

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	1
		ILLINOIS	CONTRACT NO. 62T16	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

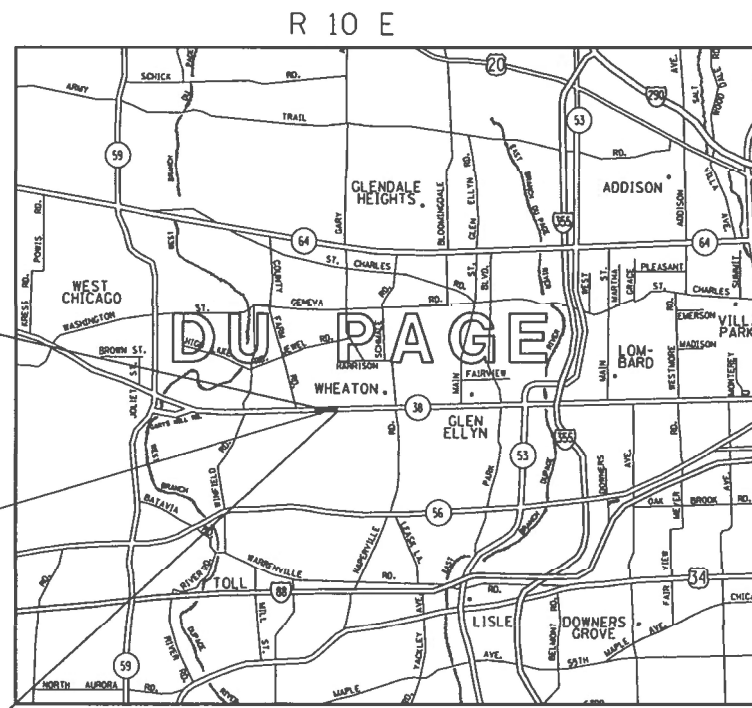
THIS IMPROVEMENT IS LOCATED IN THE CITY OF WHEATON

**TRAFFIC DATA:**  
 IL ROUTE 38  
 AADT (2021) = 21,200 VPD  
 ADT (2021) = 24,900 VPD  
 POSTED AND DESIGN SPEED LIMIT = 40 MPH

**PROPOSED  
HIGHWAY PLANS**

**F.A.P. ROUTE 347 IL 38 (ROOSEVELT ROAD)  
 OVER WINFIELD CREEK  
 SECTION FAP 0347 22 BJ2  
 PROJECT NHPP-9PWJ(433)  
 BRIDGE DECK OVERLAY & JOINT REPAIR  
 DUPAGE COUNTY**

C-91-301-22



IL-38 ROAD IMPROVEMENTS BEGIN STA 0+00

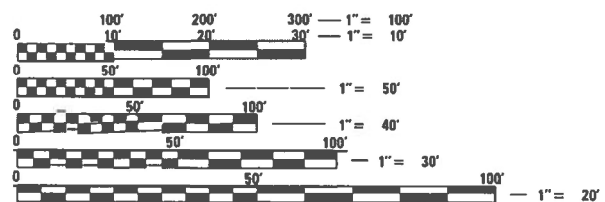
SUPER STRUCTURE IMPROVEMENT STA. 3+22.87 TO STA. 3+40.37 EXISTING S.N. 022-2009

IL-38 ROAD IMPROVEMENTS END STA 6+00

THE CITY OF WHEATON  
MILTON TOWNSHIP & WINFIELD TOWNSHIP

**LOCATION MAP**  
NOT TO SCALE

GROSS LENGTH = 700.00 FT. = 0.1326 MILE  
 NET LENGTH = 700.00 FT. = 0.1326 MILE



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

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

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240  
 PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62T16



3/17/2023

Kendy Estimable Date  
 Illinois Registered Engineer No. 062-071404  
 Registration Expires Nov. 30, 2023



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 20 20 23  
Jon Rios REGIONAL ENGINEER  
 May 12, 2023  
John A. Elk  
 ENGINEER OF DESIGN AND ENVIRONMENT  
 May 12, 2023  
Stephen M. Smith  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

## INDEX OF SHEETS

1	COVER SHEET
2	INDEX, HIGHWAY STANDARDS & GENERAL NOTES
3 - 5	SUMMARY OF QUANTITIES
6-7	SCHEDULE OF QUANTITIES
8-9	TYPICAL SECTIONS
10	ALIGNMENT, BENCHMARKS AND TIES
11	REMOVAL AND EROSION CONTROL PLAN
12	ROADWAY PLAN AND PROFILE
13	TRAFFIC CONTROL GENERAL NOTES/SEQUENCE OF CONSTRUCTION
14	TRAFFIC CONTROL TYPICAL SECTIONS
15-18	TRAFFIC CONTROL PLAN
19	PAVEMENT MARKING PLANS
20-30	STRUCTURAL PLANS
31	PAVEMENT TRANSITION DETAILS
32	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
33	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
34	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
35	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
36	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
37	SHORT TERM PAVEMENT MARKING LETTER AND SYMBOL (TC-16)
38	ARTERIAL ROAD INFORMATION SIGN (TC-22)
39	DRIVEWAY ENTRANCE SIGNING (TC-26)

## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-04	NAME PLATE FOR BRIDGES
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15" TO 24" FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER., FOR SPEED ≤ 40 MPH
701606-10	URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER BARRIER WALL REFLECTOR MOUNTING DETAILS

## GENERAL NOTES

- THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES ARE IN THE AREA.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES THE CITY OF WHEATON.
- THE CONTRACTOR SHALL NOT SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL CONTRACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.
- THE ENGINEER SHALL CONTACT THE WALTER CZARNY TRAFFIC FIELD AREA ENGINEER VIA EMAIL, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PAVEMENT MARKINGS  
  
DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED AT A MINIMUM OF 1:3 (V:H).
- THE CONTRACTOR SHALL USE CARE NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.  
  
THE LOCATION OF THE EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MANS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT BE SHOWN IN THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- 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 AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 PAVEMENT MARKINGS STANDARD DETAILS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULL LOADED TANDEM AXLE TRUCK.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTORS VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR MUST VERIFY THE EXISTING SUBBASE AND PAVEMENT DEPTH IF APPLICABLE.
- THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH TEMPORARY MARKINGS, IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE DIRECTED BY THE RESIDENT ENGINEER.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF WHEATON. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING CREEK. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

MODEL NUMBER/NAME  
FILE NAME: SHEETS



USER NAME = \$USERS	DESIGNED - KE	REVISED -
	DRAWN - KE	REVISED -
PLOT SCALE = \$SCALES	CHECKED - TC	REVISED -
PLOT DATE = \$DATES	DATE - 03/22/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 38 OVER WINFIELD CREEK  
INDEX, HIGHWAY STANDARDS & GENERAL NOTES

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	2
			CONTRACT NO. 62T16	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				NHPP 80% FED 20% STATE	NHPP 80% FED 20% STATE		
				ROADWAY 0005	BRIDGE 0047		
				URBAN	S.N. 022-2009		
20200100	EARTH EXCAVATION	CU YD	98	98	0		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	694	694	0		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	38	38	0		
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	0		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23	0		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23	0		
25100630	EROSION CONTROL BLANKET	SQ YD	38	38	0		
28000305	TEMPORARY DITCH CHECKS	FOOT	300	300	0		
28000400	PERIMETER EROSION BARRIER	FOOT	542	542	0		
28000500	INLET AND PIPE PROTECTION	EACH	4	4	0		
28000510	INLET FILTERS	EACH	2	2	0		
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	53	53	0		
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	53	53	0		
35501329	HOT-MIX ASPHALT BASE COURSE, 11 1/4"	SQ YD	52	52	0		

\*SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				NHPP 80% FED 20% STATE	NHPP 80% FED 20% STATE		
				ROADWAY 0005	BRIDGE 0047		
				URBAN	S.N. 022-2009		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,312	3,312	0		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400	400	0		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	90	90	0		
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	5.9	5.9	0		
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	60	60	0		
44000100	PAVEMENT REMOVAL	SQ YD	173	173	0		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4	4	0		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	172	172	0		
50300225	CONCRETE STRUCTURES	CU YD	48	0	48		
50300260	BRIDGE DECK GROOVING	SQ YD	659	0	659		
50300300	PROTECTIVE COAT	SQ YD	659	0	659		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	213	0	213		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	72,091	0	72,091		
* 50901050	STEEL RAILING, TYPE SM	FOOT	155	0	155		

\*SPECIALTY ITEM

MODEL NUMBER  
FILE NAME: FILE1



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	DATE - 03/22/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 38 OVER WINFIELD CREEK  
SUMMARY OF QUANTITIES

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	3
CONTRACT NO. 62T16			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				NHPP 80% FED 20% STATE	NHPP 80% FED 20% STATE		
				ROADWAY	BRIDGE		
				0005	0047		
	URBAN	5.N.022-2009					
* 6300001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	400	400	0		
* 6310045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2	0		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	0		
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1	0		
63200310	GUARDRAIL REMOVAL	FOOT	540	540	0		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	98	98	0		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	0		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	0		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	0		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	11	11	0		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	0		
67100100	MOBILIZATION	L SUM	1	1	0		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,964	1,964	0		
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	5,456	5,456	0		

\*SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				NHPP 80% FED 20% STATE	NHPP 80% FED 20% STATE		
				ROADWAY	BRIDGE		
				0005	0047		
	URBAN	5.N.022-2009					
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	146	146	0		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	612.5	612.5	0		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	600	600	0		
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	0		
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	0		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	0		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	42	42	0		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,438	2,438	0		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	482	482	0		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	38	38	0		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50	50	0		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,008	1,008	0		
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	78	78	0		
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	28	28	0		

\*SPECIALTY ITEM

MODEL NUMBER  
FILE NAME: 31113



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
SUMMARY OF QUANTITIES**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2		39	4
			CONTRACT NO. 62T16	
		ILLINOIS FED. AID PROJECT		



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				NHPP 80% FED 20% STATE	NHPP 80% FED 20% STATE		
				ROADWAY 0005	BRIDGE 0047		
				URBAN	5.N.022-2009		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	61	61	0		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	9	9	0		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	51	51	0		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	61	61	0		
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	2	2	0		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	345	345	0		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	0		
Z0004552	APPROACH SLAB REMOVAL	SQ YD	340	0	340		
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	149	0	149		
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	149	0	149		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	18	0	18		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0		
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	36	0	36		
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	10	0	10		

\*SPECIALTY ITEM

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				NHPP 80% FED 20% STATE	NHPP 80% FED 20% STATE		
				ROADWAY 0005	BRIDGE 0047		
				URBAN	5.N.022-2009		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	0		
Z0073500	TEMPORARY SUPPORT SYSTEM	L SUM	1	0	1		
Ø Z0076600	TRAINEES	HOURS	500	500			
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500			

\*SPECIALTY ITEM

MODEL NUMBER  
FILE NAME: 311113



USER NAME = \$USERS	DESIGNED - KE	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 38 OVER WINFIELD CREEK  
SUMMARY OF QUANTITIES

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	5
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

Ø 0042

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, CU YD. Category: 20200100 EARTH EXCAVATION.

Table with 4 columns: ALIGNMENT, STATION, OFFSET, EACH. Category: 28000500 INLET AND PIPE PROTECTION.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, TON. Category: 48102100 AGGREGATE WEDGE SHOULDER, TYPE B.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, SQ YD. Category: 21101615 TOPSOIL FURNISH AND PLACE, 4".

Table with 4 columns: ALIGNMENT, STATION, OFFSET, EACH. Category: 28000510 INLET FILTERS.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, SQ YD. Category: 48203029 HOT-MIX ASPHALT SHOULDERS, 8".

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, ACRE. Category: 25000210 SEEDING, CLASS 2A.

Table with 4 columns: ALIGNMENT, STATION, OFFSET, FOOT. Category: 28000305 TEMPORARY DITCH CHECKS.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, FOOT. Category: 63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, POUND. Category: 25000400 NITROGEN FERTILIZER NUTRIENT.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, SQ YD. Category: 35501329 HOT-MIX ASPHALT BASE COURSE, 1 1/4".

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, EACH. Category: 63100045 TRAFFIC BARRIER TERMINAL, TYPE 2.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, POUND. Category: 25000600 POTASSIUM FERTILIZER NUTRIENT.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, POND. Category: 40600290 BITUMINOUS MATERIALS (TACK COAT).

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, EACH. Category: 63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, SQ YD. Category: 25100630 EROSION CONTROL BLANKET.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, TON. Category: 40603085 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, UNIT. Category: X2020110 GRADING AND SHAPING SHOULDERS.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, FOOT. Category: 28000400 PERIMETER EROSION BARRIER.

Table with 6 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, TON. Category: 40604062 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70.

Table with 8 columns: ALIGNMENT, STATION FROM, OFFSET, STATION TO, OFFSET, COURSE, MIX "D", IL-9.5, N50, 2", TON, SQ YD, UNIT. Category: DRIVEWAYS.

Model: D:\p\... FILE NAME: p\... PROJECT: IDOT-DHQ-F-1-Variants\CAD\_Sheets\Work\_Order\_1610196603\plan\Sheet1.dgn



Table with 4 columns: USER NAME, DESIGNED, REVISIONS (DRAWN, CHECKED, DATE).

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 38 OVER WINFIELD CREEK SCHEDULE OF QUANTITIES

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

Table with 6 columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

LOCATION		THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)			THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)		THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600)
STA.	STA.	WHITE SOLID EDGE LINE	WHITE SKIP DASH LINE	YELLOW SOLID CENTERLINE	WHITE SOLID EDGE LINE	WHITE DOTTED LINE	SQ FT	YELLOW SOLID LINE
		FOOT	FOOT	FOOT	FOOT	FOOT		FOOT
0+95	2+92	288	394	486	125	77	21	6
4+18	7+33	136	630	504	125	155	21	32
TOTAL		424	1024	990	250	232	42	38

LOCATION		MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (78009004)			MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (78009006)	MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (78009012)
STA.	STA.	WHITE SOLID EDGE LINE	WHITE SKIP DASH LINE	YELLOW SOLID CENTERLINE	WHITE DOTTED LINE	YELLOW SOLID LINE
		FOOT	FOOT	FOOT	FOOT	FOOT
2+92	4+18	252	252	504	78	28
TOTAL		252	252	504	78	28

MODEL: D:\info\...  
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 PROJECT: ...  
 USER: ...  
 DATE: ...  
 PROJECT: ...  
 SHEET: ...  
 ORDER: ...  
 SHEETS: ...  
 ORDER: ...  
 SHEETS: ...



USER NAME	maik,mastal	DESIGNED	AT	REVISED	-
		DRAWN	AT	REVISED	-
PLOT SCALE	20,0000 * / in.	CHECKED	TC	REVISED	-
PLOT DATE	3/22/2023	DATE	03/22/2023	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
SCHEDULE OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	7
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

MODEL Path: \\p010101\projects\62116\62116.dwg  
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 PROJECT: 62116  
 SHEET: 1 OF 2  
 DATE: 03/22/2023

**LEGEND - EXISTING:**

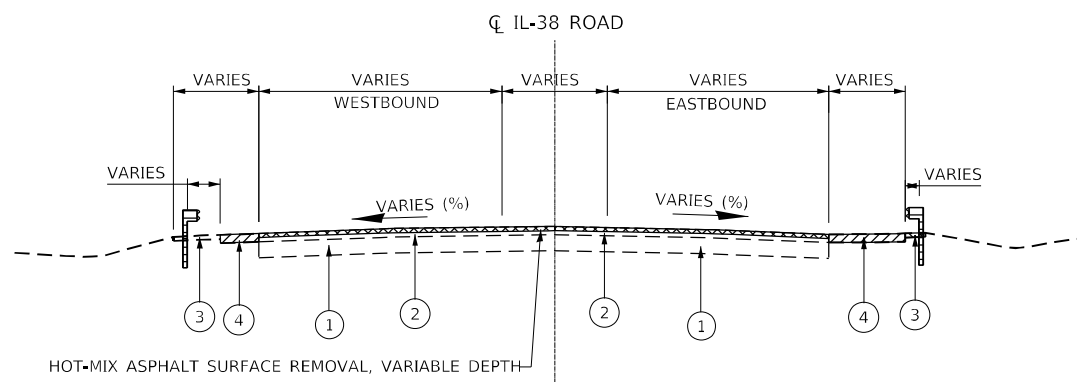
- ① EXISTING P.C.C. PAVEMENT COURSE, 7" (+/-)
- ② EXISTING HMA SURFACE COURSE, 7.75" (+/-)
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA SHOULDER
- ⑤ EXISTING APPROACH FOOTING

**LEGEND - REMOVAL**

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- P.C.C. PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- PAVED SHOULDER REMOVAL
- GUARDRAIL REMOVAL

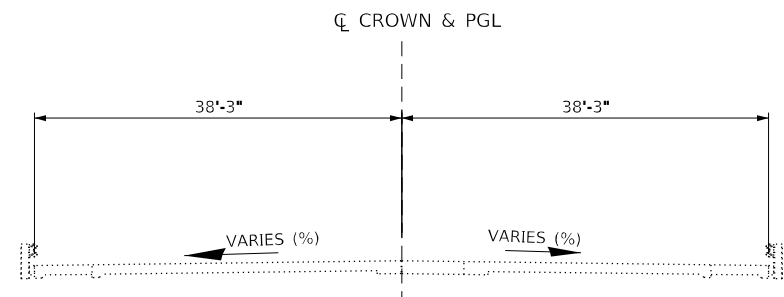
**LEGEND - PROPOSED:**

- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-1/2"
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
- ⑨ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑩ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑪ STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT
- ⑬ BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2"
- ⑭ BRIDGE DECK SCARIFICATION, 3/4", TYP.
- ⑮ DECK SLAB REPAIR (FULL DEPTH, TYPE II), TYP.
- ⑯ STEEL RAILING, TYPE SM
- ⑰ HOT-MIX ASPHALT BASE COURSE, 11-1/4"
- ⑱ APPROACH FOOTING, 10"



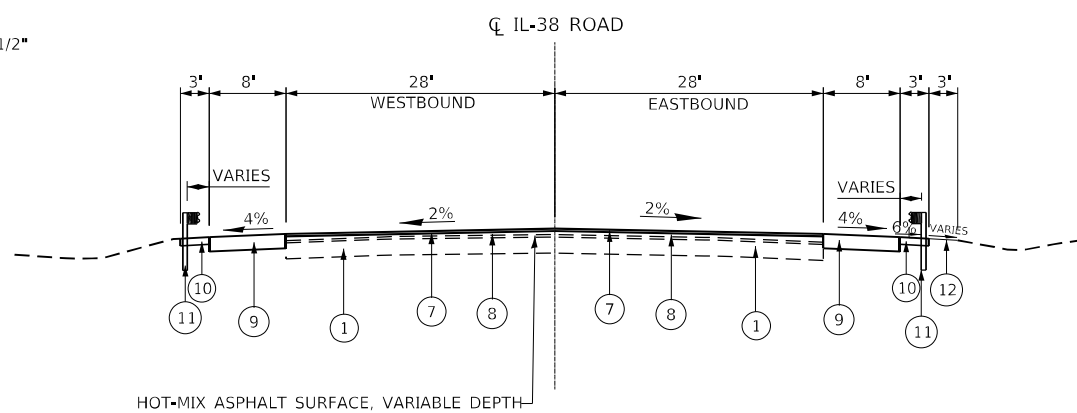
**EXISTING TYPICAL SECTION**

STA 2+52.87 TO STA 2+89.87  
(LOOKING EAST)



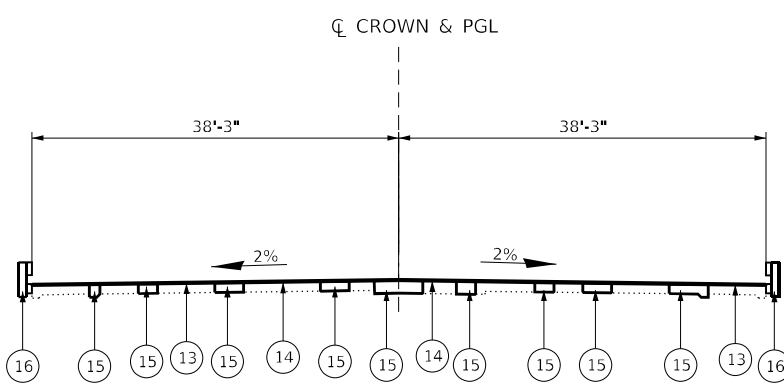
**EXISTING TYPICAL SECTION BRIDGE SECTION**

STA STA 2+92.87 TO 3+70.37  
(LOOKING EAST)



**PROPOSED TYPICAL SECTION**

STA 2+52.87 TO STA 2+89.87  
(LOOKING EAST)



**PROPOSED TYPICAL SECTION BRIDGE SECTION**

STA STA 2+92.87 TO 3+70.37  
(LOOKING EAST)



USER NAME	mmajk	DESIGNED	MM
DRAWN	MM	REVISIONS	
PLOT SCALE	20,000 * / in.	CHECKED	TC
PLOT DATE	3/22/2023	DATE	03/22/2023

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
TYPICAL SECTIONS**

SCALE: NONE      SHEET 1 OF 2 SHEETS      STA. 2+52.87 TO STA. 3+70.37

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	8
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

**LEGEND – EXISTING:**

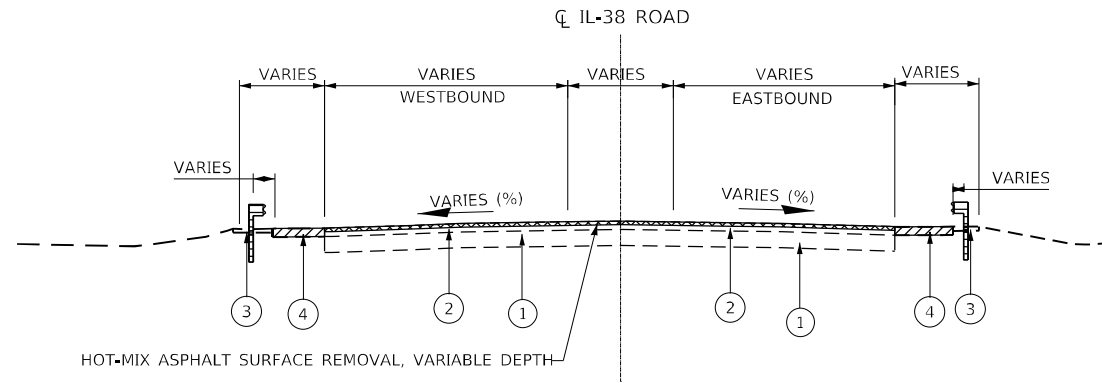
- ① EXISTING P.C.C. PAVEMENT COURSE, 7" (+/-)
- ② EXISTING HMA SURFACE COURSE, 7.75" (+/-)
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA SHOULDER
- ⑤ EXISTING APPROACH FOOTING

**LEGEND – REMOVAL**

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- P.C.C. PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- PAVED SHOULDER REMOVAL
- GUARDRAIL REMOVAL

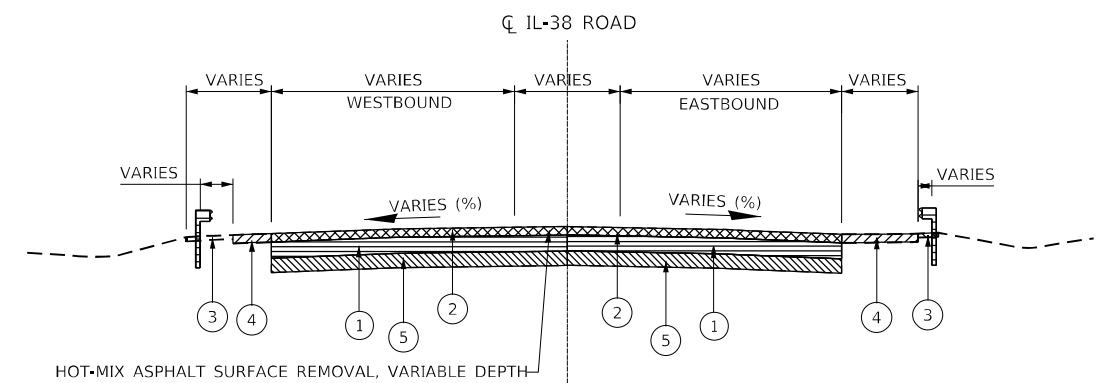
**LEGEND – PROPOSED:**

- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-1/2"
- ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
- ⑨ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑩ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑪ STEEL PLATE BEAM GUARDRAIL, TYPE A
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT
- ⑬ BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2"
- ⑭ BRIDGE DECK SCARIFICATION, 3/4", TYP.
- ⑮ DECK SLAB REPAIR (FULL DEPTH, TYPE II), TYP.
- ⑯ STEEL RAILING, TYPE SM
- ⑰ HOT-MIX ASPHALT BASE COURSE, 11-1/4"
- ⑱ APPROACH FOOTING, 10"



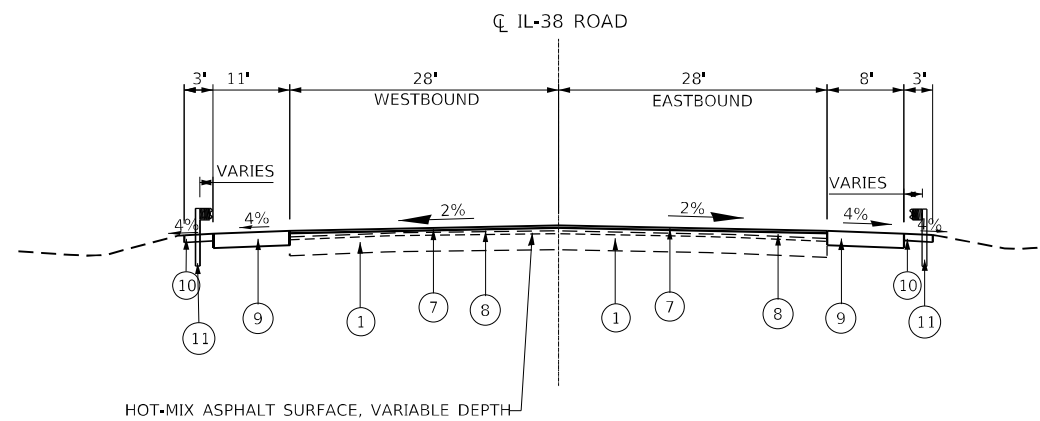
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STA 3+73.37 TO STA 4+47.37  
(LOOKING WEST)



