

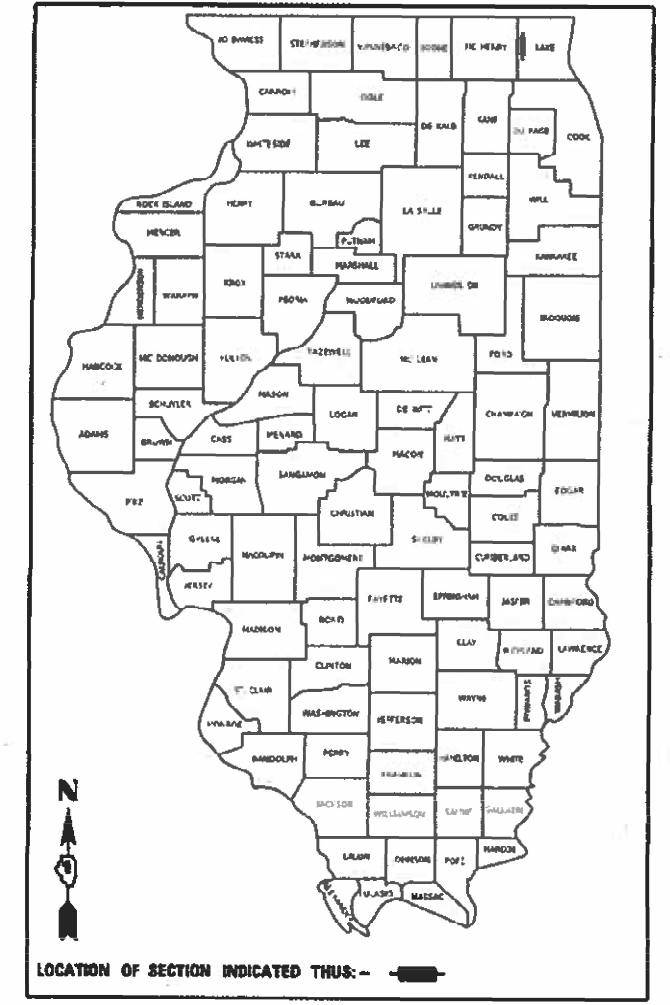
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**PROPOSED**  
**HIGHWAY PLANS**  
**FAP ROUTE 334: US RTE 12 /IL RTE 59**  
**(RAND ROAD) AT FISH CREEK**  
**SECTION 2020-251-BR**  
**FEDERAL PROJECT NUMBER NHPP-1MYI(349)**  
**BRIDGE DECK OVERLAY AND BRIDGE REPAIR**  
**LAKE COUNTY**  
**C-91-066-21**

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0334	2020-251-BR	LAKE	37	1
		ILLINOIS	CONTRACT NO. 62N23	

**D-91-061-21**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**DESIGN DESIGNATION:**  
**PRINCIPAL ARTERIAL**  
**FAP ROUTE 334: US RTE 12 /IL RTE 59**  
**2019 ADT = 23,300**  
**SPEED LIMIT 45 /55 MPH**



*Brandon Brown*  
 DATE SIGNED: 10-4-21  
 EXP. DATE: 11-30-22  
 SHEETS: 23-31



*Joseph Davis*  
 DATE SIGNED: 01-25-22  
 EXP. DATE: 02-08-22  
 SHEETS: 1-22

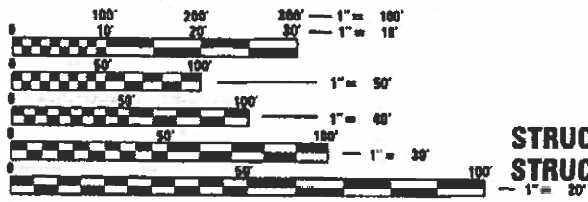
**IMPROVEMENT LOCATED IN THE VILLAGE OF VOLO**

**PROJECT ENDS STA. 37 + 30 (C)**

**STRUCTURE NO. 049-D012**  
**STRUCTURE NO. 049-D015**  
**STRUCTURE NO. 049-0021**

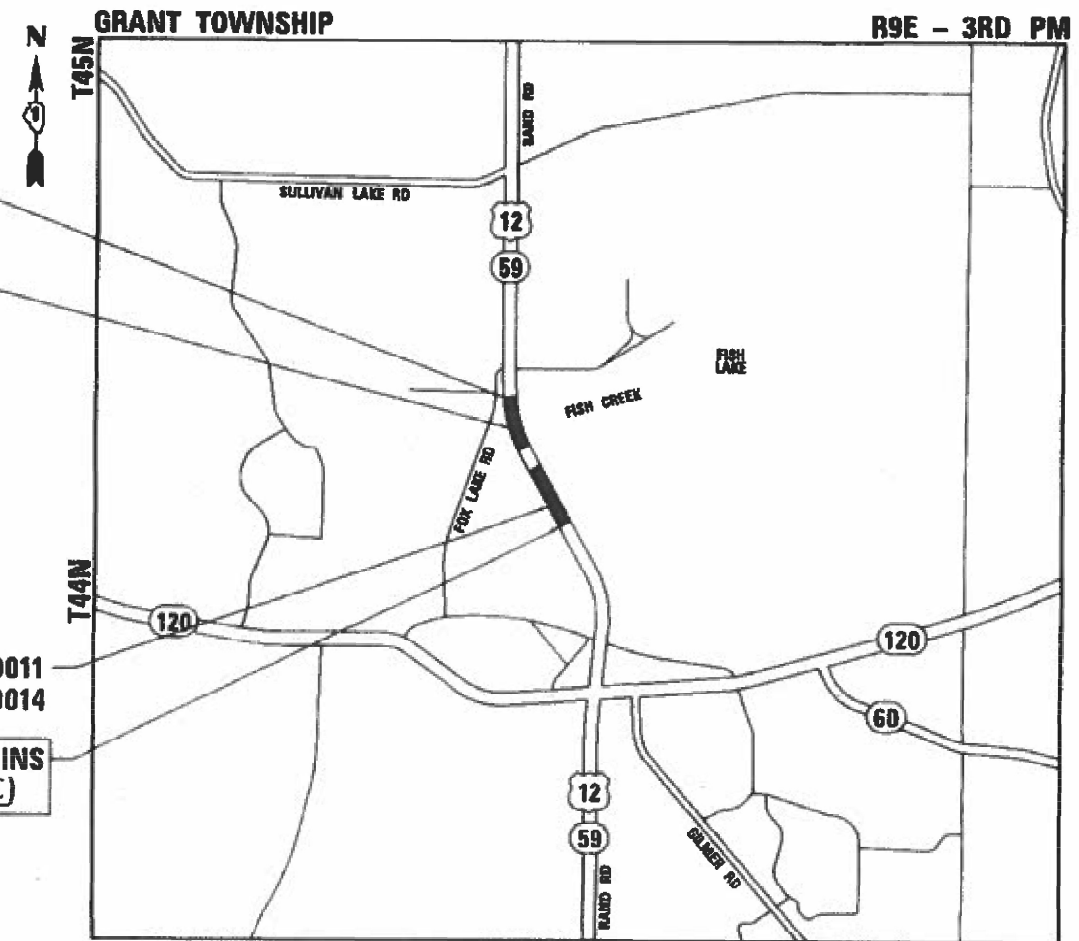
**STRUCTURE NO. 049-D011**  
**STRUCTURE NO. 049-D014**

**PROJECT BEGINS STA. 11 + 80 (C)**



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

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



**LOCATION MAP (NOT TO SCALE)**  
 GROSS LENGTH = 2535 FT = 0.480 MILE  
 NET LENGTH = 1838 FT = 0.348 MILE

**PROJECT ENGINEER: MR. PRAVEEN KAINI, PE (847) 705-4237**  
**PROJECT MANAGER: MR. J. ALAIN MIDY, PE (847) 221-3056**

**CONTRACT NO. 62N23**

**Accurate GROUP, INC.**  
 WWW.ACCGI.COM  
 101 SCHELTER RD., SUITE B-200  
 LINCOLNSHIRE, ILLINOIS 60069  
 T (847) 613-1100 F (847) 613-1105  
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184,00263

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SUBMITTED: January 28, 2022  
Joseph Davis REGIONAL ENGINEER  
 March 25, 2022  
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT  
 March 25, 2022  
Stephen M. Faria DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 2

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				80% FED 20% STATE						
				ROADWAY	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0004	0004	0004	0004	0004	0004	
				URBAN	SN 049-0021	SN 049-D012	SN 049-D015	SN 049-D011	SN 049-D014	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	379		379					
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	2460	2460						
25000210	SEEDING, CLASS 2A	ACRE	0.06	0.06						
25100630	EROSION CONTROL BLANKET	SQ YD	2469	2469						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	51	51						
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30						
28000400	PERIMETER EROSION BARRIER	FOOT	6535	6535						
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2469	2469						
28100101	STONE RIPRAP, CLASS A1	SQ YD	15	15						
28100105	STONE RIPRAP, CLASS A3	SQ YD	122		122					
28200200	FILTER FABRIC	SQ YD	137	15	122					
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2677	2677						
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1200	1200						
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	300	300						
50300225	CONCRETE STRUCTURES	CU YD	9.5		9.5					

\* SPECIALTY ITEMS



USER NAME = jdavis	DESIGNED - JD	REVISED -
	DRAWN - JD	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/4/2022	DATE - 01/21/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES - I  
 US 12 /IL 59 AT FISH CREEK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	3
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT 1MVI(349)	

CONSTRUCTION CODE  
80% FED  
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
				0004	0004	0004	0004	0004	0004
				URBAN	SN 049-0021	SN 049-D012	SN 049-D015	SN 049-D011	SN 049-D014
50300260	BRIDGE DECK GROOVING	SQ YD	11042			2511	1507	3943	3081
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2510		2510				
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	1440			320	200	520	400
542C0265	PIPE CULVERTS, CLASS C, TYPE 1 60"	FOOT	96		96				
60920060	PIPE CULVERTS TO BE CLEANED 60"	FOOT	116		116				
*63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1					
63200310	GUARDRAIL REMOVAL	FOOT	13	13					
*66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	295	295					
*66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					
*66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
*66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
*66901006	REGULATED SUBSTANCES MONITORING	CAL DA	8	8					
67100100	MOBILIZATION	L SUM	1	1					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56	56					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1172	1172					

\* SPECIALTY ITEMS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES - II  
US 12 /IL 59 AT FISH CREEK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	4
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT 1MVI(349)	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY		BRIDGE		BRIDGE		
				0004	0004	0004	0004	0004	0004	
				URBAN	SN 049-0021	SN 049-D012	SN 049-D015	SN 049-D011	SN 049-D014	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	7704	7704						
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	20920	20920						
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	682	682						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2912.5	2912.5						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2912.5	2912.5						
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4						
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4771	4771						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	257	257						
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	5623	5623						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	99	99						
78100300	REPLACEMENT REFLECTOR	EACH	114	114						
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	346	346						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	99	99						
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2560	2560						

\* SPECIALTY ITEMS

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PLOT DATE = 2/4/2022	DATE - 01/21/2022	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES - III  
US 12 /IL 59 AT FISH CREEK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	5
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT 1MVI(349)	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED 20% STATE					
				ROADWAY 0004	BRIDGE 0004	BRIDGE 0004	BRIDGE 0004	BRIDGE 0004	BRIDGE 0004
				URBAN	SN 049-0021	SN 049-D012	SN 049-D015	SN 049-D011	SN 049-D014
* X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	319		319				
X0556100	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	811			377	227	103	104
X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1	1					
X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.53	0.53					
X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.53	0.53					
X2503110	MOWING (SPECIAL)	ACRE	0.53	0.53					
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	6626			1507	904	2366	1849
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
X7010410	SPEED DISPLAY TRAILER	CAL MO	9	9					
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	114	114					
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	11042			2511	1507	3943	3081
Z0012142	BRIDGE DECK SCARIFICATION 2 1/4"	SQ YD	11042			2511	1507	3943	3081
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	40		40				
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	6839			1560	958	2419	1902
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	58	58					
Ø Z0076600	TRAINEES	HOUR	500	500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

\* SPECIALTY ITEMS



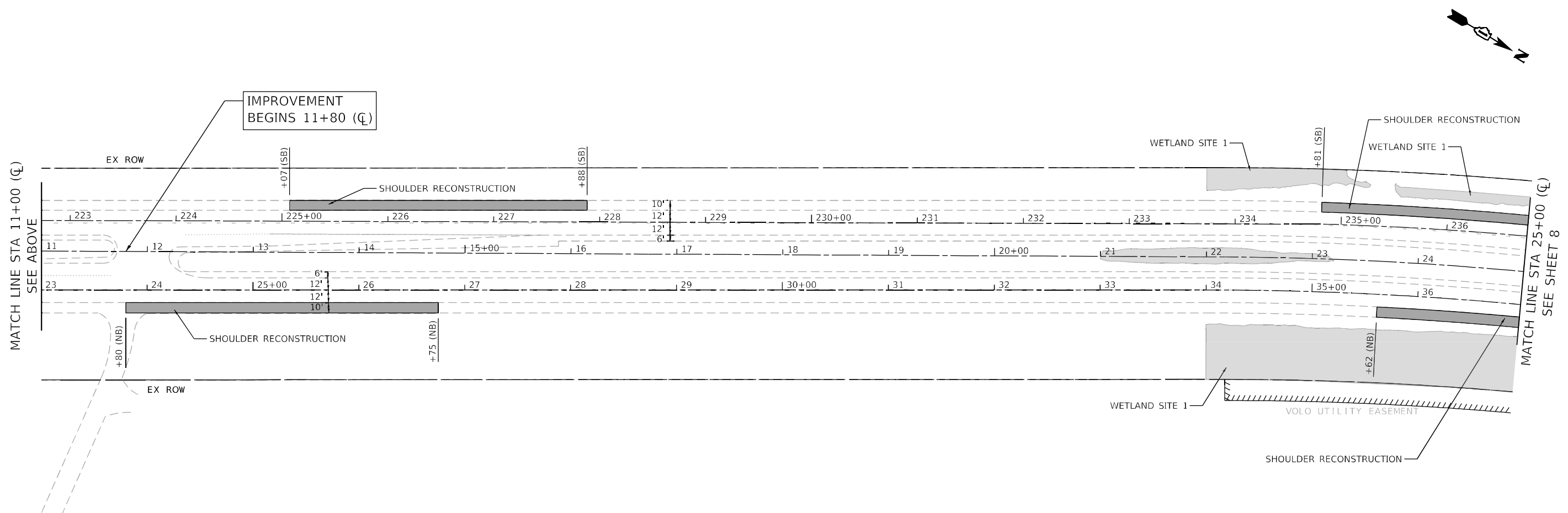
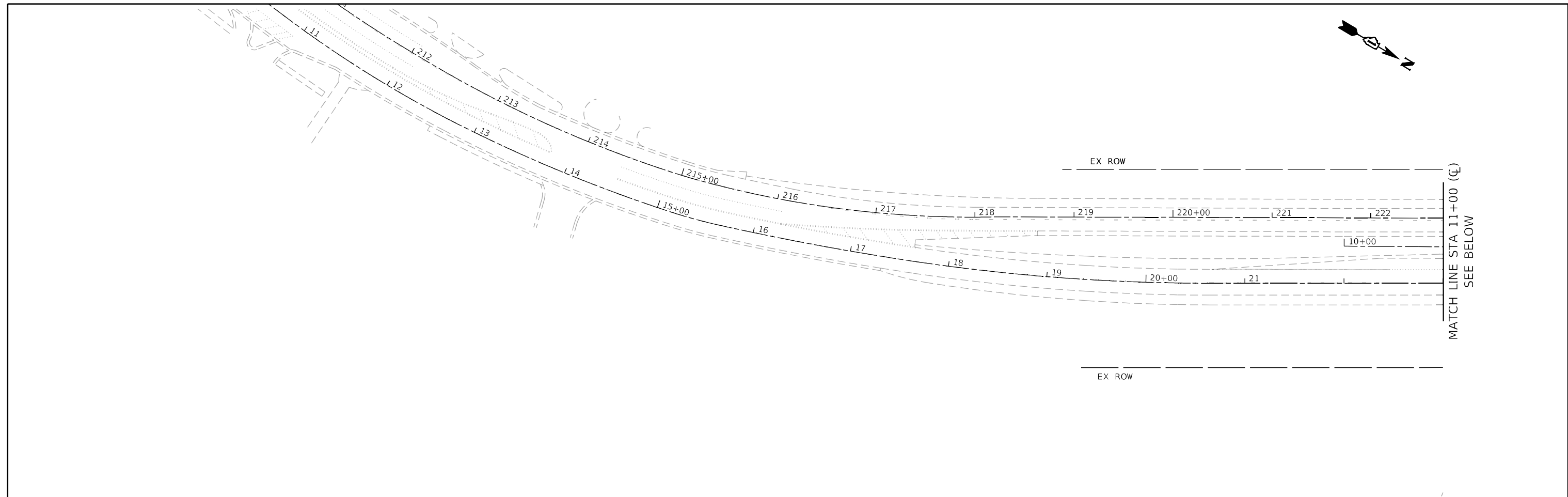
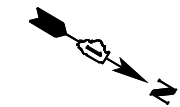
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PLOT DATE = 2/4/2022	DATE - 01/21/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES - IV  
 US 12 /IL 59 AT FISH CREEK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	6
CONTRACT NO. 62N23			Ø0042	
ILLINOIS FED. AID PROJECT 1MVI(349)				



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

**EXISTING AND PROPOSED - I**  
**US 12 /IL 59 AT FISH CREEK**

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

F.A.P. RTE. 334	SECTION 2020-251-BR	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 7
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT 1MVI(349)				



**GENERAL NOTES**

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN ON THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
3. DRUMS OR TYPE II BARRICADES SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 100 FEET CENTER TO CENTER IN TANGENTS, 50 FEET CENTER TO CENTER IN TAPERS, AND 25 FEET CENTER TO CENTER IN RADII IN THE CONSTRUCTION WORK ZONE.
4. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR THE INITIAL PLACEMENT AND A ONE-TIME REPLACEMENT HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO 7 DAYS OF SERVICE OR REPLACEMENT AFTER THE INITIAL REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
5. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE BRIDGE CONSTRUCTION AND ALL SUBSEQUENT STAGE CHANGES ON US ROUTE 12/IL ROUTE 59, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT ALONG US ROUTE 12/IL ROUTE 59 AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING BRIDGE CONSTRUCTION / STAGE CHANGE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.
6. WORK ZONE SPEED LIMIT SHALL BE 45 MPH ON US ROUTE 12/IL ROUTE 59.
7. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
8. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS, AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS.
10. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
11. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGE OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.
13. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE 11' THRU-LANE FOR BOTH NB AND SB TRAFFIC UNLESS OTHERWISE SPECIFIED.
14. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.
15. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL AS SHOWN IN PLANS.
16. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, IF THEY WERE REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION. THE COST TO REPAIR ANY DAMAGES WILL BE BORNE BY THE CONTRACTOR AND NOT THE RESPONSIBILITY OF THE DEPARTMENT.
17. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PAVEMENT MARKING TAPE - TYPE IV UNLESS OTHERWISE NOTED.
18. REMOVAL OF TEMPORARY PAVEMENT MARKINGS SHALL BE PAID FOR AS SHORT TERM PAVEMENT MARKING REMOVAL.
19. VEHICULAR ACCESS TO LOCAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
20. ALL "ROAD CONSTRUCTION AHEAD" AND "SHOULDER CLOSED AHEAD" SIGNS WILL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.

