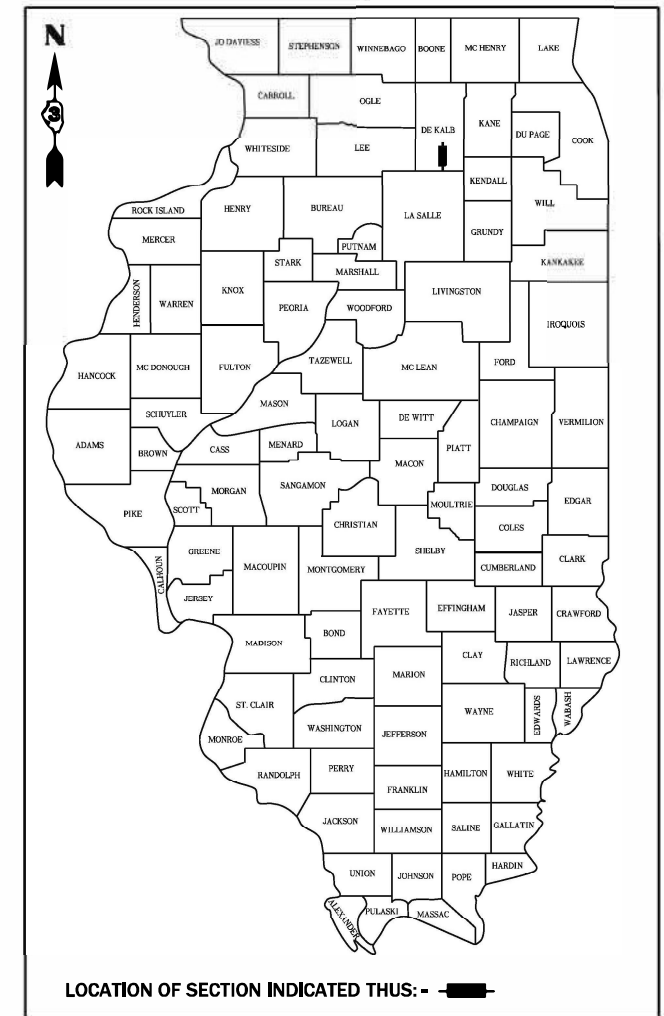


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	1
		ILLINOIS	CONTRACT NO. 66L53	

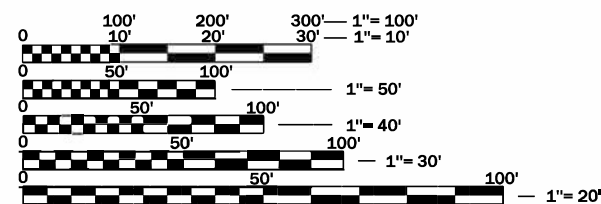
P-93-002-21
D-93-035-23



INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
- 3-8 SUMMARY OF QUANTITIES
- 9-10 TYPICAL SECTIONS
- 11-12 SCHEDULE OF QUANTITIES
- 13 ALIGNMENT, TIES, AND BENCHMARKS
- 14 REMOVAL PLAN
- 15 PLAN AND PROFILE
- 16-23 MAINTENANCE OF TRAFFIC
- 24 EROSION & SEDIMENT CONTROL PLAN
- 25 GRADING PLAN
- 26 PLAT OF HIGHWAYS
- 27-29 PAVEMENT MARKING AND SIGNING PLAN
- 30-31 TRAFFIC SIGNAL PLANS
- 32-40 IL ROUTE 23 CULVERT PLANS
- 41 SOIL LOGS
- 42-45 EXISTING STRUCTURAL PLANS
- 46-49 CROSS SECTION
- 50-52 DISTRICT DETAILS

FOR LIST OF STANDARDS, SEE SHEET NO. 2



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

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

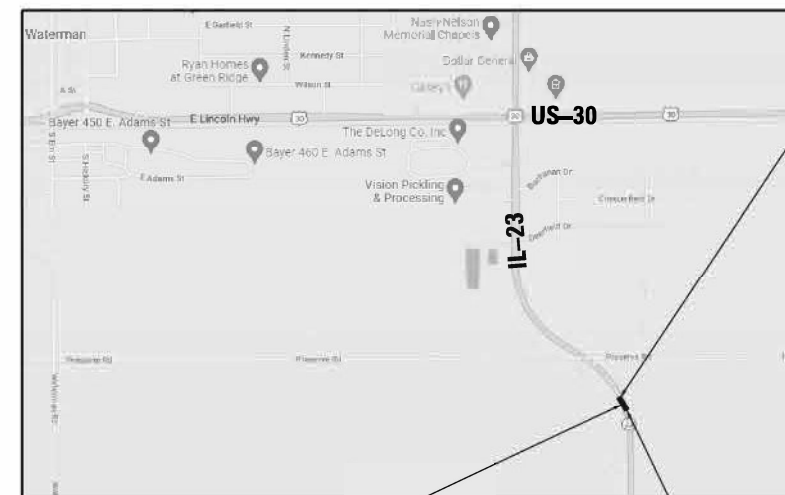
PROJECT ENGINEER: JOSEPH KANNEL, P.E.
UNIT CHIEF: DARCY MITCHELL
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66L53

PROPOSED
HIGHWAY PLANS

FAP ROUTE 68 (IL 23)
SECTION: 30CR-2538
PROJECT: HBFP-75L1(492)
CULVERT REPLACEMENT
AT STREAM UNDER IL 23
DEKALB COUNTY

C-93-055-23

VILLAGE
OF
WATERMAN



END IMPROVEMENTS
STA. 512 + 40.00



LOCATION MAP
NOT TO SCALE

CULVERT REPLACEMENT
STA. 510 + 72.00
EXIST SN 019-2538
PROP SN 019-2562

BEGIN IMPROVEMENTS
STA. 508 + 50.00

GROSS LENGTH = 360.00 FT. = 0.068 MILE
NET LENGTH = 360.00 FT. = 0.068 MILE

FUNCTIONAL CLASSIFICATION
RURAL MINOR ARTERIAL
2021 ADT = 2250
P.V. = 92.9% S.U. = 4.0% M.U. = 3.1%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 18, 2023

Mamad Ahmad
REGIONAL ENGINEER

December 8, 2023

S. A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

December 8, 2023

Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES:

- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BESEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
- ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD

- MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

COMED - ELECTRIC
FRONTIER - CABLE OR FIBER
NICOR - GAS
MEDIACOM - CABLE
LUMEN - CABLE OR FIBER
VILLAGE OF WATERMAN - SANITARY SEWER
- NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

NONE
- THE W1-8 SIGNS AND THE WEIGHT RESTRICTION SIGNS SHALL BE RETURNED TO DISTRICT 3 WATERMAN MAINTENANCE FACILITY BY CONTACTING SEAN MEIBORG AT (815) 895-4551

COMMITMENTS:

- FIELD TITLE ENCOUNTERED ON THE PROJECT SITE SHALL BE OUTLET AT THE SAME OR LOWER ELEVATION THAN THE EXISTING ELEVATION.
- PROPOSED RIPRAP AREAS SHOWN ON THE PLANS ARE COORDINATED WITH ENVIRONMENTAL AGENCIES AND FINALIZED. RIPRAP AREAS SHALL NOT BE INCREASED BEYOND THE LIMITS SHOWN ON THE PLAN.

LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	TEMP. PAVEMENT
MIXTURE USE(S):	HMA SURFACE	HMA BINDER	HMA SHOULDER TOP LIFT	HMA SHOULDER BOTTOM LIFT(S)	HMA BASE COURSE	HMA BINDER
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION):	IL 9.5	IL 9.5	IL 9.5	IL 19.0	IL 19.0	IL 9.0
FRICITION AGGREGATE:	MIXTURE C	NA	MIXTURE C	NA	NA	NA
MIXTURE WEIGHT:	112.0 LBS/SY/IN	112.0 LBS/SY/IN	112.0 LBS/SY/IN	112.0 LBS/SY/IN	112.0 LBS/SY/IN	112.0 LBS/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:	NA	NA	NA	NA	NA	NA
DENSITY TEST METHOD:	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR

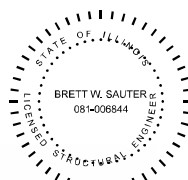
LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
630001-13	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
642006-01	SHOULDER RUMBLE STRIPS, 8 INCH
666001-01	RIGHT-OF-WAY MARKERS
701006-05	OFF-ROAD OPERATIONS 2L,2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDING, FOR SPEEDS >= 45 MPH
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

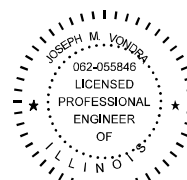
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MUTHAYAB AHMED MOHAMMED, P.E.
IL LIC. NO. 062-072419
EXP: 11 / 30 / 2023
DATE: 09 / 29 / 2023
THIS SEAL AND SIGNATURE PERTAINS TO SHEETS 1-29, 46-52.



BRETT W. SAUTER, P.E.
IL LIC. NO. 081-006844
EXP: 11 / 30 / 2024
DATE: 09 / 29 / 2023
THIS SEAL AND SIGNATURE PERTAINS TO SHEETS 32-45



JOSEPH W. VONDRA, P.E.
IL LIC. NO. 062-055846
EXP: 11 / 30 / 2023
DATE: 09 / 29 / 2023
THIS SEAL AND SIGNATURE PERTAINS TO SHEETS 32-45

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION: _____

INSPECTORS: _____



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	DRAWN - CC	REVISED -
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PLOT DATE = 10/2/2023	DATE - 10/02/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 23
GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	2
			CONTRACT NO. 66L53	
ILLINOIS FED. AID PROJECT				

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				004	
				80% FEDERAL 20% STATE	100% LOCAL VILLAGE OF WATERMAN
				BOX CULVERT	SANITARY SEWER
				S.N. 019-2562 (PR)	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	60	60	
20200100	EARTH EXCAVATION	CUYD	175	175	
20400800	FURNISHED EXCAVATION	CUYD	270	270	
20700220	POROUS GRANULAR EMBANKMENT	CUYD	390	390	
20800150	TRENCH BACKFILL	CUYD	27.4		27.4
25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	37	37	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	37	37	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	37	37	
25100630	EROSION CONTROL BLANKET	SQYD	1,789	1,789	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	20	20	
28000305	TEMPORARY DITCH CHECKS	FOOT	190	190	
28000400	PERIMETER EROSION BARRIER	FOOT	747	747	
28100107	STONE RIPRAP, CLASS A4	SQYD	55	55	

* =SPECIALTY ITEM

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PLOT DATE = 10/19/2023	CHECKED - MM	REVISED -
	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	3
			CONTRACT NO. 66L53	
		ILLINOIS	FED. AID PROJECT	

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				004	
				80% FEDERAL 20% STATE	100% LOCAL VILLAGE OF WATERMAN
				BOX CULVERT	SANITARY SEWER
				S.N. 019-2562 (PR)	
28200200	FILTER FABRIC	SQ YD	55	55	
31100500	SUBBASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	298	298	
35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SQ YD	256	256	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	481	481	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	396	396	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4	4	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	36	36	
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	62	62	
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	103	103	
44000100	PAVEMENT REMOVAL	SQ YD	80	80	
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	628	628	
44004250	PAVED SHOULDER REMOVAL	SQ YD	241	241	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	561	561	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	

* = SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	4
			CONTRACT NO. 66L53	
			ILLINOIS FED. AID PROJECT	

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				004	
				80% FEDERAL 20% STATE	100% LOCAL VILLAGE OF WATERMAN
				BOX CULVERT	SANITARY SEWER
				S.N. 019-2562 (PR)	
50200100	STRUCTURE EXCAVATION	CU YD	448	448	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	25,440	25,440	
50800515	BAR SPLICERS	EACH	64	64	
51500100	NAME PLATES	EACH	1	1	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	330	330	
54003000	CONCRETE BOX CULVERTS	CU YD	102	102	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1		1
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	90	90	
60100945	PIPE DRAINS 12"	FOOT	50	50	
61100605	MISCELLANEOUS CONCRETE	CU YD	6	6	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	125	125	
* 63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	88	88	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	507	507	

* =SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
SUMMARY OF QUANTITIES**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	5
			CONTRACT NO. 66L53	
		ILLINOIS	FED. AID PROJECT	

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				004	
				80% FEDERAL 20% STATE	100% LOCAL VILLAGE OF WATERMAN
				BOX CULVERT	SANITARY SEWER
				S.N. 019-2562 (PR)	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1,831	1,831	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8	8	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	12	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,483	3,483	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	667	667	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	850	850	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	312	312	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	725	725	
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- RED/RECTIVE), TEST LEVEL 2	EACH	2	2	

*

* =SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 SUMMARY OF QUANTITIES			
SCALE:	SHEET 4	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	6
			CONTRACT NO. 66L53	
		ILLINOIS	FED. AID PROJECT	

				CONSTRUCTION CODE 004		
				80% FEDERAL 20% STATE		100% LOCAL VILLAGE OF WATERMAN
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	BOX CULVERT		SANITARY SEWER
				S.N. 019-2562 (PR)		
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2		
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	6	6		
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4		
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	20	20		
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	2	2		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4,475	4,475		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	16	16		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	16	16		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,399	1,399		
* X0322786	SANITARY SEWER TESTING	L SUM	1			1

* =SPECIALTY ITEM

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	DRAWN - CC	REVISED -
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PLOT DATE = 10/19/2023	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	7
			CONTRACT NO. 66L53	
			ILLINOIS FED. AID PROJECT	

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				004	
				80% FEDERAL 20% STATE	100% LOCAL VILLAGE OF WATERMAN
				BOX CULVERT	SANITARY SEWER
				S.N. 019-2562 (PR)	
X1200288	SANITARY SEWER BYPASS PUMPING	L SUM	1		1
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	60	60	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	299	299	
X5510315	SANITARY SEWER REMOVAL 15"	FOOT	75		75
X5810103	WATERPROOFING MEMBRANE SYSTEM FOR BURIED STRUCTURES	SQ YD	116	116	
X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1
X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	1		1
X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	25	25	
X6660410	REMOVE RIGHT-OF-WAY MARKERS	EACH	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	84	84	
Z0058600	SANITARY SEWER, TYPE 1 15"	FOOT	54		54
Z0062456	TEMPORARY PAVEMENT	SQ YD	42	42	
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1	1	

* =SPECIALTY ITEM

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DATE -	10/02/2023

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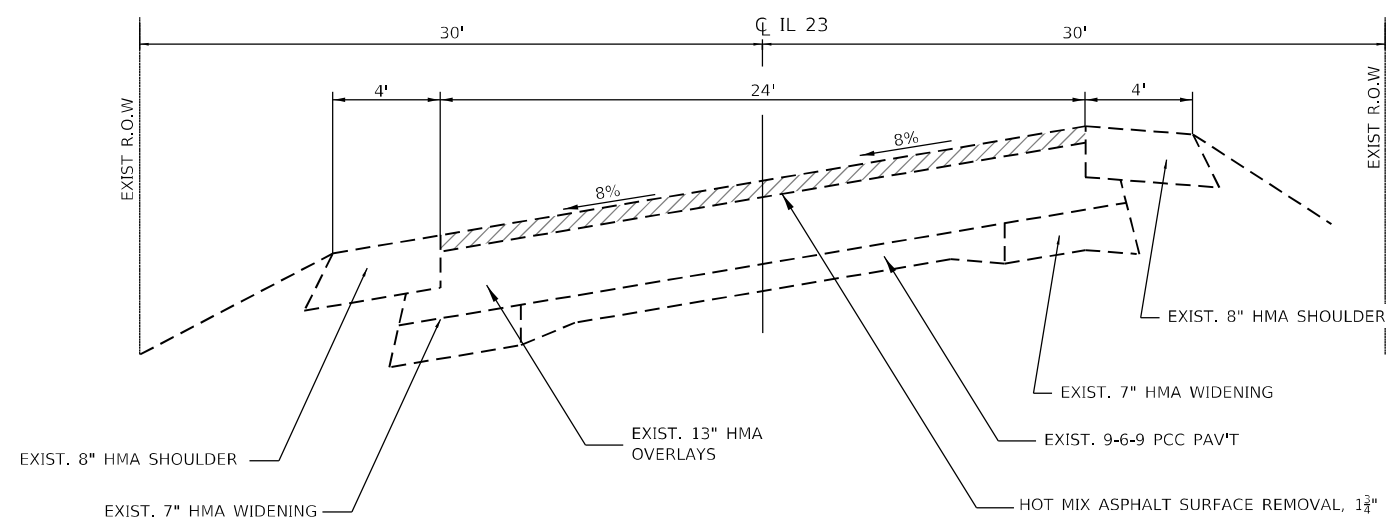
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
SUMMARY OF QUANTITIES**

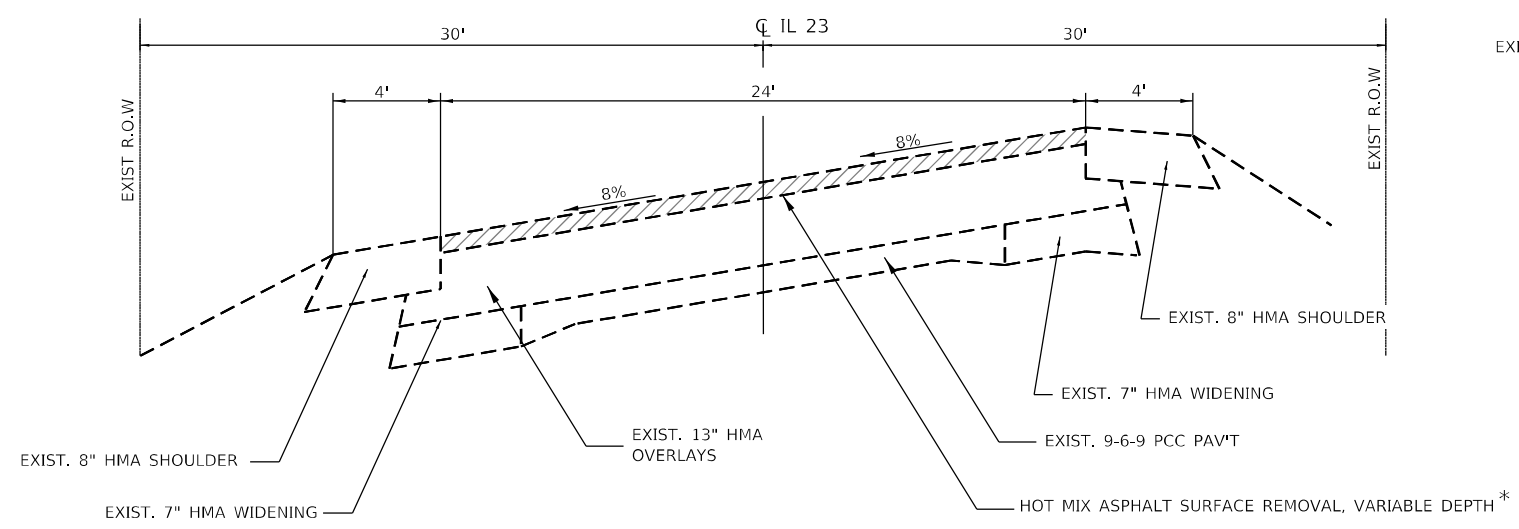
SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	8
			CONTRACT NO. 66L53	
ILLINOIS			FED. AID PROJECT	

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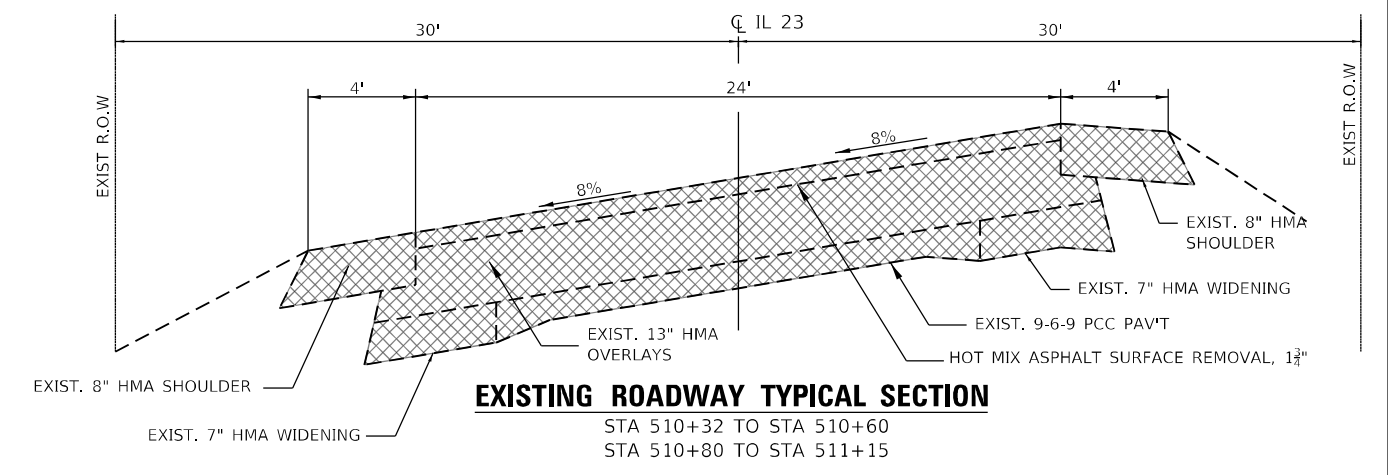


EXISTING ROADWAY TYPICAL SECTION
 STA 508+50 TO STA 509+30
 STA 511+15 TO STA 512+40

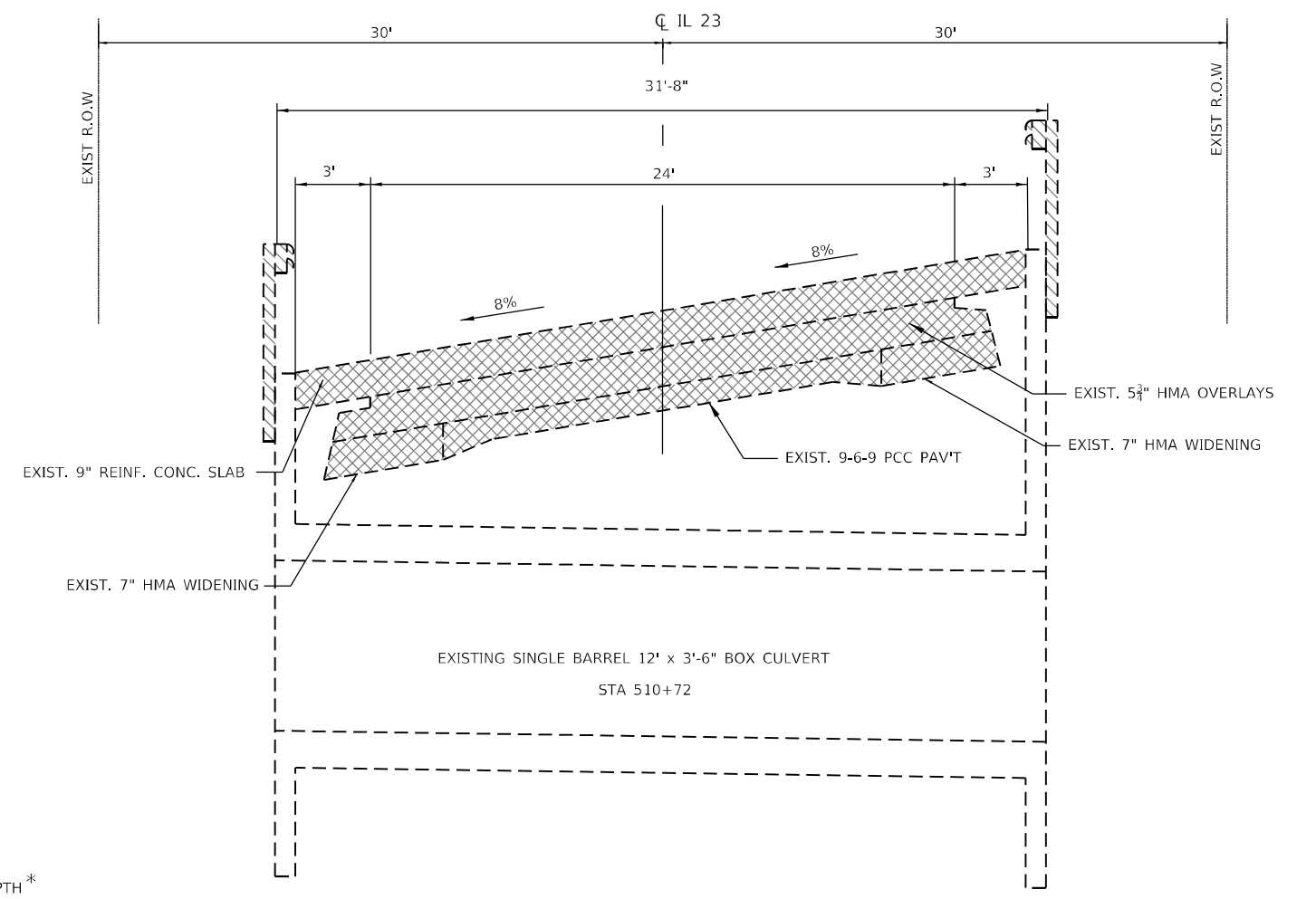


EXISTING ROADWAY TYPICAL SECTION
 STA 509+30 TO STA 510+32

* VARIABLE DEPTH 3.75"-0.75" FROM STA 509+30 TO STA 510+32



EXISTING ROADWAY TYPICAL SECTION
 STA 510+32 TO STA 510+60
 STA 510+80 TO STA 511+15



EXISTING STRUCTURE TYPICAL SECTION
 STA 510+60 TO STA 510+80

REMOVAL LEGEND			
	HMA SURFACE REMOVAL		FULL DEPTH PAVEMENT REMOVAL
	GUARDRAIL REMOVAL		



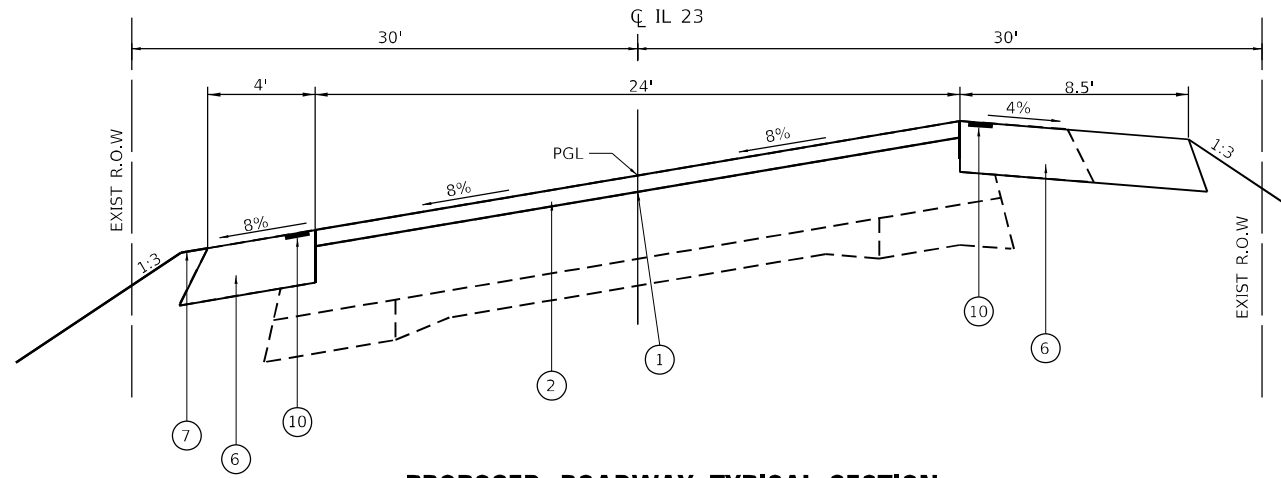
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DRAWN - CC	REVISED -	
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PLOT DATE = 10/16/2023	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 EXISTING TYPICAL SECTION			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

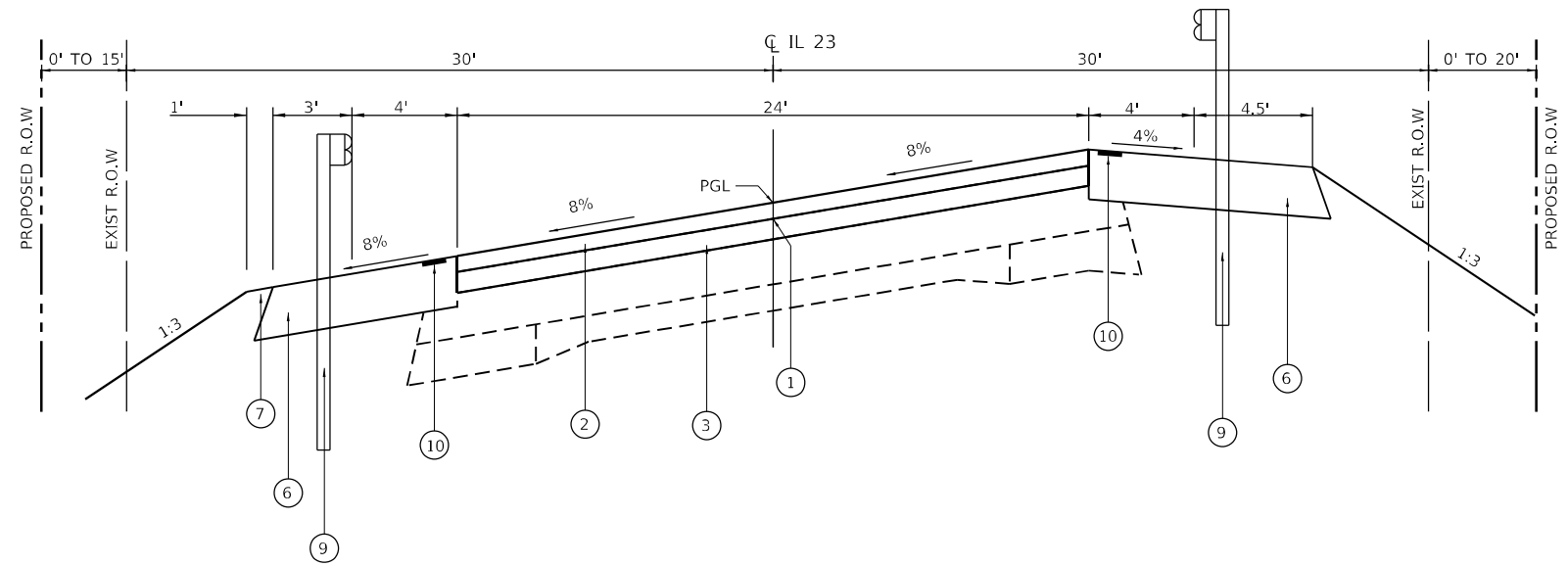
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	9
				CONTRACT NO. 66L53

ILLINOIS FED. AID PROJECT



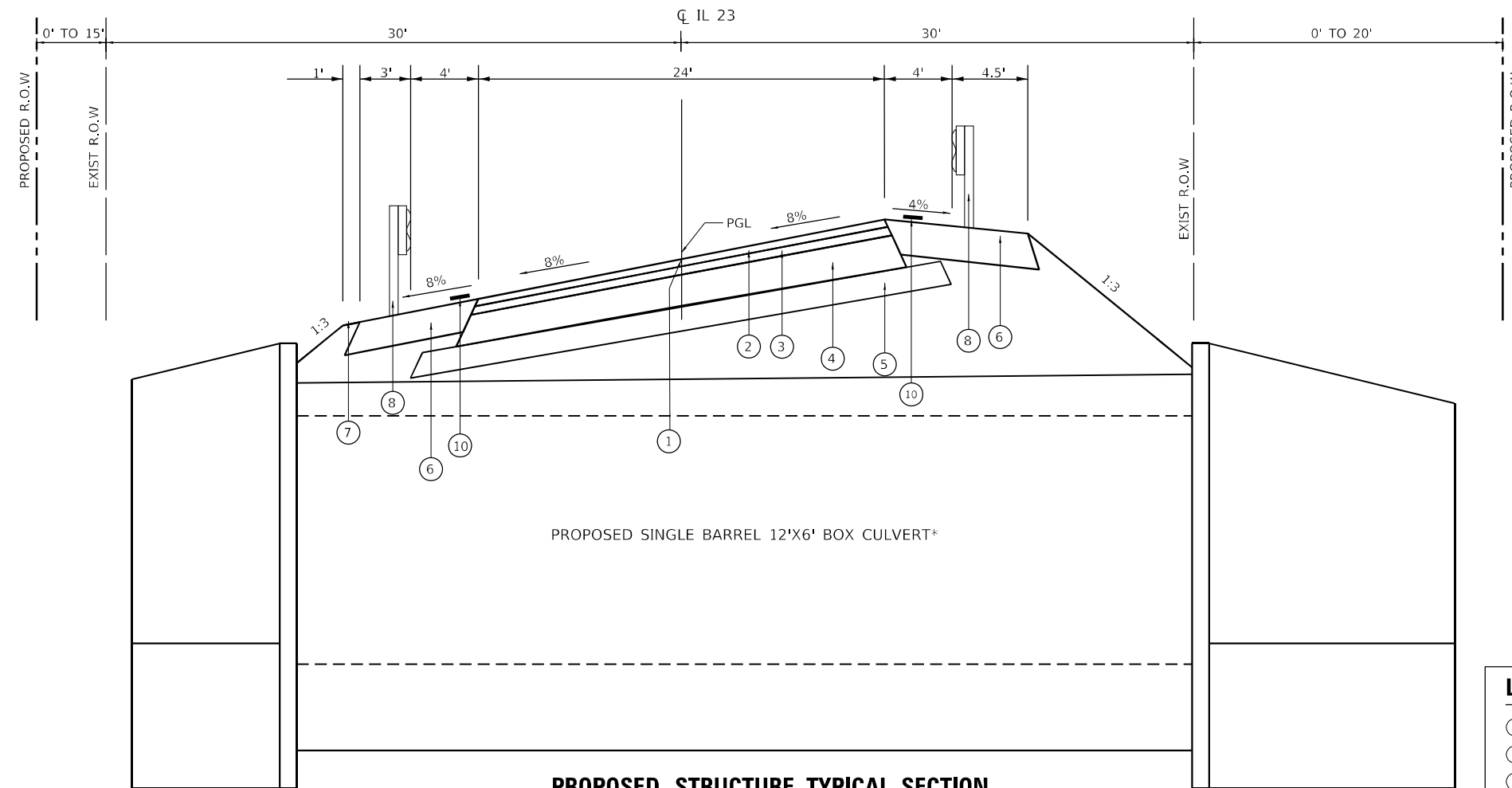
PROPOSED ROADWAY TYPICAL SECTION

STA 508+50 TO STA 509+30
STA 511+15 TO STA 512+40



PROPOSED ROADWAY TYPICAL SECTION

STA 509+30 TO STA 510+32



PROPOSED STRUCTURE TYPICAL SECTION

FULL DEPTH RECONSTRUCTION FROM
STA 510+32 TO STA 511+15

* STA 510+60 TO STA 510+80

LEGEND:

- ① LONGITUDINAL JOINT SEALANT
- ② HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX C, N70, 1 3/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- ④ HOT-MIX ASPHALT BASE COURSE, 7 1/2"
- ⑤ SUBBASE GRANULAR MATERIAL TYPE A, 6"
- ⑥ HOT MIX ASPHALT SHOULDER, 8"
- ⑦ EARTH SHELF, 1' WIDE
- ⑧ LONG SPAN GUARDRAIL OVER CULVERT, 18'-9" SPAN
- ⑨ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POST
- ⑩ SHOULDER RUMBLE STRIP 8"

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PLOT DATE = 10/16/2023	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
PROPOSED TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	10
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				

REMOVAL OF PAVING MATERIALS				
LOCATION	OFFSET	HMA SURFACE REMOVAL, 1 3/4"	HMA SURFACE REMOVAL, VARIABLE DEPTH	PAVEMENT REMOVAL
	(LT/RT)	(SQ YD)	(SQ YD)	(SQ YD)
STA 508+50.00 TO STA 509+30.00	LT/RT	245		
STA 509+30.00 TO STA 510+32.06	LT/RT		299	
STA 510+32.06 TO STA 511+14.93	LT/RT			80
STA 511+14.93 TO STA 512+40.00	LT/RT	383		
TOTAL		628	299	80

ROADSIDE ITEMS									
LOCATION	OFFSET	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	GUARDRAIL REFLECTORS, TYPE A	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	TELESCOPING STEEL SIGN SUPPORT	BASE FOR TELESCOPING STEEL SIGN SUPPORT	RELOCATE SIGN PANEL ASSEMBLY - TYPE A
	(LT/RT)	(FT)	(UNIT)	(FT)	(UNIT)	(EACH)	(FT)	(EACH)	(EACH)
STA 509+91.30 TO STA 510+41.30	RT	50	1						
STA 510+85.05 TO STA 510+97.55	RT	12.5	1						
STA 510+47.05 TO STA 510+59.55	LT	12.5	1						
STA 511+03.30 TO STA 511+53.30	LT	50	1						
STA 510+41.30 TO STA 510+85.05	RT			44					
STA 510+59.55 TO STA 511+03.30	LT			44					
STA 509+41.30 TO STA 511+47.50					4				
STA 509+97.05 TO STA 512+03.30					4				
STA 508+50.00 TO STA 512+40.00						8			
STA 509+98.00	18.4' RT						10	1	
STA 511+66.75	17.8' RT						10	1	
STA 511+81.50	28.8' RT								1
TOTAL		125	4	88	8	8	20	2	1

PAVEMENT MARKINGS								
LOCATION	OFFSET	MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE)	MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SKIP LINE)	MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE CENTERLINE)	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL - WATERBLASTING	SHORT TERM PAVEMENT MARKING
	(LT/RT)	(FT)	(FT)	(FT)	(EACH)	(EACH)	(SQ FT)	(FT)
STA 505+04.10 TO STA 516+32.83	0				16	16	1399	
STA 505+14.00 TO STA 506+16.00	RT							115
STA 506+16.00 TO STA 515+17.00	LT							1745
STA 505+04.10 TO STA 516+32.83	LT	1229						
STA 505+64.10 TO STA 515+17.20	RT							
STA 505+64.10 TO STA 507+55.97	RT	214						
STA 507+55.97 TO STA 508+44.47	RT		25					
STA 508+44.47 TO STA 515+17.20	RT	749						
STA 505+04.10 TO STA 516+32.83	0			2258				
STA 505+04.00 TO STA 507+51.00	LT							246
STA 507+51.00 TO STA 513+60.00	RT							1185
STA 513+50.00 TO STA 515+43.00	LT							192
TOTAL		2192	25	2258	16	16	1399	3483

NOTE:
PAVEMENT MARKING QUANTITY INCLUDES 2 LAYERS OF MODIFIED URETHANE APPLICATION.

