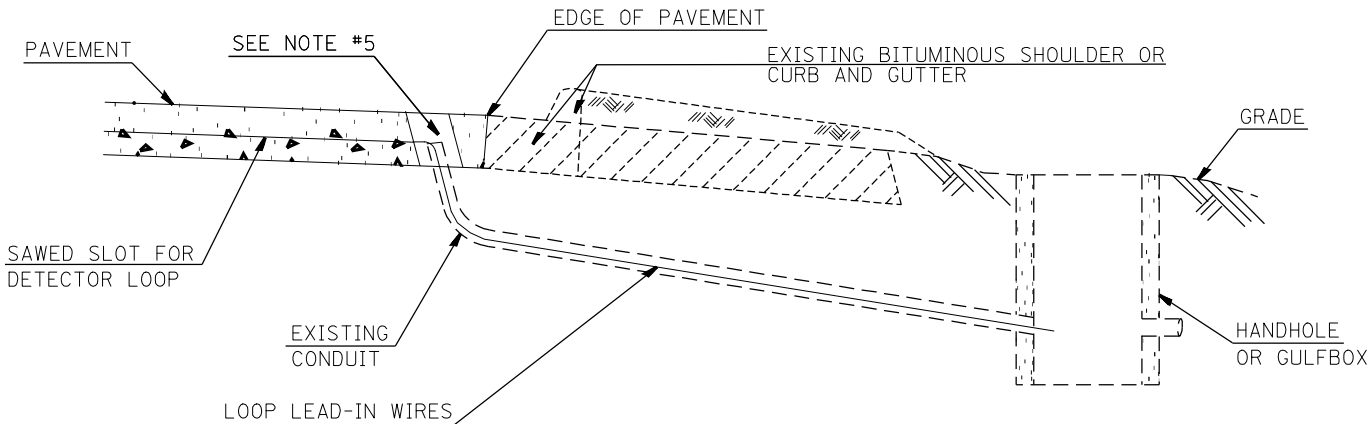
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**BRIDGE APPROACH
DETAILS – SN 003–0019**

SCALE: NTS	SHEET 2	OF 2	SHEETS	STA.	TO STA.
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**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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**FAU 9832, FAS 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNALS LEGEND



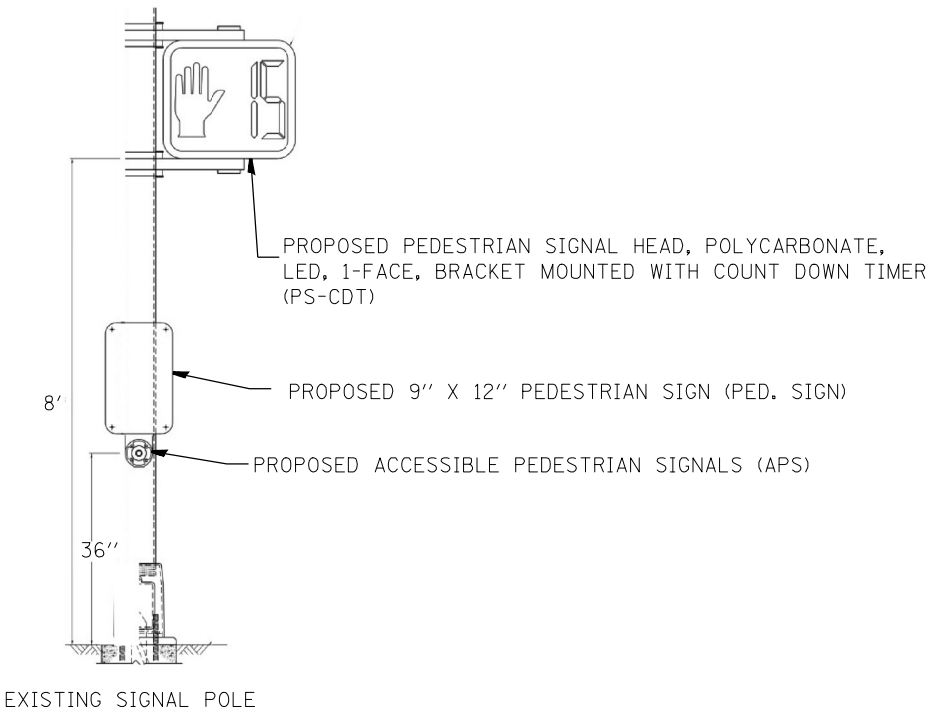
DETAIL A

(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"



	EXISTING SIGNAL POST
	EXISTING TRAFFIC SIGNAL MAST ARM
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING DETECTOR LOOP
	EXISTING CONTROLLER
	EXISTING SERVICE INSTALLATION
	EXISTING SIGNAL HEAD, PEDESTRIAN FOR REMOVAL
	EXISTING PEDESTRIAN PUSHBUTTON DETECTOR FOR REMOVAL
	EXISTING CONDUIT
	EXISTING PEDESTRIAN SIGN FOR REMOVAL
	PROPOSED DETECTOR LOOP
	PROPOSED ACCESSIBLE PEDESTRIAN SIGNALS (APS)
	PROPOSED PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (PS-CDT)
	PROPOSED 9' X 12' PEDESTRIAN SIGN (PED. SIGN)

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.
SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			
PAY ITEM	ITEMS	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	3
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
88600600	DETECTOR LOOP REPLACEMENT	FOOT	1711
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	12
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT
GENERAL NOTES, SCHEDULE OF QUANTITIES,
DETAIL AND LEGEND

SCALE: SHEET OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*FAU 9832/FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE NORTH

DETECTOR LOOP 161 REQUIREMENTS AND CALCULATIONS					
FOR US 40 & IL 127					
LOOP#	PHASE # (Φ)	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB CCO	4	6' x 6'	7	519.81	3.92
2. EB LT CD	7	6' x 50'(Q)	3-6-3	882.58	3.79
3. EB THRU CD	4	6' x 50'(Q)	3-6-3	88.35	3.81
4. EB RT CD	4	6' x 50'(Q)	3-6-3	878.18	3.69
5. NB CCO	6	6' x 6'	6	365.98	3.89
6. NB LT CD	1	6' x 50'(Q)	3-6-3	849.58	3.04
7. NB THRU CD	6	6' x 50'(Q)	3-6-3	847.16	2.98
8. WB CCO	8	6' x 6'	6	317.58	1.79
9. WB LT CD	3	6' x 50'(Q)	3-6-3	802.50	1.97
10. WB THRU CD	8	6' x 50'(Q)	3-6-3	800.74	1.93
11. WB RT CD	8	6' x 25'(Q)	3-6-3	423.54	1.13
12. SB CCO	2	6' x 6'	6	342.66	2.36
13. SB LT CD	5	6' x 50'(Q)	3-6-3	824.50	2.47
14. SB THRU CD	2	6' x 50'(Q)	3-6-3	822.52	2.42

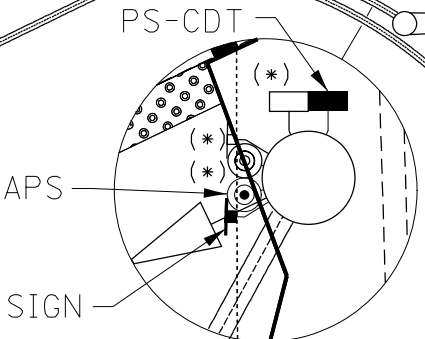
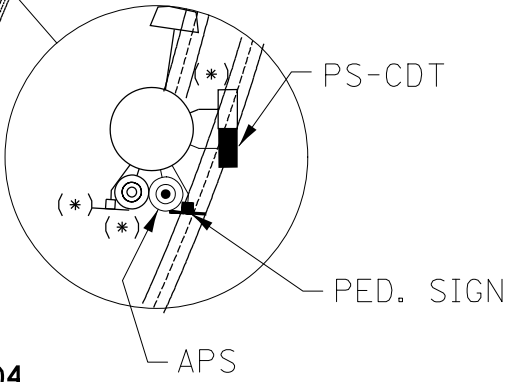
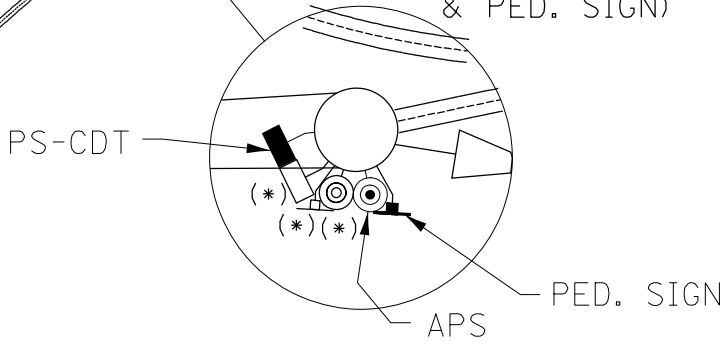
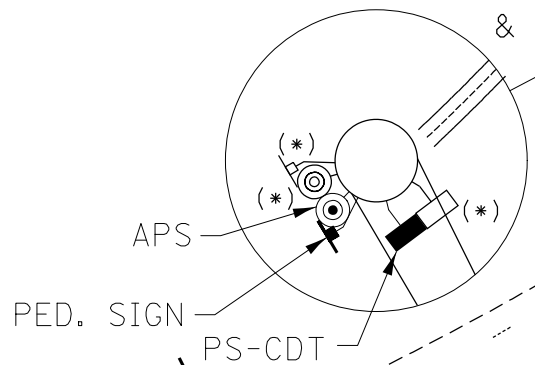
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

* = SEE DETAIL "A"

*-REMOV EX TS EQUIP
(PED. S.H., P.-B.
& PED. SIGN)

*-REMOV EX TS EQUIP
(PED. S.H., P.-B.
& PED. SIGN)



*-REMOV EX TS EQUIP
(PED. S.H., P.-B.
& PED. SIGN)

*-REMOV EX TS EQUIP
(PED. S.H., P.-B.
& PED. SIGN)



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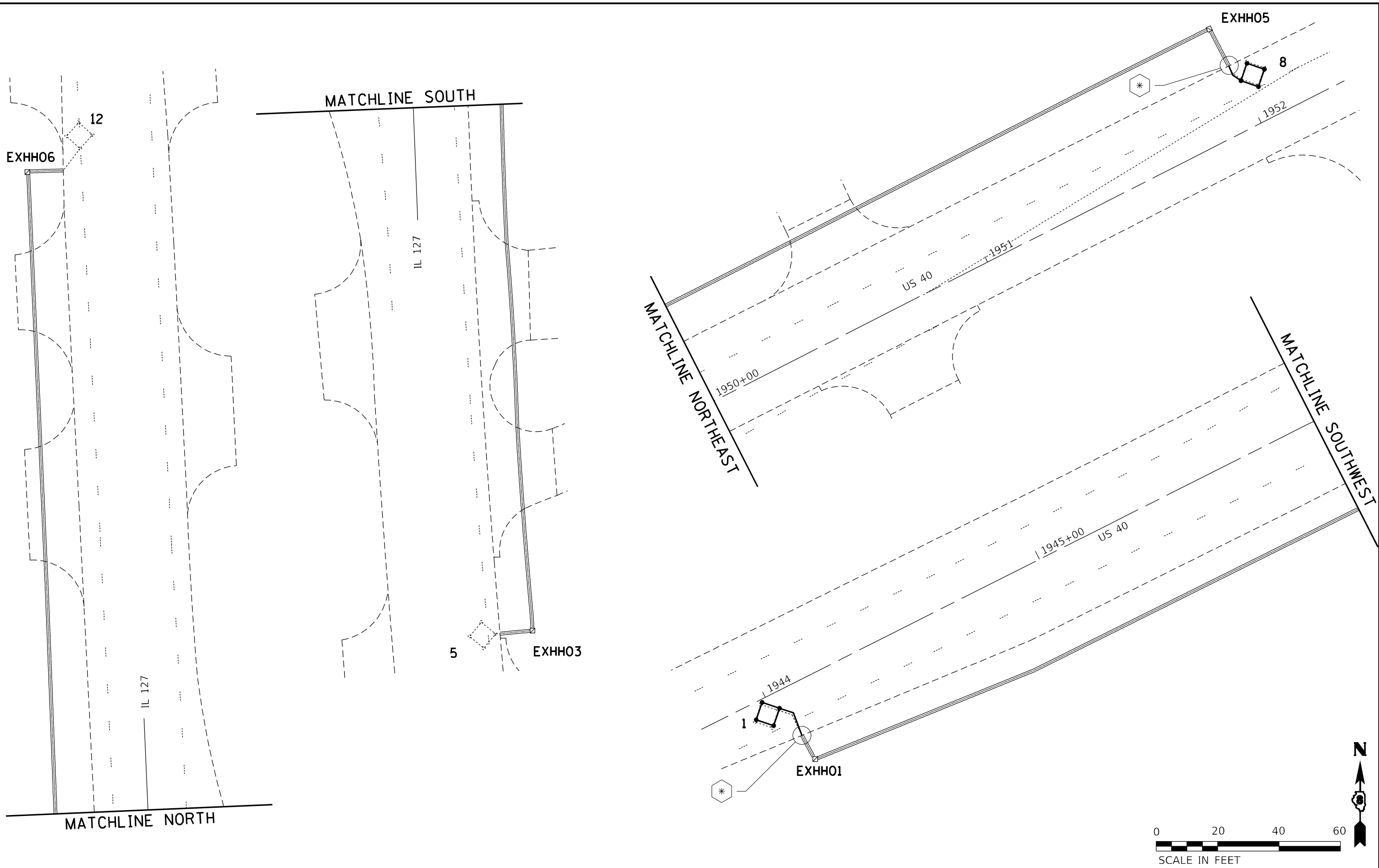
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US 40 AND IL 127
1 OF 2

SCALE: SHEET OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*FAU 9832/FAS 1751		CONTRACT NO. 76K46		
ILLINOIS		FED. AID PROJECT		

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	PLOT DATE = 5/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN			
US 40 AND IL 127			
2 OF 2			
SCALE:	SHEET	OF	SHEETS
STA.		TO STA.	

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
~	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	78
*FAU 9832/FAS 1751		CONTRACT NO. 76K46		
		ILLINOIS	FED. AID PROJECT	

Bench Mark: National Geodetic Survey P-113: Monument on concrete base ±66' southeast of intersection of CSX and BNSF tracks. Elev. 553.194 (NGVD 29), 552.78 (NAVD 88). Elevations on plans are in NGVD 29.

Existing Structure: SN 003-0019 was originally constructed in 1942 as a 5 span wide flange beam bridge, 280.000' back-to-back of abutment, concrete deck width 33.4' out-to-out. The superstructure was removed and reconstructed in 1988 with continuous steel beams and a concrete deck, 35'-2" out-to-out. The bridge is supported by stub abutments on piles and concrete wall piers on pile cap footings.

Salvage: None.

DESIGN STRESSES
Existing Structure (1988 Construction)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M223 Grade 50)
 $f_y = 36,000$ psi (M-183)

New Construction

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

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

LOADING HS20-44

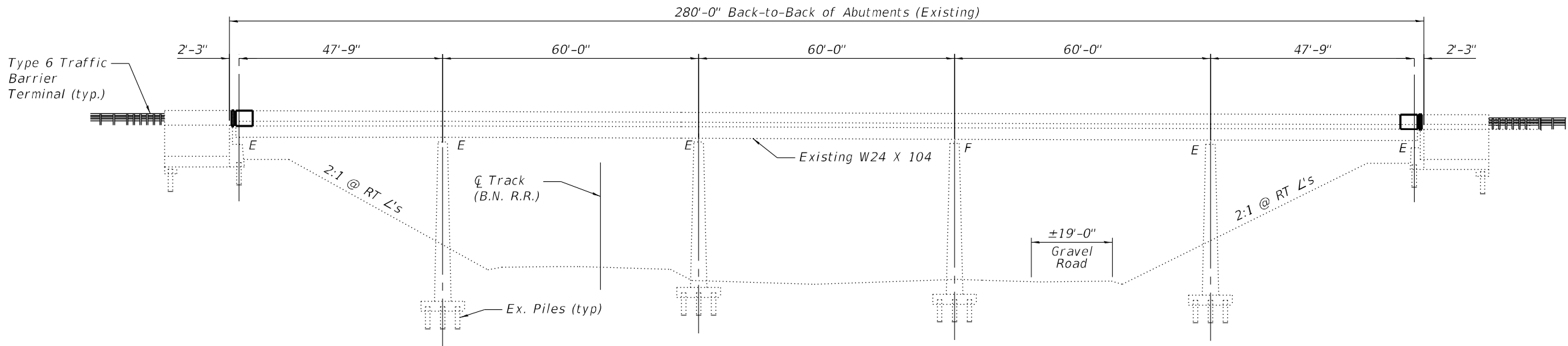
INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Temporary Concrete Barrier for Stage Construction
- 4 - Concrete Removal Details
- 5 - Superstructure
- 6 - Superstructure Details
- 7 - Superstructure Typical Section
- 8 - Preformed Joint Strip Seal
- 9 - West Approach Drain Repairs
- 10 - West Abutment Concrete Removal
- 11 - West Abutment Plan & Elevation
- 12 - East Abutment Concrete Removal
- 13 - East Abutment Plan & Elevation
- 14 - Existing Steel Cleaning and Painting Details
- 15 - Bar Splicer Assembly and Mechanical Splicer Details
- 16 - Existing Plans

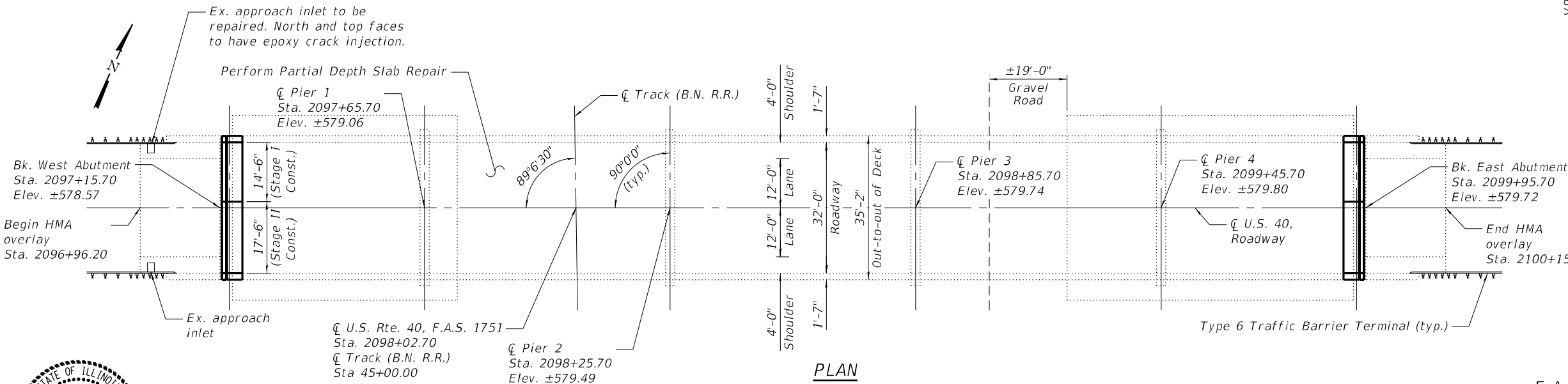
SCOPE OF WORK

To be completed under staged construction.

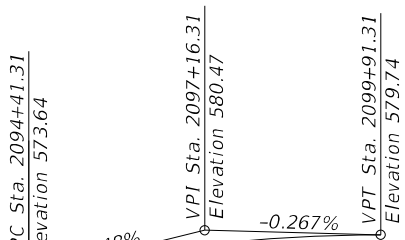
1. Repair bridge deck.
2. Seal joint between approach parapets and approach shoulders.
3. Repair abutment backwalls.
4. Reconstruct deck joints at each abutment with preformed joint strip seal.
5. Install new waterproofing and HMA overlay.
6. Clean and paint structural steel at designated locations.
7. Repair west abutment approach drain on north side.
8. Upgrade & reconnect guardrail transitions (See Roadway Plans).
9. Re-establish aggregate shoulders at approach ends at all four (4) quadrants (See Roadway Plans).



ELEVATION

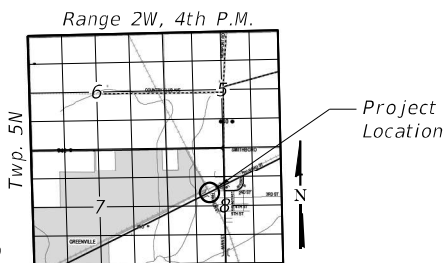


PLAN



PROFILE GRADE

(Along U.S. 40)



LOCATION SKETCH

GENERAL PLAN & ELEVATION

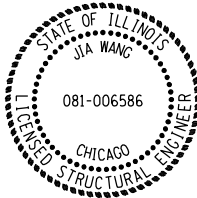
US 40 OVER B&N RAILROAD

F.A.U. 9832 - SEC. (Q-1,X-1,F-1)RS-2

BOND COUNTY

STATION 2098+55.70

STRUCTURE NO. 003-0018



Signed:
Dated: 05/12/2022
Expires: November 30, 2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 003-0018

SHEET 1 OF 16 SHEETS

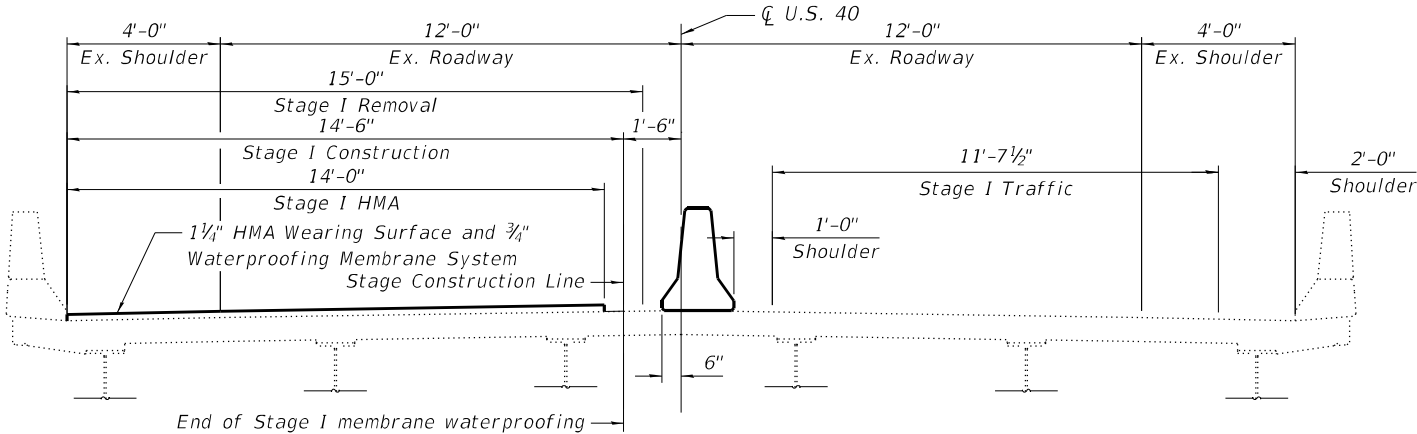
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1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	80
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- All heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications at ambient temperature other than 50°F.
- Cleaning and painting of the existing structure steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within 5 ft. (measured along the beam), unless noted otherwise, of either side of the deck joints shall be cleaned per Near White Blast Cleaning - SSPC-SP-10.
- The designated areas cleaned per Near White Blast Cleaning - SSPC-SP-10 shall be painted according to the requirements of Paint System 1 - 0Z/E/U.
- The color of the final finish coat for all steel surfaces shall be Blue, Munsell NO. 10B 3/6.
- Containment and disposal of non-lead paint cleaning residues shall be as specified in special provisions for "Containment and Disposal of Non-Lead Paint Cleaning Residues".
- The painting Contractor shall be SSPC-QP1 certified for this project and shall maintain certification throughout the duration of the project.
- Quantity of Deck Slab Repair (Partial) shown on the plans is an estimate based on existing conditions at the time of the estimate. Final quantities shall be determined by the Engineer in the field.
- All exposed concrete edges shall have a standard 3/4" chamfer unless noted otherwise.