**SUGGESTED SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC**

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER. FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE ENDS OF THE PROJECT ALONG US ROUTE 12/IL ROUTE 59 AND IMPACTED CROSS STREETS. THE IMPROVEMENTS WILL BE CONSTRUCTED USING LANE SHIFTS ONTO EXISTING SHOULDERS, SHORT TERM AND LONG TERM SHOULDER AND LANE CLOSURES, PER DISTRICT ONE STANDARDS TC-10, TC-11, TC-13, TC-14, TC-22, TC-26, HIGHWAY STANDARDS 701101, 701106, 701421, 701426, 701601, AND 701901.

**PRE-STAGE**

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY ENGINEER.
2. UTILIZE HIGHWAY STANDARD 701421 TO PATCH THE NORTHBOUND OUTSIDE SHOULDER IN ORDER TO PLACE TRAFFIC ON THE SHOULDER DURING STAGE 1.
3. INSTALL PERIMETER EROSION BARRIER AS SHOWN IN THE PLANS.

**STAGE 1**

1. UTILIZE HIGHWAY STANDARD 701426 TO REMOVE CONFLICTING PERMANENT PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS. INSTALL TEMPORARY PAVEMENT MARKINGS AS DETAILED IN THE TRAFFIC CONTROL PLAN TO CLOSE THE NORTHBOUND AND SOUTHBOUND INSIDE SHOULDERS AND LANES ON THE BRIDGE DECK.
2. UTILIZE HIGHWAY STANDARD 701421 TO INSTALL TRAFFIC CONTROL DEVICES AS SHOWN IN THE MOT PLANS TO CLOSE THE NORTHBOUND AND SOUTHBOUND INSIDE SHOULDERS AND LANES AND SHIFT TRAFFIC ONTO THE OUTSIDE SHOULDER.
3. COMPLETE WEST SIDE CULVERT REPAIRS INCLUDING REPAIR OF WEST WING WALL, INSTALLATION OF HEADWALLS, REMOVAL AND REPLACEMENT OF GUARDRAIL, GROUT THE CULVERT WITH LIGHTWEIGHT FLOWABLE FILL, INSTALLATION OF RIPRAP AND LANDSCAPE.
4. PERFORM BRIDGE DECK REPAIR, RECONSTRUCT BRIDGE DECK EXPANSION JOINTS, AND BRIDGE DECK CONCRETE OVERLAY, ON THE INSIDE LANES IN BOTH DIRECTIONS AS SHOWN IN PLANS. PRIOR TO REMOVING TEMPORARY CONCRETE BARRIER WALL ANY OPEN HOLES IN THE ROADWAY SHALL BE FILLED OR PLATED FOR SAFETY. THE COST FOR PLATING OR FILLING OF OPEN HOLES SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)

**STAGE 2**

1. UTILIZE HIGHWAY STANDARD 701426 TO REMOVE CONFLICTING PERMANENT AND TEMPORARY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS. INSTALL TEMPORARY PAVEMENT MARKINGS AS DETAILED IN THE TRAFFIC CONTROL PLAN TO CLOSE THE NORTHBOUND AND SOUTHBOUND OUTSIDE SHOULDERS AND LANES ON THE BRIDGE DECK.
2. UTILIZE HIGHWAY STANDARD 701421 TO INSTALL TRAFFIC CONTROL DEVICES AS SHOWN IN THE MOT PLANS TO CLOSE THE NORTHBOUND AND SOUTHBOUND OUTSIDE SHOULDERS AND LANES.
3. COMPLETE EAST SIDE CULVERT REPAIRS INCLUDING REPAIR OF EAST WING WALL, INSTALLATION OF HEADWALLS, REMOVAL AND REPLACEMENT OF GUARDRAIL, GROUT THE CULVERT WITH LIGHTWEIGHT FLOWABLE FILL, INSTALLATION OF RIPRAP AND LANDSCAPE.
4. PERFORM BRIDGE DECK REPAIR, RECONSTRUCT BRIDGE DECK EXPANSION JOINTS, AND BRIDGE DECK CONCRETE OVERLAY, ON THE OUTSIDE LANES IN BOTH DIRECTIONS AS SHOWN IN PLANS. PRIOR TO REMOVING TEMPORARY CONCRETE BARRIER WALL ANY OPEN HOLES IN THE ROADWAY SHALL BE FILLED OR PLATED FOR SAFETY. THE COST FOR PLATING OR FILLING OF OPEN HOLES SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)
5. INSTALL PERMANENT PAVEMENT MARKINGS AND LANDSCAPING USING STANDARD 701426.
6. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION CONTROL DEVICES

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PLOT SCALE = 2,0000' / in.	CHECKED - JD	REVISED -
PLOT DATE = 1/26/2022	DATE - 01/21/2022	REVISED -

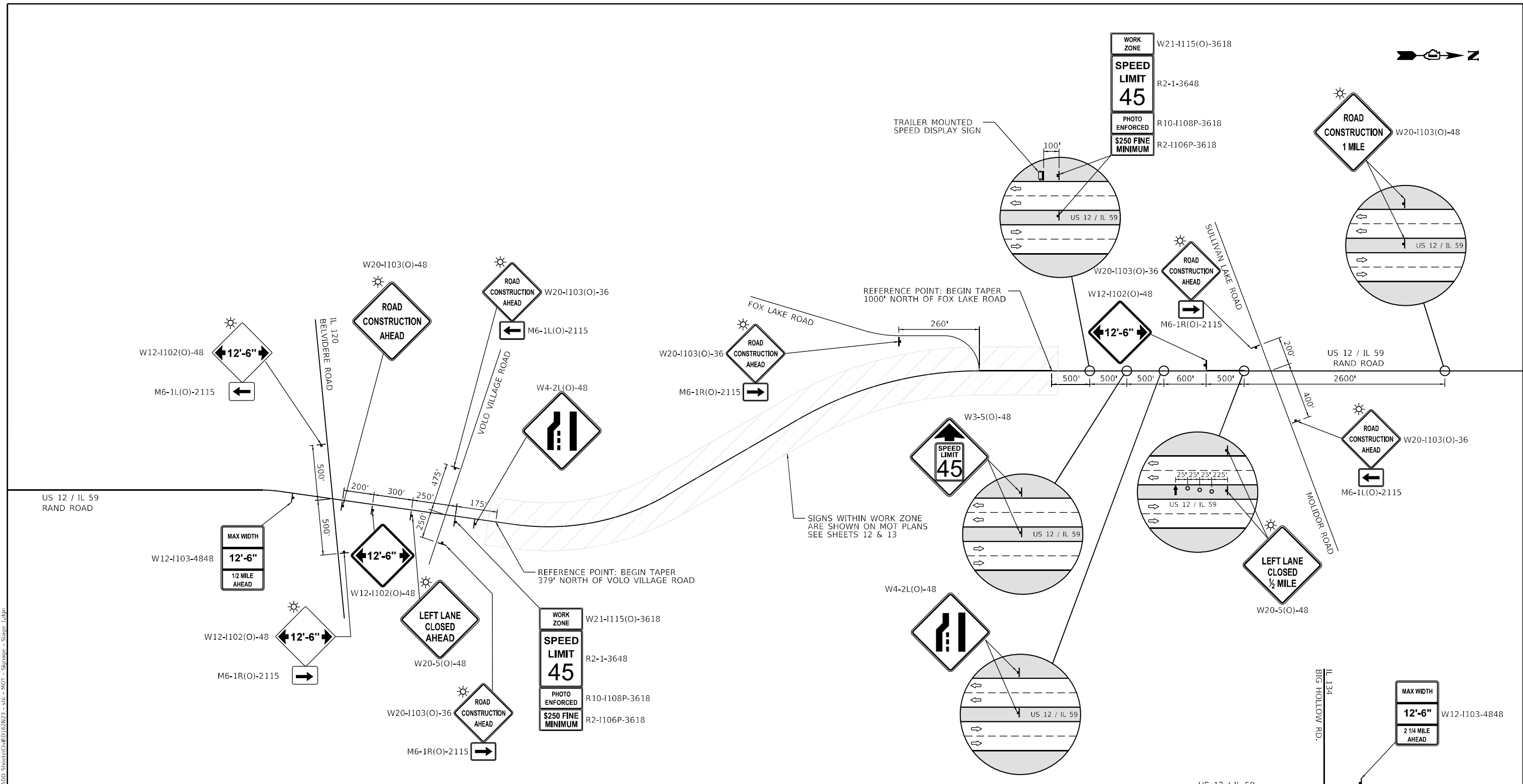
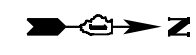
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC GENERAL NOTES  
AND SEQUENCE OF CONSTRUCTION  
US 12 / IL 59 AT FISH CREEK**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	9
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT 1MY(349)	

SCALE: SHEET OF SHEETS STA. TO STA.





**TRAFFIC CONTROL LEGEND**

- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD

WORK ZONE  
**SPEED LIMIT 45**  
 PHOTO ENFORCED  
**\$250 FINE MINIMUM**

WORK ZONE  
**SPEED LIMIT 45**  
 PHOTO ENFORCED  
**\$250 FINE MINIMUM**



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DRAWN - DW	REVISED -	
PLOT SCALE = 0,2000' / in.	CHECKED - JD	REVISED -
PLOT DATE = 1/26/2022	DATE - 01/21/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – STAGE 1  
 APPROACH SIGNAGE DETAIL  
 US 12 / IL 59 AT FISH CREEK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 2020-251-BR	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 11
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT 1M(1349)	

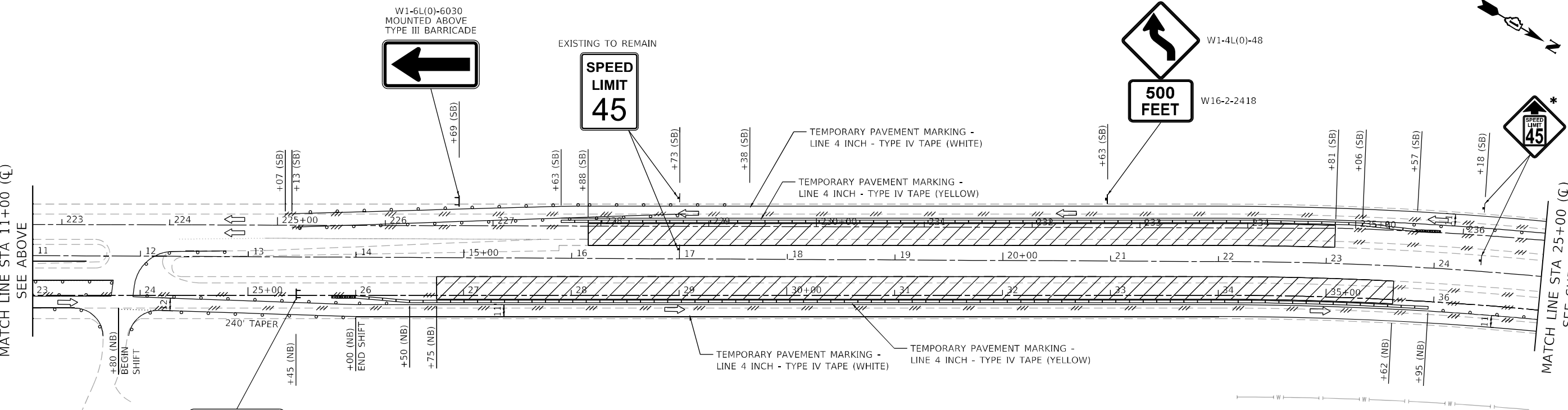
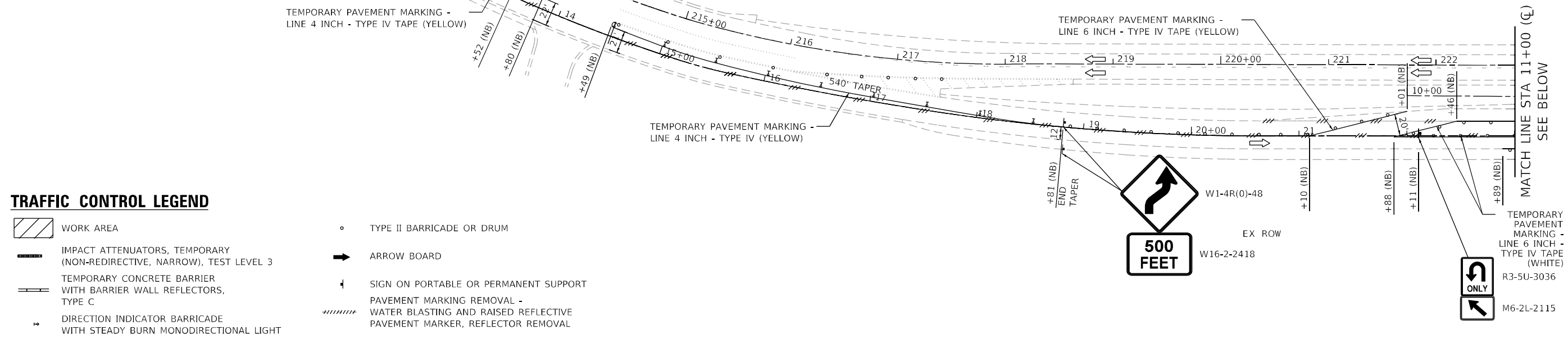
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**END  
WORK ZONE  
SPEED LIMIT**  
G20-1103-6036

**TRAFFIC CONTROL LEGEND**

- WORK AREA
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTORS, TYPE C
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE OR DRUM
- ARROW BOARD
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- PAVEMENT MARKING REMOVAL - WATER BLASTING AND RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL



- NOTES**
- SEE SHEET 9 FOR APPROACH SIGNAGE DETAILS
  - RAISED REFLECTOR PAVEMENT MARKER REMOVAL FROM STA. 26+75 TO STA 35+62(NB) & STA 227+88 TO 234+81 (SB)
- \* THIS SIGN SHALL BE COVERED FOR THE DURATION OF CONSTRUCTION

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PLOT DATE = 1/26/2022	DATE - 01/21/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 1  
US 12 /IL 59 AT FISH CREEK**

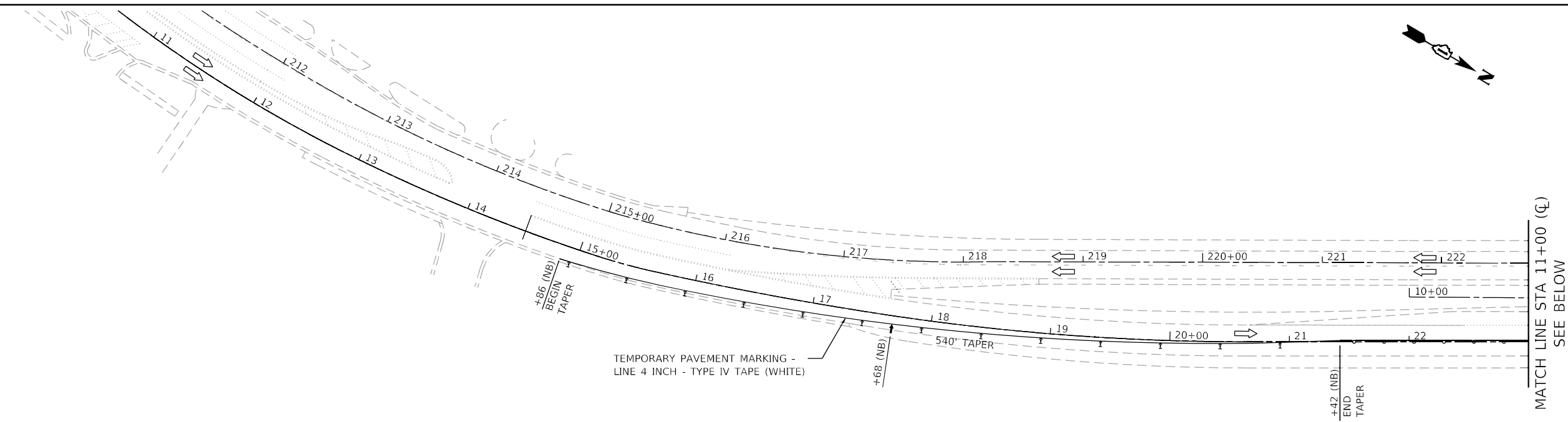
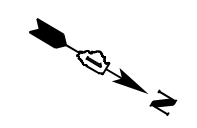
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	12
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT JMY(349)				



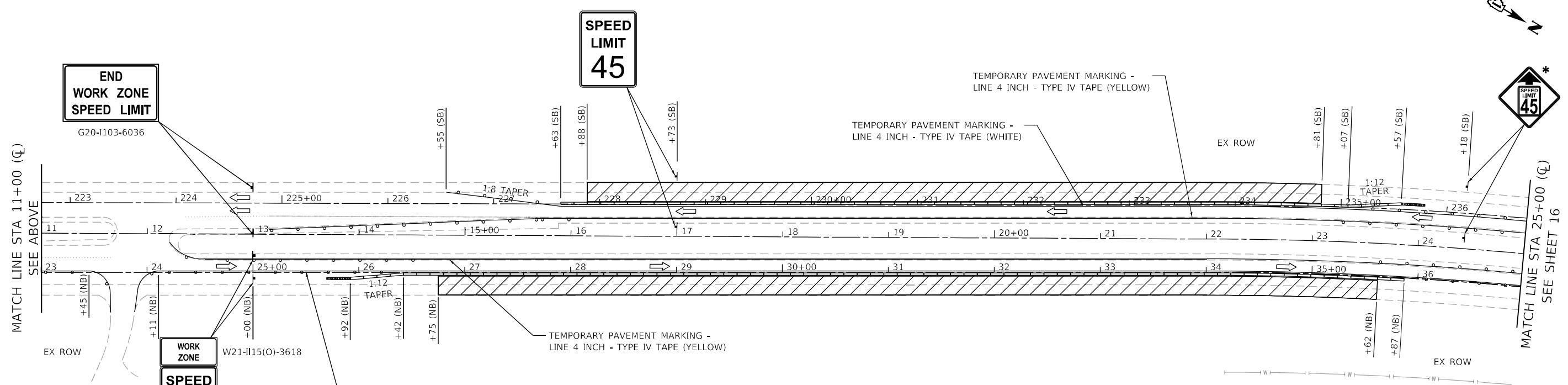






**TRAFFIC CONTROL LEGEND**

- WORK AREA
- IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- RELOCATE TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTORS, TYPE C
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE OR DRUM
- ARROW BOARD
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- PAVEMENT MARKING REMOVAL - WATER BLASTING



**NOTES**

1. SEE SHEET 12 FOR SITE APPROACH SIGNAGE DETAILS
- \* THIS SIGN SHALL BE COVERED FOR THE DURATION OF CONSTRUCTION

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 MODEL: D:\m\l...  
 FILE: M06E...



