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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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482011-03	HMA SHLD, STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
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630001-12	STEEL PLATE BEAM GUARDRAIL
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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

1. 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.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES THE CITY OF WHEATON.
3. THE CONTRACTOR SHALL NOT SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. 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.
5. 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
6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
7. 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).
8. 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.
9. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
10. 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.
11. 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.
12. 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.
13. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
14. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 PAVEMENT MARKINGS STANDARD DETAILS.
15. 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.
16. 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.
17. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULL LOADED TANDEM AXLE TRUCK.
18. 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.
19. THE CONTRACTOR MUST VERIFY THE EXISTING SUBBASE AND PAVEMENT DEPTH IF APPLICABLE.
20. 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.
21. 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.

1

22. 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.
23. 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.
24. 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).

1 REVISED SHEET 5/26/2023

MODEL: $MODELNAME$
FILE NAME: $FILE$

wsp

USER NAME = $USER$	DESIGNED - KE	REVISED - 1 5/23/2023
	DRAWN - KE	REVISED -
PLOT SCALE = $SCALE$	CHECKED - TC	REVISED -
PLOT DATE = $DATE$	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	CONSTRUCTION CODE: NHPP 80% FED 20% STATE		
				ROADWAY	BRIDGE		
				0005	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	CONSTRUCTION CODE: NHPP 80% FED 20% STATE		
					ROADWAY	BRIDGE		
					0005	0047		
					URBAN	S.N.022-2009		
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	370 ~~3,312~~	370 ~~3,312~~	1 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

1 REVISED SHEET 5/26/2023

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - KE	REVISED -	
	DRAWN - KE	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TC	REVISED -	
PLOT DATE = $DATE$	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		

20200100					
EARTH EXCAVATION					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	CU YD
IL-38 ROAD	2+56.87	44.00,LT	2+92.87	44.00,LT	12
IL-38 ROAD	2+56.87	44.00,RT	2+92.50	44.00,RT	18
IL-38 ROAD	3+70.37	39.00,LT	4+02.91	42.73,LT	11
IL-38 ROAD	4+30.18	39.00,LT	4+47.81	39.00,LT	4
IL-38 ROAD	3+70.86	39.00,RT	4+47.37	39.00,RT	32
IL-38 ROAD	3+96.54	28.00,RT	4+36.53	28.00,RT	21
				TOTAL	98

21101615					
TOPSOIL FURNISH AND PLACE, 4"					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	SQ YD
IL-38 ROAD	3+40.86	39.26,RT	4+47.37	39.00,RT	38
				TOTAL	38

25000210					
SEEDING, CLASS 2A					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	ACRE
IL-38 ROAD	3+40.86	39.26,RT	4+47.37	39.00,RT	0.25
				TOTAL	0.25

25000400					
NITROGEN FERTILIZER NUTRIENT					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	POUND
IL-38 ROAD	3+40.86	39.26,RT	4+47.37	39.00,RT	23
				TOTAL	23

25000600					
POTASSIUM FERTILIZER NUTRIENT					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	POUND
IL-38 ROAD	3+40.86	39.26,RT	4+47.37	39.00,RT	23
				TOTAL	23

25100630					
EROSION CONTROL BLANKET					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	SQ YD
IL-38 ROAD	3+40.86	39.26,RT	4+47.37	39.00,RT	38
				TOTAL	38

28000400					
PERIMETER EROSION BARRIER					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	FOOT
IL-38 ROAD	1+03.27	42.38,RT	3+16.40	44.00,RT	212
IL-38 ROAD	2+42.11	45.42,LT	3+20.65	39.68,LT	80
IL-38 ROAD	3+42.62	39.98,LT	4+05.85	48.42,LT	66
IL-38 ROAD	4+28.21	45.59,LT	4+52.63	44.09,LT	24
IL-38 ROAD	3+44.65	42.84,RT	5+04.32	43.39,RT	160
				TOTAL	542

28000500				
INLET AND PIPE PROTECTION				
ALIGNMENT	STATION	OFFSET	EACH	
IL-38 ROAD	2+03.35	36.72,LT	1	
IL-38 ROAD	2+96.43	41.46,RT	1	
IL-38 ROAD	4+35.81	39.41,LT	1	
IL-38 ROAD	5+32.36	39.33,RT	1	
		TOTAL	4	