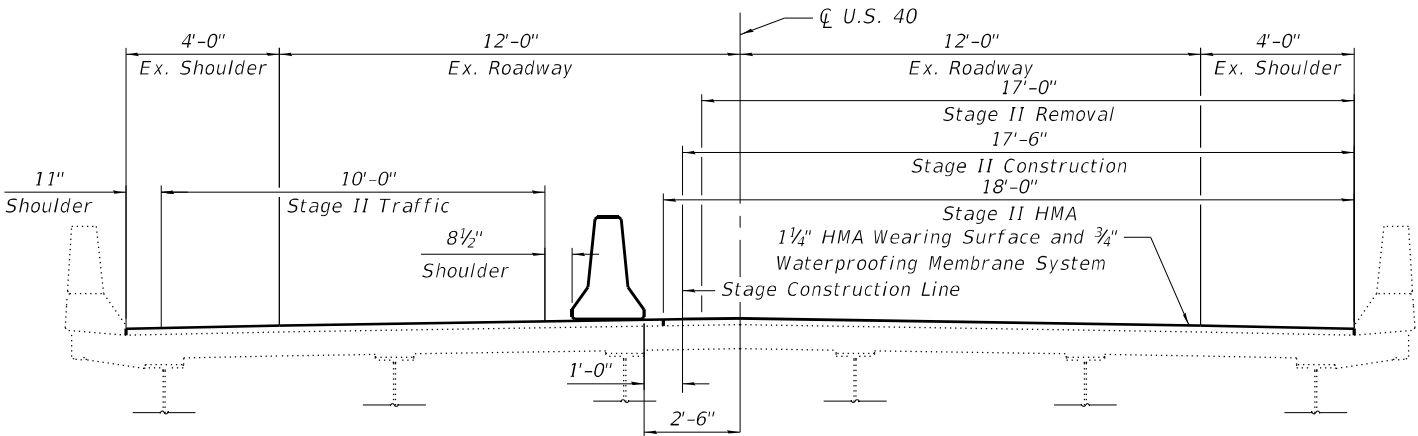
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Hot-Mix Asphalt Surface Course, IL-9.5FG, Mix "D", N70	Ton	71		71
Concrete Removal	Cu. Yd.	7.7	4.4	12.1
Concrete Structures	Cu. Yd.		4.4	4.4
Concrete Superstructure	Cu. Yd.	7.7		7.7
Reinforcement Bars, Epoxy Coated	Pound	1,420	320	1,740
Bar Splicers	Each	28	8	36
Preformed Joint Strip Seal	Foot	68		68
Epoxy Crack Injection	Foot	5		5
Replace Joint Filler	Foot	56		56
Containment and Disposal of non-lead Paint Cleaning Residues No. 1	L. Sum	1		1
Cleaning and Painting Steel Bridge No. 1	L. Sum	1		1
Cleaning Existing Inlets	Each	1		1
Deck Slab Repair (Partial)	Sq. Yd.	20		20
Waterproofing Membrane System	Sq. Yd.	961		961



STAGE 1 - TYPICAL SECTION

(Looking Upstation)



STAGE - 2 TYPICAL SECTION

(Looking Upstation)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

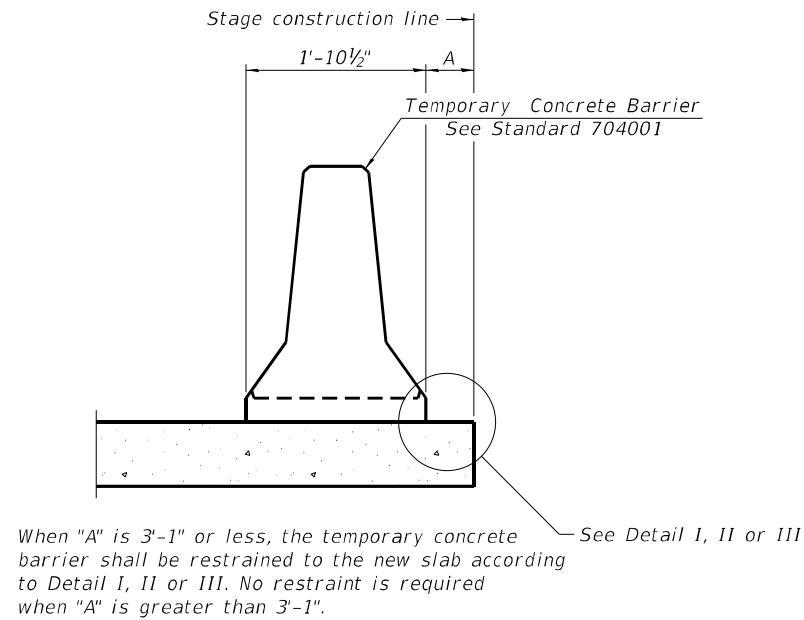
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STRUCTURE NO. 003-0018

SHEET 2 OF 16 SHEETS

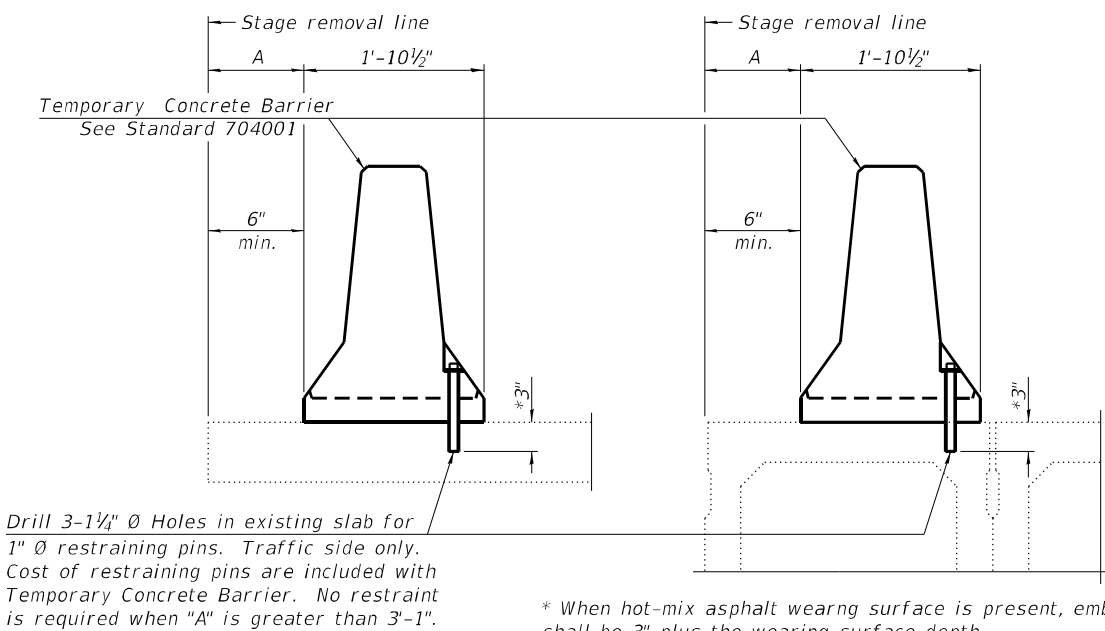
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1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	81
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

 Kaskaskia Engineering Group, LLC 1827 N. Main St., Suite 100 Bella Vista, Illinois 62229 618.453.8877 phone 618.453.8877 fax www.kaskaskiaeng.com REGISTERED PROFESSIONAL ENGINEERS ILLINOIS 05-088056	USER NAME =	DESIGNED - MLC	REVISED -
	CHECKED - JW	CHECKED - JW	REVISED -
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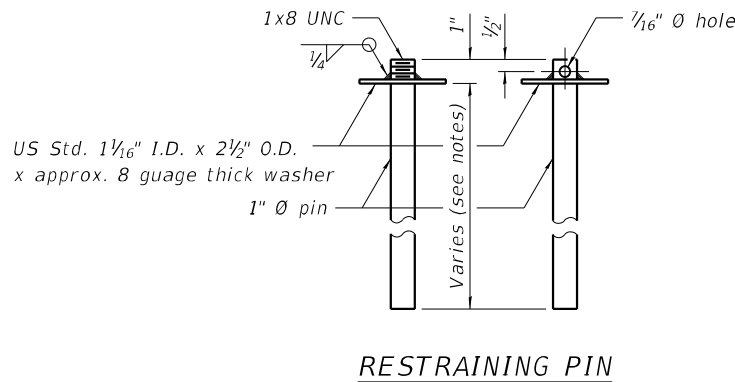


NEW SLAB OR NEW DECK BEAM



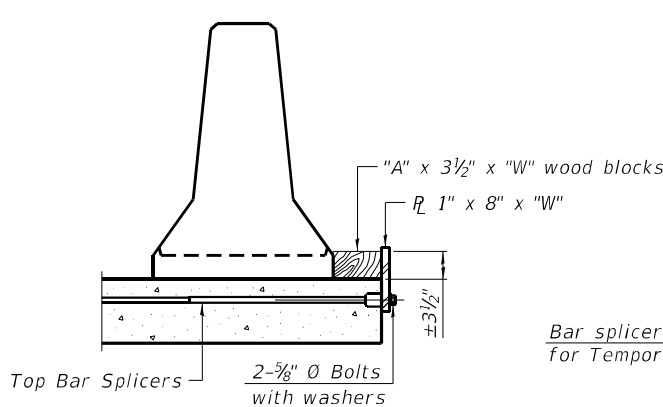
EXISTING SLAB

EXISTING DECK BEAM

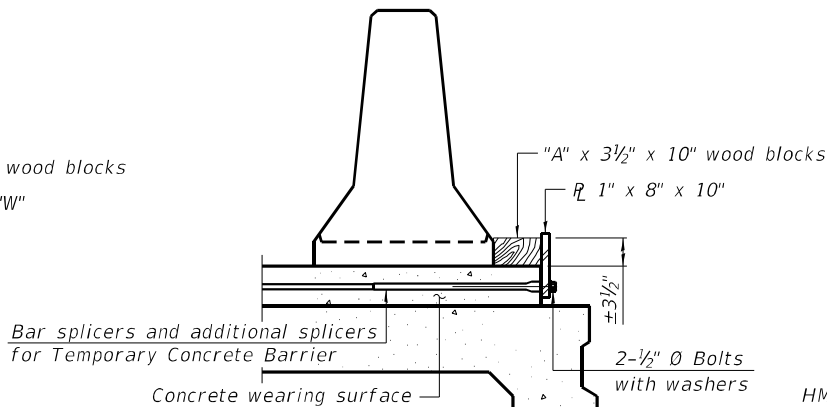


RESTRAINING PIN

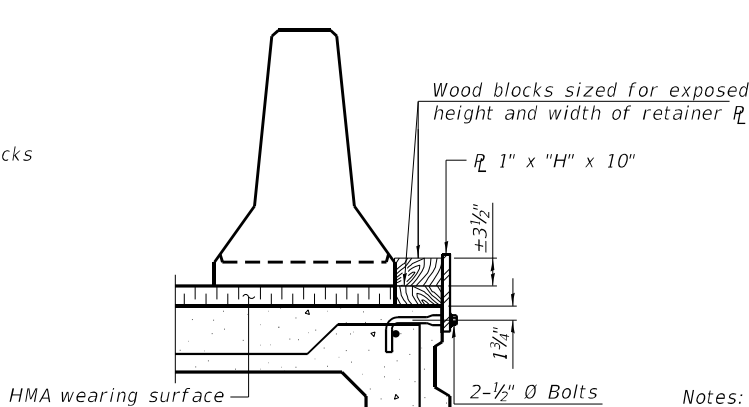
SECTIONS THRU SLAB OR DECK BEAM



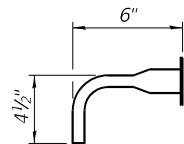
DETAIL I



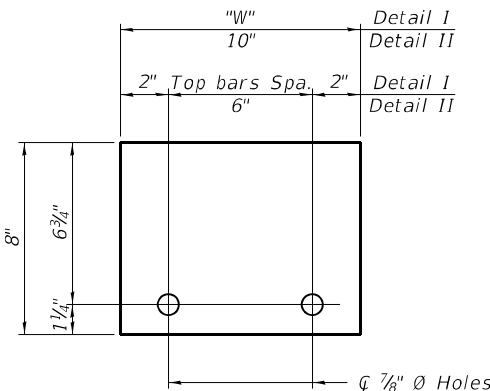
DETAIL II



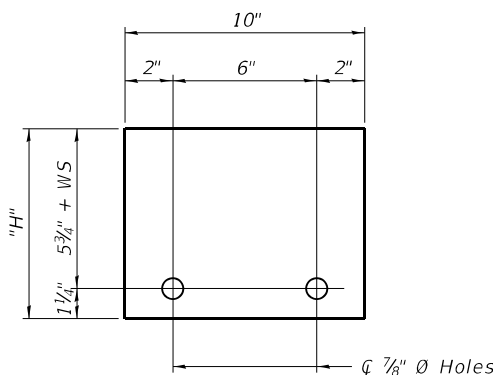
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

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

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

R-27

8-11-2017



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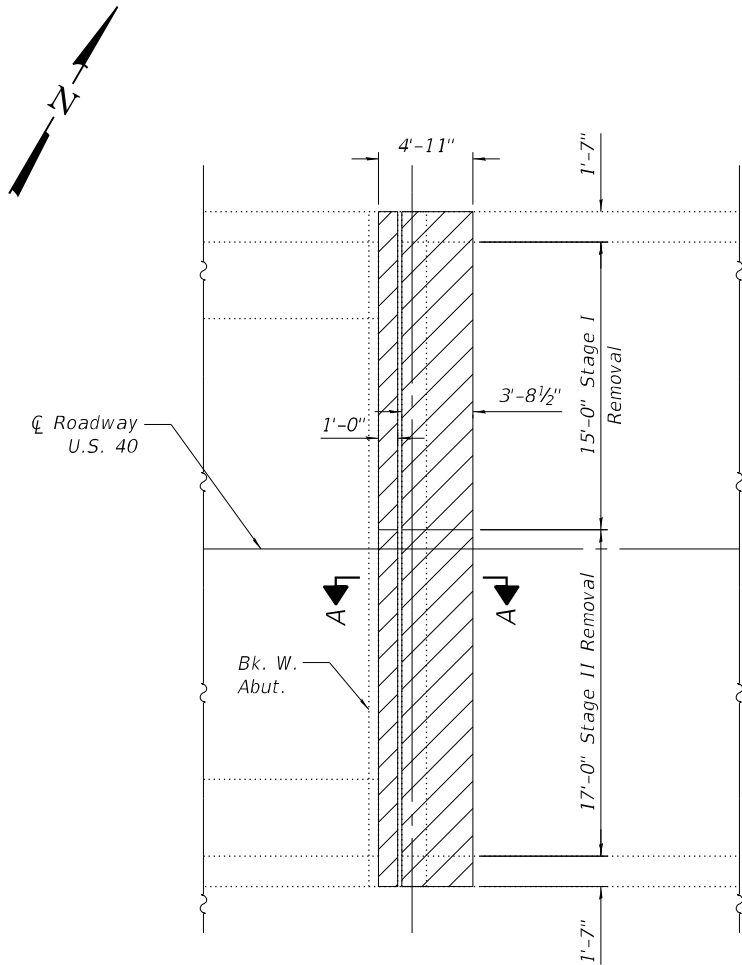
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 003-0018

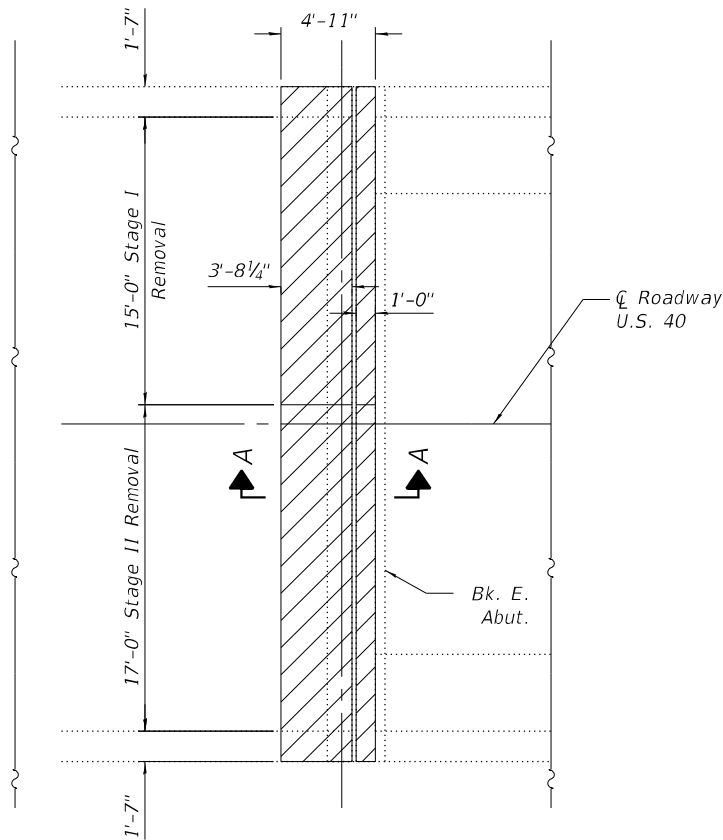
SHEET 3 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBR-1	BOND	113	82
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

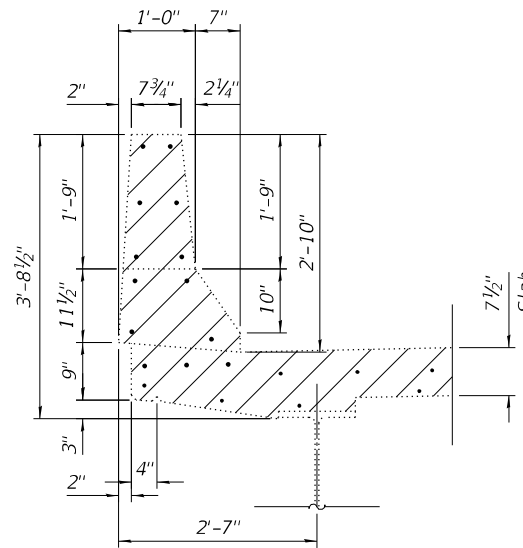
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PLAN
(West Abutment - Showing Concrete Removal)



PLAN
(East Abutment - Showing Concrete Removal)



SECTION THRU PARAPET

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	7.7

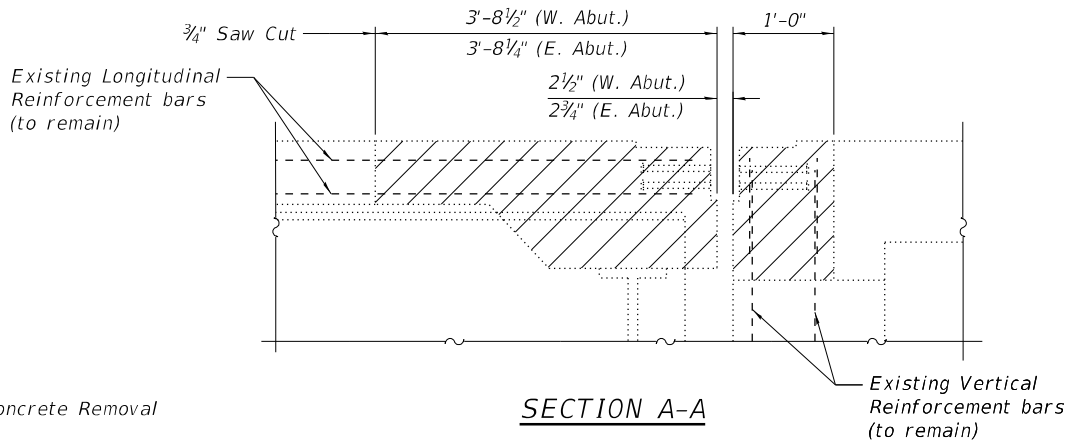
Notes:

The Contractor shall use extreme care during concrete removal so as not to damage the existing steel beams. Any steel damaged during concrete removal operations shall be repaired at the Contractor's expense.

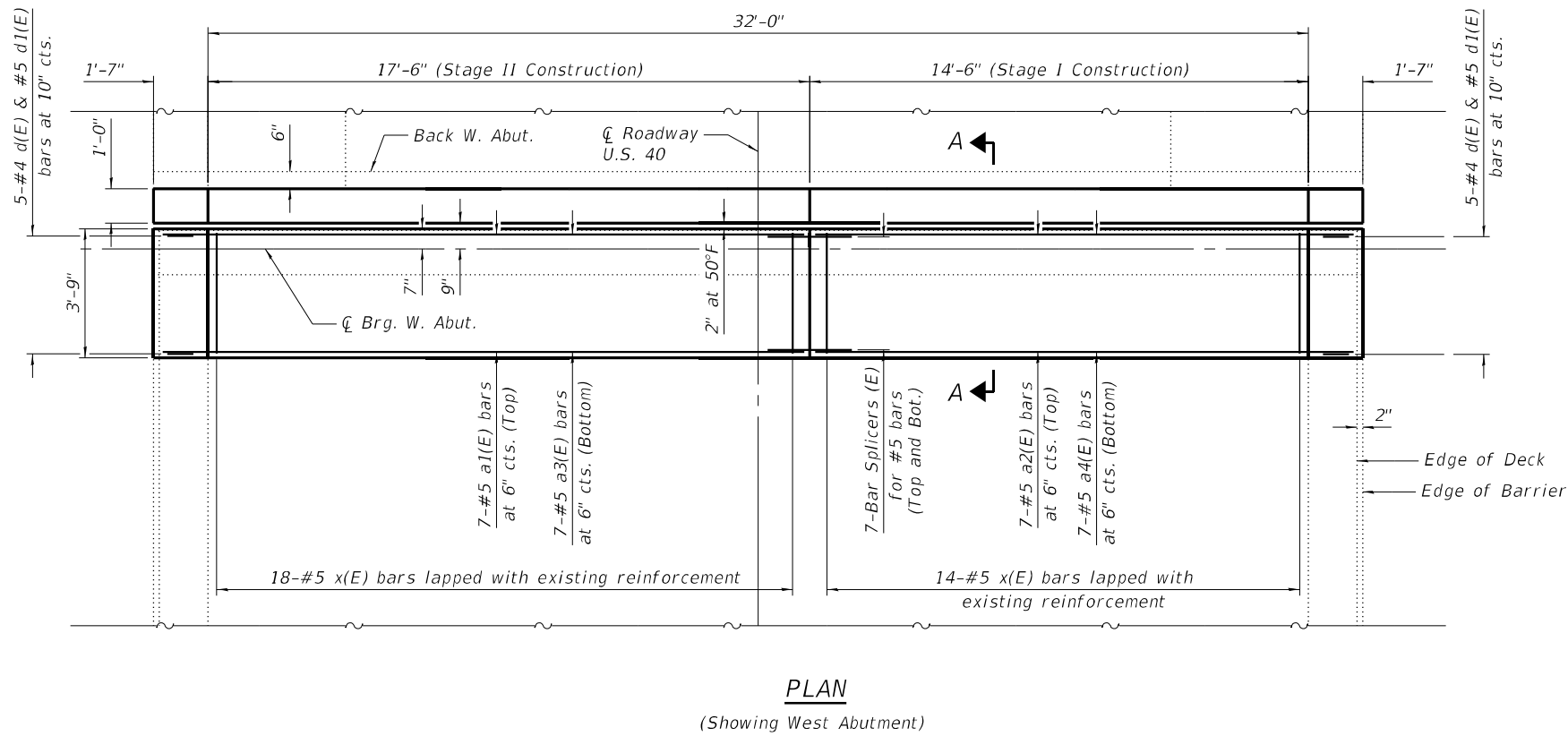
Removal of existing expansion joint and associated material shall not be paid for separately, but shall be included in the cost of Concrete Removal.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced at the Contractor's expense.

Stud shear connectors damaged during concrete removal operations shall be removed and replaced per Section 505 of the Standard Specifications at the Contractor's expense.

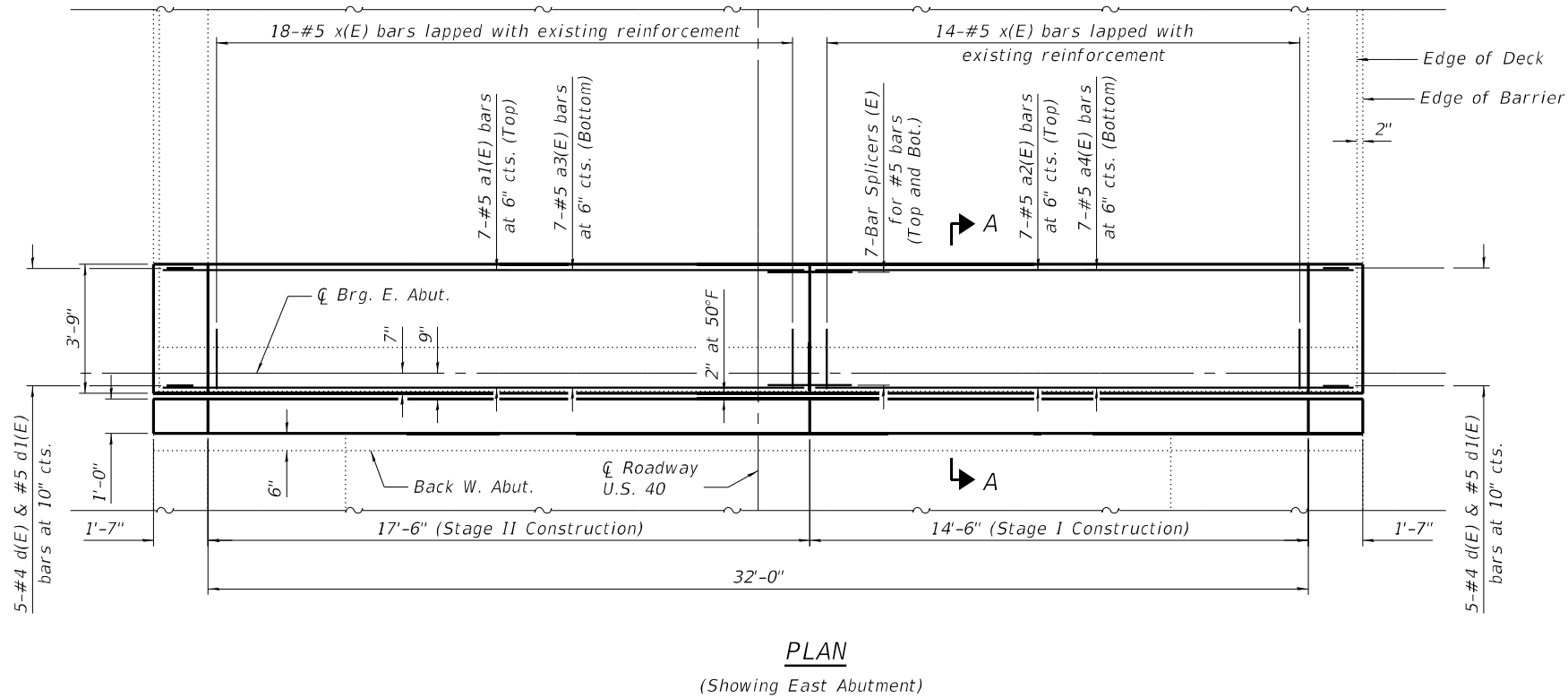


 Indicates Concrete Removal



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

Notes:
See Sheet 6 of 16 for Section A-A.