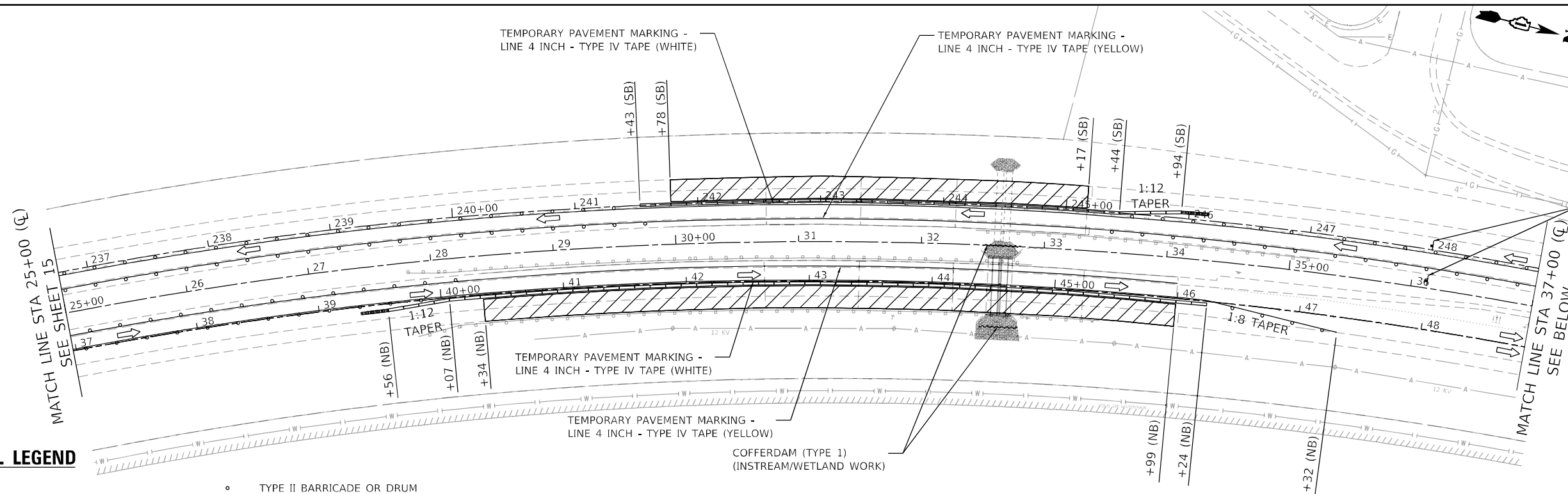
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	DATE - 01/21/2022	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 2**  
**US 12 /IL 59 AT FISH CREEK**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	15
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT JMY(349)				



WORK ZONE W21-1115(O)-3618

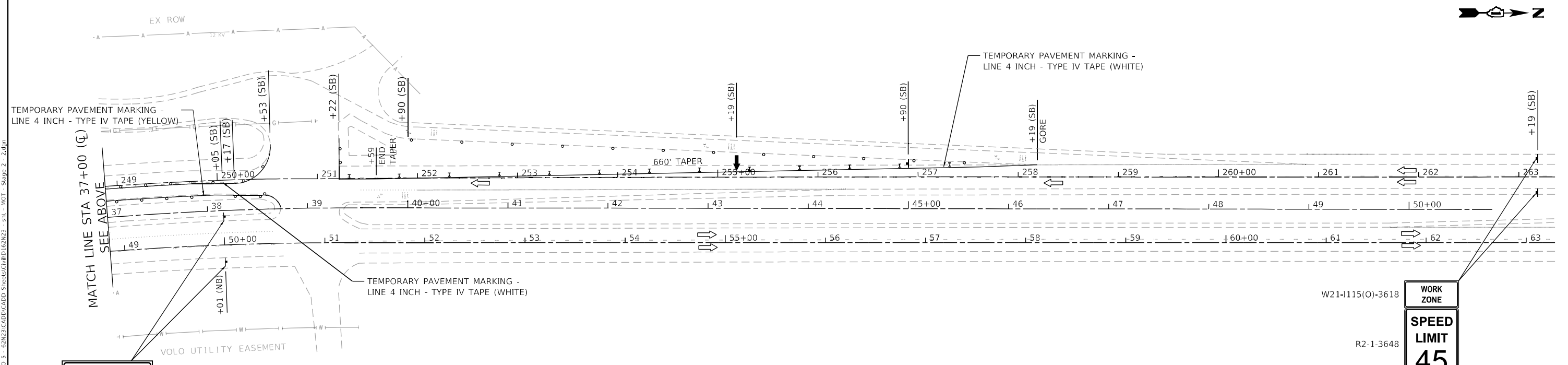
SPEED LIMIT 45 R2-1-3648

PHOTO ENFORCED R10-1108P-3618

\$250 FINE MINIMUM R2-1106P-3618

**TRAFFIC CONTROL LEGEND**

- WORK AREA
- IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- RELOCATE TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTORS, TYPE C
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE OR DRUM
- ARROW BOARD
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- PAVEMENT MARKING REMOVAL - WATER BLASTING



WORK ZONE W21-1115(O)-3618

SPEED LIMIT 45 R2-1-3648

PHOTO ENFORCED R10-1108P-3618

\$250 FINE MINIMUM R2-1106P-3618

**END WORK ZONE SPEED LIMIT**

G20-1103-6036

**NOTES**

- SEE SHEET 12 FOR SITE APPROACH SIGNAGE DETAILS



USER NAME = j.davis	DESIGNED - DW	REVISED -
DRAWN - DW	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JD	REVISED -
PLOT DATE = 1/26/2022	DATE - 01/21/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 2  
US 12 / IL 59 AT FISH CREEK**

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

F.A.P. RTE. 334	SECTION 2020-251-BR	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 16
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT 1M1(349)	

**EROSION AND SEDIMENT CONTROL GENERAL NOTES**

1. ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
2. ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER, WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
6. STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL OR EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
7. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
8. THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
  - A. DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
  - B. STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
  - C. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
  - D. AN ADDITIONAL INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE MADE WEEKLY AND WITHIN 24-HOURS AFTER A 24-HOURS RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
9. ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
10. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
11. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
12. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

13. IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
  - A. ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
  - B. THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 2.
  - C. ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
14. TOPSOIL PLACEMENT: TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
15. THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORT MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
16. ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
17. NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
18. SEEDING USAGE
 

CLASS 4B (MODIFIED):  
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING:  
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
19. THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
20. THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
21. THE CONTRACTOR WILL PROVIDE THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE ESPECIALLY WHEN RAIN IS FORECAST, SO THAT FLOW WILL NOT BE EROSION AND WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS. THE LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
22. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
23. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.
24. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
25. THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES TO COMPLY WITH EROSION CONTROL PERMITS.

26. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: "PROTECTED WETLAND - NO INTRUSION". THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY THE METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICK UP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN(S) SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER.
27. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
28. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONAL DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
29. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS "COFFERDAM (TYPE 1)(IN-STREAM/WETLAND WORK)" WITH A BASIS OF PAYMENT OF EACH.
30. MULCH METHOD 2 SHOULD BE APPLIED TO SLOPES FOR TEMPORARY STABILIZATION PRIOR TO SEASONS WHEN TEMPORARY SEED WILL NOT GERMINATE, FOR EXAMPLE IN MID-JULY OR IN WINTER.
31. CLASS 4 (MODIFIED) SEEDING CAN BE USED AS A SUPPLEMENTAL MIX FOR CLASS 4B (MODIFIED) SEEDING

**SOIL EROSION AND SEDIMENT CONTROL STRATEGY:**

1. INSTALL TRAFFIC CONTROL DEVICES.
2. ERECT PERIMETER EROSION BARRIERS AS SHOWN ON THE PLANS.
3. INSTALL TEMPORARY DITCH CHECKS AS SHOWN ON THE PLANS.
4. CONSTRUCT PROJECT REMOVALS AND IMPROVEMENTS AS SHOWN ON THE PLANS.
5. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
6. TEMPORARY STABILIZATION OF EACH STAGE SHOULD BE COMPLETED BEFORE WORK BEGINS ON SUBSEQUENT STAGES.
7. STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET AS SHOWN ON THE PLANS FOR PERMANENT STABILIZATION.
8. WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

**HIGHWAY STANDARD**

STD. NO.	TITLE
280001	TEMPORARY EROSION CONTROL SYSTEMS

**SOIL PROTECTION SCHEDULE:**

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING						→					→	
DORMANT SEEDING	→		→							→		→
TEMPORARY SEEDING										→		
EROSION BLANKET / HYDROMULCH											→	

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USER NAME = jldavis	DESIGNED - JD	REVISED -
	DRAWN - JD	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 1/26/2022	DATE - 01/21/2022	REVISED -

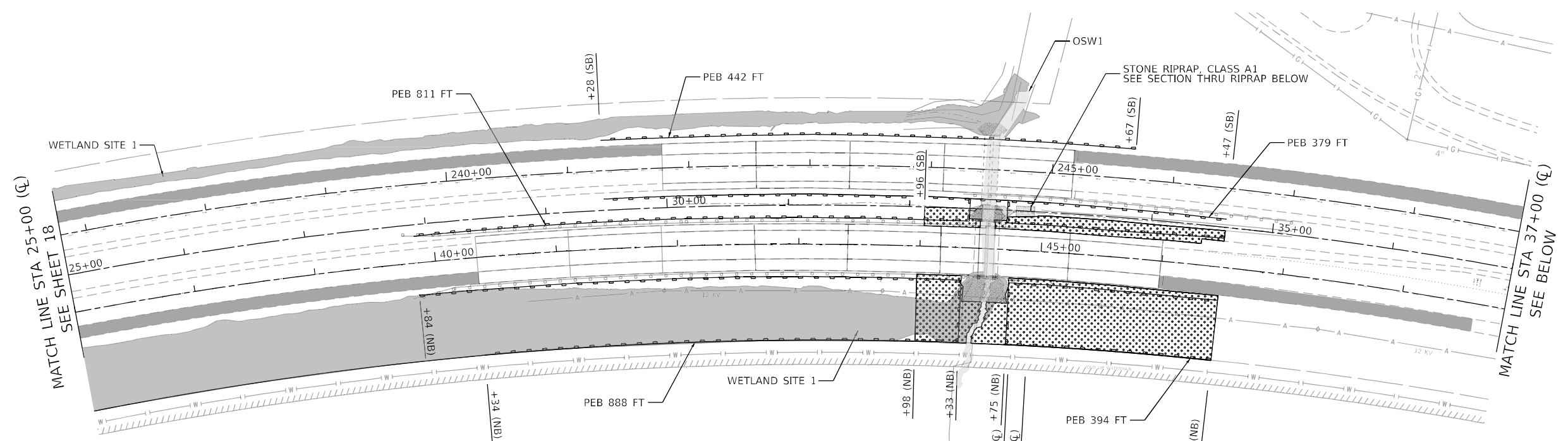
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL  
GENERAL NOTES  
US 12 / IL 59 AT FISH CREEK**

SCALE: SHEET OF SHEETS STA. TO STA.

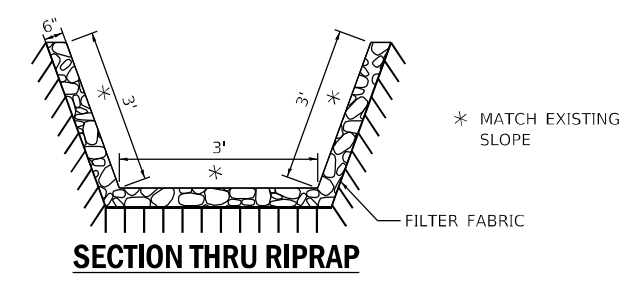
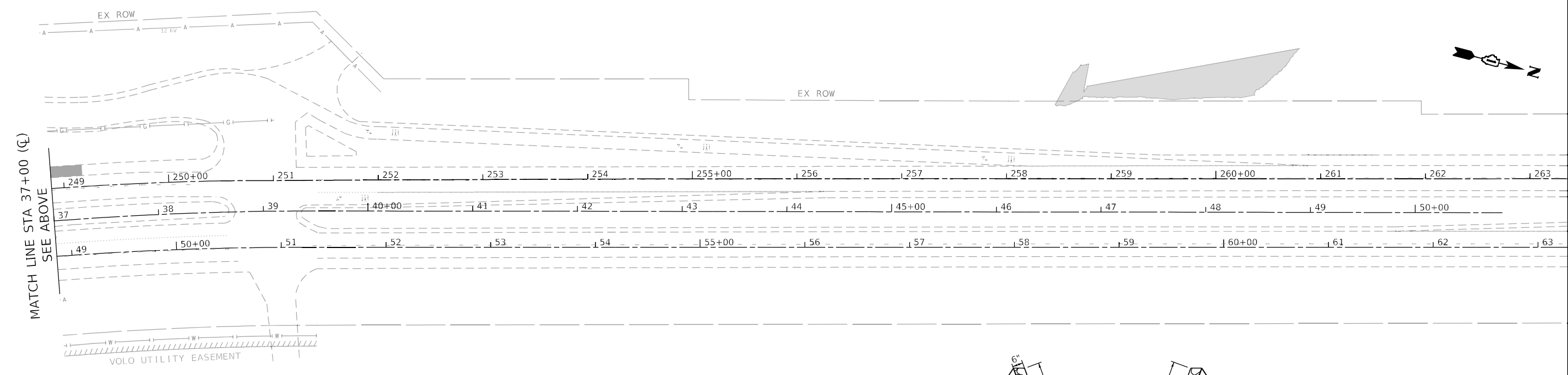
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	17
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT JMY(349)				





**EROSION CONTROL LEGEND**

- OTHER SURFACE WATER(OSW)
- WETLAND
- STONE RIPRAP, CLASS A3
- PERIMETER EROSION BARRIER(PEB)
- SEEDING, CLASS 4 (MODIFIED)
- SEEDING, CLASS 4B (MODIFIED)
- STONE RIPRAP, CLASS A1
- TEMPORARY DITCH CHECKS(TDC)



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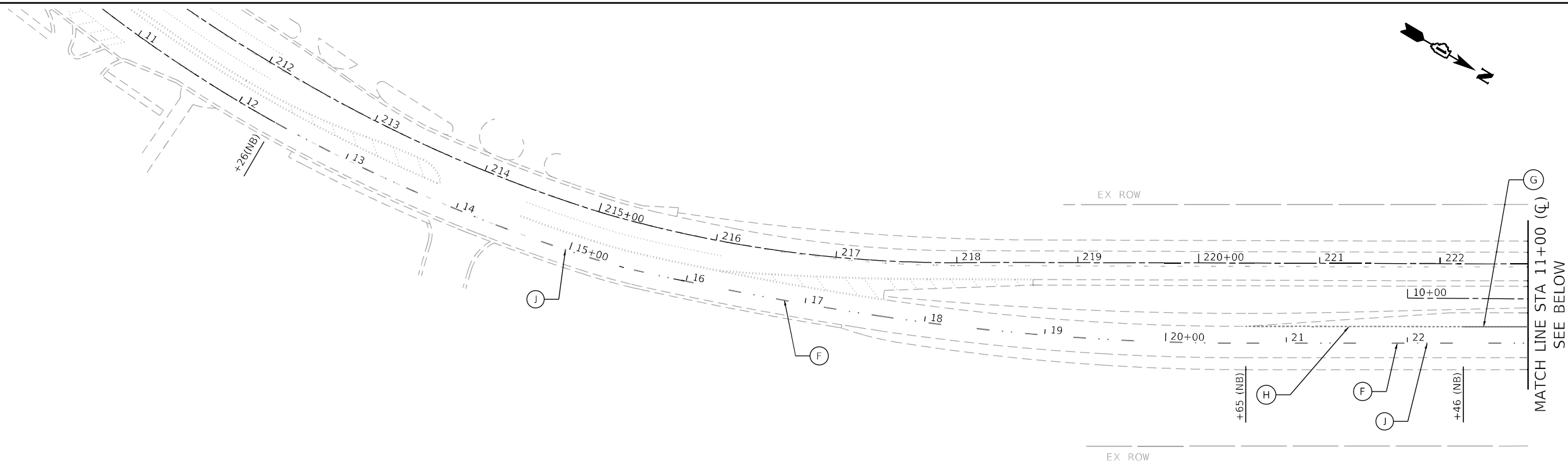
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - II  
US 12 /IL 59 AT FISH CREEK**

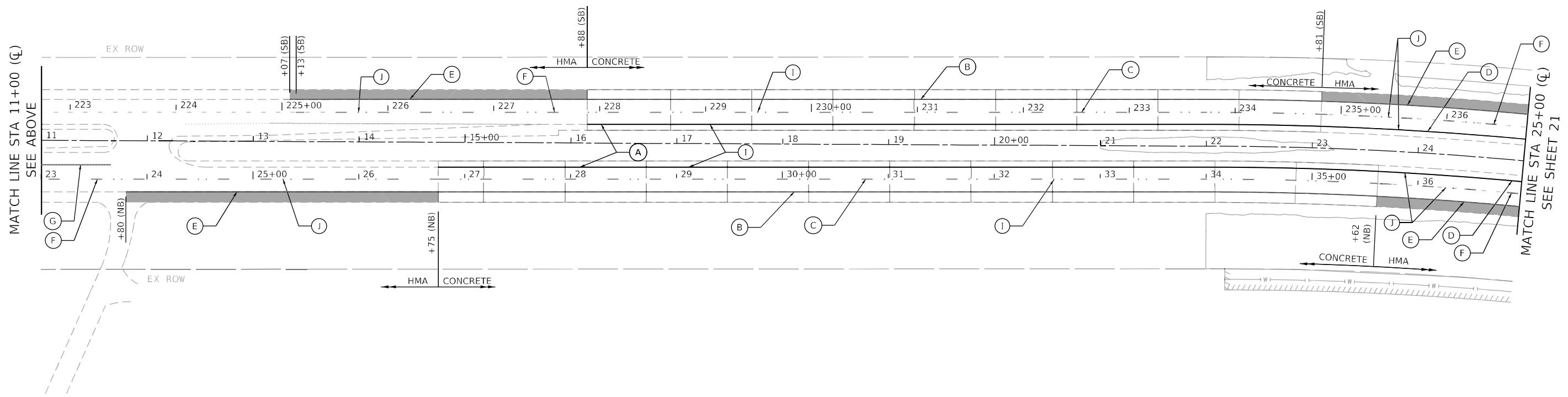
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F.A.P. RTE. 334	SECTION 2020-251-BR	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 19
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT 1MVI(349)	



**PAVEMENT MARKING LEGEND**

- (A) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- (B) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- (C) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP DASH LINE)
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE 10'-30' SKIP DASH LINE)
- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
- (H) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP DASH LINE)
- (I) RAISED REFLECTOR PAVEMENT MARKER
- (J) REPLACEMENT REFLECTORS



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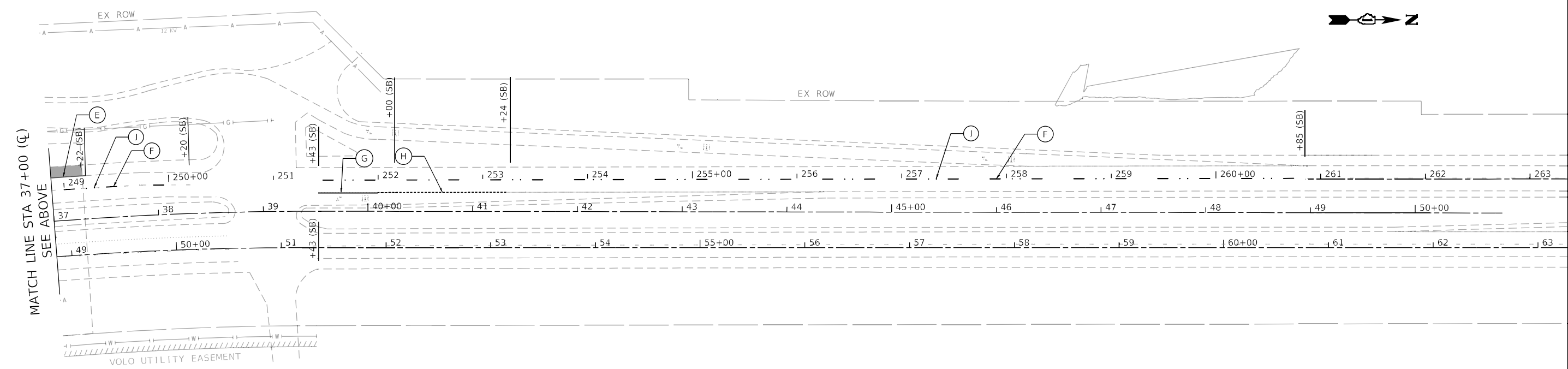
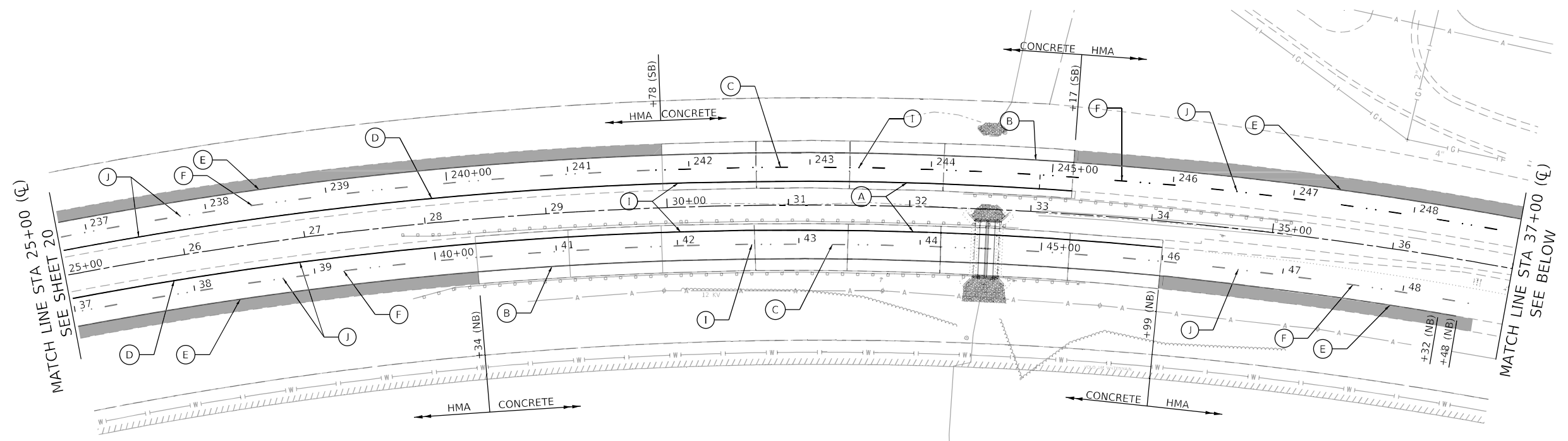
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN - I**  
**US 12 /IL 59 AT FISH CREEK**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	20
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT 1MVI(349)				