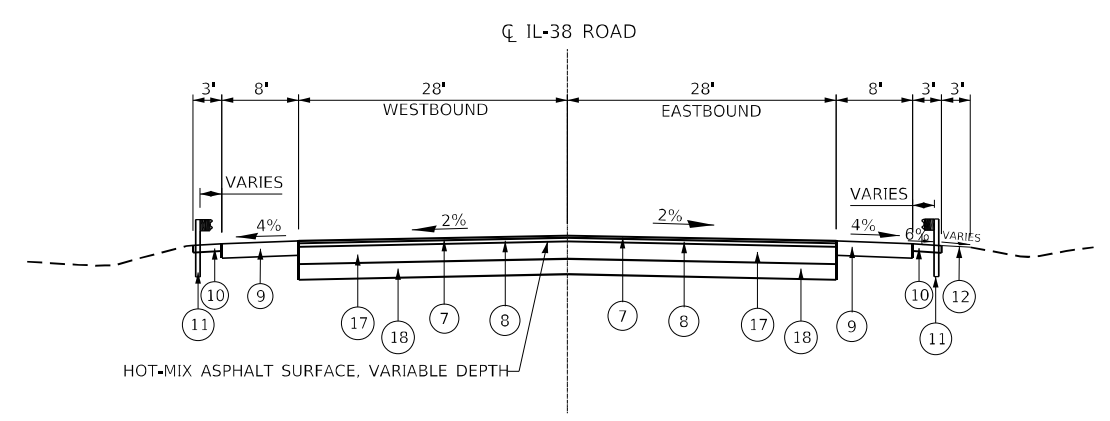
**EXISTING TYPICAL SECTION**

STA 2+89.87 TO STA 2+92.87  
AND  
STA 3+70.37 TO STA 3+73.37



**PROPOSED TYPICAL SECTION**

STA 3+73.37 TO STA 4+47.37  
(LOOKING WEST)



**PROPOSED TYPICAL SECTION**

STA 2+89.87 TO STA 2+92.87  
AND  
STA 3+70.37 TO STA 3+73.37

OPERATIONS	PAVEMENT MIXTURE REQUIREMENTS FOR IL-38 ROAD	PERCENTAIR VOIDS @ Ndes	QMP
RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-1/2"	4% @ 70 Gyr.	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"	4% @ 70 Gyr.	QC/QA
SHOULDER	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 8"	4% @ 70 Gyr.	QC/QA or QCP
DRIVEWAYS	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr.	QC/QA
	HOT-MIX ASPHALT BASE COURSE, 6"(HMA BINDER, IL-19)	4% @ 50 Gyr.	QC/QA
FULL DEPTH PAVEMENT	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-1/2"	4% @ 70 Gyr.	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"	4% @ 70 Gyr.	QC/QA
	HOT-MIX ASPHALT BASE COURSE, 11-1/4" (HMA BINDER, IL-19, N70)	4% @ 70 Gyr.	QC/QA

QMP Designations: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-OLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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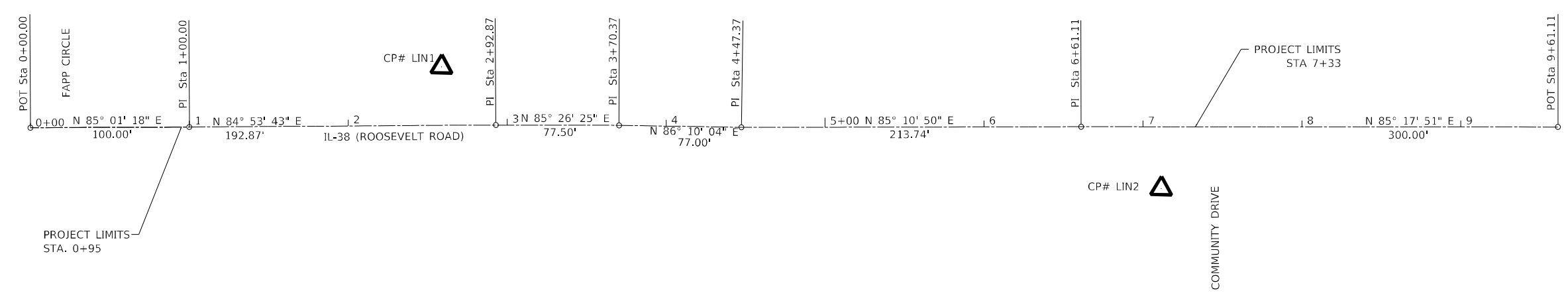
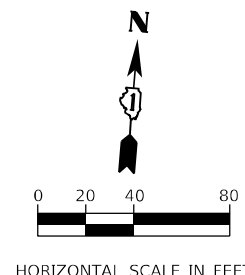
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DRAWN	MM	REVISIONS	
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PLOT DATE	3/22/2023	DATE	03/22/2023

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
TYPICAL SECTIONS**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. 3+70.37 TO STA. 4+47.37

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	9
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

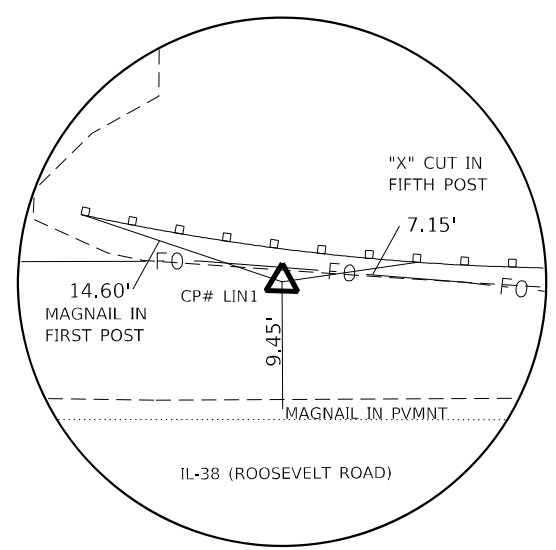


**CP.#LIN1**  
 N:1890923.9130 E:1037508.1810  
 STA. 2+58.99 37.77 LT  
 SET CP'S (REBARS W/CAP)

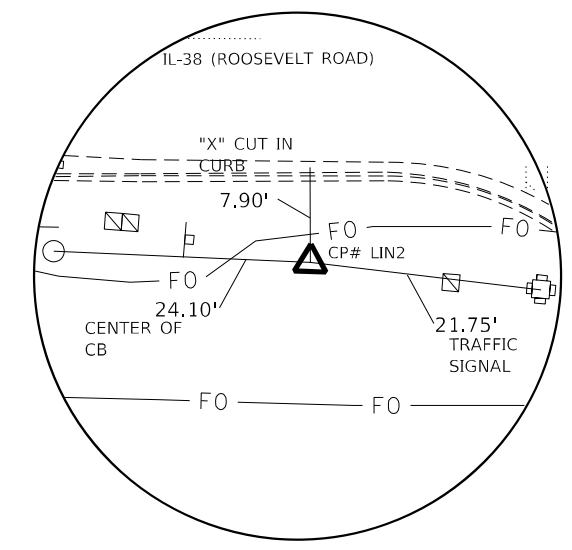
**CP.#LIN2**  
 N:1890884.9100 E:1037965.7130  
 STA. 7+11.45 38.02 RT  
 SET CP'S (REBARS W/CAP)

**BM1**  
 BENCHMARK BM1 - SQ CUT IN TOP OF  
 ABUTMENT IN SE PART OF BRIDGE IL  
 38 OVER WINFIELD CREEK  
 (EL=727.08)

IL-38 (ROOSEVELT ROAD) ALIGNMENT COORDINATES			
POINT	STATION	NORTHING	EASTING
POT	1+00.00	1890872.1441	1037353.1798
PI	2+92.87	1890889.3048	1037545.2832
PI	3+70.37	1890895.4657	1037622.5380
PI	4+47.37	1890900.6120	1037699.3658
POT	6+61.11	1890918.5692	1037912.3504



CP #LIN1 STA. 2+58.99 37.77 LT



CP #LIN2 STA. 7+11.45 38.02 RT

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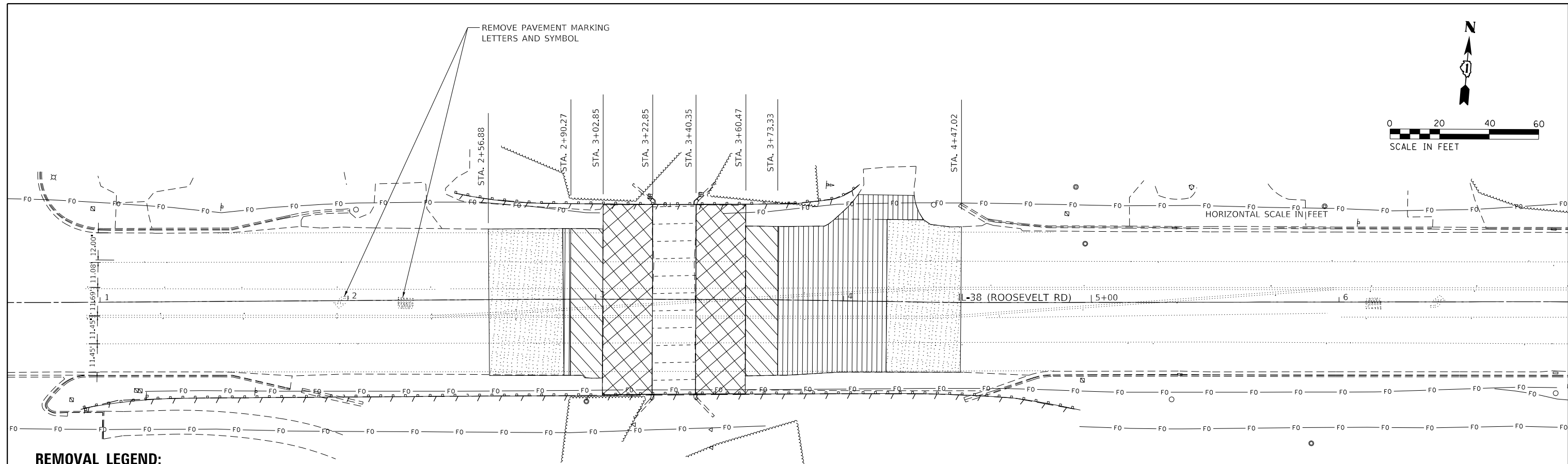


USER NAME = andrew.thompson2	DESIGNED - KE	REVISED -
PLOT SCALE = 80,0000 */ in.	DRAWN - KE	REVISED -
PLOT DATE = 3/22/2023	CHECKED - TC	REVISED -
	DATE - 03/21/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

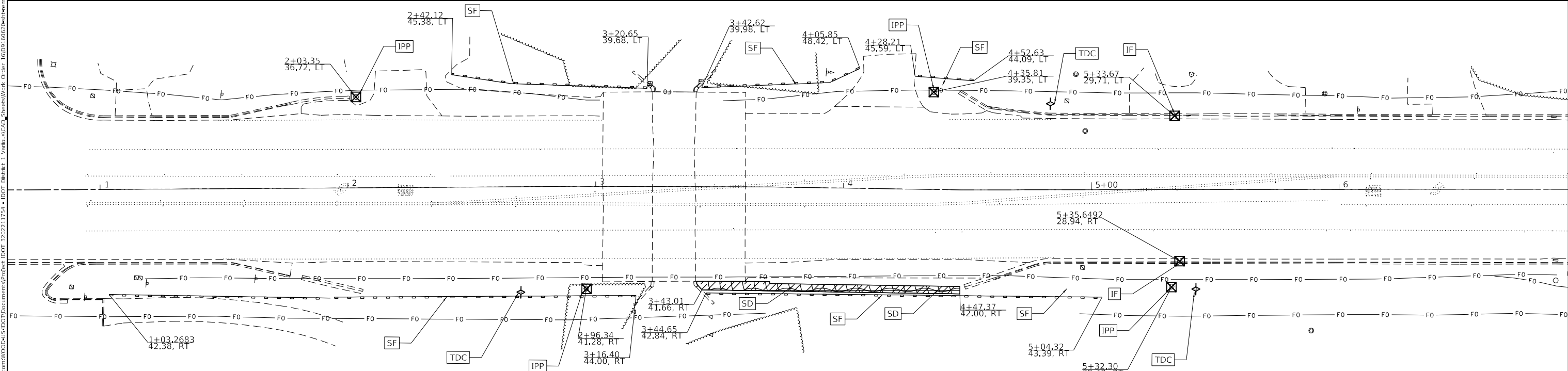
<b>IL 38 OVER WINFIELD CREEK ALIGNMENT, TIES AND BENCHMARKS</b>	
SCALE: 1"=40'	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE. 347	SECTION FAP 0347 22 BJ2	COUNTY DUPAGE	TOTAL SHEETS 39	SHEET NO. 10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T16	



**REMOVAL LEGEND:**

- HOT-MIX ASPHALT SURFACE REMOVAL & BUTT JOINT
- PAVEMENT REMOVAL
- BRIDGE DECK SCARIFICATION
- APPROACH SLAB REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH
- GUARDRAIL REMOVAL



**EROSION CONTROL LEGEND**

- SF - PERIMETER EROSION BARRIER
- TDC - TEMPORARY DITCH CHECKS
- IF - INLET FILTERS
- IPP - INLET AND PIPE PROTECTION
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET



USER NAME - majid_mastali	DESIGNED - MM	REVISED -
DRAWN - MM	REVISIONS -	
PLOT SCALE - 20,000 * / in.	CHECKED - TC	REVISED -
PLOT DATE - 3/22/2023	DATE - 03/22/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
REMOVAL AND EROSION CONTROL PLAN**

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

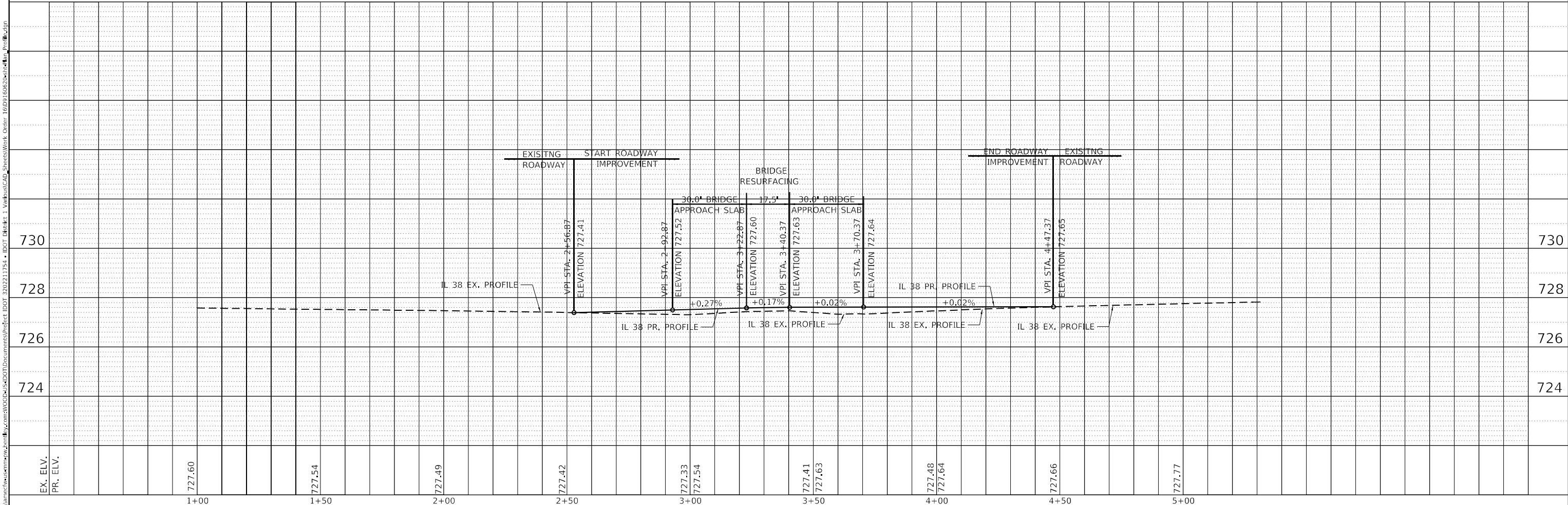
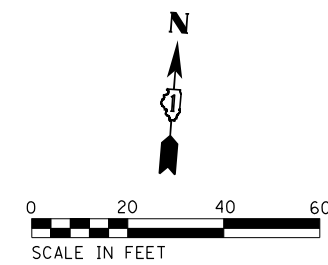
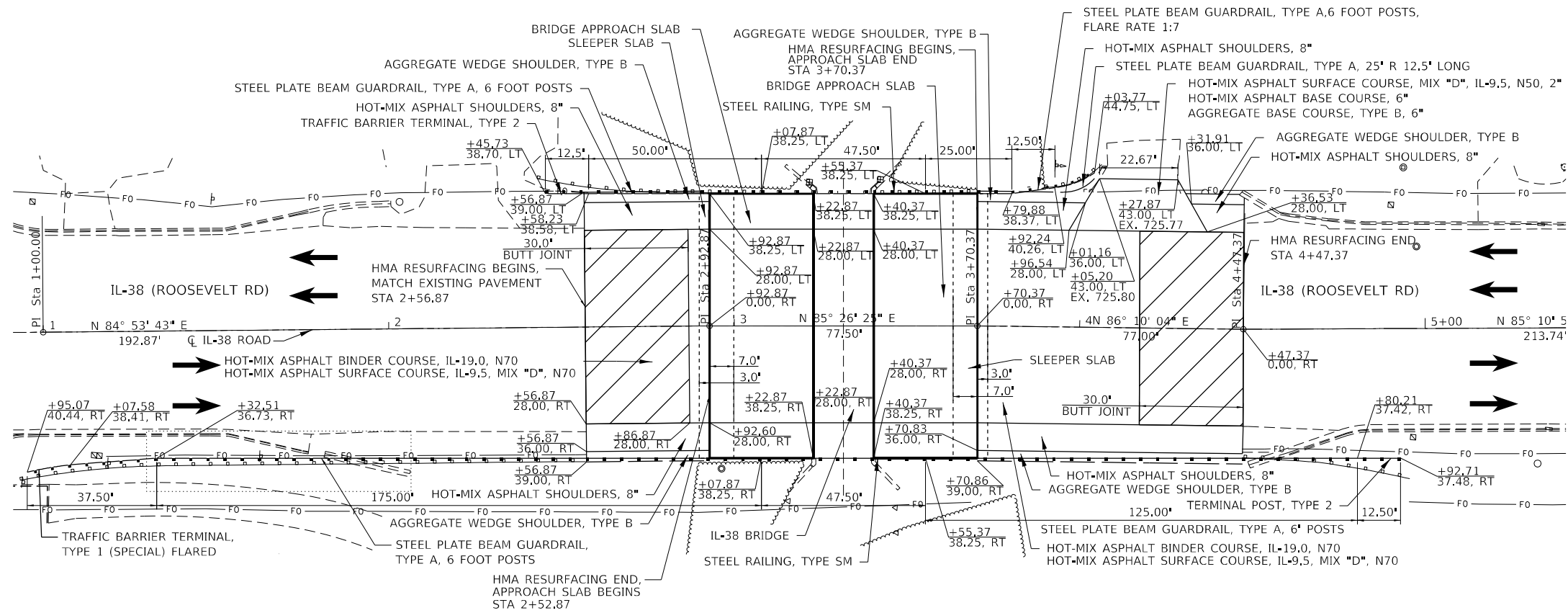
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	11
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

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	BY	
	NOTED	
	CHECKED	
	DATE	
	BY	

PROFILE	SURVEYED	DATE
	BY	
	NOTED	
	CHECKED	
	DATE	
	BY	

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USER NAME	maikl.mastal	DESIGNED	MM
PLOT SCALE	20,000 * / in.	DRAWN	MM
PLOT DATE	3/22/2023	CHECKED	TC
		DATE	3/22/2022

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
 ROADWAY PLAN AND PROFILE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	38	12
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				



**STAGING GENERAL NOTES**

1. ONE LANE OF TRAFFIC SHALL BE MAINTAINED IN EACH DIRECTION AT ALL TIMES. IL 38 TRAVEL LANE WIDTH SHALL BE A MINIMUM OF 10.5 FT.
2. EXISTING TRAFFIC SIGNALS SHALL REMAIN DURING CONSTRUCTION. SIGNAL TIMING AND SIGNAL HEAD LOCATIONS SHALL REMAIN THE SAME.
3. TEMPORARY PAVEMENT MARKINGS SHALL BE TAPE, TYPE IV.
4. EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED.
5. TEMPORARY BARRIER SHALL BE PLACED AT A MINIMUM DISTANCE OF 6 INCHES FROM DROP-OFF, PIN TEMPORARY BARRIER WHEN DROP-OFF IS BETWEEN 6 INCHES AND 2 FEET.
6. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE TRAFFIC CONTROL PLANS AT NO ADDITIONAL COST TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

**SEQUENCE OF CONSTRUCTION**

STAGE 1

1. NARROW TRAVEL LANES TO 10.5 FT AS SHOWN ON THE PLAN AND PLACE TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THE PLANS.
2. MAINTAIN ONE LANE IN EACH DIRECTION ALONG IL 38. SHIFT EASTBOUND AND WESTBOUND TRAFFIC ONTO OUTSIDE LANE AND CLOSE INSIDE LANE AS SHOWN ON PLANS. MAINTAIN ALL LEFT TURN MOVEMENTS AT THE INTERSECTION EAST AND WEST OF THE BRIDGE.
3. PROCEED WITH WORK ALONG THE MIDDLE SECTION OF THE BRIDGE.
4. REMOVE AND REPLACE THE MIDDLE SECTION OF THE APPROACH ALONG WITH EXISTING PAVEMENT AT BOTH ENDS TO ACCOMADATE THE PROPOSED 30 FT SLAB.
5. PERFORM HMA SURFACE REMOVAL-BUT JOINT TO TIE EXISTING PAVEMENT TO THE END OF THE APPROACH SLABS.

STAGE 2

1. MAINTAIN ONE LANE IN EACH DIRECTION ALONG IL 38 BY SHIFTING EASTBOUND AND WESTBOUND TRAFFIC ONTO INSIDE LANE AND CLOSE OUTSIDE LANE AS SHOWN ON PLANS. MAINTAIN ALL LEFT TURN MOVEMENTS AT THE INTERSECTION EAST AND WEST OF THE BRIDGE
2. PROCEED WITH WORK ON THE NORTH AND SOUTH SECTION OF THE BRIDGE.
3. REMOVE AND REPLACE THE OUTSIDE SECTIONS OF THE APPROACH ALONG WITH EXISTING PAVEMENT AT BOTH ENDS TO ACCOMADATE THE PROPOSED 30 FT SLAB.
4. CONSTRUCT THE PROPOSED HMA AND AGGREGATE WEDGE SHOULDERS ALONG BOTH SIDES OF THE ROADWAY.
5. REMOVE AND REPLACE THE EXISTING GUARDRAIL AND BRIDGE RAILING.
6. PERFORM HMA SURFACE REMOVAL-BUT JOINT TO TIE EXISTING PAVEMENT TO THE END OF THE APPROACH SLABS.

STAGE 3

1. REMOVE TEMPOARY PAVEMENT MARKINGS, AND TEMPORARY CONCRETE BARRIER.
2. MILL AND RESURFACE PAVEMENT, INSTALL PERMANENT MARKINGS, AND LANDSCAPING PER PLANS.