MODEL: Default
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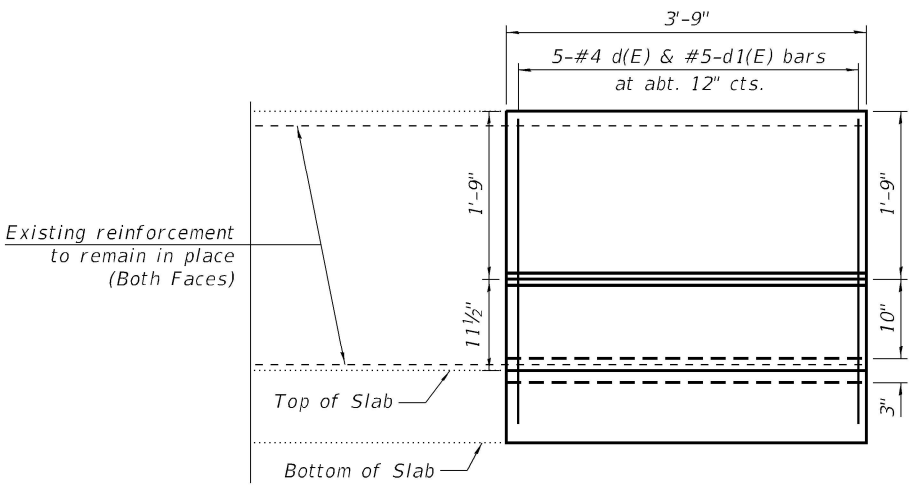
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

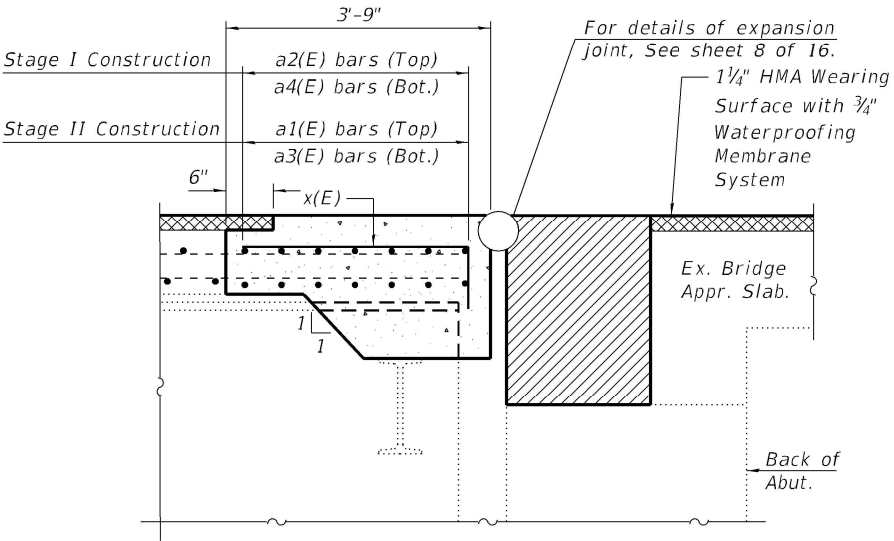
SUPERSTRUCTURE
STRUCTURE NO. 003-0018

SHEET 5 OF 16 SHEETS

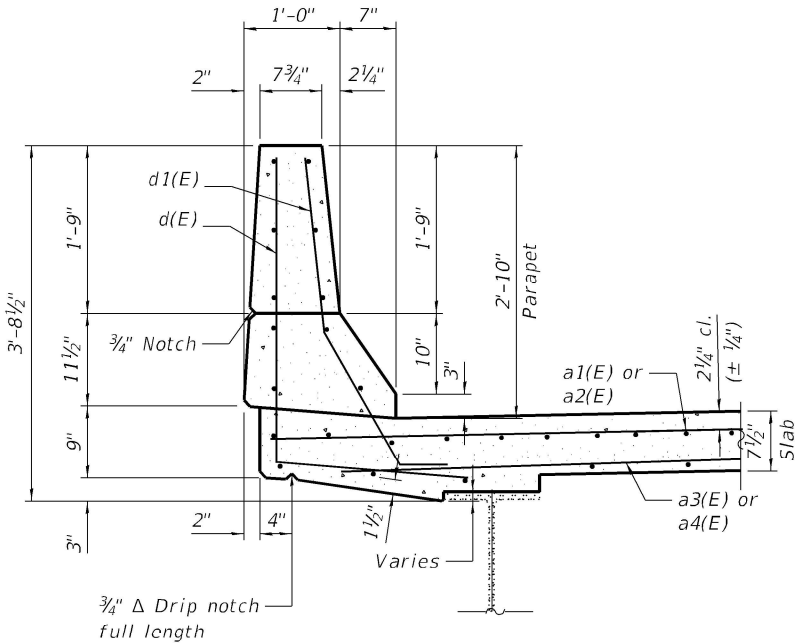
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CONTRACT NO. 76K46				
ILLINOIS		FED. AID PROJECT		



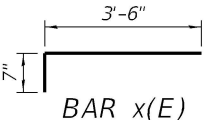
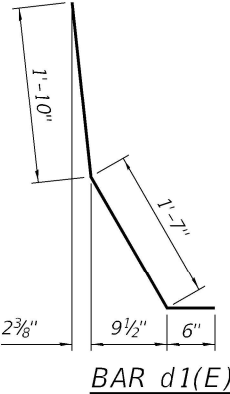
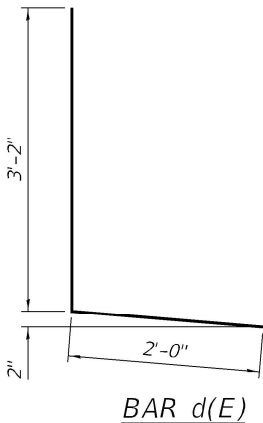
Outside Elevation
(South Parapet - East Abutment shown, others similar)



SECTION A-A
(at right angle)



SECTION THRU PARAPET



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	14	#5	18'-9"	
a2(E)	14	#5	15'-9"	
a3(E)	14	#5	18'-3"	
a4(E)	14	#5	15'-3"	
d(E)	20	#4	5'-2"	
d1(E)	20	#5	3'-11"	
x(E)	64	#5	4'-1"	
Concrete Superstructure			Cu. Yd.	7.7
Reinforcement Bars, Epoxy Coated			Pound	1420
Hot-Mix Asphalt Surface Course, IL-9.5FG, Mix "D", N70			Ton	71

MODEL: Default
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20-080056

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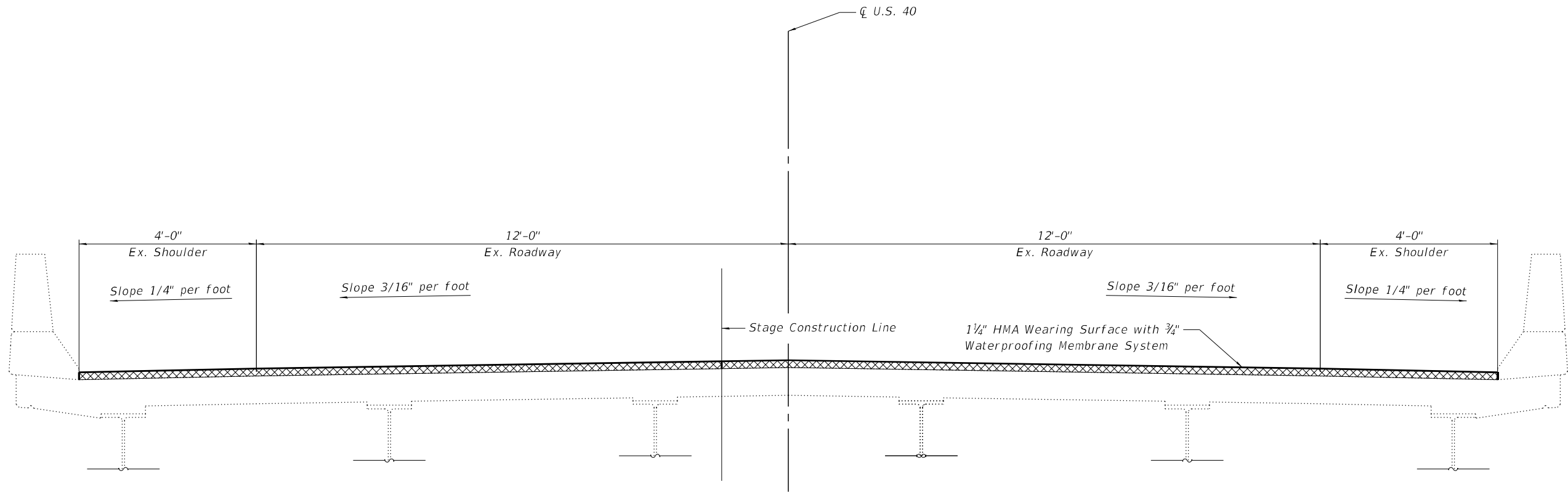
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 003-0018

SHEET 6 OF 16 SHEETS

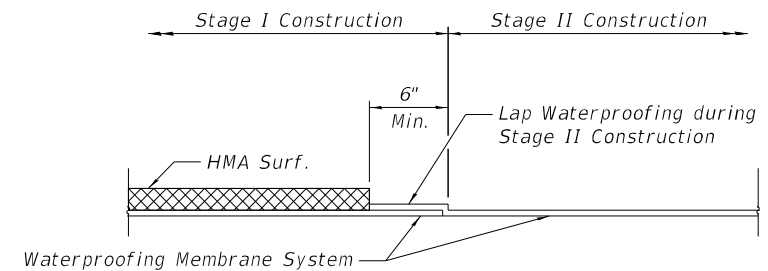
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

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SUPERSTRUCTURE TYPICAL SECTION
(Looking Upstation)

Notes:
See Roadway Plans for additional wearing surface details.



WATERPROOFING TREATMENT
AT STAGE CONSTRUCTION

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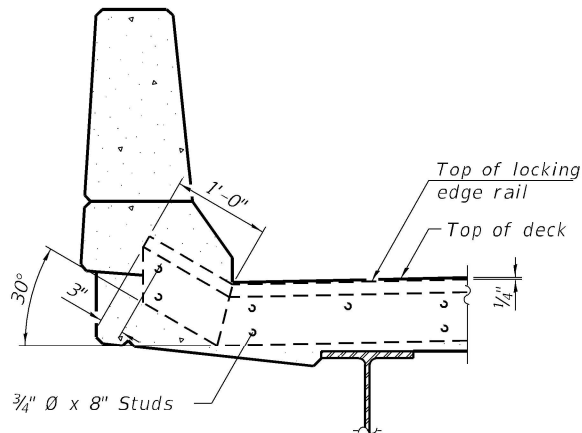
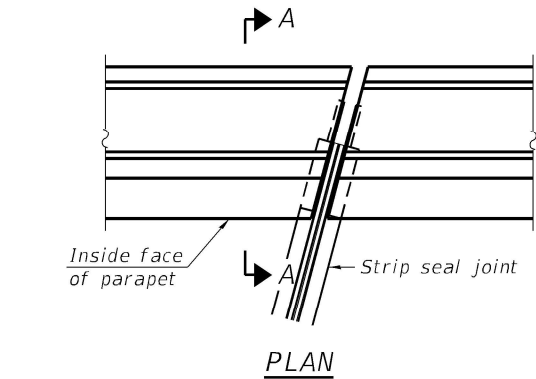
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE TYPICAL SECTION
STRUCTURE NO. 003-0018

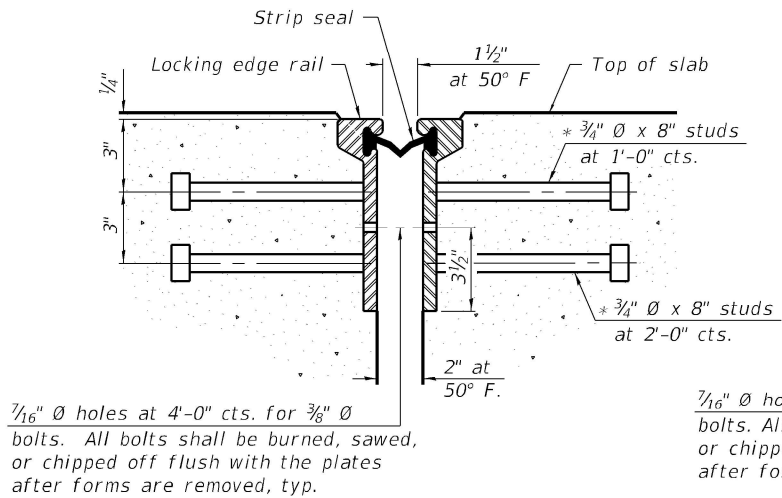
SHEET 7 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

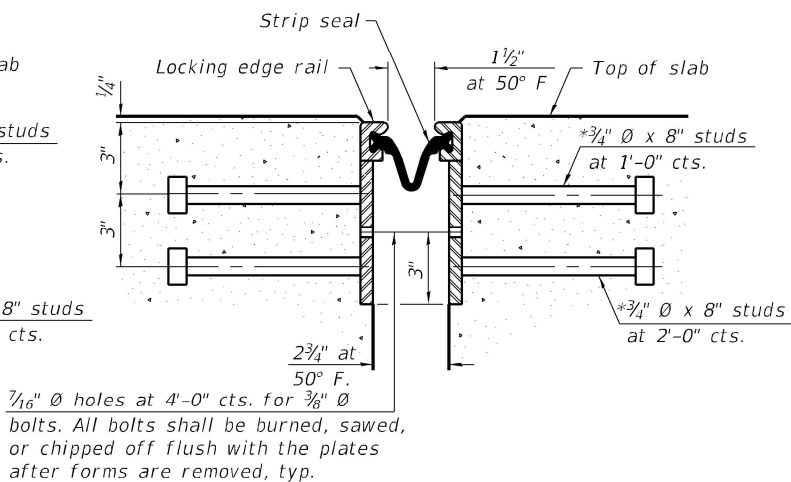
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SECTION A-A



SECTION THRU
ROLLED RAIL JOINT



SECTION THRU
WELDED RAIL JOINT

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

ROLLED
EXTRUDED RAIL

WELDED RAIL

LOCKING EDGE
RAIL SPLICE

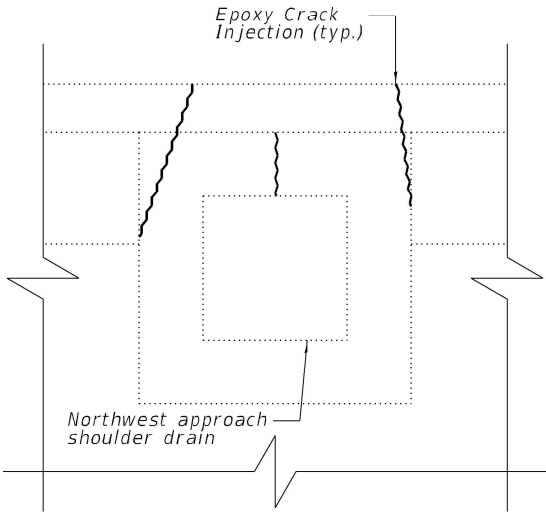
The inside of the locking edge rail groove shall be free of weld residue.
Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

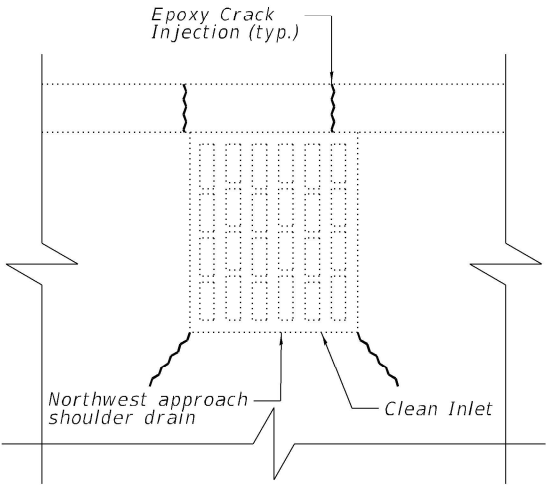
Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	68



ELEVATION



PLAN

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Epoxy Crack Injection	FOOT	5
Cleaning Existing Inlets	EACH	1

MODEL: Default
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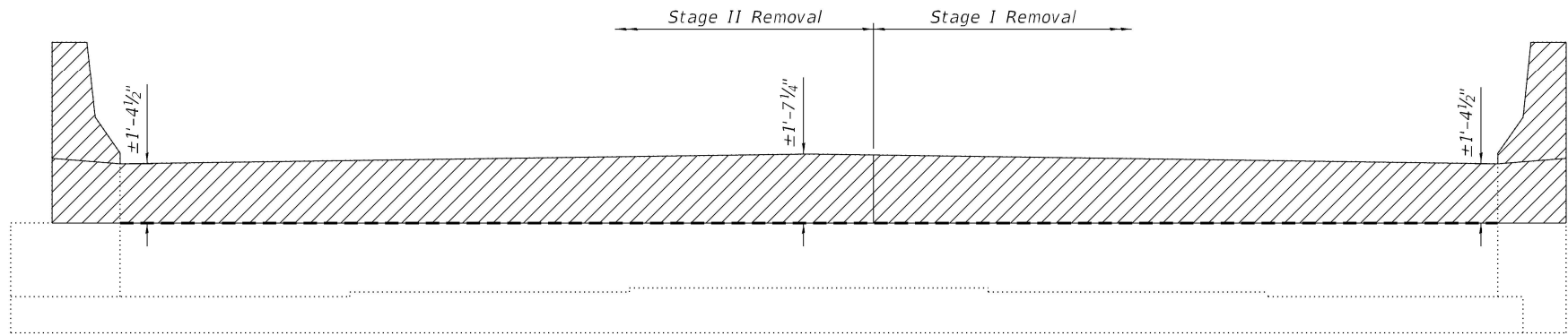
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST APPROACH DRAIN REPAIRS
STRUCTURE NO. 003-0018

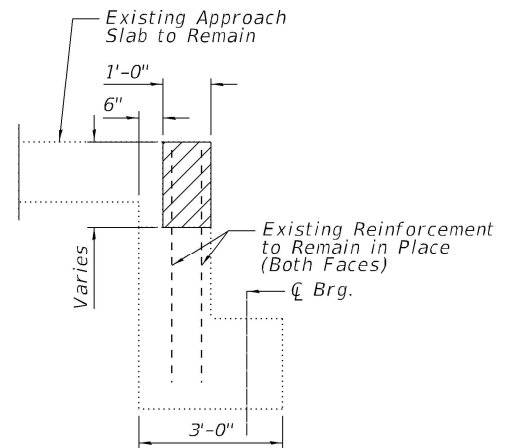
SHEET 9 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

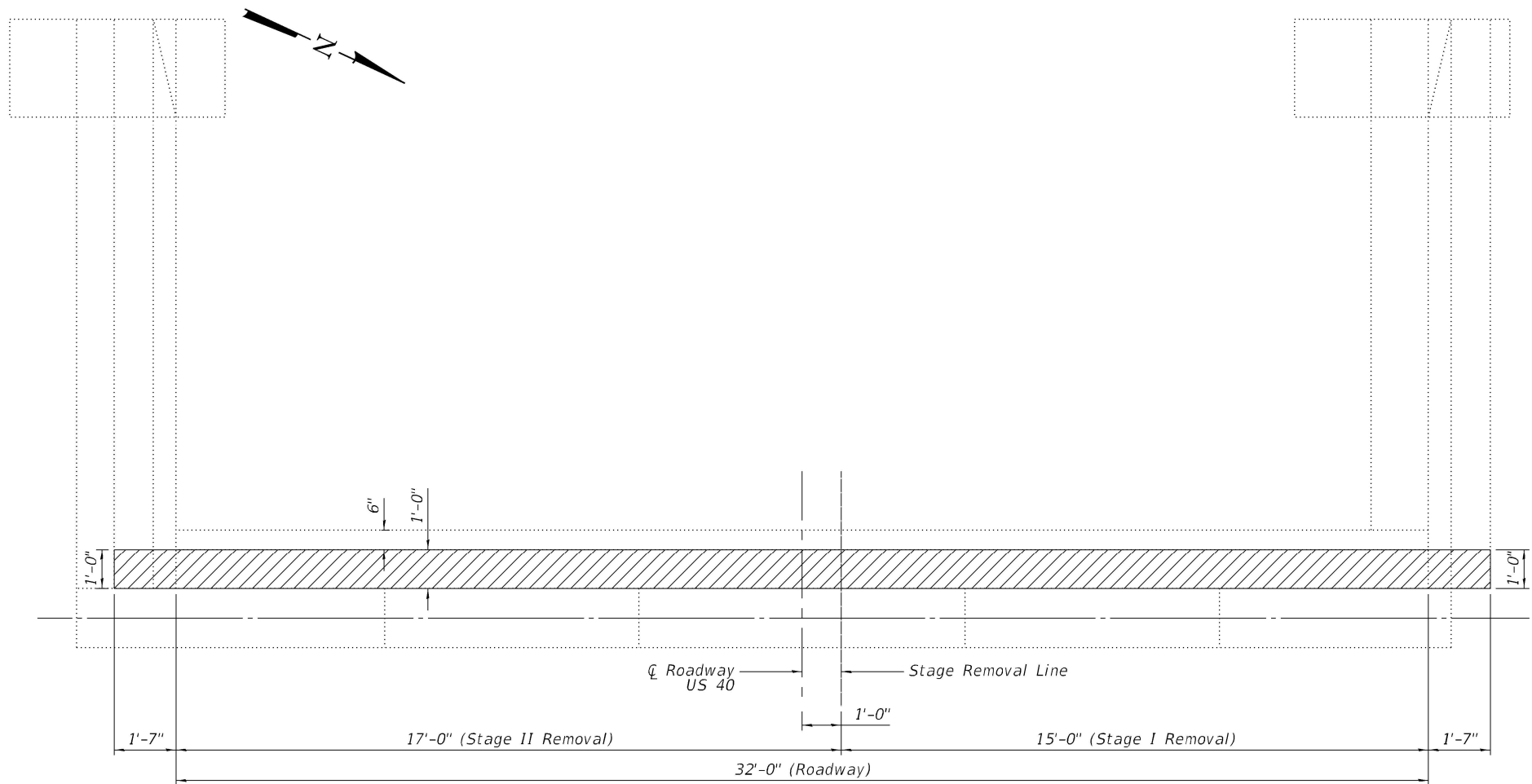
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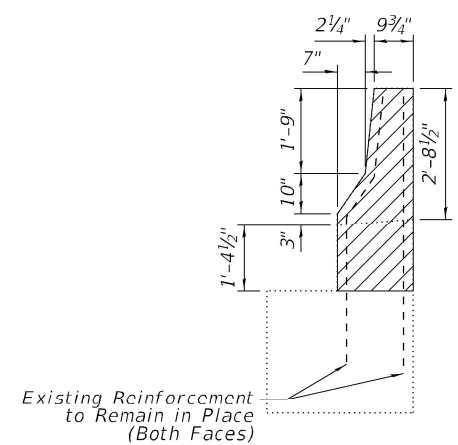
ELEVATION



SECTION THRU ABUTMENT



PLAN



SECTIONS THRU WING WALL
(North Wing Wall Shown, South Similar)

 - Indicates Limits of Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	CU YD	2.2

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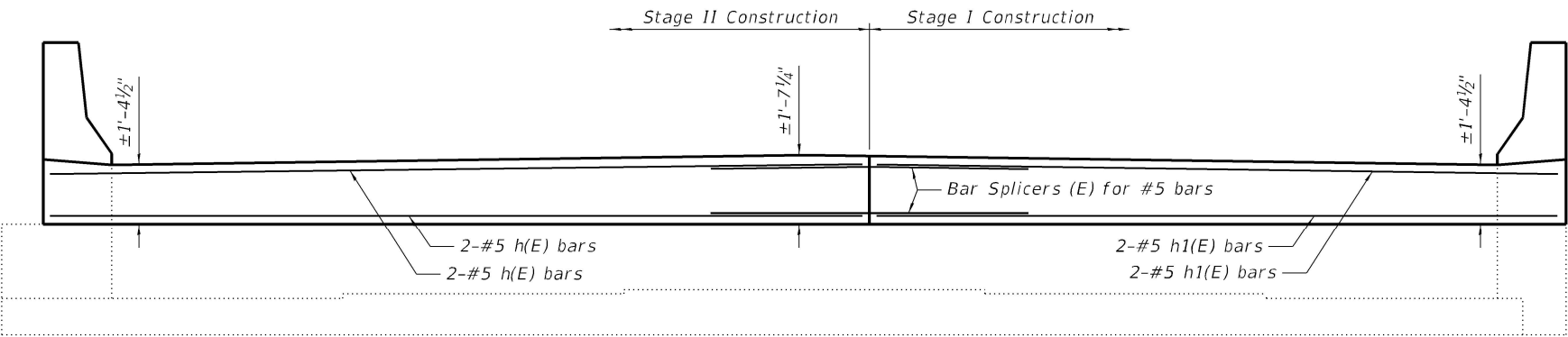
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DEPARTMENT OF TRANSPORTATION

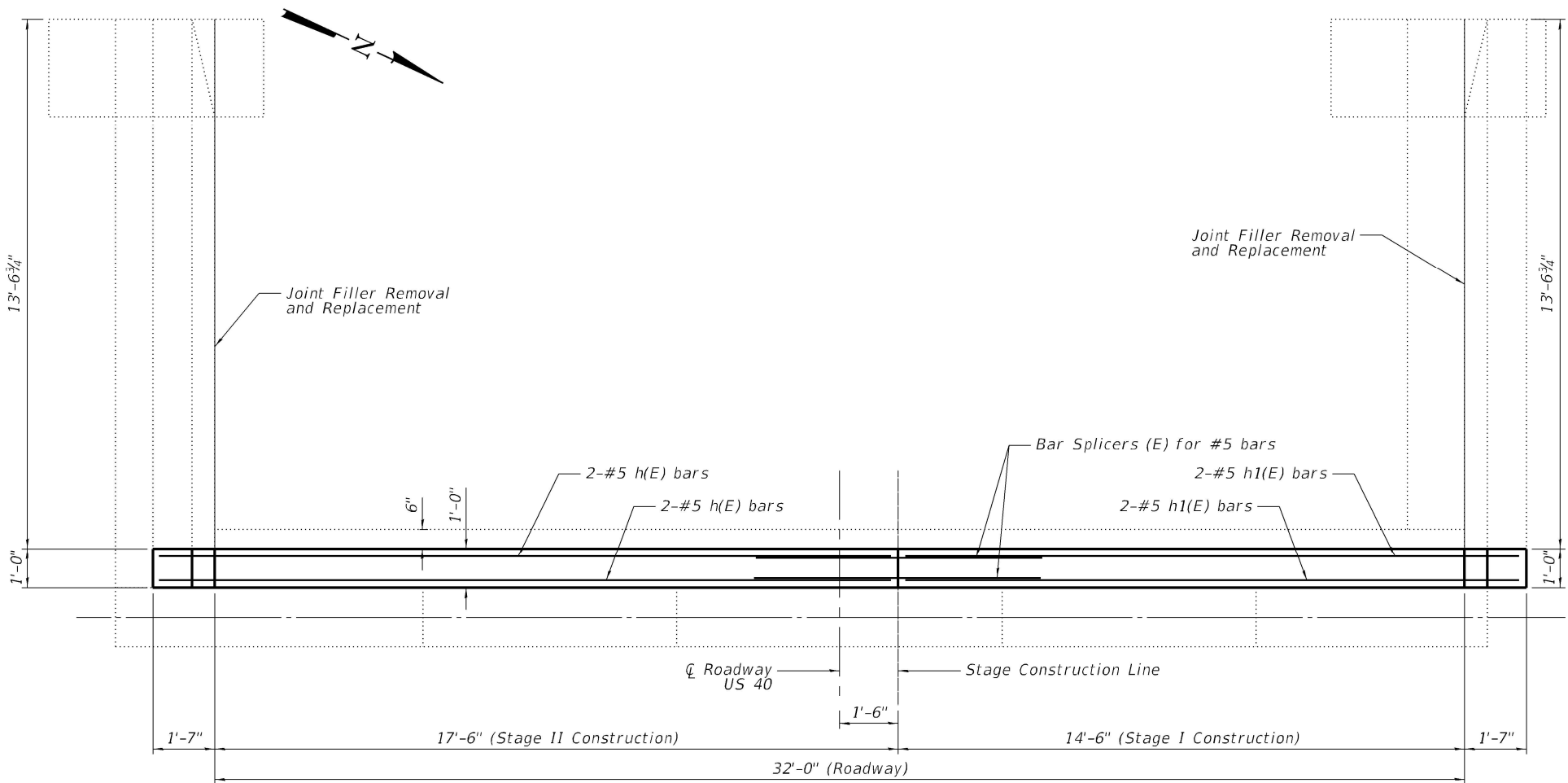
WEST ABUTMENT CONCRETE REMOVAL
STRUCTURE NO. 003-0018

SHEET 10 OF 16 SHEETS

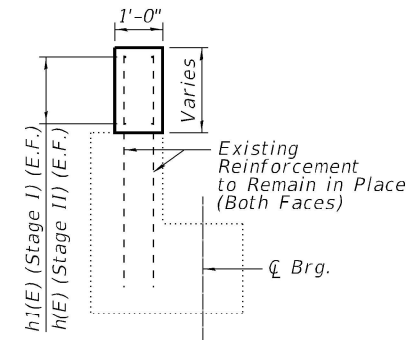
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1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	89
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				