**PAVEMENT MARKING LEGEND**

- (A) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID)
- (B) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE SOLID)
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- (H) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE 2'-6' SKIP DASH LINE)
- (I) RAISED REFLECTOR PAVEMENT MARKER
- (J) REPLACEMENT REFLECTORS

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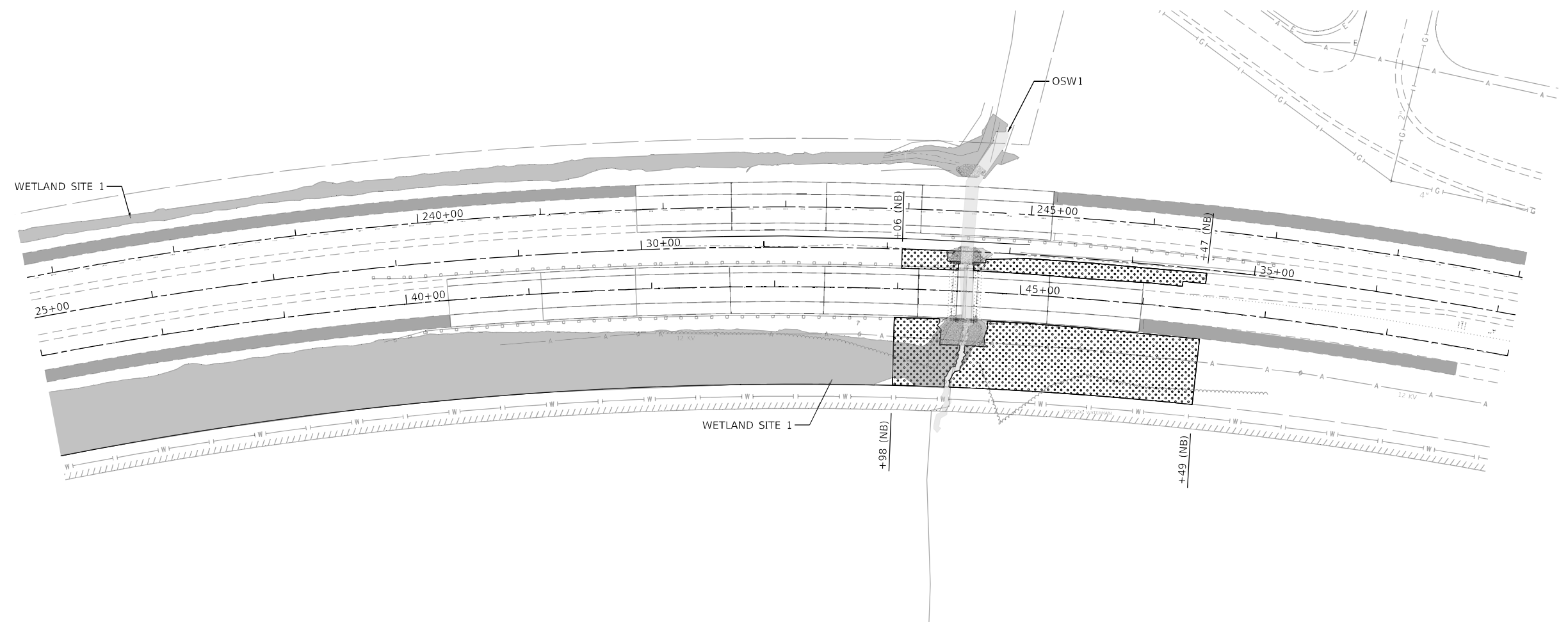
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN - II  
US 12 /IL 59 AT FISH CREEK**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	21
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT 1MVI(349)				



**LANDSCAPING LEGEND**

- WATERS OF THE US
- WETLAND
- SEEDING, CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET

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	DRAWN - JD	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - JD	REVISED -
PLOT DATE = 1/26/2022	DATE - 01/21/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN - I  
US 12 /IL 59 AT FISH CREEK**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	22
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT 1MVI(349)				

Benchmark: Top of NW wingwall Elev. 766.45'

Existing Structures: Concrete Slab Bridge S.N. 049-0021 was constructed in 1928 under Section 106B-1. The existing structure is a single span, 15.5' max. reinforced concrete slab supported by closed reinforced concrete abutments on reinforced concrete bents with piles. The bridge length is 22'-0" back-to-back of abutments and width is 46'-2" out-to-out of deck.

Land Bridge No. 2 Northbound S.N. 049-D012 was originally constructed in 1962 under Section 106-1 and widened in 1991 under Section 106(1&2)RS-84. The existing structure is a 7 unit, 22 span, 11" reinforced concrete slab on reinforced concrete bents with piles. The land bridge length is ±565'-0" and width is 40'-0".

Land Bridge No. 2 Southbound S.N. 049-D015 was originally constructed in 1962 under Section 106-1 and widened in 1991 under Section 106(1&2)RS-84. The existing structure is a 4 unit, 13 span, 11" reinforced concrete slab on reinforced concrete bents with piles. The land bridge length is ±339'-0" and width is 40'-0".

Land Bridge No. 3 Northbound S.N. 049-D011 was originally constructed in 1962 under Section 106-1 and widened in 1991 under Section 106(1&2)RS-84. The existing structure is a 13 unit, 35 span, 11" reinforced concrete slab on reinforced concrete bents with piles. The land bridge length is ±887'-0" and width is 40'-0".

Land Bridge No. 3 Southbound S.N. 049-D014 was originally constructed in 1962 under Section 106-1 and widened in 1991 under Section 106(1&2)RS-84. The existing structure is a 9 unit, 27 span, 11" reinforced concrete slab on reinforced concrete bents with piles. The land bridge length is ±693'-0" and width is 40'-0".

The structures are to be repaired as shown, and one lane of traffic will be maintained using staged construction.

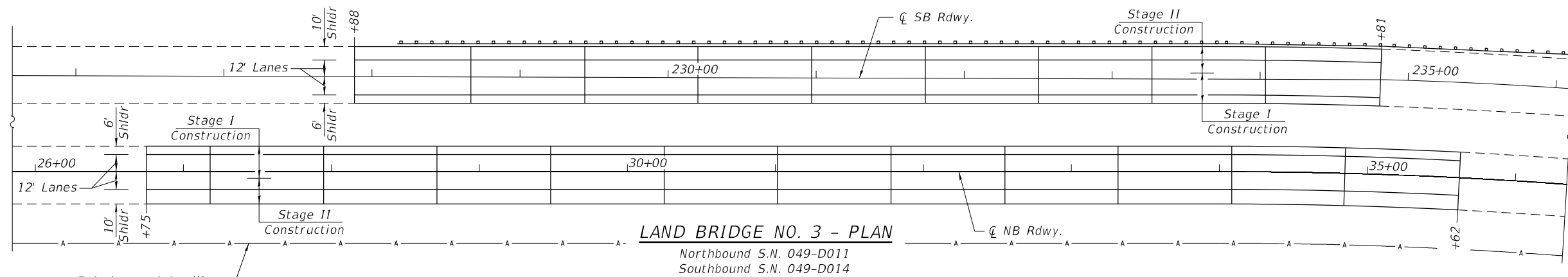
Salvage: N/A.

**PROPOSED SCOPE OF WORK – LAND BRIDGES**

1. Scarify decks 2 1/4".
2. Scarify additional depth as needed (see Sheet 5 of 9).
3. Perform partial depth deck slab repairs.
4. Perform Partial Depth Patching (Special) as needed.
5. Place 2 1/2" Latex Concrete Overlay.
6. Remove and replace preformed joint seals.
7. Diamond grinding and longitudinal grooving of overlay (up to 1/4" may be ground off the overlay).

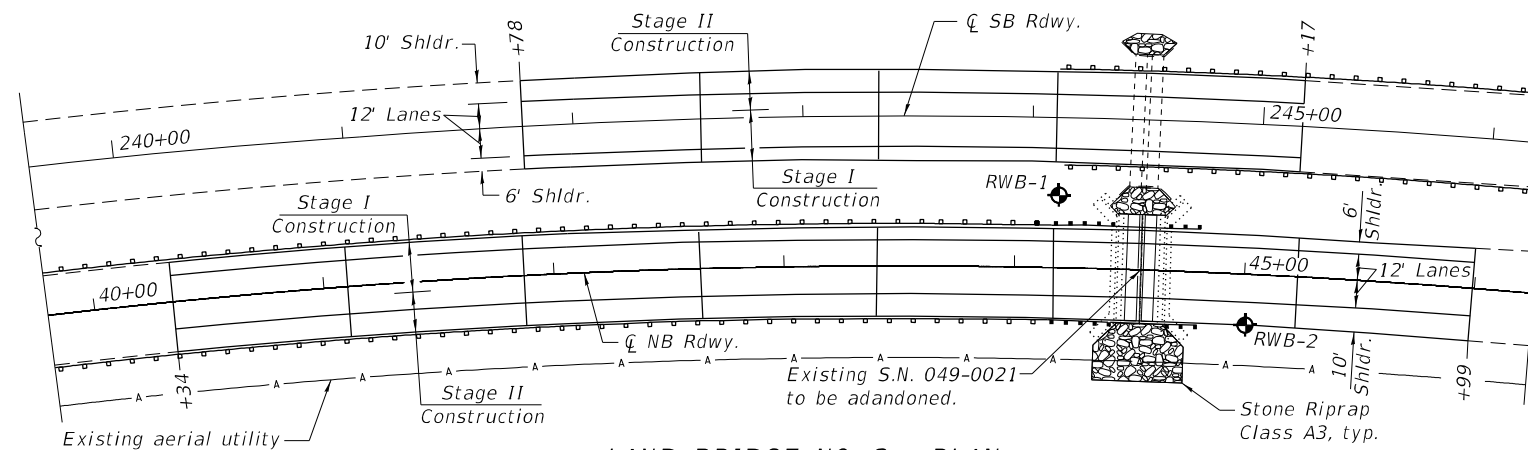
**PROPOSED SCOPE OF WORK – S.N. 049-0021**

1. Repair existing wingwalls.
2. Remove & dispose of unsuitable material.
3. Install two 60" dia. polyethylene pipes.
4. Place Lightweight Cellular Concrete Fill.
5. Construct concrete facing.
6. Regrade and clean existing culvert.
7. Place riprap at upstream and downstream ends.



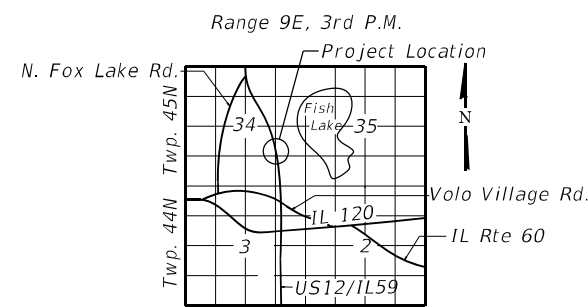
**LAND BRIDGE NO. 3 - PLAN**

Northbound S.N. 049-D011  
Southbound S.N. 049-D014

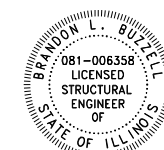


**LAND BRIDGE NO. 2 - PLAN**

Northbound S.N. 049-D012  
Southbound S.N. 049-D015



**LOCATION SKETCH**



Brandon Buzell  
DATE: 12/8/2021  
LICENSE EXPIRES 11/30/22

**GENERAL PLAN AND ELEVATION**  
**US ROUTE 12 / IL. ROUTE 59 AT FISH CREEK**  
**F.A.P. RT. 334 SEC. 2020-251-BR**  
**LAKE COUNTY**  
**STATION 44+54.85**  
**STRUCTURE NO. 049-D011(NB) & 049-D014(SB)**  
**STRUCTURE NO. 049-D012(NB) & 049-D015(SB)**  
**STRUCTURE NO. 049-0021 (TO BE ABANDONED)**

**DESIGN SPECIFICATIONS**  
2002 AASHTO Standard Specifications  
for Highway Bridges

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN**  
**US 12 / IL 59 AT FISH CREEK**

SHEET 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	23
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

Reinforcement bars designated (E) shall be epoxy coated.

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.

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

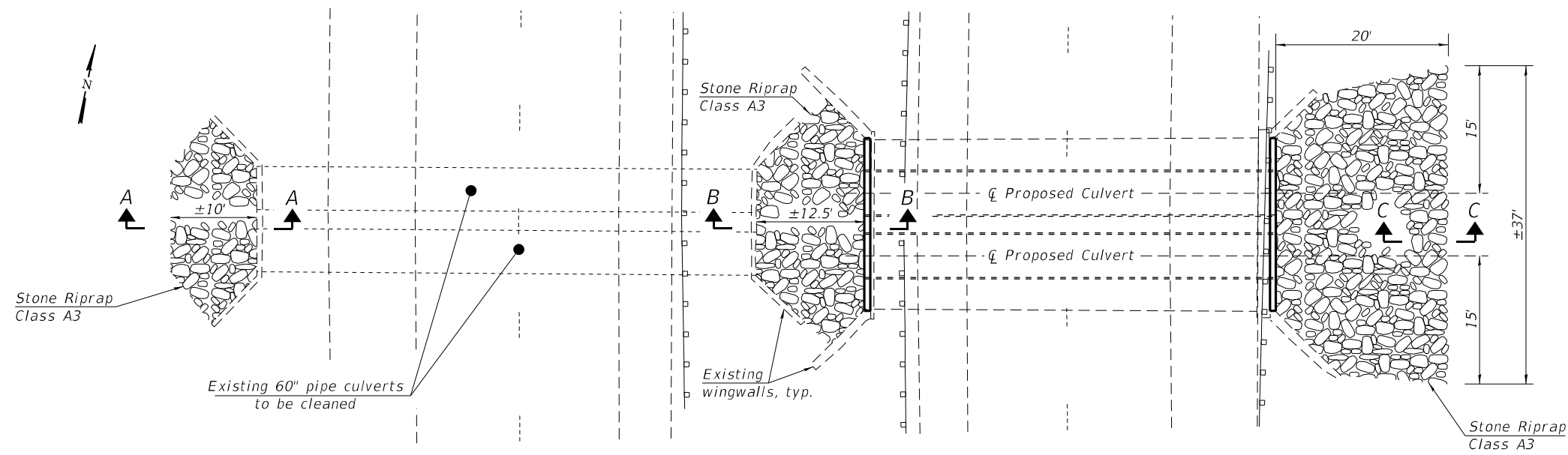
2½" Latex Concrete Overlay thickness is prior to grinding.

**INDEX OF SHEETS**

1. General Plan
2. General Data
3. Stage Construction Details
4. Slab Bridge Details
5. Latex Concrete Overlay Details
6. Land Bridge No. 2 - Deck Slab Repairs
7. Land Bridge No. 3 Southbound - Deck Slab Repairs
8. Land Bridge No. 3 Northbound - Deck Slab Repairs
9. Soil Borings

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL	SN 049-0021	DRY LAND BRIDGES			
				#2 NB	#2 SB	#3 NB	#3 SB
Removal and Disposal of Unsuitable Material	Cu Yd	379	379				
Stone Riprap, Class A3	Sq Yd	122	122				
Filter Fabric	Sq Yd	122	122				
Concrete Structures	Cu Yd	9.5	9.5				
Bridge Deck Grooving	Sq Yd	11,042		2,511	1,507	3,943	3,081
Reinforcement Bars, Epoxy Coated	Pound	2,510	2,510				
Preformed Joint Seal, 2 1/2"	Foot	1,440		320	200	520	400
Pipe Culverts, Class C, Type 1 60"	Foot	96	96				
Lightweight Cellular Concrete Fill	Cu Yd	319	319				
Pipe Culvert to be Cleaned 60"	Foot	116	116				
Bridge Deck Scarification 2 1/4 Inch	Sq Yd	11,042		2,511	1,507	3,943	3,081
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq Yd	11,042		2,511	1,507	3,943	3,081
Structural Repair of Concrete (Depth Equal to or less than 5 Inches)	Sq Ft	40	40				
Partial Depth Patching (Special)	Sq Yd	811		377	227	103	104
Diamond Grinding (Bridge Section)	Sq Yd	6,839		1,560	958	2,419	1,902
Bridge Deck Grooving (Longitudinal)	Sq Yd	6,626		1,507	904	2,366	1,849



**GRADING & RIPRAP LIMITS**

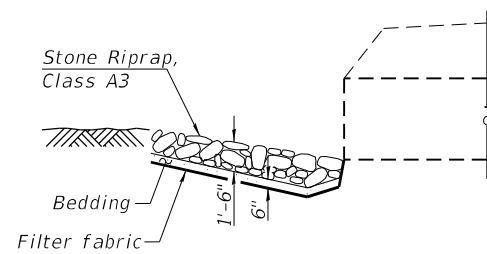
Excavation for riprap to the limits shown will be measured and paid for as Removal and Disposal of Unsuitable Material.

**WATERWAY INFORMATION**

Drainage Area = 48.7 acres Low Grade Elev. 766.13 @ Sta. 32+06

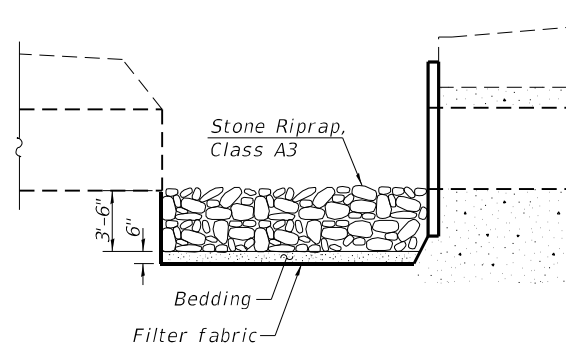
Flood	Freq. Yr.	Q C.F.S.	Opening Ft <sup>2</sup>		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	57	26.3	23.6	759.5	0.1	0.0	759.6	759.5
Base	50	109	36.3	28.4	760.0	0.2	0.0	760.2	760.0
Max. Calc.	100	138	37.4	29.4	760.1	0.2	0.1	760.3	760.2
	500	227	48.3	33.6	760.6	0.4	0.8	761.0	761.4

2-year peak flow = 11.3 C.F.S.