LANDSCAPING AND EROSION CONTROL											
LOCATION	OFFSET	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER	STONE RIPRAP, CLASS A4	FILTER FABRIC	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS
	(LT/RT)	(ACRE)	(LBS)	(LBS)	(LBS)	(SQ YD)	(FT)	(SQ YD)	(SQ YD)	(POUND)	(FT)
STA 508+50.00 TO STA 510+53.12	RT	0.11	11	11	11	500	191			6.3	
STA 508+50.00 TO STA 510+82.39	LT	0.08	8	8	8	407	230			4.5	
STA 510+29.53 TO STA 510+59.81	RT							32	32		
STA 510+59.81 TO STA 512+40.00	RT	0.14	14	14	14	670	202			6.3	190
STA 510+82.39 TO STA 511+16.52	LT							23	23		
STA 510+90.91 TO STA 512+40.00	LT	0.06	6	6	6	212	124			2.7	
TOTAL		0.39	39	39	39	1789	747	55	55	20	190

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PLOT DATE = 10/16/2023	CHECKED - MM	REVISED -
	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 SCHEDULE OF QUANTITIES			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE. 68	SECTION 30CR-2538	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 11
CONTRACT NO. 66L53			ILLINOIS FED. AID PROJECT	

PAVEMENT AND SHOULDERS														
LOCATION	OFFSET	LENGTH	SUB GRAN MAT, TY A 6"	HMA BASE CSE, 7 1/2"	MIX CR, JTS, FLGWY	HMA BINDER CSE, IL-9.5, N70	HMA SURF CSE, MIX "C", N70	BIT MAT (TACK COAT)	HMA SHLDR REM, 8"	HMA SHLDR 8"	LONGITUDINAL JOINT SEALANT	SHOULDER RUMBLE STRIPS, 8"	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY PAVEMENT
	(LT/RT)	(FT)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(POUND)	(SQ YD)	(SQ YD)	(FT)	(FT)	(SQ YD)	(SQ YD)
STA 508+50.00 TO STA 512+40.00	LT/RT	360			4		103	481	241	561	396	1831		
STA 509+30.00 TO STA 510+32.00						62								
STA 510+32.06 TO STA 511+14.93	LT/RT	208	298	256										
STA 508+50.00	16' RT TO 16' LT												18	
STA 512+40.00	16' RT TO 16' LT												18	
STA 509+81.64 TO STA 510+69.91	LT													21
STA 510+88.65 TO STA 511+73.28	LT													21
TOTAL			298	256	4	62	103	481	241	561	396	1831	36	42

TRAFFIC CONTROL ITEMS							
LOCATION	TEMPORARY BRIDGE TRAFFIC SIGNALS	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTEN'S. TEMP (NON-REDIRECTED) TEST LEVEL 2	IMPACT ATTEN'S. TEMP (FULLY-REDIRECTED, NARROW) TEST LEVEL 2	IMPACT ATTEN'S. REL (NON-REDIRECTED) TEST LEVEL 2	TEMPORARY RUMBLE STRIPS
	(EACH)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)
STAGE 1	1	850		2			6
STAGE 2			725		2	2	6
TOTAL	1	850	725	2	2	2	12

ROADSIDE REMOVAL ITEMS					
LOCATION	OFFSET	TREE REMOVAL (OVER 15 UNITS DIAMETER)	GUARDRAIL REMOVAL	REMOVE SIGN PANEL ASSEMBLY, TYPE A	REMOVE RIGHT-OF-WAY MARKERS
	(LT/RT)	(UNIT)	(FT)	(EACH)	(EACH)
STA 510+68.38	42.9' RT	60			
STA 508+83.80 TO STA 512+06.72	RT		328		
STA 509+83.84 TO STA 511+65.44	LT		179		
STA 508+98.09	18.2' RT			1	
STA 509+98.06	18.4' RT			1	
STA 511+14.93	14.4' LT				1
STA 511+23.08	17.5' LT			1	
STA 511+67.46	18.6' RT			1	
TOTAL		60	507	4	1

SANITARY SEWER SCHEDULE								
FROM	TO	SANITARY MANHOLES TO BE REMOVED	SANITARY SEWER REMOVAL 15"	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	SANITARY SEWER, TYPE 1, 15"	TRENCH BACKFIL L	
STATION	OFFSET	STATION	OFFSET	(EACH)	(FOOT)	(EACH)	(EACH)	(CU. YD)
511+60.00	21.66' LT			1				
510+87.00	19.1' LT	511+60	22.9' LT		75	1		
511+60						1		
511+00.39							54	
511+00.39	39.10' LT	511+60	22.94' LT					27.4
511+01.27	38.23' LT	511+59.13	22.07' LT					
TOTAL				1	75	1	1	54

EARTHWORK SCHEDULE					
LOCATION STATION TO STATION	EARTH EXCAVATION	EARTH EXCAVATION SUITABLE FOR EMBANKMENT	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
	CU YD	CU YD	CU YD	CU YD	CU YD
Stage 1					
STA 508+50 TO STA 509+00	7.88	4.12	2.88	4.35	-1.47
STA 509+00 TO STA 509+50	8.5	2.61	1.83	9.13	-7.30
STA 509+50 TO STA 510+00	11.66	0.16	0.11	27.41	-27.30
STA 510+00 TO STA 510+32	8.12	0.21	0.15	28.49	-28.34
STA 510+32 TO STA 511+15	35.38	2.56	1.79	49.14	-47.35
STA 511+15 TO STA 511+50	12.65	2.97	2.08	21.78	-19.70
STA 511+50 TO STA 512+00	13.39	4	2.80	14.18	-11.38
STA 512+00 TO STA 512+40	8.41	2.65	1.86	8.78	-6.93
Stage 2					
STA 508+50 TO STA 509+00	4.84	0.17	0.12	5.97	-5.85
STA 509+00 TO STA 509+50	6.51	0	0.00	14.12	-14.12
STA 509+50 TO STA 510+00	7.18	0	0.00	21.13	-21.13
STA 510+00 TO STA 510+32	5.75	0.81	0.57	20.28	-19.71
STA 510+32 TO STA 511+15	27.07	3.15	2.21	43.19	-40.99
STA 511+15 TO STA 511+50	6.21	1.62	1.13	10.23	-9.10
STA 511+50 TO STA 512+00	5.96	0.81	0.57	6.78	-6.21
STA 512+00 TO STA 512+40	3.1	0.87	0.61	2.45	-1.84
TOTALS	172.61	26.71	18.70	287.41	-268.71
SHRINKAGE FACTOR: 30%					
EARTH EXCAVATION:					
COLUMN 1,2,3,4 & 5 - LOCATION AND QUANTITIES FROM CROSS SECTIONS					
CUT = EARTH EXCAVATION, FILL = EMBANKMENT					
COLUMN 6 = COLUMN 4 - COLUMN 5					
PAY ITEMS			PAY ITEMS:		
COLUMN 2 IS			EARTH EXCAVA`		
COLUMN 5 IS			FURNISHED EXC		
			175 CU YD		
			270 CU YD		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
SCHEDULE OF QUANTITIES**

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

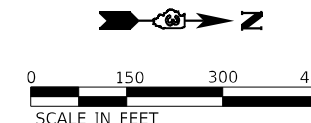
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	12
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				

BENCHMARKS

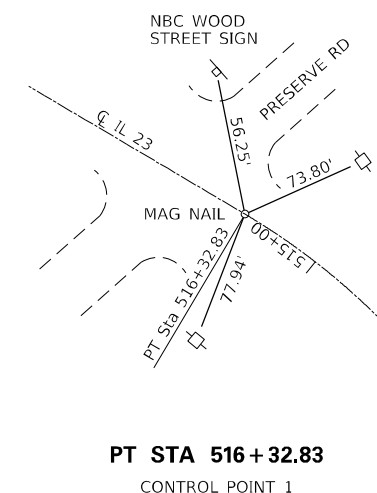
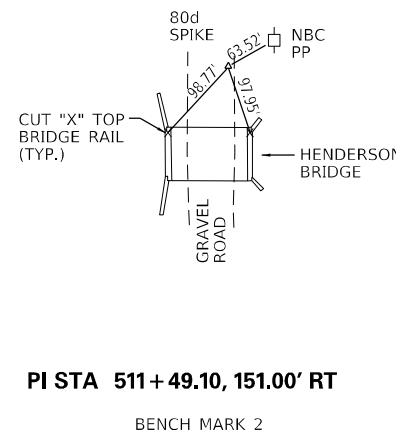
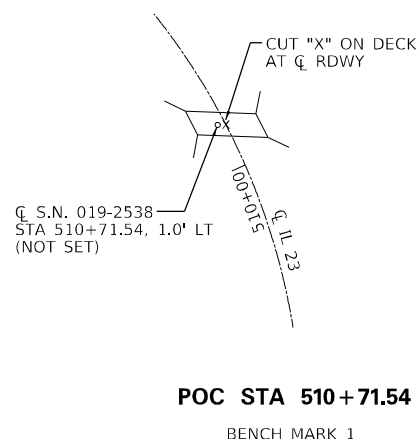
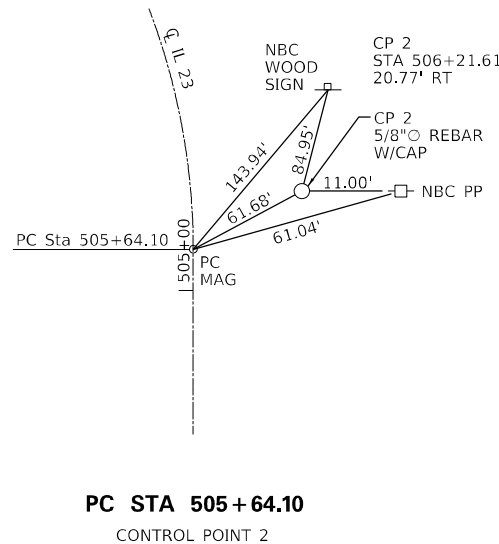
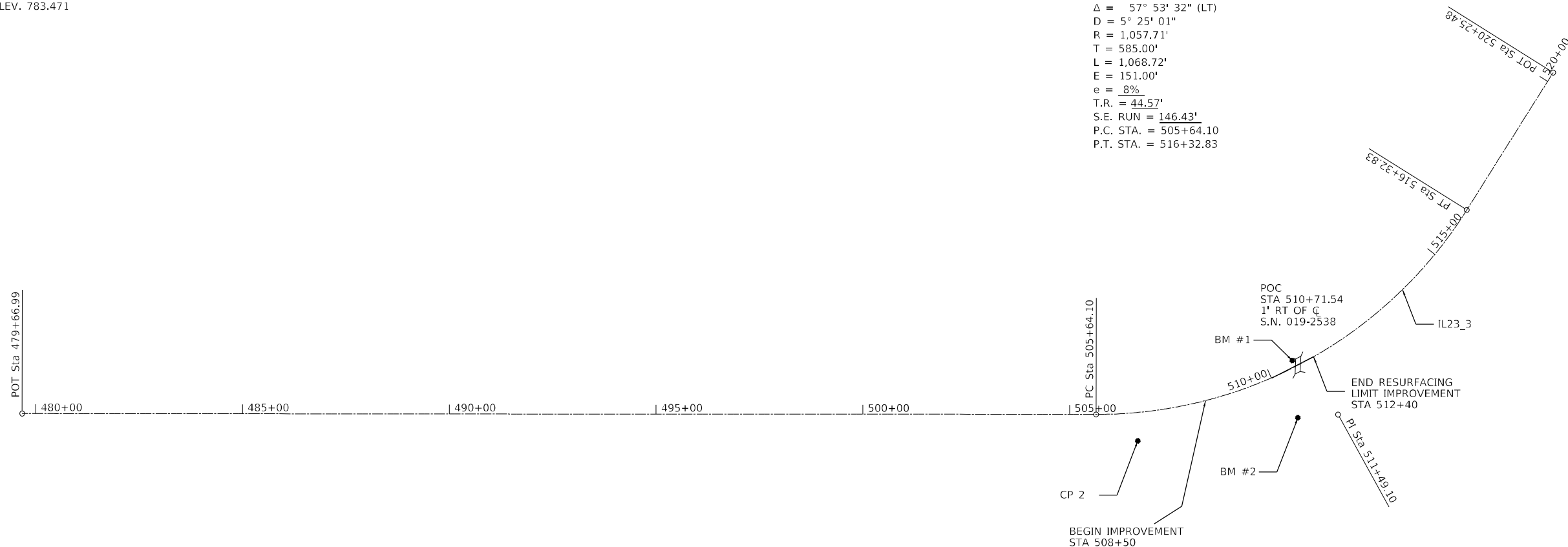
- BM #1 CUT "□" TOP S.W. WING
S.N. 019-2538
STA. 510+64.40, 16.31' LT
ELEV. 784.247
- BM #2 CUT "□" TOP N.E. WING OF HENDERSON
BRIDGE (ON SIDEROAD E. OF S.N. 019-2538)
STA. 510+18.16, 114.10' RT
ELEV. 783.471

ALIGNMENT COORDINATES - IL RT 23

	STATION	NORTHING	EASTING
POT	479+66.99	1,852,463.7585	870,715.8668
PC	505+64.10	1,855,060.8717	870,717.8501
PI	511+49.10	1,855,645.8715	870,718.2968
PT	516+32.83	1,855,957.1849	870,226.0101
POT	520+25.48	1,856,166.1405	869,890.5705



EXIST. CURVE IL23_3
 PI STA. = 511+49.10
 $\Delta = 57^\circ 53' 32''$ (LT)
 $D = 5^\circ 25' 01''$
 $R = 1,057.71'$
 $T = 585.00'$
 $L = 1,068.72'$
 $E = 151.00'$
 $e = .8\%$
 $T.R. = 44.57'$
 $S.E. RUN = 146.43'$
 $P.C. STA. = 505+64.10$
 $P.T. STA. = 516+32.83$



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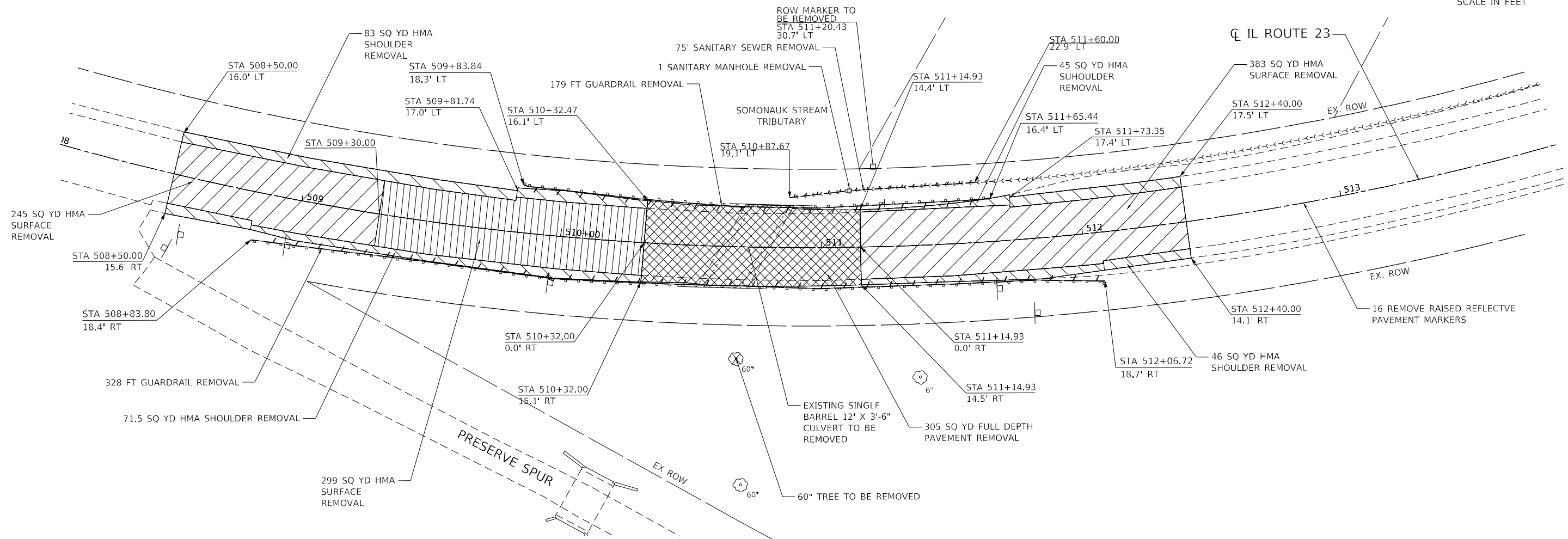
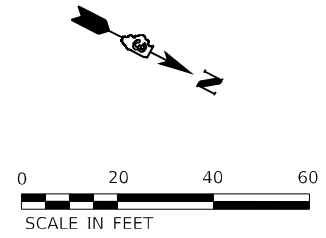
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PLOT DATE = 10/2/2023	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
ALIGNMENT, TIES & BENCHMARKS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	13
			CONTRACT NO. 66L53	
ILLINOIS FED. AID PROJECT				



LEGEND:

- HMA SURFACE REMOVAL 1 3/4"
- HMA SURFACE REMOVAL, VARIABLE DEPTH (0.75" - 3.75")
- FULL DEPTH PAVEMENT REMOVAL (PCC+HMA AND PCC)
- HMA SHOULDER REMOVAL
- TREE REMOVAL
- LINEAR REMOVAL (GUARDRAIL, SANITARY SEWER)

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DRAWN - CC	REVISOR -	
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PLOT DATE = 10/16/2023	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
REMOVAL PLAN**

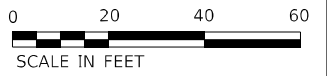
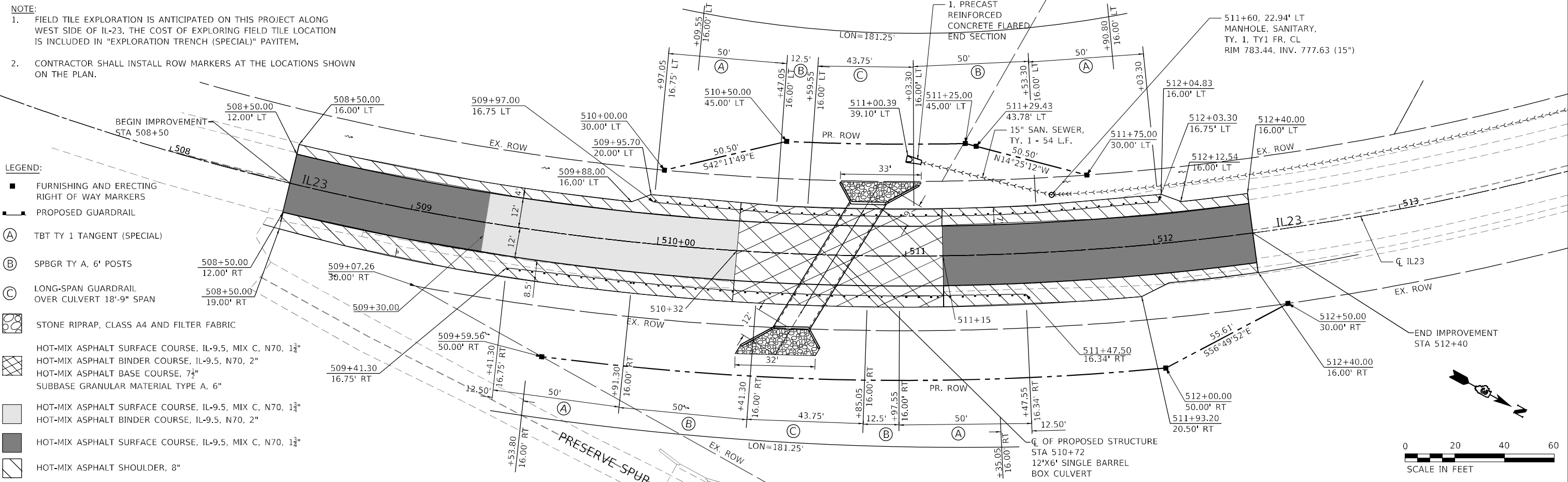
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 508+05.00 TO STA. 513+85.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	14
			CONTRACT NO. 66L53	
ILLINOIS FED. AID PROJECT				

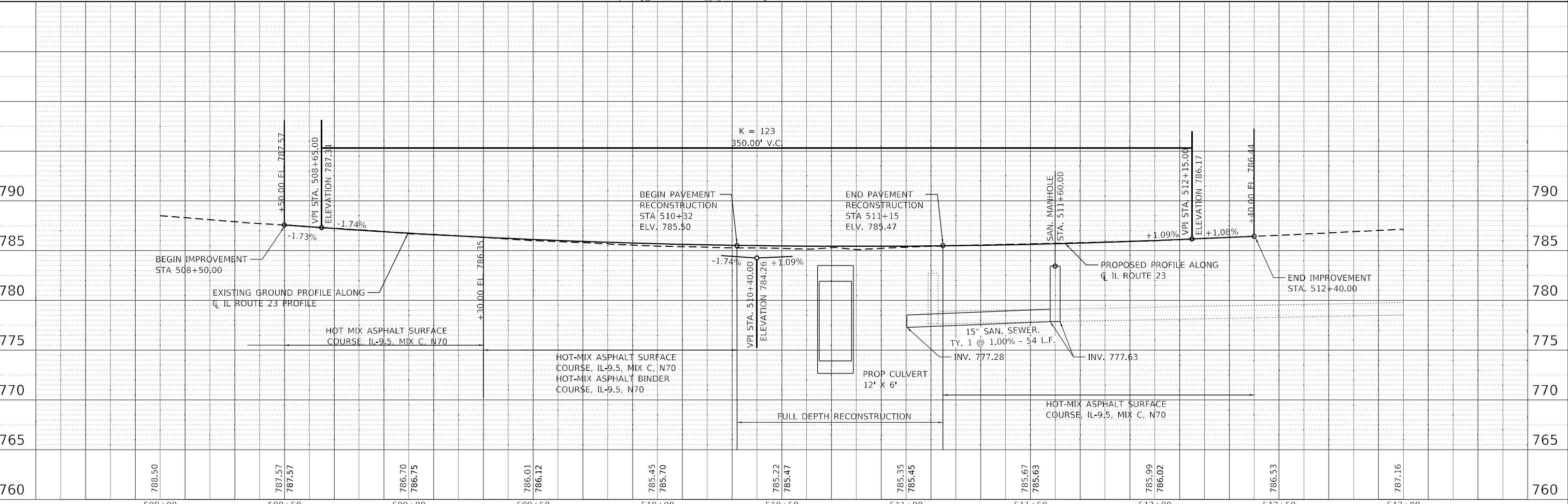
NOTE:
 1. FIELD TILE EXPLORATION IS ANTICIPATED ON THIS PROJECT ALONG WEST SIDE OF IL-23. THE COST OF EXPLORING FIELD TILE LOCATION IS INCLUDED IN "EXPLORATION TRENCH (SPECIAL)" PAYITEM.
 2. CONTRACTOR SHALL INSTALL ROW MARKERS AT THE LOCATIONS SHOWN ON THE PLAN.

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- LEGEND:
- FURNISHING AND ERECTING RIGHT OF WAY MARKERS
 - PROPOSED GUARDRAIL
 - (A) TBT TY 1 TANGENT (SPECIAL)
 - (B) SPBGR TY A, 6' POSTS
 - (C) LONG-SPAN GUARDRAIL OVER CULVERT 18'-9" SPAN
 - STONE RIPRAP, CLASS A4 AND FILTER FABRIC
 - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX C, N70, 1 1/4"
 - HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
 - HOT-MIX ASPHALT BASE COURSE, 7 1/2"
 - SUBBASE GRANULAR MATERIAL TYPE A, 6"
 - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX C, N70, 1 1/4"
 - HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
 - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX C, N70, 1 1/4"
 - HOT-MIX ASPHALT SHOULDER, 8"



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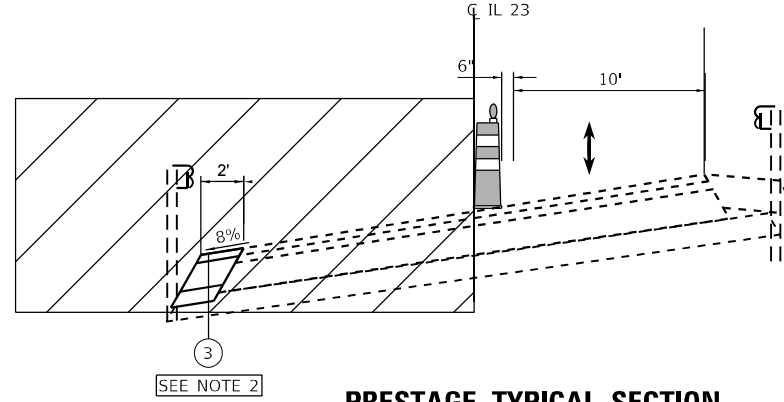
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 23
PROPOSED PLAN & PROFILE

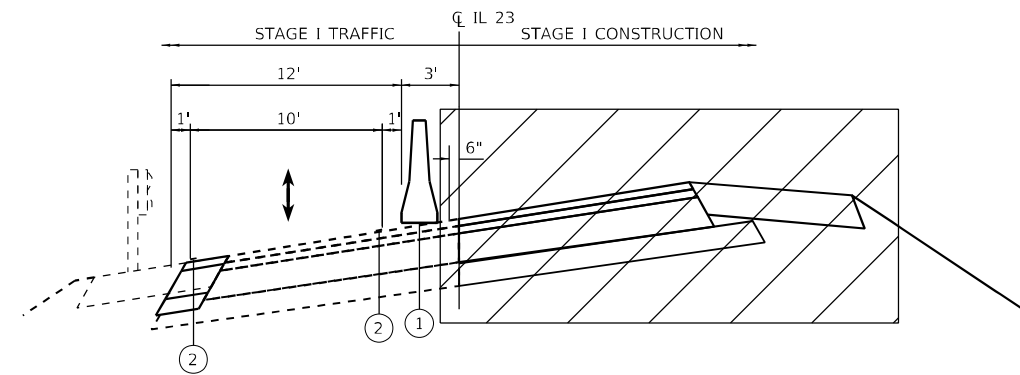
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F.A.P. RTE. 68	SECTION 30CR-2538	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 15
				CONTRACT NO. 66L53
ILLINOIS FED. AID PROJECT				



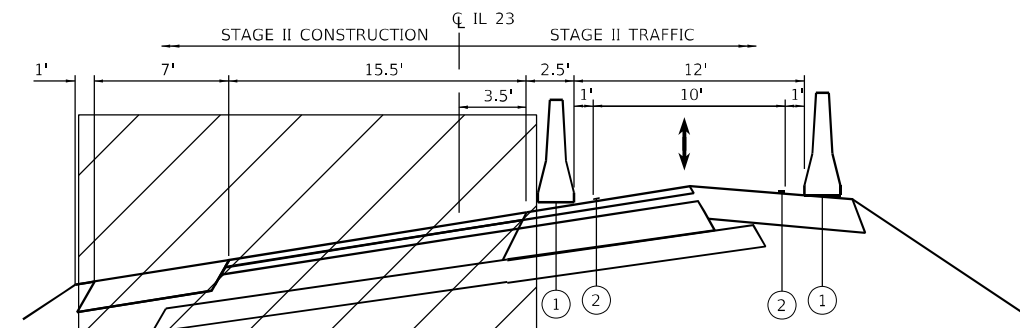
PRESTAGE TYPICAL SECTION

STA 505+04 TO STA 515+65



STAGE I TYPICAL SECTION





STA 505+04 TO STA 515+65



STAGE II TYPICAL SECTION

STA 505+04 TO STA 515+65

LEGEND:

-  WORK AREA
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY PAVEMENT MARKING 4" SOLID
-  TEMPORARY PAVEMENT

NOTES:

1. REFER TO SHEET NO. 33 FOR INSTALLATION OF TEMPORARY SOIL RETENTION SYSTEM.
2. TEMPORARY PAVEMENT CONSISTS OF:
 - HMA SURFACE COURSE, MIX C N70 2"
 - HMA BINDER COURSE, IL 19.0, N70, 7"
 - SUB BASE GRANULAR MATERIAL, TYPE A, 4"

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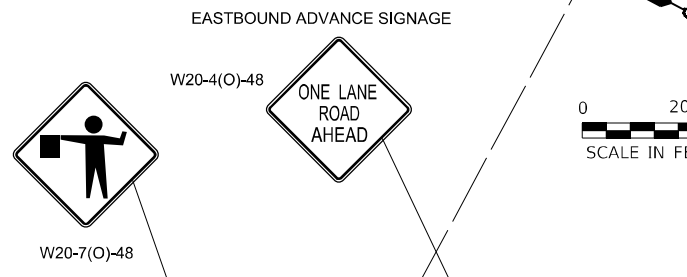
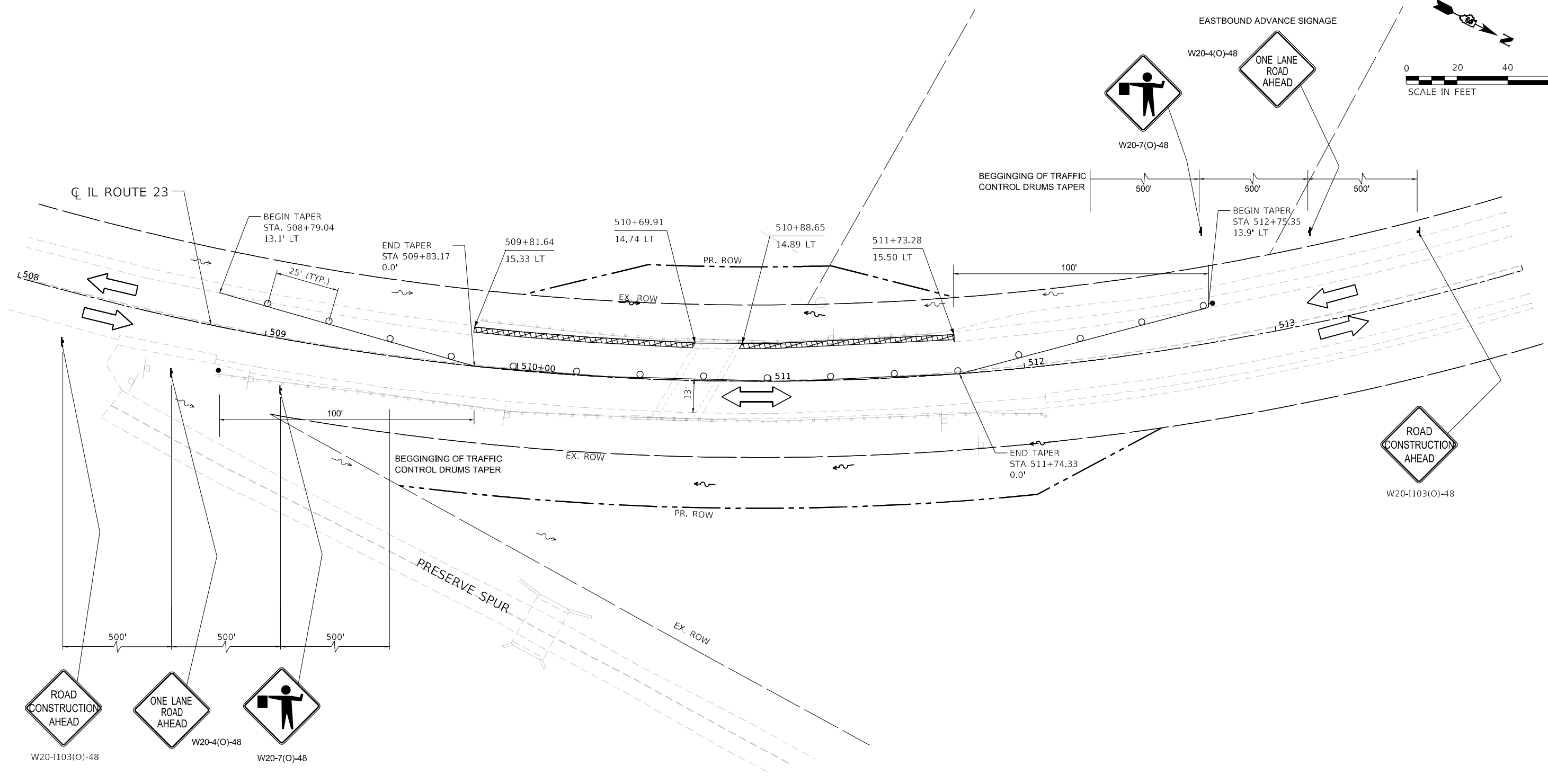
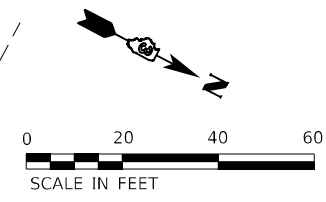
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
MAINTENANCE OF TRAFFIC TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	16
				CONTRACT NO. 66L53
ILLINOIS FED. AID PROJECT				



WESTBOUND ADVANCE SIGNAGE

- LEGEND**
- TEMPORARY PAVEMENT
 - SIGN
 - TRAFFIC DIRECTION
 - FLAGGER WITH TRAFFIC CONTROL SIGN
 - DRUM

PRESTAGE TRAFFIC:
 1. INSTALL ALL TEMPORARY TRAFFIC CONTROL ITEMS REQUIRED FOR PRESTAGE TRAFFIC AND ADVANCE SIGNS. FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701201.