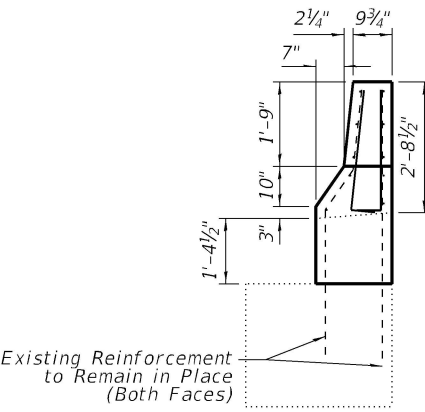
ELEVATION



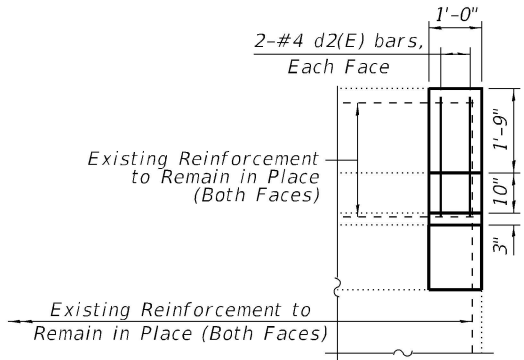
PLAN



SECTION THRU ABUTMENT



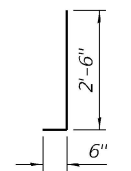
SECTIONS THRU WING WALL
(North Wing Wall Shown, South Similar)



WING WALL ELEVATION
(North Wing Wall Shown, South Similar)

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	8	#4	3'-0"	
h(E)	4	#5	18'-9"	
h1(E)	4	#5	15'-9"	
Concrete Structures			Cu. Yd.	2.2
Reinforcement Bars, Epoxy Coated			Pound	160
Replace Joint Filler			Foot	28



BAR d2(E)

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Professional Engineering Group

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Pella, IA 50224
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641.353.2877 Fax
www.kaskaskiaeng.com

10/1/2019
20-088000

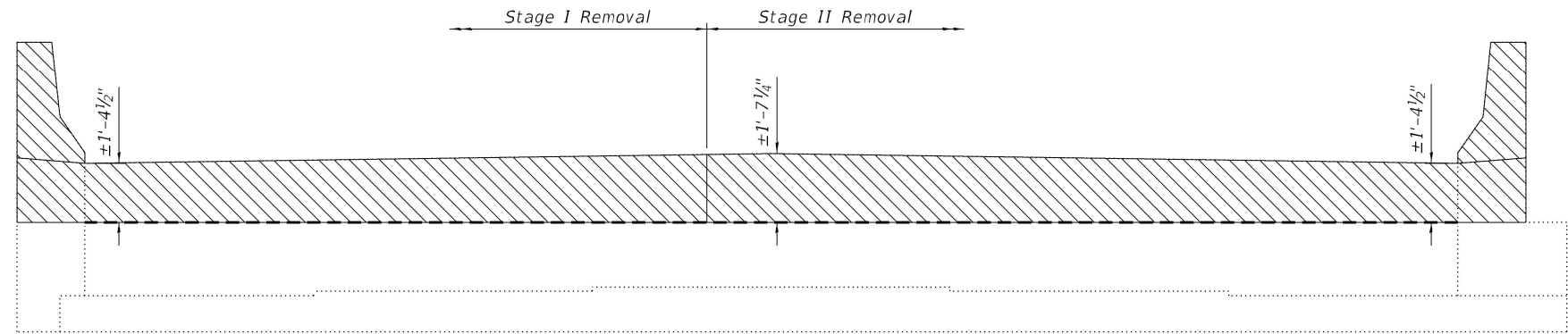
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

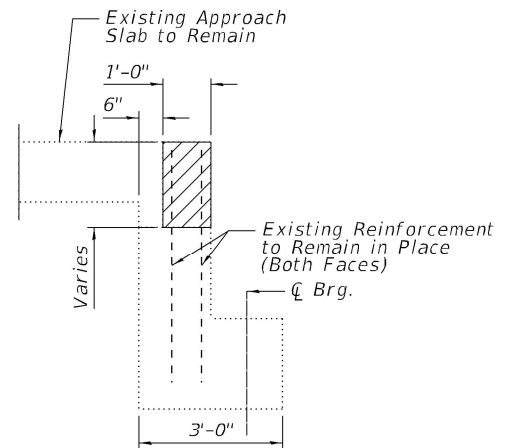
WEST ABUTMENT PLAN & ELEVATION
STRUCTURE NO. 003-0018

SHEET 11 OF 16 SHEETS

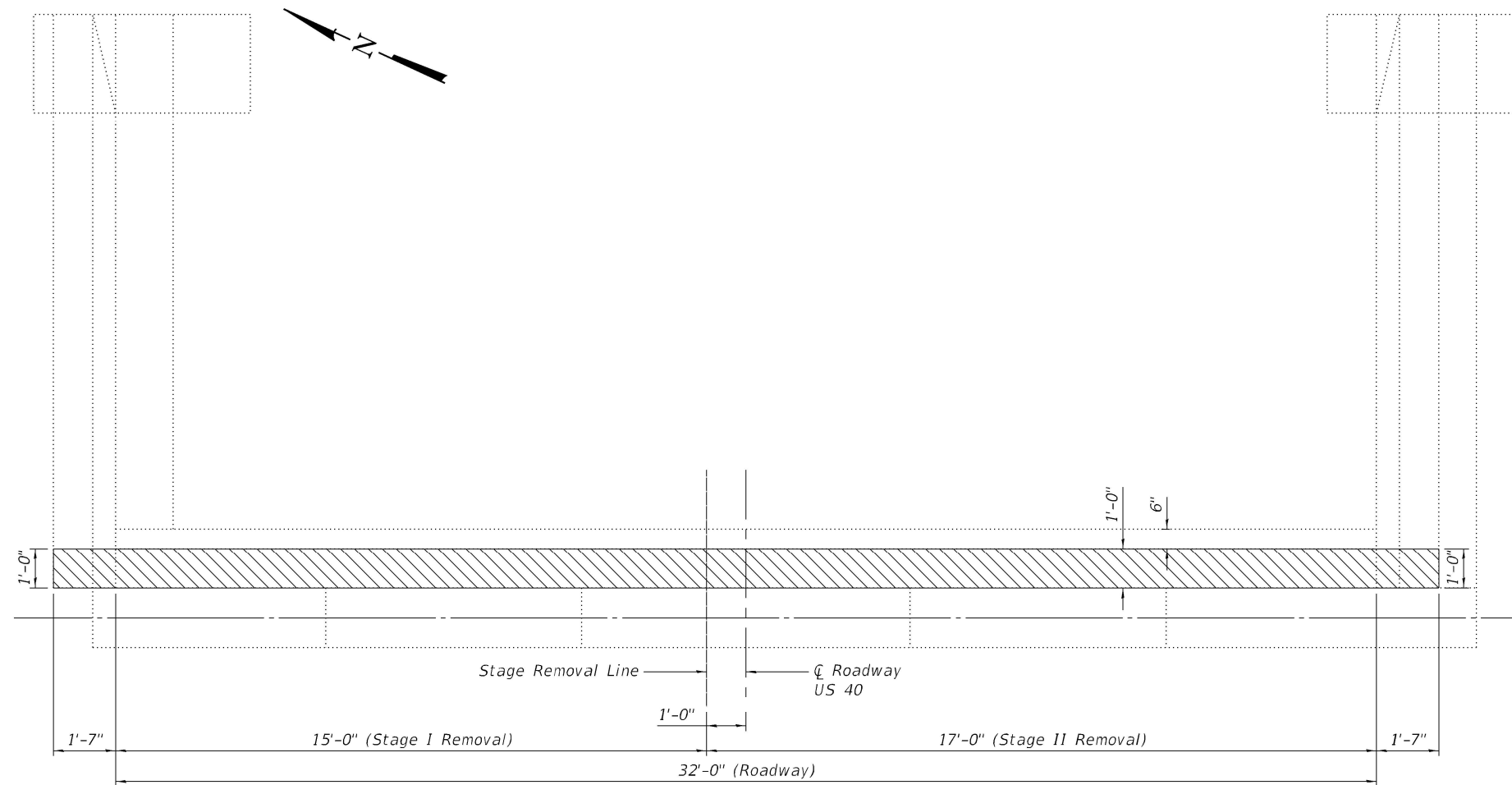
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				



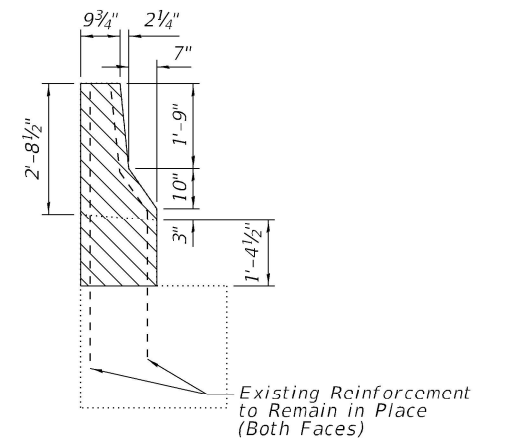
ELEVATION



SECTION THRU ABUTMENT



PLAN



SECTIONS THRU WING WALL
(North Wing Wall Shown, South Similar)

 - Indicates Limits of Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	CU YD	2.2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT CONCRETE REMOVAL
STRUCTURE NO. 003-0018

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	91
CONTRACT NO. 76K46				
		ILLINOIS	FED. AID PROJECT	

SHEET 12 OF 16 SHEETS



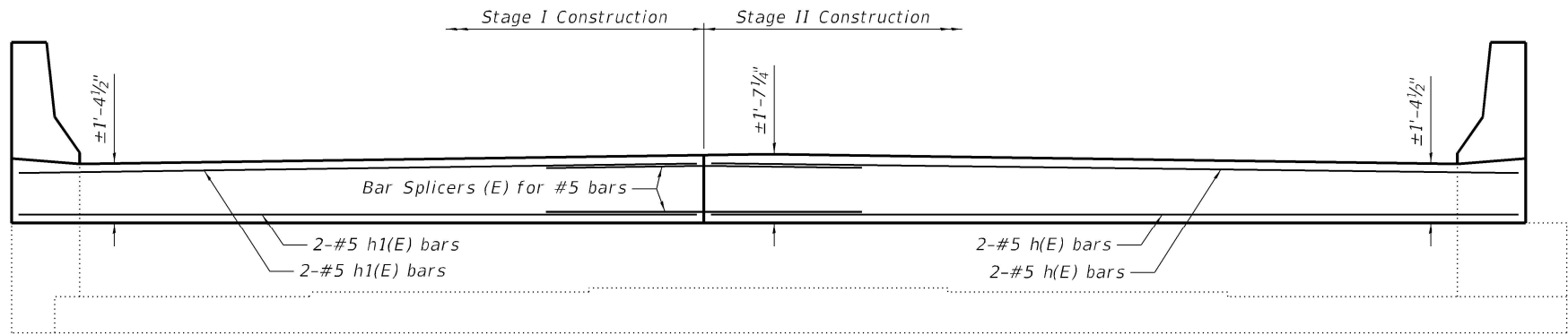
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Professional Engineering Group

201 E. Main St., Suite 100
Pella, IA 52651
641.353.2877
641.353.2877 fax
www.kaskaskiaeng.com

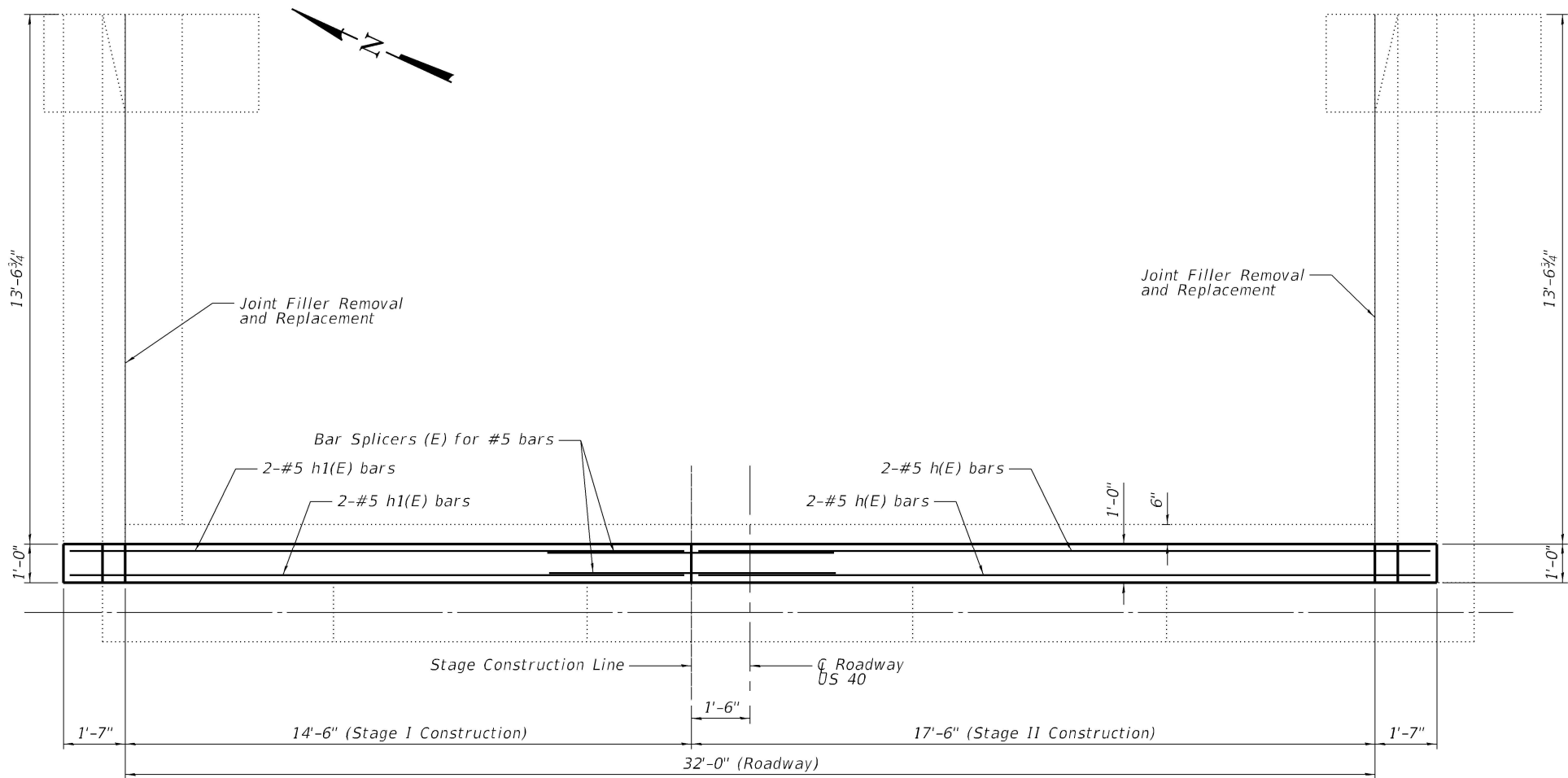
ILLINOIS
Professional Engineering Group
003-000000

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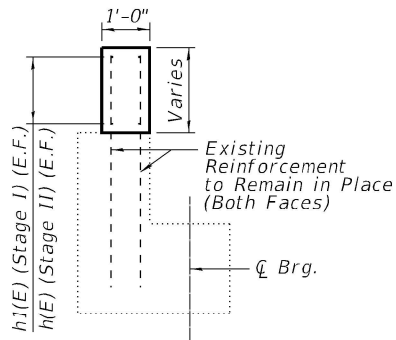
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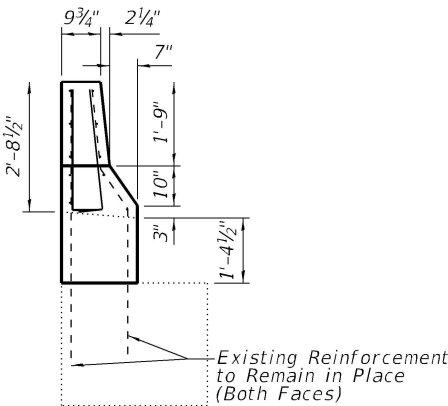
ELEVATION



PLAN

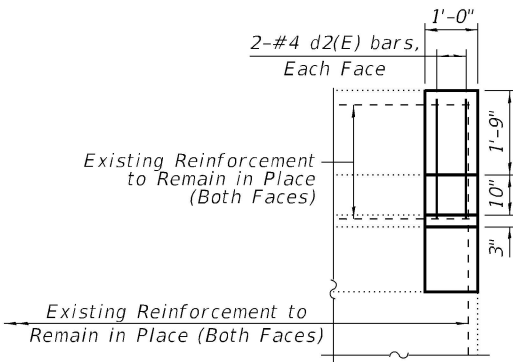


SECTION THRU ABUTMENT



SECTIONS THRU WING WALL

(North Wing Wall Shown, South Similar)

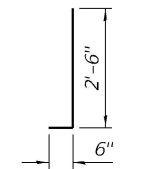


WING WALL ELEVATION

(North Wing Wall Shown, South Similar)

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	8	#4	3'-0"	
h(E)	4	#5	18'-9"	
h1(E)	4	#5	15'-9"	
Concrete Structures			Cu. Yd.	2.2
Reinforcement Bars, Epoxy Coated			Pound	160
Replace Joint Filler			Foot	28



BAR d2(E)

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USER NAME =	DESIGNED - MMC	REVISED -
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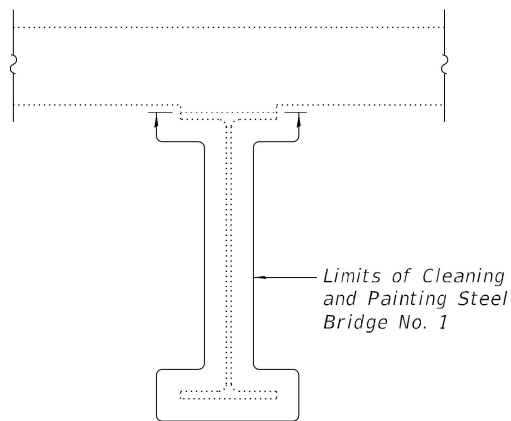
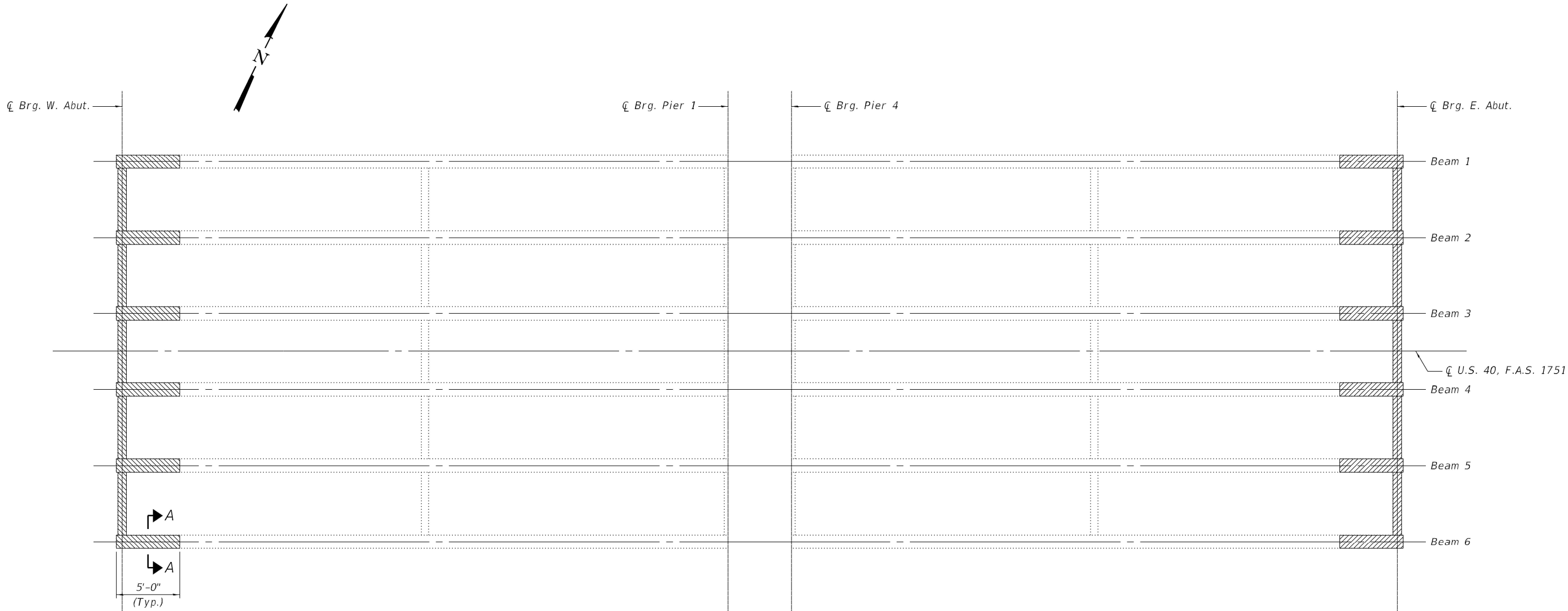
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT PLAN & ELEVATION
STRUCTURE NO. 003-0018

SHEET 13 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDP-1	BOND	113	92
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

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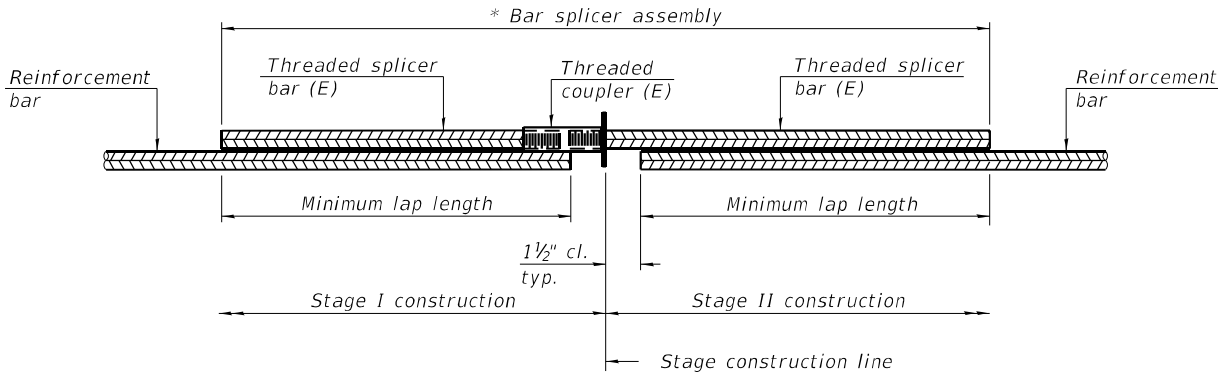


 Indicates limits of Cleaning and Painting Steel Bridge No. 1.

- Notes:
- See General Notes on Sheet 2 of 16 for additional painting requirements.
 - Cleaning and Painting Steel Bridge No. 1 shall include the beam ends and end diaphragms.
 - The area of steel to be painted is approximately 800 square feet.
 - Existing plan of structural steel is shown on Sheet 16 of 16.