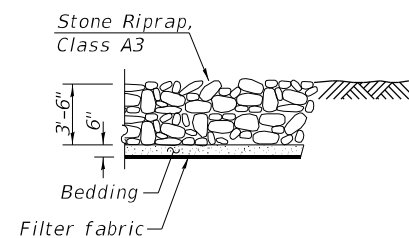
**SECTION A-A**

Match grade at existing pipe invert and existing ground



**SECTION B-B**

Match grade to existing & proposed pipe inverts



**SECTION C-C**

Match grade at new pipe invert and existing ground

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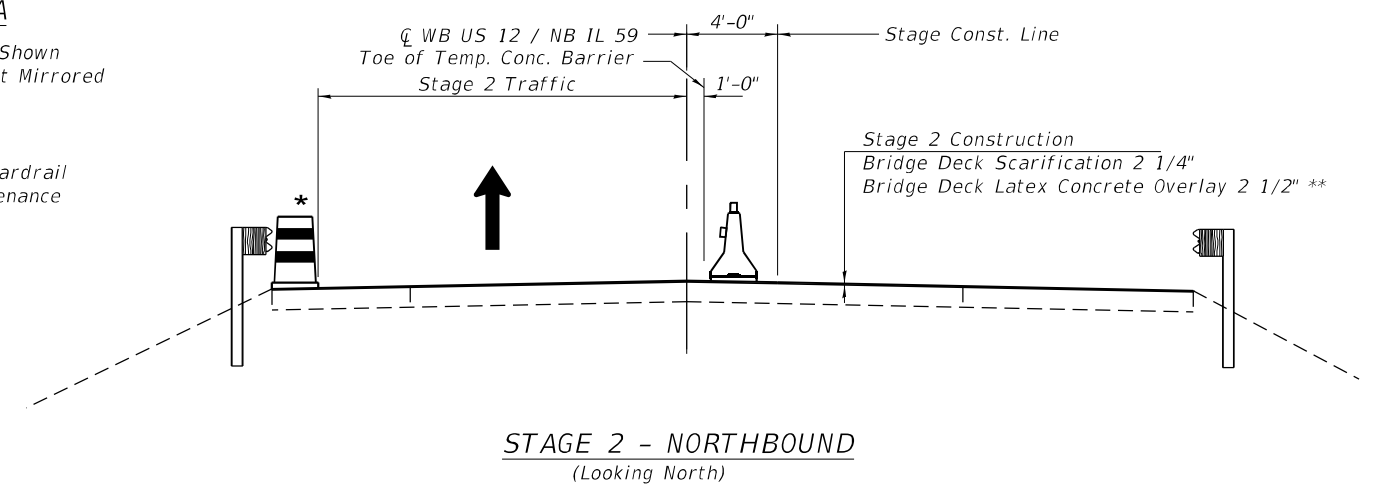
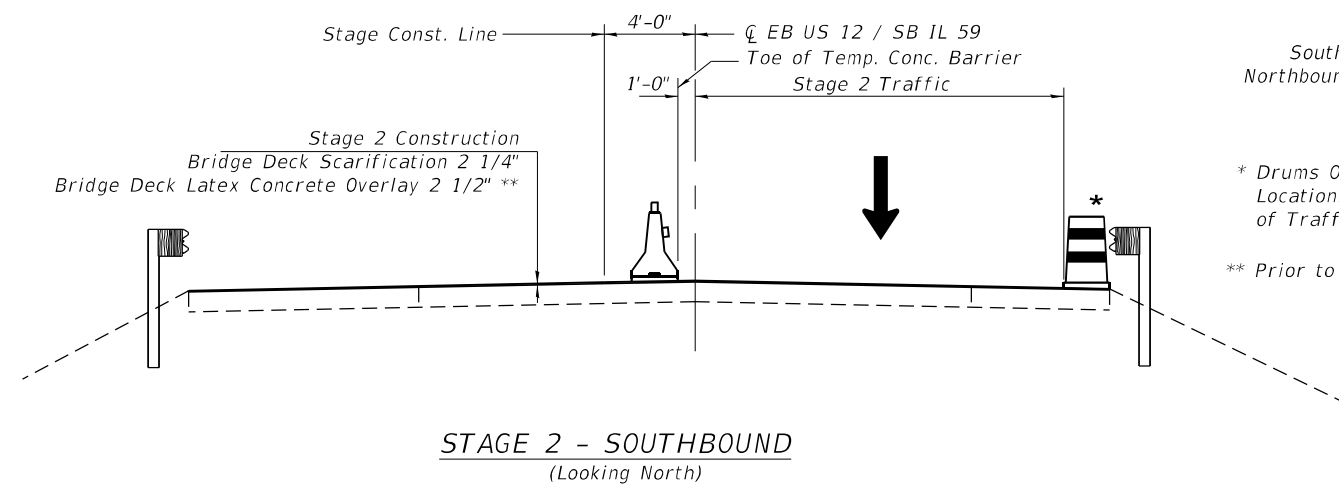
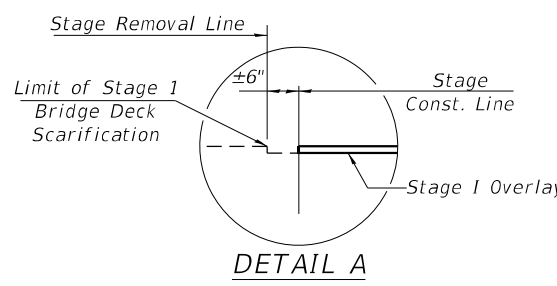
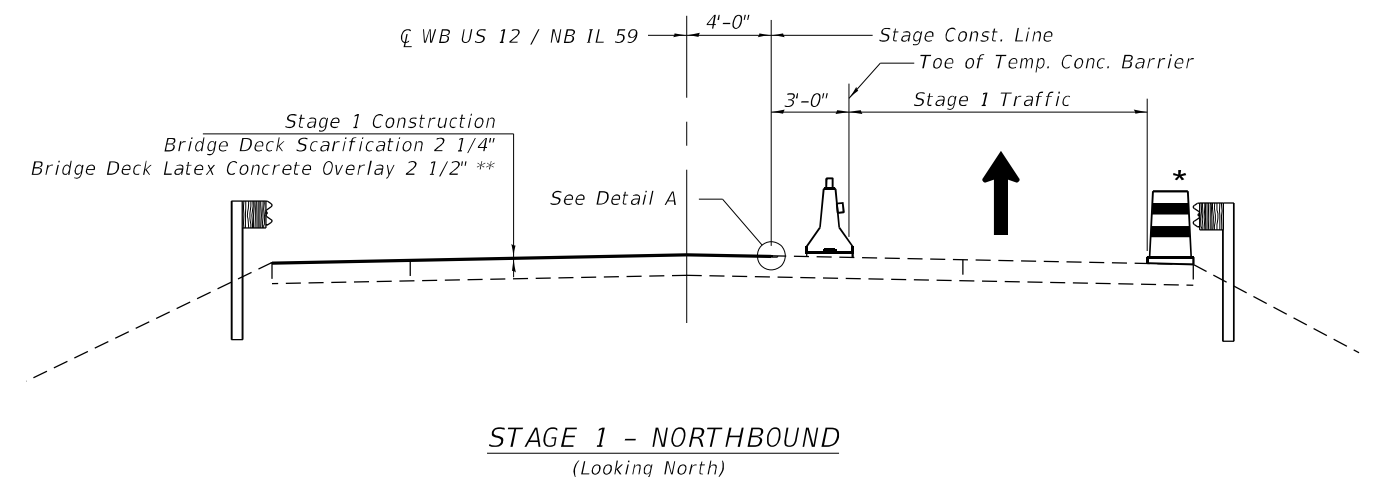
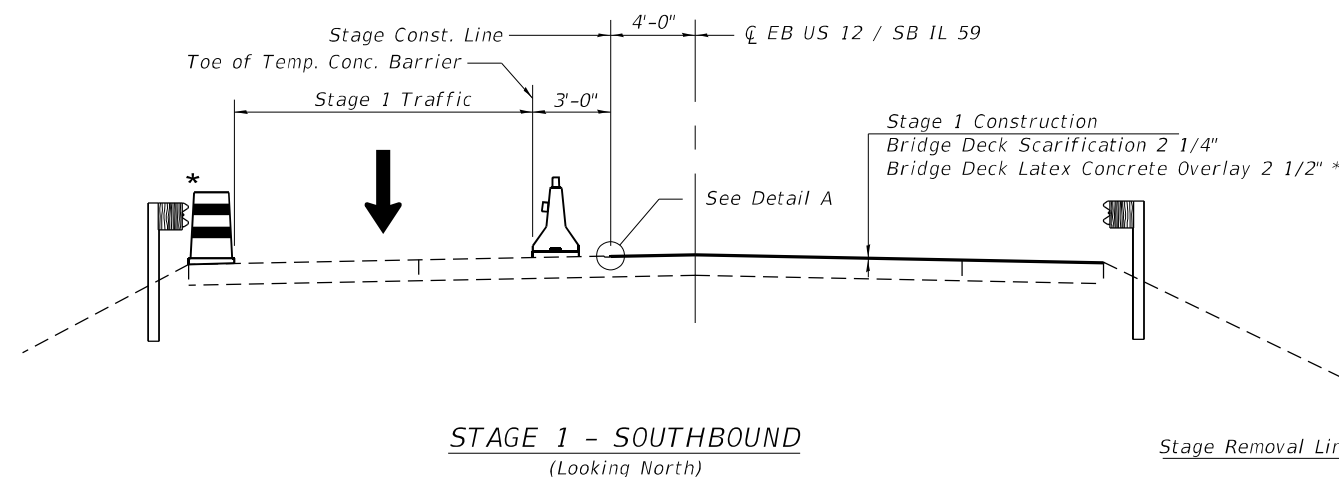
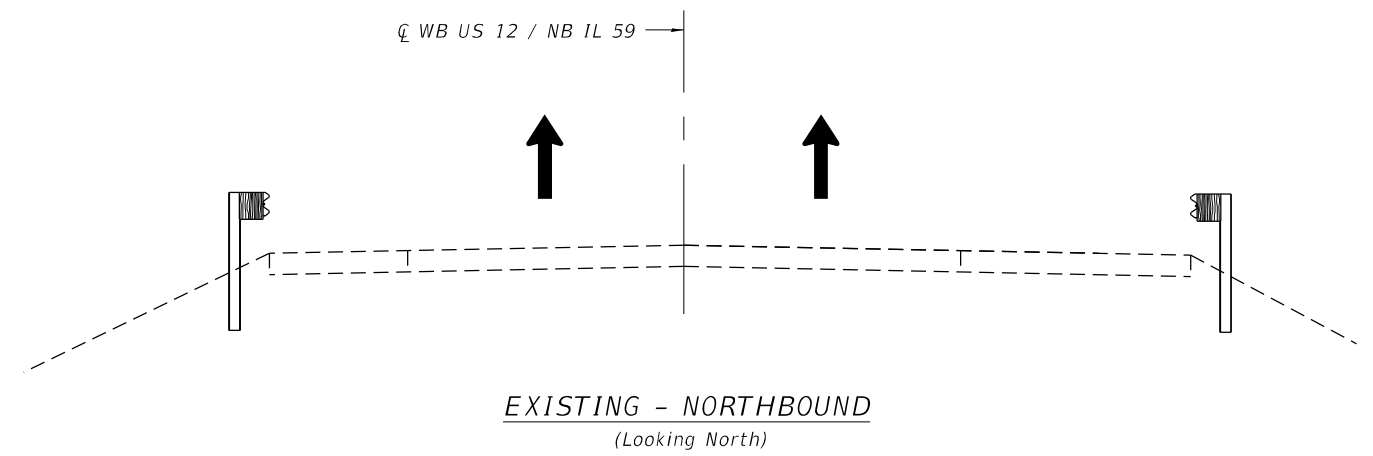
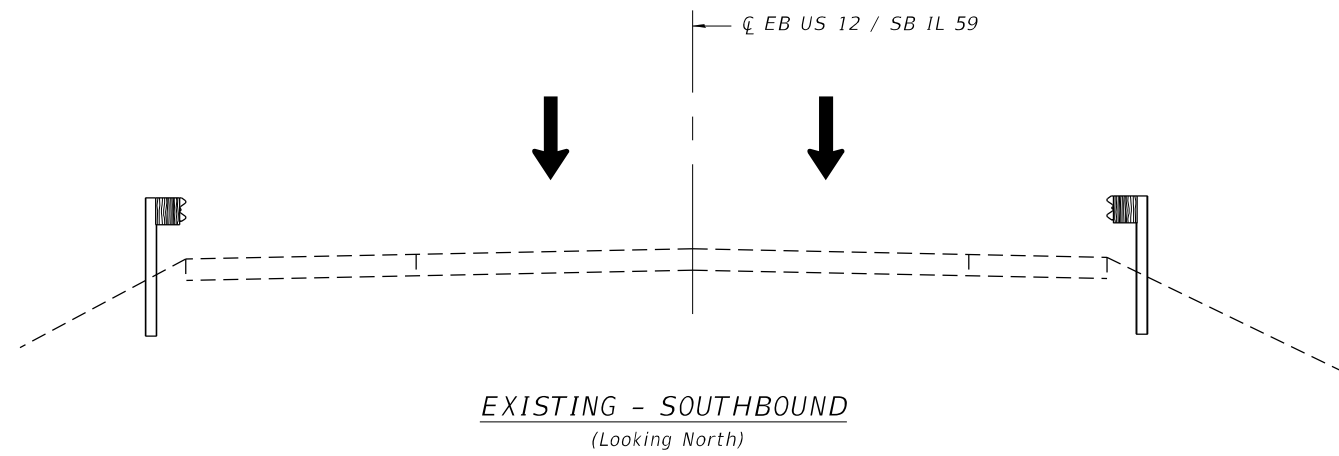
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
US 12 /IL 59 AT FISH CREEK**

SHEET 2 OF 9 SHEETS

F.A.P. RTE. 334	SECTION 2020-251-BR	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N23	



\* Drums Omitted at Guardrail Locations. See Maintenance of Traffic Plans.

\*\* Prior to grinding.

NOTE:  
See Sheet 5 of 9 for Partial Depth Patching (Special) and other details.

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<b>BAXTER &amp; WOODMAN</b> Consulting engineers	USER NAME = 611blb	DESIGNED - BAB	REVISED -
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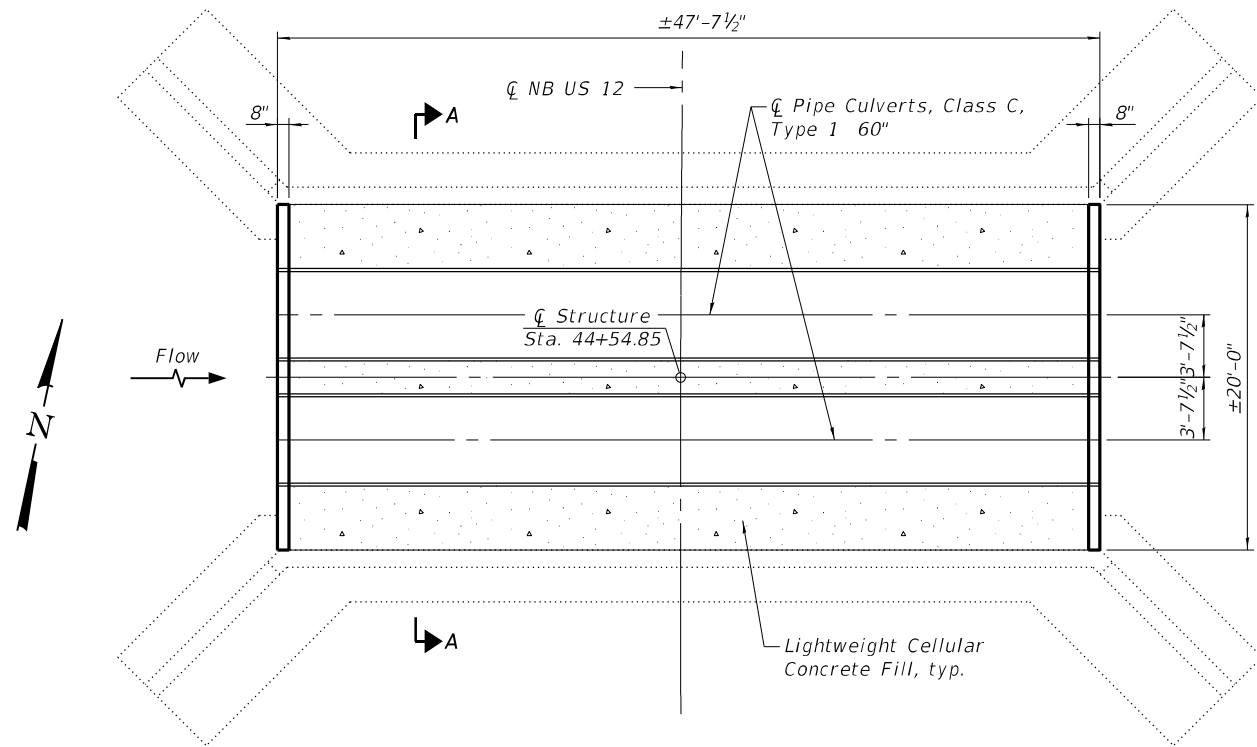
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS  
US 12 / IL 59 AT FISH CREEK**