28000510			
INLET FILTERS			
ALIGNMENT	STATION	OFFSET	EACH
IL-38 ROAD	5+35.65	28.94,RT	1
IL-38 ROAD	5+33.67	29.71,LT	1
		TOTAL	2

28000305			
TEMPORARY DITCH CHECKS			
ALIGNMENT	STATION	OFFSET	FOOT
IL-38 ROAD	2+91.11	41.91, RT	100
IL-38 ROAD	5+36.17	39.26, RT	100
IL-38 ROAD	4+57.19	37.87, LT	100
		TOTAL	300

35501329					
HOT-MIX ASPHALT BASE COURSE, 11 1/4"					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	SQ YD
IL-38 ROAD	2+89.60	38.68,LT	2+92.60	38.56,LT	26
IL-38 ROAD	3+70.83	43.33,RT	3+73.83	43.39,RT	26
				TOTAL	52

1

40600290					
BITUMINOUS MATERIALS (TACK COAT)					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	POUND
IL-38 ROAD	2+56.87	28.00,RT	2+92.60	28.00,RT	102
IL-38 ROAD	3+70.72	28.00,RT	4+47.37	28.00,RT	9
IL-38 ROAD	2+56.87	36.00,RT	2+92.60	36.00,RT	9
IL-38 ROAD	2+56.87	36.00,LT	2+92.60	36.00,LT	216
IL-38 ROAD	3+70.72	36.00,RT	4+47.37	36.00,RT	19
IL-38 ROAD	3+70.72	36.00,LT	4+47.37	36.00,LT	15
				TOTAL	370

40603085					
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	TON
IL-38 ROAD	2+56.87	28.00,RT	2+92.60	28.00,RT	29
IL-38 ROAD	3+70.72	28.00,RT	4+47.37	28.00,RT	61
				TOTAL	90

40604062					
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	TON
IL-38 ROAD	2+56.87	28.00,RT	2+92.60	28.00,RT	19
IL-38 ROAD	3+70.72	28.00,RT	4+47.37	28.00,RT	41
				TOTAL	60

48102100					
AGGREGATE WEDGE SHOULDER, TYPE B					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	TON
IL-38 ROAD	2+56.87	39.00,LT	2+92.87	39.00,LT	0.7
IL-38 ROAD	2+56.87	39.00,RT	2+92.50	39.00,RT	0.7
IL-38 ROAD	3+70.37	39.00,LT	4+02.91	39.00,LT	0.7
IL-38 ROAD	4+30.18	39.00,LT	4+47.81	39.00,LT	0.3
IL-38 ROAD	3+70.86	39.00,RT	4+47.37	39.00,RT	1.5
				TOTAL	4.0

48203029					
HOT-MIX ASPHALT SHOULDERS, 8"					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	SQ YD
IL-38 ROAD	2+56.87	36.00,LT	2+92.87	36.00,LT	33
IL-38 ROAD	2+56.87	36.00,RT	2+92.50	36.00,RT	32
IL-38 ROAD	3+70.37	36.00,LT	4+02.91	36.00,LT	26
IL-38 ROAD	4+30.18	36.00,LT	4+47.81	36.00,LT	12
IL-38 ROAD	3+70.86	36.00,RT	4+47.37	36.00,RT	69
				TOTAL	172

63000001					
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	FOOT
IL-38 ROAD	2+58.23	38.61,LT	3+07.87	38.25,LT	50
IL-38 ROAD	3+55.37	38.25,LT	4+03.77	46.46,LT	50
IL-38 ROAD	1+32.51	36.73,RT	3+07.87	28.00,RT	175
IL-38 ROAD	3+55.37	38.25,RT	4+80.21	37.42,RT	125
				TOTAL	400

63100045					
TRAFFIC BARRIER TERMINAL, TYPE 2					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	EACH
IL-38 ROAD	2+47.61	38.68,LT	2+60.11	38.56,LT	1
IL-38 ROAD	4+91.82	43.33,RT	5+04.32	43.39,RT	1
				TOTAL	2

63100169					
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	EACH
IL-38 ROAD	0+92.57	40.41, RT	1+05.07	38.39, RT	1
				TOTAL	1

X2020110					
GRADING AND SHAPING SHOULDERS					
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	UNIT
IL-38 ROAD	2+56.87	39.00,LT	2+92.87	39.00,LT	0.36
IL-38 ROAD	2+56.87	39.00,RT	2+92.50	39.00,RT	0.36
IL-38 ROAD	3+70.37	39.00,LT	4+02.91	39.00,LT	0.39
IL-38 ROAD	4+30.18	39.00,LT	4+47.81	39.00,LT	0.17
IL-38 ROAD	3+70.86	39.00,RT	4+47.37	39.00,RT	0.77
				TOTAL	2