USER NAME =	DESIGNED - MMC	REVISED -
	CHECKED - JW	REVISED -
PLOT SCALE =	DRAWN - MMC	REVISED -
PLOT DATE =	CHECKED - JW	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	93
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

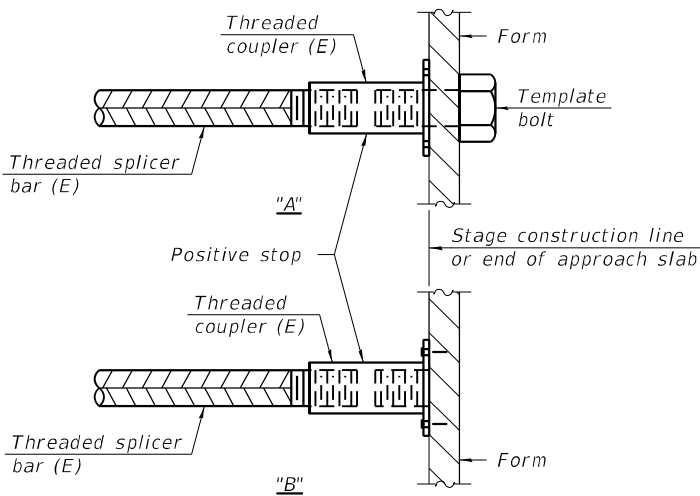


STANDARD BAR SPLICER ASSEMBLY PLAN
(All components shall be provided from one supplier)

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
West Abutment	#5	4	3'-6"
East Abutment	#5	4	3'-6"
Deck	#5	28	3'-6"

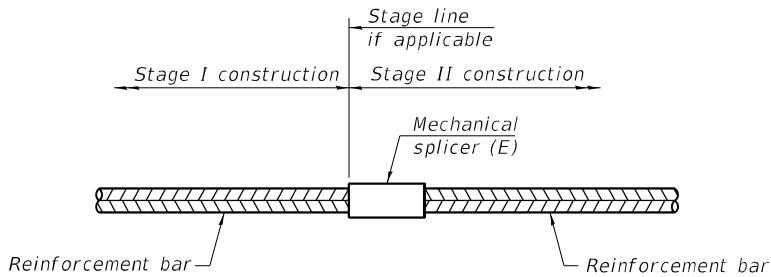


INSTALLATION AND SETTING METHODS

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

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

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

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

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

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

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

BSD-1

1-1-2020

MODEL: Default
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Professional Engineering Service

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www.kaskaskiaeng.com

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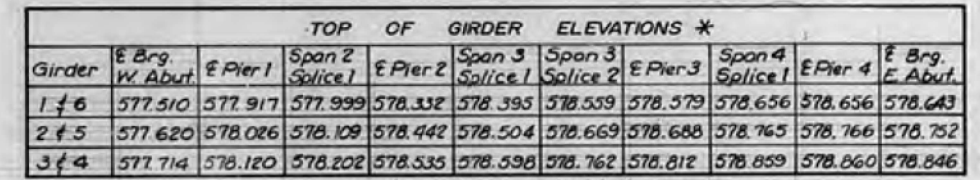
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

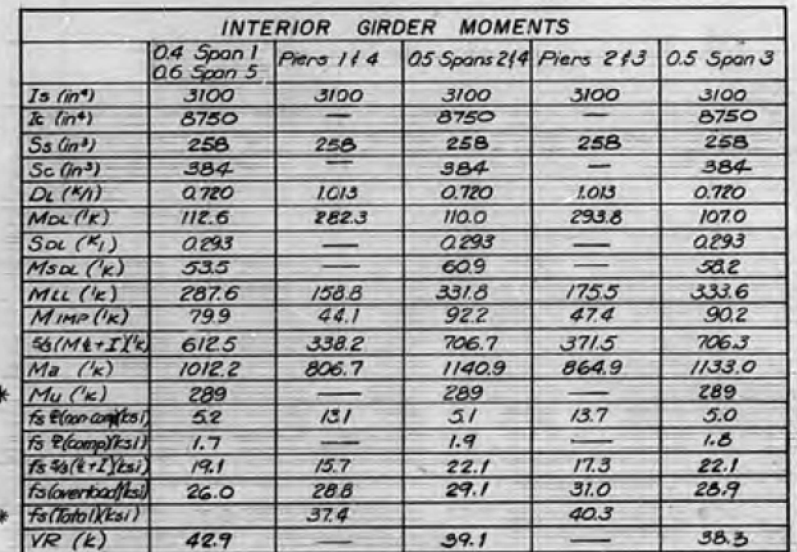
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 003-0018

SHEET 15 OF 16 SHEETS

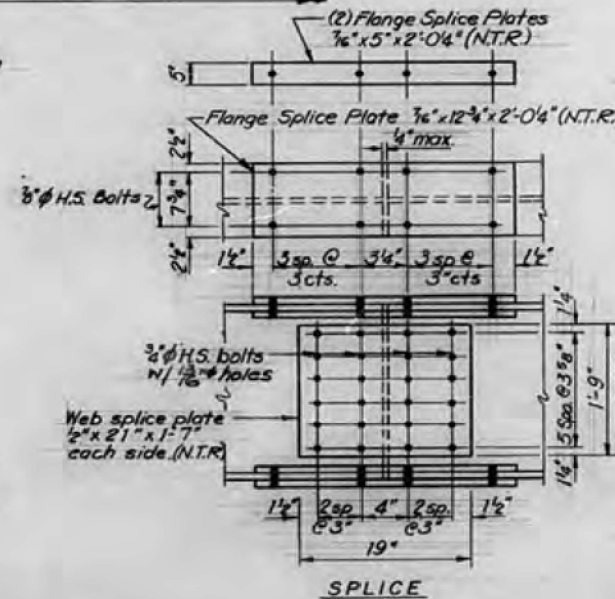
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	94
CONTRACT NO. 76K46				
		ILLINOIS	FED. AID PROJECT	



stresses due to $1.5(M_{DL} + M_{SL} + \frac{5}{8}(M_{LL} + I))$.



STRUCTURAL STEEL LAYOUT
FAS Rte. 1748 (U.S. Rte. 40)
over BURLINGTON NORTHERN R.R.
SECTION Q-1 VBR
BOND COUNTY
STA. E+39.39
STRUCTURE NO. 003-0018



INTERIOR GIRDER REACTIONS			
	Abutments	Pier 114	Pier 213
$R_{ax}(k)$	18.5	60.7	61.4
$R_{Lx}(k)$	30.5	42.2	42.4
$R_{ax}(k)$	3.9	12.1	12.1
$R_{Lx}(k)$	57.9	115.0	115.9

DESIGNED CLM.W.
CHECKED RAB.
DRAWN K.B.F.
CHECKED

Bench Mark: National Geodetic Survey P-113: Monument on concrete base $\pm 66'$ southeast of intersection of CSX and BNSF tracks. Elev. 553.194 (NGVD 29), 552.78 (NAVD 88). Elevations on plans are in NGVD 29.

Existing Structure: SN 003-0019 was originally constructed in 1942 as a 3 span continuous concrete girder bridge, 155.375' back-to-back of abutment, concrete deck width 35.5' out-to-out. The superstructure was removed and reconstructed in 1988 with continuous steel beams and a concrete deck, 35'-2" out-to-out. The bridge is supported by stub abutments on piles and concrete wall piers on spread footings.

Salvage: None.

DESIGN STRESSES

Existing Structure (1988 Construction)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M223 Grade 50)
 $f_y = 36,000$ psi (M-183)

New Construction

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

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications
for Highway Bridges

LOADING HS20-44

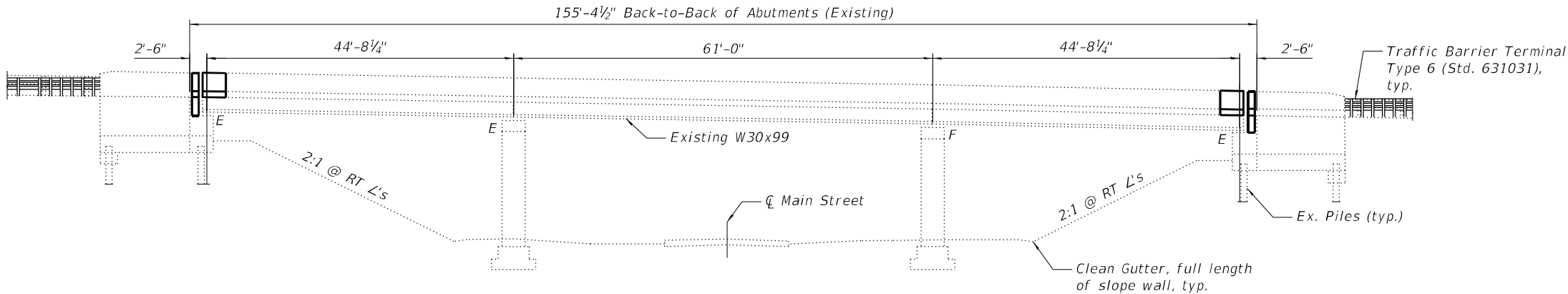
INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Temporary Concrete Barrier for Stage Construction
- 4 - Concrete Removal Details
- 5 - Superstructure
- 6 - Superstructure Details
- 7 - Superstructure Typical Section
- 8 - Preformed Joint Strip Seal
- 9 - East Approach Drain Repairs
- 10 - West Abutment Concrete Removal
- 11 - West Abutment Plan & Elevation
- 12 - East Abutment Concrete Removal
- 13 - East Abutment Plan & Elevation
- 14 - Existing Steel Cleaning and Painting Details
- 15 - Bar Splicer Assembly and Mechanical Splicer Details
- 16 - Existing Plans

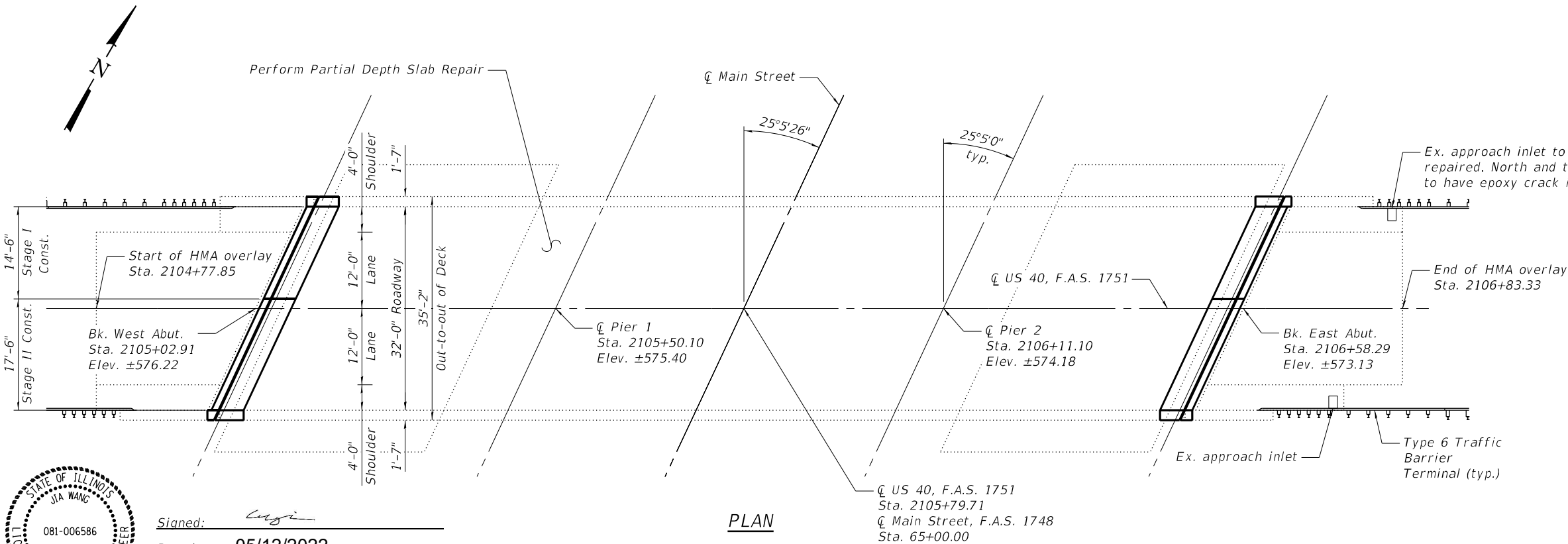
SCOPE OF WORK

To be completed under stage construction.

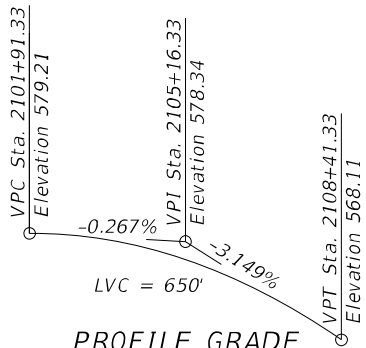
1. Repair bridge deck.
2. Seal joint between approach parapets and approach shoulders.
3. Repair abutment backwalls.
4. Reconstruct deck joints at each abutment with preformed joint strip seal.
5. Install new waterproofing and HMA overlay.
6. Clean and paint structural steel at designated locations.
7. Clean gutters at base of slope walls.
8. Upgrade & reconnect guardrail transitions (See Roadway Plans).
9. Re-establish aggregate shoulders at approach ends at all four (4) quadrants (See Roadway Plans).
10. Repair east abutment approach drain on north side.



ELEVATION



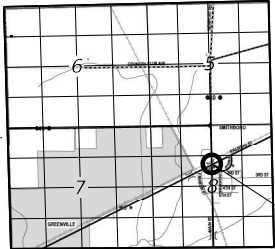
PLAN



PROFILE GRADE

(Along $\perp$ US 40 F.A.S. 1751)

Range 2W, 4th P.M.



LOCATION SKETCH

GENERAL PLAN & ELEVATION

US 40 OVER MAIN STREET

F.A.U. 9832 / FAS 1751

SEC. (Q-1, X-1, F-1)RS-2, Q-1VBDR-1

BOND COUNTY

STATION 2105+79.71

STRUCTURE NO. 003-0019



Signed: *Jia Wang*

Dated: 05/12/2022

Expires: November 30, 2022



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419.233.2877 (fax)
www.kaskaskiaeng.com

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081-006586
20-088050

USER NAME =

PLOT SCALE =

PLOT DATE =

DESIGNED - MLC

CHECKED - JW

DRAWN - MLC

CHECKED - JW

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 003-0019

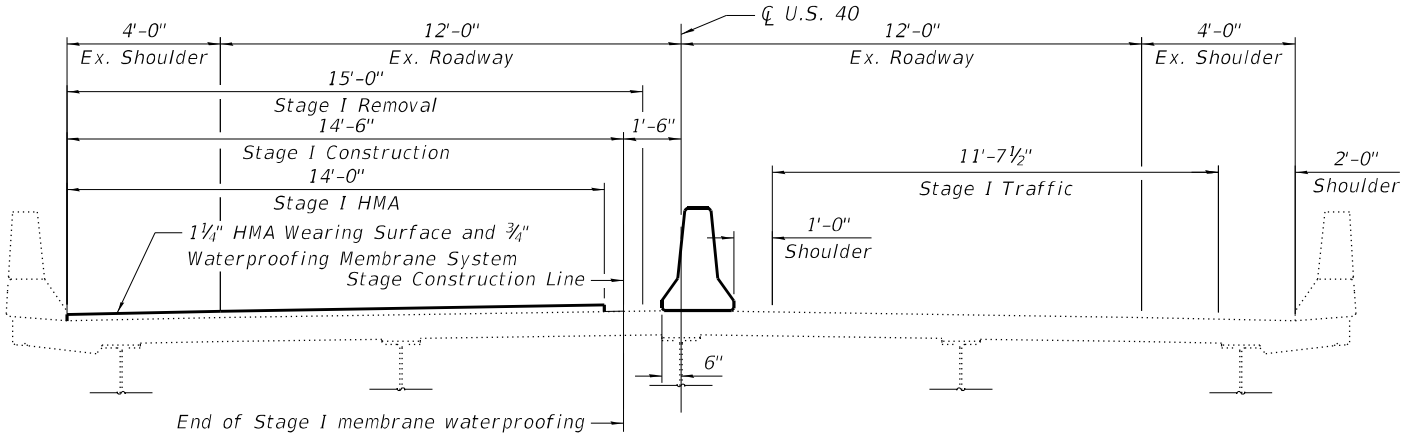
SHEET 1 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

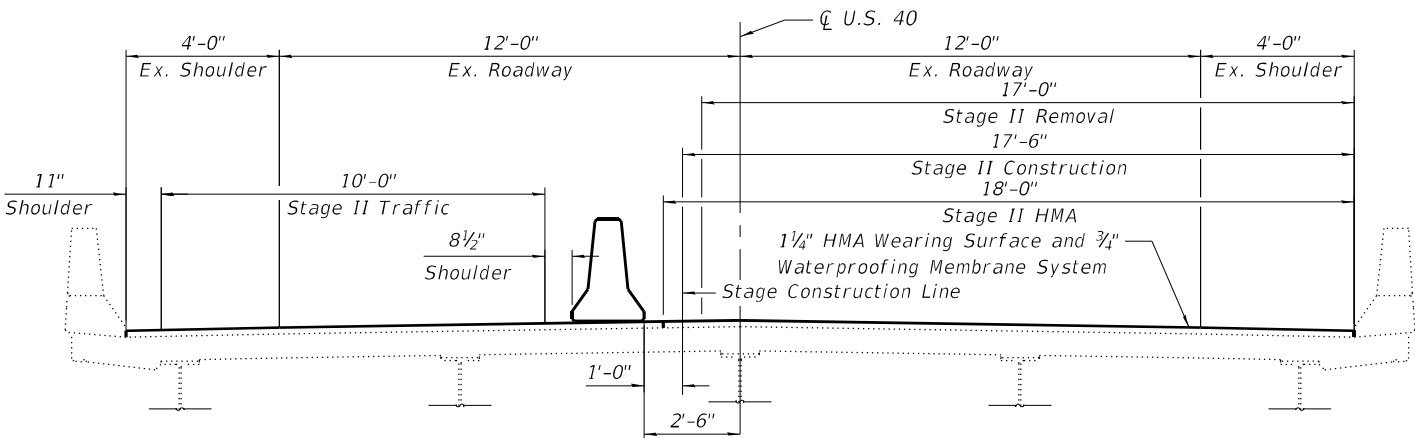
TOTAL BILL OF MATERIAL

2. All heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
3. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
4. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications at ambient temperature other than 50°F.
5. Cleaning and painting of the existing structure steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within 5 ft. (measured along the beam), unless noted otherwise, of either side of the deck joints shall be cleaned per Near White Blast Cleaning - SSPC-SP-10.
6. The designated areas cleaned per Near White Blast Cleaning - SSPC-SP-10 shall be painted according to the requirements of Paint System 1 - OZ/E/U.
7. The color of the final finish coat for all steel surfaces shall be Blue, Munsell N0. 10B 3/6.
8. Containment and disposal of non-lead paint cleaning residues shall be as specified in special provisions for "Containment and Disposal of Non-Lead Paint Cleaning Residues".
9. The painting Contractor shall be SSPC-QP1 certified for this project and shall maintain certification throughout the duration of the project.
10. Quantity of Deck Slab Repair (Partial) shown on the plans is an estimate based on existing conditions at the time of the estimate. Final quantities shall be determined by the Engineer in the field.
11. All exposed concrete edges shall have a standard 3/4" chamfer unless noted otherwise.

ITEM	UNIT	SUPER	SUB	TOTAL
Hot-Mix Asphalt Surface Course, IL-9.5FG, Mix "D", N70	Ton	39		39
Concrete Removal	Cu. Yd.	7.7	5.4	13.1
Concrete Structures	Cu. Yd.		5.4	5.4
Concrete Superstructure	Cu. Yd.	7.7		7.7
Reinforcement Bars, Epoxy Coated	Pound	1,560	440	2,000
Bar Splicers	Each	28	8	36
Preformed Joint Strip Seal	Foot	75		75
Gutters to be Cleaned	Foot		100	100
Epoxy Crack Injection	Foot	5		5
Replace Joint Filler	Foot	55		55
Containment and Disposal of non-lead Paint Cleaning Residues No. 2	L. Sum	1		1
Cleaning and Painting Steel Bridge No. 2	L. Sum	1		1
Deck Slab Repair (Partial)	Sq. Yd.	10		10
Cleaning Existing Inlets	Each	1		1
Waterproofing Membrane System	Sq. Yd.	517		517

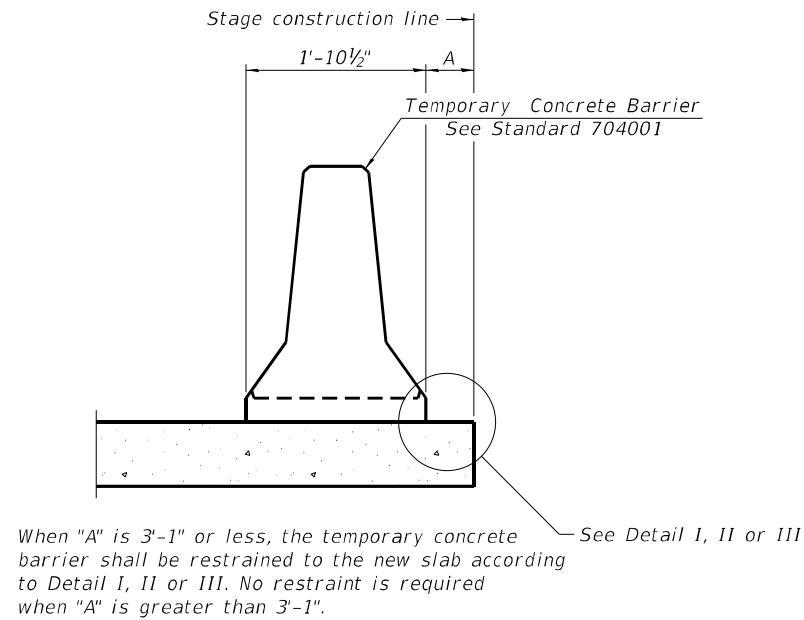


STAGE 1 - TYPICAL SECTION
(Looking Upstation)

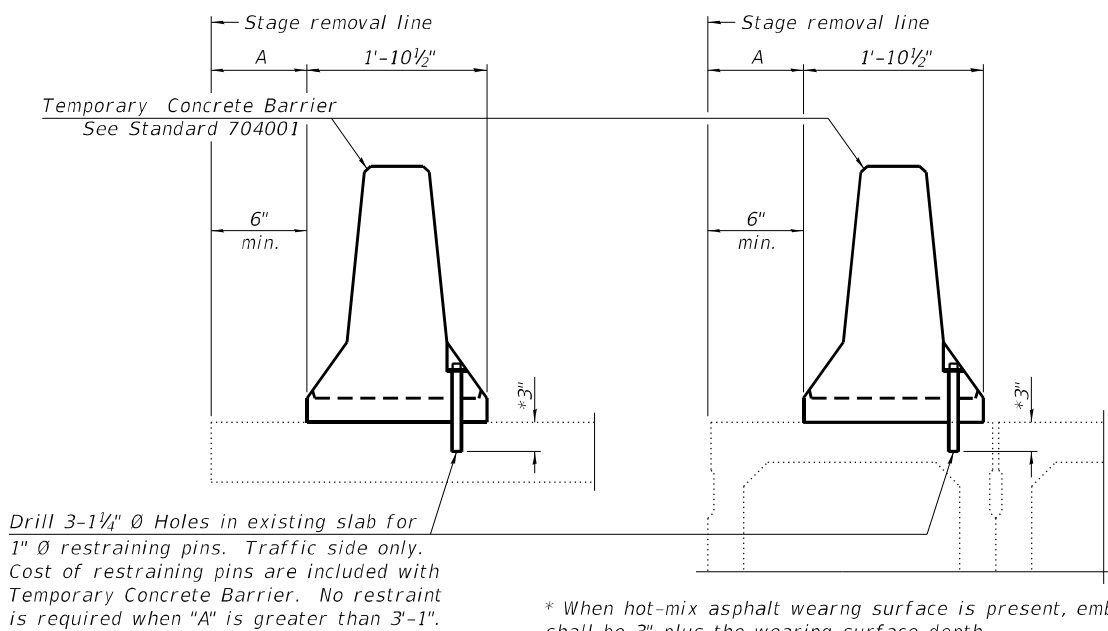


STAGE 2 - TYPICAL SECTION
(Looking Upstation)

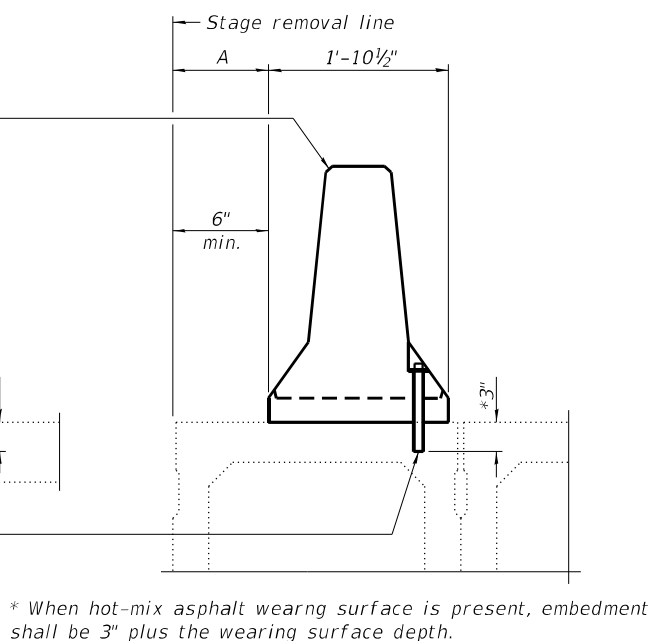
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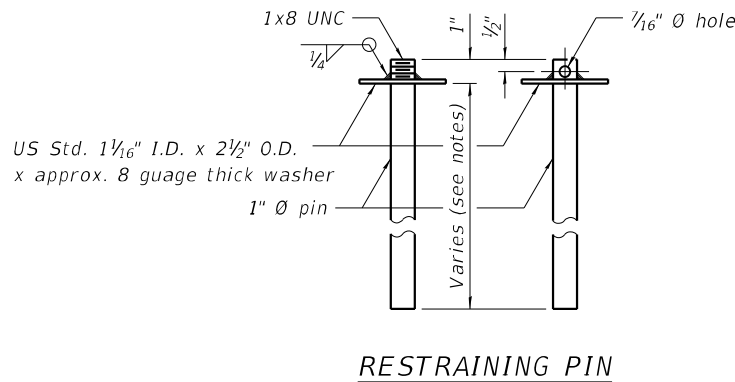
NEW SLAB OR NEW DECK BEAM