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FILE NAME: 21115



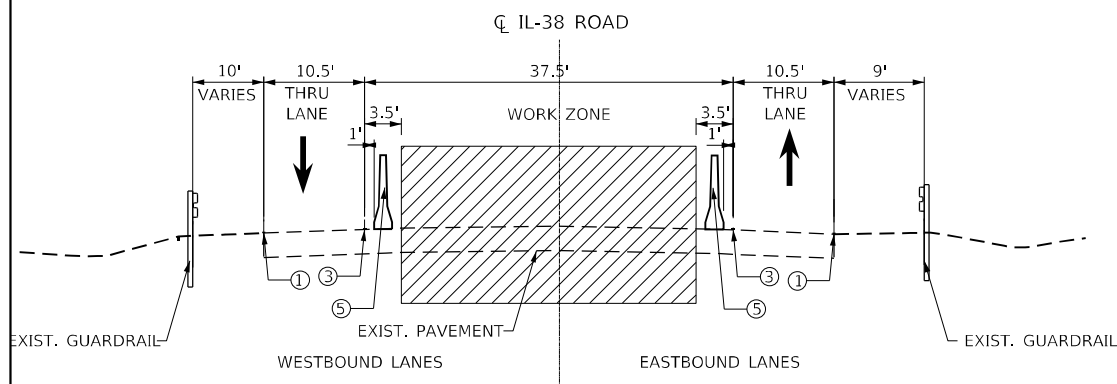
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

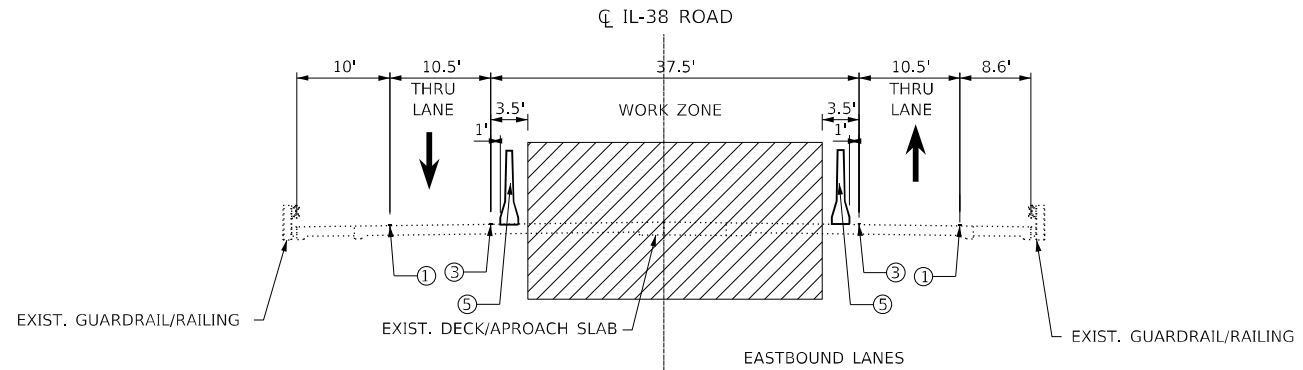
**IL 38 OVER WINFIELD CREEK  
TRAFFIC CONTROL GENERAL NOTES / SEQUENCE OF CONSTRUCTION**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	13
			CONTRACT NO. 62T16	
		ILLINOIS	FED. AID PROJECT	



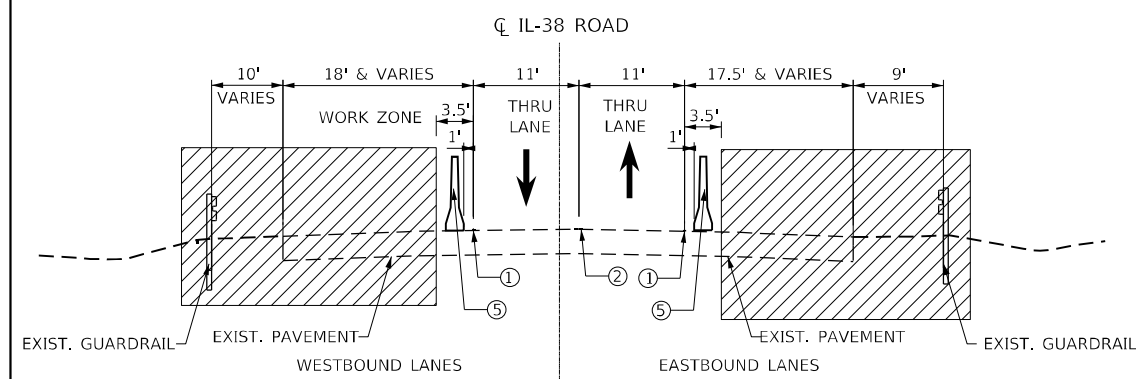
**MAINTENANCE OF TRAFFIC  
STAGE 1  
IL ROUTE 38  
INSIDE LANES CONSTRUCTION  
LOOKING EAST**  
STA 2+52.87 TO STA 2+92.87  
STA 3+70.37 TO STA 4+47.37



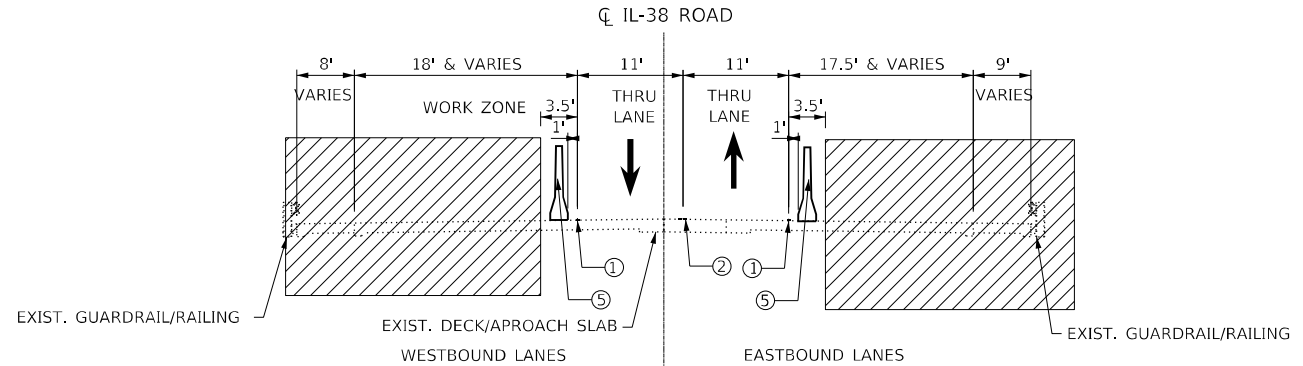
**MAINTENANCE OF TRAFFIC  
STAGE 1  
IL ROUTE 38  
INSIDE LANES CONSTRUCTION  
LOOKING EAST**  
STA 2+92.87 TO STA 3+70.37

**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE DOUBLE YELLOW
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE YELLOW
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SKIP-DASH
- ⑤ TEMPORARY CONCRETE BARRIER



**MAINTENANCE OF TRAFFIC  
STAGE 2  
IL ROUTE 38  
INSIDE LANES CONSTRUCTION  
LOOKING EAST**  
STA 2+52.87 TO STA 2+92.87  
STA 3+70.37 TO STA 4+47.37



**MAINTENANCE OF TRAFFIC  
STAGE 2  
IL ROUTE 38  
INSIDE LANES CONSTRUCTION  
LOOKING EAST**  
STA 2+92.87 TO STA 3+70.37

MODEL NUMBER: N/A  
FILE NAME: ST1115



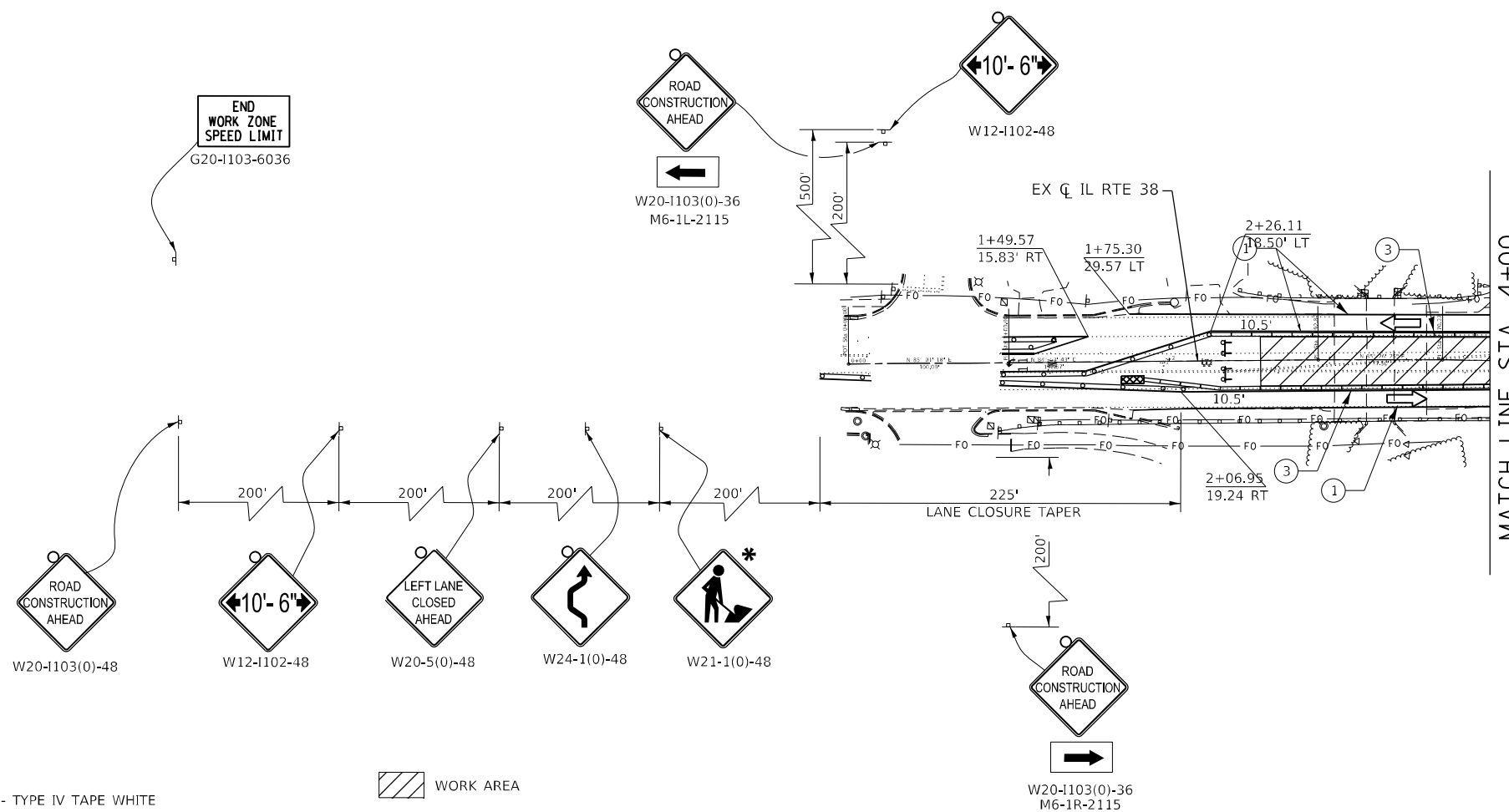
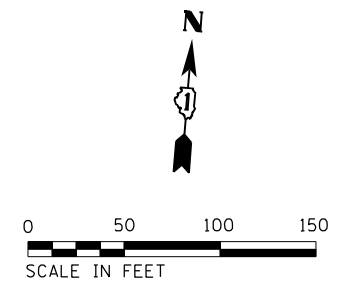
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	14
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE DOUBLE YELLOW
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE YELLOW
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SKIP-DASH
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SOLID DOTTED LINE
- ⌋ CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT

- WORK AREA
- DRUM AT 50' C-C ALONG TANGENTS AND 20' C-C ALONG TAPERS
- TYPE III BARRICADES WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR

\* THIS SIGN SHALL BE TAKEN DOWN WHEN NO WORKERS ARE PRESENT

MODEL NUMBER/NAME  
FILE NAME: SHEETS



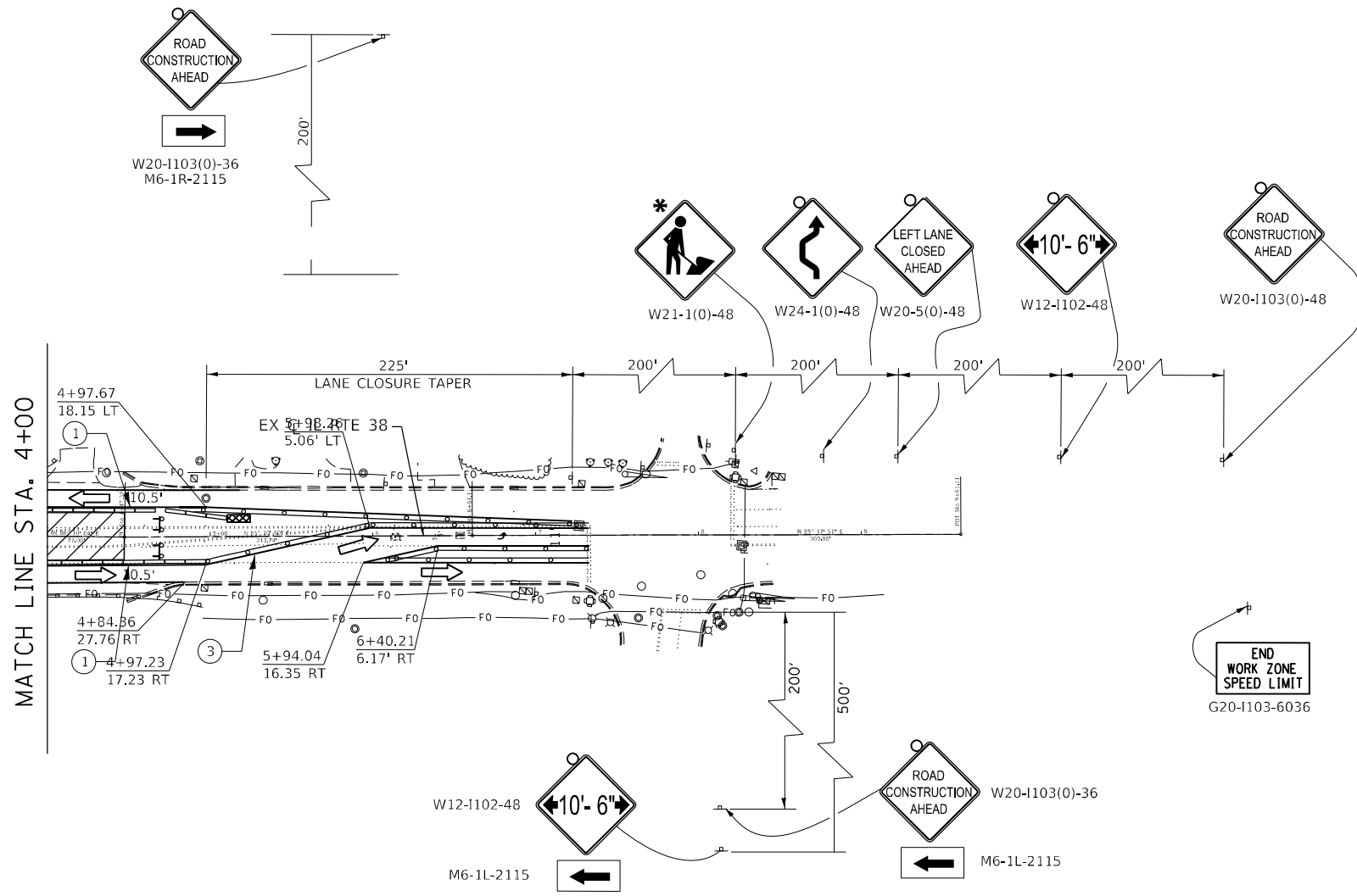
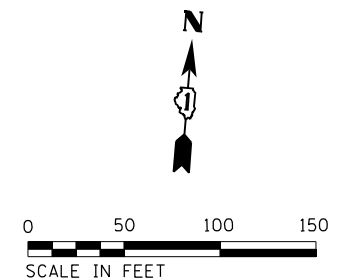
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
STAGING AND TRAFFIC CONTROL PLAN (STAGE I)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T16	



\* THIS SIGN SHALL BE TAKEN DOWN WHEN NO WORKERS ARE PRESENT

**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE DOUBLE YELLOW
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE YELLOW
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SKIP-DASH
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SOLID DOTTED LINE
- ⊥ CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ▨ WORK AREA
- DRUM AT 50' C-C ALONG TANGENTS AND 20' C-C ALONG TAPERS
- ⊥ TYPE III BARRICADES WITH FLASHING LIGHTS
- ➡ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ▩ TEMPORARY IMPACT ATTENUATOR

MODEL NUMBER NAMES  
FILE NUMBER PREFIX



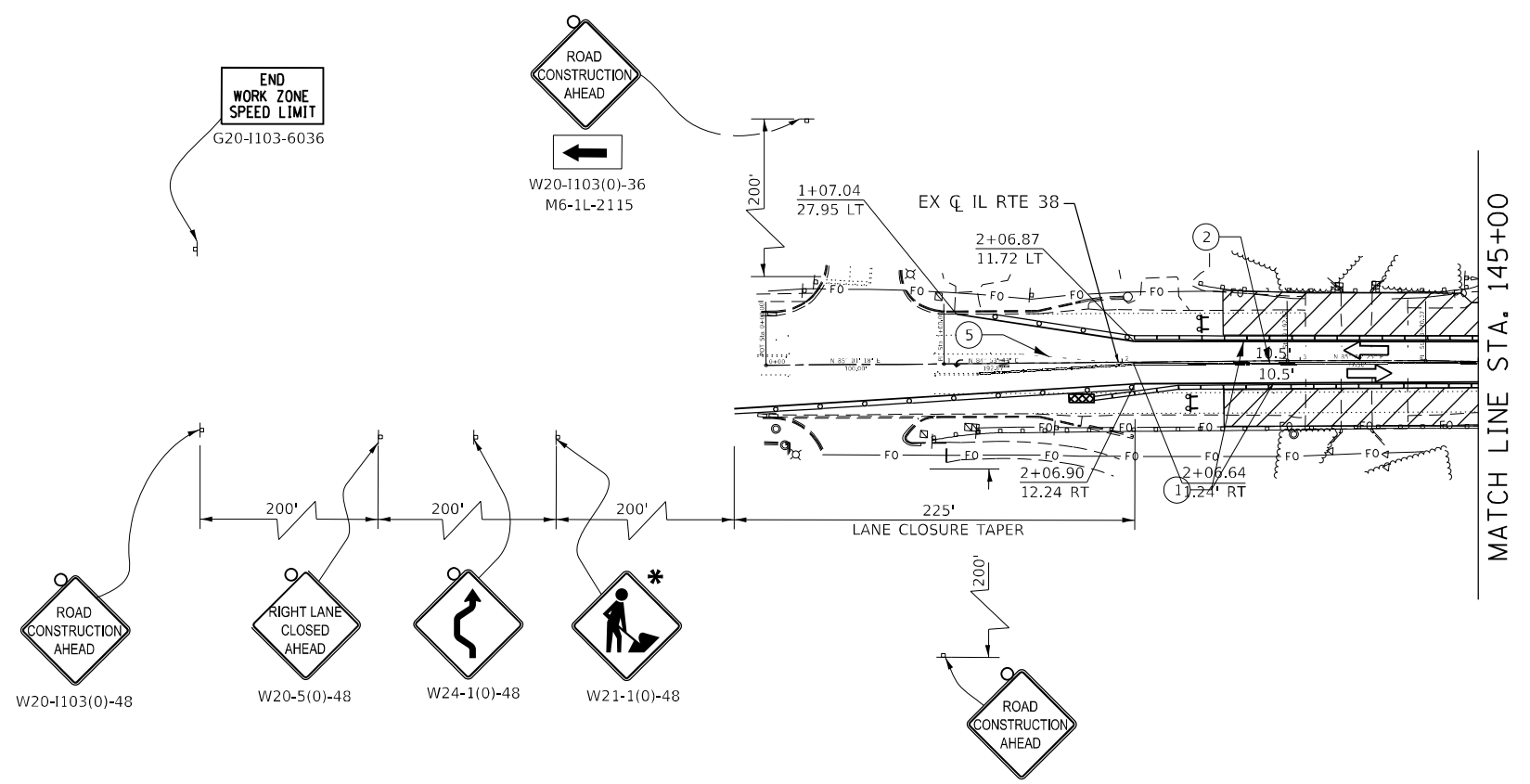
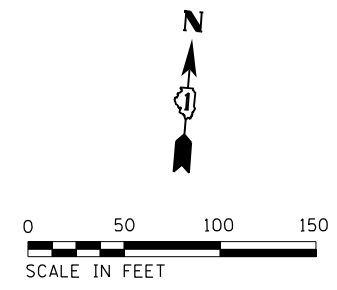
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
STAGING AND TRAFFIC CONTROL PLAN (STAGE I)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T16	



**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE DOUBLE YELLOW
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE YELLOW
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SKIP-DASH
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SOLID DOTTED LINE
- ⊥ CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT

- WORK AREA
- DRUM AT 50' C-C ALONG TANGENTS AND 20' C-C ALONG TAPERS
- TYPE III BARRICADES WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR

\* THIS SIGN SHALL BE TAKEN DOWN WHEN NO WORKERS ARE PRESENT

MODEL NUMBER: N/A  
FILE NAME: ST115



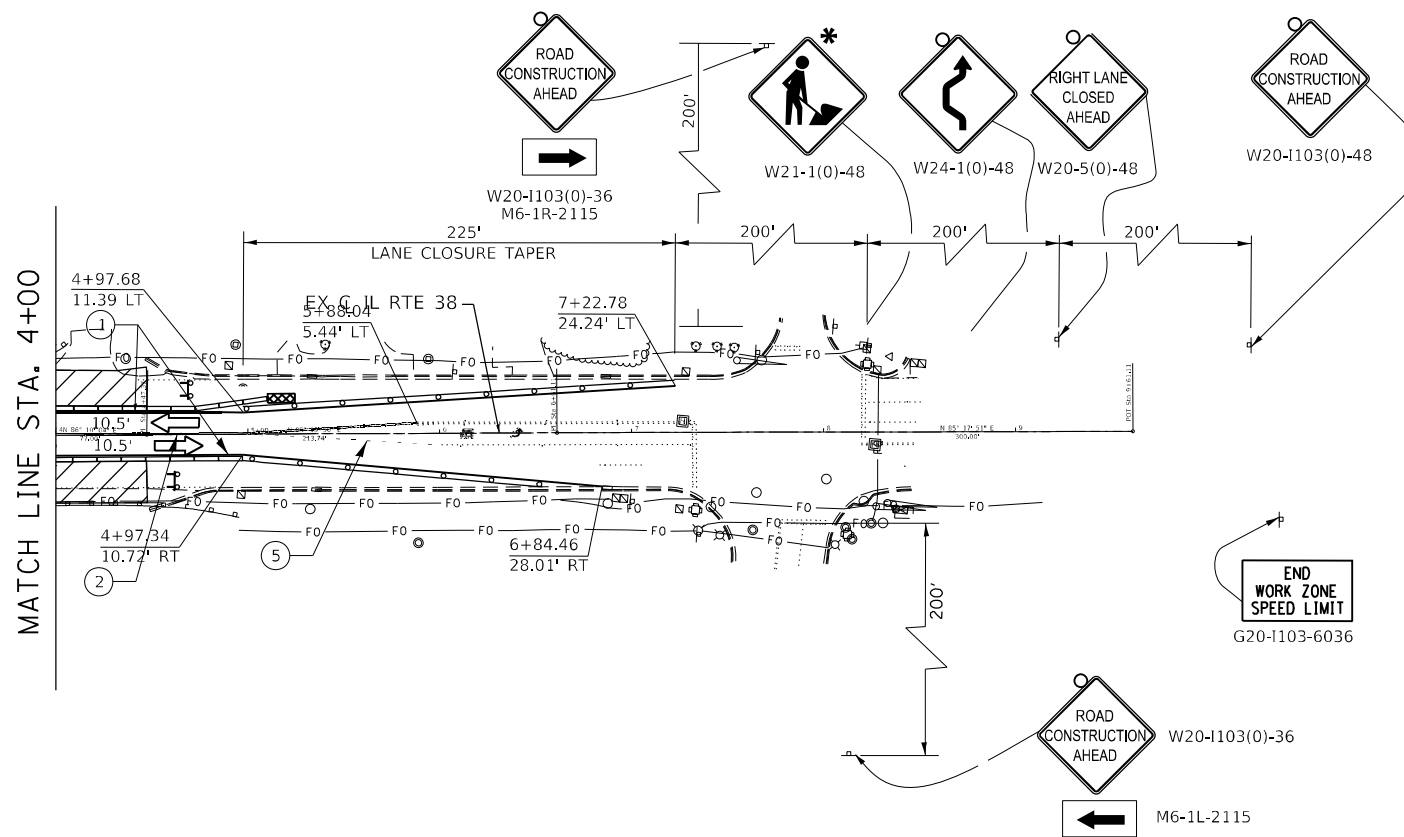
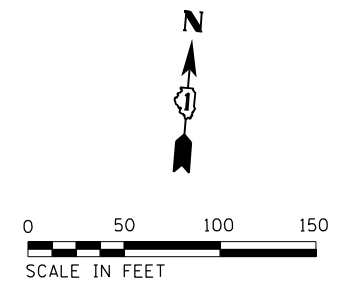
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
STAGING AND TRAFFIC CONTROL PLAN (STAGE II)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T16	



\* THIS SIGN SHALL BE TAKEN DOWN WHEN NO WORKERS ARE PRESENT

**LEGEND**

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE DOUBLE YELLOW
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE YELLOW
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SKIP-DASH
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE SOLID DOTTED LINE
- ⊥ CONSTRUCTION SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ▨ WORK AREA
- DRUM AT 50' C-C ALONG TANGENTS AND 20' C-C ALONG TAPERS
- ⊥ TYPE III BARRICADES WITH FLASHING LIGHTS
- ➔ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ▨ TEMPORARY IMPACT ATTENUATOR

MODEL NUMBER: WSP  
FILE NAME: ST115



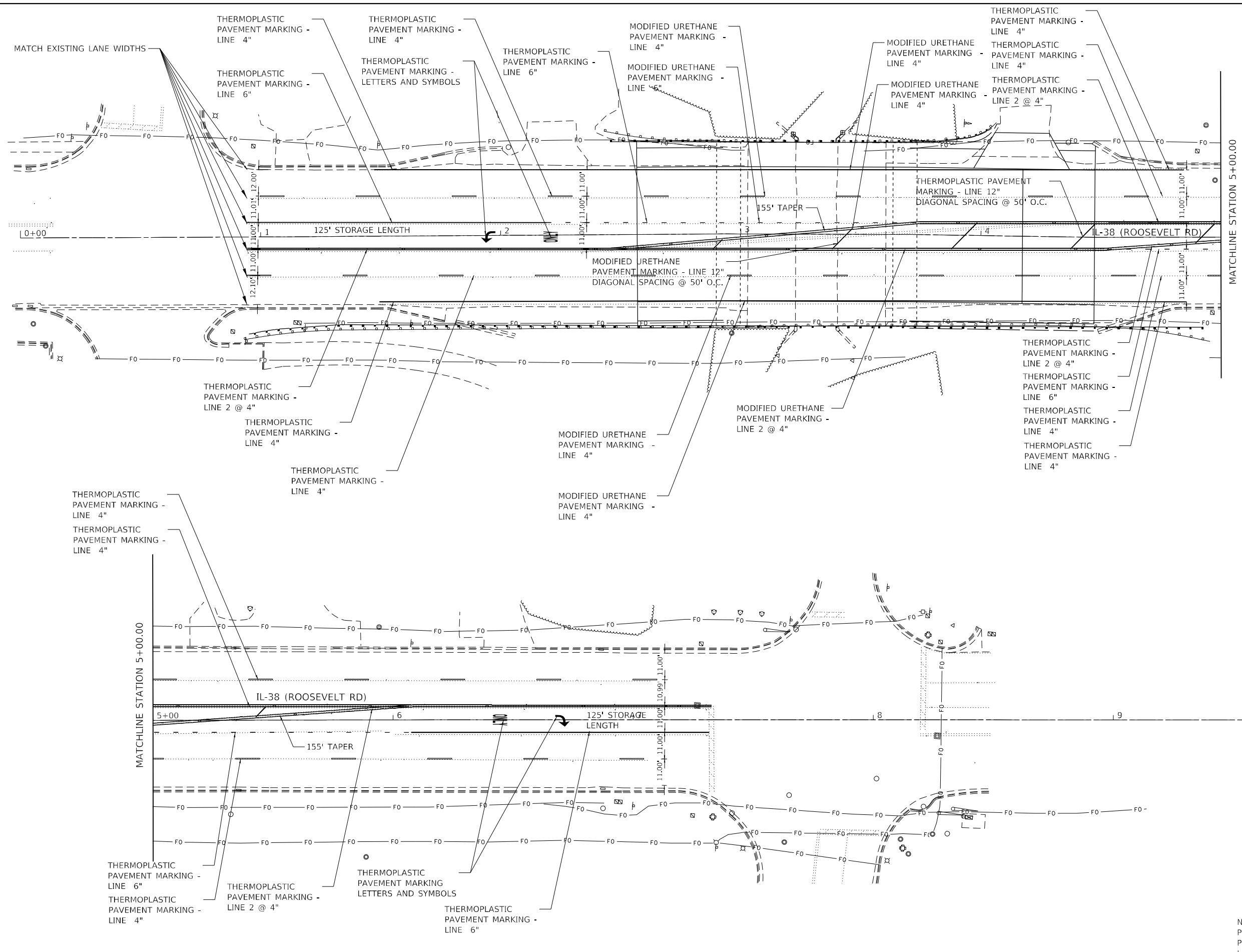
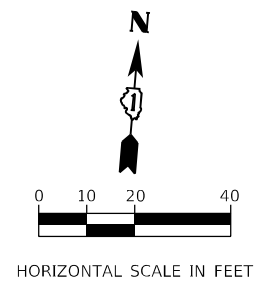
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
STAGING AND TRAFFIC CONTROL PLAN (STAGE II)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	18
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				



NOTE: MODIFIED URETHANE PAVEMENT MARKINGS TO BE PLACED ON BRIDGE DECK AND ABUTMENTS AS SHOWN ON PLAN. THERMOPLASTIC TO BE USED IN ALL OTHER LOCATIONS.