PRESTAGE CONSTRUCTION:
 1. CONSTRUCT 2 FEET TEMPORARY PAVEMENT WIDENING FROM STATION 509+80 LT TO 511+75 LT

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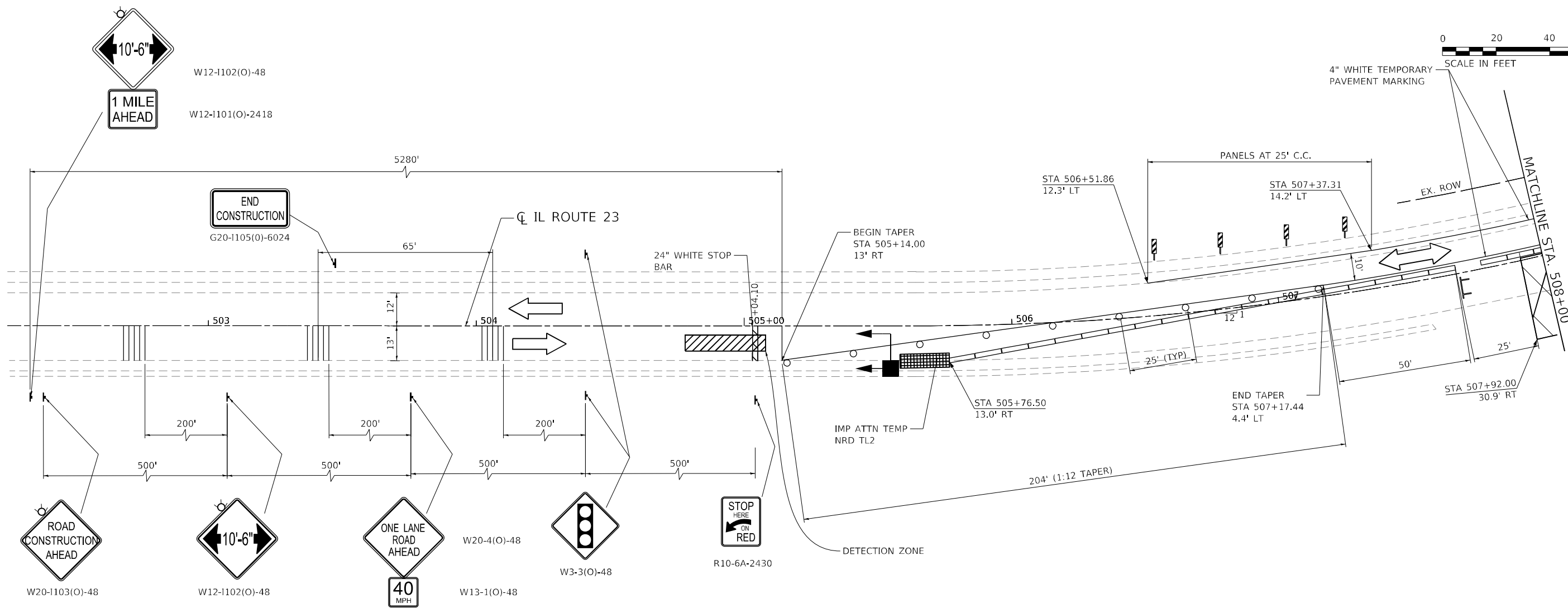


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 MAINTENANCE OF TRAFFIC - PRESTAGE			
SCALE: 1"=20'	SHEET 1	OF 1 SHEETS	STA. 508+00 TO STA. 514+00

F.A.P. RTE. 68	SECTION 30CR-2538	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66L53	



STAGE 1 TRAFFIC:

1. ACTIVATE TEMPORARY TRAFFIC SIGNALS TO ALLOW ONLY ONE WAY TRAFFIC THROUGH PROJECT LIMITS. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701201 OR 701206.
2. INSTALL ALL TEMPORARY TRAFFIC CONTROL ITEMS REQUIRED FOR STAGE 1 TRAFFIC AND ADVANCE SIGNS.
3. REMOVE ALL PAVEMENT MARKINGS AND COVER ANY EXISTING SIGNS THAT CONFLICT WITH STAGE 1 TRAFFIC.

STAGE 1 CONSTRUCTION:

1. REMOVE EXISTING GUARDRAIL AND ANY ROADSIDE ITEMS THAT CONFLICT WITH PROPOSED IMPROVEMENTS WITHIN STAGE 1 WORK ZONE.
2. REMOVE EXISTING PAVEMENT FOR CONSTRUCTION OF CULVERT WITHIN STAGE 1 WORK ZONE.
3. REMOVE EXISTING CULVERT, HEADWALL AND WINGWALLS WITHIN STAGE 1 WORK ZONE.
4. CONSTRUCT PROPOSED BOX CULVERT AND ANY ASSOCIATED ITEMS.
5. CONSTRUCT NEW PAVEMENT, SHOULDERS AND REGRADE SLOPES AND DITCHES ADJACENT TO ROADWAY WORK.
6. MILL & OVERLAY REMAINING PAVEMENT WITHIN STAGE 1 WORK ZONE UTILIZING IDOT STANDARDS 701311 (LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY).

LEGEND

- TEMPORARY IMPACT ATTENUATOR
- WORK ZONE
- DETECTION ZONE
- SIGN
- TRAFFIC DIRECTION
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANELS
- TYPE III BARRICADE W/ FLASHING LIGHTS
- TEMPORARY RUMBLE STRIPS
- DRUM W/ STEADY BURNING BI-DIRECTIONAL LIGHT AND EDGE LINE
- FLASHING MONO DIRECTIONAL LIGHT

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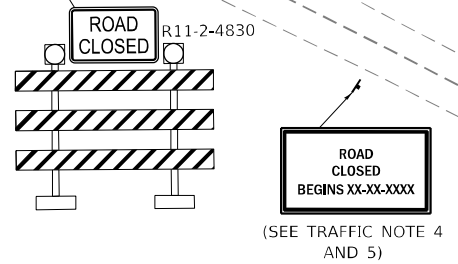
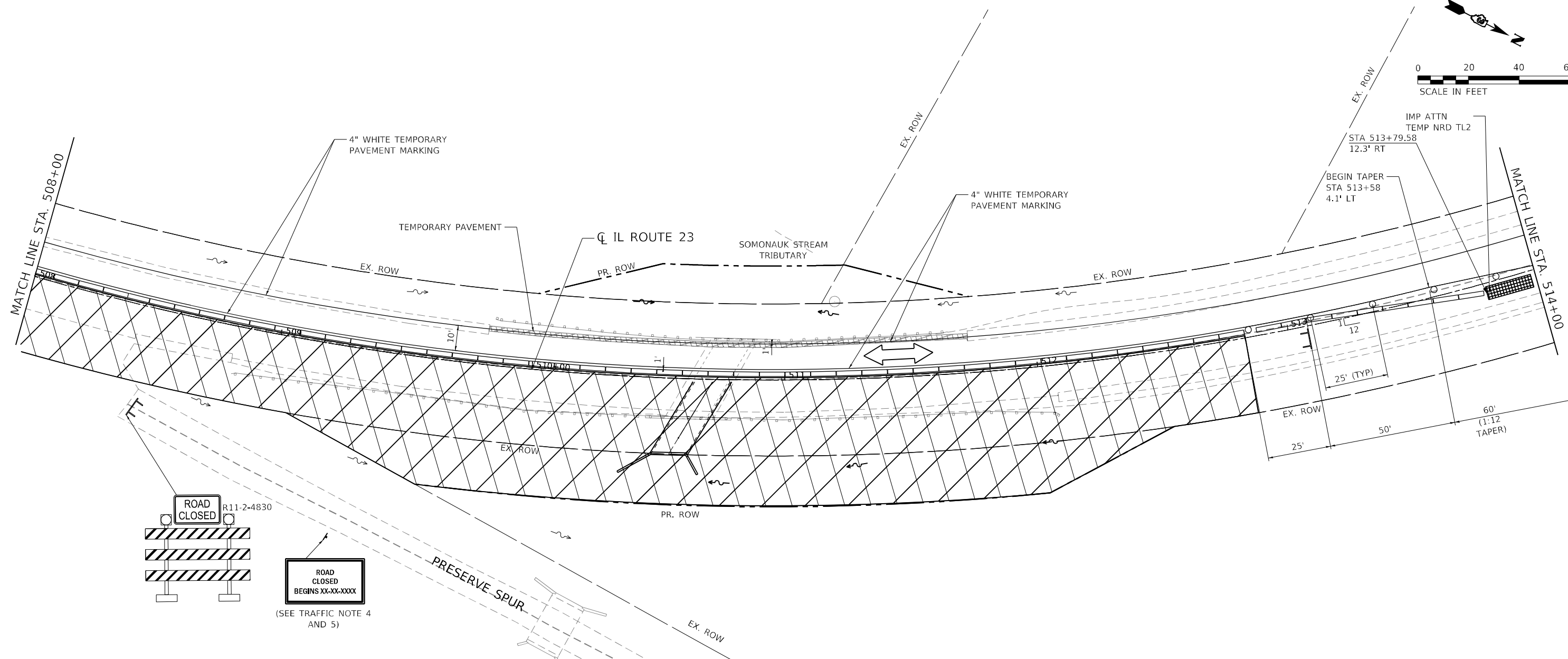
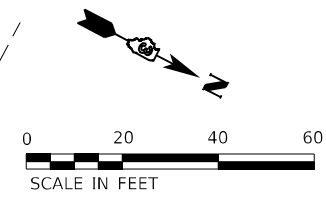


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 MAINTENANCE OF TRAFFIC - STAGE 1		
SCALE: 1"=20'	SHEET 1 OF 3 SHEETS	STA. 502+75 TO STA. 508+00

F.A.P. RTE. 68	SECTION 30CR-2538	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 18
CONTRACT NO. 66L53			ILLINOIS FED. AID PROJECT	



LEGEND

- TEMPORARY IMPACT ATTENUATOR
- WORK ZONE
- DETECTION ZONE
- SIGN
- TRAFFIC DIRECTION
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANELS
- TYPE III BARRICADE W/ FLASHING LIGHTS
- TEMPORARY RUMBLE STRIPS
- DRUM W/ STEADY BURNING BI-DIRECTIONAL LIGHT AND EDGE LINE
- FLASHING MONO DIRECTIONAL LIGHT

STAGE 1 TRAFFIC:

1. ACTIVATE TEMPORARY TRAFFIC SIGNALS TO ALLOW ONLY ONE WAY TRAFFIC THROUGH PROJECT LIMITS. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701201 OR 701206.
2. INSTALL ALL TEMPORARY TRAFFIC CONTROL ITEMS REQUIRED FOR STAGE 1 TRAFFIC AND ADVANCE SIGNS.
3. REMOVE ALL PAVEMENT MARKINGS AND COVER ANY EXISTING SIGNS THAT CONFLICT WITH STAGE 1 TRAFFIC.
4. REFER TO SHEET NO. 51 FOR TEMPORARY INFORMATION SIGNING DETAIL.
5. INSTALL ROAD CLOSED SIGN A MINIMUM OF ONE WEEK PRIOR TO CLOSING PRESERVE SPUR ROAD TO TRAFFIC.

STAGE 1 CONSTRUCTION:

1. REMOVE EXISTING GUARDRAIL AND ANY ROADSIDE ITEMS THAT CONFLICT WITH PROPOSED IMPROVEMENTS WITHIN STAGE 1 WORK ZONE.
2. REMOVE EXISTING PAVEMENT FOR CONSTRUCTION OF CULVERT WITHIN STAGE 1 WORK ZONE.
3. REMOVE EXISTING CULVERT, HEADWALL AND WINGWALLS WITHIN STAGE 1 WORK ZONE.
4. CONSTRUCT PROPOSED BOX CULVERT AND ANY ASSOCIATED ITEMS.
5. CONSTRUCT NEW PAVEMENT, SHOULDERS AND REGRADE SLOPES AND DITCHES ADJACENT TO ROADWAY WORK.
6. MILL & OVERLAY REMAINING PAVEMENT WITHIN STAGE 1 WORK ZONE UTILIZING IDOT STANDARDS 701311 (LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY).

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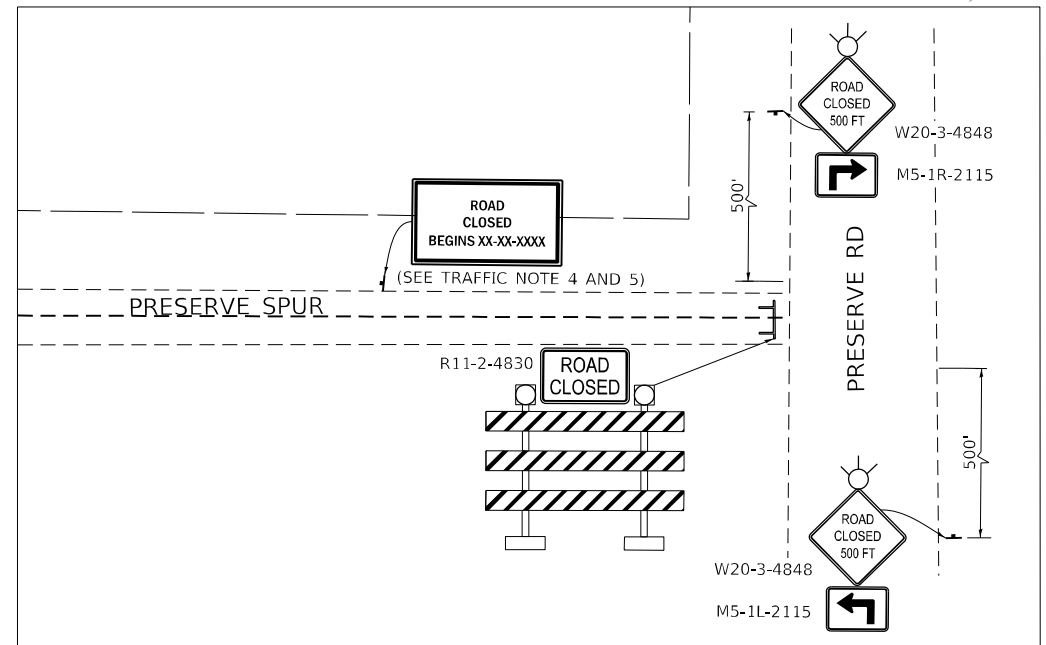
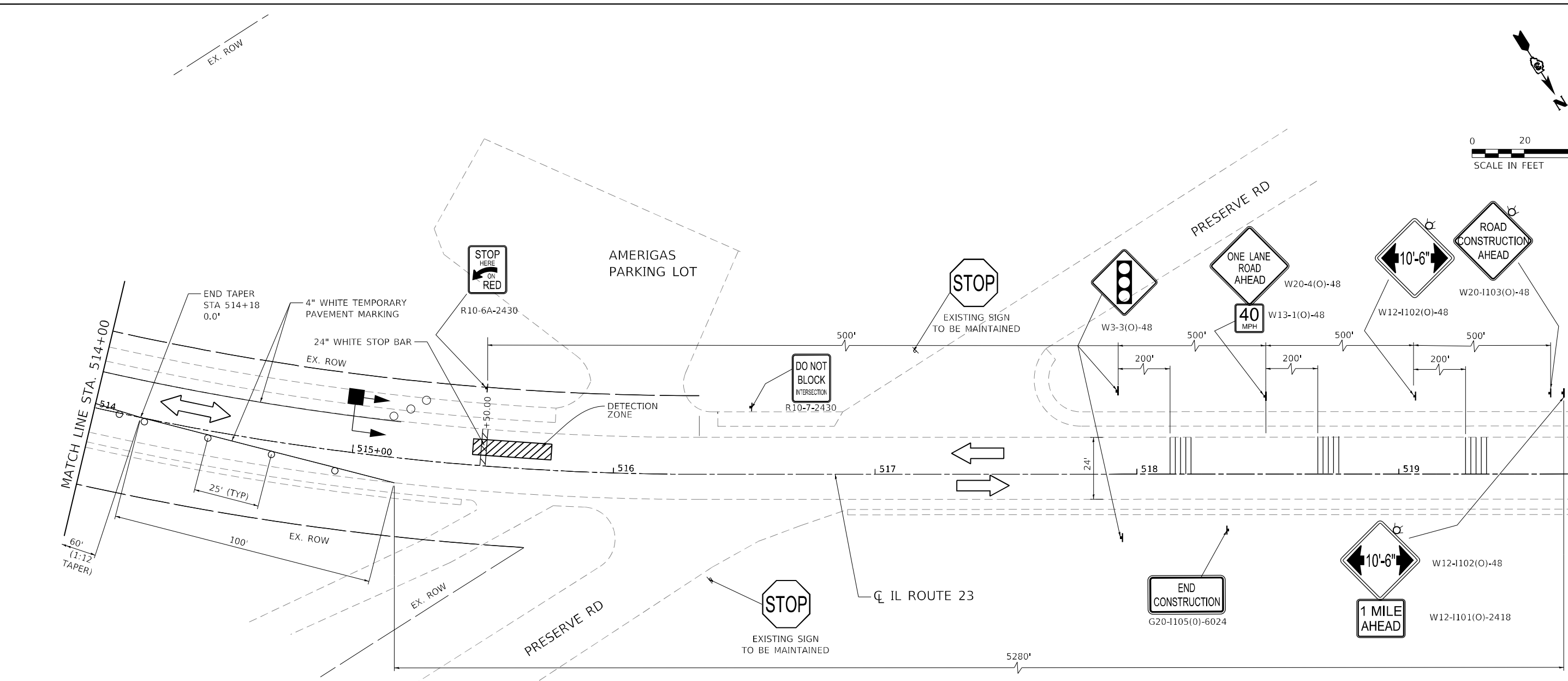
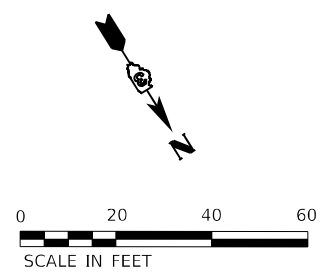


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 MAINTENANCE OF TRAFFIC - STAGE 1	
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS STA. 508+00 TO STA. 514+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	19
			CONTRACT NO. 66L53	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TEMPORARY IMPACT ATTENUATOR
 - WORK ZONE
 - DETECTION ZONE
 - SIGN
 - TRAFFIC DIRECTION
 - TEMPORARY CONCRETE BARRIER
 - DOUBLE VERTICAL PANELS
 - TYPE III BARRICADE W/ FLASHING LIGHTS
 - TEMPORARY RUMBLE STRIPS
 - DRUM W/ STEADY BURNING BI-DIRECTIONAL LIGHT AND EDGE LINE
 - FLASHING MONO DIRECTIONAL LIGHT

- STAGE 1 TRAFFIC:**
1. ACTIVATE TEMPORARY TRAFFIC SIGNALS TO ALLOW ONLY ONE WAY TRAFFIC THROUGH PROJECT LIMITS. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701201 OR 701206.
 2. INSTALL ALL TEMPORARY TRAFFIC CONTROL ITEMS REQUIRED FOR STAGE 1 TRAFFIC AND ADVANCE SIGNS.
 3. REMOVE ALL PAVEMENT MARKINGS AND COVER ANY EXISTING SIGNS THAT CONFLICT WITH STAGE 1 TRAFFIC.
 4. REFER TO SHEET NO. 51 FOR TEMPORARY INFORMATION SIGNING DETAIL.
 5. INSTALL ROAD CLOSED SIGN A MINIMUM OF ONE WEEK PRIOR TO CLOSING PRESERVE SPUR ROAD TO TRAFFIC.

- STAGE 1 CONSTRUCTION:**
1. REMOVE EXISTING GUARDRAIL AND ANY ROADSIDE ITEMS THAT CONFLICT WITH PROPOSED IMPROVEMENTS WITHIN STAGE 1 WORK ZONE.
 2. REMOVE EXISTING PAVEMENT FOR CONSTRUCTION OF CULVERT WITHIN STAGE 1 WORK ZONE.
 3. REMOVE EXISTING CULVERT, HEADWALL AND WINGWALLS WITHIN STAGE 1 WORK ZONE.
 4. CONSTRUCT PROPOSED BOX CULVERT AND ANY ASSOCIATED ITEMS.
 5. CONSTRUCT NEW PAVEMENT, SHOULDERS AND REGRADE SLOPES AND DITCHES ADJACENT TO ROADWAY WORK.
 6. MILL & OVERLAY REMAINING PAVEMENT WITHIN STAGE 1 WORK ZONE UTILIZING IDOT STANDARDS 701311 (LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY).

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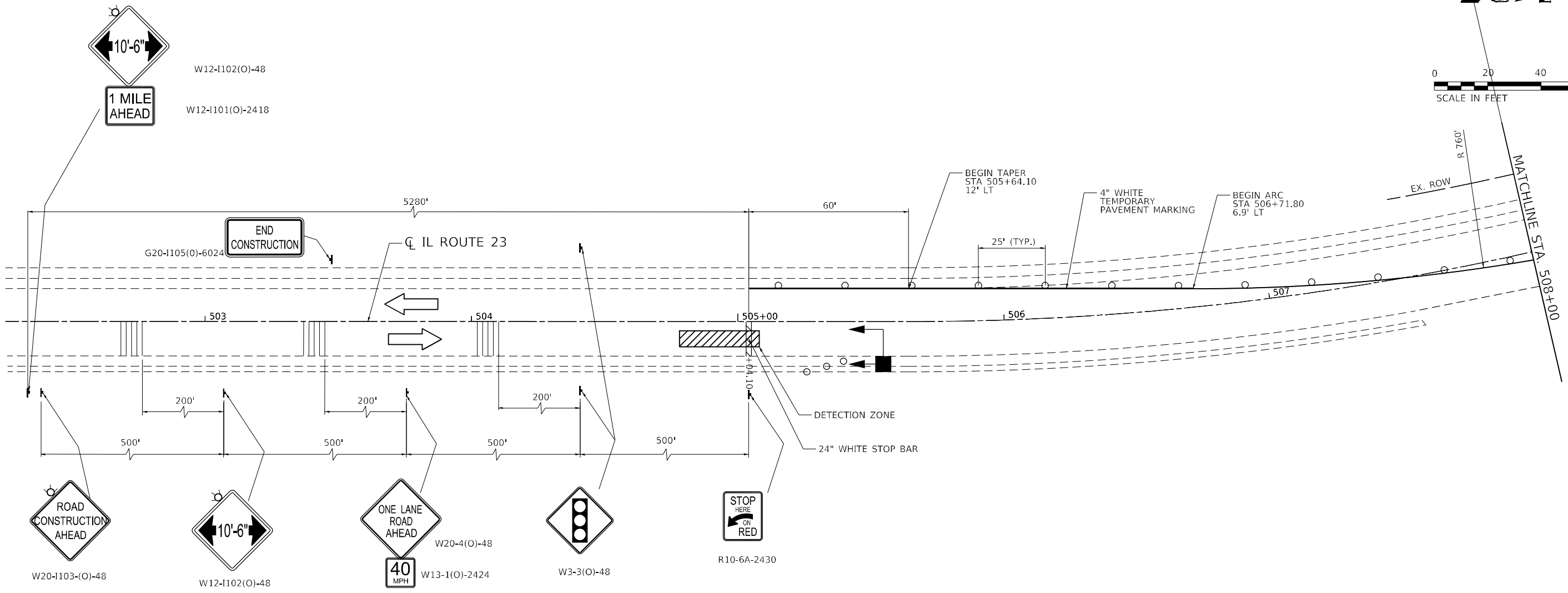
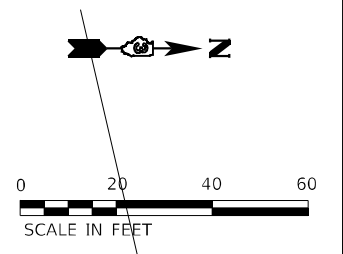


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 MAINTENANCE OF TRAFFIC - STAGE 1			
SCALE: 1"=20'	SHEET 3	OF 3 SHEETS	STA. 514+00 TO STA. 519+65

F.A.P. RTE. 68	SECTION 30CR-2538	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 20
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TEMPORARY IMPACT ATTENUATOR
 - WORK ZONE
 - DETECTION ZONE
 - SIGN
 - TRAFFIC DIRECTION
 - TEMPORARY CONCRETE BARRIER
 - DOUBLE VERTICAL PANELS
 - TYPE III BARRICADE W/ FLASHING LIGHTS
 - TEMPORARY RUMBLE STRIPS
 - DRUM W/ STEADY BURNING BI-DIRECTIONAL LIGHT AND EDGE LINE
 - FLASHING MONO DIRECTIONAL LIGHT

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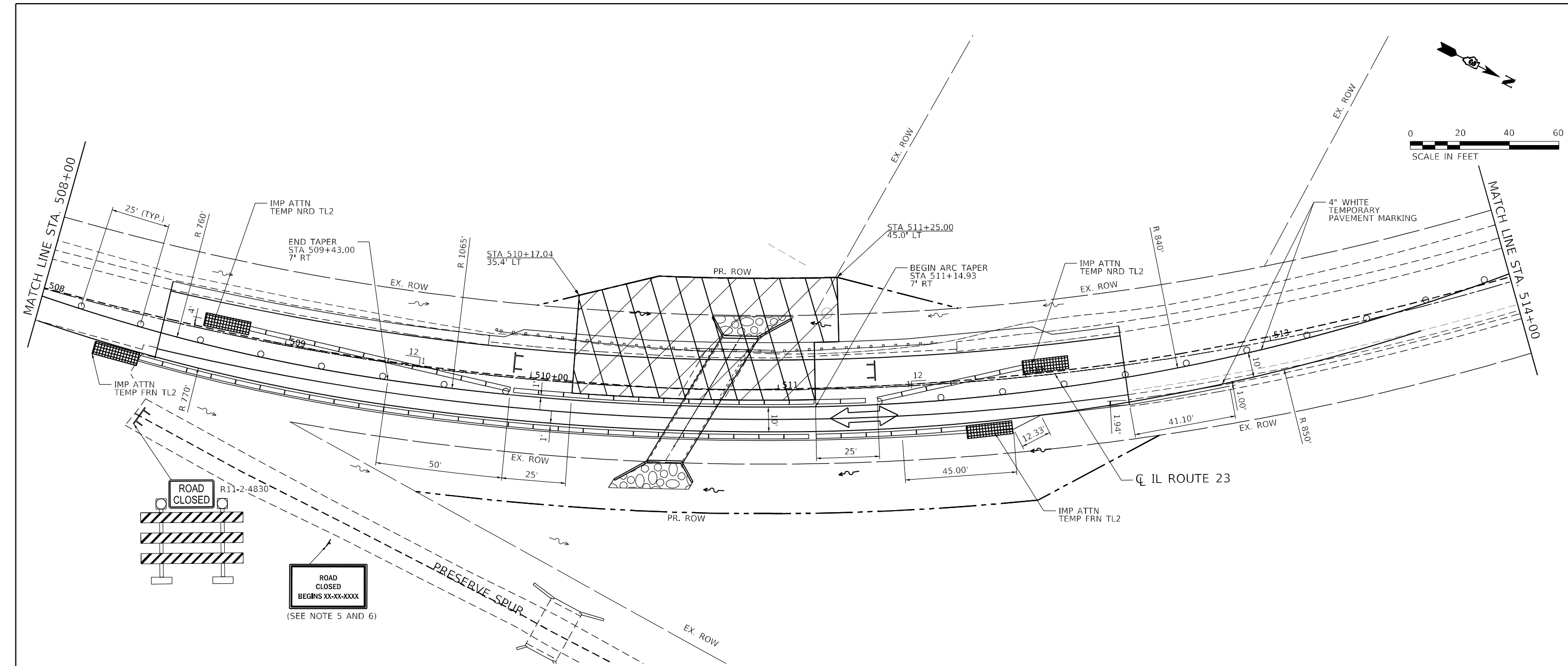
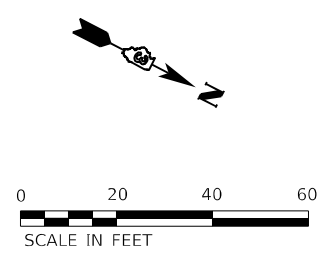
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
MAINTENANCE OF TRAFFIC – STAGE 2**

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 502+75 TO STA. 508+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	21
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TEMPORARY IMPACT ATTENUATOR
 - WORK ZONE
 - DETECTION ZONE
 - SIGN
 - TRAFFIC DIRECTION
 - TEMPORARY CONCRETE BARRIER
 - DOUBLE VERTICAL PANELS
 - TYPE III BARRICADE W/ FLASHING LIGHTS
 - TEMPORARY RUMBLE STRIPS
 - DRUM W/ STEADY BURNING BI-DIRECTIONAL LIGHT AND EDGE LINE
 - FLASHING MONO DIRECTIONAL LIGHT

- NOTES:**
1. STAGE II TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701321 (LANE CLOSURE - 2L, 2W, BRIDGE REPAIR WITH BARRIER), UNLESS OTHERWISE NOTED.
 2. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS REQUIRED FOR STAGE II INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
 3. TYPE III BARRICADES TO BE PLACED AS SHOWN WHEN NO WORK IS BEING PERFORMED.
 4. THE EDGE OF THE TEMPORARY SIGNAL HEAD SHALL BE BETWEEN 2 FEET AND 6 FEET FROM EDGE OF SHOULDER.
 5. REFER TO SHEET NO. 51 FOR TEMPORARY INFORMATION SIGNING DETAIL.
 6. INSTALL ROAD CLOSED SIGN A MINIMUM OF ONE WEEK PRIOR TO CLOSING PRESERVE SPUR ROAD TO TRAFFIC.

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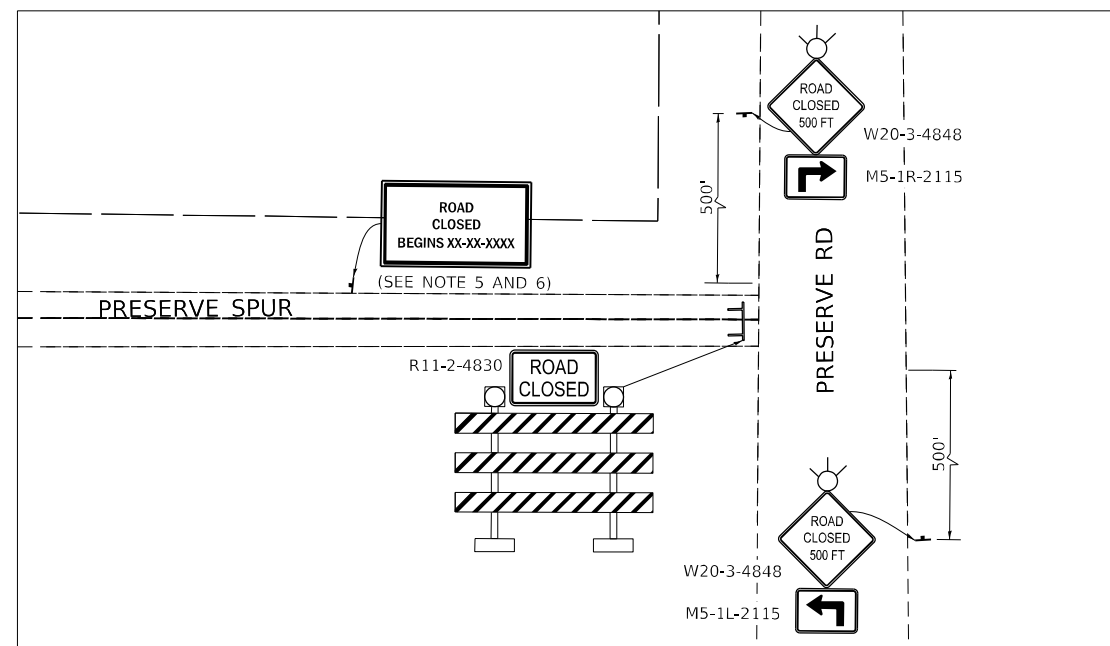
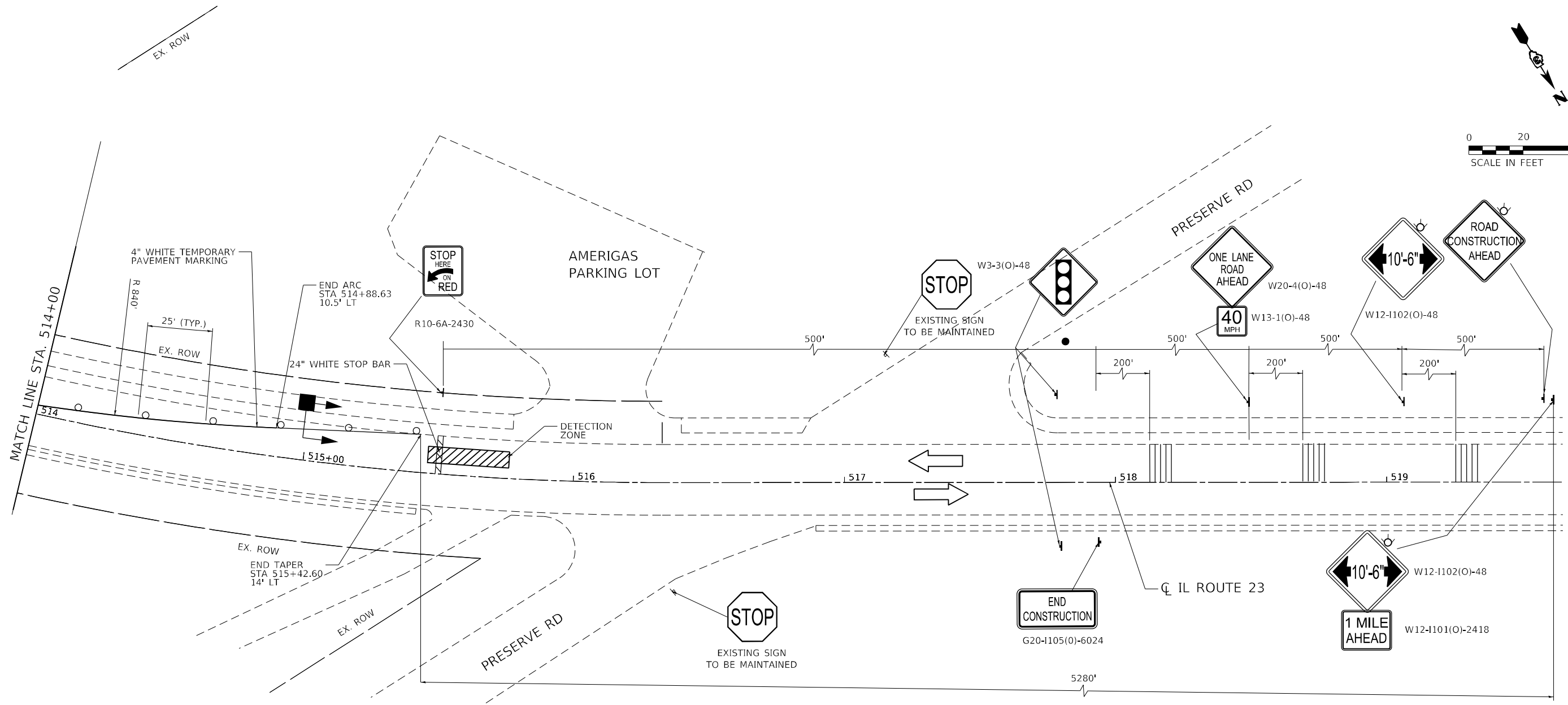


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 MAINTENANCE OF TRAFFIC - STAGE 2			
SCALE: 1"=20'	SHEET 2	OF 3 SHEETS	STA. 508+00 TO STA. 514+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	22
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				



NOTES:

1. STAGE II TRAFFIC CONTROL SHALL CONFORM TO IDOT STANDARD 701321 (LANE CLOSURE . 2L, 2W, BRIDGE REPAIR WITH BARRIER), UNLESS OTHERWISE NOTED.
2. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS REQUIRED FOR STAGE II INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
3. TYPE III BARRICADES TO BE PLACED AS SHOWN WHEN NO WORK IS BEING PERFORMED.
4. THE EDGE OF THE TEMPORARY SIGNAL HEAD SHALL BE BETWEEN 2 FEET AND 6 FEET FROM EDGE OF SHOULDER.
5. REFER TO SHEET NO. 51 FOR TEMPORARY INFORMATION SIGNING DETAIL.
6. INSTALL ROAD CLOSED SIGN A MINIMUM OF ONE WEEK PRIOR TO CLOSING PRESERVE SPUR ROAD TO TRAFFIC.