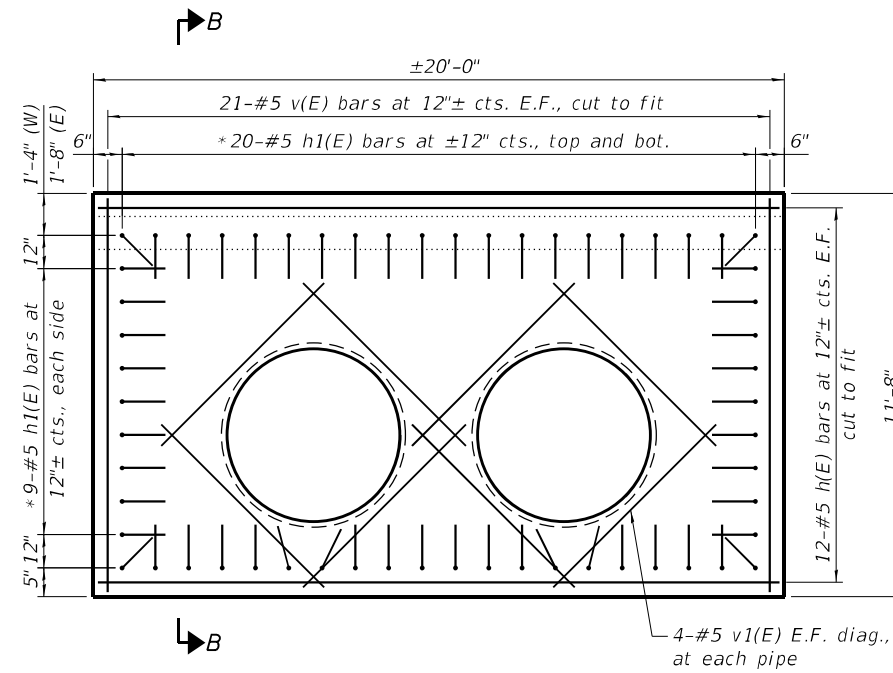
SHEET 3 OF 9 SHEETS

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CONTRACT NO. 62N23				

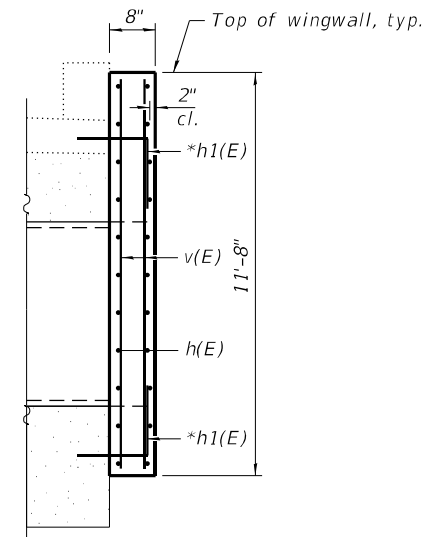
ILLINOIS FED. AID PROJECT



PLAN @ ELEV. 759.00

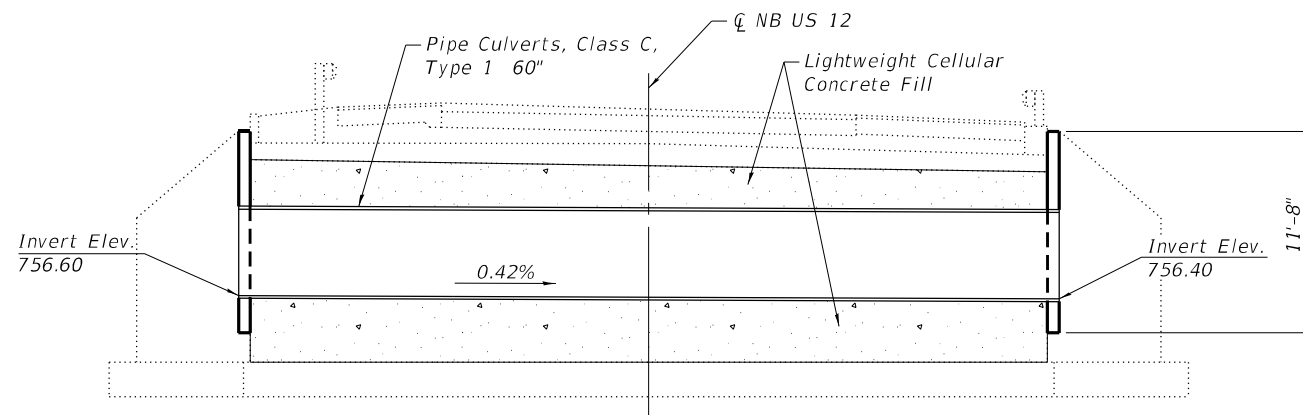


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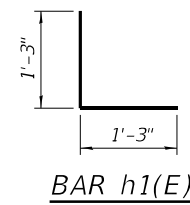


SECTION B-B

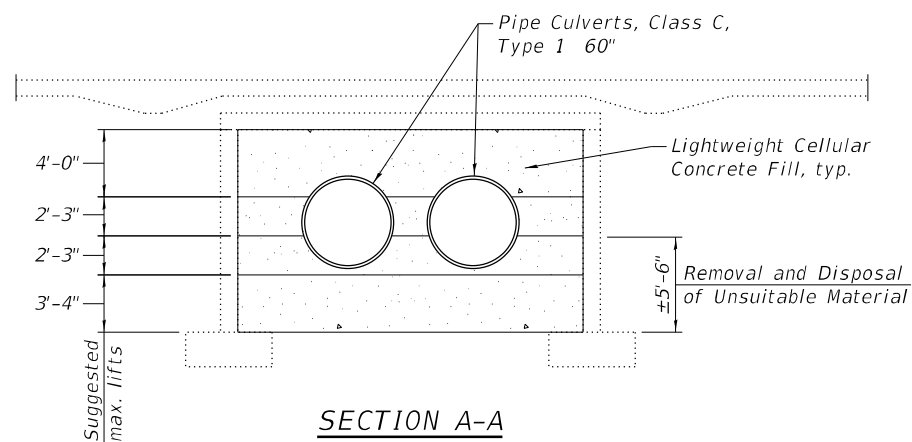
\* Drill and grout h1(E) bars in 9" min. drilled holes in accordance with Article 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.



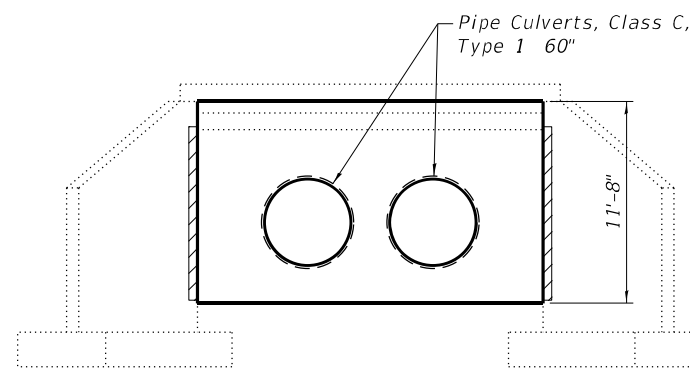
LONGITUDINAL SECTION



BAR h1(E)



SECTION A-A



END SECTION ELEVATION

\*\* Structural Repair of Concrete (Depth Equal to or less than 5")

\*\* Wingwalls shall be repairs at all four corners prior to placement of Lightweight Cellular Concrete Fill. Repair areas shown are approximate and shall be determined in the field by the Engineer.

TWO END SECTIONS  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape		
h(E)	48	#5	19'-8"	—		
h1(E)	116	#5	2'-6"	┌		
v(E)	84	#5	11'-4"	—		
v1(E)	32	#5	6'-8"	—		
Removal and Disposal of Unsuitable Material					Cu. Yd.	189
Concrete Structures					Cu. Yd.	9.5
Reinforcement Bars, Epoxy Coated					Pound	2,510
Pipe Culverts, Class C, Type 1 60"					Foot	96
Lightweight Cellular Concrete Fill					Cu. Yd.	319
Structural Repair of Concrete (Depth Equal to or less than 5")					Sq. Ft.	40

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**BAXTER & WOODMAN**  
Consulting Engineers

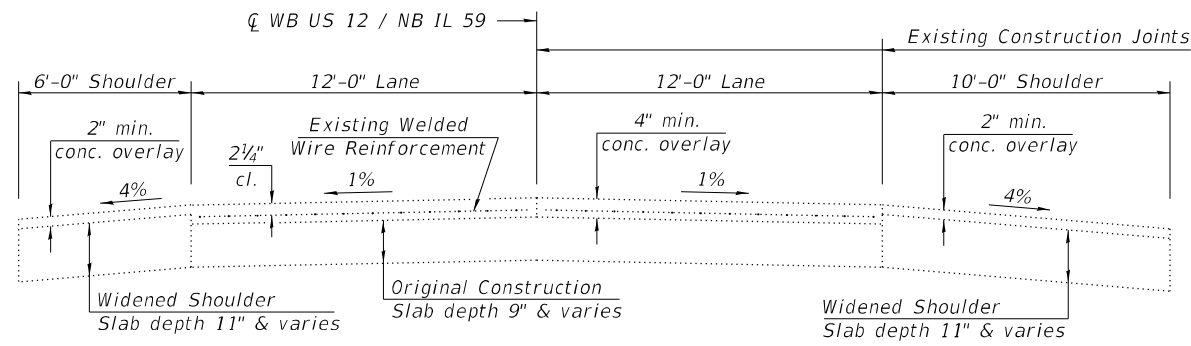
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

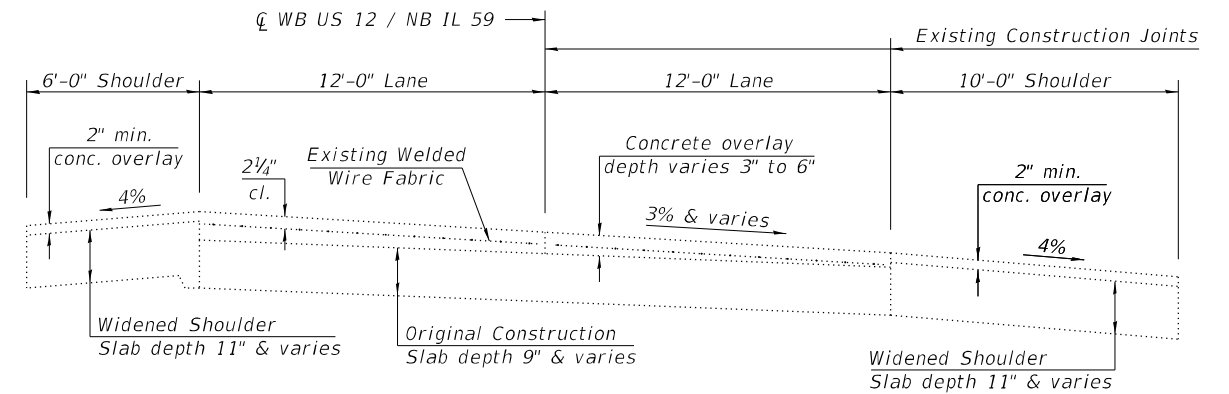
SLAB BRIDGE DETAILS  
US 12 /IL 59 AT FISH CREEK

SHEET 4 OF 9 SHEETS

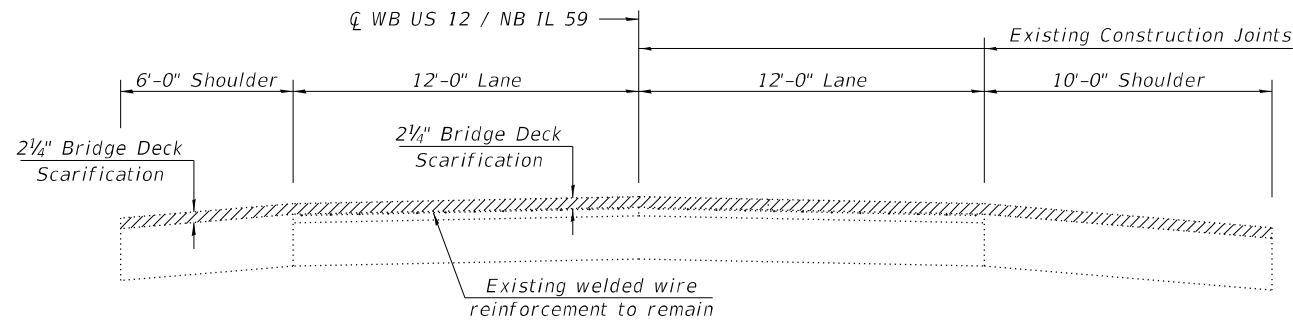
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	26
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT				



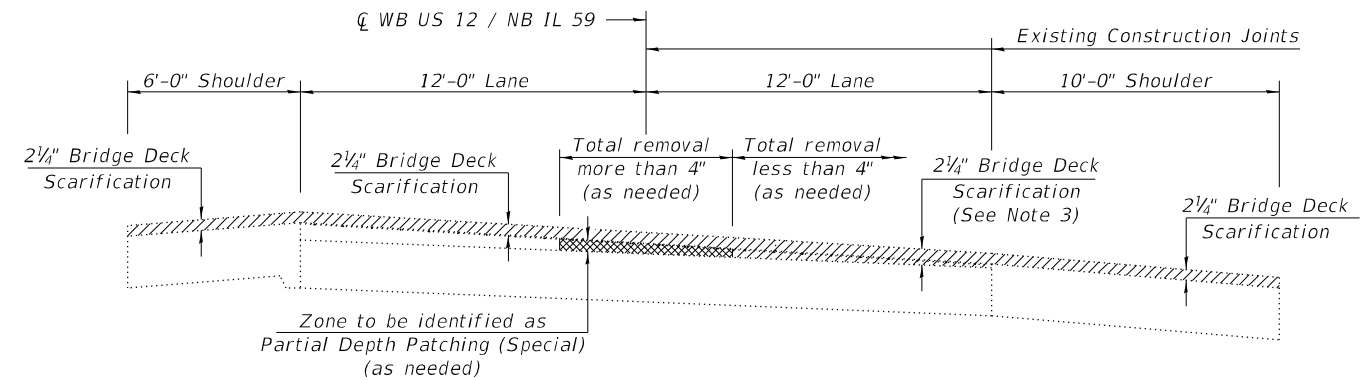
**EXISTING CONDITIONS - TANGENT SECTIONS**



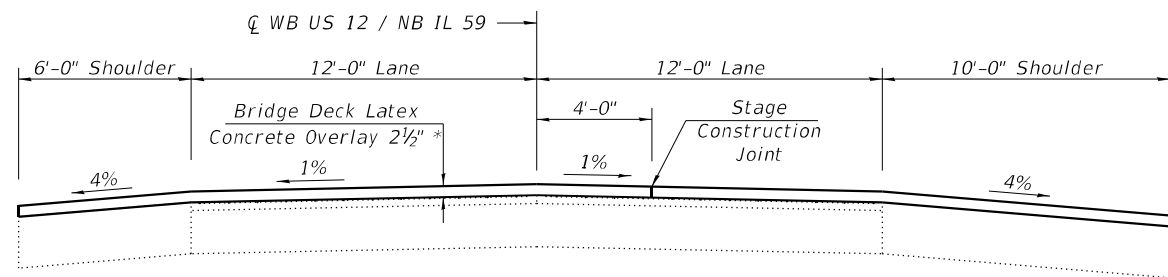
**EXISTING CONDITIONS - SUPERELEVATED SECTIONS**



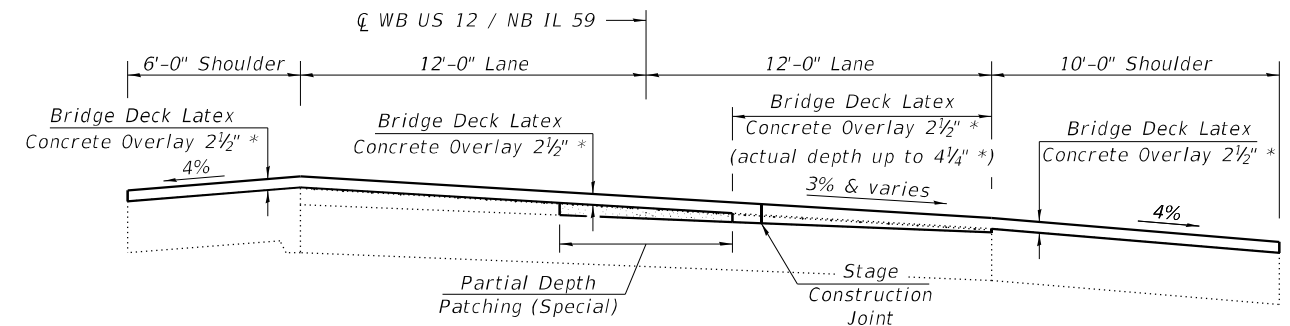
**REMOVAL & SCARIFICATION - TANGENT SECTIONS**



**REMOVAL & SCARIFICATION - SUPERELEVATED SECTIONS**



**PROPOSED OVERLAY - TANGENT SECTIONS**



**PROPOSED OVERLAY - SUPERELEVATED SECTIONS**

**NOTES**

1. Northbound land bridges shown, Southbound similar.
2. Refer to Sheet 3 of 9 for Stage Construction Details.
3. Bridge Deck Scarification is intended to remove the existing concrete surface to a depth of 2 1/4 inches, plus additional depth at isolated partial-depth repair areas as indicated on sheets 6 thru 8 of 9. Details shown on this sheet are to address larger areas where the remainder of the existing concrete overlay may be in unsound condition after 2 1/4 inches are removed. All removal of unsound concrete, regardless of total depth, shall be completed under the pay item Bridge Deck Scarification 2 1/4" and in accordance with the Special Provision for Bridge Deck Latex Concrete Overlay.
4. All new overlay material up to a total depth of 4 inches (after grinding) shall be constructed and paid for according to the Special Provision for Bridge Deck Latex Concrete Overlay. Where total removal depth exceeds 4 inches, an initial lift of Partial Depth Patching (Special) shall be constructed to 2 1/4 inches below the proposed final surface (after grinding) followed by a final 2 1/2 inch (prior to grinding) lift of Bridge Deck Latex Concrete Overlay, 2 1/2" after the necessary curing period is complete.

\* Prior to grinding.

**SEQUENCE OF CONSTRUCTION**

- A: Perform scarification to a total depth of 2 1/4 inches, exercising extreme care not to damage existing reinforcement or remove additional sound concrete.
- B: After removal operations are complete, identify any large longitudinal strips (>100 Sq. Ft.) where total removal depth exceeds 4 inches. Construct initial lift of Partial Depth Patching (Special) in these areas to 2 1/4" below proposed final surface (after grinding). Smaller isolated depressions shall be filled and paid for according to the special provision for Bridge Deck Latex Concrete Overlay.
- C: After the required curing period of Partial Depth Patching (Special) is complete, construct Bridge Deck Latex Concrete Overlay, followed by diamond grinding and longitudinal grooving.