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	DATE - 03/22/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
PAVEMENT MARKINGS**

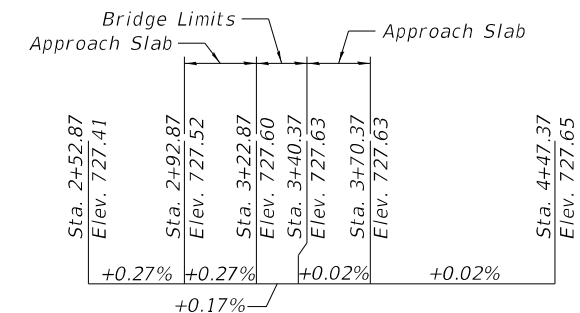
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	19
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

Benchmark: BM1-Square cut in top of abutment in Southeast part of bridge over Winfield Creek. Elevation 727.08

Existing Structure: Structure No. 022-2009 was originally constructed in 1980 as a single span structure. In 1992 the structure was widened to the current width. The structure consists of a single span measuring 17'-6" from back-to-back abutments with an out-to-out width of 76'-6". The bridge carries two eastbound and two westbound lanes for IL-38 along with a shoulder in each direction and a median. The superstructure consists of a concrete deck slab that varies from 12" to 16" deep. The substructure consists of closed abutments on spread footings.

Traffic to be maintained utilizing staged construction.



PROFILE GRADE

**INDEX OF SHEETS**

- S-1. GP&E
- S-2. General Notes and BOM
- S-3. Stage Construction Details
- S-4. Temporary Support System
- S-5. Abutment and Wingwall Repairs
- S-6. Deck Repair Plan
- S-7. Optional Deck Repair Details
- S-8. Approach Slab Removal
- S-9. Bridge Approach Slab Details
- S-10. Bridge Approach Slab Details
- S-11. Bridge Railings

**DESIGN STRESSES**

**FIELD UNITS**

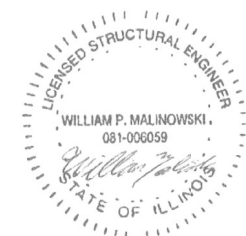
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- $f'c = 4,000$  psi (Proposed)
- $f_y = 60,000$  psi (Reinforcement)
- $f_y = 50,000$  psi (M270 Grade 50)

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications, 17th Edition

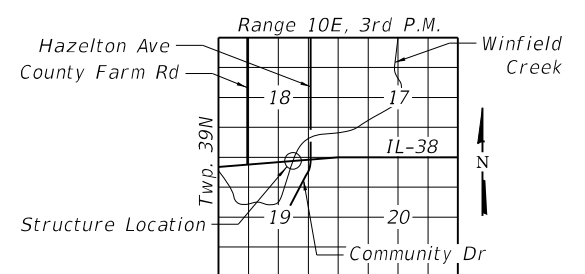
**LOADING HS 20-44**

No future wearing surface allowed.



3/22/2023

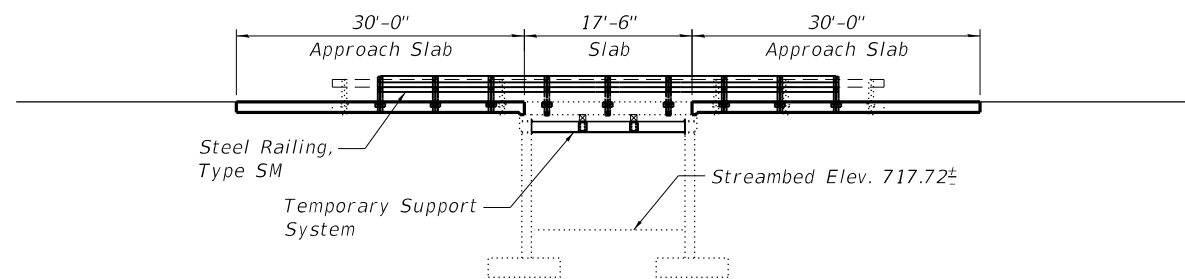
WILLIAM P. MALINOWSKI  
 Illinois Registered Engineer No. 081-006059  
 Registration Expires Nov. 30, 2024



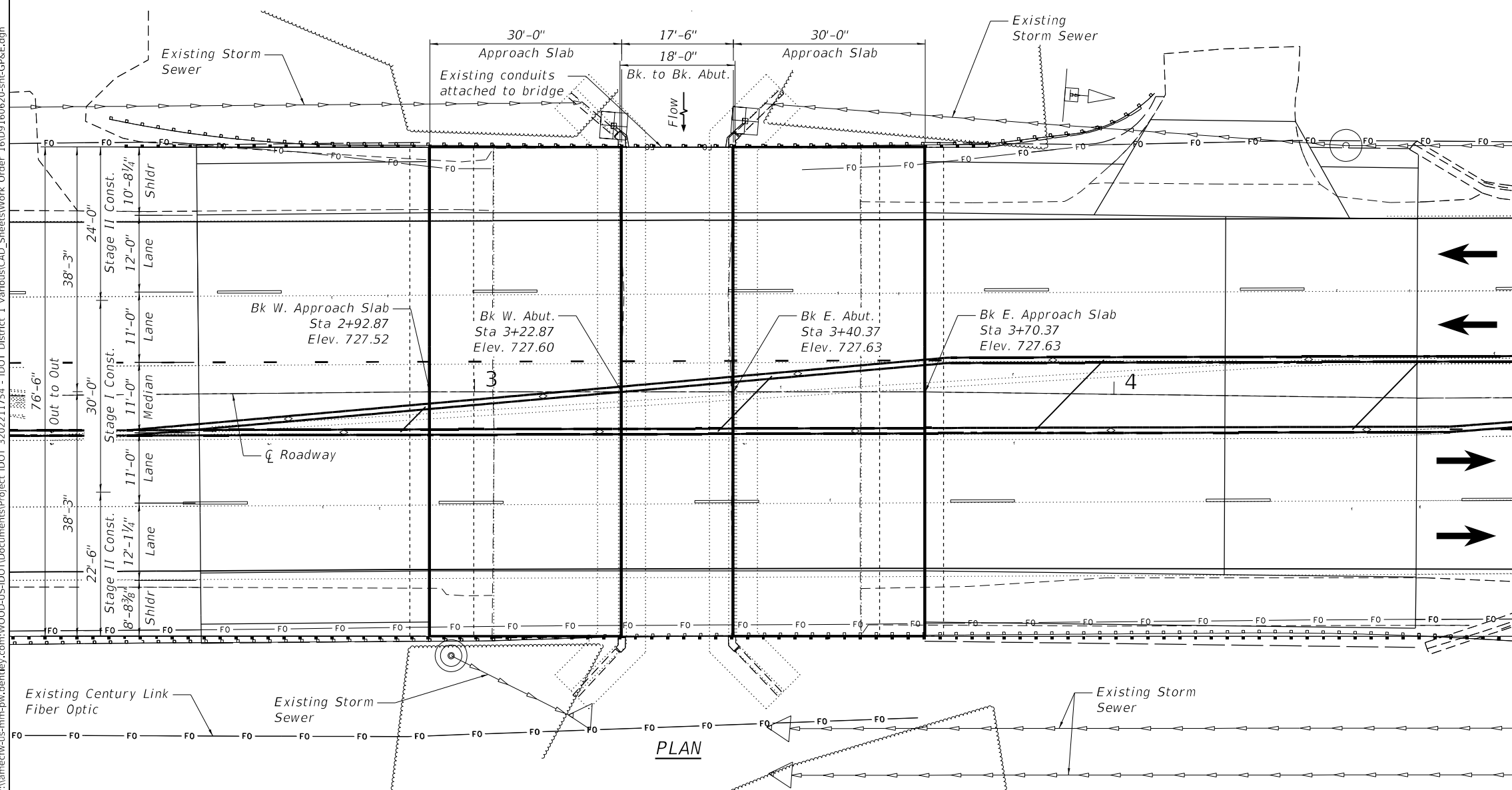
LOCATION SKETCH

**GENERAL PLAN AND ELEVATION**  
**IL RTE. 38 OVER WINFIELD CREEK**  
**F.A.P. RTE. 347 SEC. FAP 0347 22 BJ2**

**DUPAGE COUNTY**  
**STATION 3+31.62**  
**S.N. 022-2009**



ELEVATION



PLAN



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

**IL 38 OVER WINFIELD CREEK**  
**GENERAL PLAN AND ELEVATION**

SHEET S-1 OF S-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	20
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
3. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
4. The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
5. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Deck Slab Repair (Full Depth, Type II).
6. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Deck Slab Repair (Full Depth, Type II)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd.	-	48	48
Bridge Deck Grooving	Sq. Yd.	659	-	659
Protective Coat	Sq. Yd.	659	-	659
Concrete Superstructure (Approach Slab)	Cu. Yd.	213	-	213
Reinforcement Bars, Epoxy Coated	Pound	69,099	5,992	72,091
Steel Railing, Type SM	Foot	155	-	155
Approach Slab Removal	Sq. Yd.	340	-	340
Bridge Deck Latex Concrete Overlay, 2 1/2"	Sq. Yd.	149	-	149
Bridge Deck Scarification, 3/4"	Sq. Yd.	149	-	149
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	-	18	18
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	36	-	36
Deck Slab Repair (Partial)	Sq. Yd.	10	-	10
Temporary Support System	L. Sum	0.5	0.5	1

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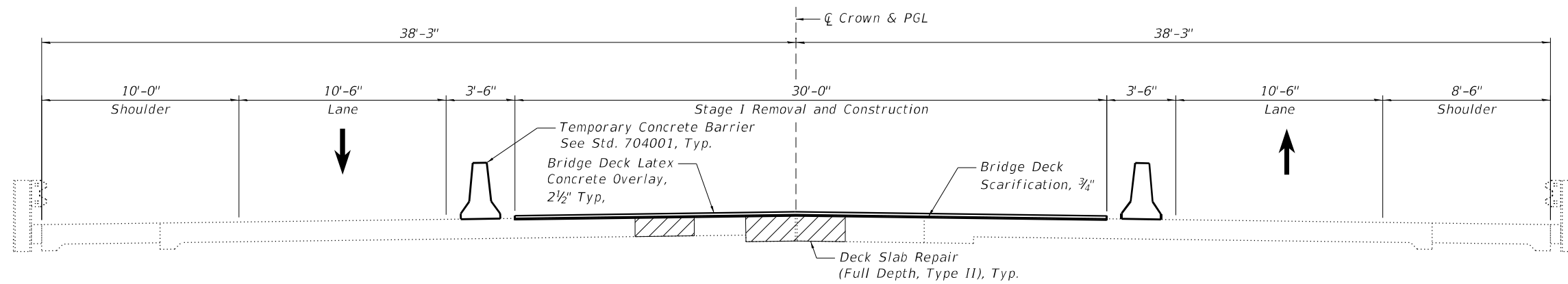
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
GENERAL NOTES AND BILL OF MATERIAL**

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			CONTRACT NO. 62T16	
		ILLINOIS	FED. AID PROJECT	

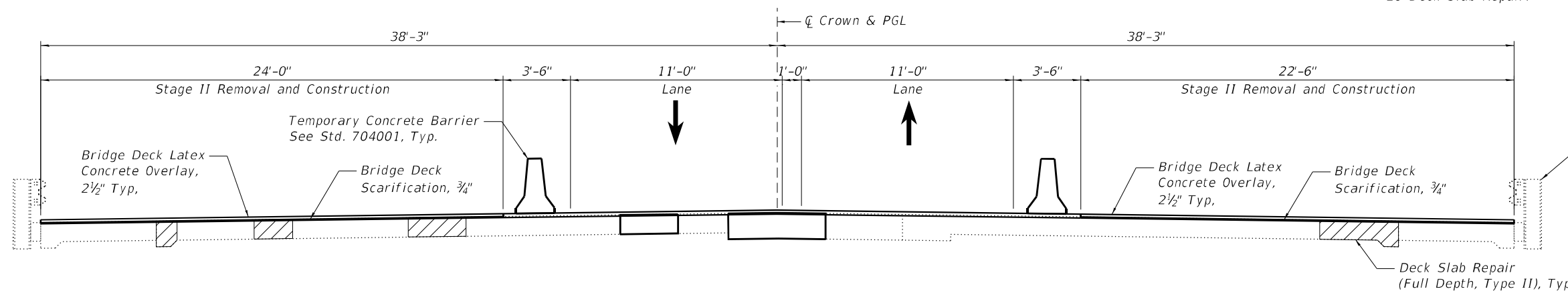
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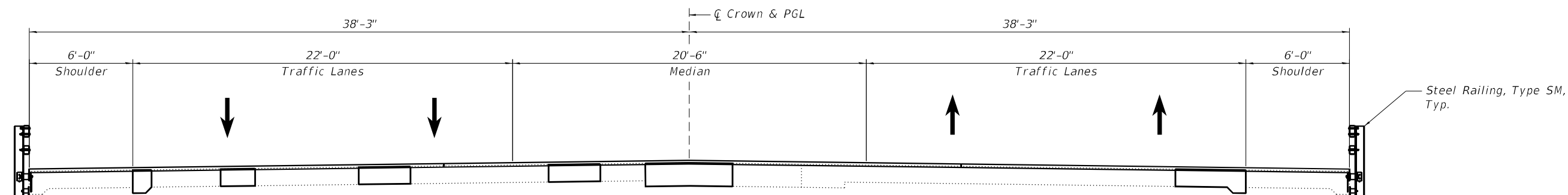


**CROSS SECTION - STAGE I**  
Looking East

- Notes:
- Per the IDOT Structural Services Manual Article 2.4.4, the partial and full depth Deck Slab Repairs shall be complete before the scarification of the deck and overlay is placed.
  - Deck Slab Repair (Full Depth, Type III) and Deck Slab Repair (Partial) shall be in accordance with IDOT GBSP 28 Deck Slab Repair.



**CROSS SECTION - STAGE II**  
Looking East



**CROSS SECTION - FINAL**  
Looking East



USER NAME =	DESIGNED - BJD	REVISED -
	CHECKED - RAO	REVISED -
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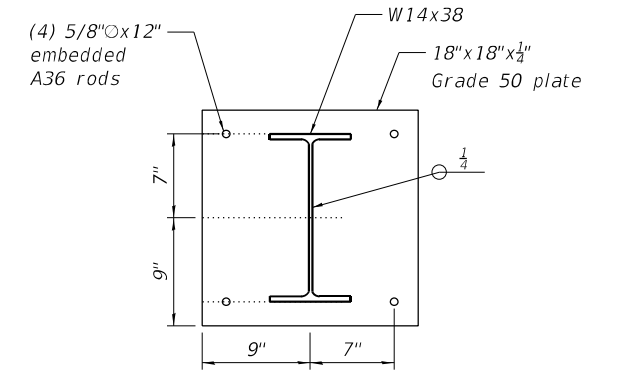
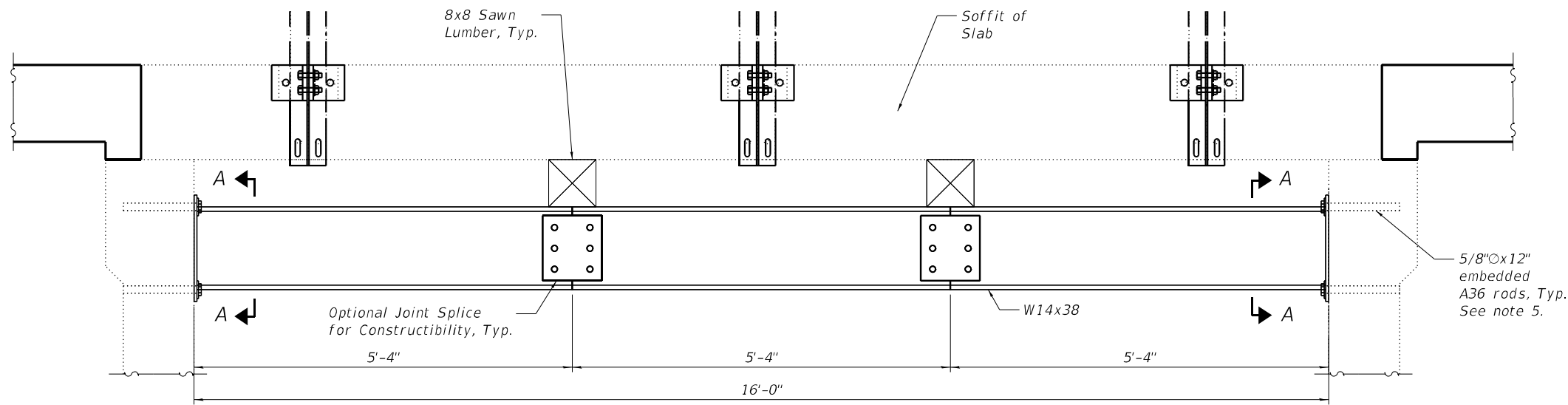
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
CONSTRUCTION STAGING**

SHEET S-3 OF S-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	22
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

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Section A-A

**ELEVATION**  
 Space Beams @ 4'-0" OC.

- Notes:
1. The Temporary Support System shall be installed prior to any removal of the concrete deck slab and approach slab.
  2. Work this sheet with sheets S-5, S-6, & S-7.
  3. See Special Provision for Temporary Support System.
  4. Alternative Temporary Support System can be submitted by the Contractor and sealed by a licensed Structural Engineer in the State of Illinois for approval by the Engineer.
  5. No permanent structures can be installed in the creek.
  6. Core and set anchor rod according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations.



USER NAME =	DESIGNED - BJD	REVISED -
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PLOT DATE =	CHECKED - MGH	REVISED -

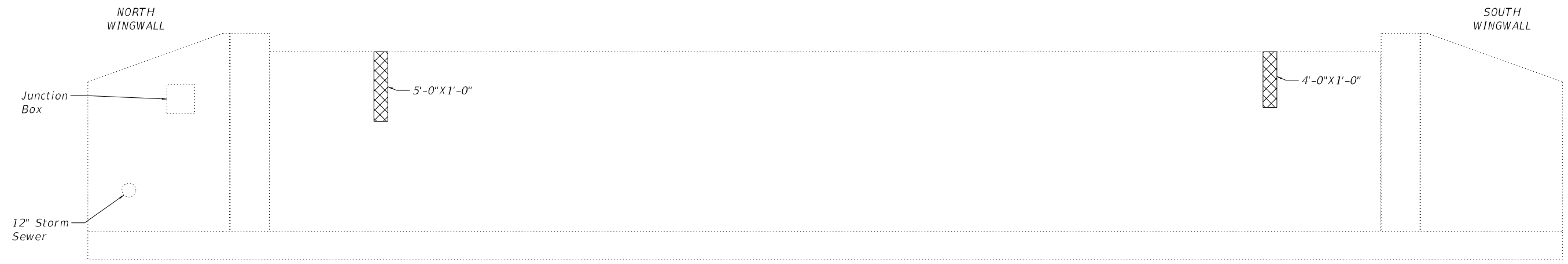
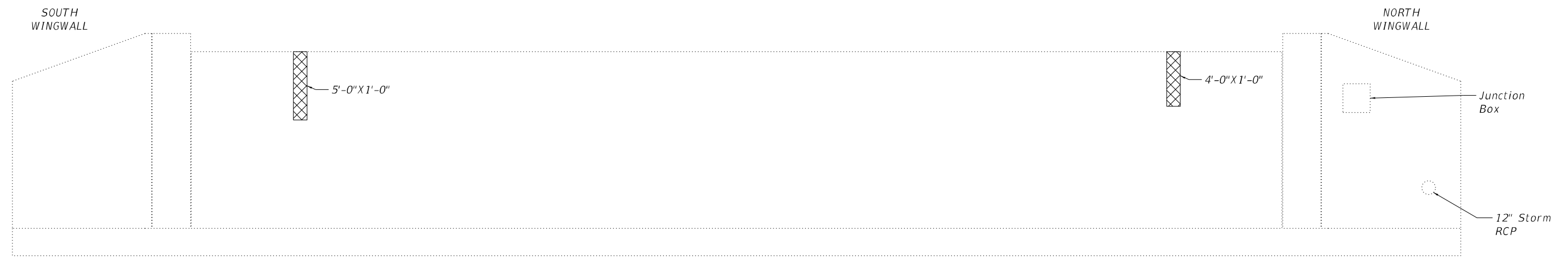
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK**  
**TEMPORARY SUPPORT SYSTEM**

SHEET S-4 OF S-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	23
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				


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**BILL OF MATERIAL**

Item	Unit	Quantity
Structural Repair of Concrete Less than 5 Inches	Sq.Ft.	18

**LEGEND**

 Structural Repair of Concrete less than 5 inches



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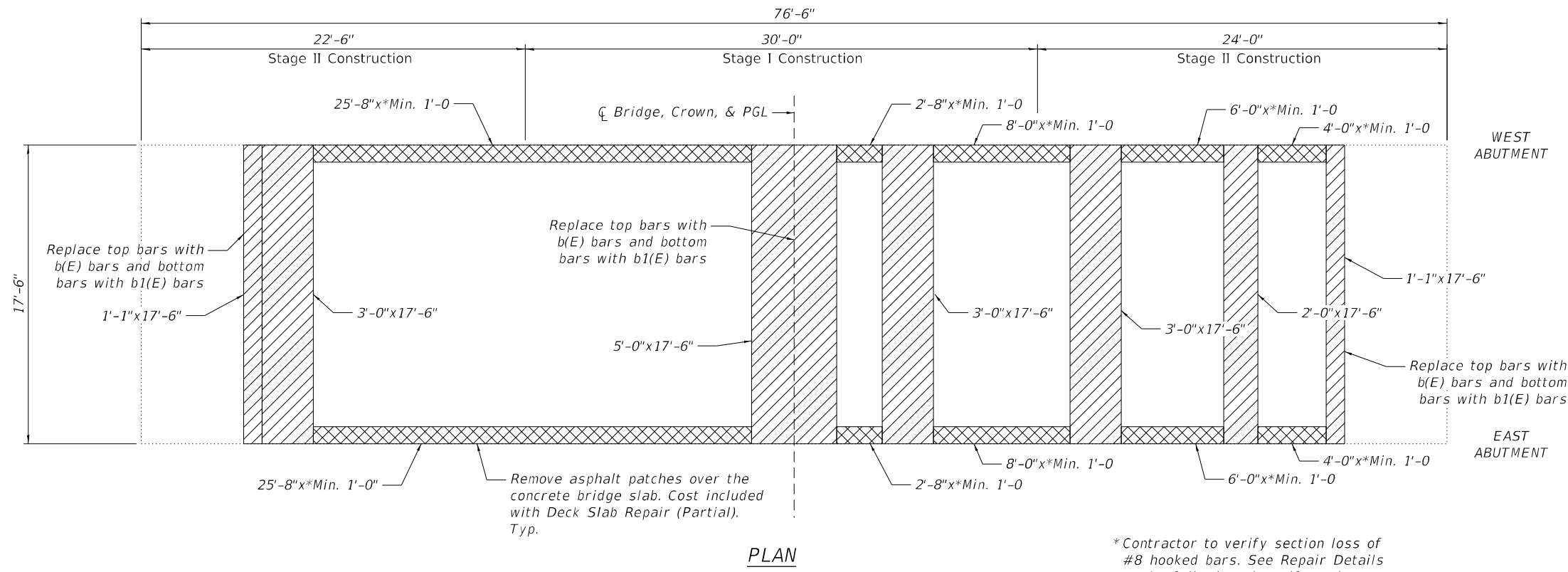
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK**  
**ABUTMENT AND WINGWALL REPAIRS**