LEGEND

- TEMPORARY IMPACT ATTENUATOR
- WORK ZONE
- DETECTION ZONE
- SIGN
- TRAFFIC DIRECTION
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANELS
- TYPE III BARRICADE W/ FLASHING LIGHTS
- TEMPORARY RUMBLE STRIPS
- DRUM W/ STEADY BURNING BI-DIRECTIONAL LIGHT AND EDGE LINE
- FLASHING MONO DIRECTIONAL LIGHT
- AMBER FLASHER

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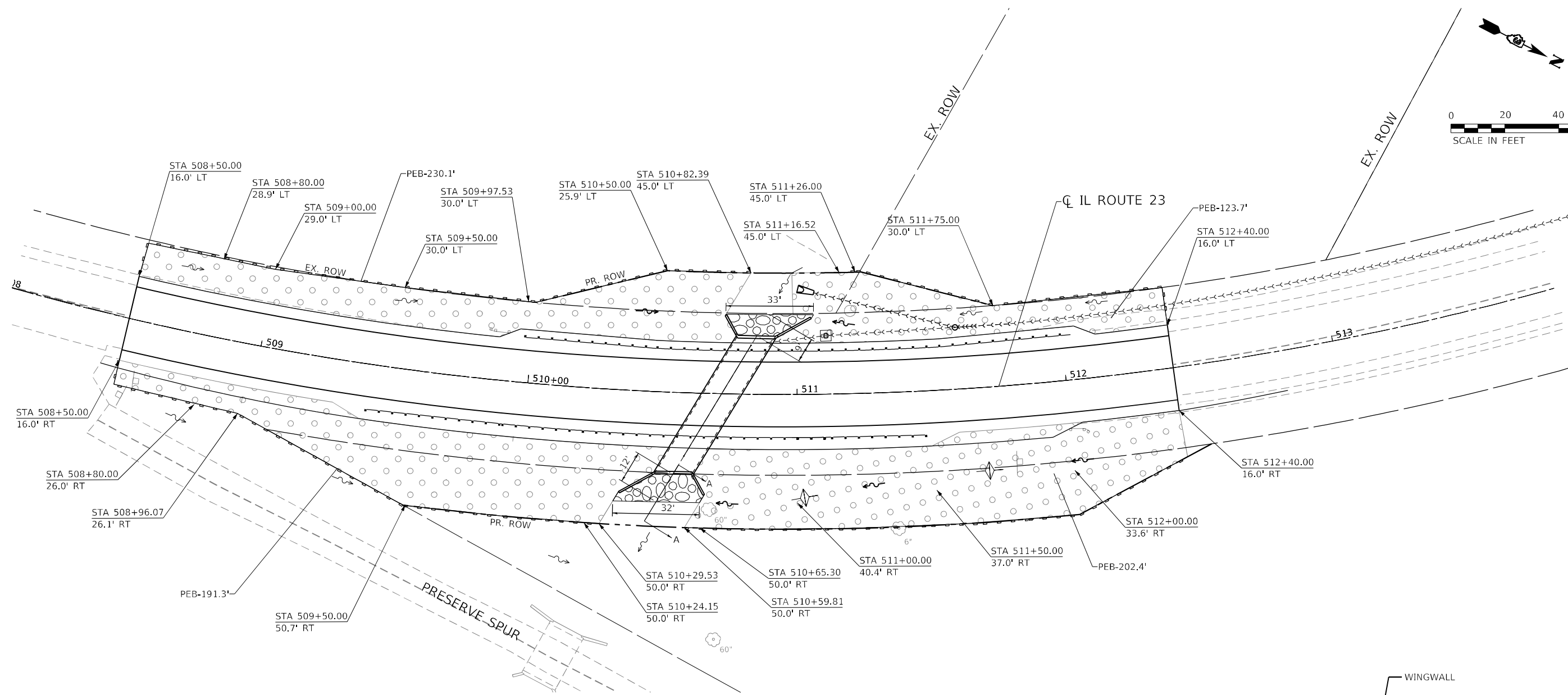
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	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
MAINTENANCE OF TRAFFIC - STAGE 2**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 514+00 TO STA. 519+65






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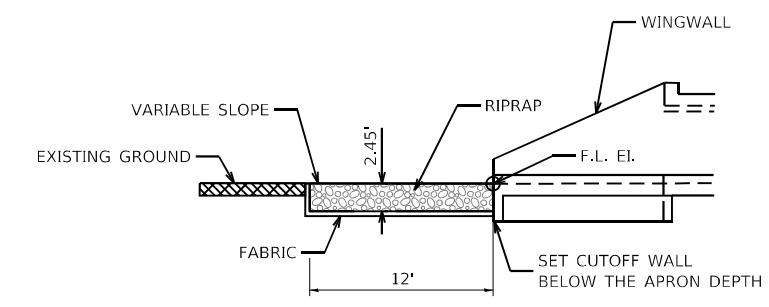


NOTES:

1. ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE CONSTRUCTED WITHIN THE EXISTING RIGHT-OF-WAY OR PROPOSED RIGHT-OF-WAY.
2. ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH 1/2" OR GREATER RAIN EVENT.
3. ALL TEMPORARY DITCH CHECKS SHALL BE PLACED AT 100' UNLESS OTHERWISE NOTED.
4. 'TEMPORARY EROSION CONTROL SEEDING' WILL BE PLACED ON ALL ERODIABLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS.

LEGEND:

-  STONE RIPRAP, CLASS A4 & FILTER FABRIC
-  TEMPORARY EROSION CONTROL SEEDING, EROSION CONTROL BLANKET & SEEDING, CLASS 2A
-  PERIMETER EROSION BARRIER (PEB)
-  DITCH CHECK
-  DITCH FLOW



**RIPRAP APRON AT BOX CULVERT OUTLET
SECTION A-A**

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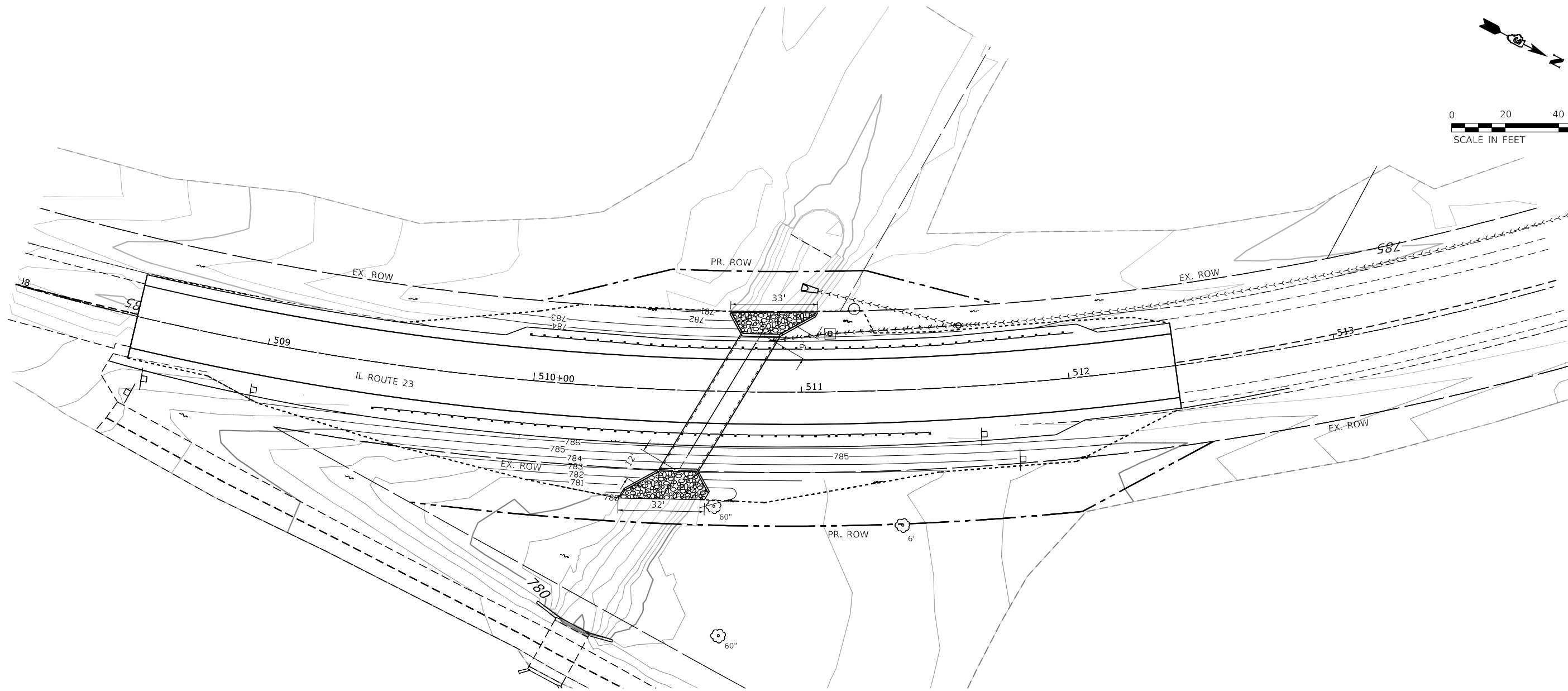
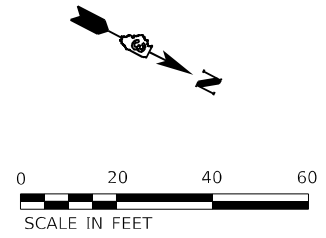
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DRAWN - CC	REVISED -	
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PLOT DATE = 10/2/2023	DATE - 10/02/2023	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 23
EROSION & SEDIMENT CONTROL PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 508+05.00 TO STA. 513+85.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	24
			CONTRACT NO. 66L53	
ILLINOIS FED. AID PROJECT				



LEGEND:
 STONE RIPRAP, CLASS A4 & FILTER FABRIC

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DRAWN - CC	REVISIONS -	
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PLOT DATE = 10/2/2023	DATE - 10/02/2023	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 23 PROPOSED GRADING PLAN			
SCALE: 1"=20'	SHEET 1	OF 1	SHEETS
STA. 508+05.00		TO STA. 513+85.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	25
				CONTRACT NO. 66L53
ILLINOIS FED. AID PROJECT				

PART OF NORTHWEST 1/4 OF SEC. 23, T. 38 N., R. 4 E., 3RD P.M.



N.W. COR. OF SEC. 23, T. 38 N., R. 4 E., 3RD P.M.
 MONUMENT RECORD # 2022011743
 FOUND 3/4" I.P.
 NORTHING: 1,855,980.791
 EASTING: 869,410.859
 P.O.C. 3ABA001, 3ABA002 & 3ABA003



N. 1/4 COR. OF SEC. 23,
 T. 38 N., R. 4 E., 3RD P.M.
 MONUMENT RECORD # 2022011743
 FOUND 1/2" REBAR
 NORTHING: 1,855,995.268
 EASTING: 872,078.129

PARCEL 3ABA001

TOTAL HOLDING = 2.500 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.411 AC. +/- (17,901 SQ.FT.)
 AREA IN EXIST. R.O.W. = 0.273 AC. +/- (11,881 SQ.FT.)
 NET AREA REQUIRED = 0.138 AC. +/- (6,020 SQ.FT.)
 REMAINDER = 2.089 AC. +/-

PARCEL 3ABA002

TOTAL HOLDING = 125.350 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.109 AC. +/- (4,763 SQ. FT.)
 AREA IN EXIST. R.O.W. = 0.075 AC. +/- (3,301 SQ. FT.)
 NET AREA REQUIRED = 0.034 AC. +/- (1,462 SQ. FT.)
 REMAINDER = 125.241 AC. +/-

PARCEL 3ABA003

TOTAL HOLDING = 66.930 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.052 AC. +/- (2,245 SQ. FT.)
 AREA IN EXIST. R.O.W. = 0.043 AC. +/- (1,875 SQ. FT.)
 NET AREA REQUIRED = 0.009 AC. +/- (370 SQ. FT.)
 REMAINDER = 66.878 AC. +/-

EXIST. CURVE EXCL_IL23_3
 PI STA. = 511+49.10
 $\Delta = 57^\circ 53' 32''$ (LT)
 $D = 5^\circ 25' 01''$
 $R = 1,057.71'$
 $T = 585.00'$
 $L = 1,068.72'$
 $E = 151.00'$
 P.C. STA. = 505+64.10
 P.T. STA. = 516+32.83

	NORTHING	EASTING
PI STA. = 511+49.10	1,855,645.872	870,718.297
P.C. STA. = 505+64.10	1,855,060.872	870,717.850
P.T. STA. = 516+32.83	1,855,957.185	870,223.010

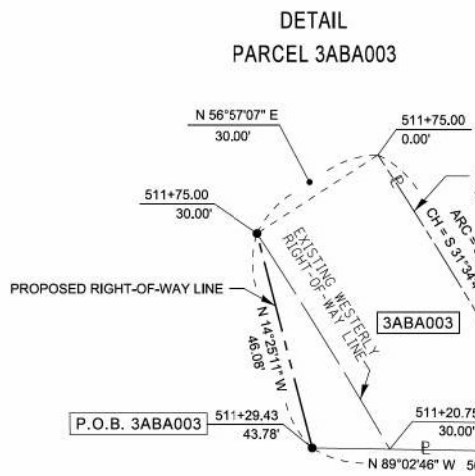
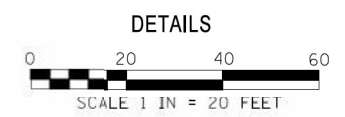
NOTES: BEARINGS ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, (NAD-83, 2011 ADJ.).
 ALL AREAS ARE BASED ON GROUND MEASUREMENTS
 COMBINED FACTOR = 0.9998604
 3/4" REBAR WITH PLASTIC CAP SET AT ALL PROPOSED ROW CORNERS AND PROPERTY CORNERS ON LINE.
 TOTAL HOLDING AREAS TAKEN FROM TAX ASSESSOR

SURVEYOR'S CERTIFICATE

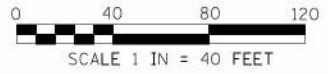
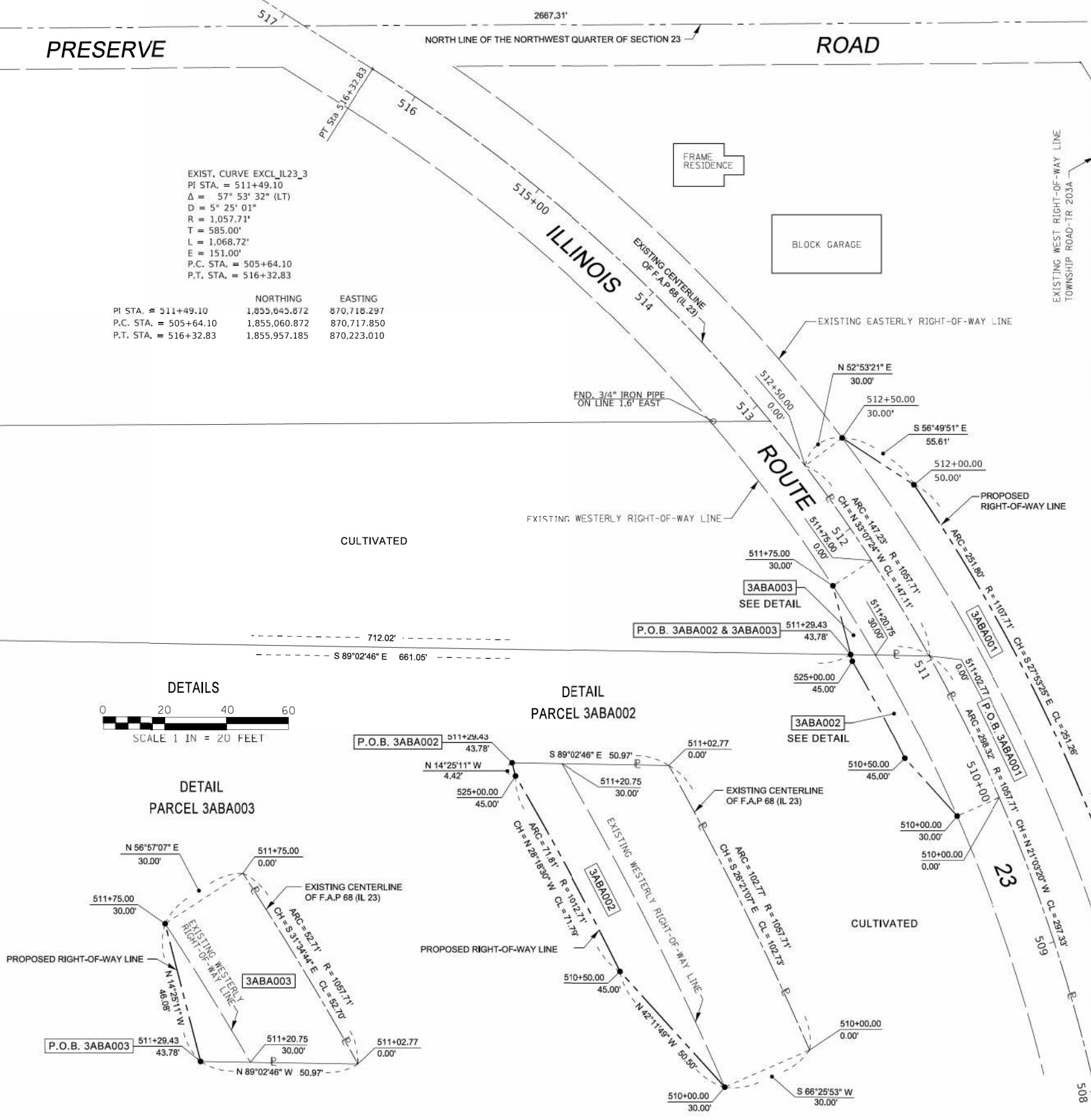
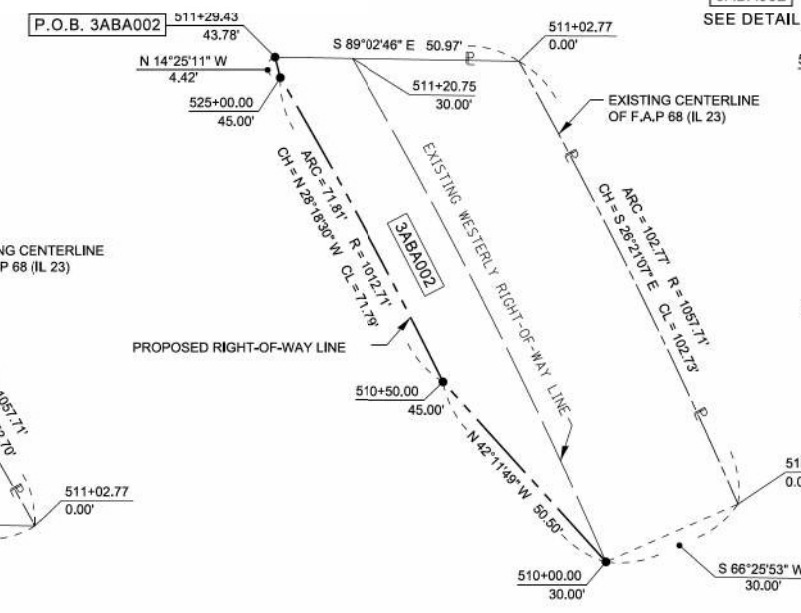
I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 68 (IL 23) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BY: KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2024)
 DATED: _____



DETAIL PARCEL 3ABA002



USER NAME = Keith.Stoddard	DESIGNED - _____	REVISED - ROUTE SECTION 05-02-23
PLOT SCALE = 40,0000' / 1"	DRAWN - KWS	REVISED - _____
PLOT DATE = 5/2/2023	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

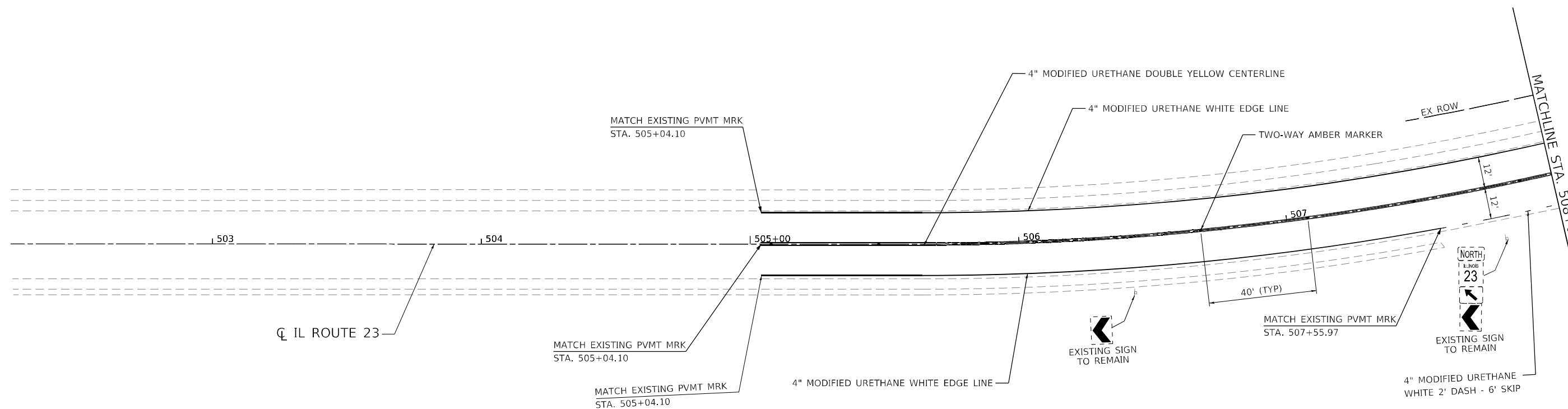
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1"=40' SHEET 1 OF 1 SHEETS STA. 508+04.45 TO STA. 511+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(30CR)ES	DEKALB	52	26
ILLINOIS 23		CONTRACT NO. 66L53		
		ILLINOIS FED. AID PROJECT		

MODEL: Default; FILE NAME: S:\Land Acq\RIGHT OF WAY PLANS\ACTIVITY\05-02-23 IL 23 Just south of Waterman\Everything Else\Drawings\05-02-23 Plat of Highways.dgn



NOTE:

- REFER TO IDOT STANDARD 781001 FOR APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS

SIGN LEGEND:

- PR GROUND MOUNTED SIGN
- EX GROUND MOUNTED SIGN

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DRAWN - CC	REVISIONS -	
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PLOT DATE = 10/2/2023	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

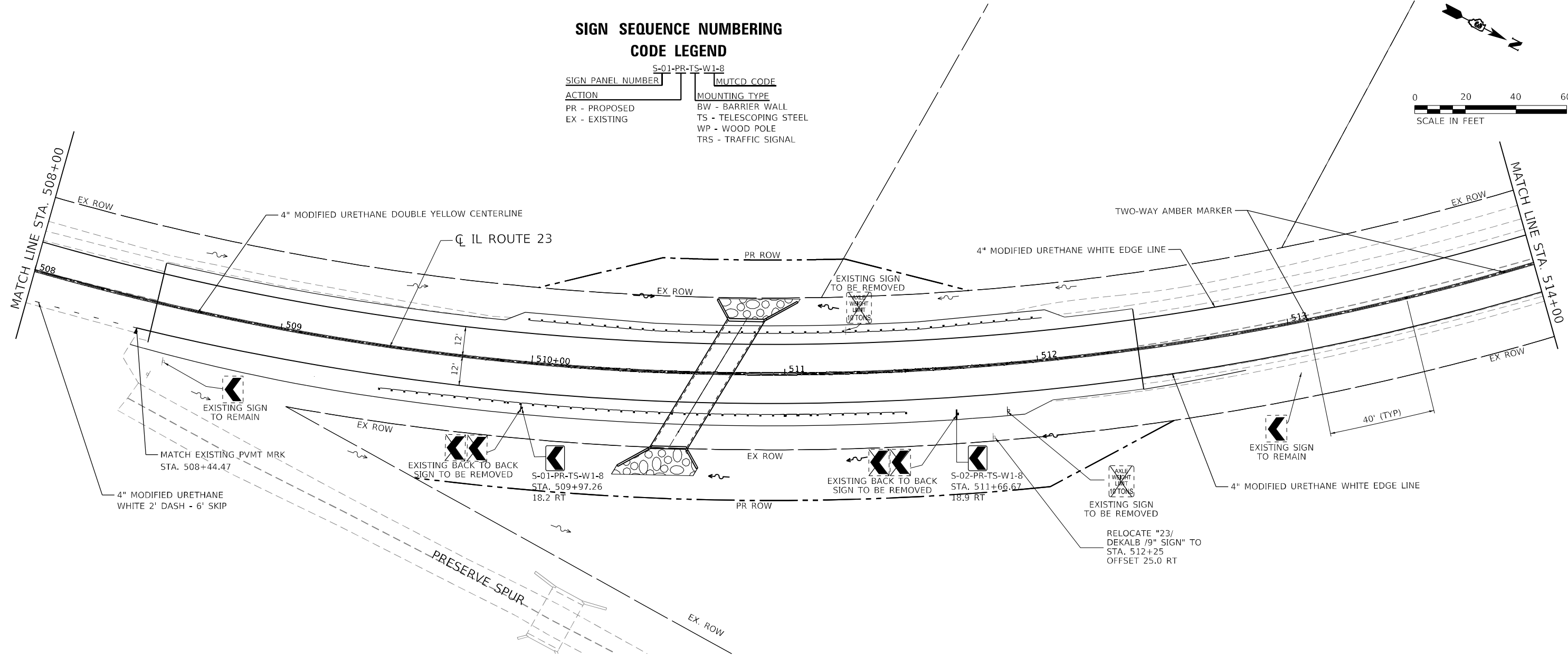
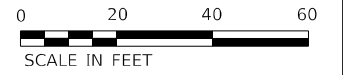
**IL ROUTE 23
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 502+75 TO STA. 508+05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	27
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				

**SIGN SEQUENCE NUMBERING
CODE LEGEND**

SIGN PANEL NUMBER	MUTCD CODE
ACTION	MOUNTING TYPE
PR - PROPOSED	BW - BARRIER WALL
EX - EXISTING	TS - TELESCOPING STEEL
	WP - WOOD POLE
	TRS - TRAFFIC SIGNAL



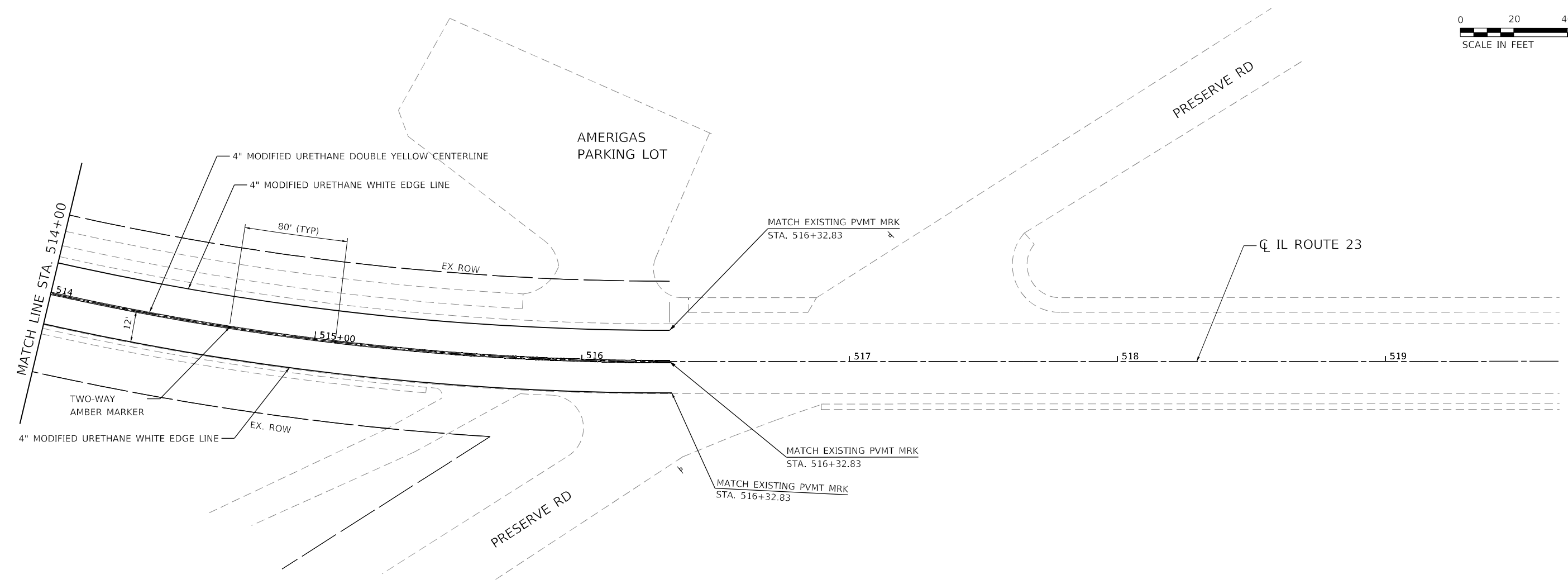
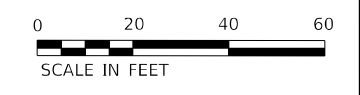
NOTE:
1. REFER TO IDOT STANDARD 781001 FOR APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS

SIGN LEGEND:

- ▬ PR GROUND MOUNTED SIGN
- ▬ EX GROUND MOUNTED SIGN

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	USER NAME = ChiSengCheong DESIGNED - KLN DRAWN - CC PLOT SCALE = 40.0000' / in. CHECKED - MM DATE = 10/02/2023	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 23 PAVEMENT MARKING AND SIGNING PLAN		F.A.P. RTE. = 68 SECTION = 30CR-2538 COUNTY = DEKALB TOTAL SHEETS = 52 SHEET NO. = 28 CONTRACT NO. 66L53
	SCALE: 1"=20'			SHEET 2 OF 3 SHEETS	STA. 508+00 TO STA. 514+00	ILLINOIS FED. AID PROJECT



NOTE:
 1. REFER TO IDOT STANDARD 781001 FOR APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS

SIGN LEGEND:

- PR GROUND MOUNTED SIGN
- EX GROUND MOUNTED SIGN

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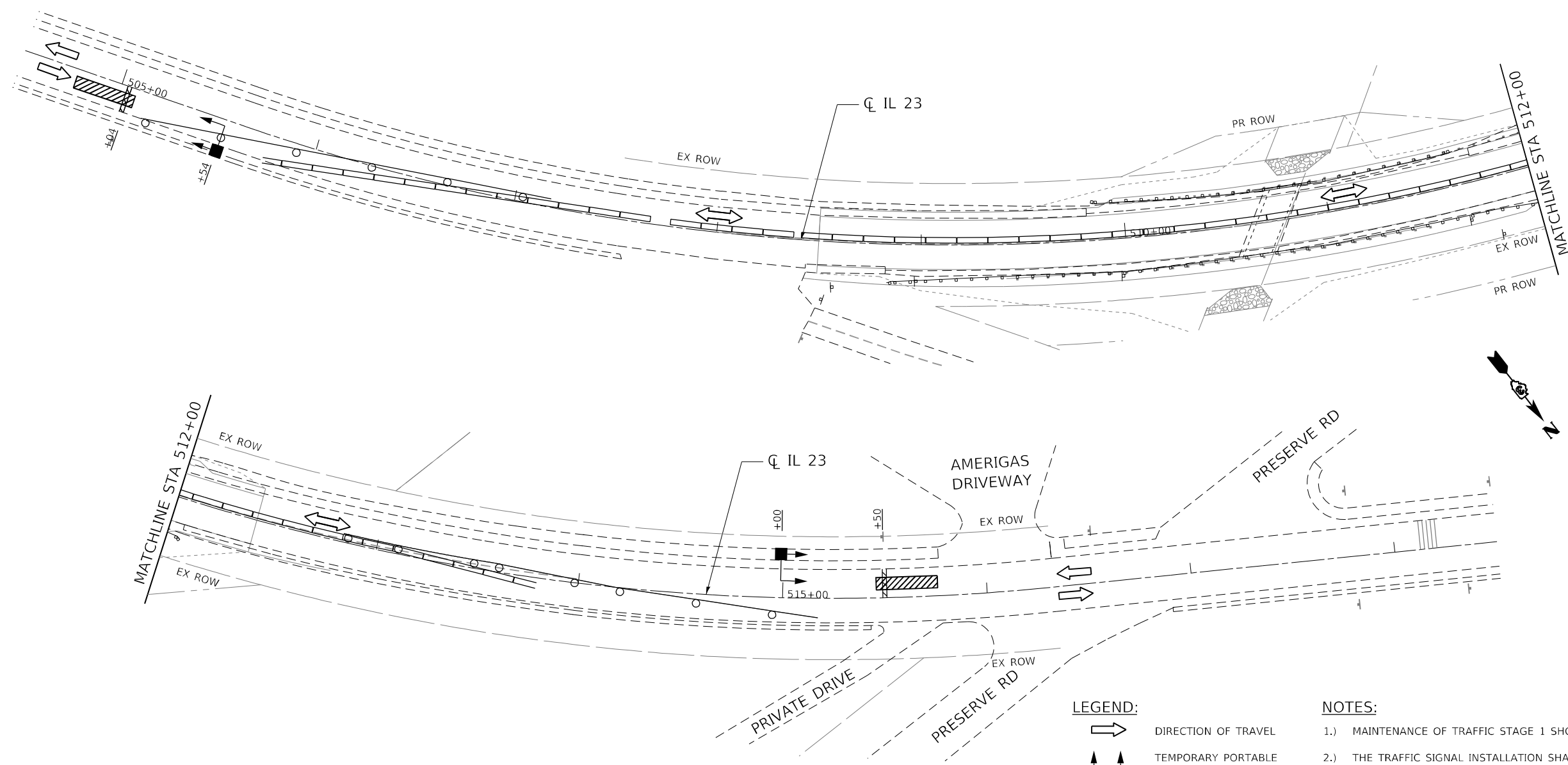
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DRAWN - CC	REVISOR -	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




**IL ROUTE 23
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 514+00 TO STA. 519+65

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	29
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				



LEGEND:

-  DIRECTION OF TRAVEL
-  TEMPORARY PORTABLE TRAFFIC SIGNAL
-  DETECTION ZONE

- NOTES:**
- 1.) MAINTENANCE OF TRAFFIC STAGE 1 SHOWN.
 - 2.) THE TRAFFIC SIGNAL INSTALLATION SHALL CONSIST OF TRAILER MOUNTED TEMPORARY PORTABLE TRAFFIC SIGNALS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 - 3.) VEHICLE DETECTION IS REQUIRED AND SHALL BE THE MICROWAVE TYPE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 - 4.) THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL M.U.T.C.D. REQUIREMENTS AND THE SPECIAL PROVISION FOR TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION.
 - 5.) STOP BAR AND SIGNAL PLACEMENT SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER.
 - 6.) TRAFFIC SIGNAL HEADS SHALL HAVE LOUVERED BACKPLATES.
 - 7.) ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLY WITH THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE BID PRICE FOR "TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION". THIS SHALL INCLUDE FILL MATERIAL AND TEMPORARY PAVEMENT IF NECESSARY TO PROVIDE LEVEL SURFACES FOR THE PORTABLE TRAFFIC SIGNAL EQUIPMENT. THIS PAY ITEM SHALL INCLUDE ALL CHANGES AND ADJUSTMENTS REQUIRED TO CONSTRUCT THE PROJECT AS SHOWN IN THE PLANS.