DRIVEWAYS							
ALIGNMENT	STATION FROM	OFFSET	STATION TO	OFFSET	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	HOT-MIX ASPHALT BASE COURSE, 6"	AGGREGATE BASE COURSE, TYPE B, 6"
					40604060	35501308	35101800
					TON	SQ YD	SQ YD
IL-38 ROAD	3+96.54	28.00, LT	4+36.53	28.00, LT	6	53	53
				TOTAL	6	53	53

1 REVISED SHEET 5/26/2023

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED - MM	REVISED - 1 5/23/2023	
	DRAWN - MM	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TC	REVISED -	
PLOT DATE = $DATE$	DATE - 03/22/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 38 OVER WINFIELD CREEK
SCHEDULE OF QUANTITIES

SCALE: NONE | 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	6
		CONTRACT NO. 62T16		
	ILLINOIS FED. AID PROJECT			

LEGEND – EXISTING:

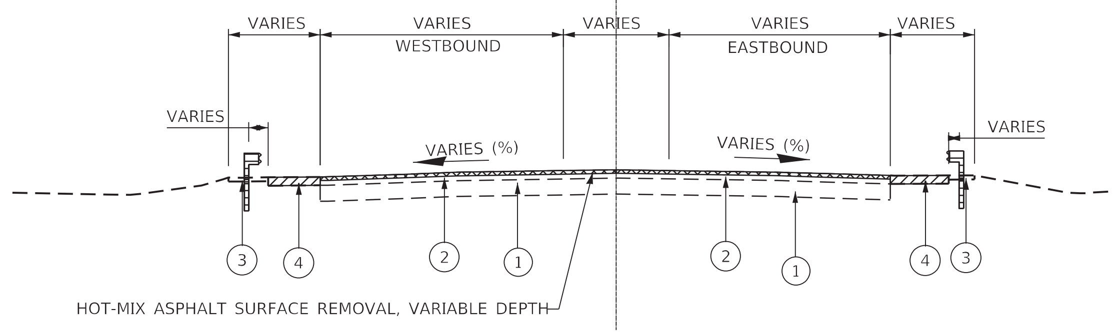
1. EXISTING P.C.C. PAVEMENT COURSE, 7" (+/-)
2. EXISTING HMA SURFACE COURSE, 7.75" (+/-)
3. EXISTING AGGREGATE SHOULDER
4. EXISTING HMA SHOULDER
5. EXISITING APPROACH FOOTING

LEGEND – REMOVAL

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- P.C.C. PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- PAVED SUBBASE REMOVAL (1)
- GUARDRAIL REMOVAL

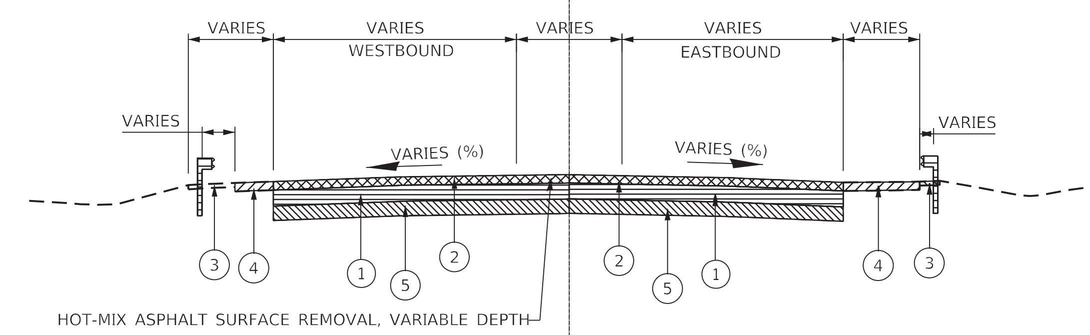
LEGEND – PROPOSED:

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"