SHEET S-5 OF S-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

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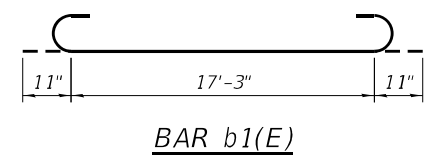
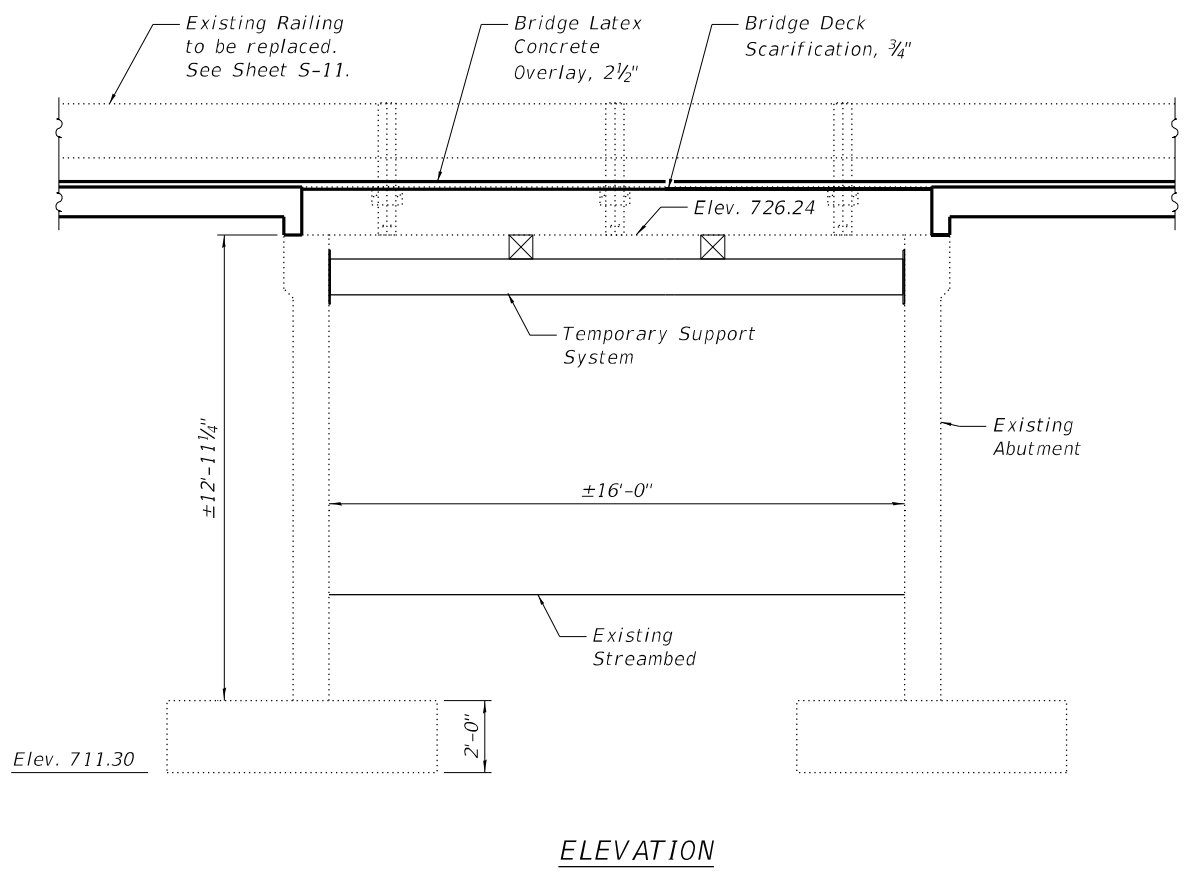
**LEGEND**

	Deck Slab Repair (Partial)
	Deck Slab Repair (Full Depth, Type II)

\*Contractor to verify section loss of #8 hooked bars. See Repair Details on the following sheet if section loss exceeds 50%.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b(E)	8	#5	17'-2"	—
b1(E)	8	#8	19'-1"	⌋
Bridge Deck Grooving			Sq. Yd.	149
Protective Coat			Sq. Yd.	149
Reinforcement Bars, Epoxy Coated			Pound	551
Bridge Deck Latex Concrete Overlay, 2 1/2"			Sq. Yd.	149
Bridge Deck Scarification, 3/4"			Sq. Yd.	149
Deck Slab Repair (Full Depth, Type II)			Sq. Yd.	36
Deck Slab Repair (Partial)			Sq. Yd.	10



- Notes:
1. Work this sheet with sheets S-4 and S-7.
  2. Per the IDOT Structural Services Manual Article 2.4.4 the partial and full deck Deck Slab Repairs must be complete before the scarification of the deck and overlay is placed.
  3. Contractor shall collect and remove the debris to prevent it from falling into the creek.



USER NAME =	DESIGNED - BJD	REVISED -
PLOT SCALE =	CHECKED - RAO	REVISED -
PLOT DATE =	DRAWN - GM	REVISED -
	CHECKED - MGH	REVISED -

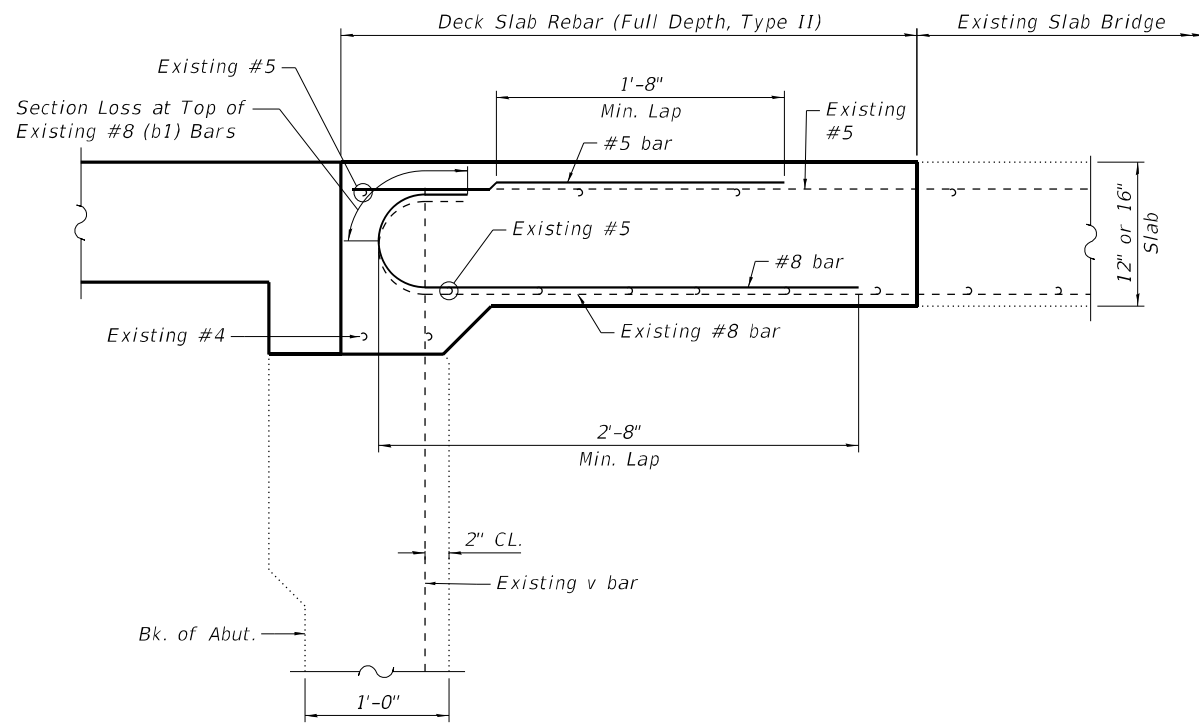
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK**  
**DECK REPAIR PLAN**

SHEET S-6 OF S-11 SHEETS

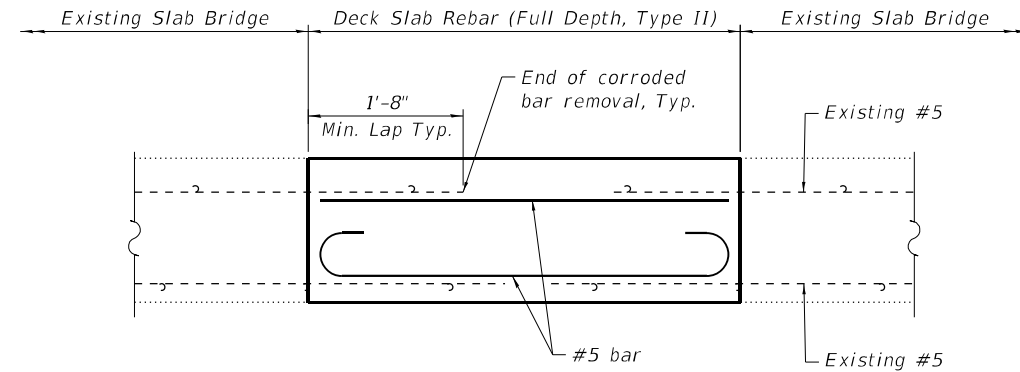
F.A.P. RTE. 347	SECTION FAP 0347 22 BJ2	COUNTY DUPAGE	TOTAL SHEETS 39	SHEET NO. 25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T16	

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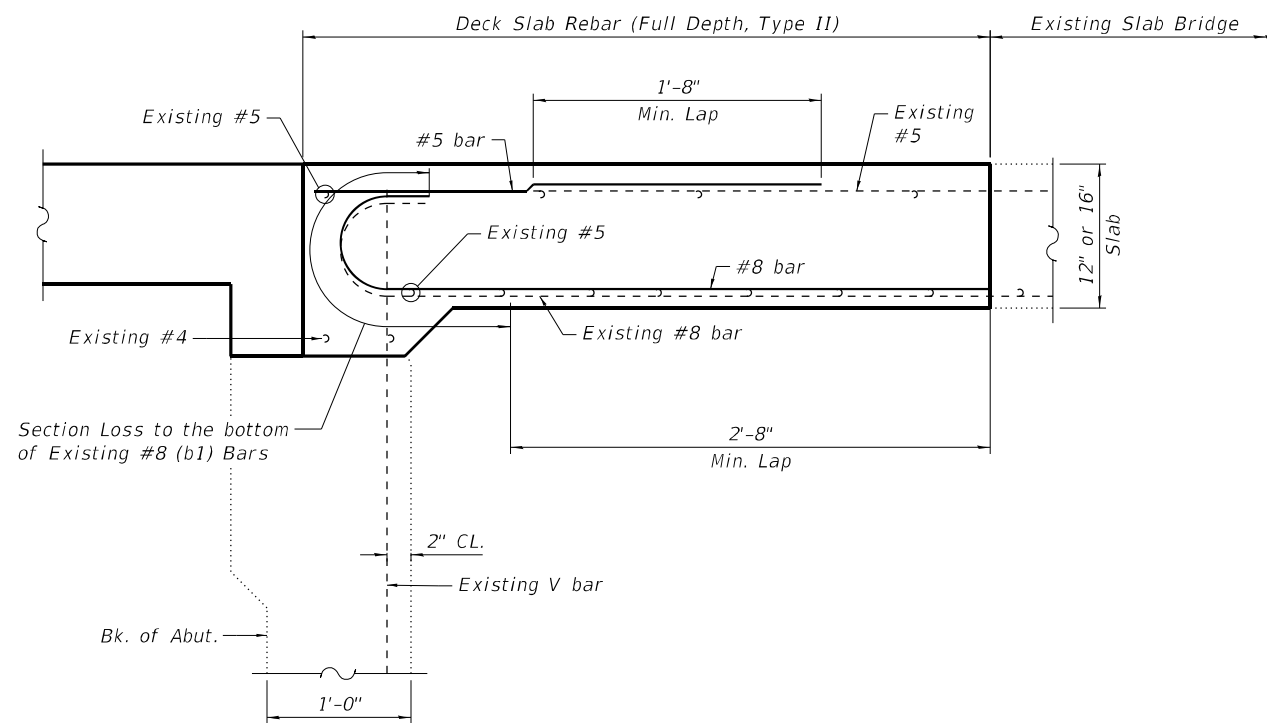
**RECOMMENDED REPAIR OVER ABUTMENT - 1**

May be used when section loss is 25% or greater at the top of the hook of Existing #8 bar.



**RECOMMENDED REPAIR FOR TRANSVERSE SECTION**

May be used when section loss is 25% or greater of the existing transverse bars.



**RECOMMENDED REPAIR OVER ABUTMENT - 2**

May be used when section loss is 25% or greater at the bottom of Existing #8 bar.

- Notes:  
 1. Refer to Special Provision for Deck Slab Repair.  
 2. Work this sheet with sheets S-4 and S-6.



USER NAME =	DESIGNED - BJD	REVISED -
	CHECKED - RAO	REVISED -
PLOT SCALE =	DRAWN - GM	REVISED -
PLOT DATE =	CHECKED - MGH	REVISED -

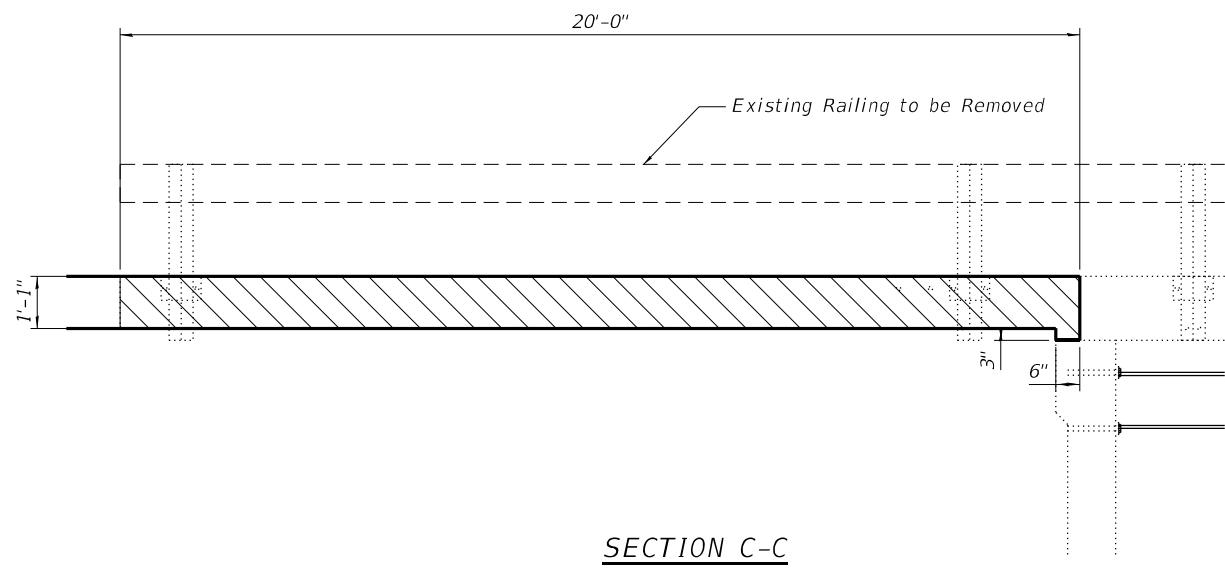
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
 OPTIONAL DECK REPAIR DETAILS**

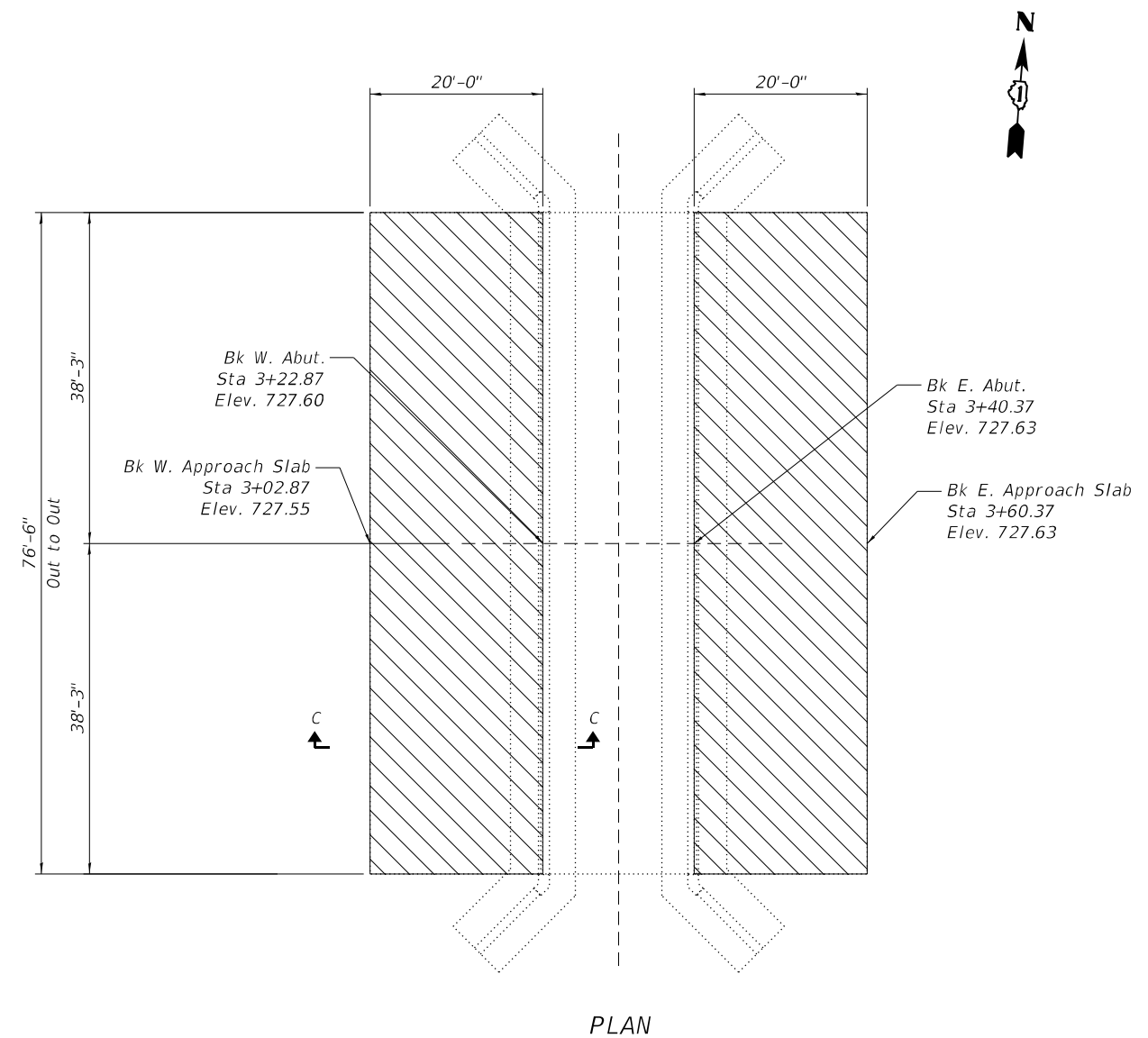
SHEET S-7 OF S-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

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SECTION C-C



PLAN

LEGEND

Approach Slab Removal



USER NAME =	DESIGNED - BJBJD	REVISED -
	CHECKED - BJIRAO	REVISED -
PLOT SCALE =	DRAWN - MGBM	REVISED -
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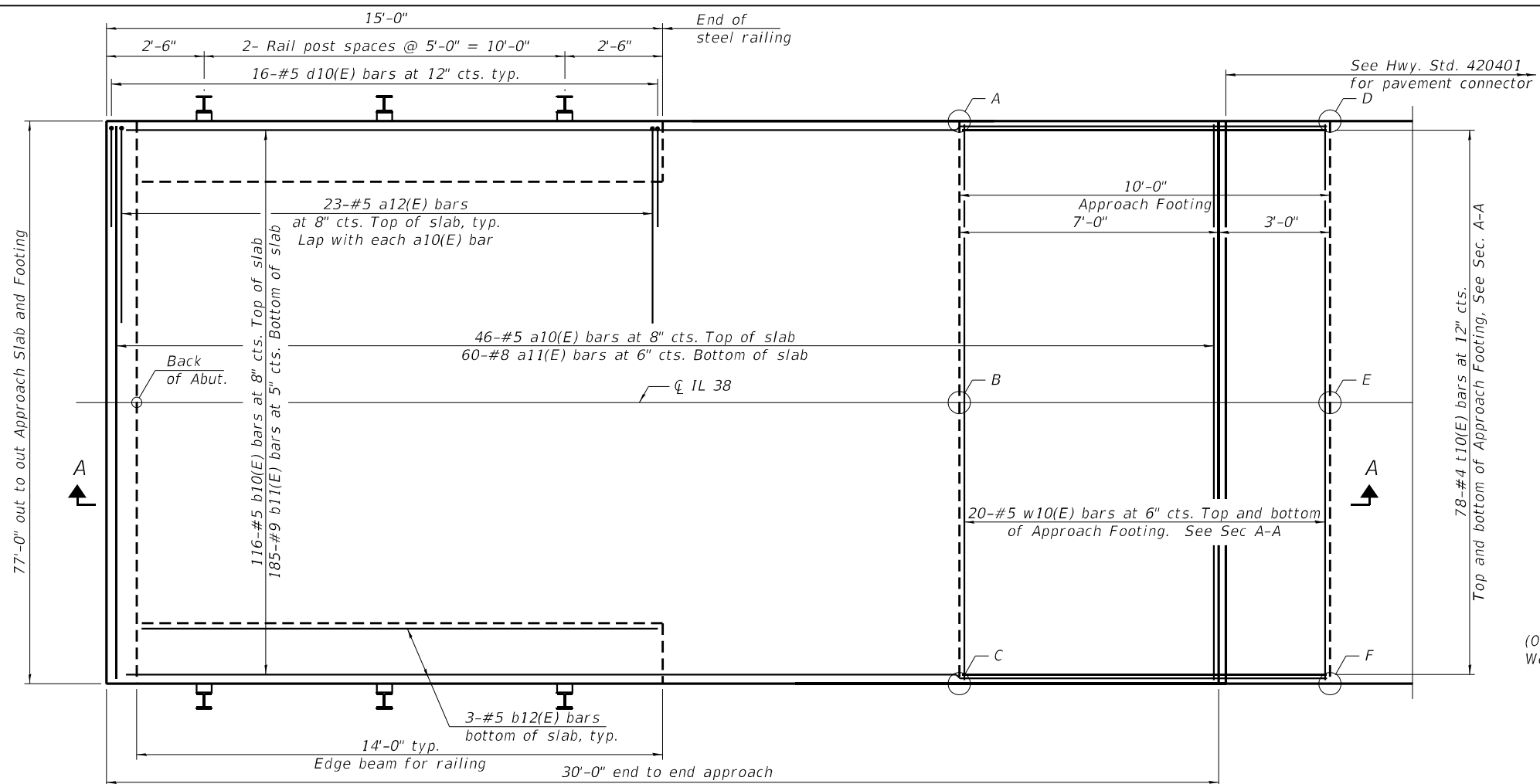
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
 APPROACH SLAB REMOVAL**

SHEET S-8 OF S-11 SHEETS

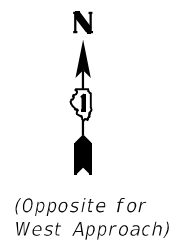
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CONTRACT NO. 62T16				
		ILLINOIS	FED. AID PROJECT	

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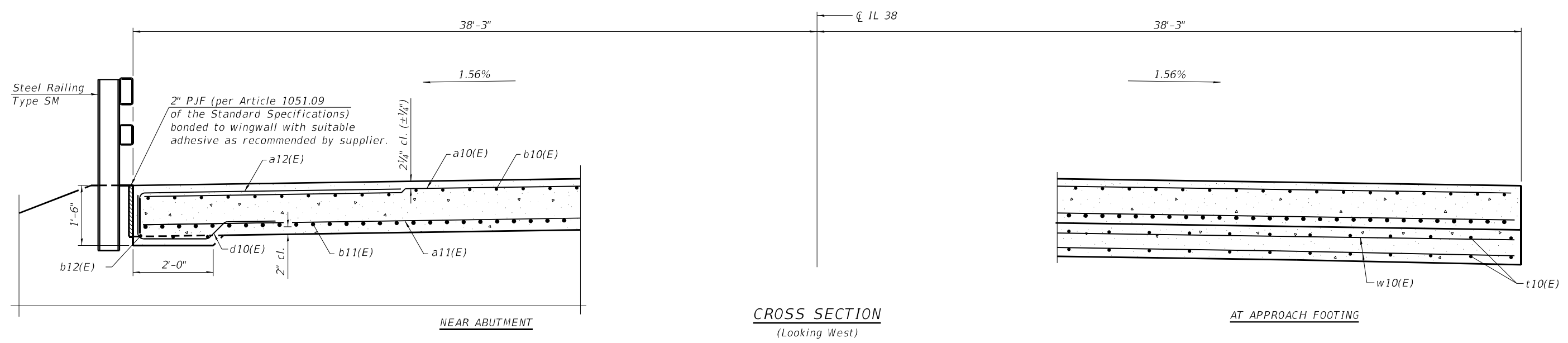


**TOP AND BOTTOM ELEVATIONS  
 FOR APPROACH FOOTING**

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	725.44	724.61	725.53	724.70
B	726.29	725.46	726.38	725.55
C	725.44	724.61	725.53	724.70
D	725.41	724.58	725.53	724.70
E	726.26	725.43	726.38	725.55
F	725.41	724.58	725.53	724.70



**PLAN**



**CROSS SECTION  
 (Looking West)**

**AT APPROACH FOOTING**



USER NAME =	DESIGNED - BJD	REVISED -
PLOT SCALE =	CHECKED - RAO	REVISED -
PLOT DATE =	DRAWN - GM	REVISED -
	CHECKED - MGH	REVISED -