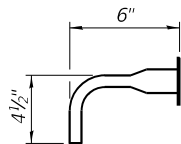
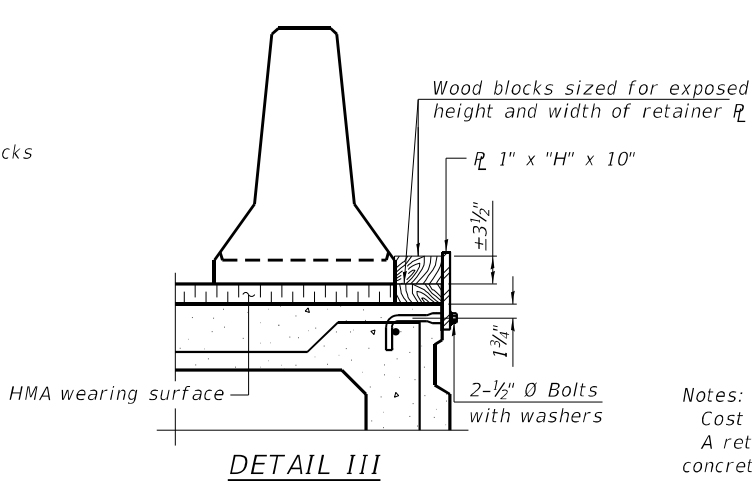
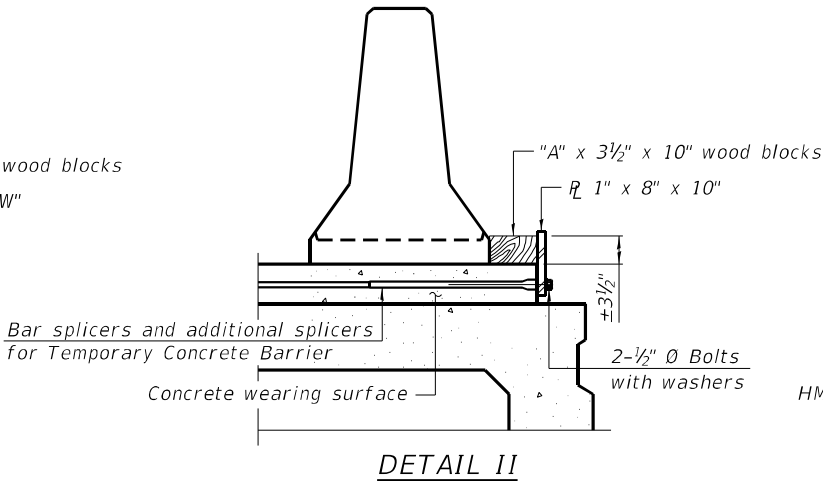
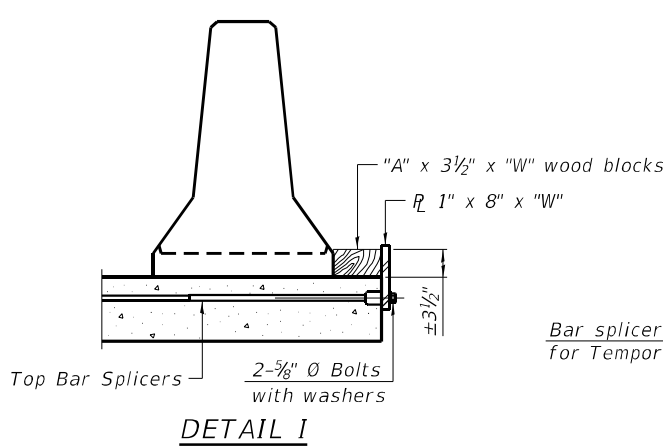
EXISTING SLAB



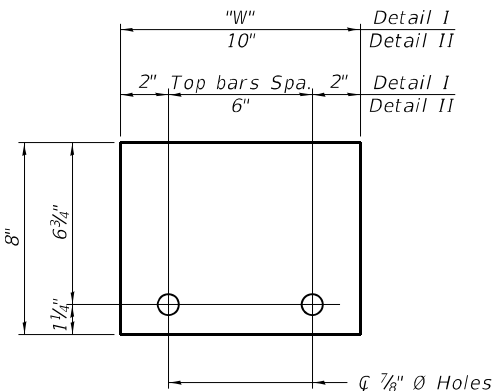
EXISTING DECK BEAM



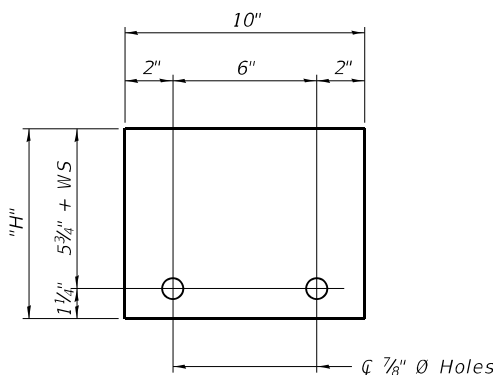
SECTIONS THRU SLAB OR DECK BEAM



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate $\bar{C}$ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

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

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

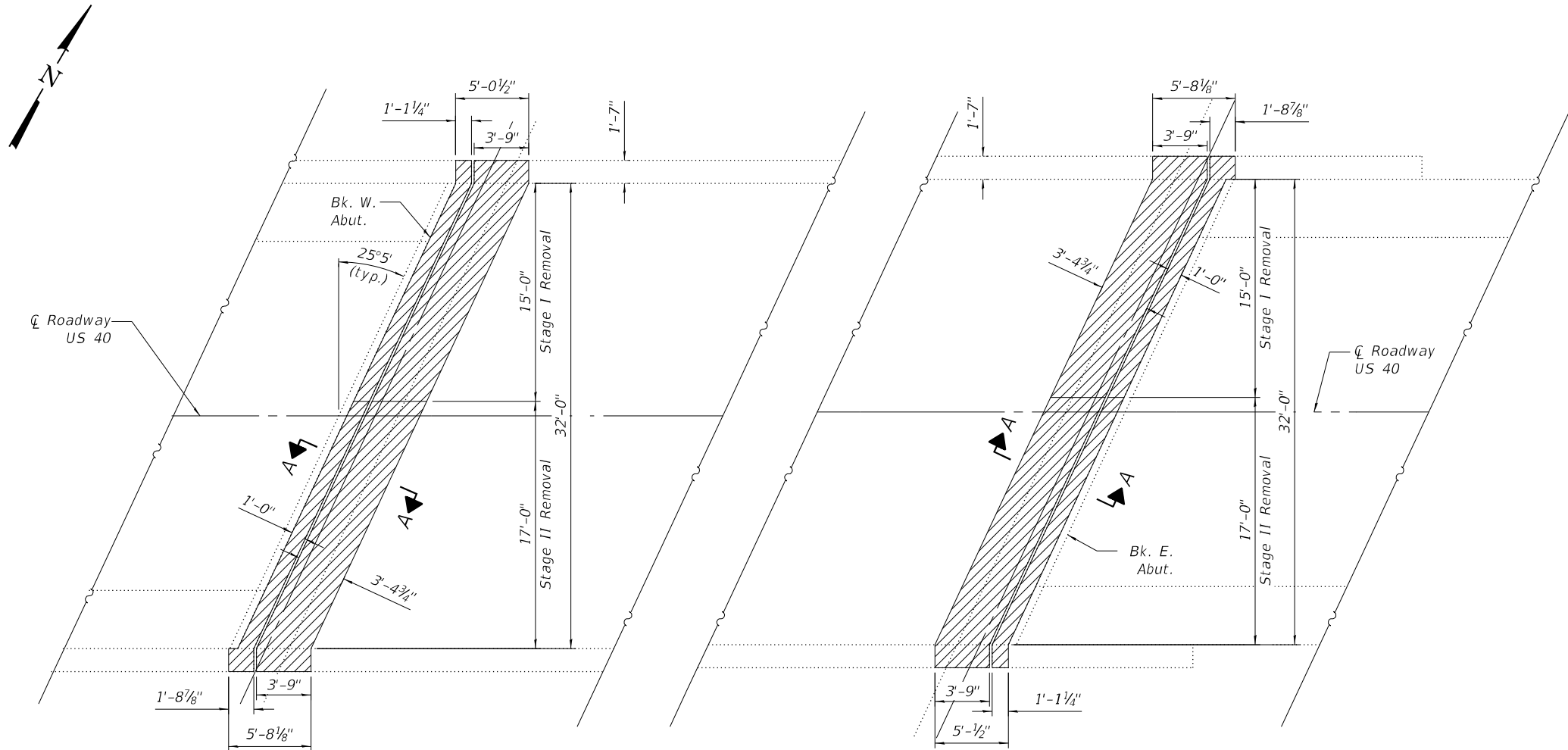
Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate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

R-27

8-11-2017

 Kaskaskia Engineering Group, LLC PROFESSIONAL ENGINEERING FIRM 1827 N. Main St., Suite 100 Bloomington, Illinois 61702 618.233.2877 Phone 618.233.2877 Fax www.kaskaskiaeng.com LICENSE NO. 001-0000000 Illinois Professional Engineer Firm Professional Engineering Group	USER NAME =	DESIGNED - MLC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 003-0019	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - JW	CHECKED - JW	REVISED -			1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	98
	PLOT SCALE =	DRAWN - MLC	REVISED -			CONTRACT NO. 76K46				
	PLOT DATE =	CHECKED - JW	REVISED -			ILLINOIS FED. AID PROJECT				
	SHEET 3 OF 16 SHEETS									

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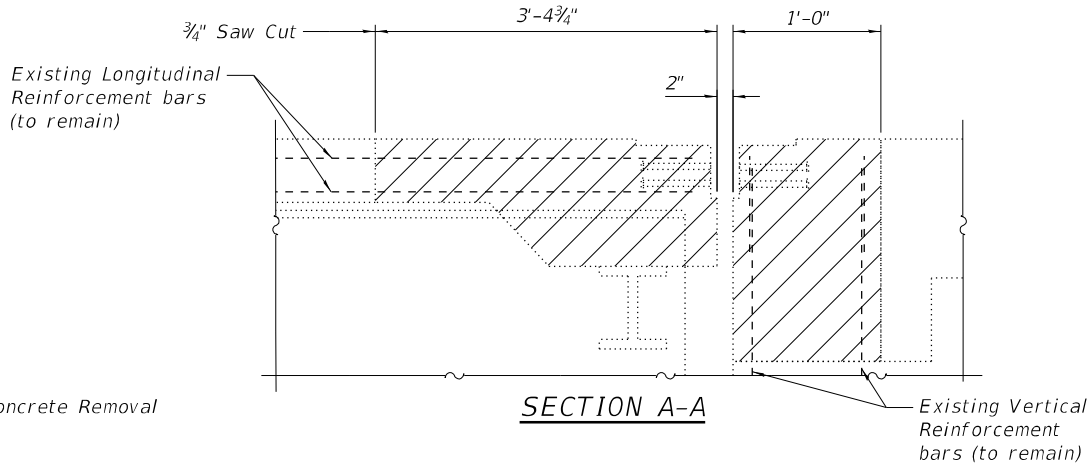
PLAN
(West Abutment - Showing Concrete Removal)

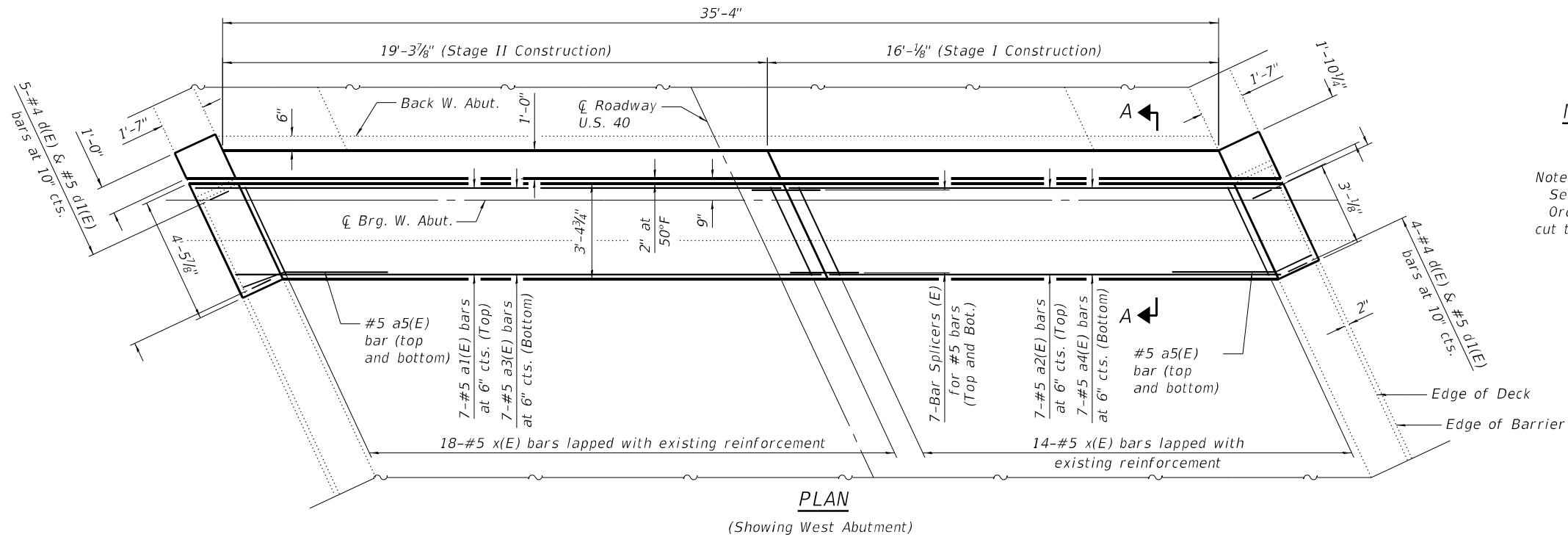
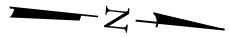
PLAN
(East Abutment - Showing Concrete Removal)

BILL OF MATERIAL		
Item	Unit	Total
Concrete Removal	Cu. Yd.	7.7

Notes:
The Contractor shall use extreme care during concrete removal so as not to damage the existing steel beams. Any steel damaged during concrete removal operations shall be repaired at the Contractor's expense.
Removal of existing expansion joint and associated material shall not be paid for separately, but shall be included in the cost of Concrete Removal.
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced at the Contractor's expense.
Stud shear connectors damaged during concrete removal operations shall be removed and replaced per Section 505 of the Standard Specifications at the Contractor's expense.

 Indicates Concrete Removal

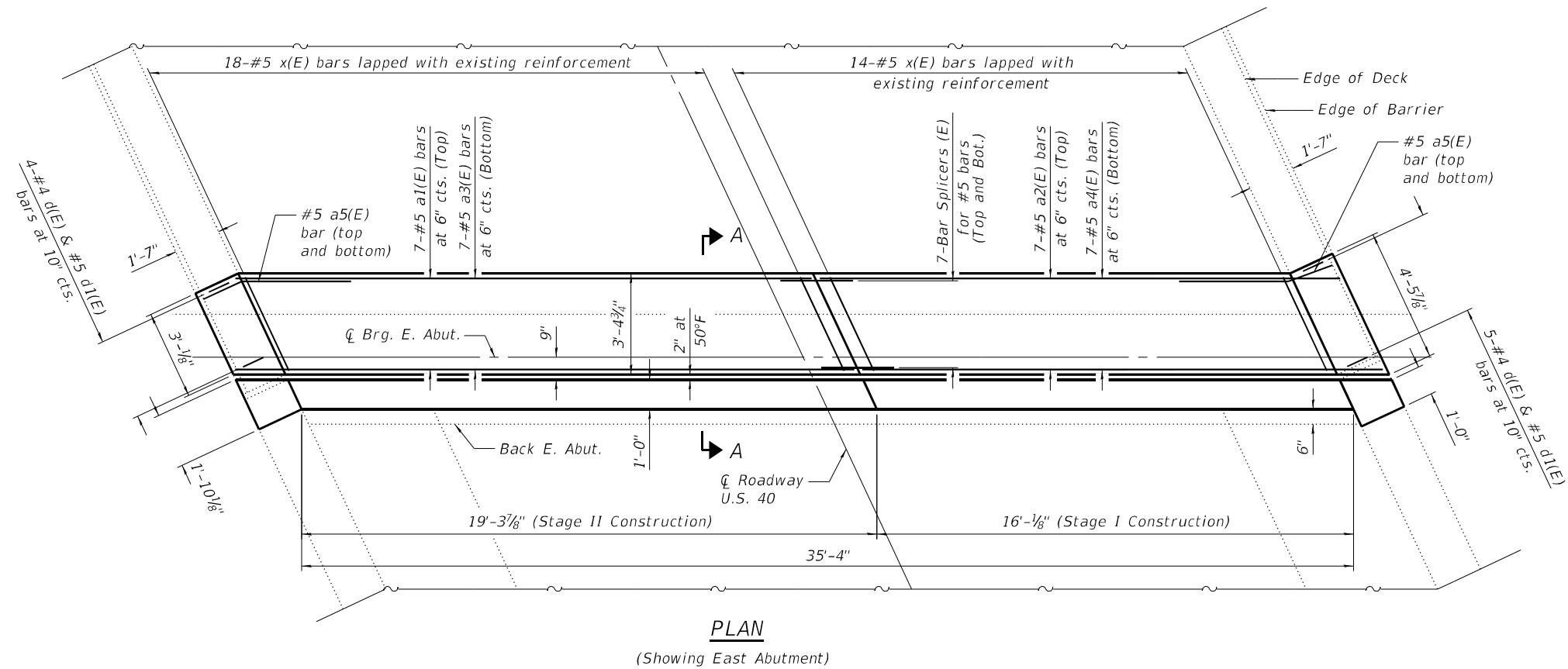




MINIMUM BAR LAP

#5 bar = 3'-6"

Notes:
See Sheet 6 of 16 for Section A-A.
Order a1(E) and a2(E) bars full-length and cut to fit in the field.



MODEL: Default
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SUPERSTRUCTURE
STRUCTURE NO. 003-0019

SHEET 5 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	100
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

3'-0 1/8" (N. side of W. Abut, S. side of E. Abut.)

4'-5 7/8" (S. side of W. Abut, N. side of E. Abut.)

N. side of W. Abut, S. side of E. Abut.

S. side of W. Abut, N. side of E. Abut.

4-#4 d(E) & #5 d1(E) bars
at abt. 10" cts.

5-#4 d(E) & #5 d1(E) bars
at abt. 10" cts.

Existing reinforcement
to remain in place
(Both Faces)

Top of Slab

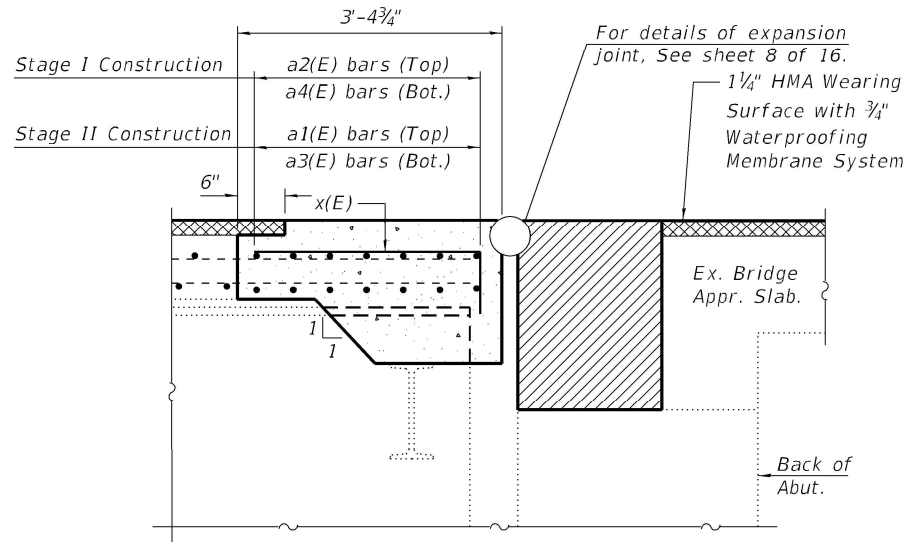
Bottom of Slab

Outside Elevation

(South Parapet - East Abutment shown, others similar)

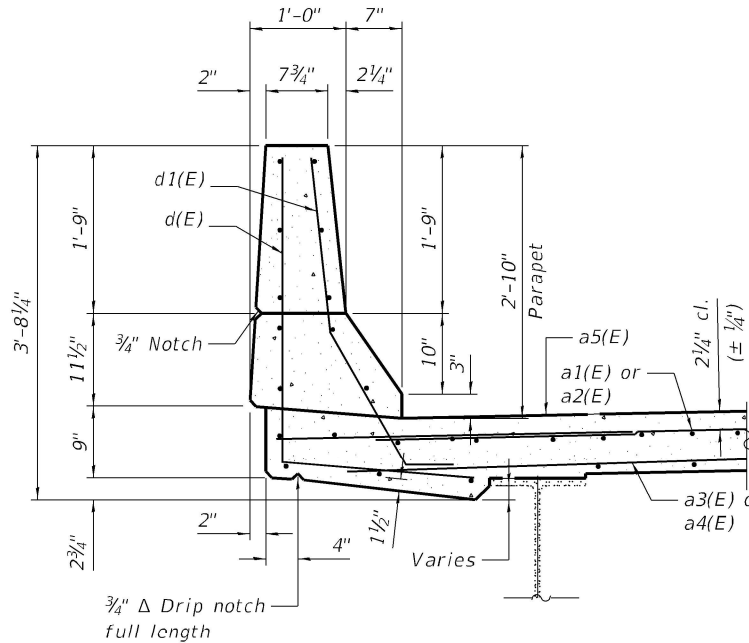
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	14	#5	20'-9"	—
a2(E)	14	#5	17'-5"	—
a3(E)	14	#5	20'-3"	—
a4(E)	14	#5	16'-11"	—
a5(E)	8	#5	5'-1"	┘
d(E)	18	#4	5'-2"	┘
d1(E)	18	#5	3'-11"	┘
x(E)	64	#5	4'-1"	┘
Concrete Superstructure			Cu. Yd.	7.7
Reinforcement Bars, Epoxy Coated			Pound	1,560
Hot-Mix Asphalt Surface Course, IL-9.5FG, Mix "D", N70			Ton	39

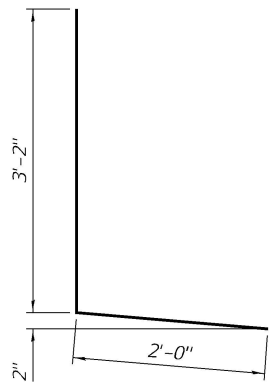


SECTION A-A

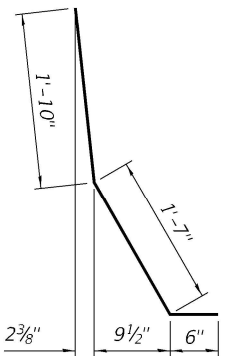
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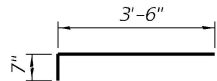
SECTION THRU PARAPET



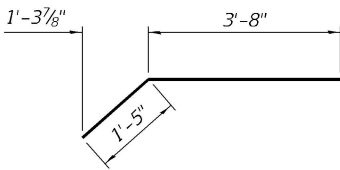
BAR d(E)



BAR d1(E)



BAR x(E)



BAR a5(E)

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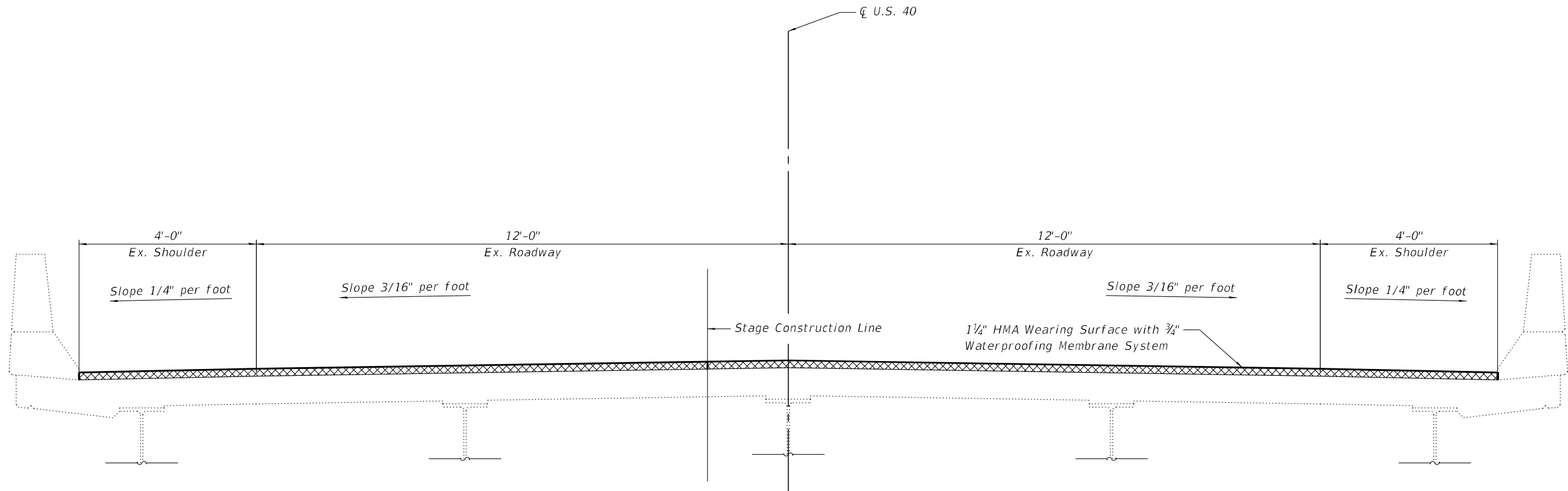
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 003-0019

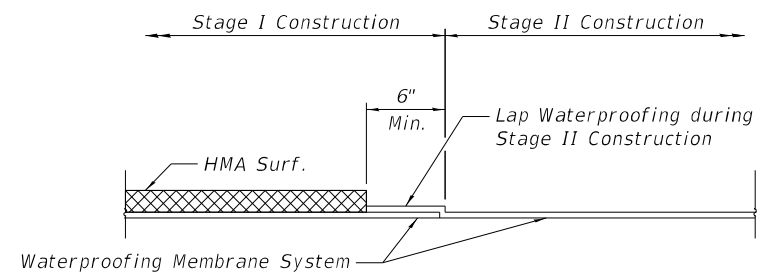
SHEET 6 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	101
CONTRACT NO. 76K46				
ILLINOIS		FED. AID PROJECT		



SUPERSTRUCTURE TYPICAL SECTION
(Looking Upstation)

Notes:
See Roadway Plans for additional wearing surface details.