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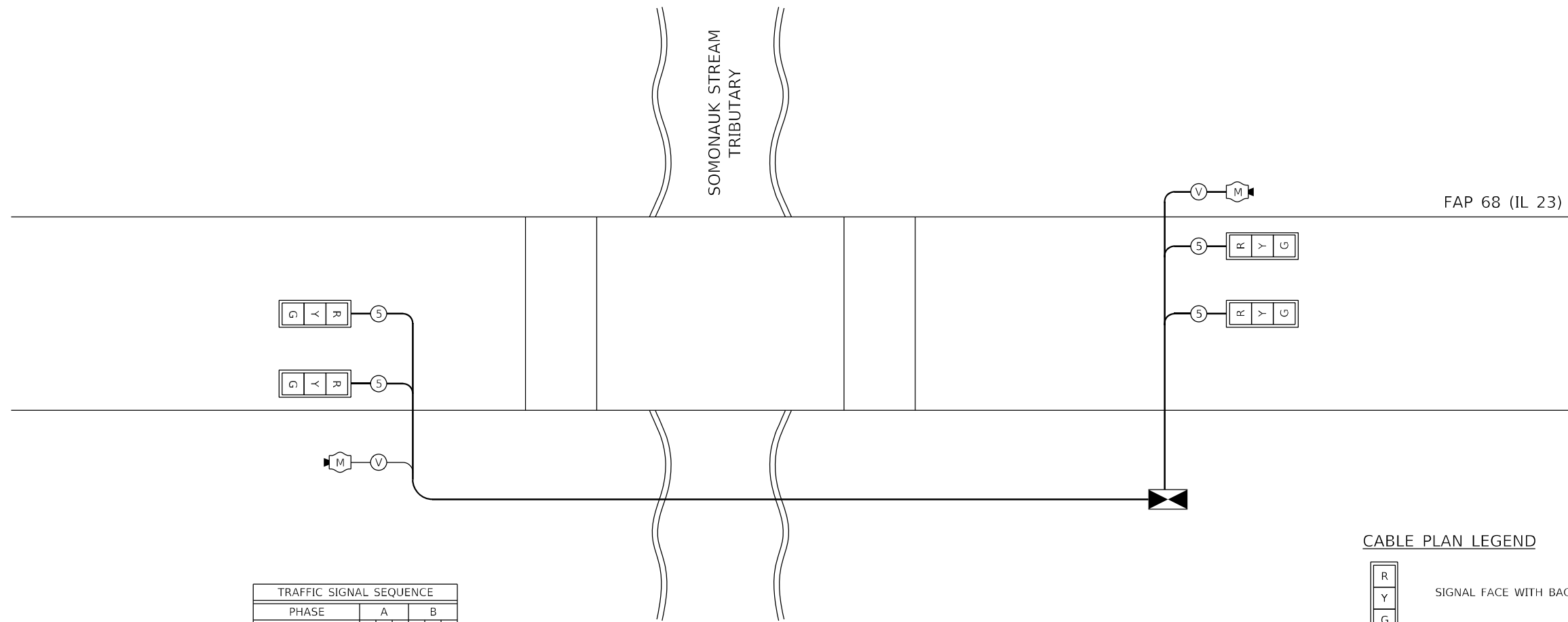
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION

SCALE: 1" = 30' SHEET 1 OF 2 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-253B	DEKALB	52	30
CONTRACT NO.				66L53
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL SEQUENCE						
PHASE	A	B				
INTERVAL	1	2	3	4	5	6
NORTHBOUND OR EASTBOUND	G	Y	R	R	R	R
SOUTHBOUND OR WESTBOUND	R	R	R	G	Y	R

**TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION
WIRING DIAGRAM - STAGE 1 & 2**

CABLE PLAN LEGEND

- SIGNAL FACE WITH BACKPLATE
- MICROWAVE VEHICLE SENSOR
- CONTROLLER CABINET
- VENDOR CABLE FOR MICROWAVE DETECTOR

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	DATE - 6/28/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL INSTALLATION WIRING DIAGRAM

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. - TO STA. -

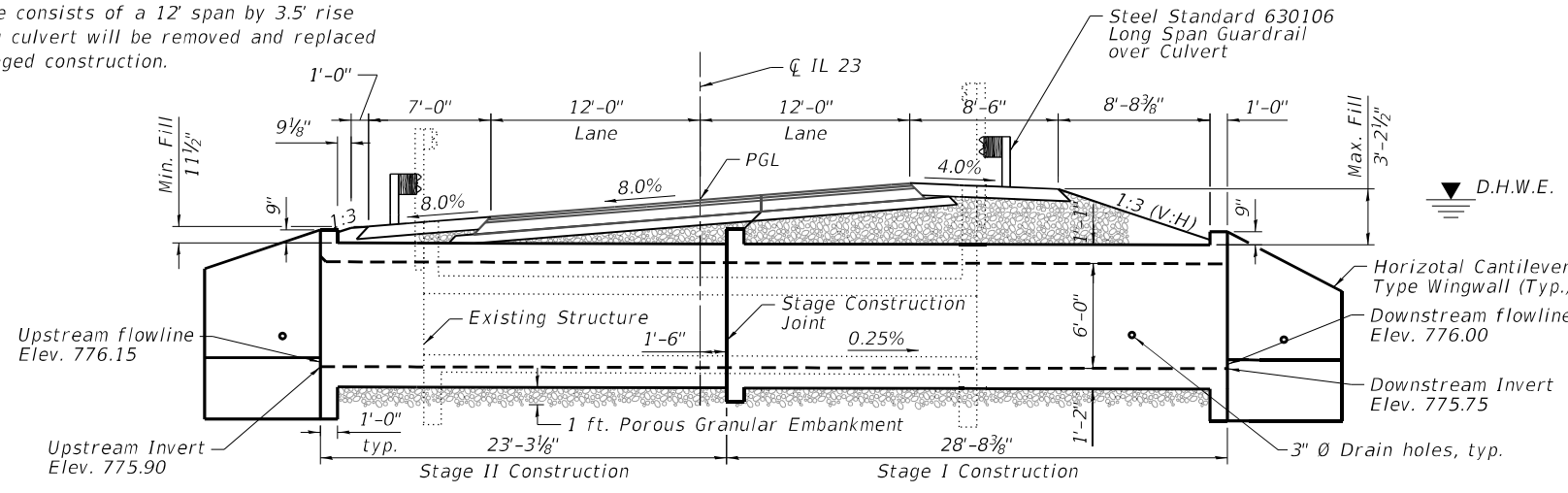
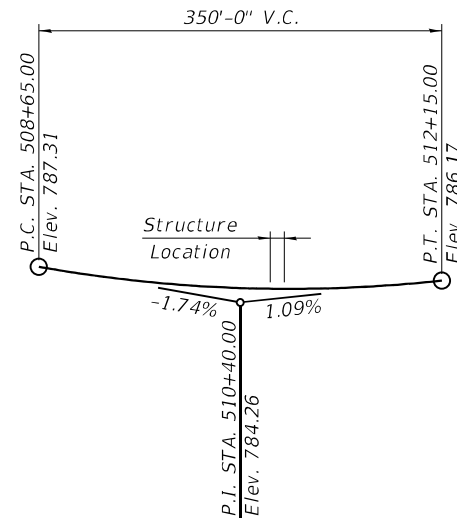
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-253B	DEKALB	52	31
CONTRACT NO.			66L53	
ILLINOIS FED. AID PROJECT				

Benchmark: Cut "□" Top N.E. Wing of Henderson Bridge (on sideroad E. of Exist. S.N. 019-2538, Prop. S.N. 019-2562)
 Sta. 510+18.16. 114.10' RT.
 El. = 783.471

Existing Structure: Original construction date 1925. Structure consists of a 12' span by 3.5' rise concrete box culvert, 36'-7" long. Existing culvert will be removed and replaced by a cast-in-place concrete box using staged construction.

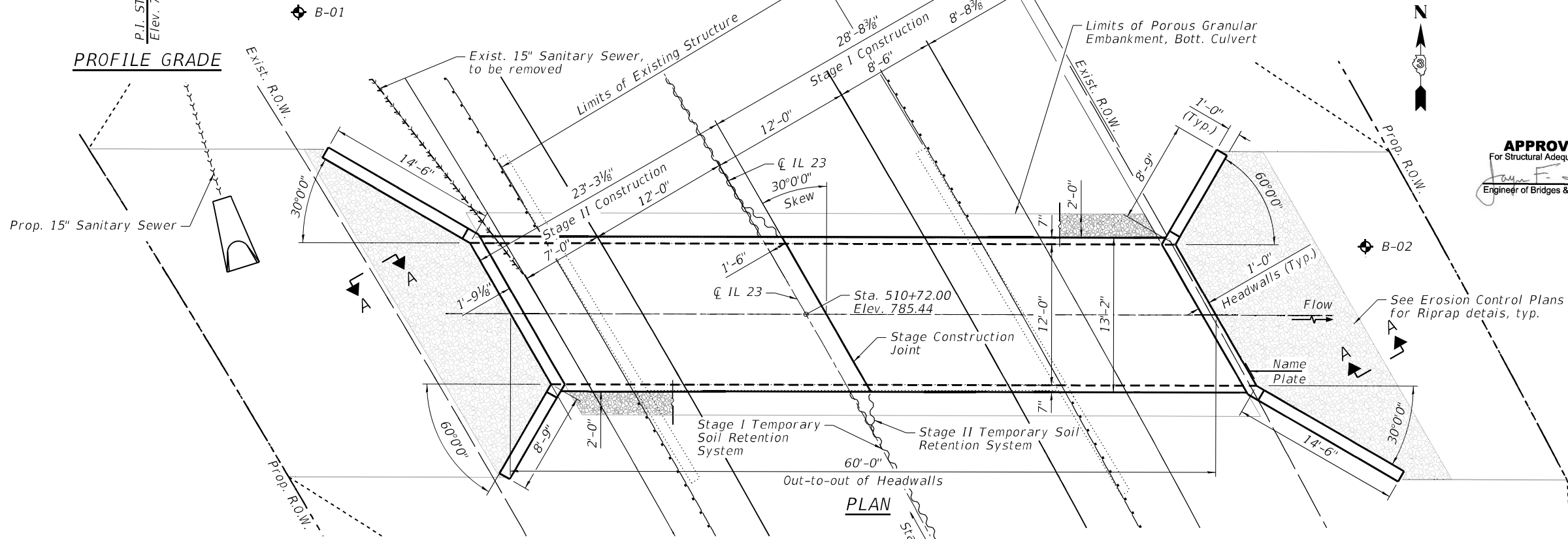
No salvage.

Precast alternate is not allowed.



LONGITUDINAL SECTION

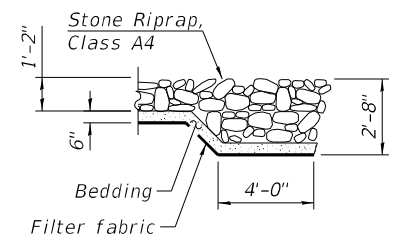
(Roadway dimension and cross-slopes at Rt. L's to Roadway, looking North)



PLAN

WATERWAY INFORMATION

Drainage Area = 1,131.3 acres		Existing Overtopping Elev. = 786.30 ft at Sta. 510+50		Proposed Overtopping Elev. = 786.30 ft at Sta. 510+50					
Flood	Freq. Yr.	Q C.F.S.	Waterway Opening Sq. Ft.		Head - ft		Headwater El.		
			Existing	Proposed	Exist.	Prop.	Exist.	Prop.	
10 Year Design	10	245	47	54	780.4	0.5	0.2	780.9	780.7
Base	50	414	64	71	781.8	1.1	1.0	783.0	782.8
Overtop Existing	100	494	72	72	783.0	1.0	1.0	784.1	784.0
Overtop Proposed	200	581	72	72	783.3	1.5	1.4	784.8	784.7
	500	693	72	72	783.9	2.2	2.1	786.1	786.0



SECTION A-A

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

DESIGN STRESSES

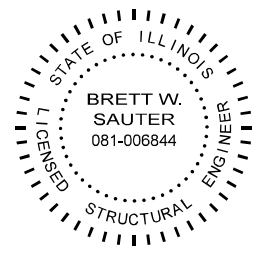
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

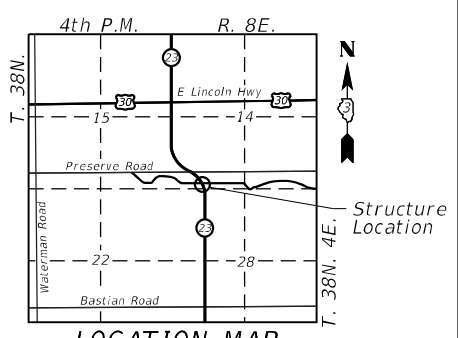
HIGHWAY CLASSIFICATION

IL 23
 Functional Class: Rural Minor Arterial
 ADT: 3,300 (2021)
 ADTT: 132 (2021)
 Posted Speed: 45 MPH
 Design Speed: 45 MPH



APPROVED
 For Structural Adequacy Only
 Engineer of Bridges & Structures

DATE: 9/29/2023
 SEAL EXPIRES: 11/30/2024



GENERAL PLAN AND ELEVATION

IL 23 OVER STREAM
FAP 68 SEC. 30CR-2538
DEKALB COUNTY
STATION 510+72
STRUCTURE NO. 019-2562

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 5-1 OF 5-14 SHEETS

F.A.P. RTE. 68	SECTION 30CR-2538	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 32
CONTRACT NO. 66153			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

- The design fill height for this box varies from 0.96 ft. minimum to 3.21 ft. maximum.
- All Reinforcement bars shall be epoxy coated.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
- CONTRACTOR shall provide an in-stream work plan for review by the resident ENGINEER and written approval by the Army Corps prior to starting in-stream work. The cost of this shall be included in the cost of Concrete Box Culverts

INDEX OF SHEETS

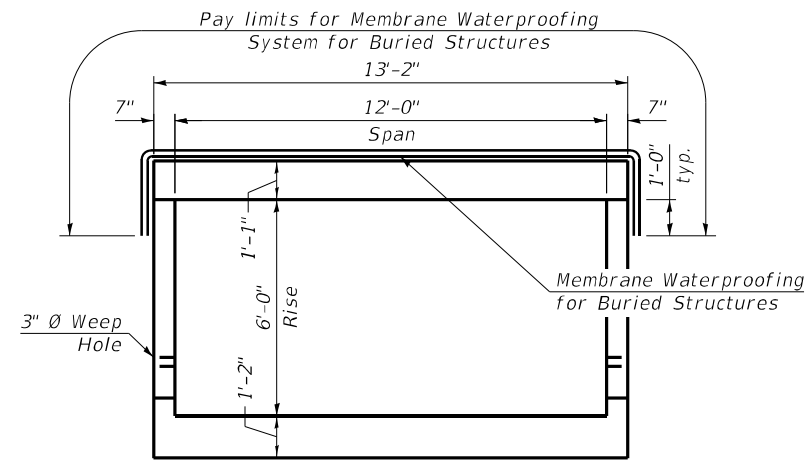
- S-1 General Plan and Elevation
- S-2 General Notes, Bill of Material & Index of Sheets
- S-3 Stage Construction Details
- S-4 Temporary Soil Retention System & Temporary Support System
- S-5 Culvert Reinforcement Details 1
- S-6 Culvert Reinforcement Details 2
- S-7 Culvert Reinforcement Details 3
- S-8 Culvert Reinforcement Details 4
- S-9 Bar Splicer Assembly and Mechanical Splicer Details
- S-10 Soil Borings
- S-11 Existing Structural Plans 1
- S-12 Existing Structural Plans 2
- S-13 Existing Structural Plans 3
- S-14 Existing Structural Plans 4

TOTAL BILL OF MATERIAL

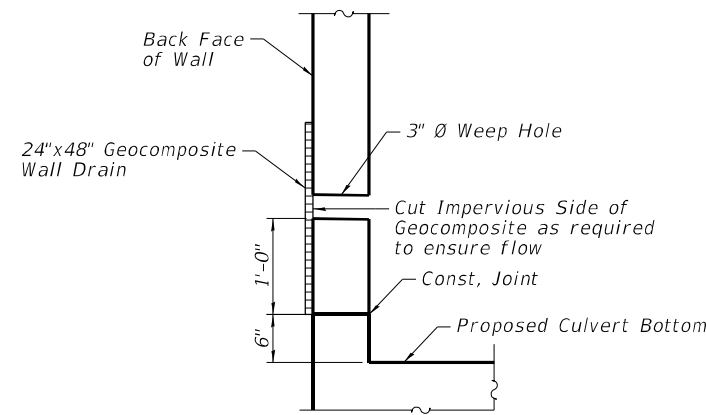
ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	390
Removal Of Existing Structures	Each	1
Structure Excavation	Cu Yd	448
Temporary Soil Retention System	Sq Ft	330
Reinforcement Bars, Epoxy Coated	Pound	25,440
Bar Splicers	Each	64
Name Plates	Each	1
Concrete Box Culverts	Cu Yd	101.6
Granular Backfill For Structures	Cu Yd	90
** Membrane Waterproofing System For Buried Structures	Sq Yd	116
** Temporary Support System	Each	1

** Special Provision Item

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



MEMBRANE WATERPROOFING SYSTEM

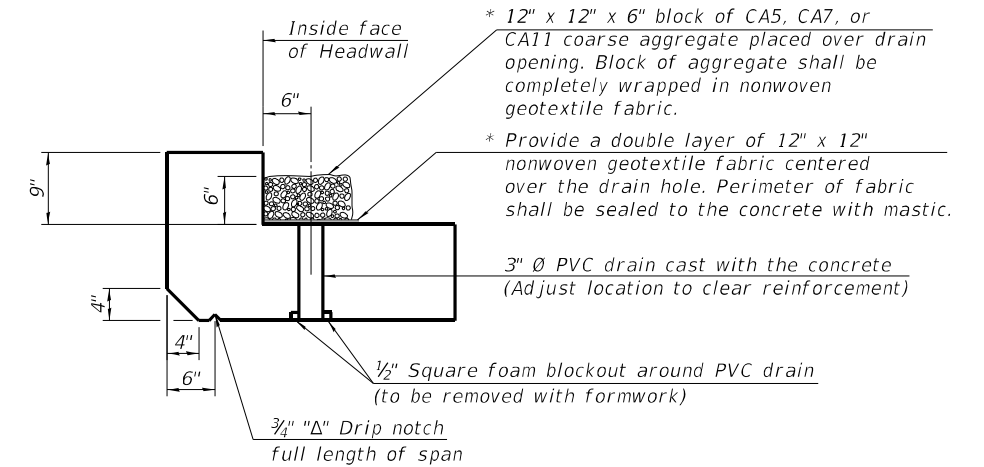


WEEP HOLE DRAIN DETAIL

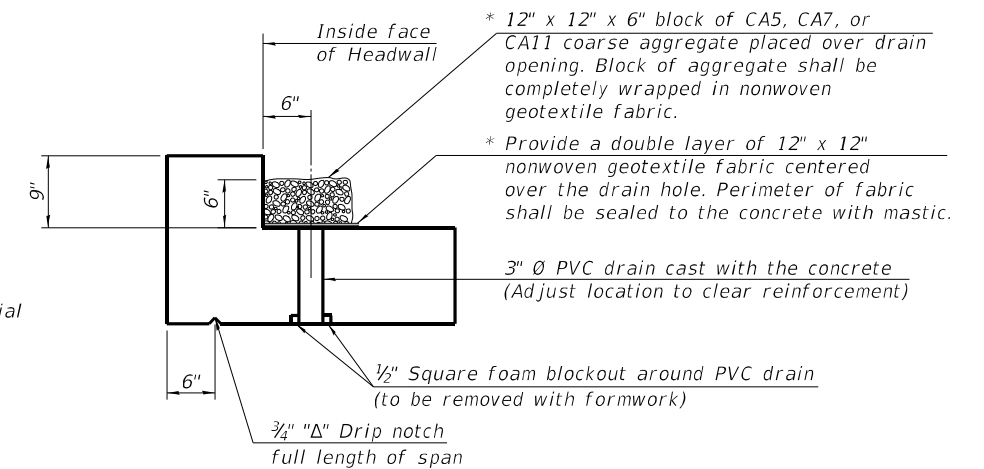
(Cost included in Concrete Box Culvert.)

STATION 510+72
BUILT BY
STATE OF ILLINOIS
FAP 68 SEC. 30CR-2538
LOADING HL-93
STR. NO. 019-2562

NAME PLATE
See Std. 515001



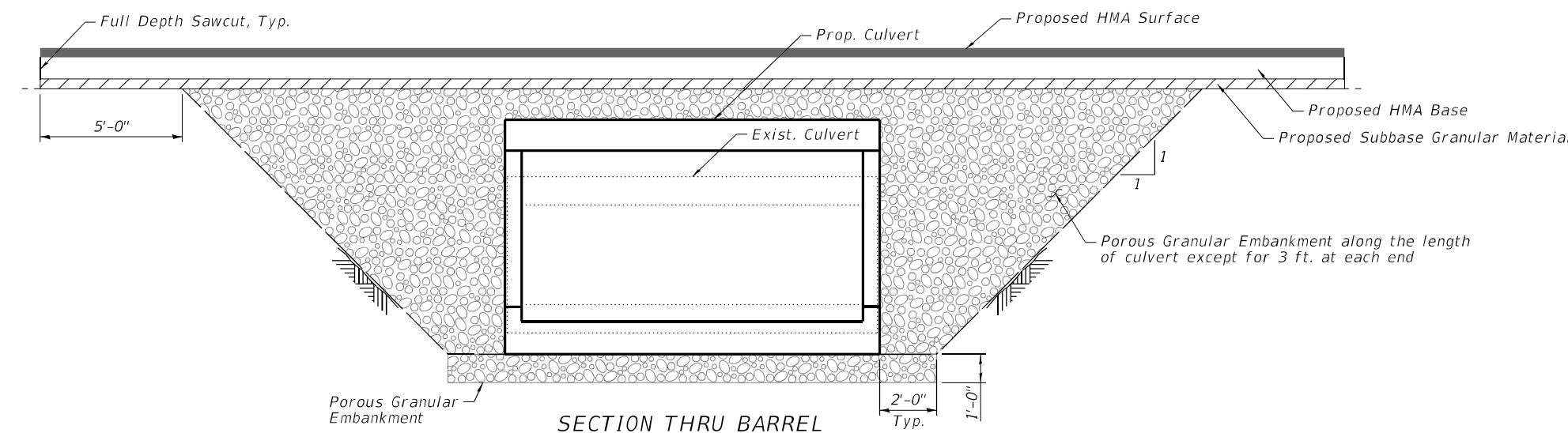
AT UPSTREAM END



AT DOWNSTREAM END

DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for Concrete Box Culvert.)



SECTION THRU BARREL

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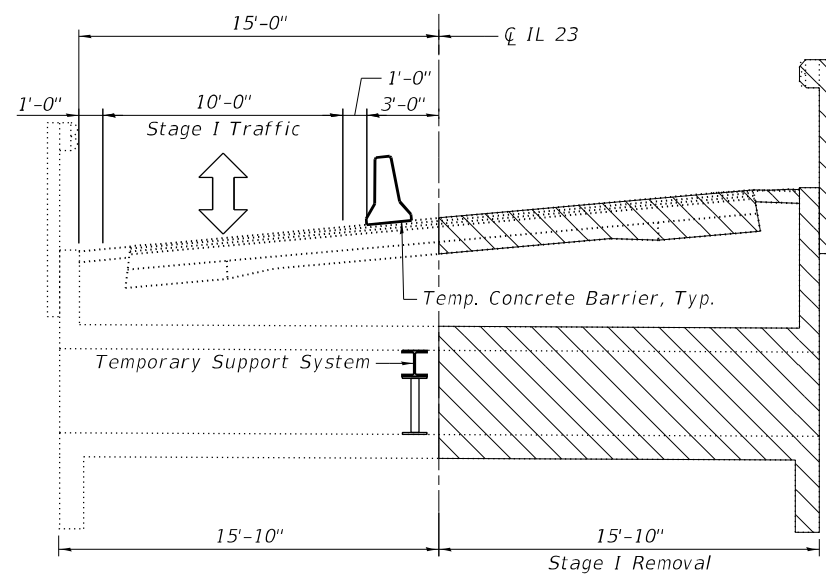
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

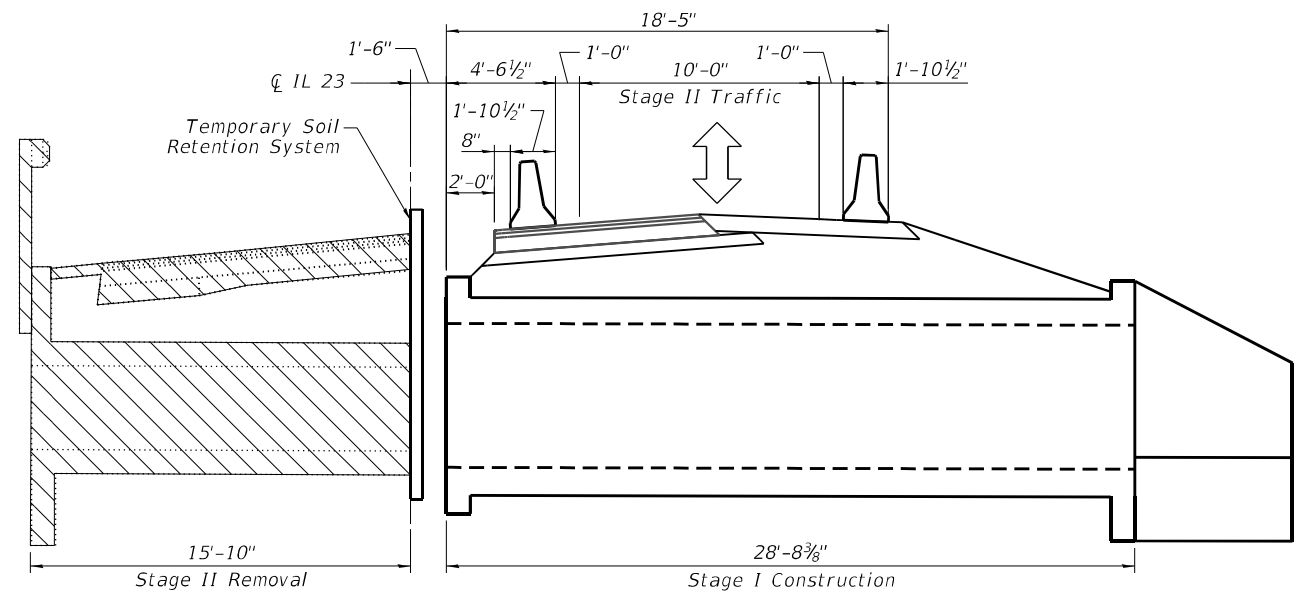
**GENERAL NOTES, BILL OF MATERIAL & INDEX OF SHEETS
STRUCTURE NO. 019-2562**

SHEET 5-2 OF 5-14 SHEETS

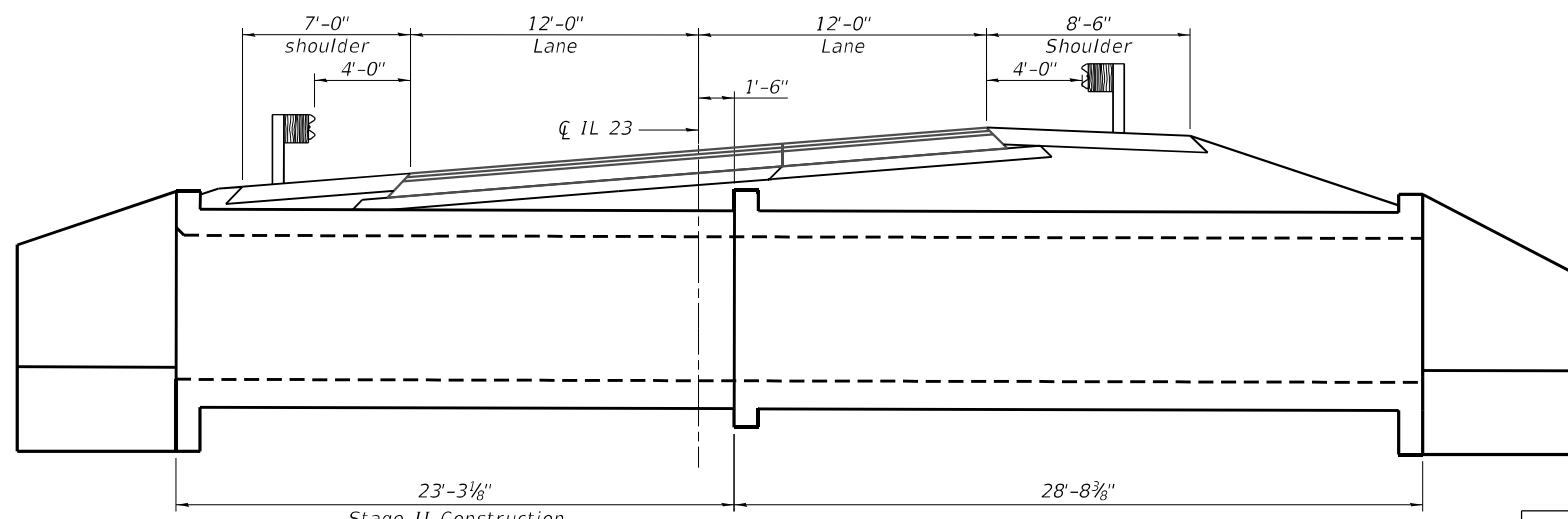
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	33
CONTRACT NO.			66L53	
ILLINOIS		FED. AID PROJECT		



STAGE I REMOVAL
(Looking North)



STAGE I CONSTRUCTION AND STAGE II REMOVAL
(Looking North)



PROPOSED SECTION
(Looking North)

LEGEND



NOTES:

1. All dimensions are at Rt. L's from the CL IL 23.
2. For the Temporary Soil Retention System and Temporary Support System details see Sheet S-4.