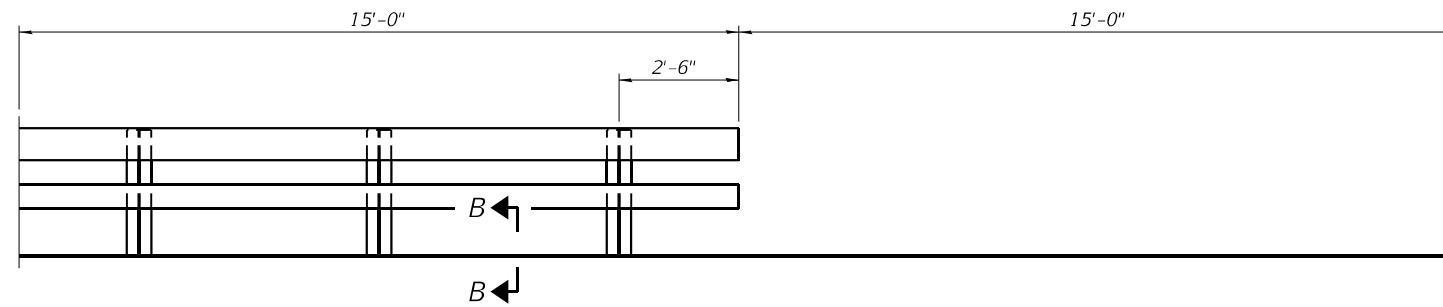
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
 BRIDGE APPROACH SLAB DETAILS**

SHEET S-9 OF S-11 SHEETS

F.A.P. RTE. 347	SECTION FAP 0347 22 BJ2	COUNTY DUPAGE	TOTAL SHEETS 39	SHEET NO. 28
CONTRACT NO. 62T16				ILLINOIS FED. AID PROJECT

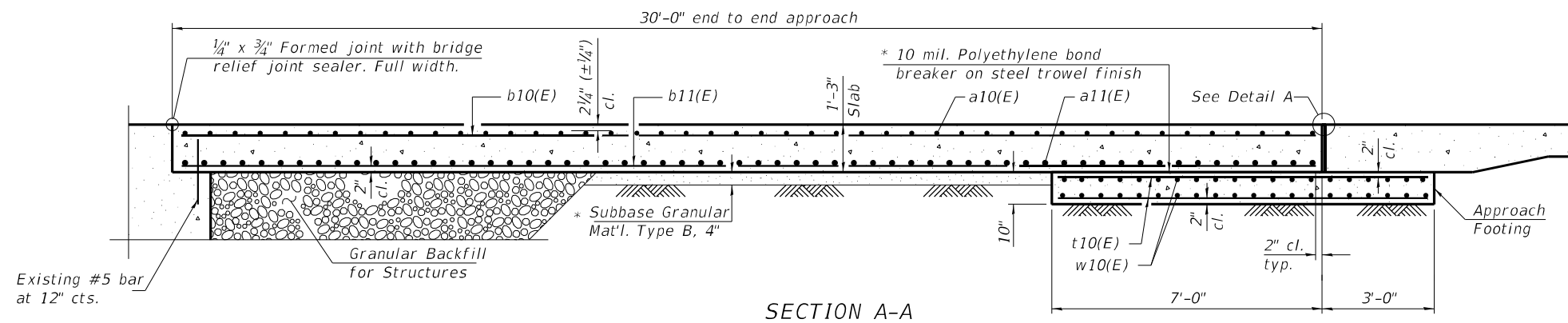




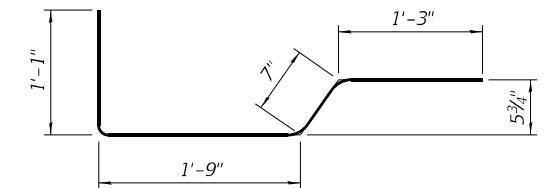
INSIDE ELEVATION OF RAILING

Notes:

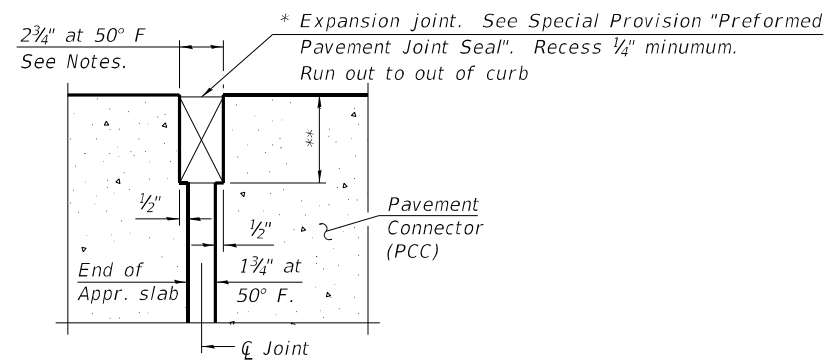
1. The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
2. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
3. Approach footing concrete shall be paid for as Concrete Structures.
4. The approach footing maximum applied service bearing pressure ( $Q_{max}$ ) = 2.0 ksf.
5. Cost of excavation for approach footing included with Concrete Structures.
6. For railing details, see sheet S-11 of S-11.



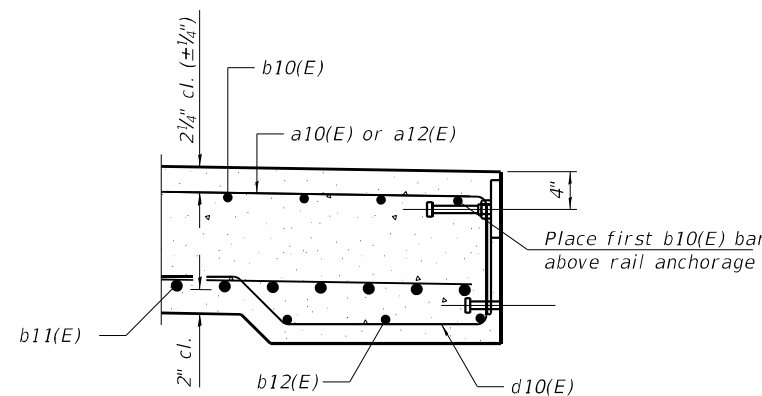
SECTION A-A



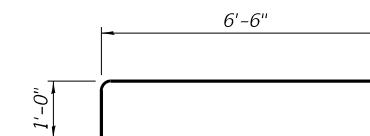
BAR d10(E)



DETAIL A



SECTION B-B



BAR a12(E)

TWO APPROACHES  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	47'-8"	—
a11(E)	120	#8	47'-8"	—
a12(E)	92	#5	7'-6"	—
b10(E)	232	#5	29'-8"	—
b11(E)	370	#9	29'-8"	—
b12(E)	12	#5	13'-8"	—
d10(E)	64	#5	4'-8"	⌋
t10(E)	312	#4	9'-8"	—
w10(E)	80	#5	47'-8"	—
Concrete Structures			Cu. Yd.	48
Bridge Deck Grooving			Sq. Yd.	659
Protective Coat			Sq. Yd.	659
Concrete Superstructure (Approach Slab)			Cu. Yd.	213
Reinforcement Bars, Epoxy Coated			Pound	71,540

\* Cost included with Concrete Superstructure (Approach Slab).

\*\* Per manufacturer recommendations

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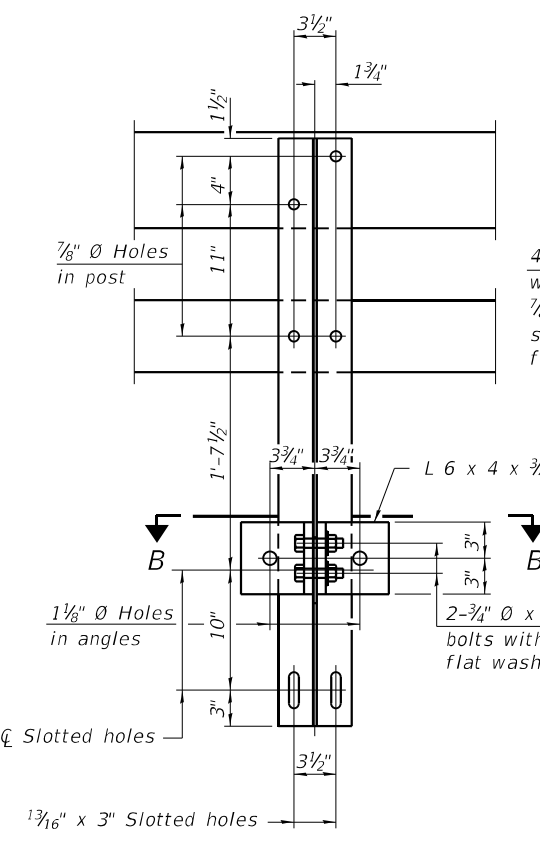
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 38 OVER WINFIELD CREEK  
BRIDGE APPROACH SLAB DETAILS

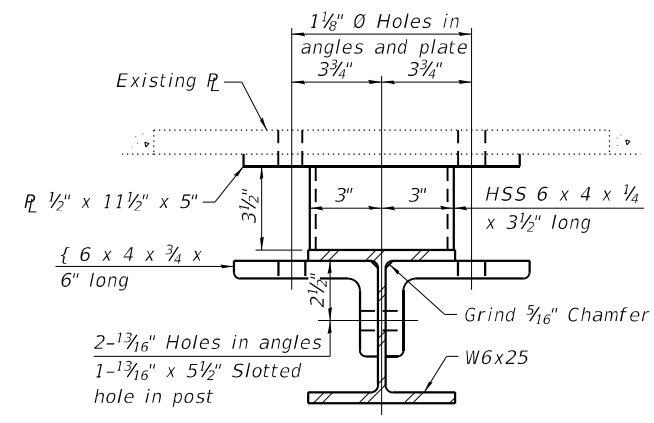
SHEET S-10 OF S-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				

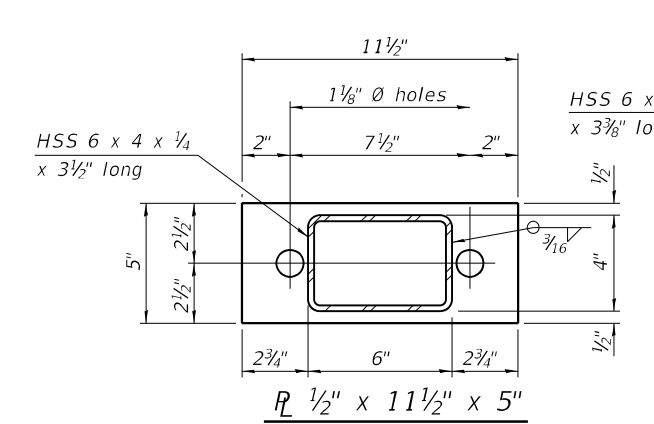
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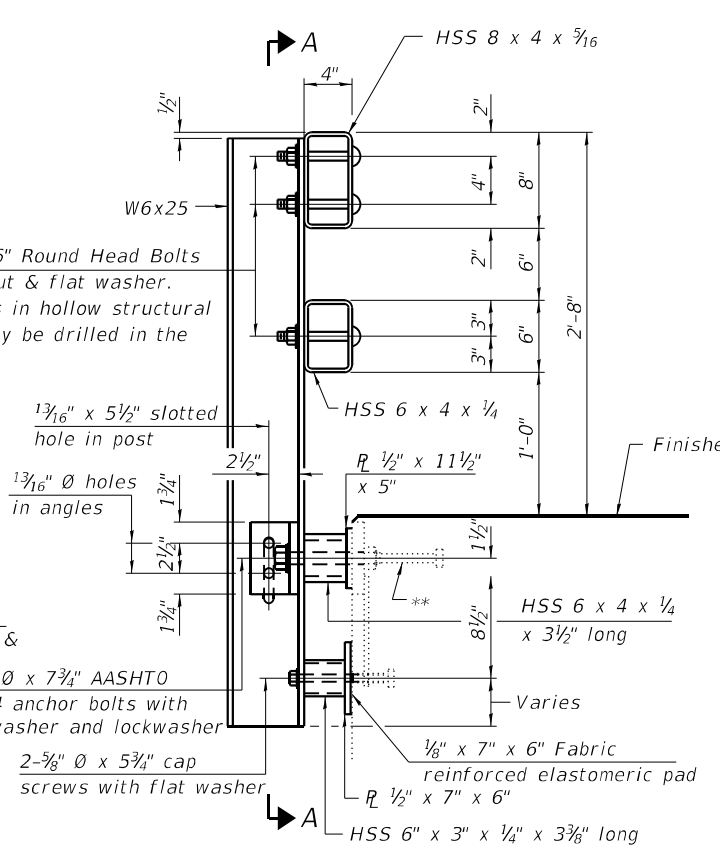
SECTION A-A



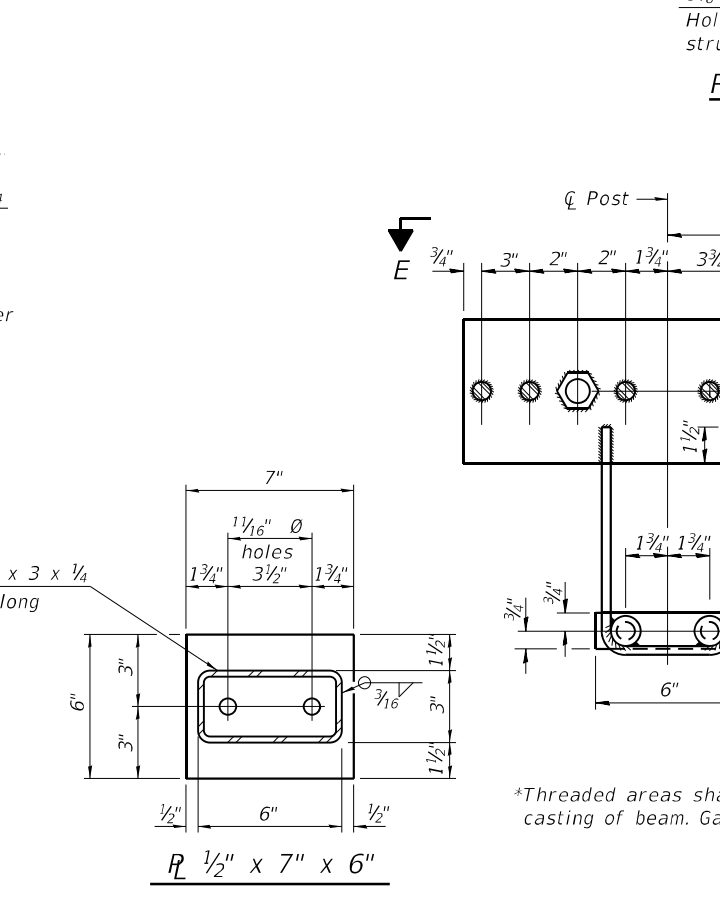
SECTION B-B



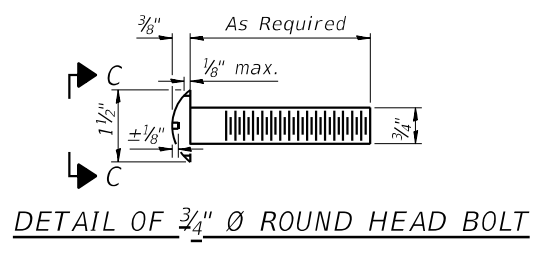
R 1/2" x 11 1/2" x 5"



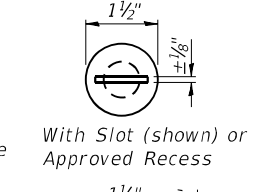
SECTION AT RAIL POST



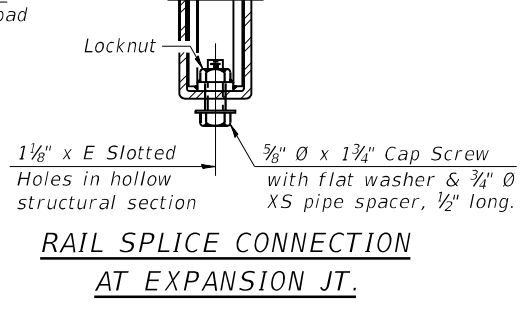
ANCHOR DEVICE



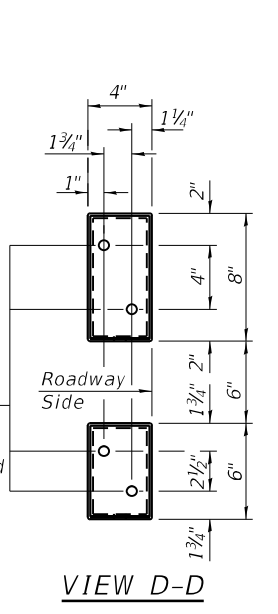
DETAIL OF 3/4" Ø ROUND HEAD BOLT



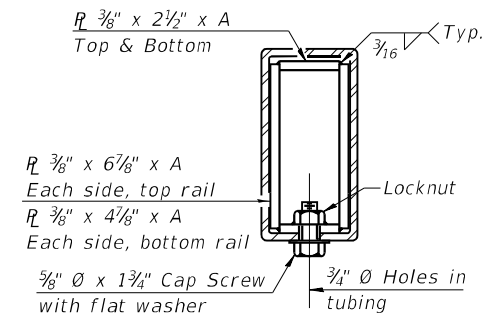
VIEW C-C



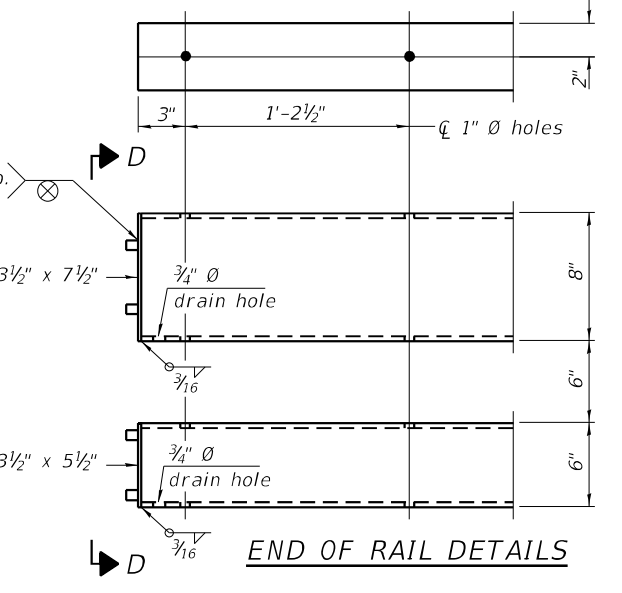
RAIL SPLICE CONNECTION AT EXPANSION JT.



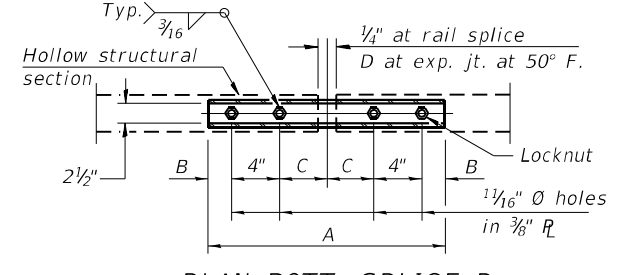
VIEW D-D



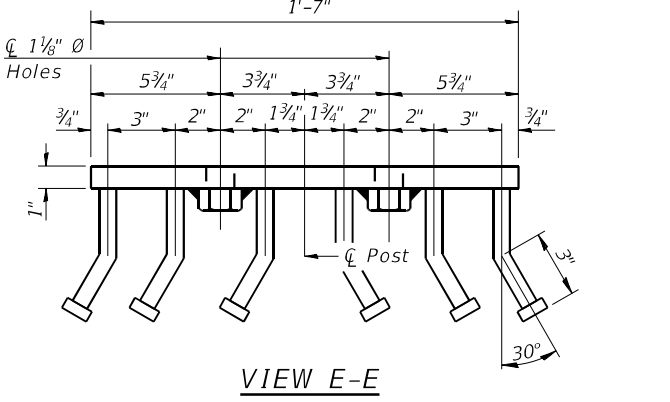
SECTION AT RAIL SPLICE



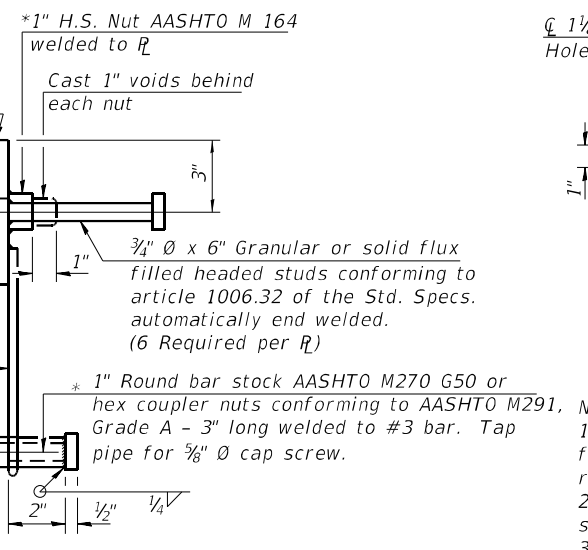
END OF RAIL DETAILS



PLAN-BOTT. SPLICE R TYPICAL



VIEW E-E



SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	

T = Total movement at expansion joint as shown on the design plans.

- Notes:
- The existing anchor devices on the bridge shall be reused for the proposed railing. They are shown on this sheet for reference only.
  - The anchor devices to be used for the approach slabs are shown on this sheet.
  - Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

\*\* The existing studs of the anchor devices shall be verified by the contractor for reuse and approved by the Engineer.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	155



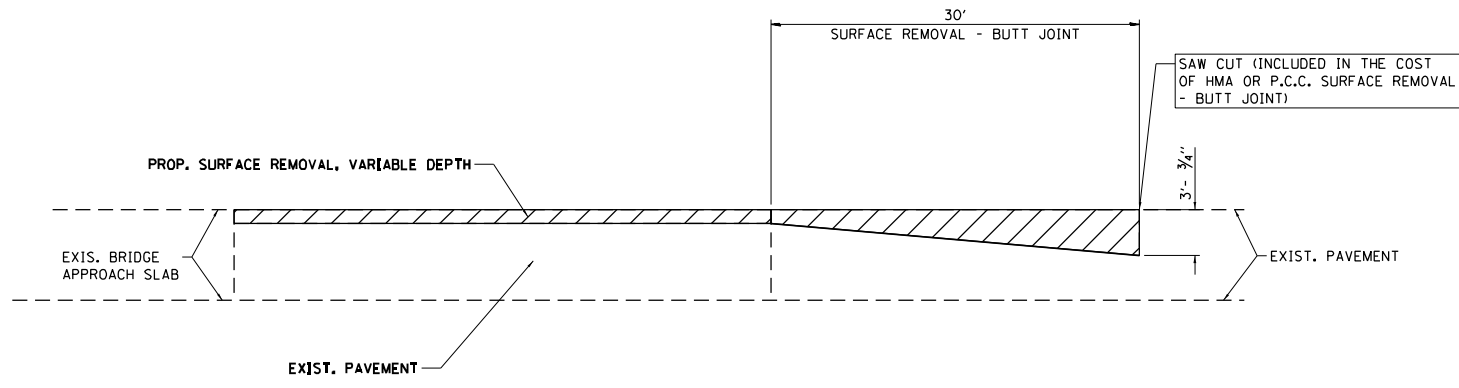
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

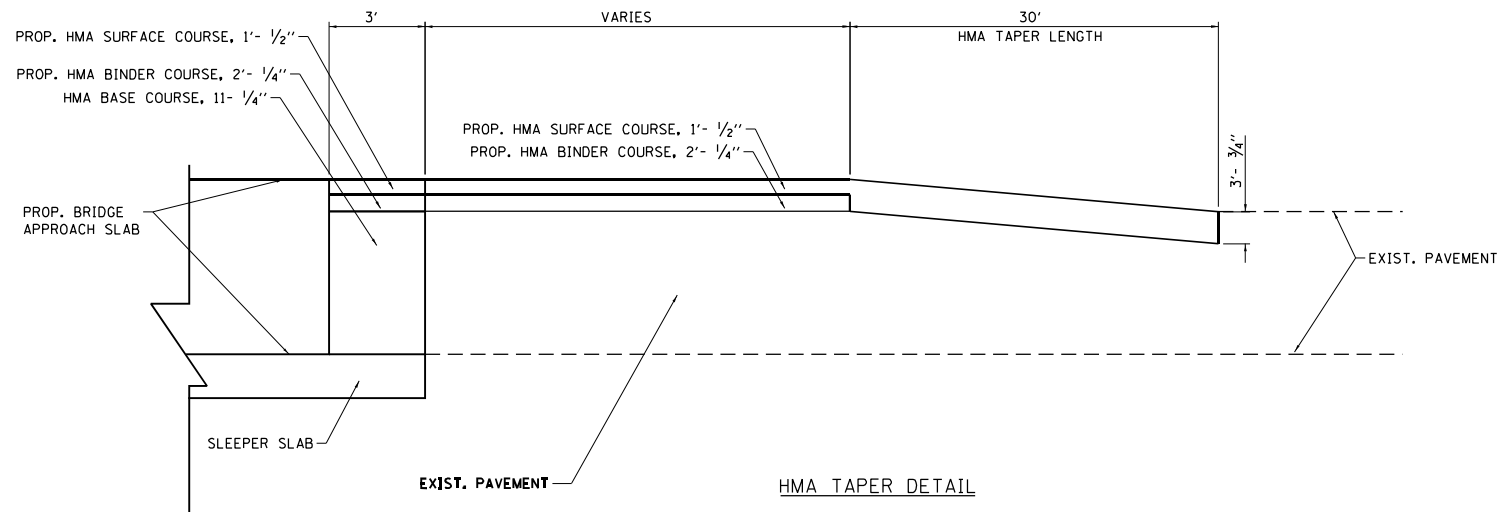
IL 38 OVER WINFIELD CREEK  
STEEL RAILING, TYPE SM

SHEET S-11 OF S-11 SHEETS

F.A.P. RTE. 347	SECTION FAP 0347 22 BJ2	COUNTY DUPAGE	TOTAL SHEETS 39	SHEET NO. 30
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				



BUTT JOINT DETAIL



PAVEMENT TRANSITION DETAIL

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 DATE: 3/22/2023  
 PLOT SCALE: 1/8" = 1'-0"  
 PLOT DATE: 3/22/2023