WATERPROOFING TREATMENT
AT STAGE CONSTRUCTION

MODEL: Default
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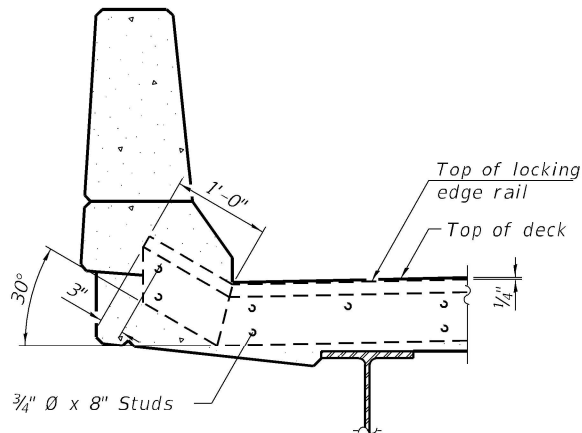
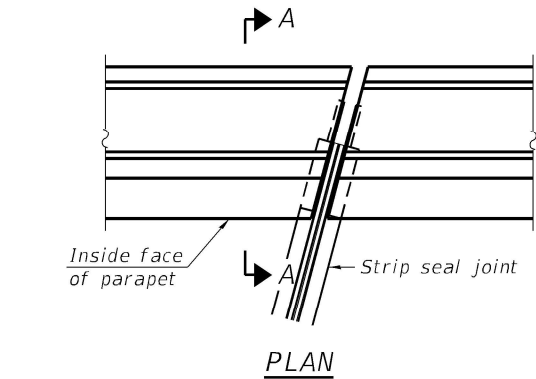
STATE OF ILLINOIS
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SUPERSTRUCTURE TYPICAL SECTION
STRUCTURE NO. 003-0019

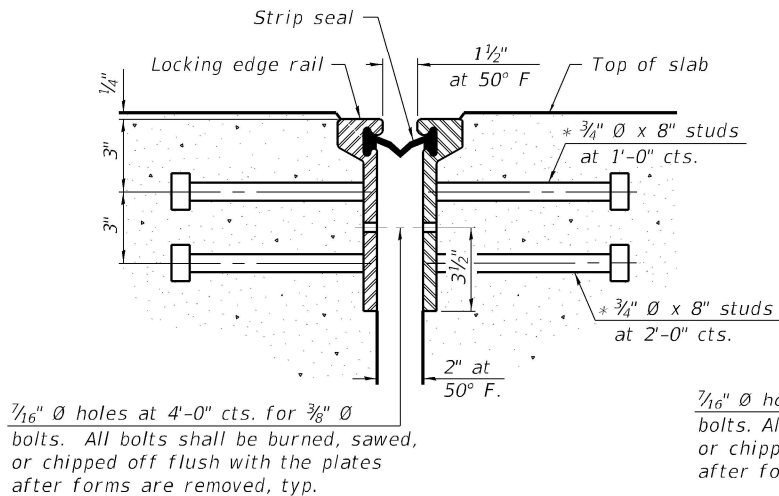
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

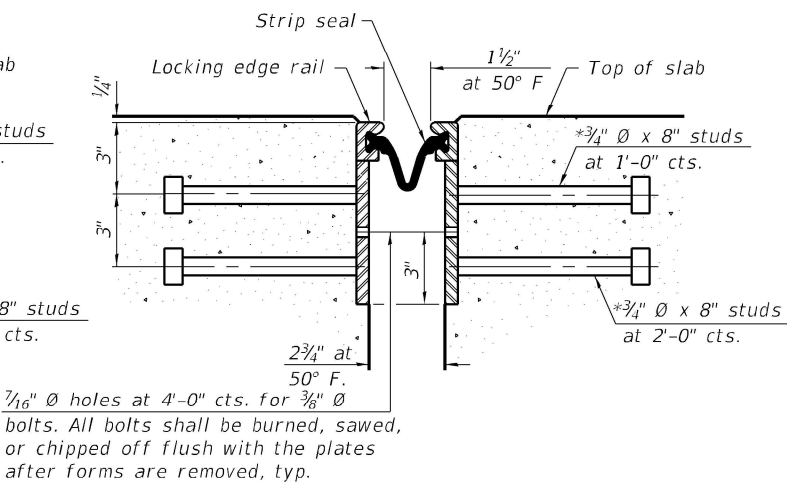
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SECTION A-A



SECTION THRU
ROLLED RAIL JOINT



SECTION THRU
WELDED RAIL JOINT

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

ROLLED
EXTRUDED RAIL

WELDED RAIL

LOCKING EDGE
RAIL SPLICE

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

LOCKING EDGE RAILS

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	75



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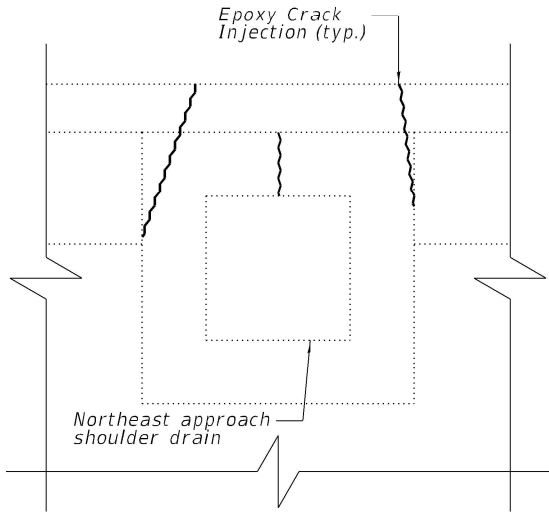
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DEPARTMENT OF TRANSPORTATION

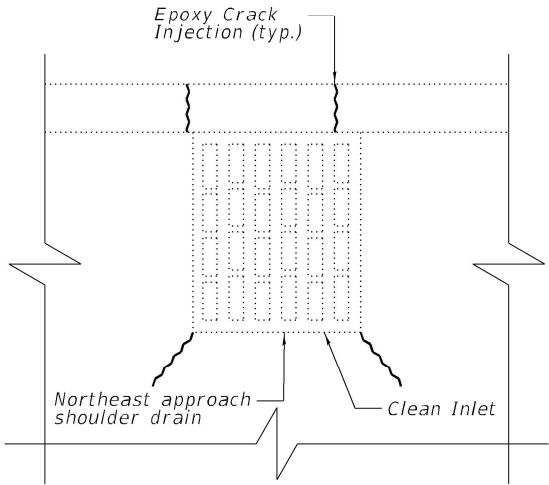
PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 003-0019

SHEET 8 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	103
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Epoxy Crack Injection	FOOT	5
Cleaning Existing Inlets	EACH	1

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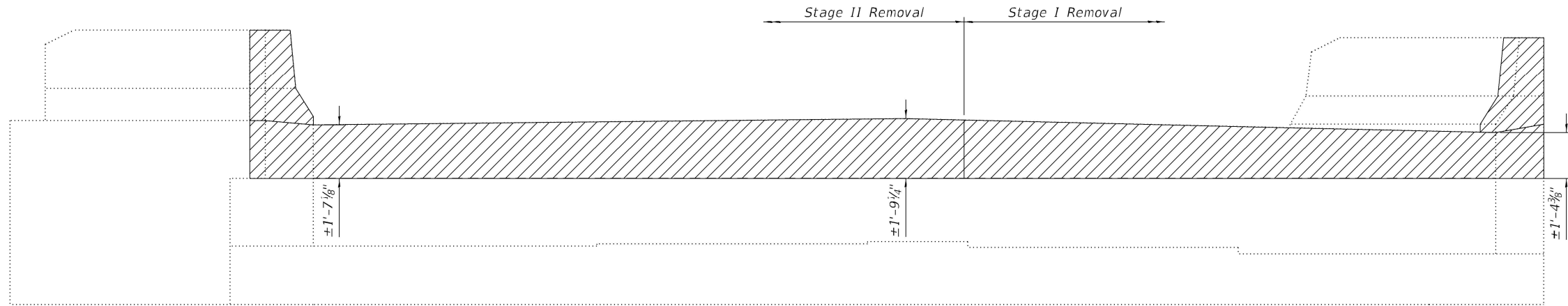
STATE OF ILLINOIS
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EAST APPROACH DRAIN REPAIRS
STRUCTURE NO. 003-0019

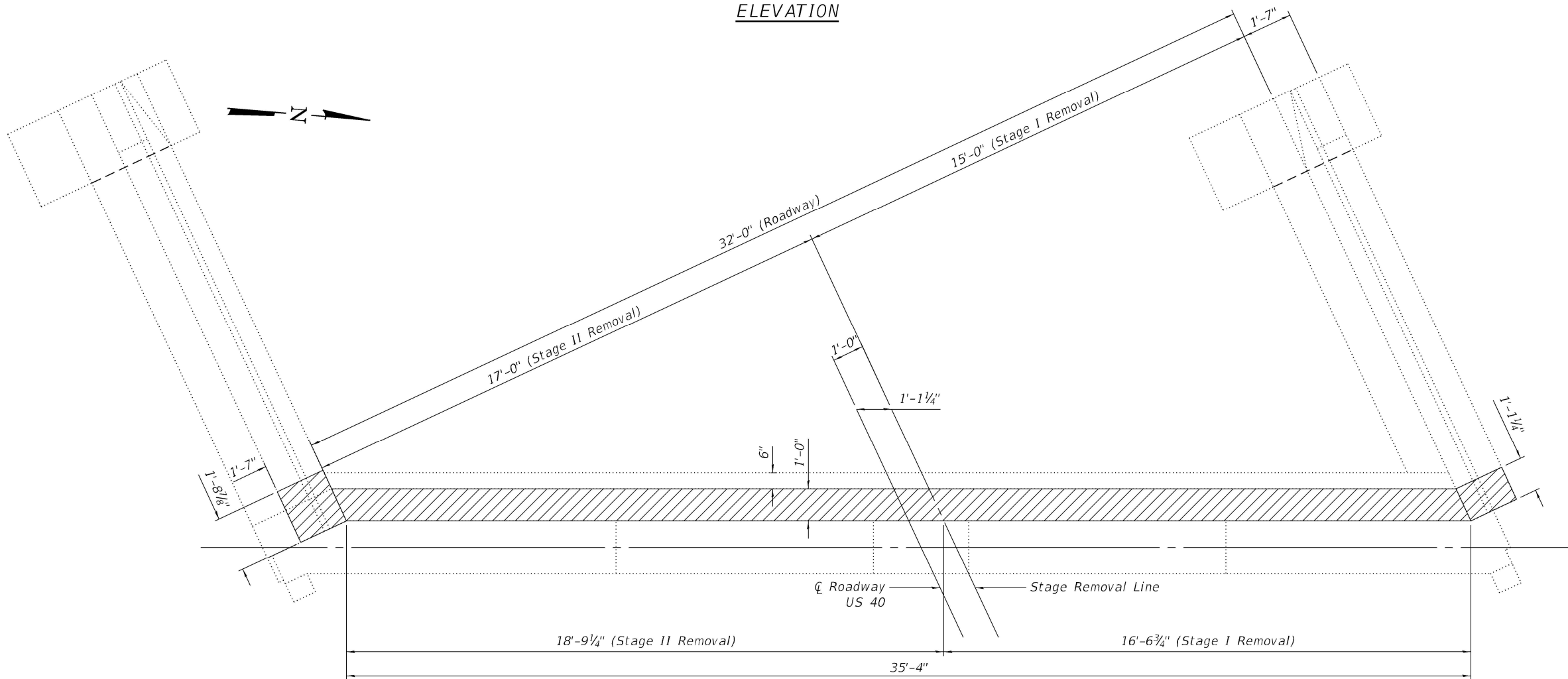
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CONTRACT NO. 76K46				
		ILLINOIS	FED. AID PROJECT	

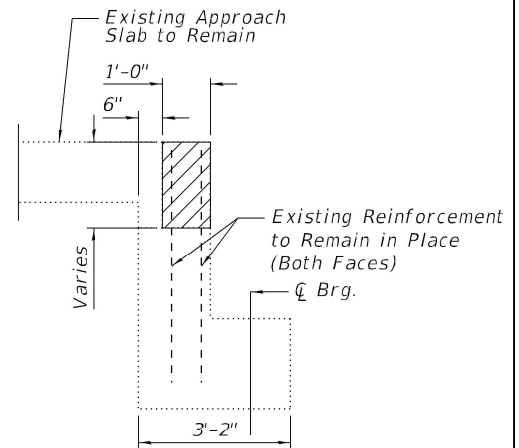
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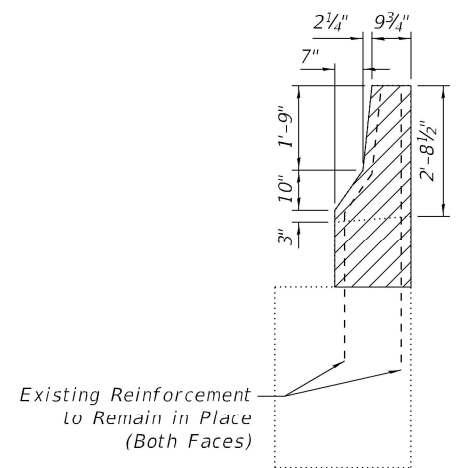
ELEVATION



PLAN



SECTION THRU ABUTMENT



SECTIONS THRU WING WALL
(North Wing Wall Shown, South Similar)

 - Indicates Limits of Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	2.7



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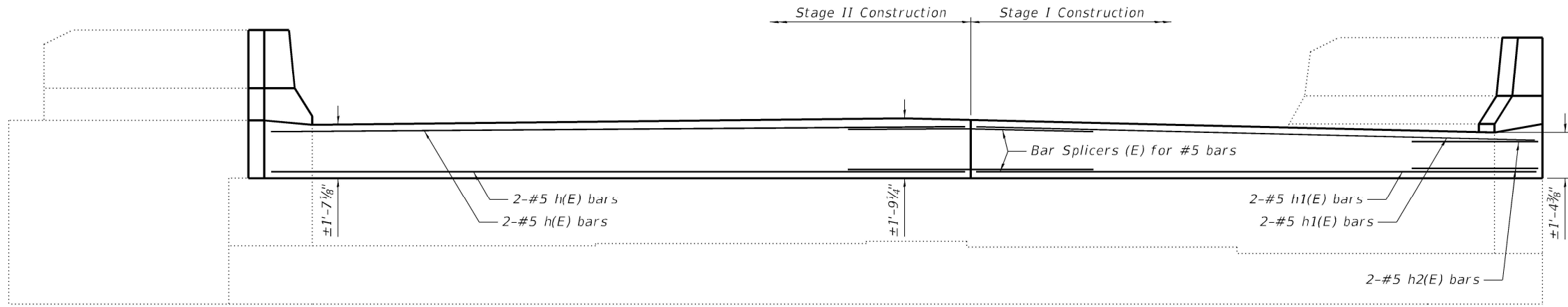
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT CONCRETE REMOVAL
STRUCTURE NO. 003-0019

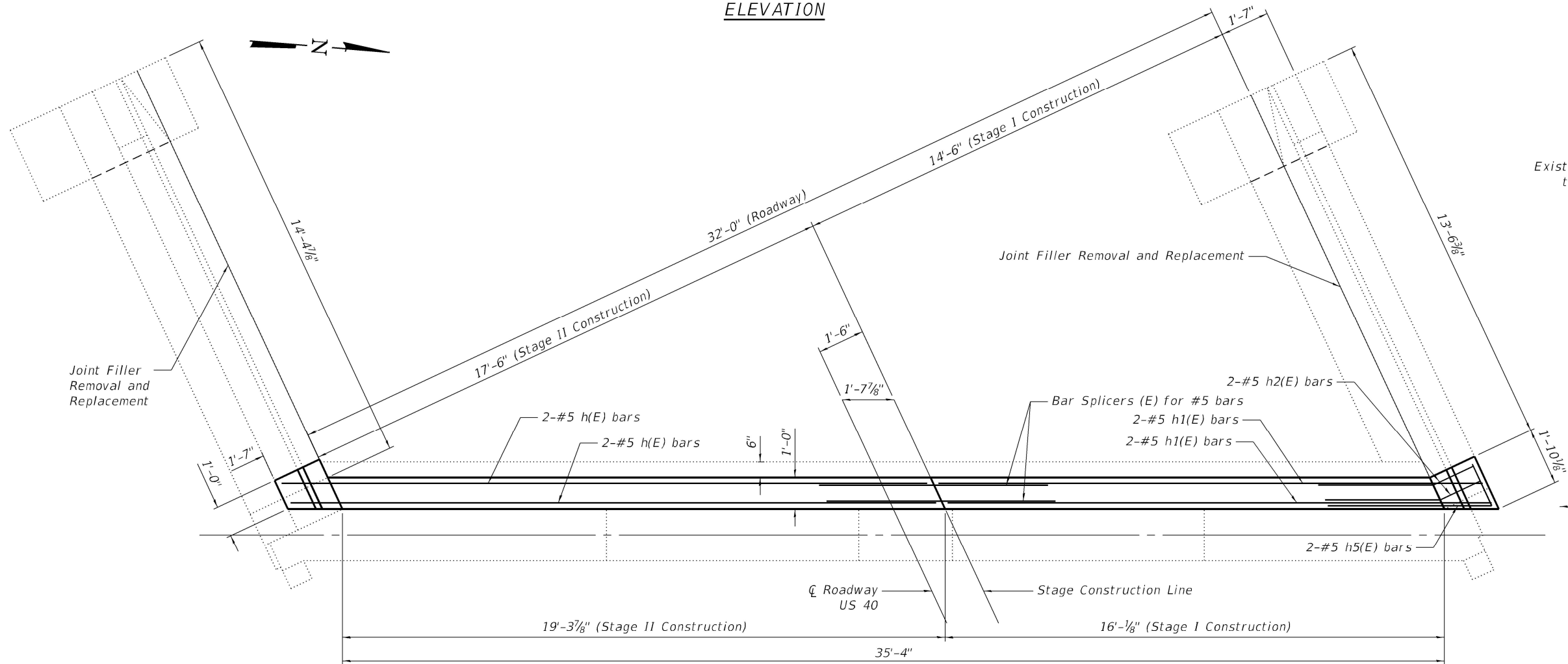
SHEET 10 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

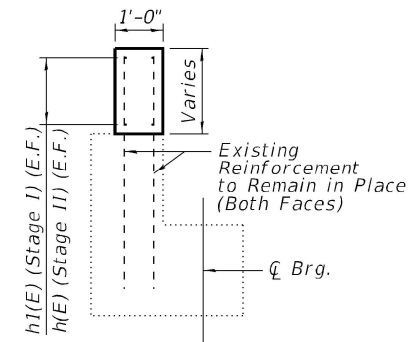
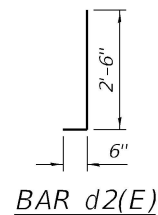
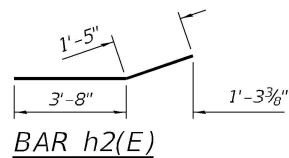
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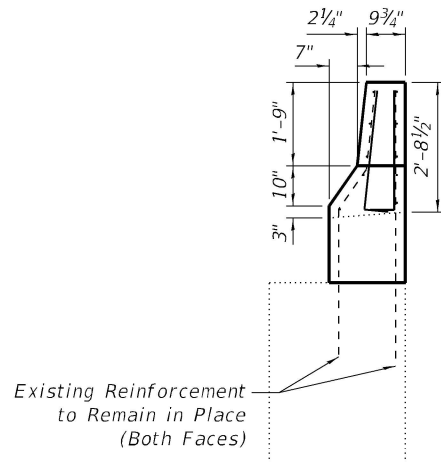
ELEVATION



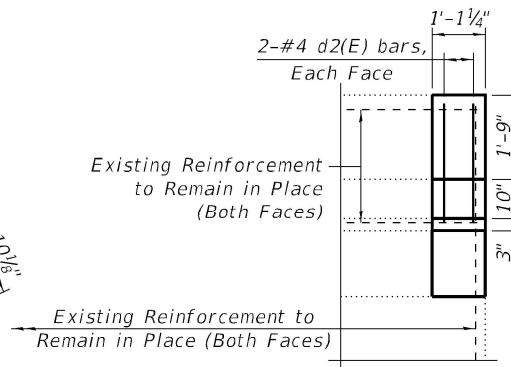
PLAN



SECTION THRU ABUTMENT



SECTIONS THRU WING WALL
(North Wing Wall Shown, South Similar)



WING WALL ELEVATION
(North Wing Wall Shown, South Similar)

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	8	#4	3'-0"	
h(E)	4	#5	20'-8"	
h1(E)	4	#5	17'-5"	
h2(E)	4	#5	5'-1"	
h5(E)	2	#5	6'-8"	
Concrete Structures			Cu. Yd.	2.7
Reinforcement Bars, Epoxy Coated			Pound	220
Replace Joint Filler			Foot	28

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DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT PLAN & ELEVATION
STRUCTURE NO. 003-0019

SHEET 11 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	106
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

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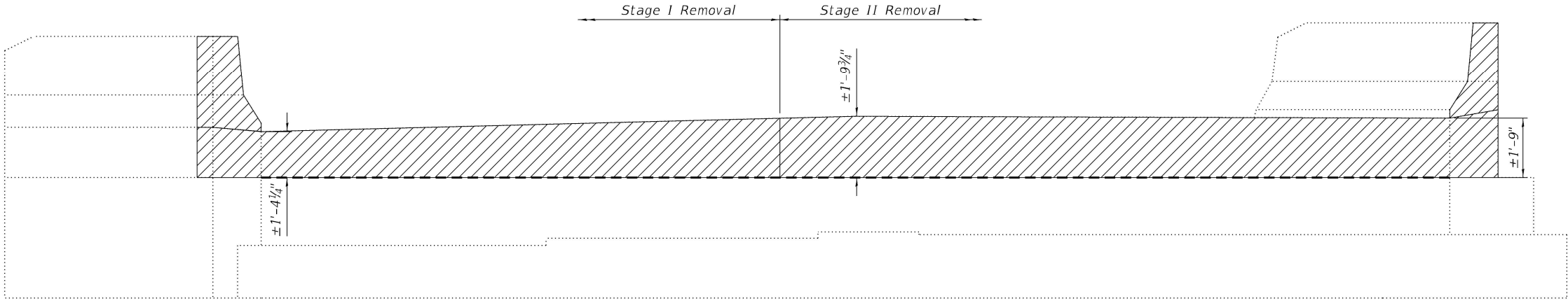
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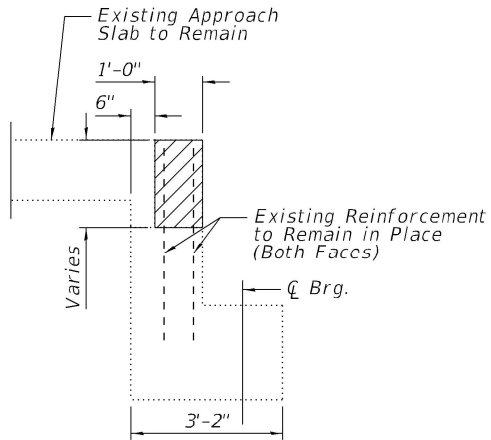
EAST ABUTMENT CONCRETE REMOVAL
STRUCTURE NO. 003-0019

SHEET 12 OF 16 SHEETS

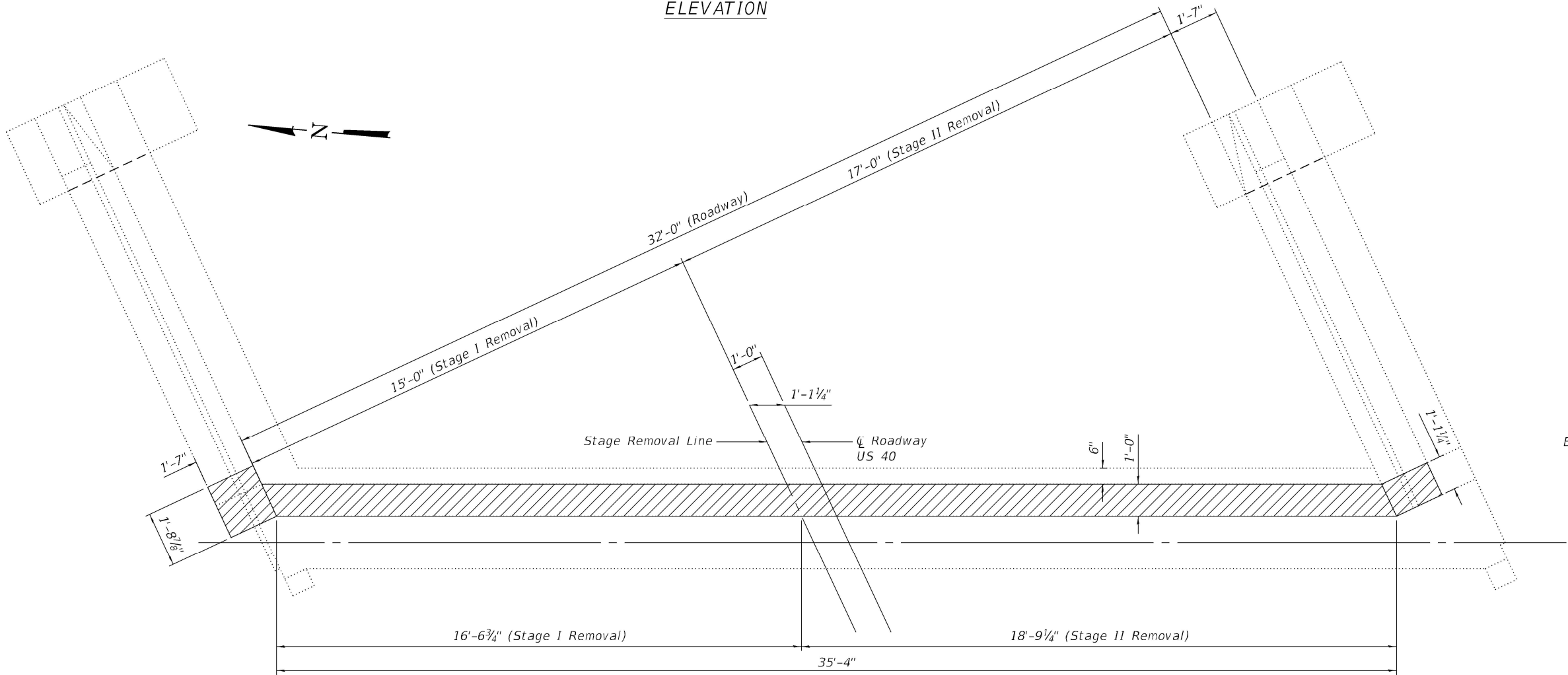
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CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				