BILL OF MATERIAL

Item	Unit	Quantity
Removal of Existing Structures	Each	1

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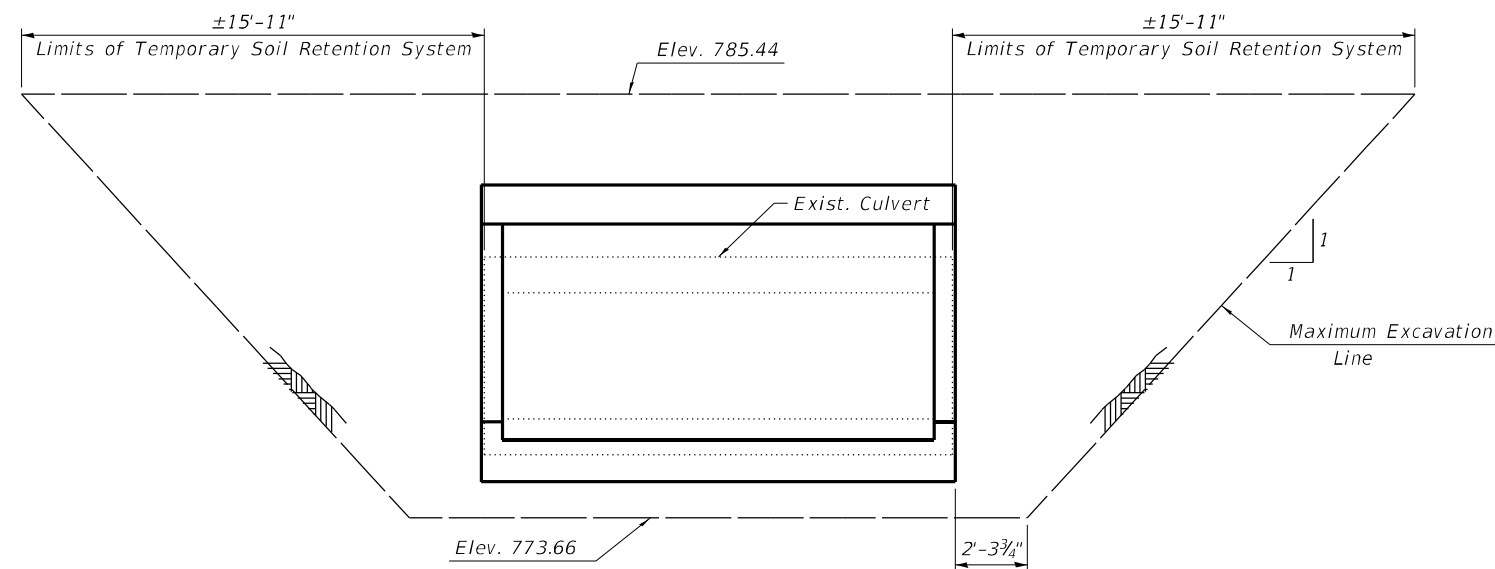
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

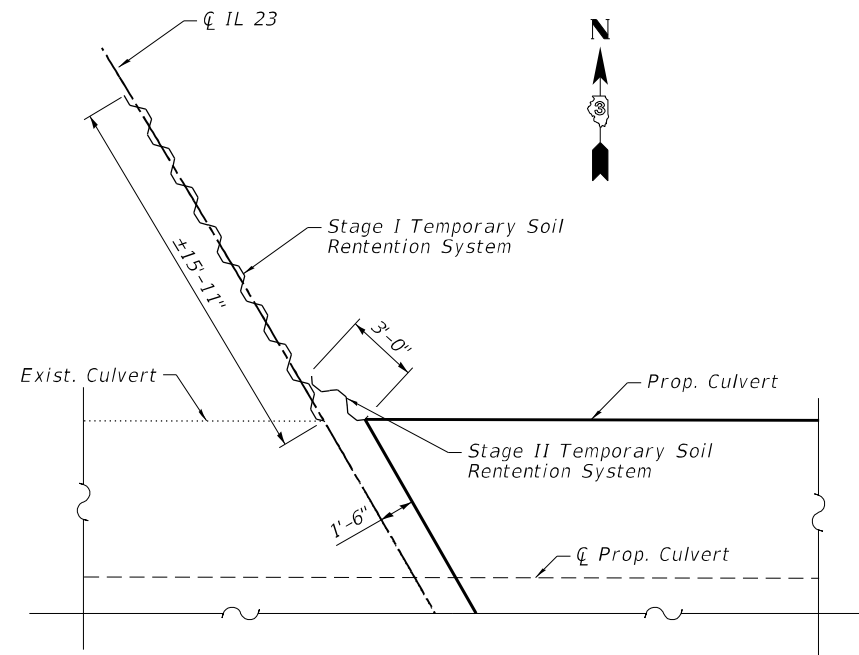
**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 019-2562**

SHEET S-3 OF S-14 SHEETS

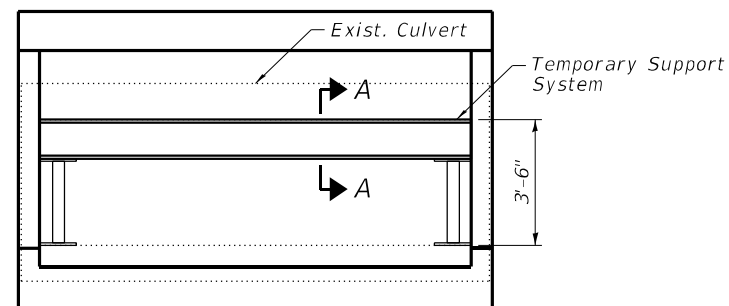
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 66L53	



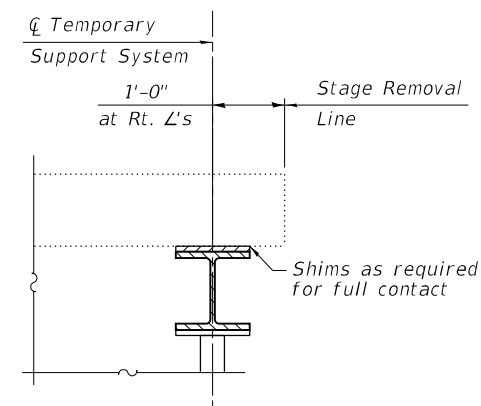
TEMPORARY SOIL RETENTION SYSTEM
(Dimension along Stage Construction Line)



TSRS PLAN



TEMPORARY SUPPORT SYSTEM



SECTION A-A

NOTE:

1. For Temporary Support System, See Special Provisions.

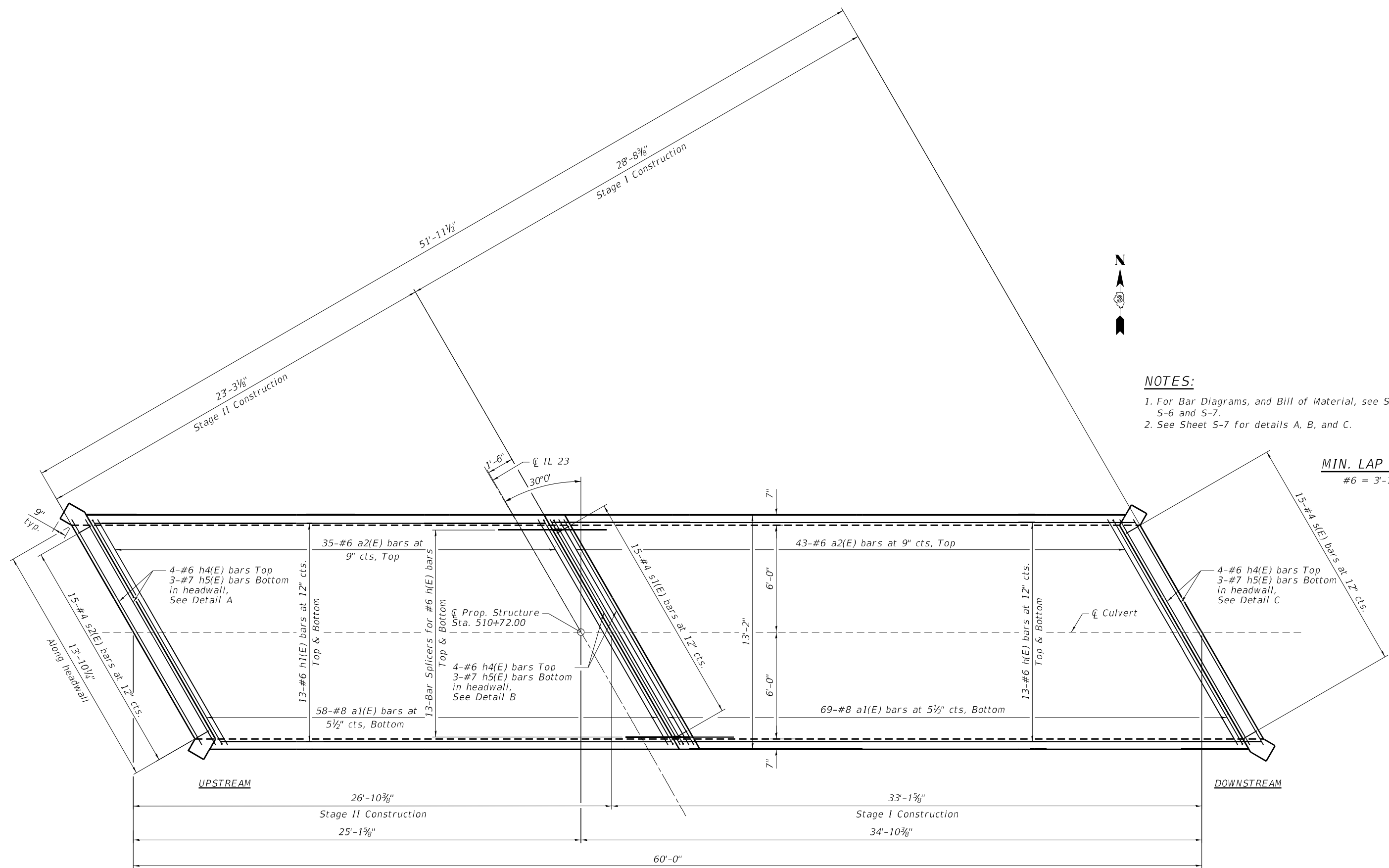
BILL OF MATERIAL

Item	Unit	Quantity
Temporary Soil Retention System	Sq Ft	330
Temporary Support System	Each	1

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	DRAWN - SBA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISED -
PLOT DATE = 9/29/2023	DATE - 9/29/2023	REVISED -

F.A.P. RTE. 6B	SECTION 30CR-253B	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66L53	



NOTES:
 1. For Bar Diagrams, and Bill of Material, see Sheet S-6 and S-7.
 2. See Sheet S-7 for details A, B, and C.

MIN. LAP BAR
 #6 = 3'-1"

PLAN - TOP SLAB

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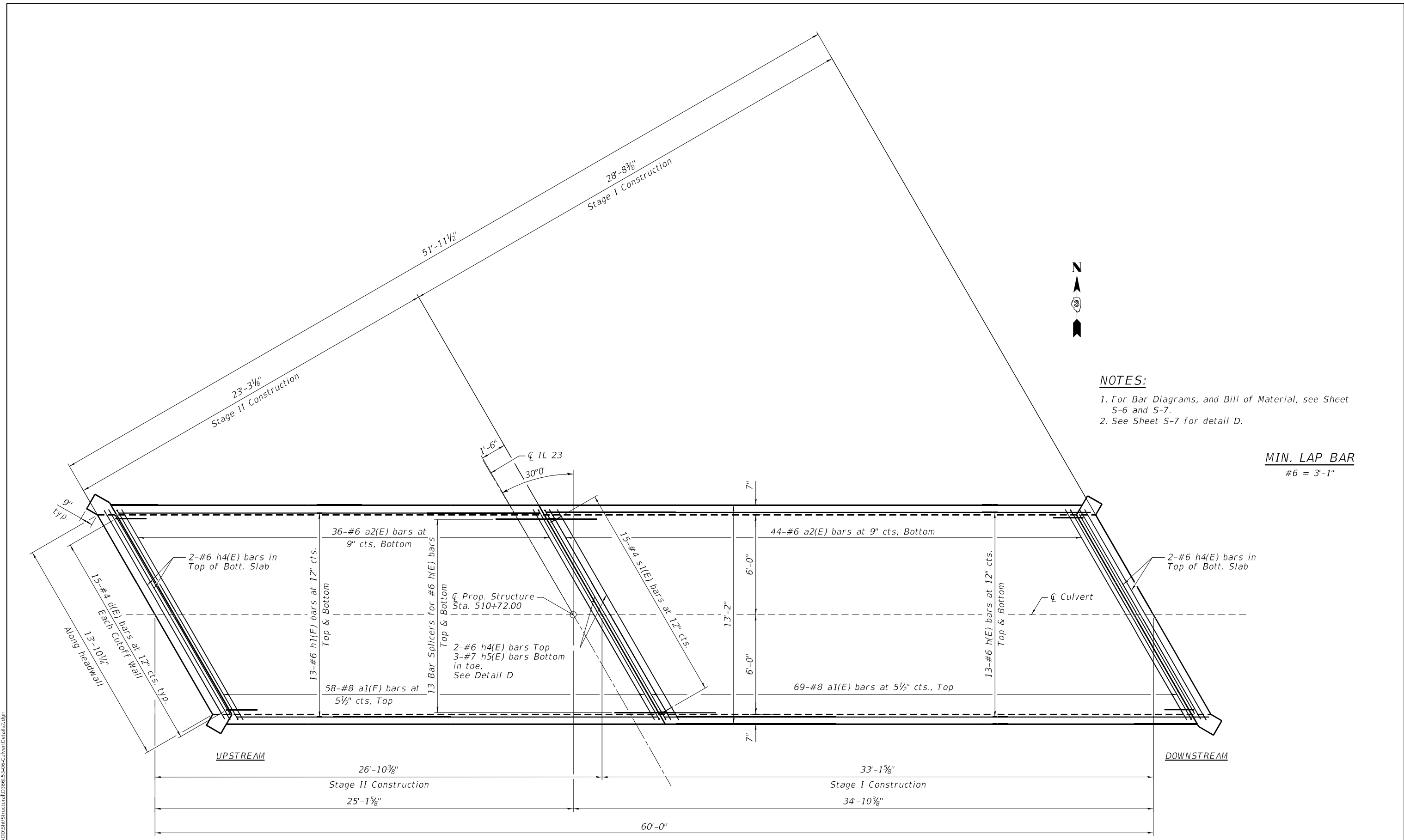


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	DRAWN - SBA	REVISED -
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PLOT DATE = 9/29/2023	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT REINFORCEMENT DETAILS 1
STRUCTURE NO. 019-2562
 SHEET S-5 OF S-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6B	30CR-253B	DEKALB	52	36
CONTRACT NO.			66L53	
ILLINOIS FED. AID PROJECT				



NOTES:
 1. For Bar Diagrams, and Bill of Material, see Sheet S-6 and S-7.
 2. See Sheet S-7 for detail D.

MIN. LAP BAR
 #6 = 3'-1"

PLAN - BOTTOM SLAB

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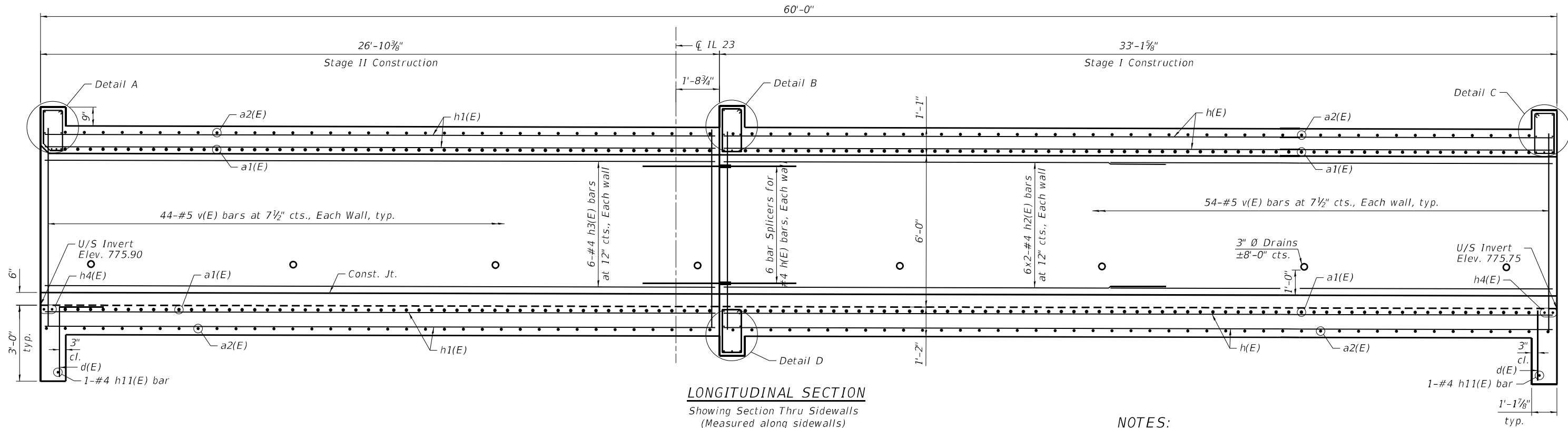
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PLOT DATE = 9/29/2023	CHECKED - BWS	REVISED -
	DATE - 9/29/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT REINFORCEMENT DETAILS 2
 STRUCTURE NO. 019-2562**

SHEET S-6 OF S-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6B	30CR-253B	DEKALB	52	37
CONTRACT NO.			66153	
ILLINOIS FED. AID PROJECT				

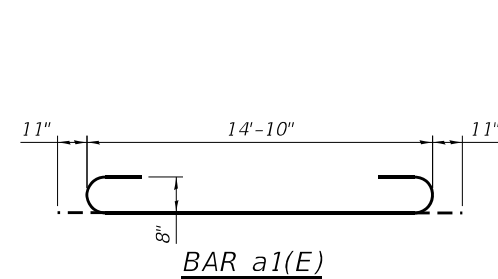


LONGITUDINAL SECTION
Showing Section Thru Sidewalls
(Measured along sidewalls)

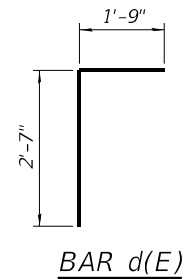
NOTES:

1. Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
2. For Bill of Material see Sheet S-8.
3. For waterproofing membrane details see Sheet S-2.

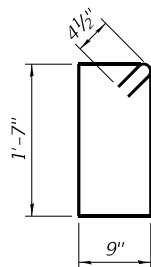
MIN. LAP BAR
#4 = 2'-1"



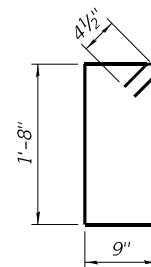
BAR a1(E)



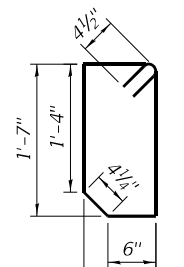
BAR d(E)



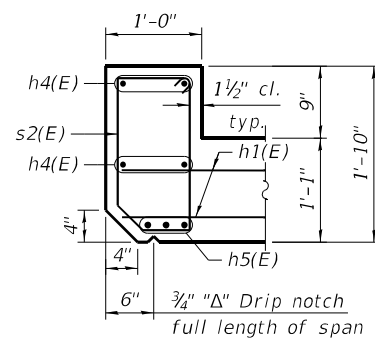
BAR s(E)



BAR s1(E)

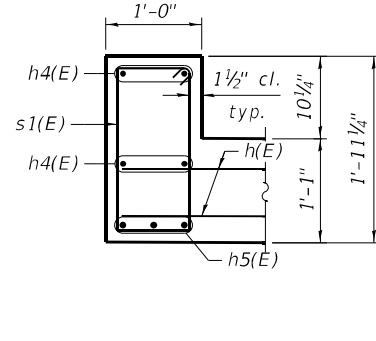


BAR s2(E)



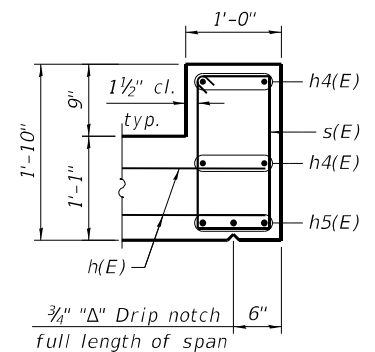
DETAIL A

UPSTREAM
(All dimensions are at Rt. L's from the \varnothing IL 23)



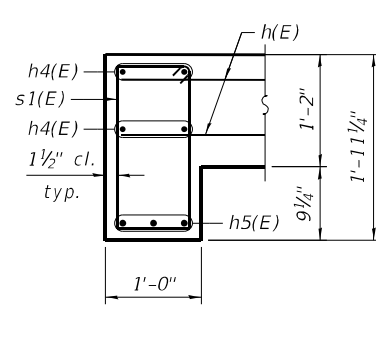
DETAIL B

(All dimensions are at Rt. L's from the \varnothing IL 23)



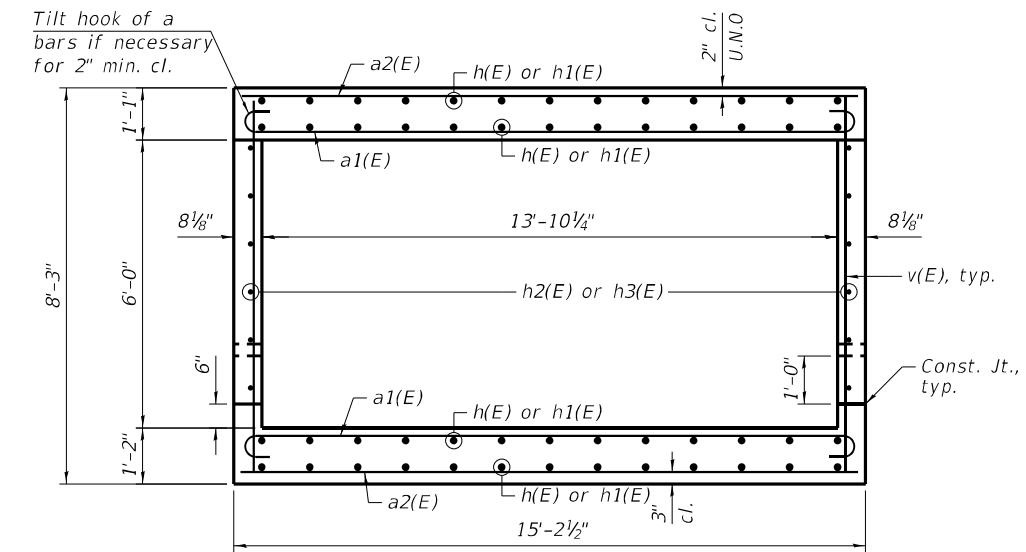
DETAIL C

DOWNSTREAM
(All dimensions are at Rt. L's from the \varnothing IL 23)



DETAIL D

(All dimensions are at Rt. L's from the \varnothing IL 23)



SECTION THRU BARREL
(Dimensions are parallel to \varnothing IL 23)

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	DRAWN - SBA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISED -
PLOT DATE = 9/29/2023	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

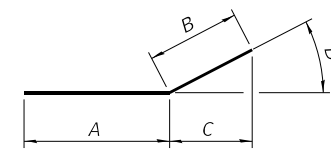
CULVERT REINFORCEMENT DETAILS 3
STRUCTURE NO. 019-2562

SHEET S-7 OF S-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6B	30CR-253B	DEKALB	52	38
CONTRACT NO.			66L53	
ILLINOIS FED. AID PROJECT				

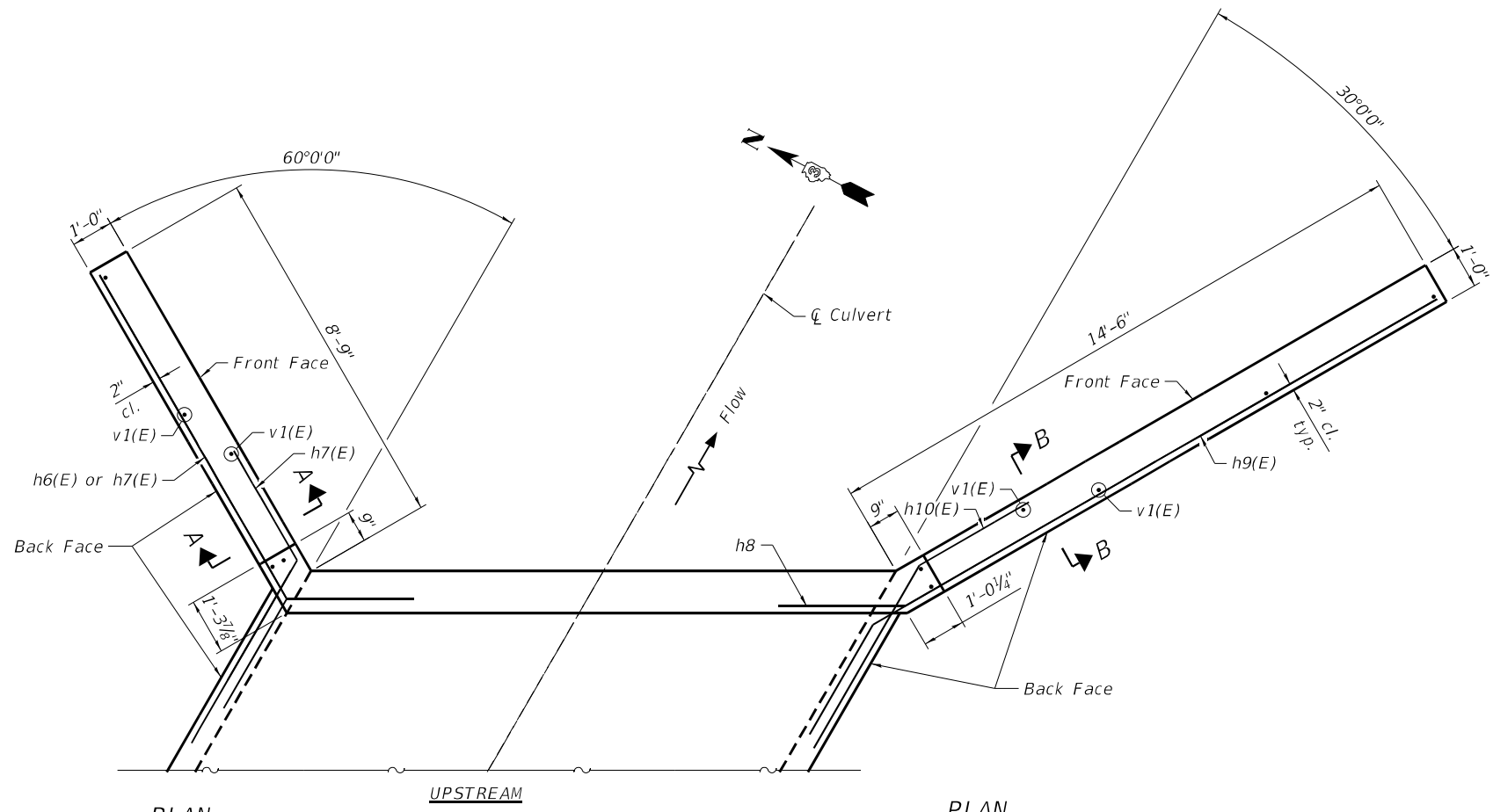
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	254	#8	16'-8"	
a2(E)	158	#6	14'-10"	
d(E)	30	#4	4'-4"	
h(E)	52	#6	32'-9"	
h1(E)	52	#6	26'-6"	
h2(E)	24	#4	17'-6"	
h3(E)	12	#4	26'-6"	
h4(E)	18	#6	14'-10"	
h5(E)	9	#7	14'-10"	
h6(E)	30	#7	11'-11"	
h7(E)	28	#7	8'-0"	
h8(E)	8	#7	18'-5"	
h9(E)	20	#7	17'-7"	
h10(E)	32	#7	8'-0"	
h11(E)	2	#4	14'-10"	
s(E)	15	#4	5'-5"	
s1(E)	30	#4	5'-7"	
s2(E)	15	#4	5'-3"	
v(E)	196	#5	7'-10"	
v1(E)	22	#4	10'-5"	
Reinforcement Bars, Epoxy Coated			Pound	25,430
Concrete Box Culverts			Cu Yd	101.6
Membrane Waterproofing System For Buried Structures			Sq Yd	116



BARS h6 THRU h10

Bar	A	B	C	D
h6(E)	8'-11"	3'-0"	1'-6"	60°0'0"
h7(E)	5'-0"	3'-0"	1'-6"	60°0'0"
h8(E)	15'-5"	3'-0"	2'-7 1/8"	30°0'0"
h9(E)	14'-7"	3'-0"	2'-7 1/8"	30°0'0"
h10(E)	5'-0"	3'-0"	2'-7 1/8"	30°0'0"

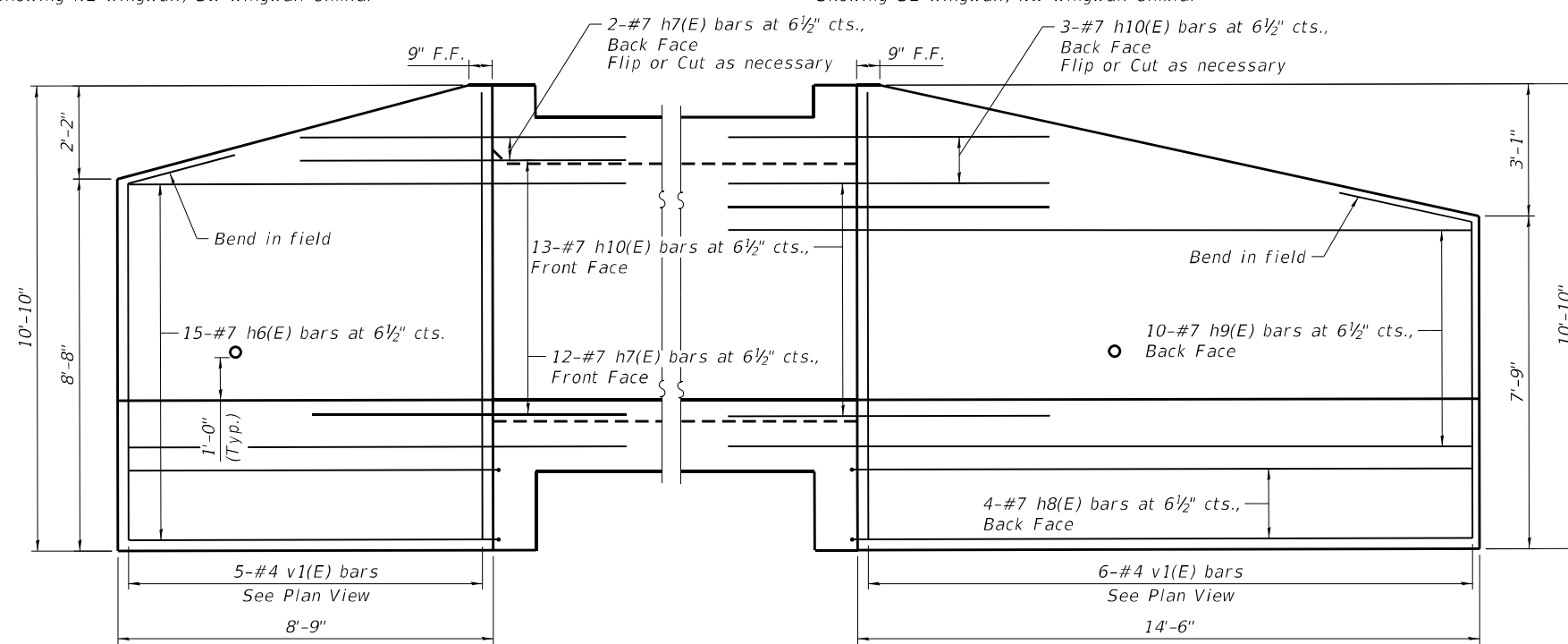


PLAN

Showing NE wingwall, SW wingwall similar

PLAN

Showing SE wingwall, NW wingwall similar

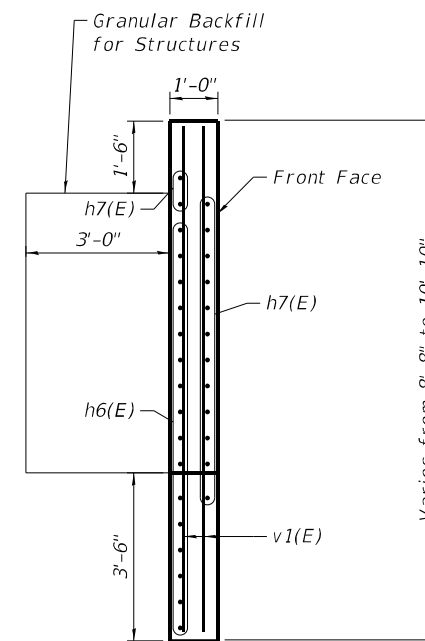


WINGWALL ELEVATION

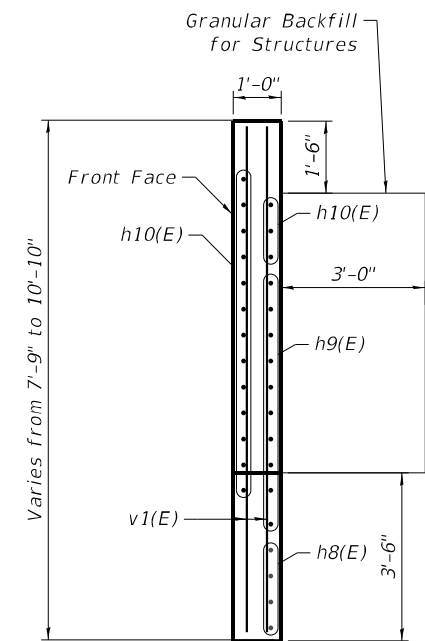
Showing NE wingwall, SW wingwall similar

WINGWALL ELEVATION

Showing SE wingwall, NW wingwall similar

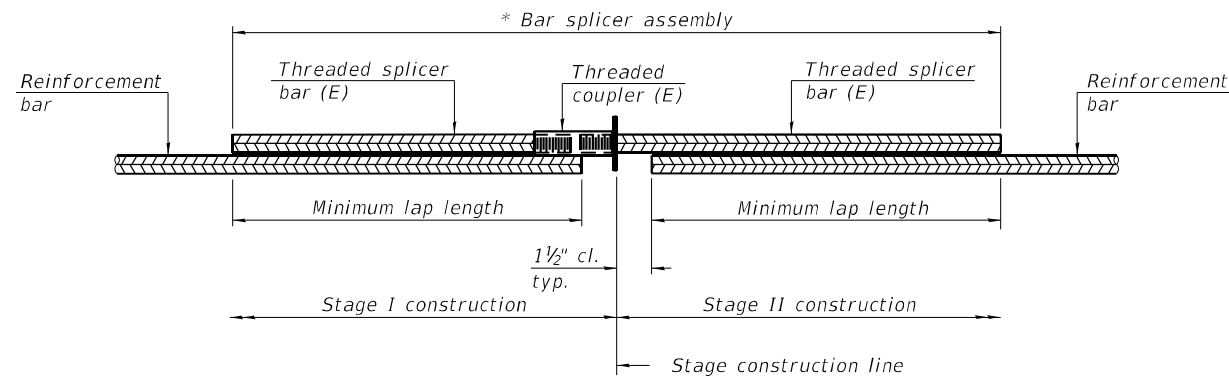


SECTION A-A



SECTION B-B

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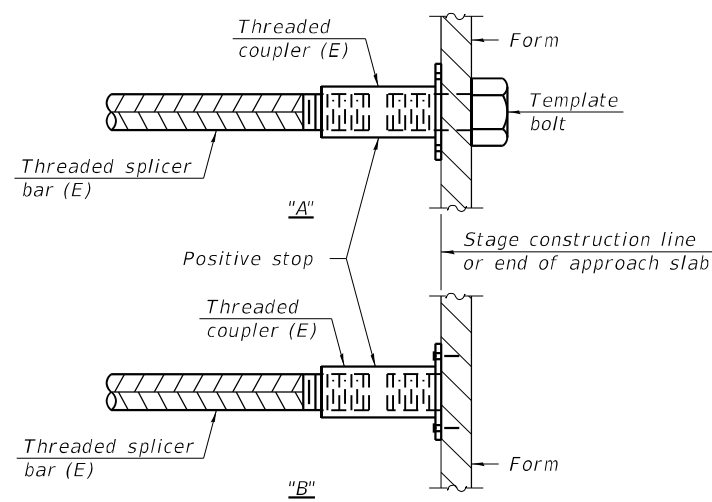