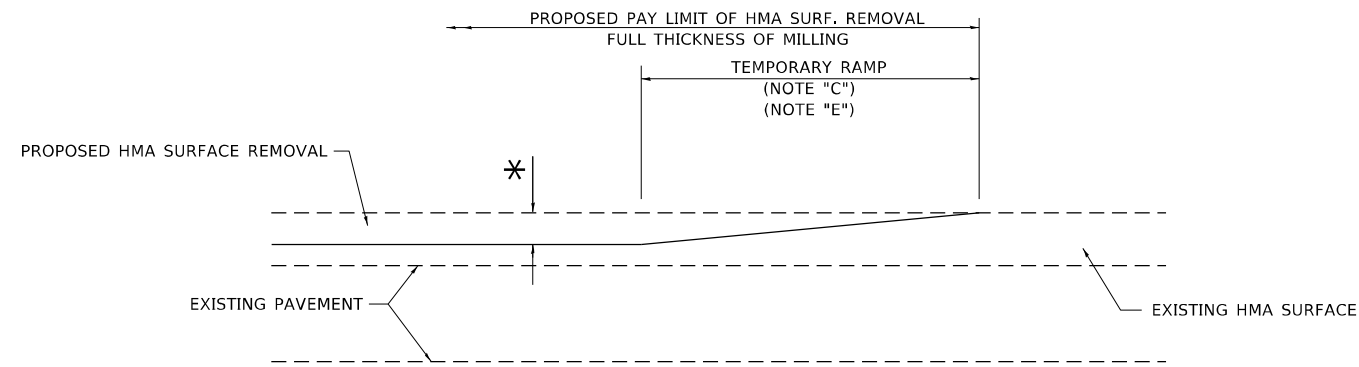
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DRAWN	MM	REVISIONS	-
CHECKED	TC	REVISIONS	-
DATE	03/22/2023	REVISIONS	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 38 OVER WINFIELD CREEK  
PAVEMENT TRANSITION DETAIL**

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

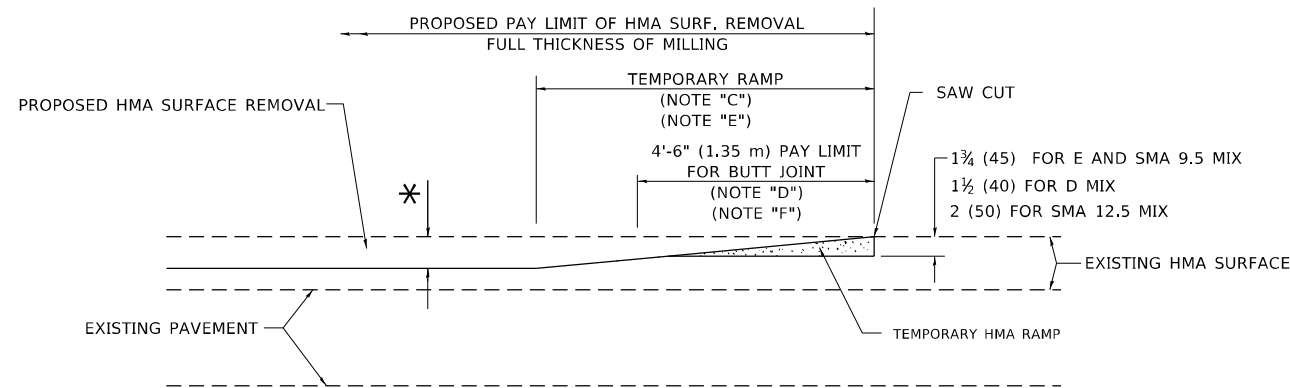
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	31
CONTRACT NO. 62T16				
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

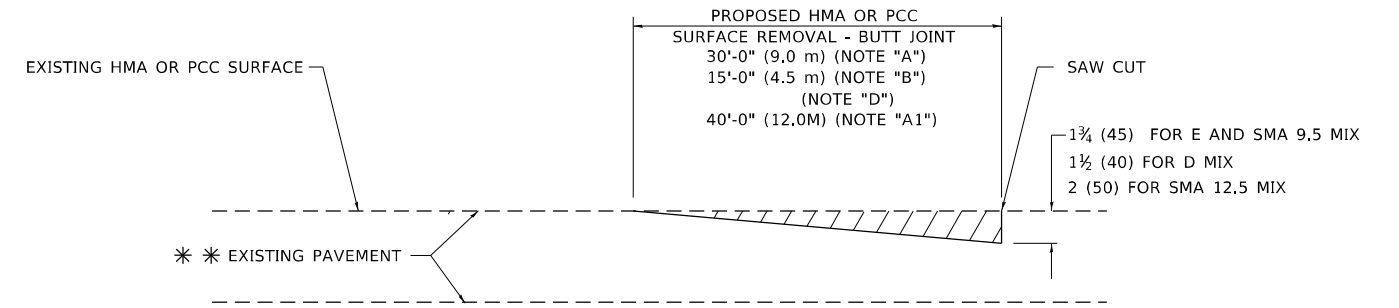


**HMA CONSTRUCTED TEMPORARY RAMP**

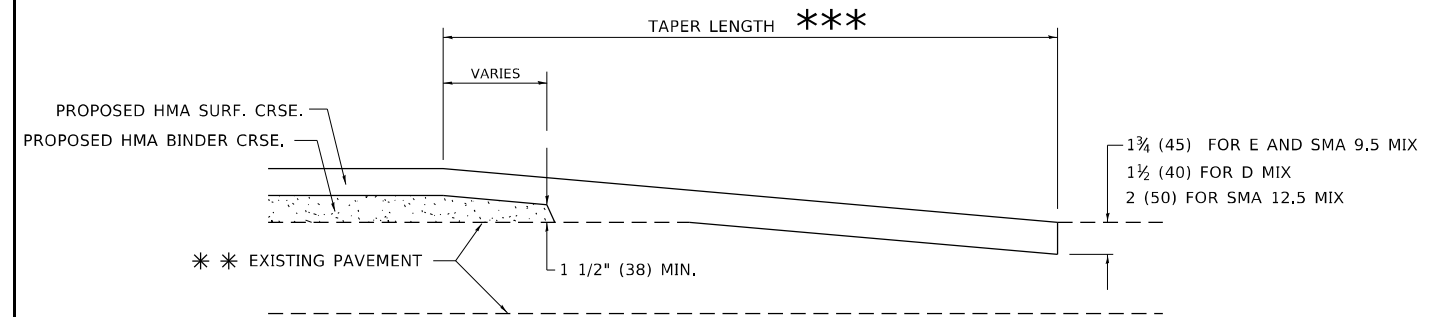
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

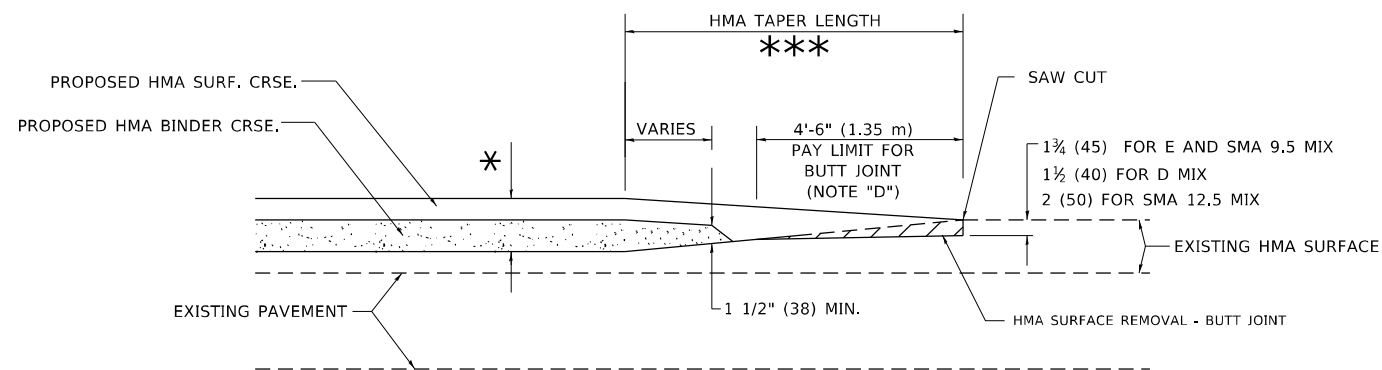
**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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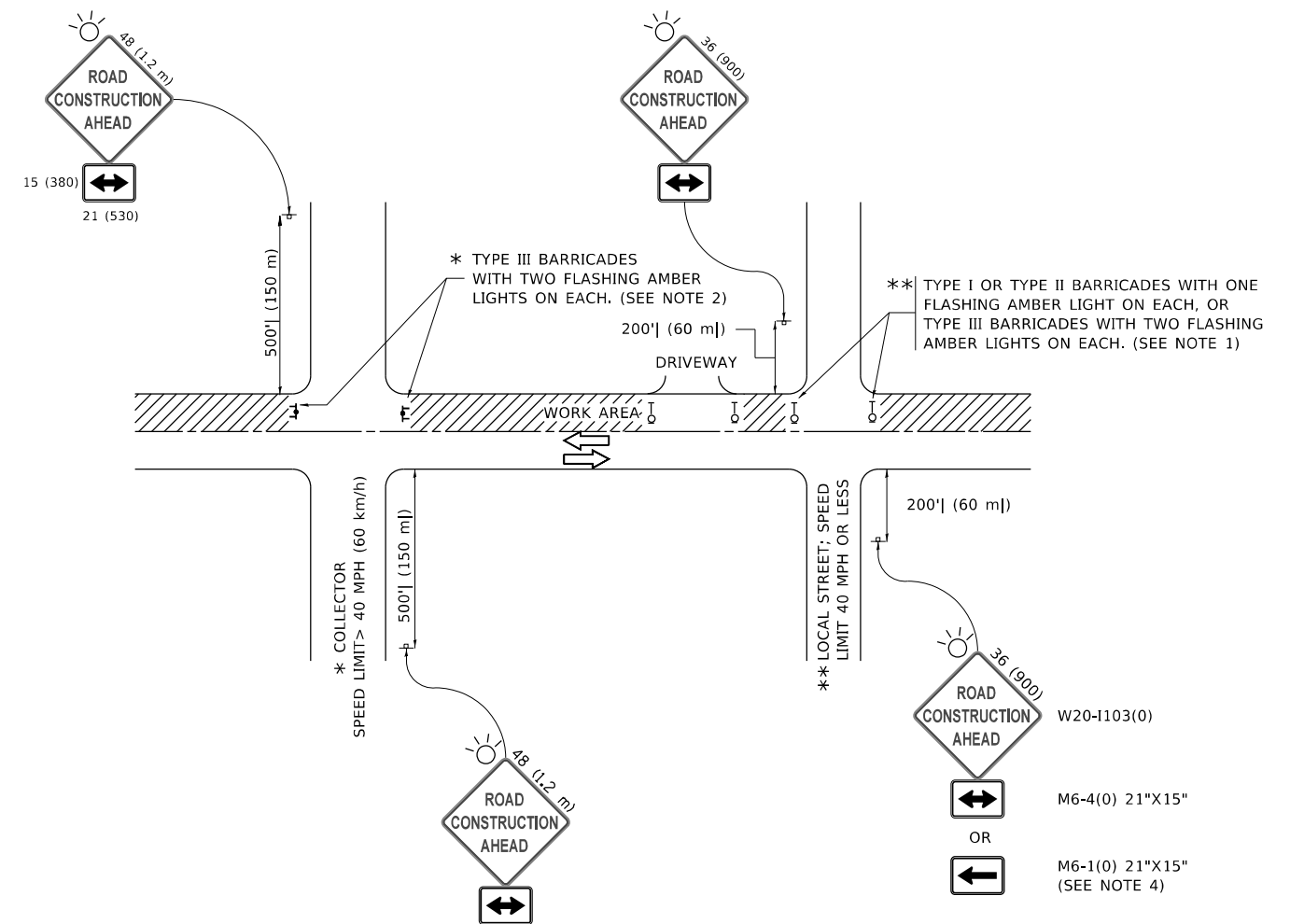
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
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PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	32
BD400-05 BD-32		CONTRACT NO. 62T16		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4),
 

WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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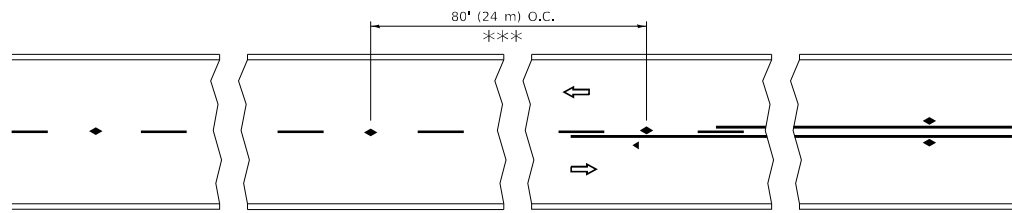
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

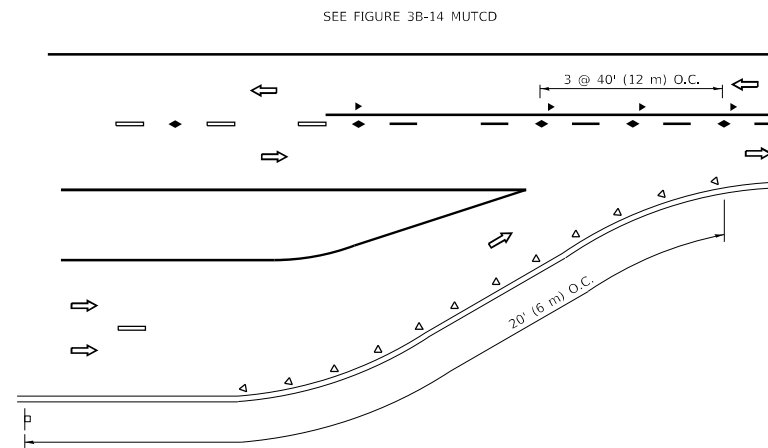
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<b>TC-10</b>			CONTRACT NO. 62T16	
ILLINOIS FED. AID PROJECT				

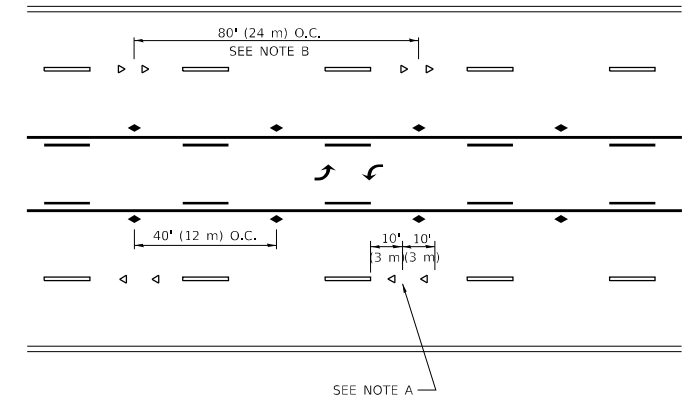


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

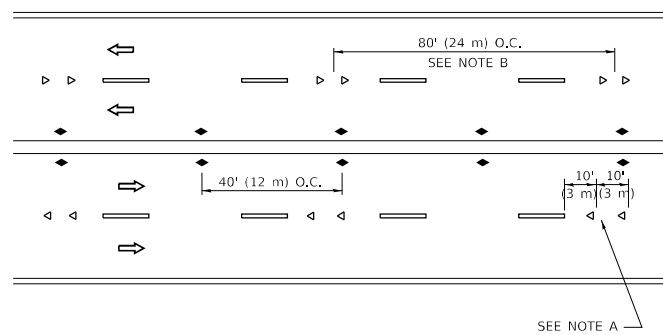
**TWO-LANE/TWO-WAY**



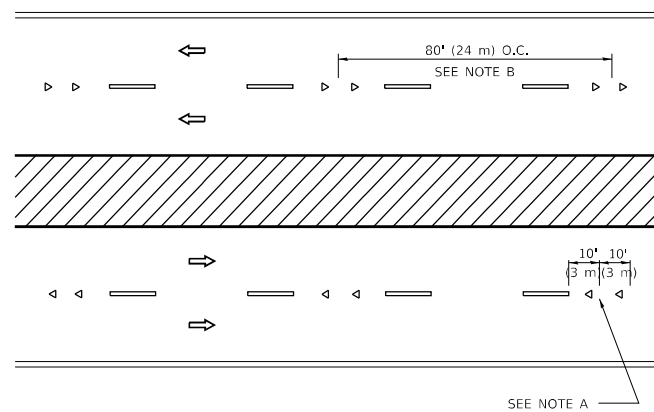
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**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**

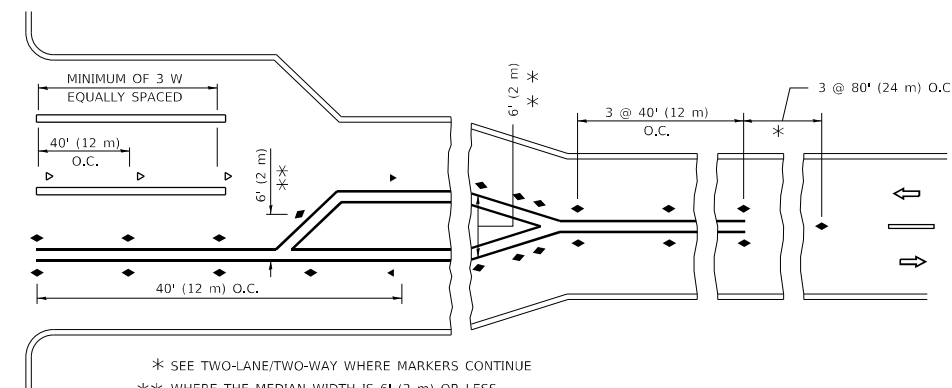
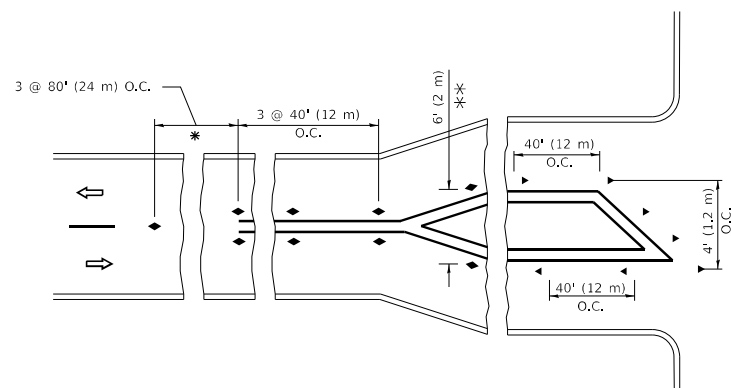
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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.



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

**TURN LANES**

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

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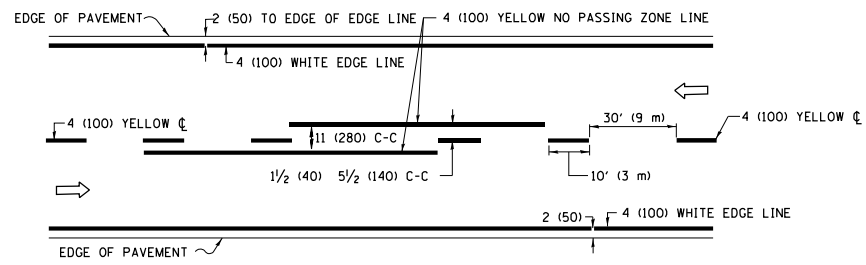
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

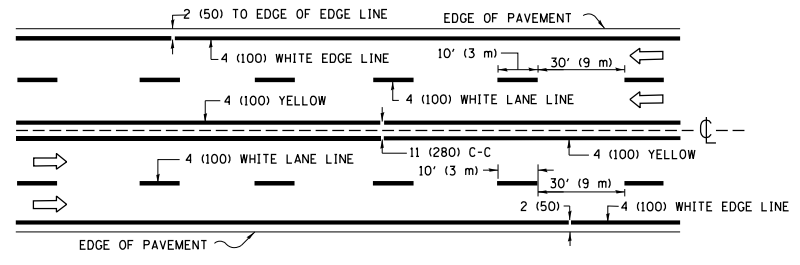
**TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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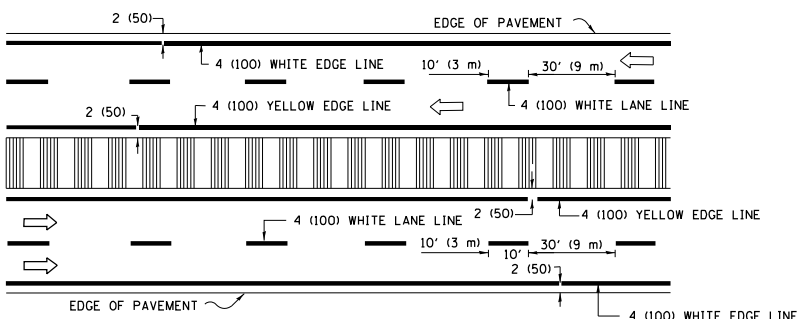
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		ILLINOIS	FED. AID PROJECT	



**2-LANE ROADWAY**

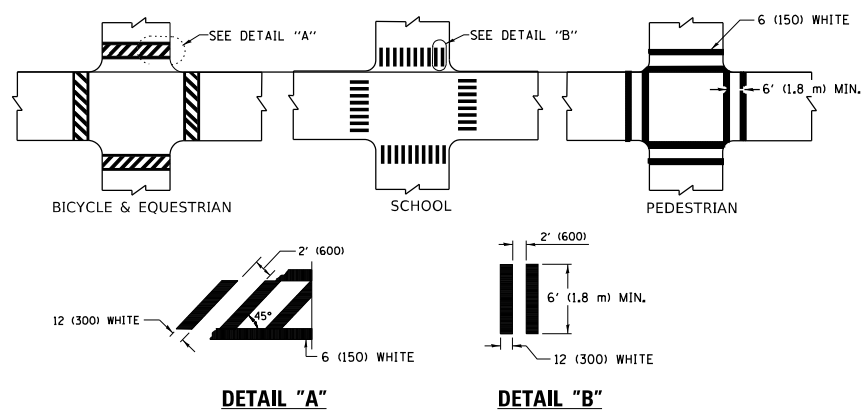


**MULTI-LANE UNDIVIDED**



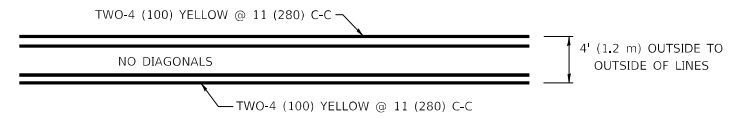
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

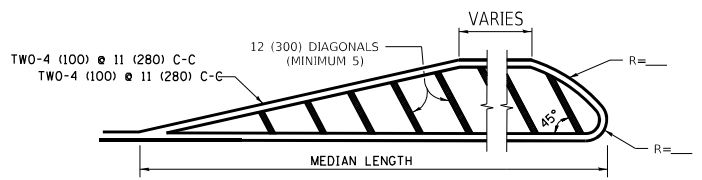


**TYPICAL CROSSWALK MARKING**

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



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

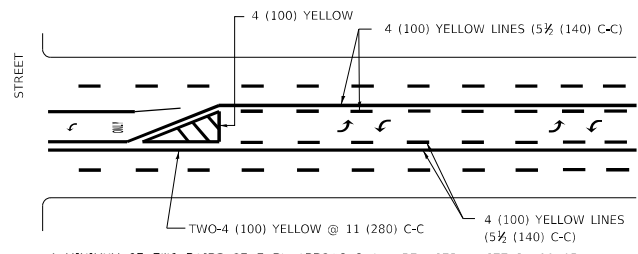


**MEDIANS OVER 4' (1.2 m) WIDE**

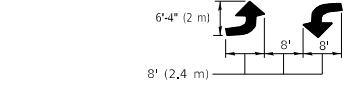
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**MEDIANS WITH TWO-WAY LEFT TURN LANE**

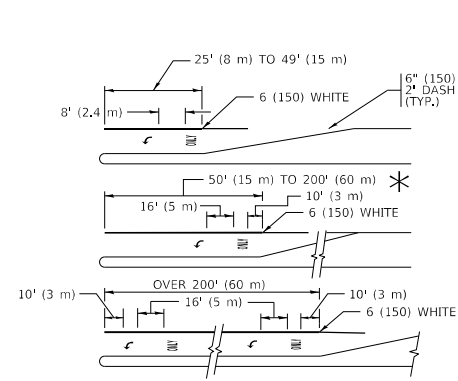


**TYPICAL PAINTED MEDIAN MARKING**



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

**TYPICAL TURN LANE MARKING**

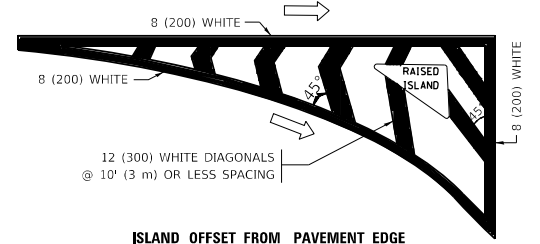


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

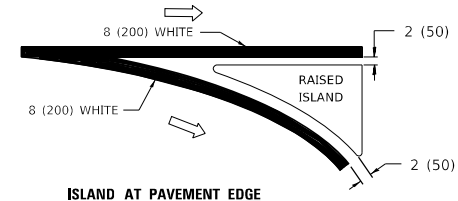
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