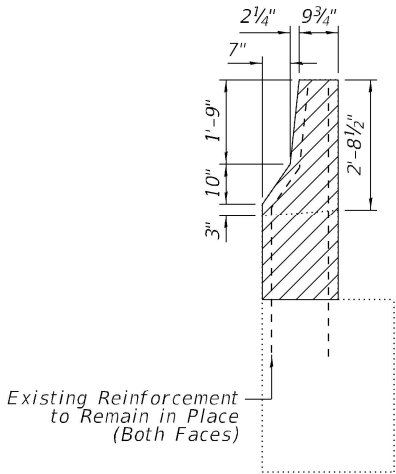
ELEVATION



SECTION THRU ABUTMENT



PLAN



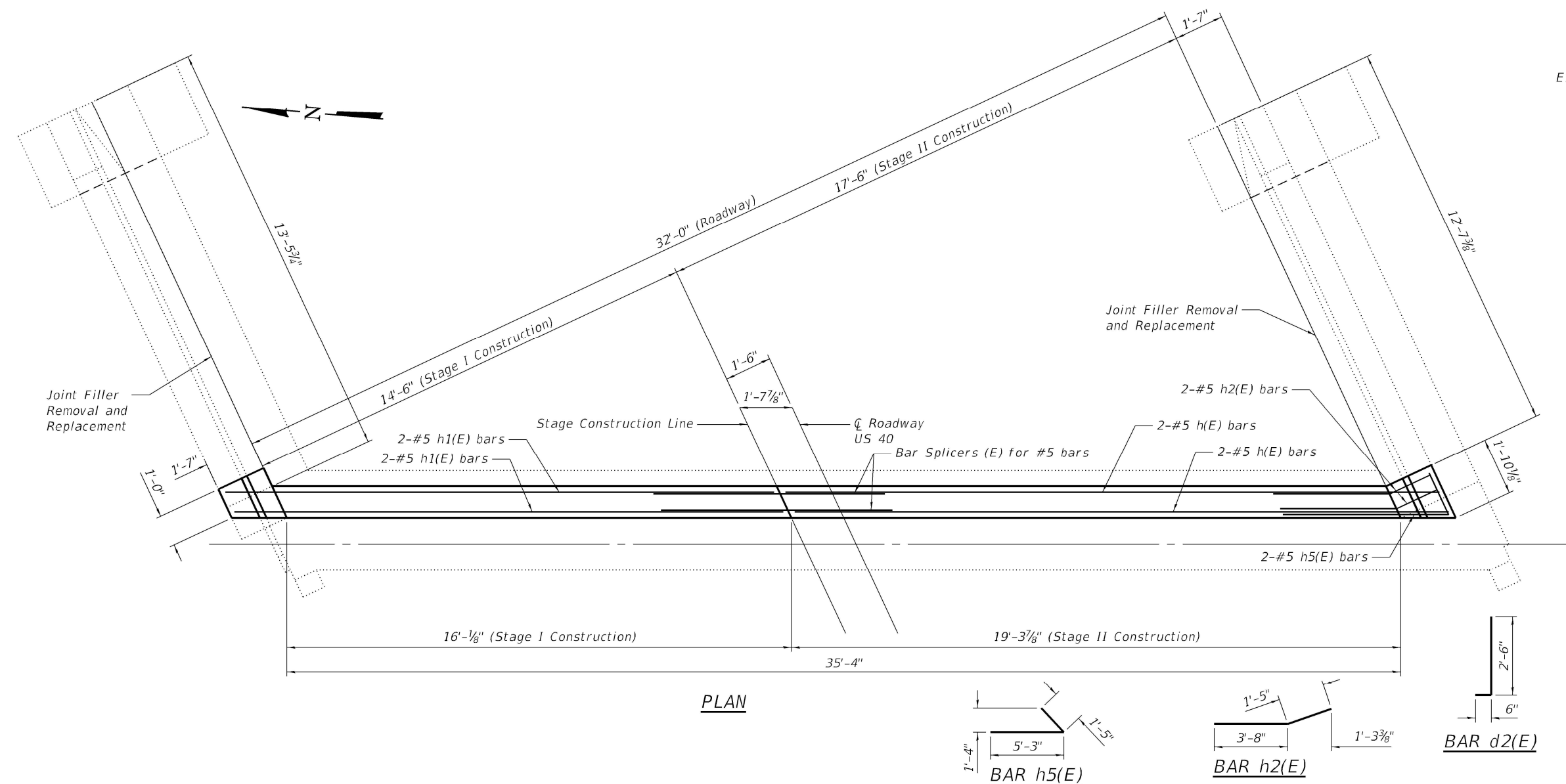
SECTIONS THRU WING WALL
(South Wing Wall Shown, North Similar)

Indicates Limits of Concrete Removal

BILL OF MATERIAL

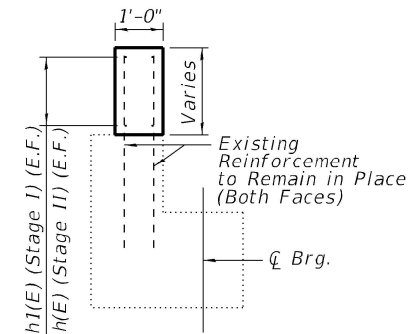
ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	2.7

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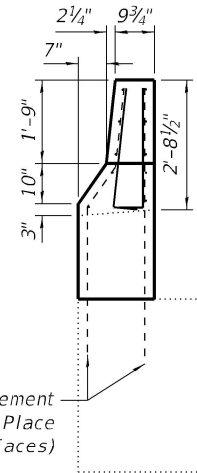


ELEVATION

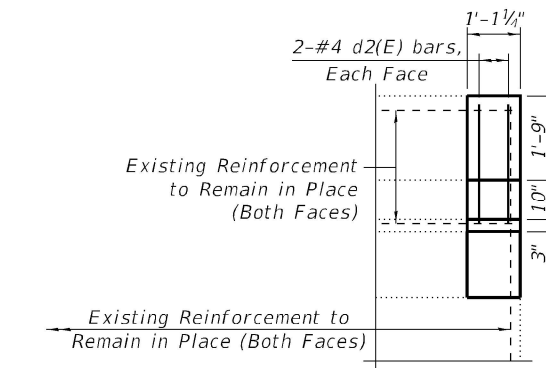
PLAN



SECTION THRU ABUTMENT



SECTIONS THRU WING WALL
(South Wing Wall Shown, North Similar)



WING WALL ELEVATION
(South Wing Wall Shown, North Similar)

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	8	#4	3'-0"	
h(E)	4	#5	20'-8"	
h1(E)	4	#5	17'-5"	
h2(E)	4	#5	5'-1"	
h5(E)	2	#5	6'-8"	
Concrete Structures			Cu. Yd.	2.7
Reinforcement Bars, Epoxy Coated			Pound	220
Replace Joint Filler			Foot	27

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618.553.2877 fax
www.kaskaskiaeng.com
1827 N. Main St.
Bellaire, Illinois 62223
618.553.2877

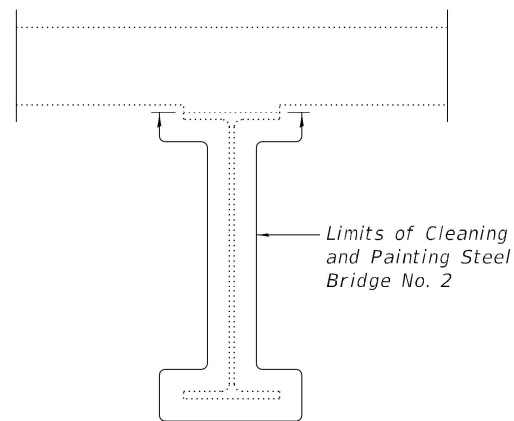
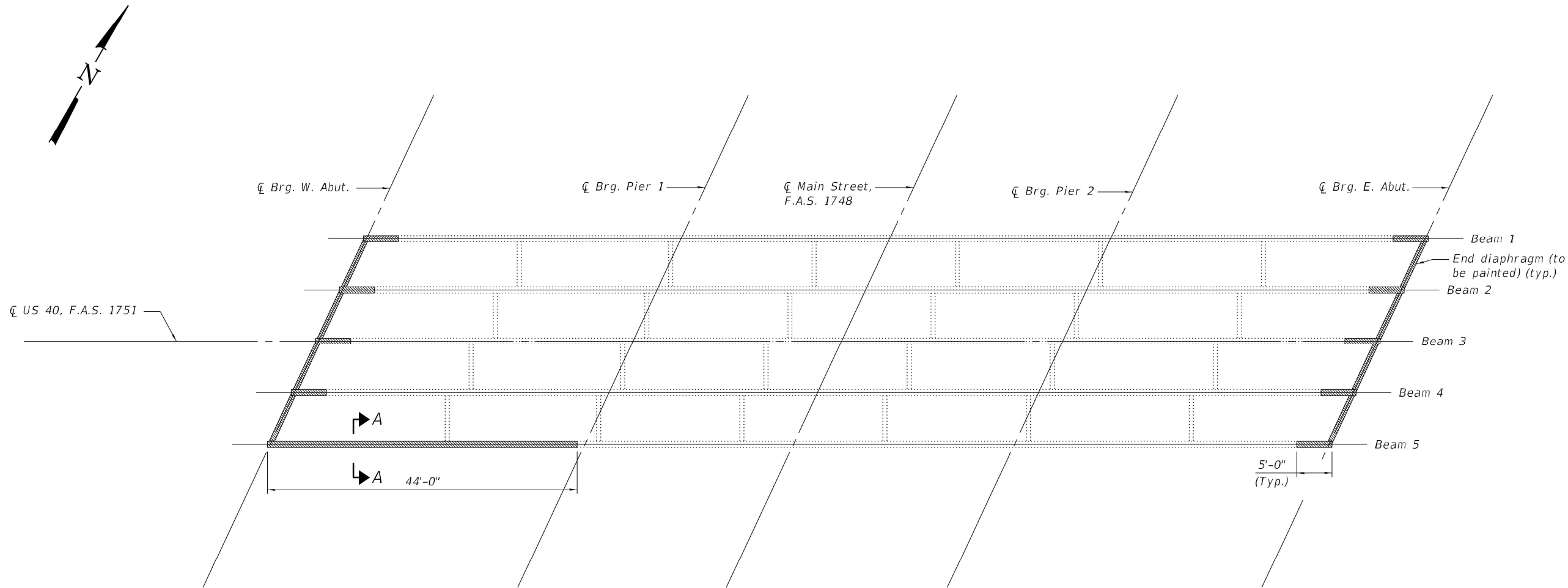
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PLOT DATE =	CHECKED - JW	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT PLAN & ELEVATION
STRUCTURE NO. 003-0019

SHEET 13 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	108
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				



SECTION A-A

Indicates limits of Cleaning and Painting Steel Bridge No. 2

Notes:

1. See General Notes for additional painting requirements.
2. Cleaning and Painting Steel Bridge No. 2 shall include the beam ends and end diaphragms.
3. The area of steel to be painted is approximately 1,100 square feet.
4. For plan of existing steel, see Sheet 16 of 16.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

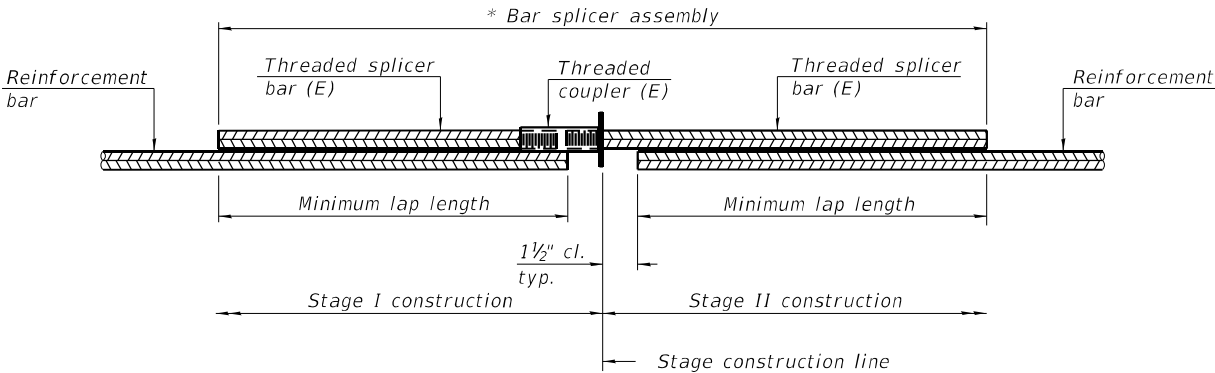
EXISTING STEEL CLEANING & PAINTING DETAILS
STRUCTURE NO. 003-0019

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	109
CONTRACT NO. 76K46				
ILLINOIS FED. AID PROJECT				

SHEET 14 OF 16 SHEETS

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618.353.2877
20-088056

USER NAME =	DESIGNED - MLC	REVISED -
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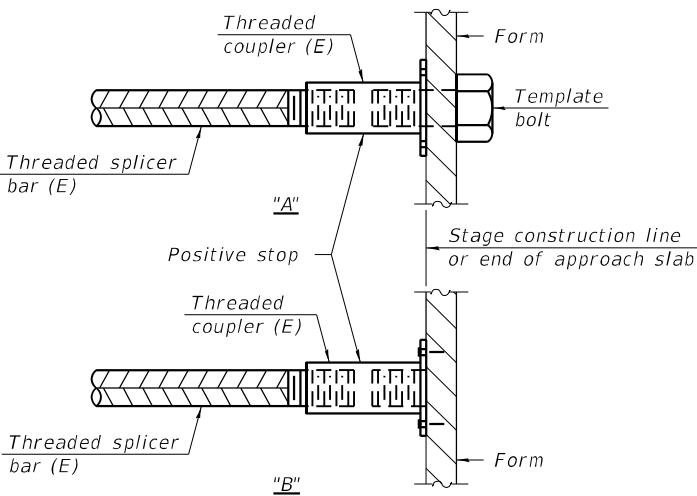


STANDARD BAR SPLICER ASSEMBLY PLAN
(All components shall be provided from one supplier)

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

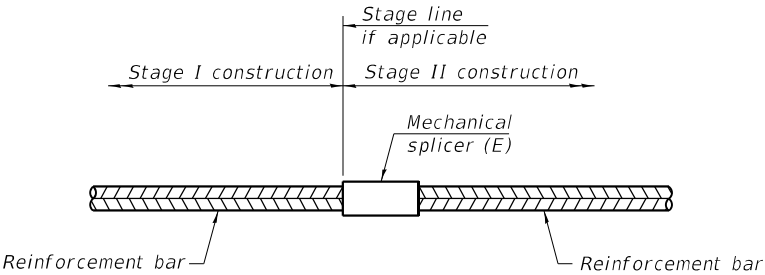
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
West Abutment	#5	4	3'-6"
East Abutment	#5	4	3'-6"
Deck	#5	28	3'-6"



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.

MODEL: Default
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BSD-1

1-1-2020



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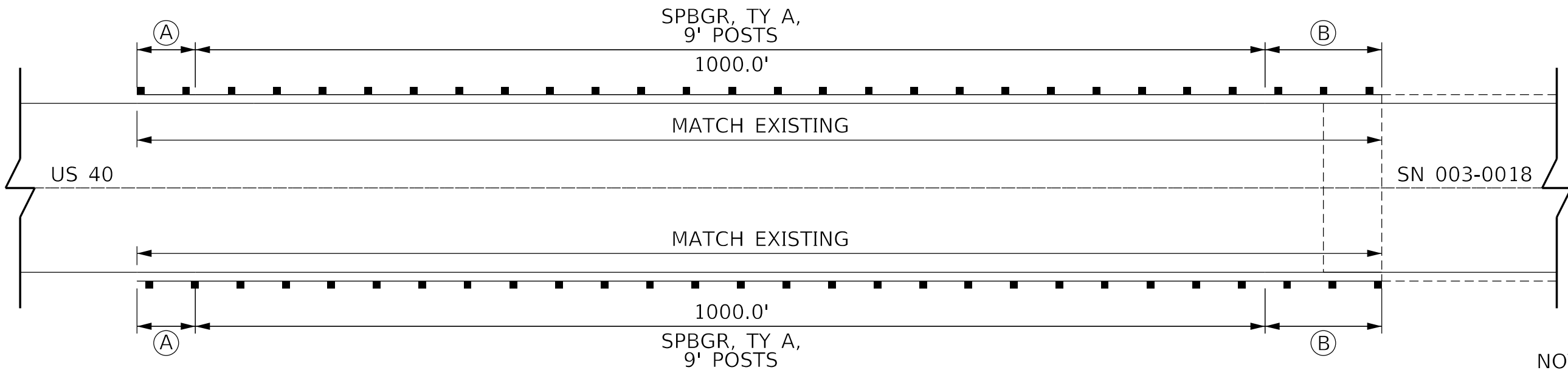
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

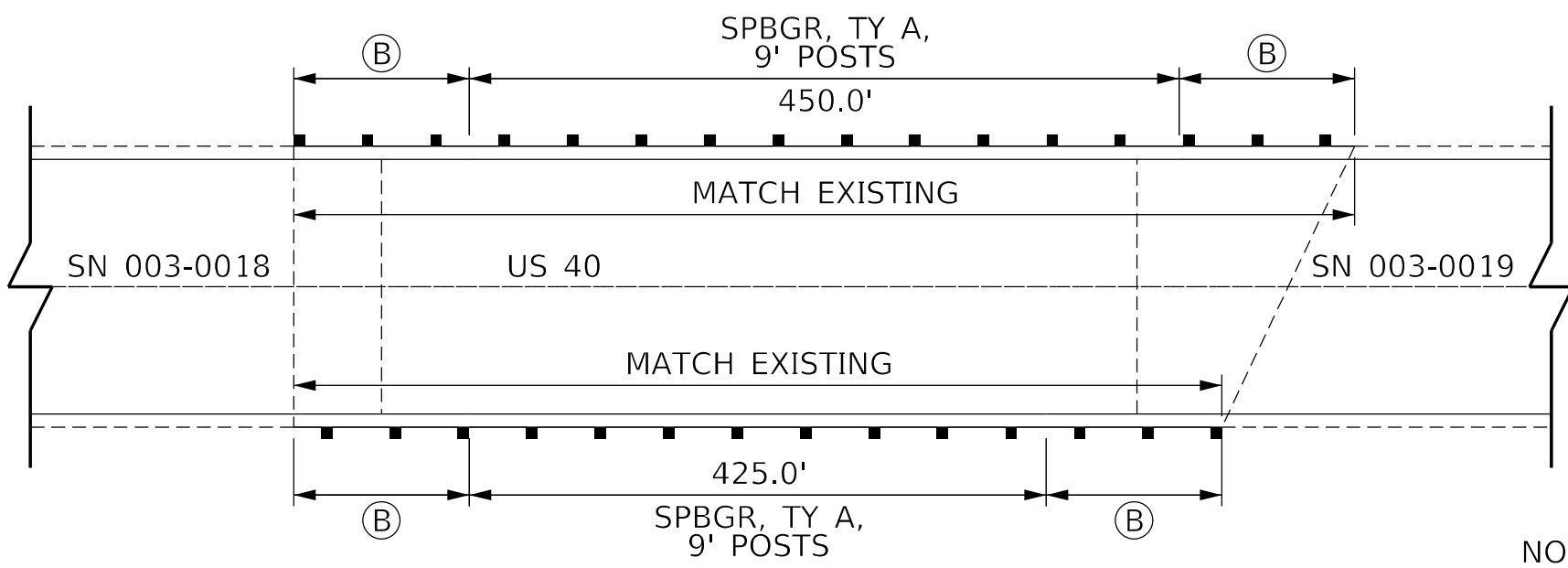
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 003-0019

SHEET 15 OF 16 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1751	(Q-1, X-1, F-1)RS-2, Q-1VBDR-1	BOND	113	110
CONTRACT NO. 76K46				
		ILLINOIS	FED. AID PROJECT	



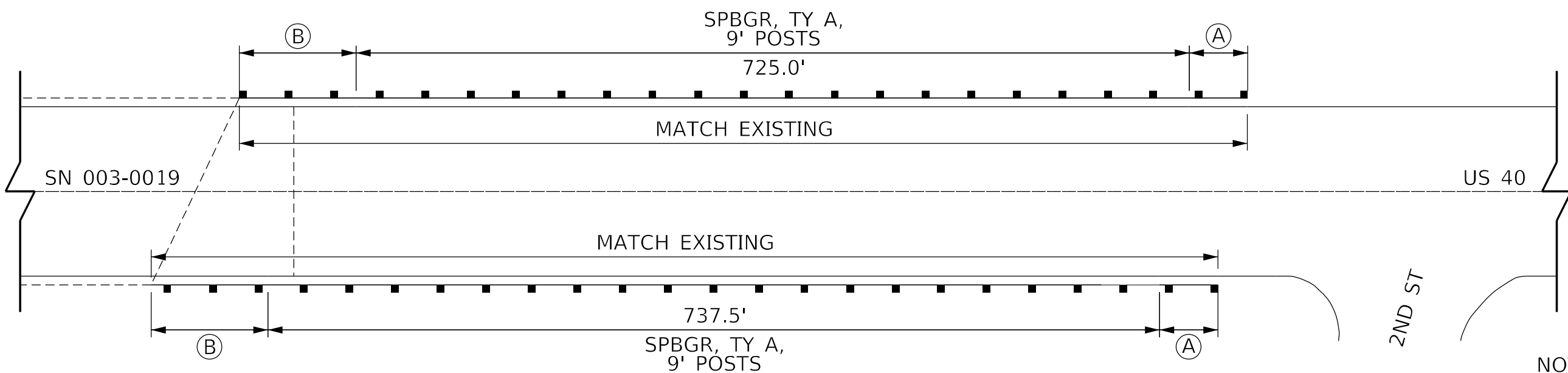
NOT TO SCALE



NOT TO SCALE

LEGEND

- (A) TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT
- (B) TRAFFIC BARRIER TERMINAL, TYPE 6B



NOT TO SCALE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

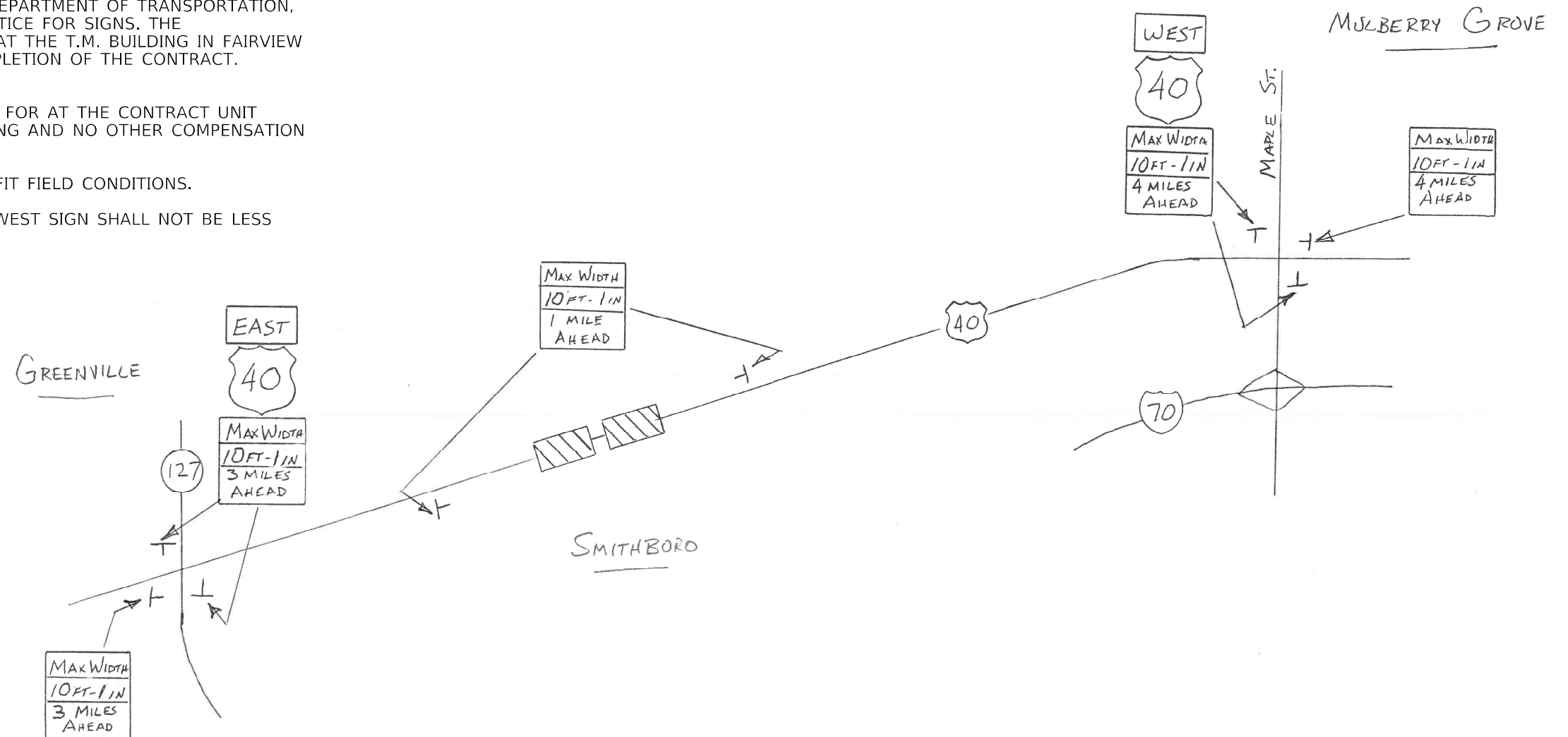
GUARDRAIL DETAILS

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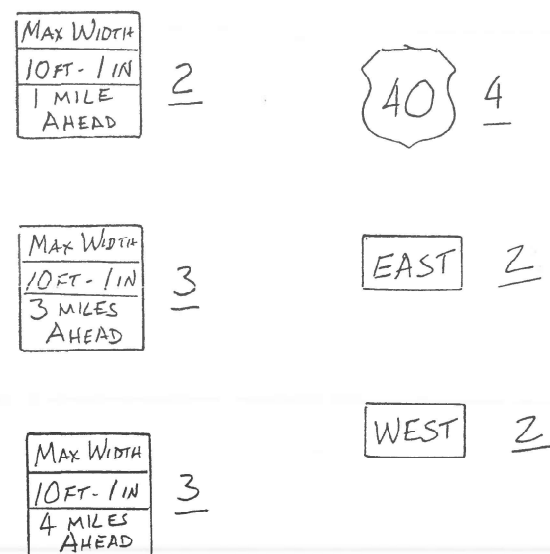
**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	(Q-1,X-1,F-1)RS-2, Q-1VBDR-1	BOND	113	112
**FAU 9832, FAS 1751	CONTRACT NO. 76K46			
		ILLINOIS	FED. AID PROJECT	

NOTES

1. ALL SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY IDOT.
2. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE R.E./R.T. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE @ 394-2189.
4. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR WIDE LOAD SIGNING AND NO OTHER COMPENSATION WILL BE ALLOWED.
5. SIGN SPACING WILL BE 400 FEET OR TO FIT FIELD CONDITIONS.
6. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6 FEET.



SIGNS REQUIRED



WIDE LOAD SIGNING
US 40 OVER BNSF RR & MAIN ST
SN 003-0018 & SN 003-0019



USER NAME = humphreysb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIDE LOAD SIGNING DETAILS				**F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						**	[Q-1,X-1,F-1]RS-2, Q-1VBDR-1	BOND	113	113
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PLOT DATE = 5/13/2022	DATE -	REVISED -						**FAU 9832, FAS 1751	ILLINOIS		FED. AID PROJECT	CONTRACT NO. 76K46