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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

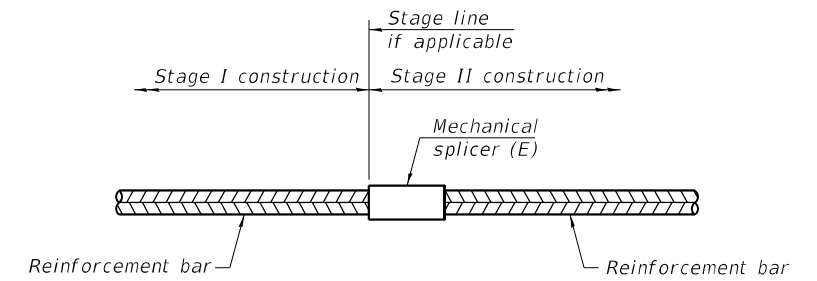
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#6	26	3'-1"
Bottom Slab	#6	26	3'-1"
Culvert Walls	#4	12	2'-1"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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BSD-1

1-1-2020



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	DRAWN - SBA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISED -
PLOT DATE = 9/29/2023	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 019-2562

SHEET 5-9 OF 5-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6B	30CR-253B	DEKALB	52	40
CONTRACT NO.			66L53	

ILLINOIS FED. AID PROJECT



SOIL BORING LOG

(B-01)

Page 1 of 1

Date 5/30/18

ROUTE FAP 68 (IL 23) DESCRIPTION IL 23 over a Stream, 0.6 miles South of US 30 in Waterman LOGGED BY Larry Myers

SECTION 30 LOCATION NW 1/4, SEC. 23, TWP. 38N, RNG. 4E, 3rd PM, Latitude 41.760475, Longitude -88.750058

COUNTY Dekalb DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 019-2538 Station 510+54
 BORING NO. 01 (N.W. Quad.) Station 511+16.75 Offset 23.7 ft Lt. Ground Surface Elev. 783.11 ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	M-OIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (Hrs)
0				776.69	776.41	778.1	778.1	776.1	
9									
10									
11									
18									
22		1.5	19						
27		P							
25									
10									
17		1.5	13						
10		P							
10									
10		1.5	13						
10		P							
10									
6									
5		0.5	11						
3		P							
10									
13									
25		2.0	12						
3		B							
13									
20		5.7	10						
21		S							

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



SOIL BORING LOG

(B-02)

Page 1 of 1

Date 6/4/18

ROUTE FAP 68 (IL 23) DESCRIPTION IL 23 over a Stream, 0.6 miles South of US 30 in Waterman LOGGED BY Larry Myers

SECTION 30 LOCATION NW 1/4, SEC. 23, TWP. 38N, RNG. 4E, 3rd PM, Latitude 41.760314, Longitude -88.749685

COUNTY Dekalb DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 019-2538 Station 510+54
 BORING NO. 02 (S.E. Quad.) Station 510+20.93 Offset 44.3 ft Rt. Ground Surface Elev. 780.64 ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	M-OIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (Hrs)
0				776.69	776.30	773.6	773.6	775.6	
11									
14									
15									
10									
10		1.5	18						
14		P							
9									
10									
12		1.8	12						
12		P							
10									
10		1.5	12						
10		P							
6									
8		2.0	12						
10		P							
10									
10									
10		1.5	13						
13		P							
10									
20		1.0	14						
2		P							
10									
13									
13			10						

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

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USER NAME = Structural	DESIGNED - KEC	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - SBA	REVISED -
PLOT DATE = 9/29/2023	CHECKED - BWS	REVISED -
	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
 STRUCTURE NO. 019-2562
 SHEET 5-10 OF 5-14 SHEETS

F.A.P. RTE. 68	SECTION 30CR-2538	COUNTY DEKALB	TOTAL SHEETS 52	SHEET NO. 41
CONTRACT NO. 66L53			ILLINOIS FED. AID PROJECT	

INDEX TO SHEETS

SHEET NO.	TITLE PAGE
2	STANDARD CROSS SECTION 1032, 1130
3	PLAN AND PROFILE STA. 355+23 TO STA. 385+00
4	" " " " 385+00 " " 445+00
5	" " " " 445+00 " " 505+00
6	" " " " 505+00 " " 533+00
7	" " " " 533+00 " " 593+00
8	" " " " 593+00 " " 653+00
9	" " " " 653+00 " " 713+00
10	" " " " 713+00 " " 733+62.7
11-31	INCLUSIVE CROSS SECTIONS
32	STANDARD CULVERT DESIGN NO. 618-3, 618+65, 743-1743-5
33	" " " " 1111-7
35	SPECIAL " " STA. 355+40, 439+40, 510+54
34	" " BRIDGE " " 344+05, 715+75
35	" " BRIDGE " " 424+69 SHEET 10.2
36	STANDARD 1171 " " 845, 1141, 1063
37	" " 1162, 1020

ROUTE 23 SECTION 30 DEKALB COUNTY

FROM A POINT NEAR THE S.W. CORNER OF SECTION 35 T.38 N., R.4 E. OF THE 1ST P.M. TO A POINT NEAR THE S.W. CORNER OF SECTION 26 T.38 N., R.4 E. OF THE 3RD P.M.

SUMMARY OF QUANTITIES

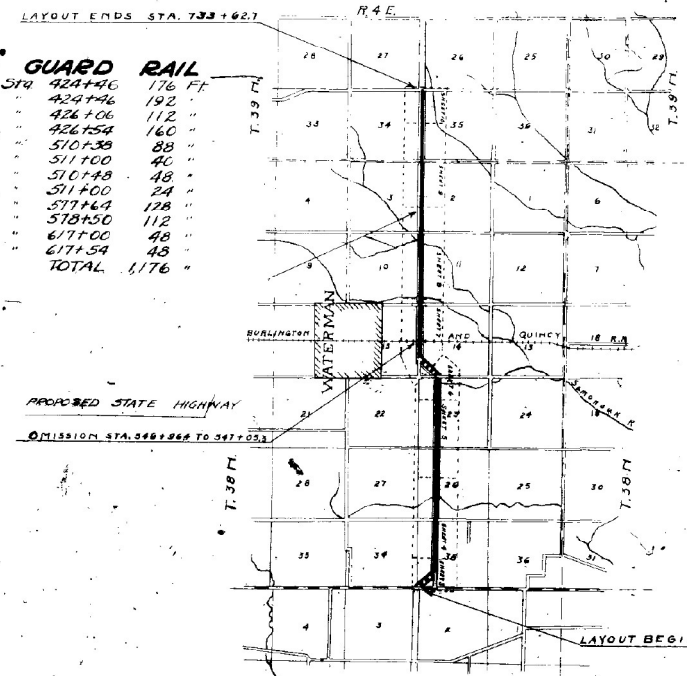
33432	CU. YDS.	CLASS A EXCAVATION
200	CU. YDS.	CLASS B EXCAVATION
93	CU. YDS.	CLASS G EXCAVATION
87	RODS	HEDGE PULLING
73662	SQ. YDS.	PAVEMENT
36	LIN. FT.	VIT. UNDERDRAIN 12 INCH
105	EACH	SETTING RIGHT OF WAY MARKERS
5386	CU. YDS.	CLASS A CONCRETE
78	CU. YDS.	CLASS X CONCRETE
47000	LBS.	REINFORCING STEEL
750	LIN. FT.	UNTREATED PILES - 10 TON
2	EACH	NAME PLATES

SUMMARY of GUARD RAIL

L	Sta. 422+70	to Sta. 424+96	176 FT.
R	422+54	" " 424+96	192 "
L	424+194	" " 426+106	112 "
R	424+194	" " 426+154	160 "
R	500+50	" " 510+50	88 "
R	510+60	" " 511+00	40 "
L	510+60	" " 511+48	48 "
L	510+76	" " 511+00	24 "
R & L	511+50	" " 517+64	178 "
		" " 518+50	112 "
		" " 517+50	48 "
		" " 617+30	617+59
			TOTAL 1176 "

SUMMARY OF CONCRETE

	CLASS A	CLASS X
15	STANDARD CULVERT DESIGNS NO. 618-3	1095 CU. YDS.
1	" " " " 618-65	9.6 "
37	" " " " 743-1-1	88.0 "
1	" " " " 743-1-3	3.3 "
2	" " " " 743-5-1	8.4 "
1	" " " " 1111-7-3	4.2 "
1	SPECIAL " " STA. 355+40	8.1 "
1	" " " " STA. 439+40	10.5 "
1	" " " " 510+54	47.1 "
1	" " " " 544+05	11.7 "
1	" " " " 715+75	27.9 "
1	BRIDGE " " 424+69	107.8 "
1	" " " " 517+75	91.3 "
1	56 FT. 12 INCH TILE ENCASED " " 733+53	4.2 "
		539.6 "
		7.8 "



LAYOUT
SCALE 1 INCH = 1 MILE
NET LENGTH OF LAYOUT - 37830.8 FT. = 7.168 MILES

SUMMARY

Station to Station	Gross Length Along Transit Line	Correction for Curves	Correction for Relocations	Net Length Along Final Center Line	Omissions	Net Length to be Improved in Feet			Sq. Yds. of Pavement Over Bridges			
						Sta. to Sta.	10 Ft.	10 Ft. Total	Sta.	10 Ft.	10 Ft. Total	
355+23	735+62.7	10	3303.7	3703.7	546+04	547+03	8.9	3703.0	3703.0	42+16.9	20	7560.0
										517+7.9	21	
TOTAL				3703.7		8.9	3703.0	3703.0		21		7560.0

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
BUREAU OF HIGHWAYS

Jan. 23, 1925
G. M. Lamb

EXAMINED FEBRUARY 15, 1925
DRAWN - EXAMINED BY -
APPROVED FEBRUARY 16, 1925
APPROVED FEBRUARY 16, 1925
FILED -
APPROVED FEBRUARY 16, 1925

FOR INFORMATION ONLY

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8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

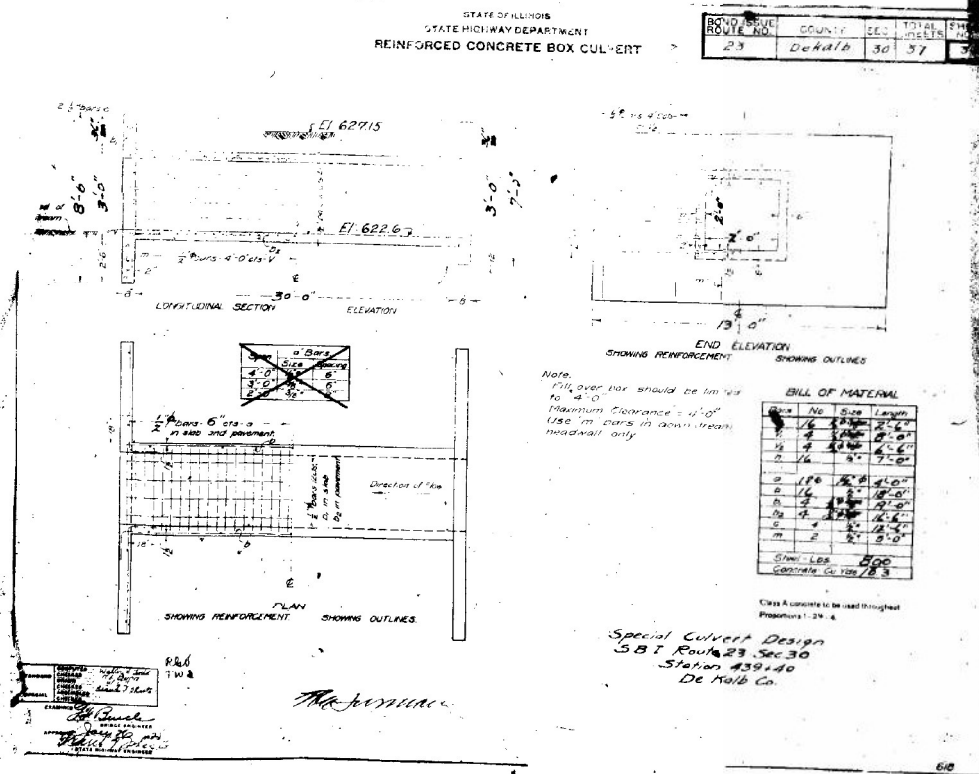
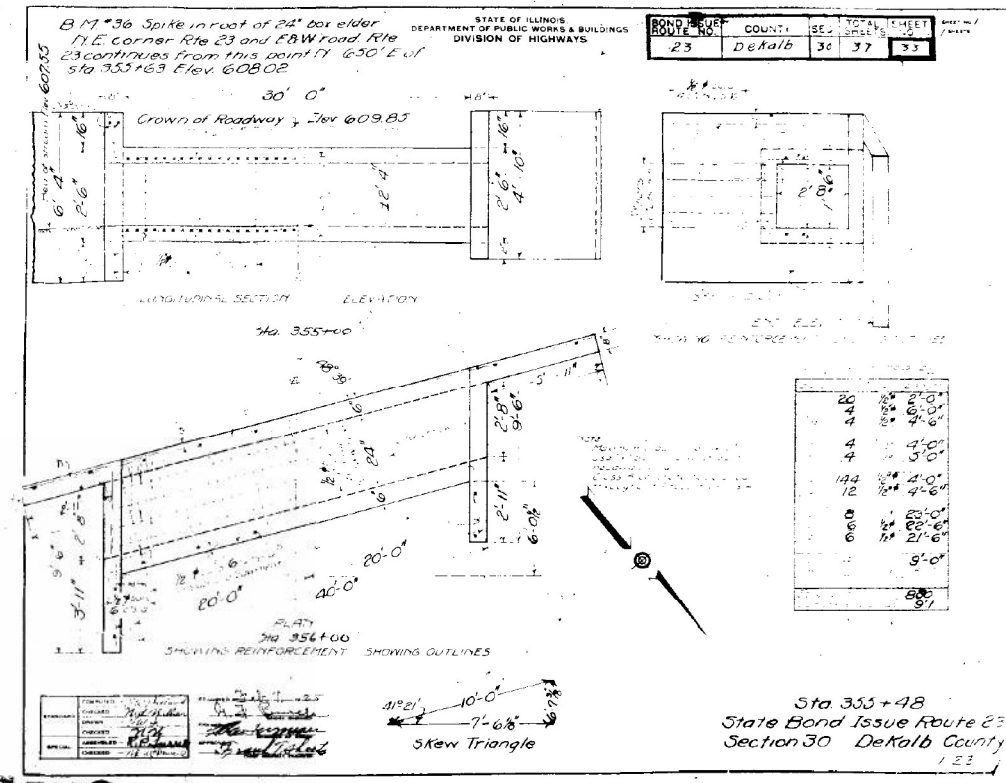
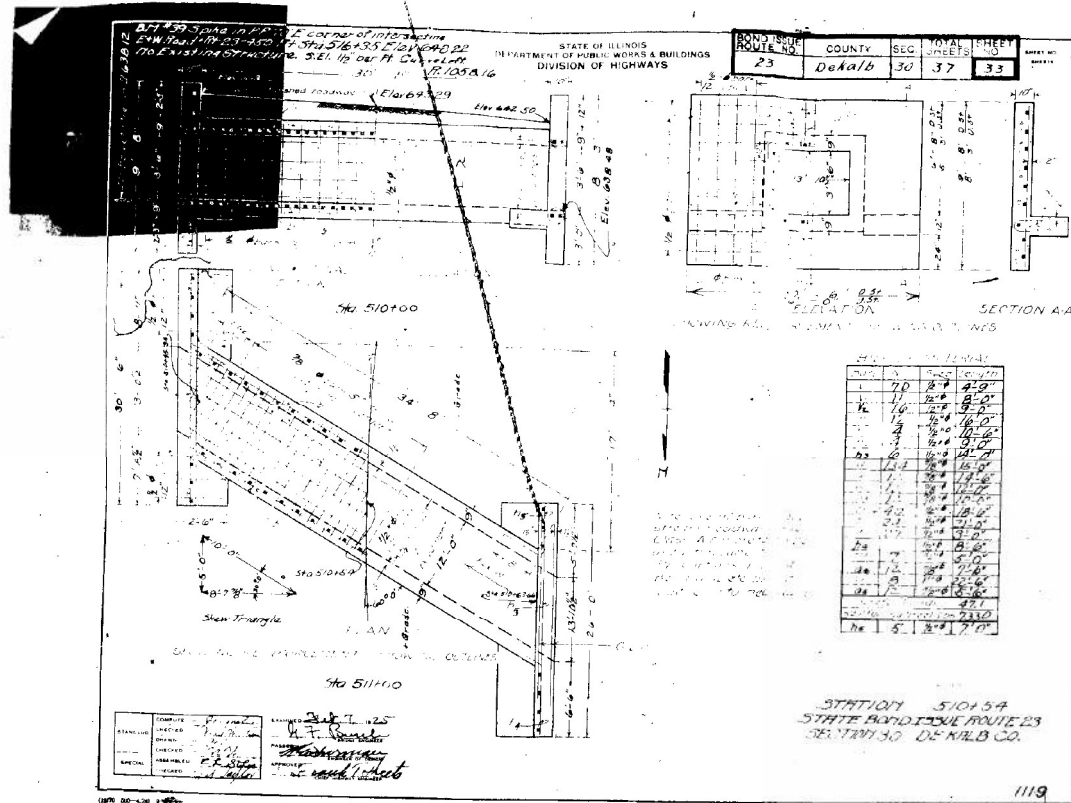
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	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 1
STRUCTURE NO. 019-2562

SHEET 5-11 OF 5-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6B	30CR-253B	DEKALB	52	42
CONTRACT NO.			66153	
ILLINOIS FED. AID PROJECT				



IL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	30,31,31X-1	DEKALB	13	1
ILLINOIS DAY LABOR NO. 15G308				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 68 (IL 23)
SECTION (30,31,31X)I-1
DEKALB COUNTY
CULVERT TOP SLAB REPAIR

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
- 5 - 6. STRUCTURE REPAIR PLANS
- 7 - 13. TRAFFIC CONTROL AND PROTECTION STANDARDS

STANDARDS

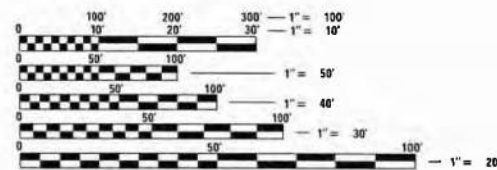
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, ≥ 45 MPH
701206-03	LANE CLOSURE, 2L, 2W, NIGHT ONLY, ≥ 45 MPH
701316-08	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR FOR SPEEDS > 45 MPH
701901-02	TRAFFIC CONTROL DEVICES



LOCATION OF SECTION INDICATED THUS:

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL
IL ROUTE 23
2013 ADT 1950
P.V 86.4% M.U. 8.2% S.U. 5.5%

PROJECT LOCATION
SN 019-2538
IL ROUTE 23 OVER A STREAM
0.6 MI SOUTH OF US 30



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

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

PROJECT ENGINEER: TOM HUFNAGEL
UNIT CHIEF: RON WOODSHANK

DAY LABOR NO. 15G308

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

FOR INFORMATION ONLY

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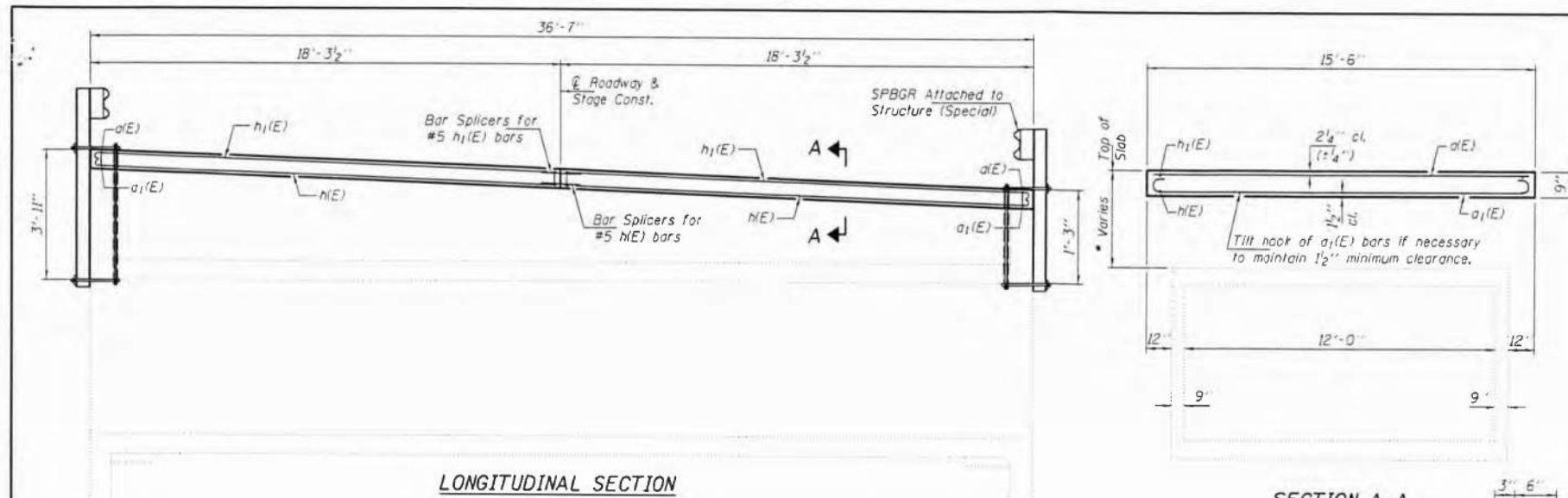


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	DRAWN - SBA	REVISED -
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PLOT DATE = 9/29/2023	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 3
STRUCTURE NO. 019-2562
SHEET 5-13 OF 5-14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	44
			CONTRACT NO.	66L53
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

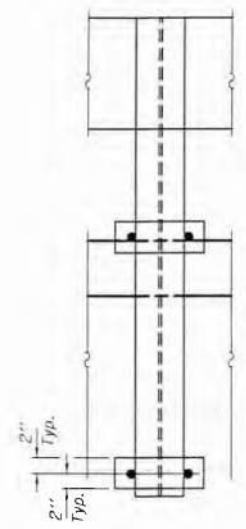
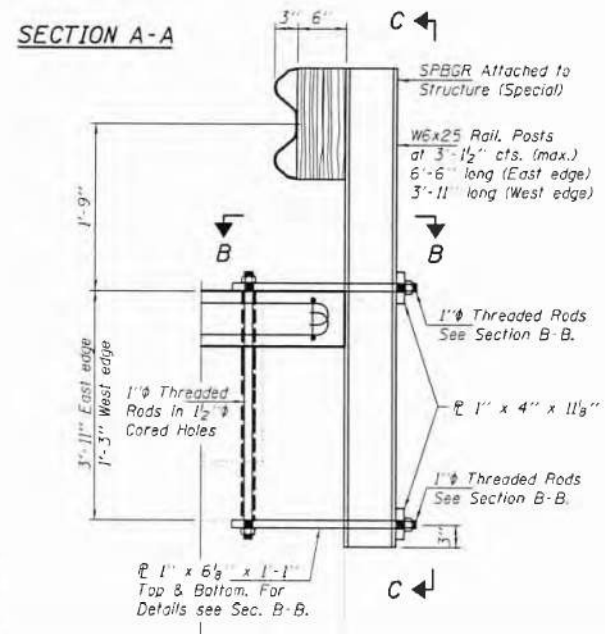
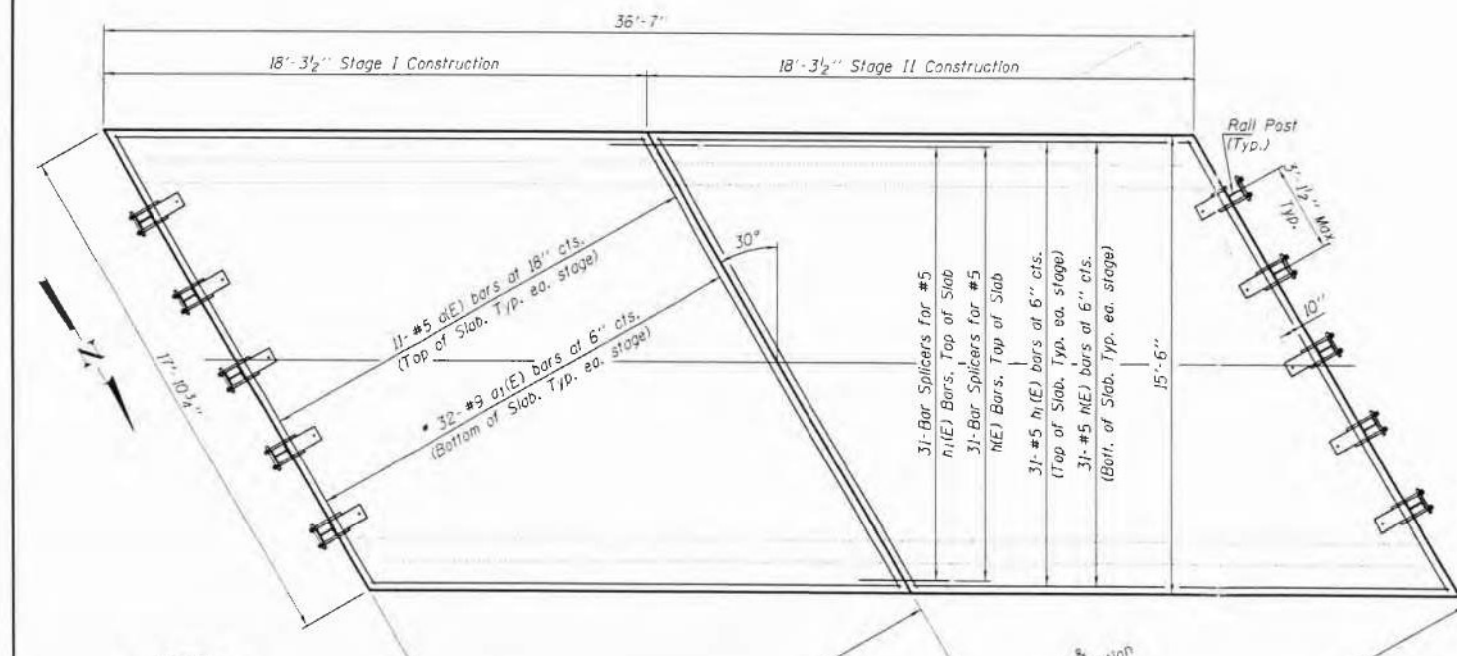
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

Reinforcement bars designated (E) shall be epoxy coated.

The slab surface shall have its final finish lined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

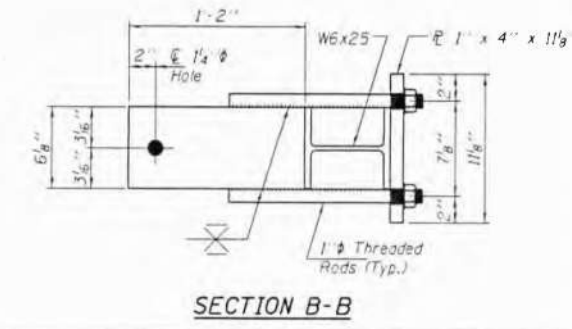
Remove 9" of existing HMA overlay and replace with 9" concrete slab as shown. Slope to match roadway. Cost of removal included with Hot-Mix Asphalt Surface Removal.

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



DESIGNED: <i>David Carl Puzey</i>	EXAMINED: <i>Timothy A. Alt</i>	DATE: MARCH 25, 2014
CHECKED: <i>Victor H. Volz</i>	PASSED: <i>David Carl Puzey</i>	REVISED:
DRAWN: <i>David</i>		REVISED:
CHECKED: <i>David</i>		REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION B-B

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	22	#5	17'-6"	—
a1(E)	64	#9	20'-1"	—
h1(E)	62	#5	18'-7"	—
h1(E)	62	#5	18'-0"	—
Bar Splicers		Each	62	
Hot Mix Asphalt Surface Removal		Sq. Yds.	63.0	
Reinforcement Bars, Epoxy Coated		Pound	7140	
Concrete Superstructure		Cu. Yds.	15.8	
SPBGR Attached to Structure (Special)		Foot	36.0	

PLAN & ELEVATION
ILLINOIS ROUTE 23 OVER STREAM
SN 019-2538

F.A.P. RTE.	SECTION	COUNT	TOTAL SHEETS
SB (30,31,31x)I-1	68	30CR-2538	52
		DEKALB	45
		CONTRACT NO.	56308

FOR INFORMATION ONLY

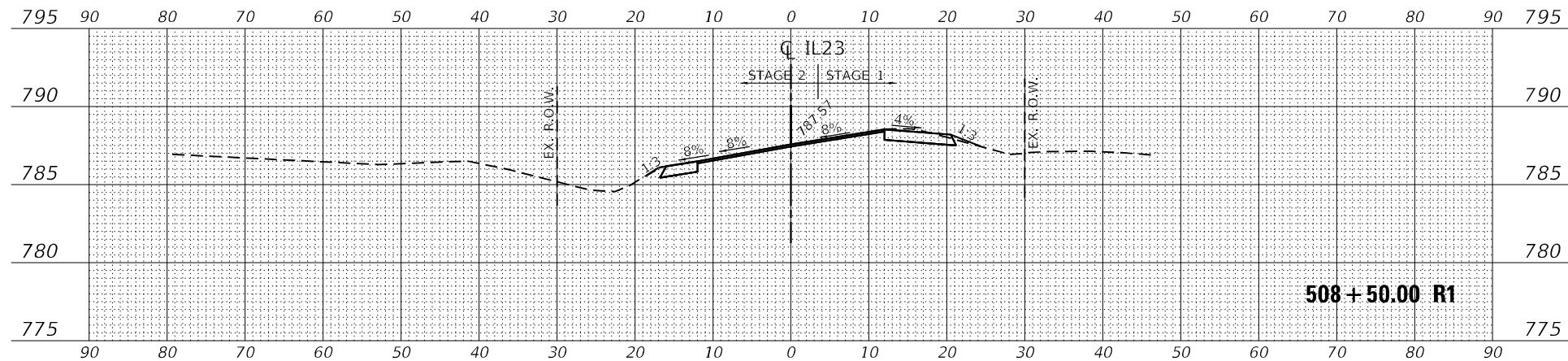
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	DATE - 9/29/2023	REVISED -

F.A.P. RTE.	SECTION	COUNT	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	45
		CONTRACT NO.	66153	

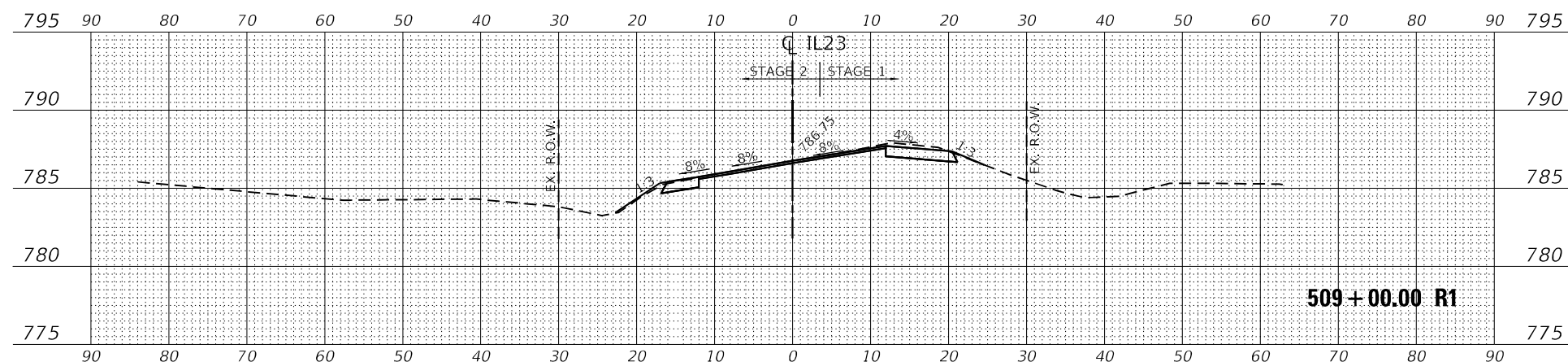
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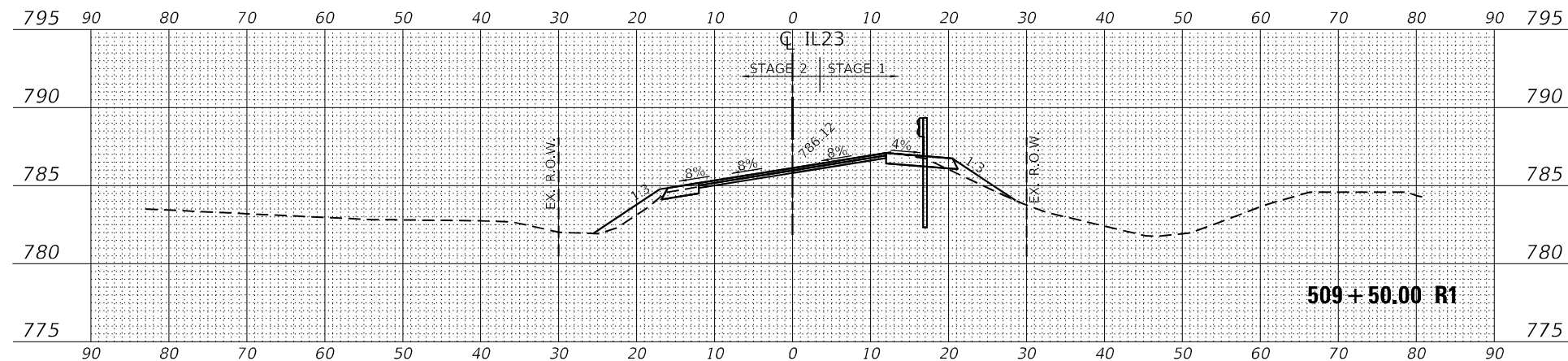
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CUT: 1.87 SQ. FT
 FILL: 0.77 SQ. FT