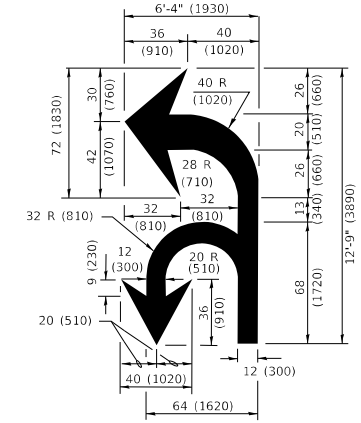
**TYPICAL TURN LANE MARKING**



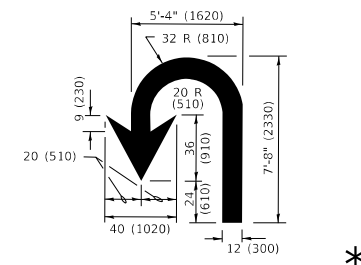
**ISLAND OFFSET FROM PAVEMENT EDGE**



**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	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT 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; 5/2 (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 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 "RR" IS 8' (1.8 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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	-	- C. JUCIUS 07-01-13
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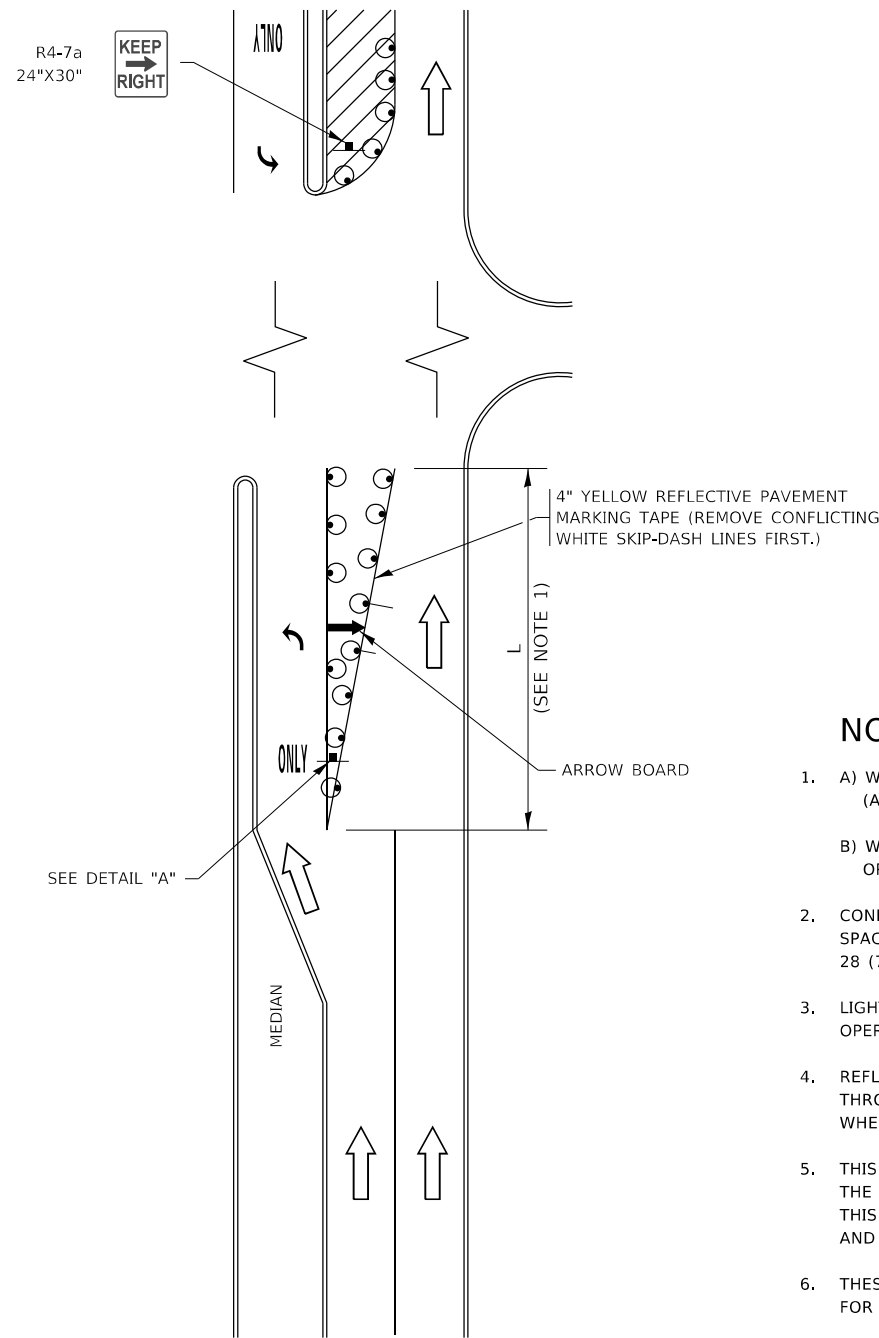
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

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

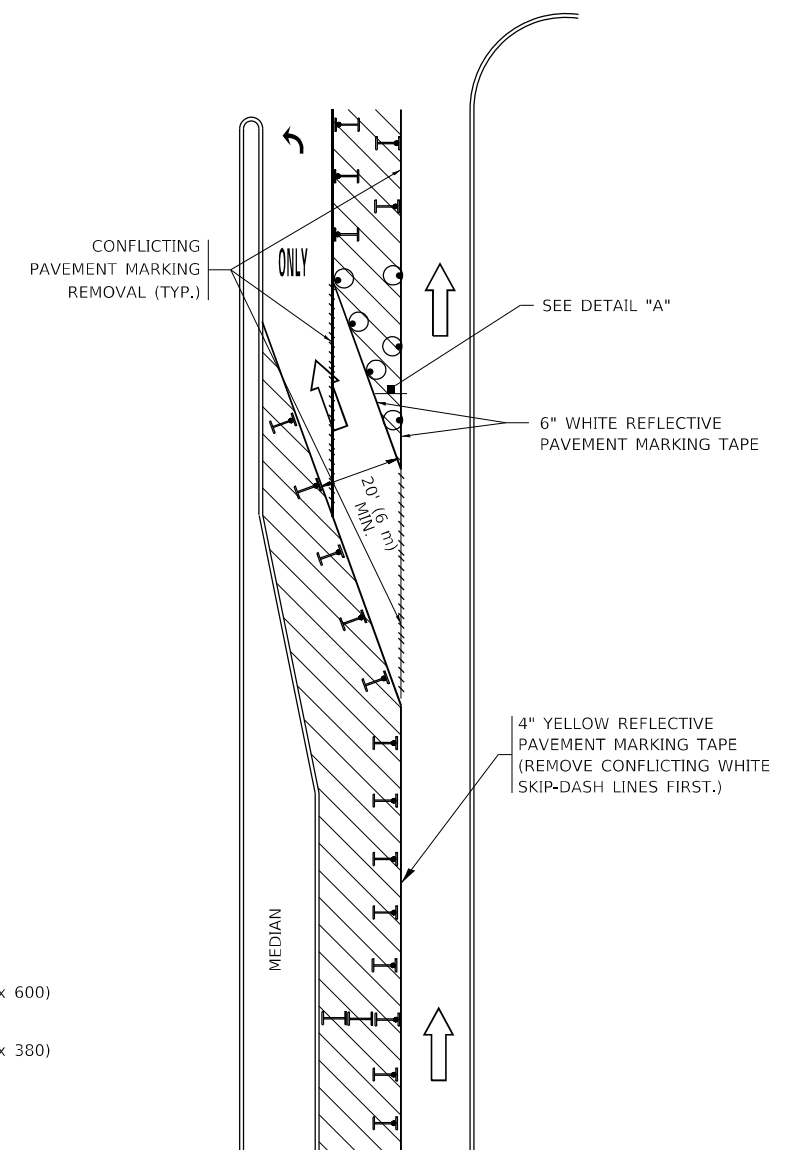
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347	FAP 0347 22 B2	DUPAGE	39	35
<b>TC-13</b>		CONTRACT NO. 62T16		
ILLINOIS		FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

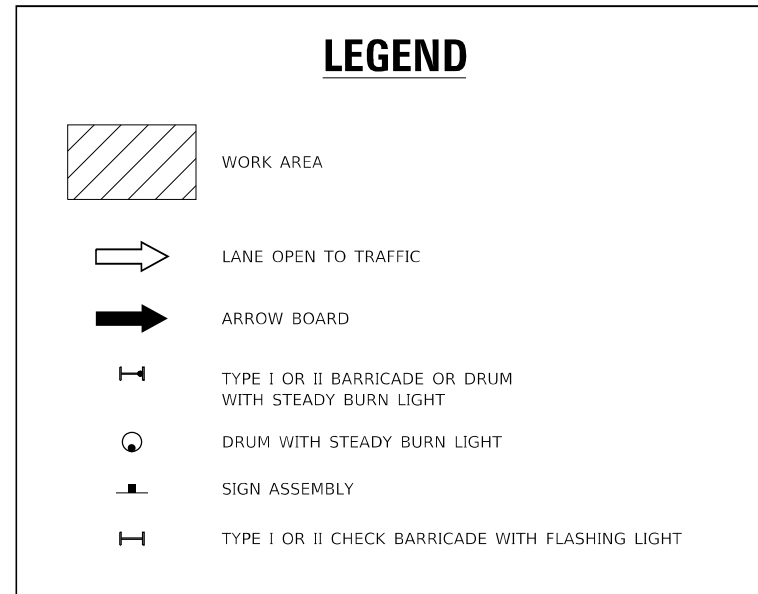


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

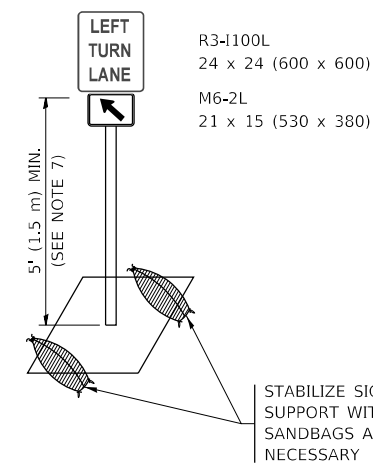


**FIGURE 2**



### NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

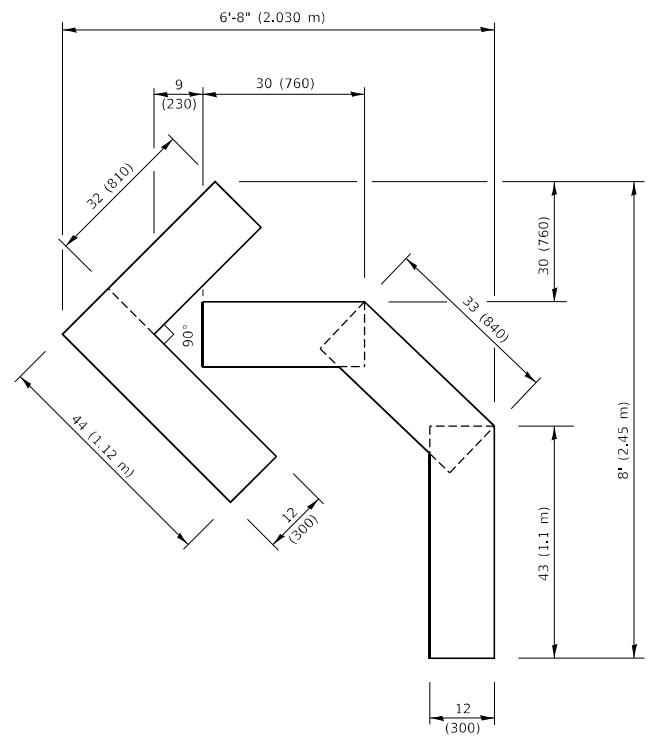
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

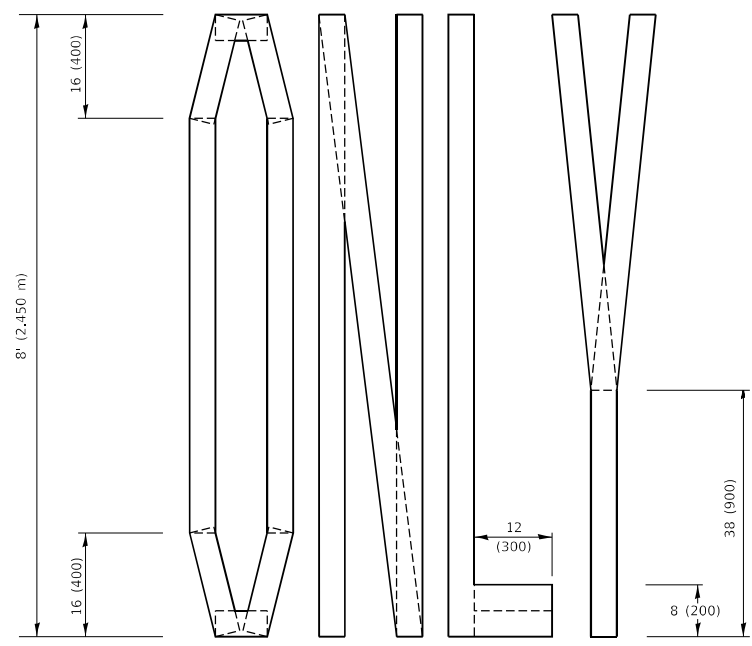
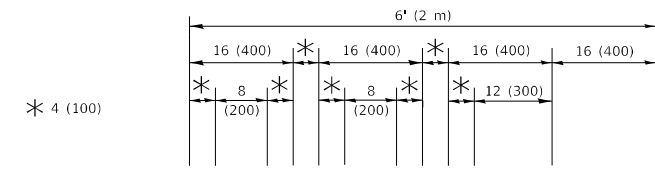
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ILLINOIS FED. AID PROJECT				

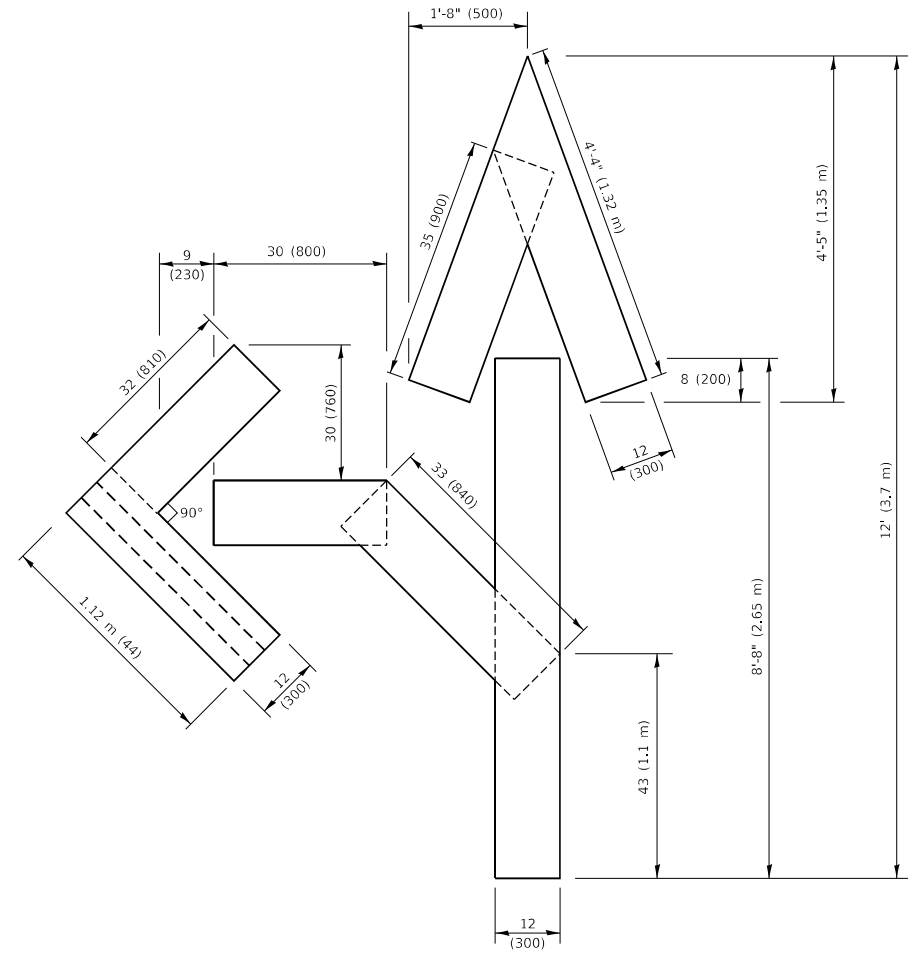




**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

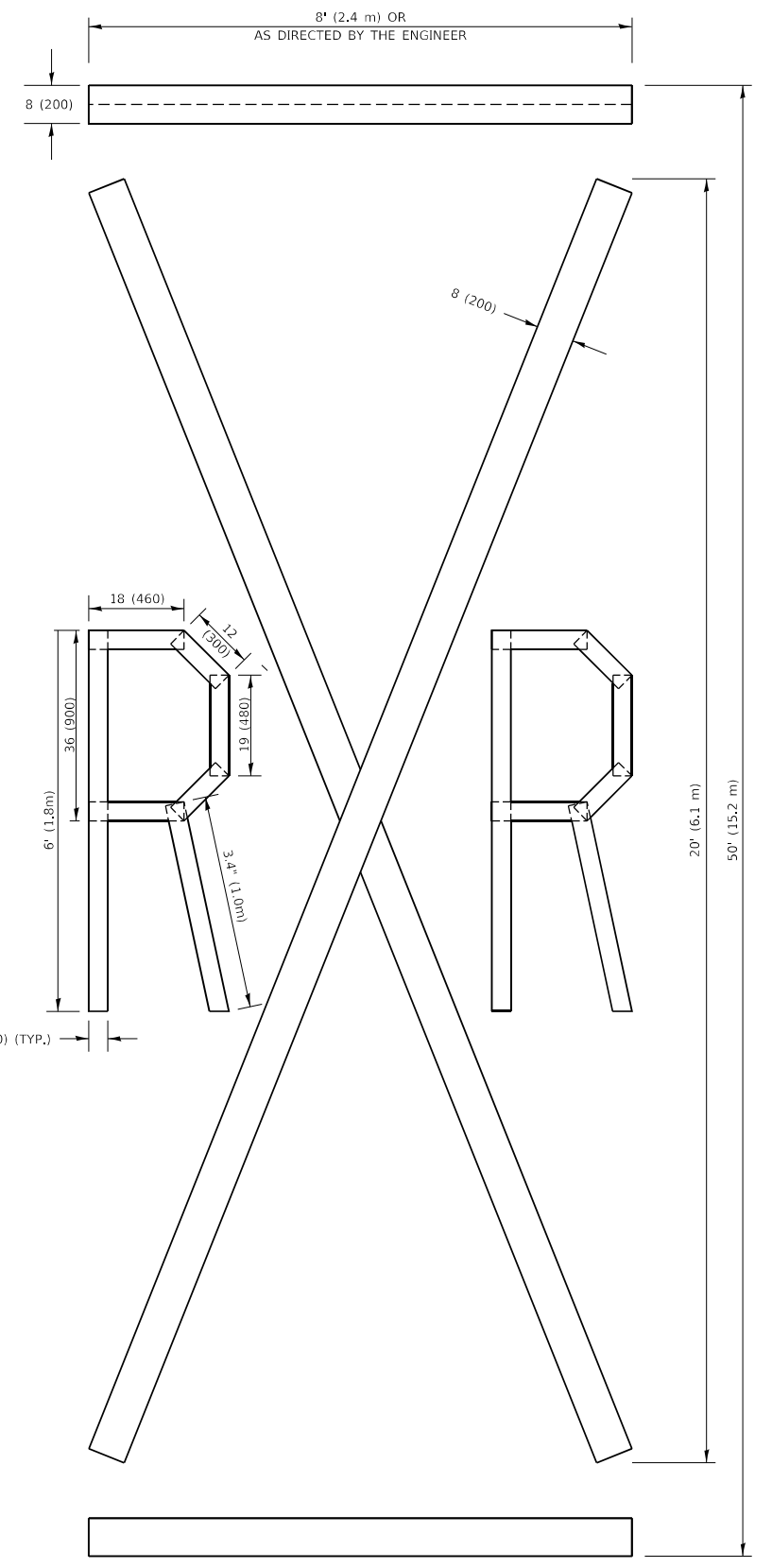


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

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

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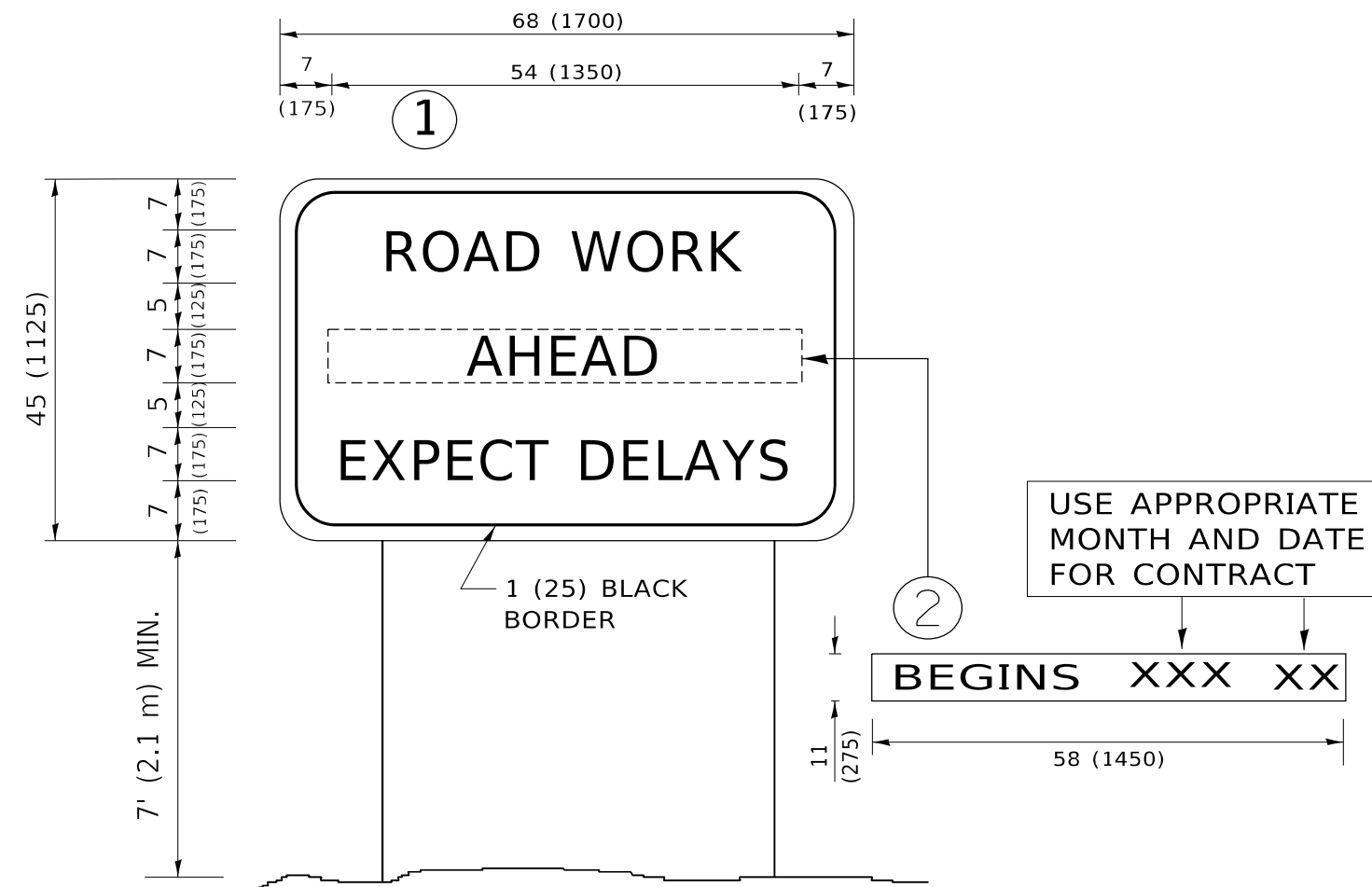
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	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE. 347	SECTION FAP 0347 22 BJ2	COUNTY DUPAGE	TOTAL SHEETS 39	SHEET NO. 37
TC-16		CONTRACT NO. 62T16		
ILLINOIS FED. AID PROJECT				



**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.

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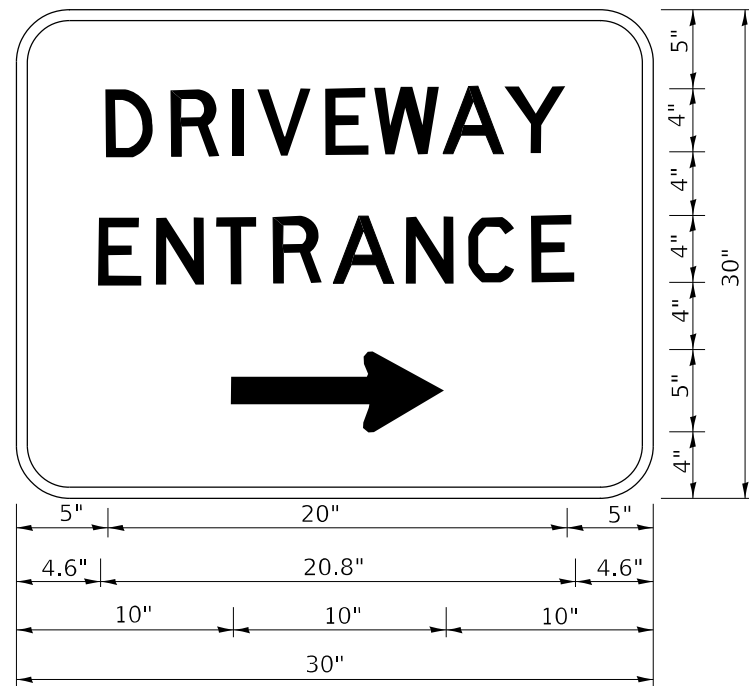
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE. 347	SECTION FAP 0347 22 BJ2	COUNTY DUPAGE	TOTAL SHEETS 39	SHEET NO. 38
TC-22			CONTRACT NO. 62T16	
ILLINOIS FED. AID PROJECT				



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: Default  
 FILE NAME: p:\planning\mtdat\illinois.gov\PWIDOT\Documents\DOT\_Offices\District\_1\Projects\DH5022\3A\CD\Draw\CAD\sheet326.dgn

USER NAME = lleya	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	FAP 0347 22 BJ2	DUPAGE	39	39
TC-26			CONTRACT NO. 62T16	
ILLINOIS FED. AID PROJECT				