MODEL: Default  
FILE NAME: I:\Crystal Lake\LDOT\200777-Accurate Var Ph I\ACAD\W05 US12 IL59\5 - Latex Overlay Details.dgn



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	DATE - 1/21/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LATEX CONCRETE OVERLAY DETAILS  
US 12 /IL 59 AT FISH CREEK**

SHEET 5 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	27
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT				

**NORTHBOUND - BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Preformed Joint Seal 2 1/2"	Foot	320
Bridge Deck Grooving	Sq Yd	2511
Bridge Deck Scarification 2 1/4 Inch	Sq Yd	2511
Bridge Deck Latex Concrete Overlay 2 1/2"	Sq Yd	2511
Partial Depth Patching (Special)	Sq Yd	377
Diamond Grinding (Bridge Section)	Sq Yd	1560
Bridge Deck Grooving (Longitudinal)	Sq Yd	1507

**SOUTHBOUND - BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Preformed Joint Seal 2 1/2"	Foot	200
Bridge Deck Grooving	Sq Yd	1507
Bridge Deck Scarification 2 1/4 Inch	Sq Yd	1507
Bridge Deck Latex Concrete Overlay 2 1/2"	Sq Yd	1507
Partial Depth Patching (Special)	Sq Yd	227
Diamond Grinding (Bridge Section)	Sq Yd	958
Bridge Deck Grooving (Longitudinal)	Sq Yd	904

**LEGEND**

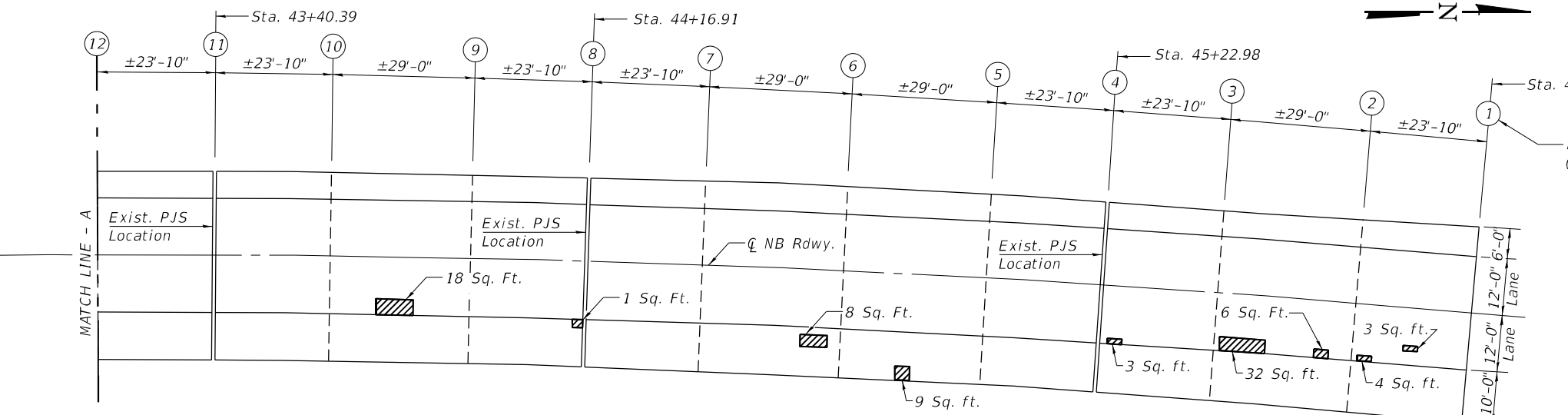
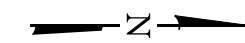
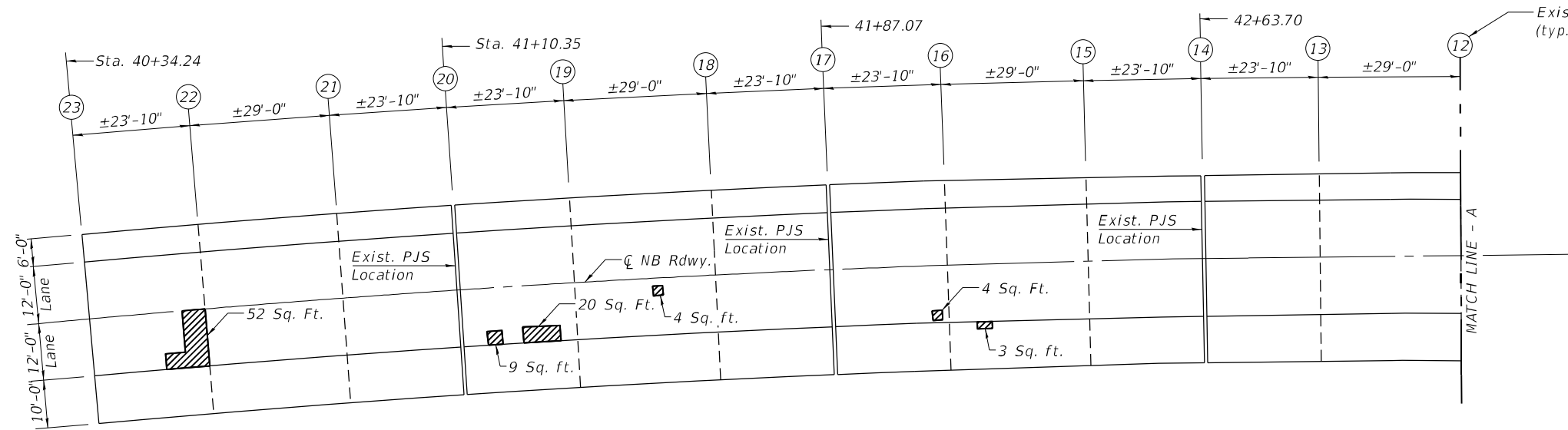
 Deck Slab Repair (Partial Depth)\*

\* Area of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 2 1/2"

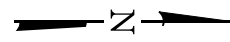
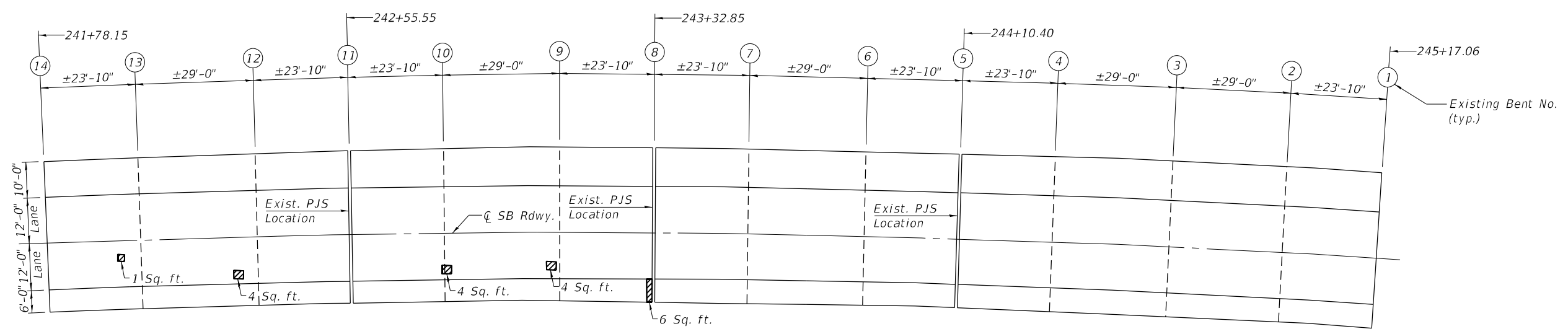
**NOTES**

Areas of deck slab repair shown are estimated. Partial Depth Patching (Special) areas are not shown. The actual repair areas for both items shall be determined by the Engineer during Construction.

See Sheet 5 of 9 for Deck Slab Repair (Partial) and other details.  
See Sheet 7 of 9 for Preformed Joint Seal (PJS) details.



**PLAN - NORTHBOUND  
LAND BRIDGE NO. 2**



**PLAN - SOUTHBOUND  
LAND BRIDGE NO. 2**

MODEL: Default  
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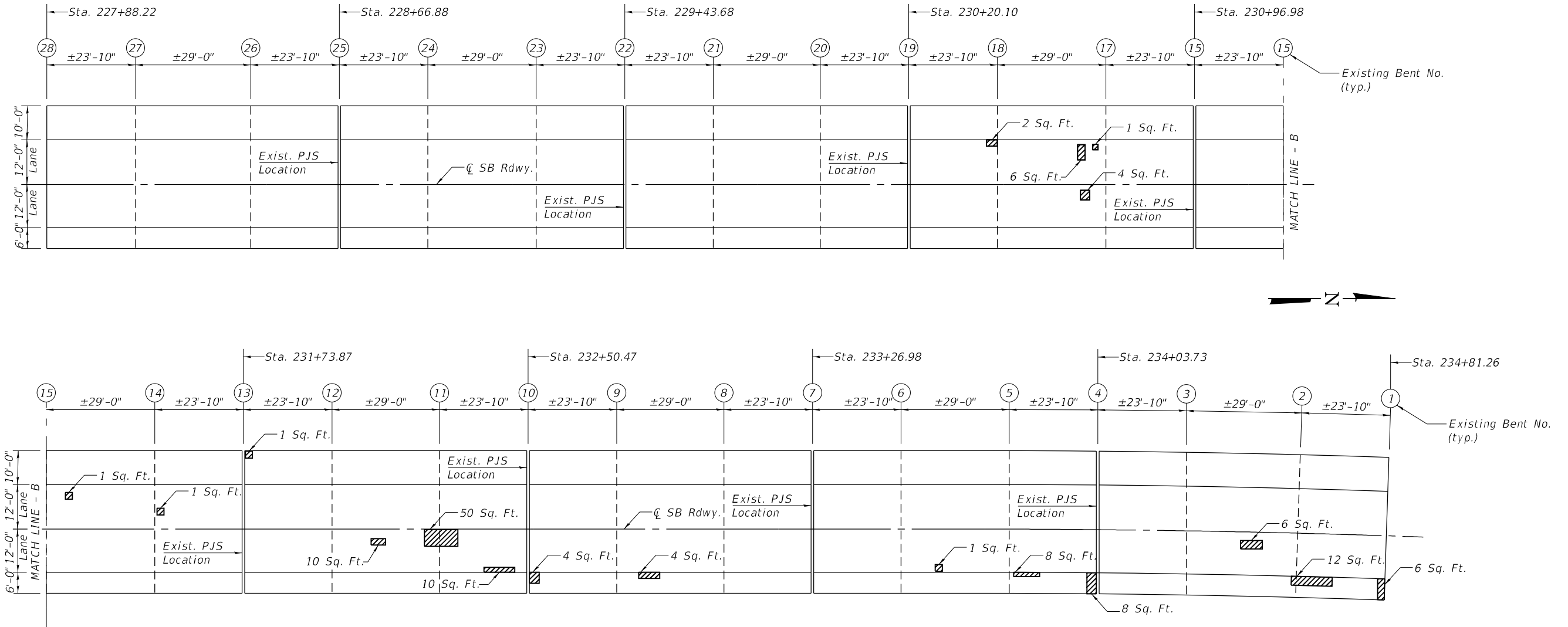
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LAND BRIDGE NO. 2 - DECK SLAB REPAIRS  
US 12 /IL 59 AT FISH CREEK**

SHEET 6 OF 9 SHEETS

F.A.P. RTE. 334	SECTION 2020-251-BR	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 28
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT				





PLAN - SOUTHBOUND  
LAND BRIDGE NO. 3

SOUTHBOUND - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Preformed Joint Seal 2 1/2"	Foot	400
Bridge Deck Grooving	Sq Yd	3081
Bridge Deck Scarification 2 1/4 Inch	Sq Yd	3081
Bridge Deck Latex Concrete Overlay 2 1/2"	Sq Yd	3081
Partial Depth Patching (Special)	Sq Yd	104
Diamond Grinding (Bridge Section)	Sq Yd	1902
Bridge Deck Grooving (Longitudinal)	Sq Yd	1849

LEGEND

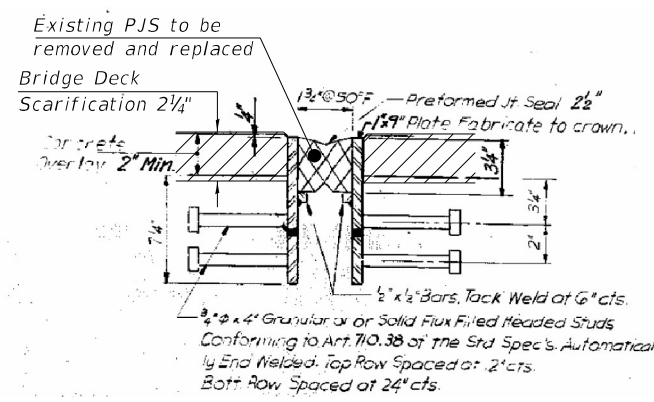
Deck Slab Repair (Partial Depth)\*

\* Area of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 2 1/2"

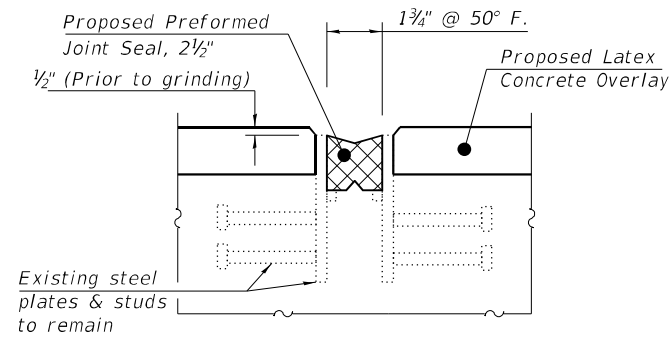
NOTES

Areas of deck slab repair shown are estimated. Partial Depth Patching (Special) areas are not shown. The actual repair areas for both items shall be determined by the Engineer during Construction.

See Sheet 5 of 9 for Deck Slab Repair (Partial) and other details.



EXISTING PREFORMED JOINT SEAL  
(FOR INFORMATION ONLY)



PROPOSED PREFORMED JOINT SEAL

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**BAXTER & WOODMAN**  
Consulting Engineers

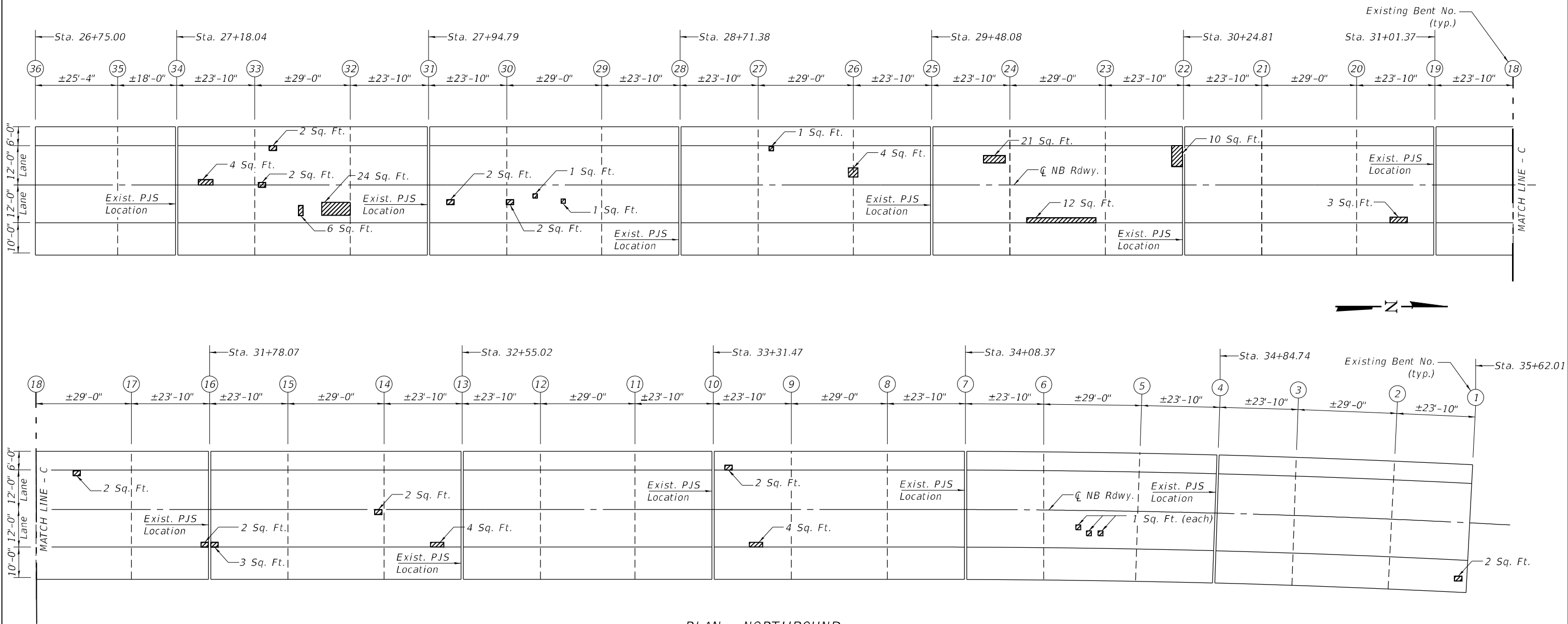
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LAND BRIDGE NO. 3 SOUTHBOUND - DECK SLAB REPAIRS  
US 12 /IL 59 AT FISH CREEK

SHEET 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	29
CONTRACT NO. 62N23				
ILLINOIS FED. AID PROJECT				



PLAN - NORTHBOUND  
LAND BRIDGE NO. 3

NORTHBOUND - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Preformed Joint Seal 2 1/2"	Foot	520
Bridge Deck Grooving	Sq Yd	3943
Bridge Deck Scarification 2 1/4 Inch	Sq Yd	3943
Bridge Deck Latex Concrete Overlay 2 1/2"	Sq Yd	3943
Partial Depth Patching (Special)	Sq Yd	103
Diamond Grinding (Bridge Section)	Sq Yd	2419
Bridge Deck Grooving (Longitudinal)	Sq Yd	2366

LEGEND

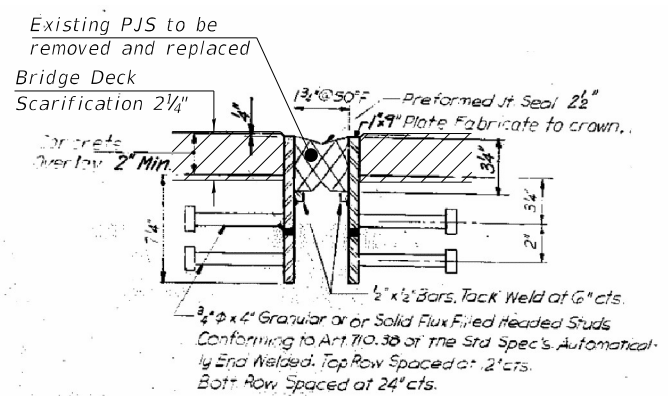
Deck Slab Repair (Partial Depth)\*

\* Area of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 2 1/2"

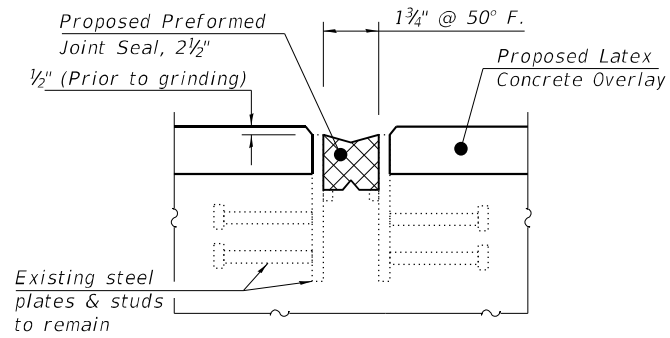
NOTES

Areas of deck slab repair shown are estimated. Partial Depth Patching (Special) areas are not shown. The actual repair areas for both items shall be determined by the Engineer during Construction.

See Sheet 5 of 9 for Deck Slab Repair (Partial) and other details.