CUT: 2.76 SQ. FT
 FILL: 1.48 SQ. FT



CUT: 0.06 SQ. FT
 FILL: 10.24 SQ. FT



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 23
 CROSS SECTION

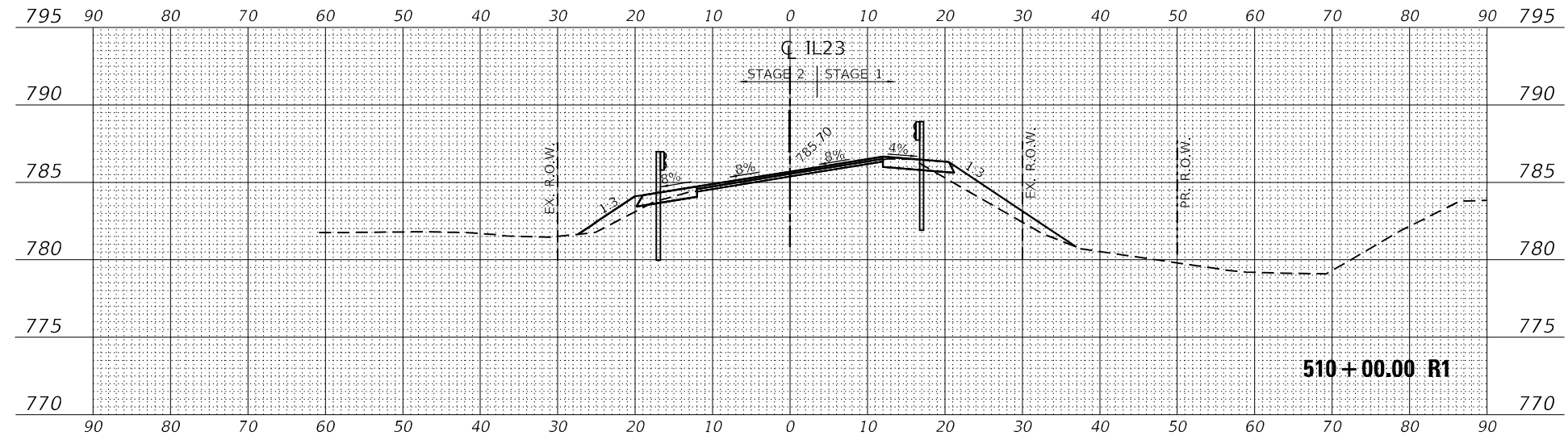
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68	30CR-2538	DEKALB	52	46
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				

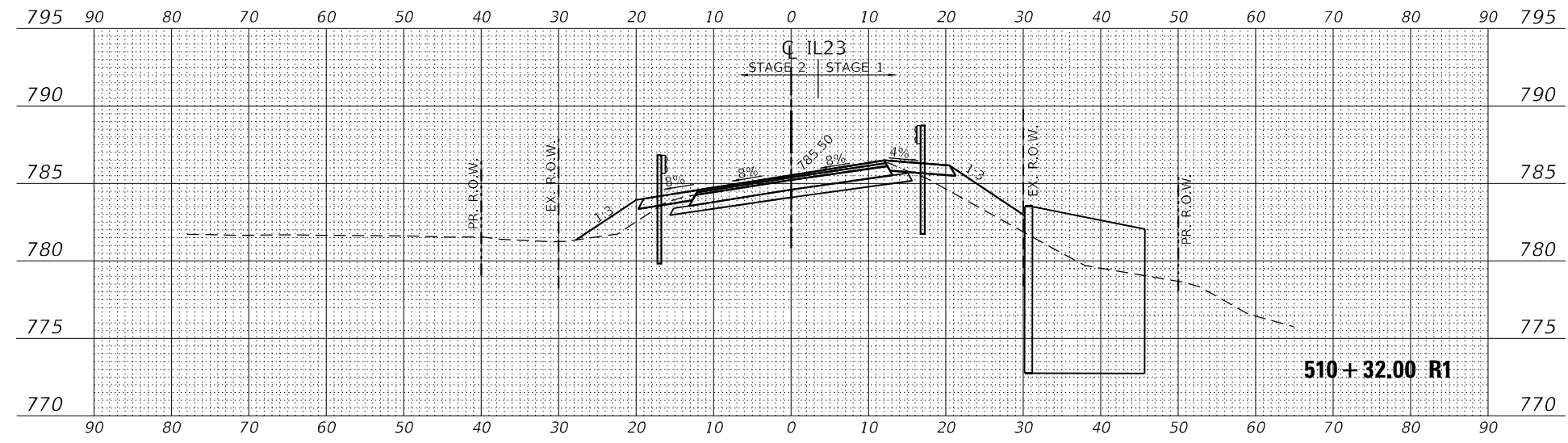
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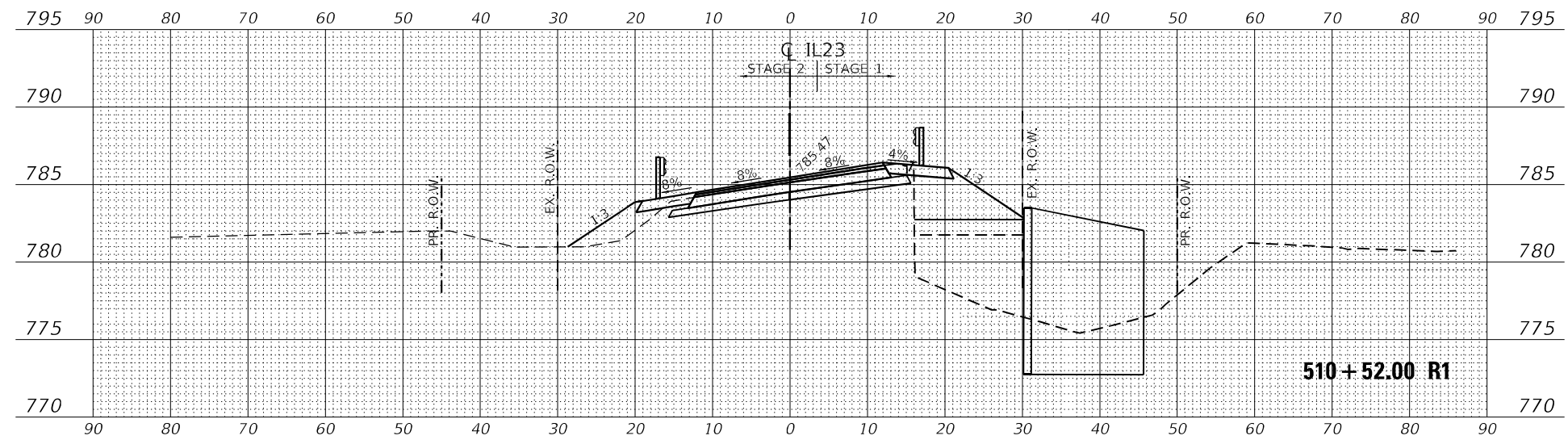
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CUT: 0.11 SQ. FT
 FILL: 22.01 SQ. FT



CUT: 1.61 SQ. FT
 FILL: 40.30 SQ. FT



CUT: 1.61 SQ. FT
 FILL: 64.35 SQ. FT



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 23
 CROSS SECTION

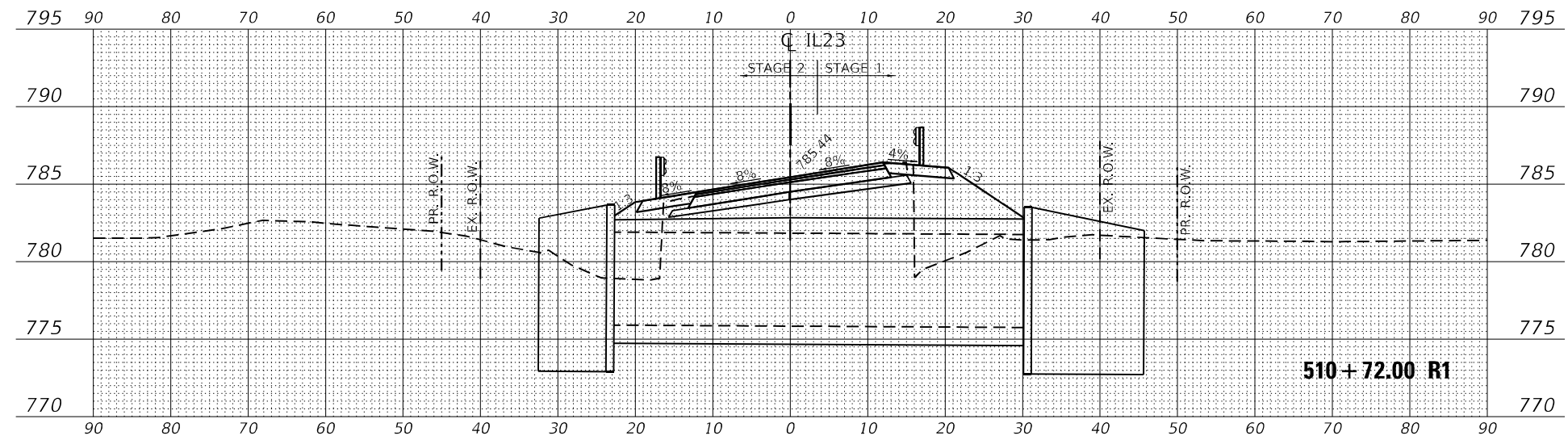
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			CONTRACT NO. 66L53	
			ILLINOIS FED. AID PROJECT	

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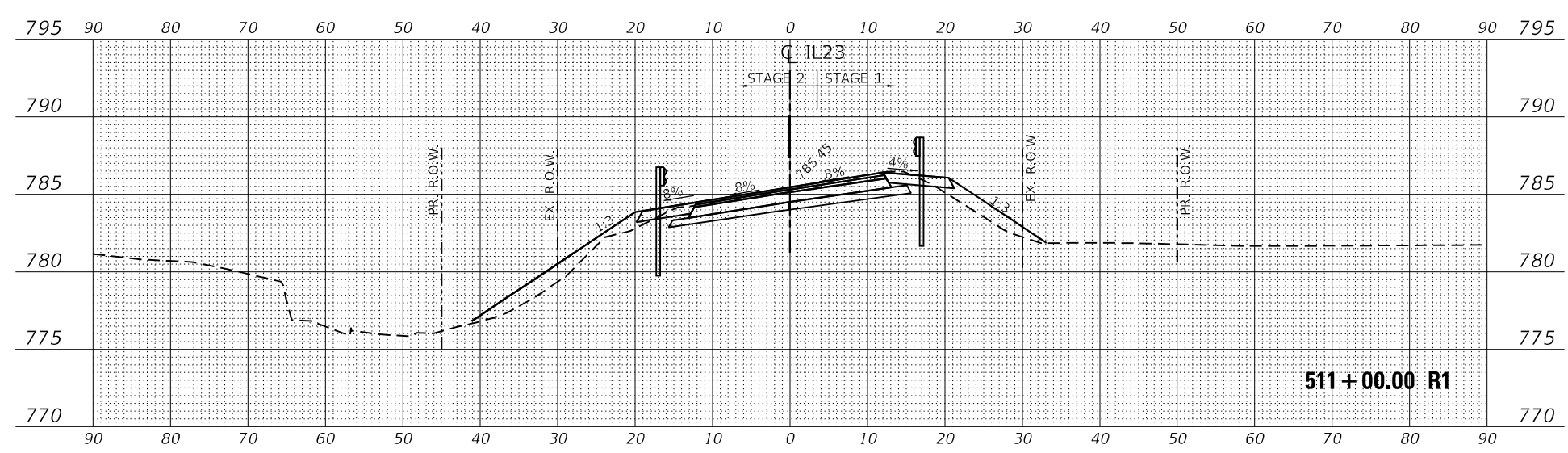
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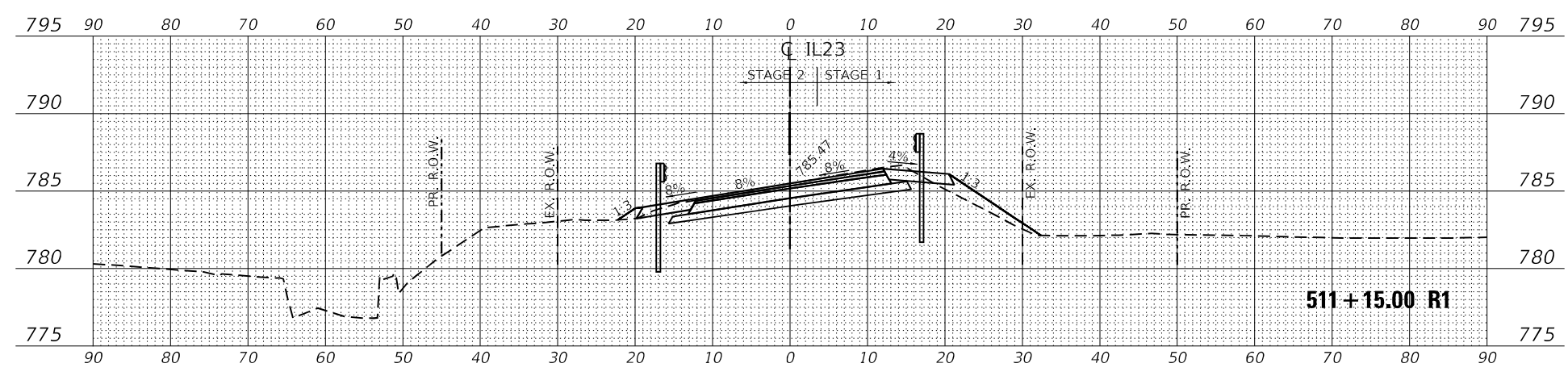


EXISTING CULVERT
 REPLACEMENT

CUT: 0
 FILL: 0



CUT: 6.20 SQ. FT
 FILL: 48.12 SQ. FT



CUT: 4.99 SQ. FT
 FILL: 25.68 SQ. FT



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PLOT DATE	=	CHECKED	-	MM	REVISED	-
		DATE	-	10/02/2023	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 23
 CROSS SECTION

SCALE: SHEET 3 OF 4 SHEETS STA. 510+72.00 R1 TO STA. 511+15.00 R1

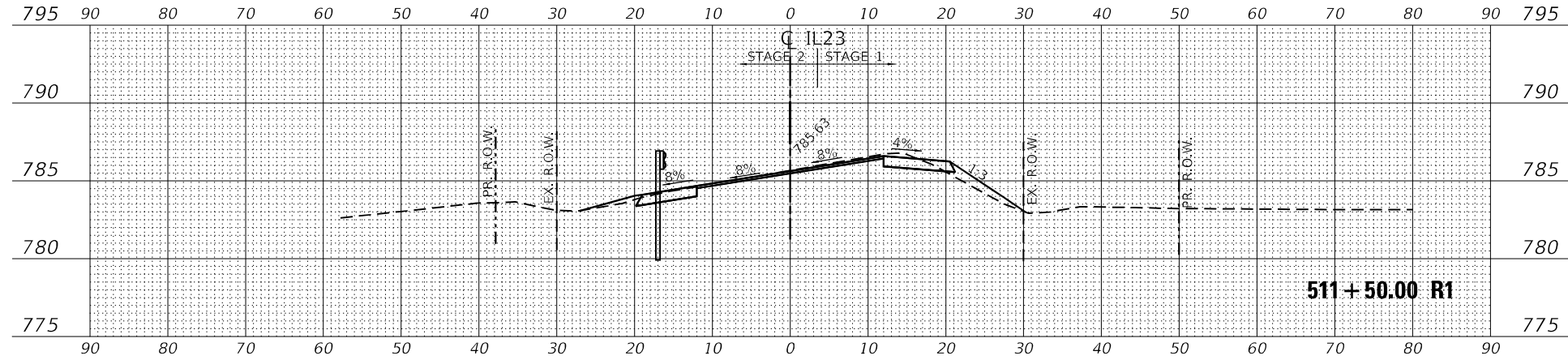
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68	30CR-2538	DEKALB	52	48
				CONTRACT NO. 66L53

ILLINOIS FED. AID PROJECT

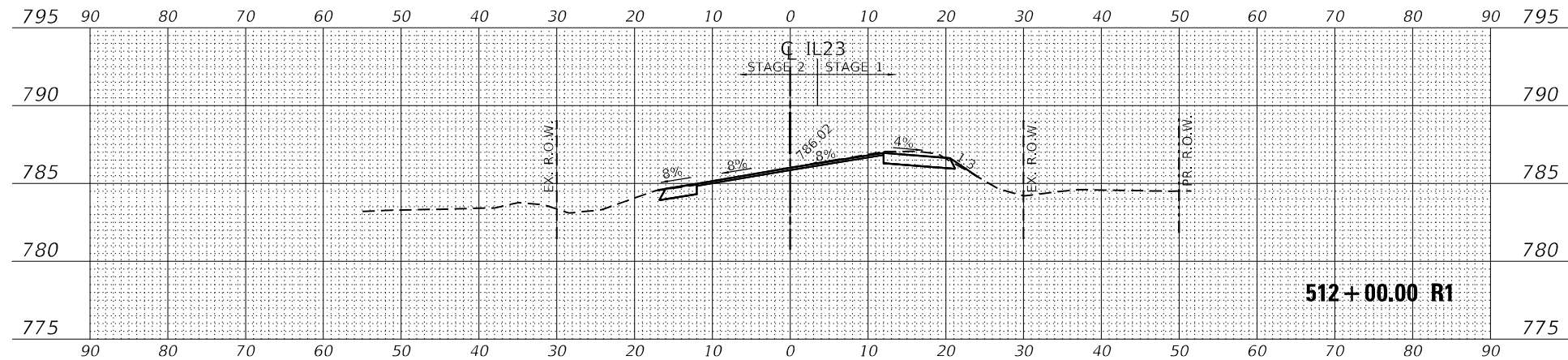
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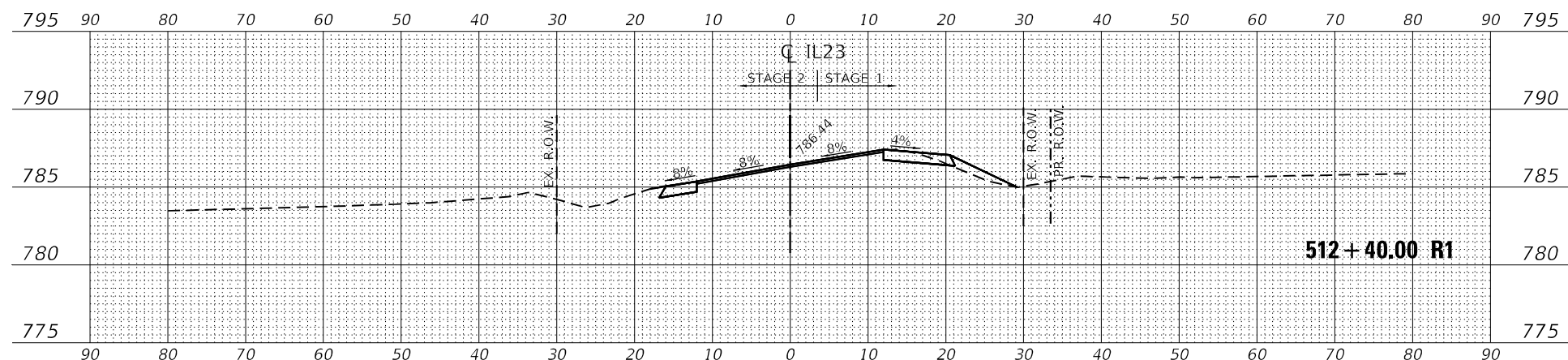
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CUT: 2.08 SQ. FT
 FILL: 7.13 SQ. FT



CUT: 3.11 SQ. FT
 FILL: 1.10 SQ. FT



CUT: 1.64 SQ. FT
 FILL: 3.76 SQ. FT



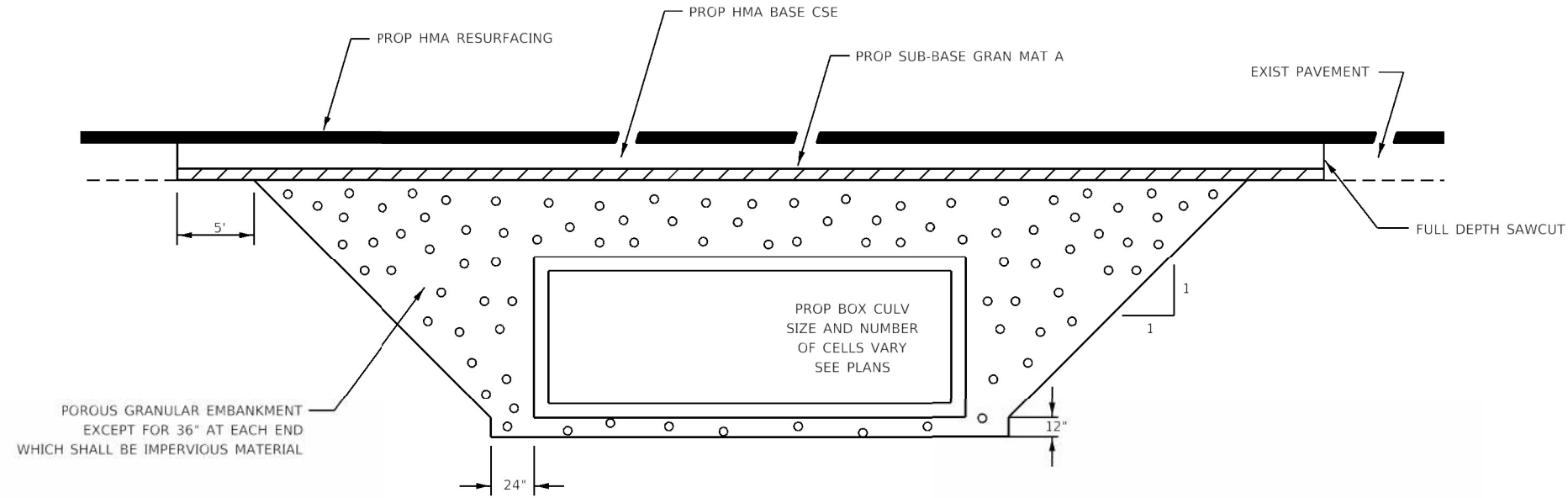
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

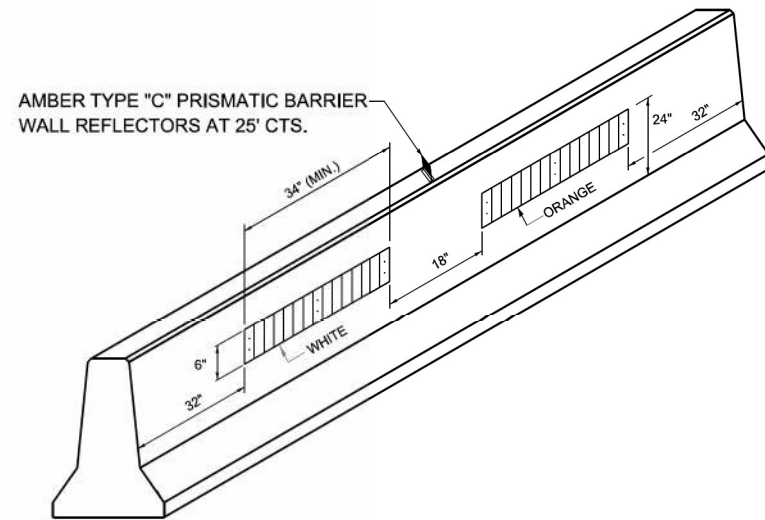
IL ROUTE 23
 CROSS SECTION

SCALE: SHEET 4 OF 4 SHEETS STA. 511+50 R1 TO STA. 512+40.00 R1

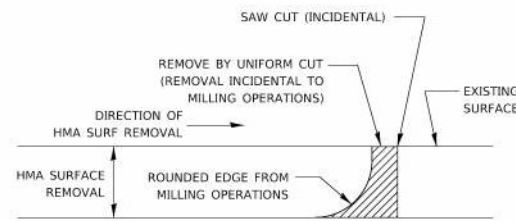
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68	30CR-2538	DEKALB	52	49
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				



SECTION THROUGH CAST-IN-PLACE BOX CULVERT

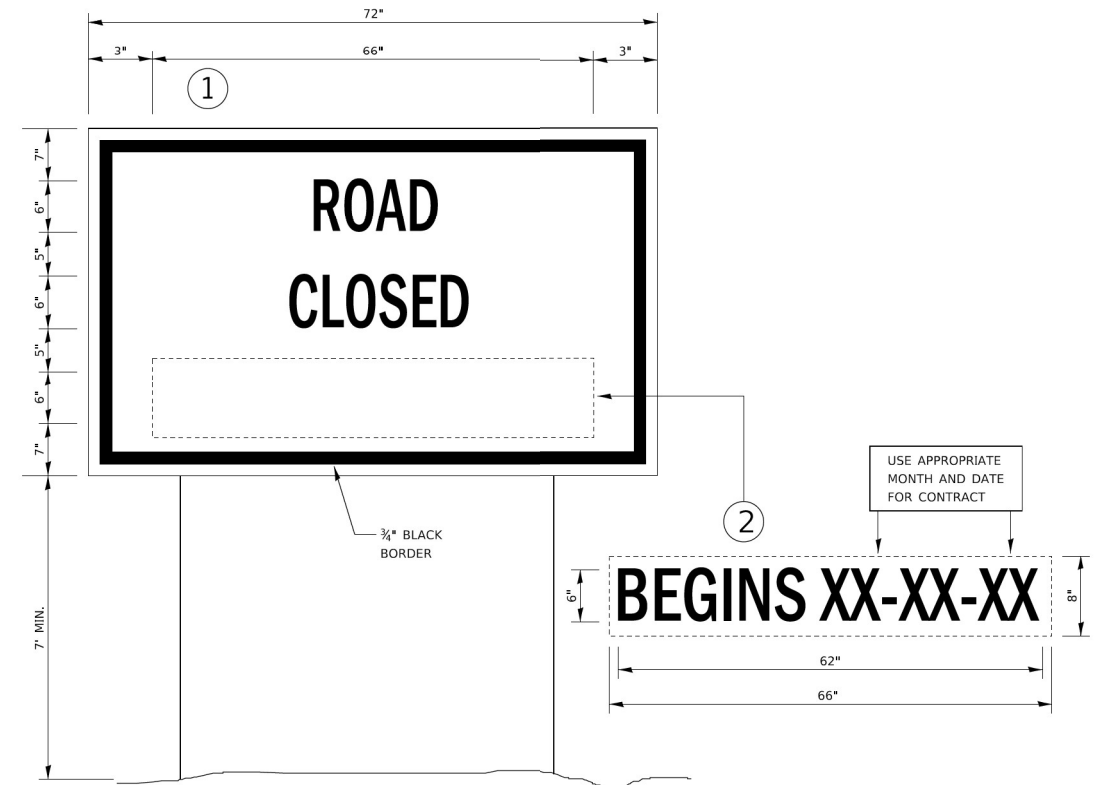


LINEAR DELINEATOR PANELS FOR TEMPORARY CONCRETE BARRIER



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS



TEMPORARY INFORMATION SIGNING

NOTES:

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

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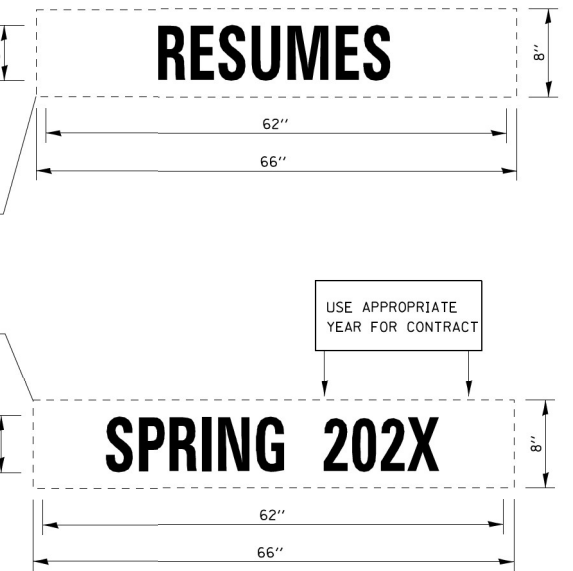
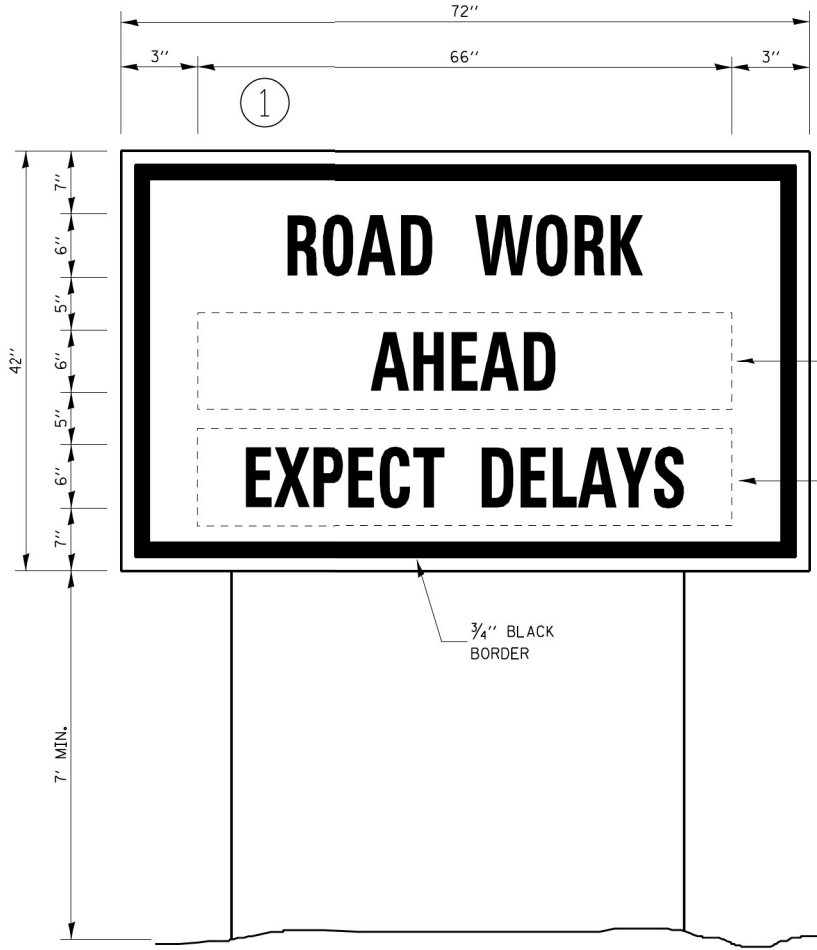
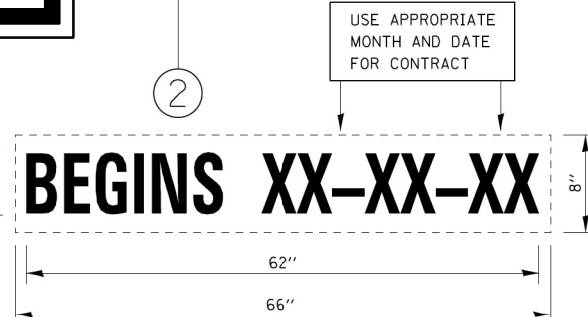
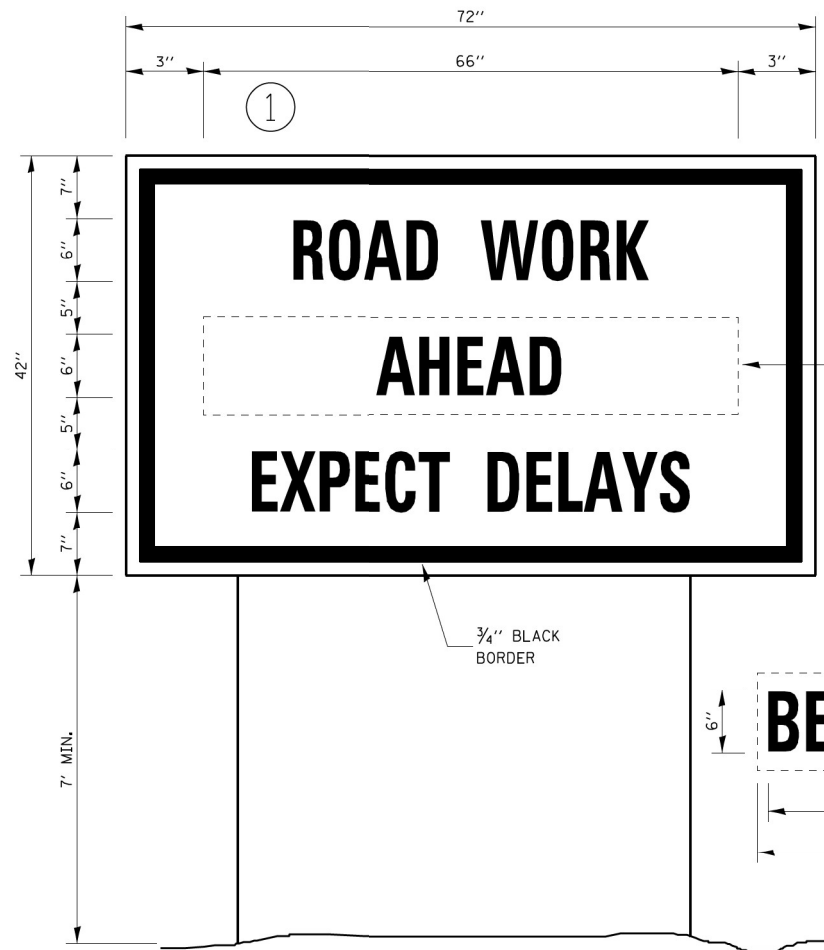
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	51
			CONTRACT NO. 66L53	
ILLINOIS FED. AID PROJECT				

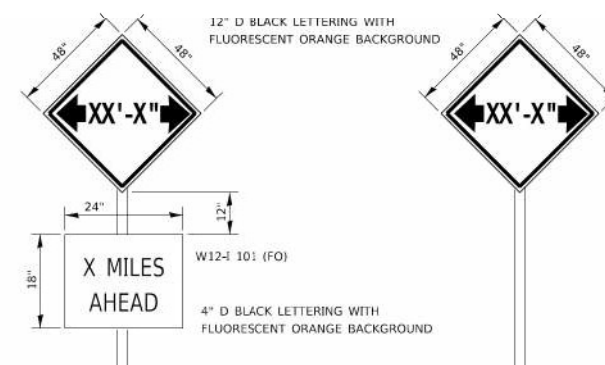


TEMPORARY INFORMATION SIGNING

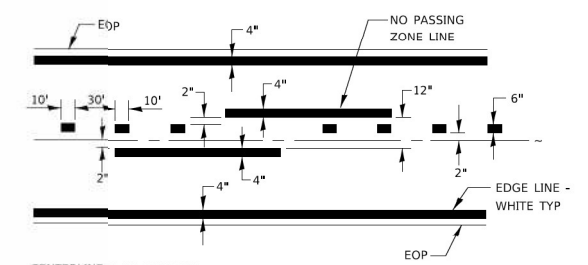
WINTER SHUT DOWN SIGNING

NOTES:

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



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.
 COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.



PAVEMENT MARKING

WIDTH RESTRICTION SIGNING DETAILS

MODEL Path: Z:\Share\Projects\DOT\03-2020-22 - OSEH03_Design\02_CADD_Sheets\W03\0266653-shit-03040404\details.dgn



USER NAME = ChiSengCheong	DESIGNED - KLN	REVISED -
DRAWN - CC	REVISED -	
PLOT SCALE = 40,0000 */ in.	CHECKED - MM	REVISED -
PLOT DATE = 10/2/2023	DATE - 10/02/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	30CR-2538	DEKALB	52	52
CONTRACT NO. 66L53				
ILLINOIS FED. AID PROJECT				