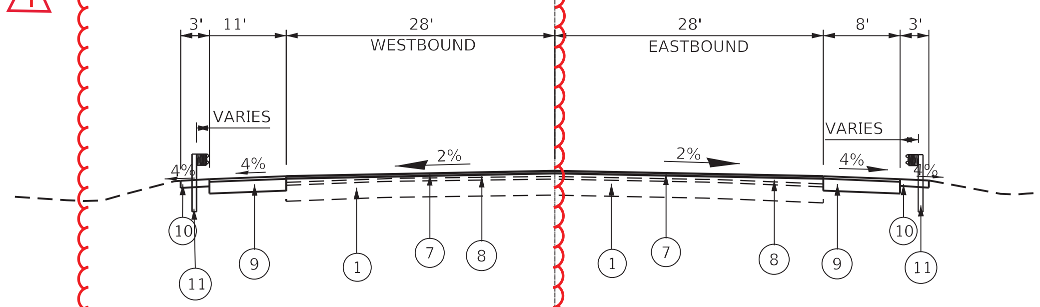
EXISTING TYPICAL SECTION

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



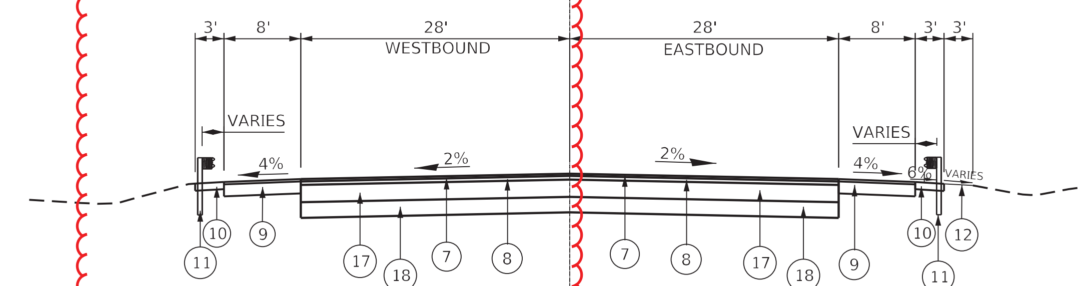
EXISTING TYPICAL SECTION

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
HMA SHOULDER 8"	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, 6-1/2"	4% @ 70 Gyr.	QC/QA
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
PAVEMENT RECONSTRUCTION	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 SPECFICATIONS.

(1) REVISED SHEET 5/26/2023

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PLOT DATE = 5/25/2023	DATE - 03/22/2023	REVISED -	

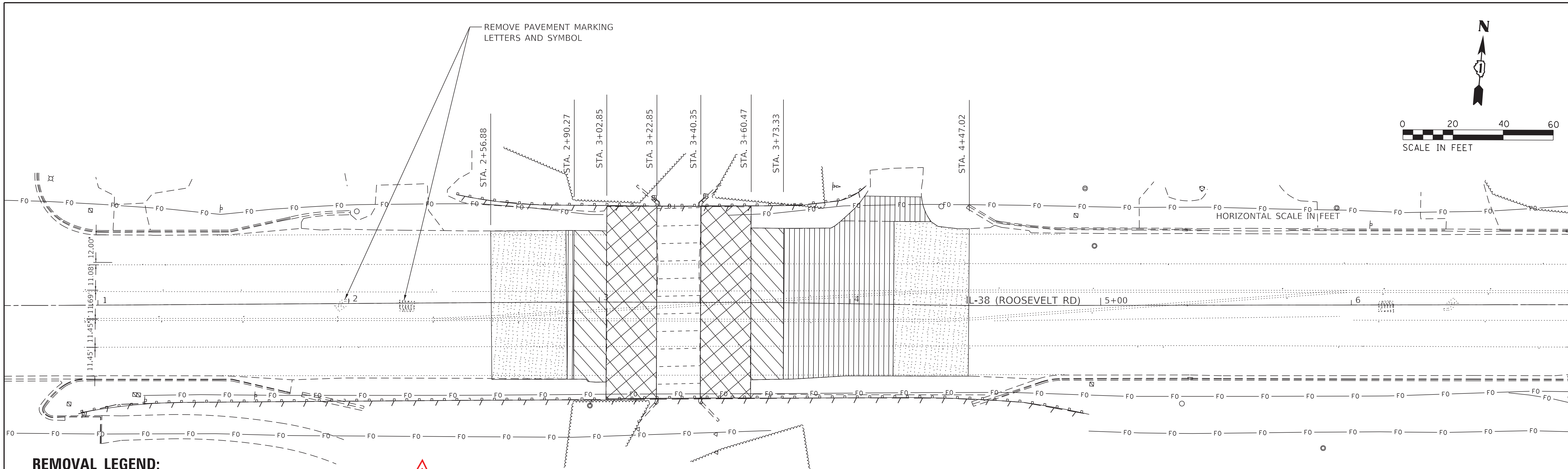
IL 38 OVER WINFIELD CREEK
TYPICAL SECTIONS