EXISTING PREFORMED JOINT SEAL  
(FOR INFORMATION ONLY)



PROPOSED PREFORMED JOINT SEAL

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

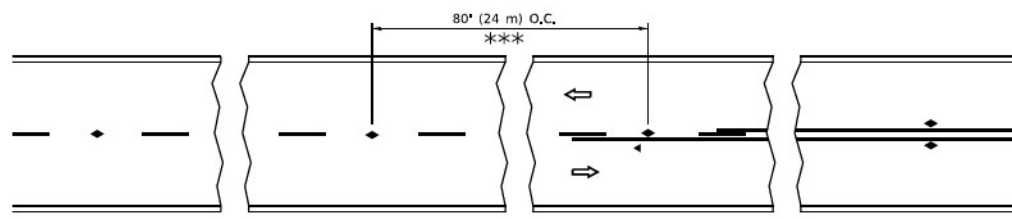
LAND BRIDGE NO. 3 NORTHBOUND - DECK SLAB REPAIRS  
US 12 /IL 59 AT FISH CREEK

SHEET 8 OF 9 SHEETS

F.A.P. RTE. 334	SECTION 2020-251-BR	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 30
CONTRACT NO. 62N23			ILLINOIS FED. AID PROJECT	

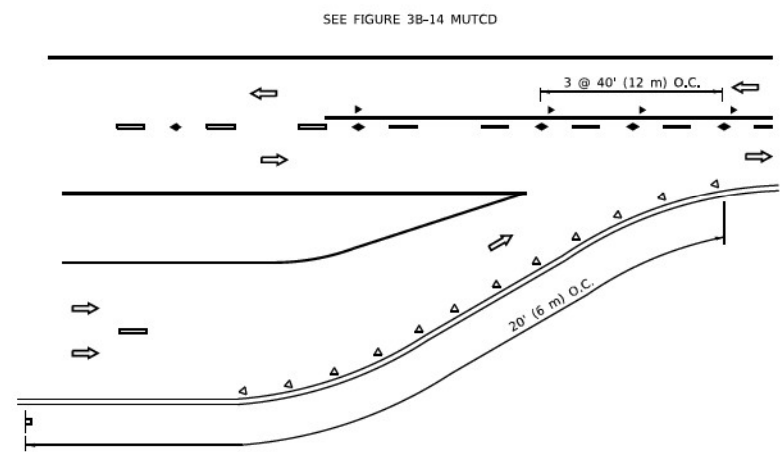




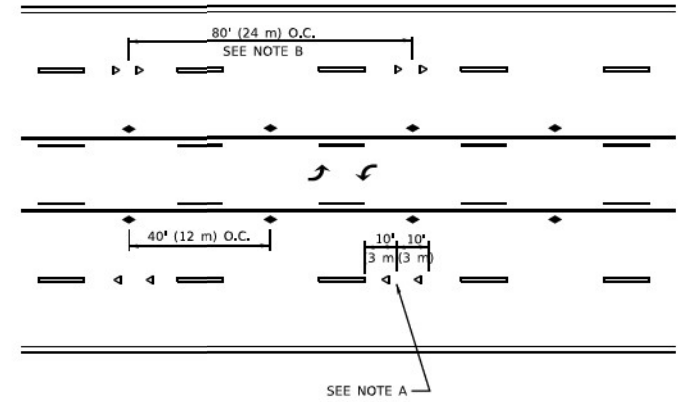


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

**TWO-LANE/TWO-WAY**

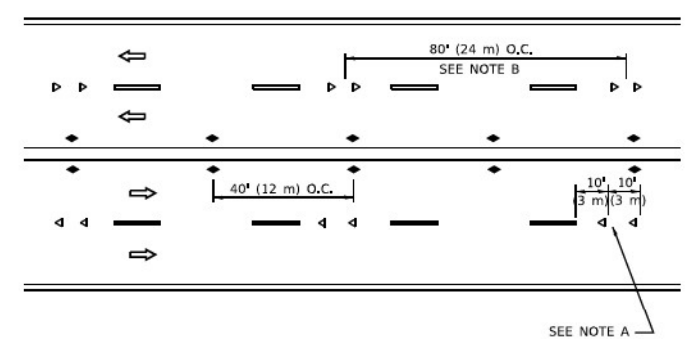


**LANE REDUCTION TRANSITION**



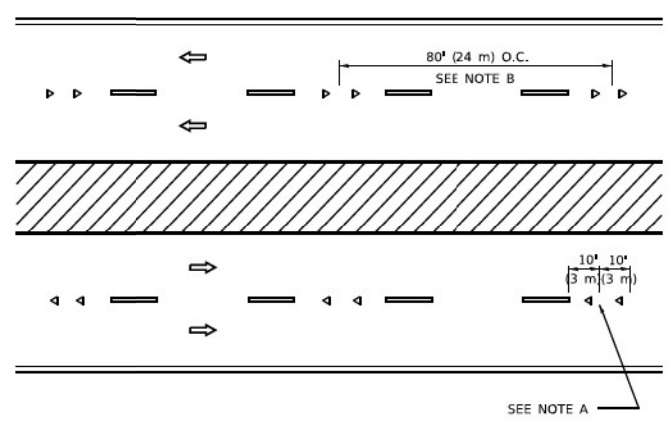
**TWO-WAY LEFT TURN**

SEE NOTE A



**MULTI-LANE/UNDIVIDED**

SEE NOTE A



**MULTI-LANE/DIVIDED**

SEE NOTE A

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

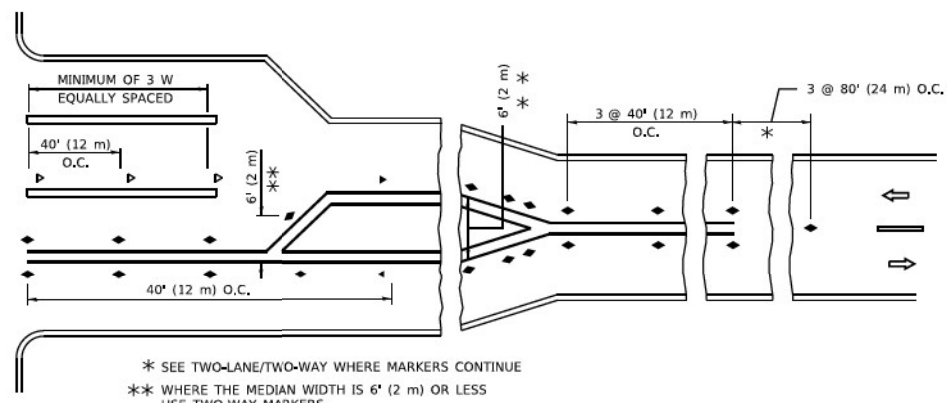
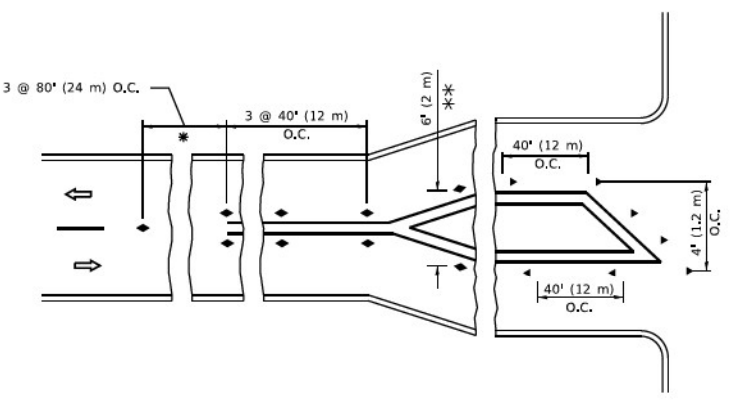
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



**TURN LANES**

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

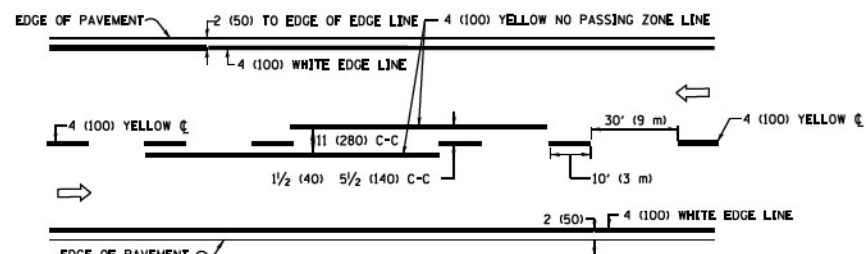
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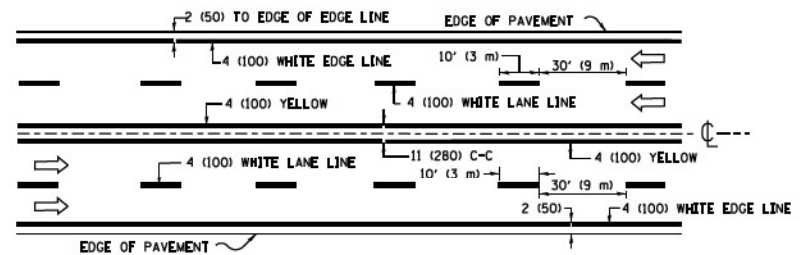
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

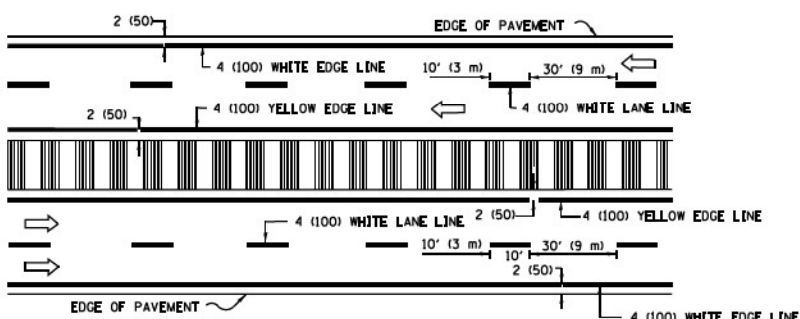
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334	2020-251-BR	LAKE	37	33
TC-11		CONTRACT NO. 62N23		
ILLINOIS   FED. AID PROJECT 3MVI(349)				



**2-LANE ROADWAY**

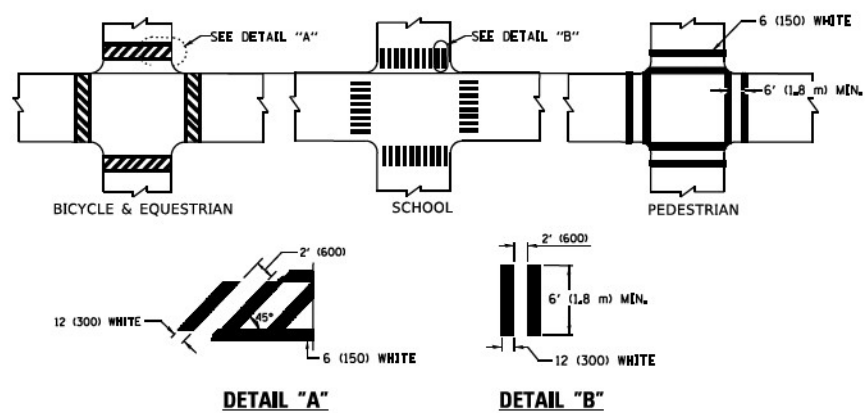


**MULTI-LANE UNDIVIDED**



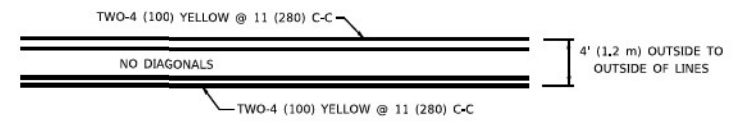
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

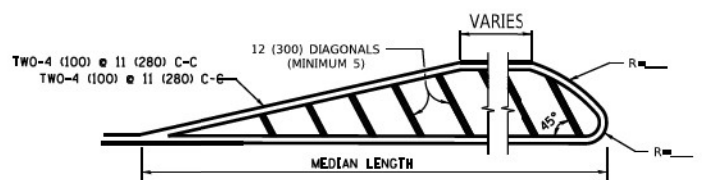


**TYPICAL CROSSWALK MARKING**

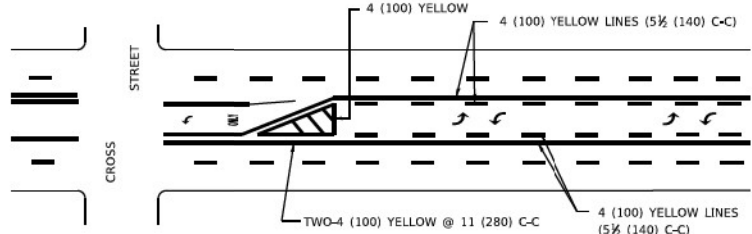
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



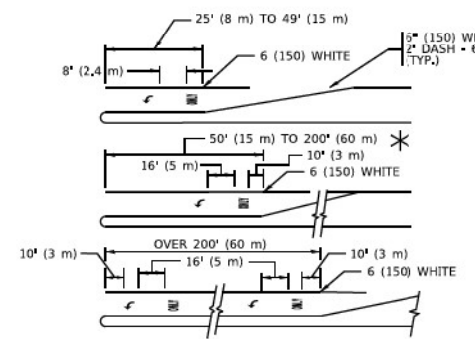
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**

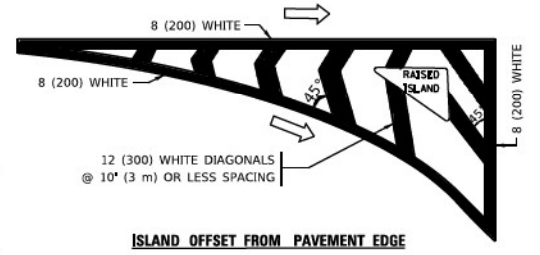


**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

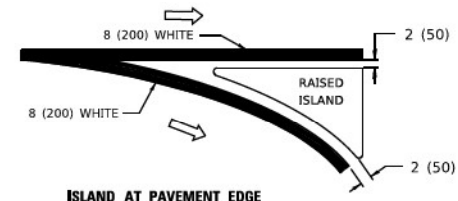


**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

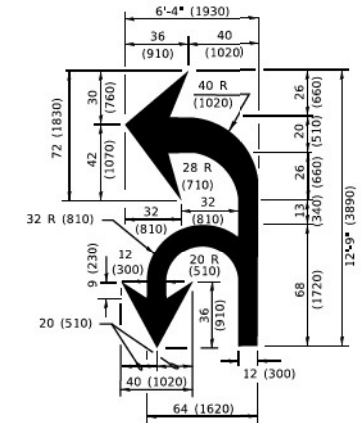


**ISLAND OFFSET FROM PAVEMENT EDGE**

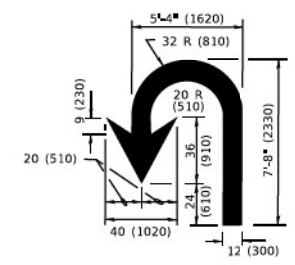


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**  
\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C UMI SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: *R* 15' (4.5 m) LETTERS: 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

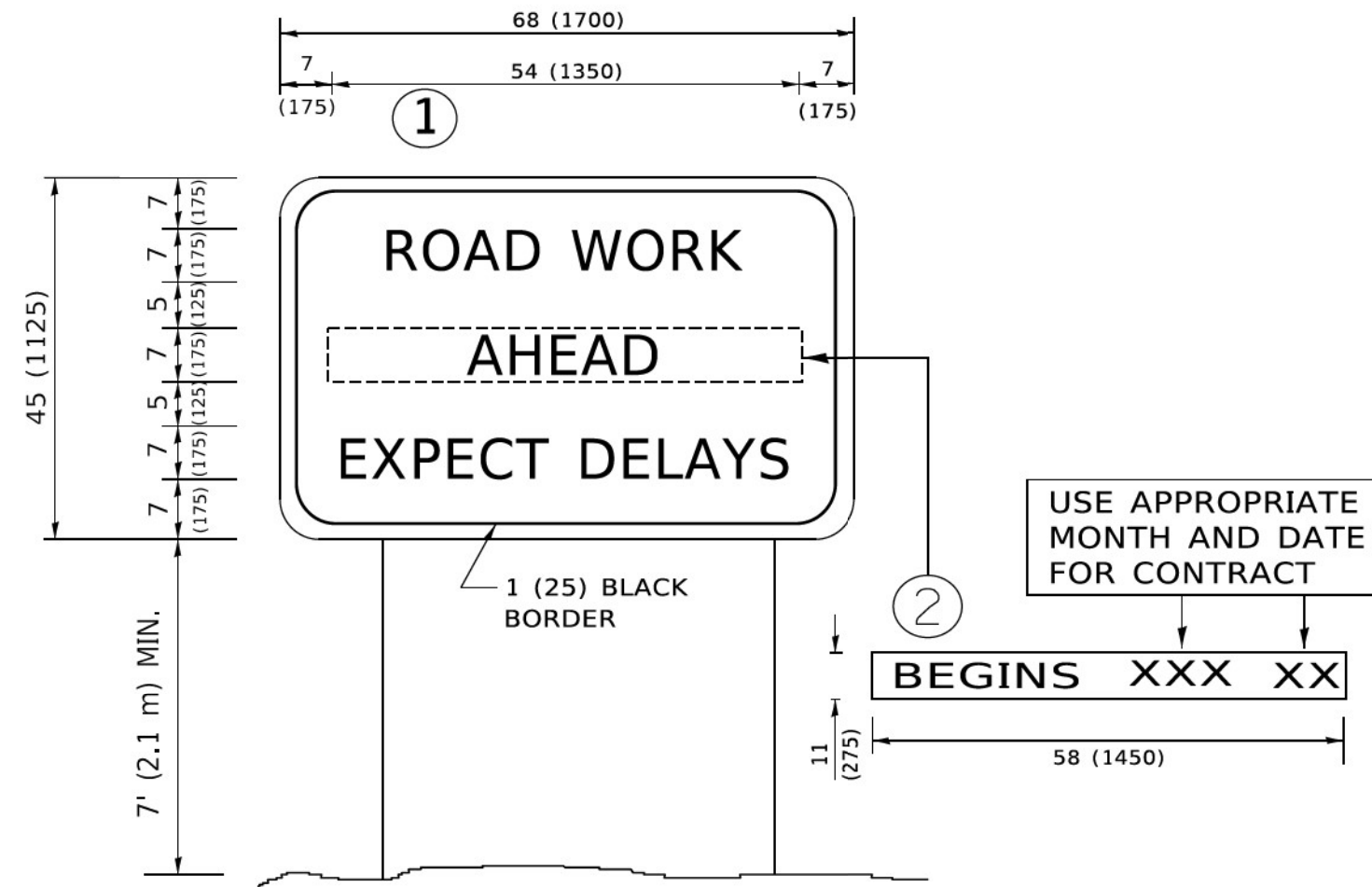
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PLOT SCALE - 50,0000 / 1/1	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE - 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		334	2020-251-BR	LAKE	37	34
SCALE: NONE	SHEET 1 OF 2 SHEETS	TC-13		CONTRACT NO. 62N23		
STA. TO STA.	ILLINOIS FED. AID PROJECT 3M(1349)					





**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\projects\2020\2020-251-8R\2020-251-8R.dwg  
 FILE: 2020-251-8R.dwg  
 PLOT DATE: 3/4/2019 10:10 AM

USER NAME	DESIGNED -	REVISED -
footem	R. MIRS 09-15-97	R. MIRS 12-11-97
	DRAWN -	REVISED -
		T. RAMMACHER 02-02-99
PLOT SCALE	CHECKED -	REVISED -
1/4" = 50,000'		C. JUCIUS 01-31-07
PLOT DATE	DATE -	
3/4/2019		

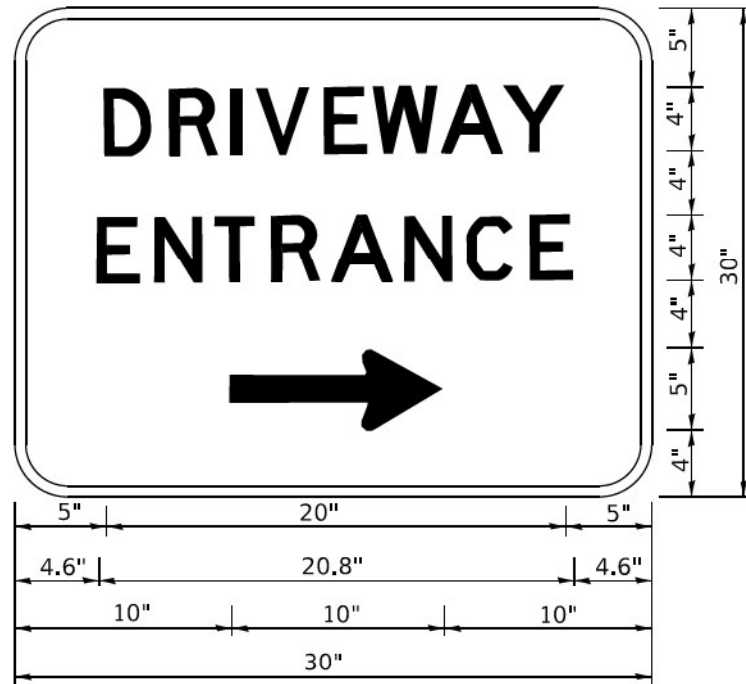
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-8R	LAKE	37	36
TC-22		CONTRACT NO. 62N23		
ILLINOIS FED. AID PROJECT 3M(1349)				





3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: DESIGNER: JUCIUS  
 FILE NAME: E:\PROJECTS\2020\2020-251-BR\2020-251-BR-01\2020-251-BR-01-01.dwg  
 PLOT DATE: 3/4/2019 10:25 AM

USER NAME	DESIGNED -	REVISED -
footernj	DRAWN -	C. JUCIUS 02-15-07
	CHECKED -	REVISED -
PLOT SCALE = 50,0000 1 / in.	DATE -	REVISED -
PLOT DATE = 3/4/2019		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2020-251-BR	LAKE	37	37
TC-26			CONTRACT NO. 62N23	
ILLINOIS FED. AID PROJECT 3MVI(349)				