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

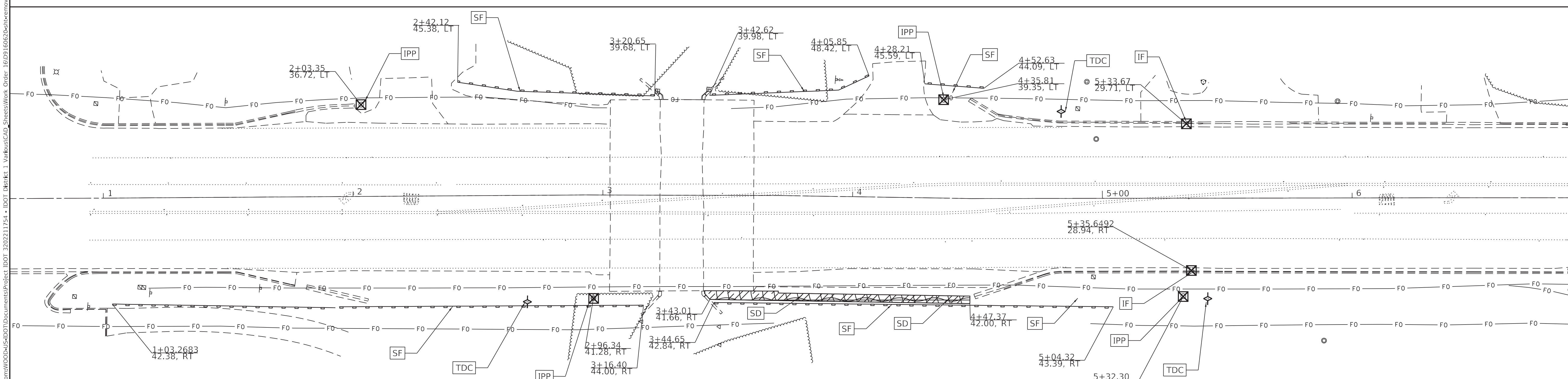
CONTRACT NO. 62T16

ILLINOIS | FED. AID PROJECT



REMOVAL LEGEND:

- HOT-MIX ASPHALT SURFACE REMOVAL & BUTT JOINT
- APPROACH SLAB REMOVAL
- PAVEMENT REMOVAL (revision 1)
- HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH
- BRIDGE DECK SCARIFICATION
- GUARDRAIL REMOVAL



EROSION CONTROL LEGEND

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

1 REVISED SHEET 5/26/2023

USER NAME = majid.mastali	DESIGNED - MM	REVISED - 1 5/23/2023	
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PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 5/23/2023	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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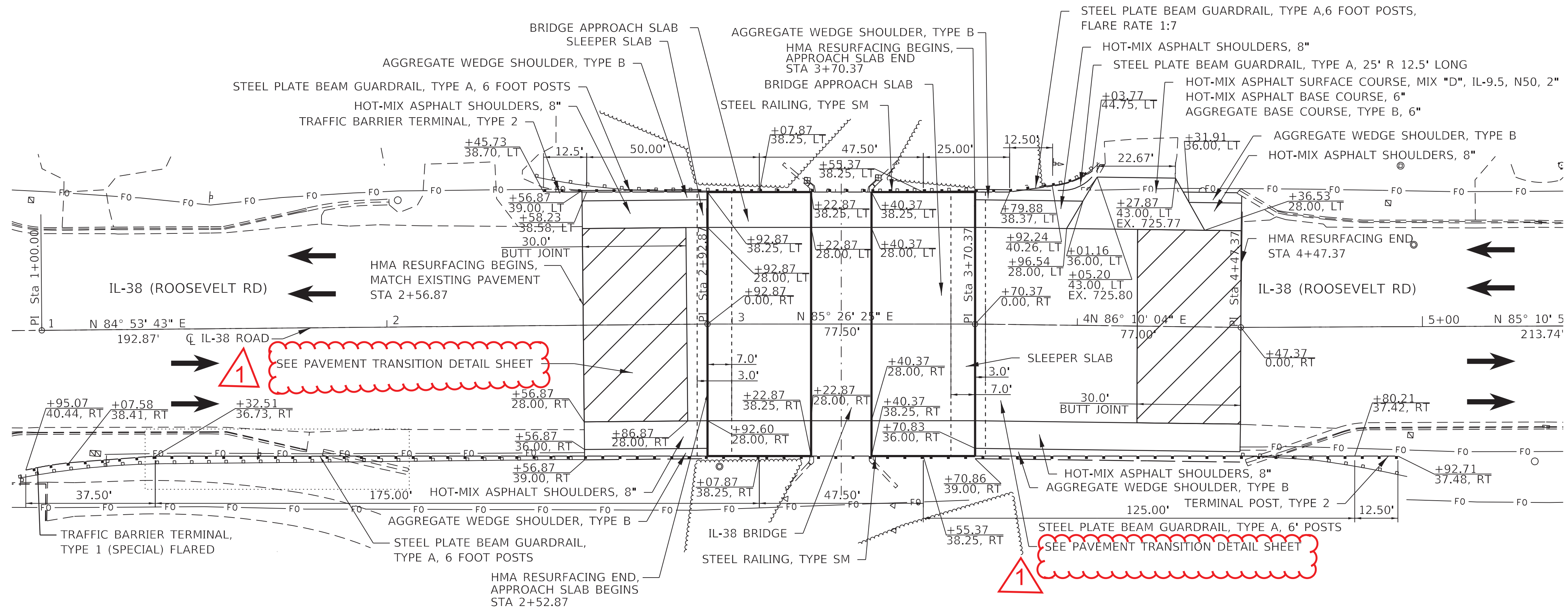

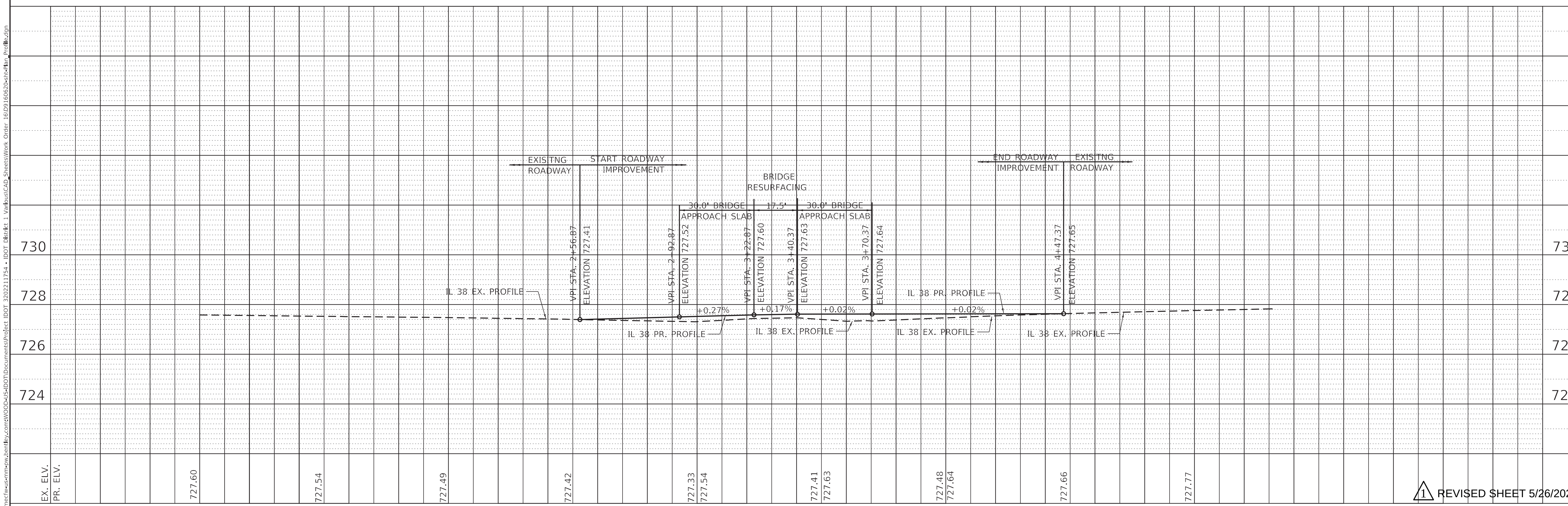

1 REVISED SHEET 5/26/2023

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	PLOT DATE = 5/23/2023	DATE - 3/22/2022	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		

PLAN — NOTE BOOK NO. — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. WAY CHECKED, CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD — BY — DATE

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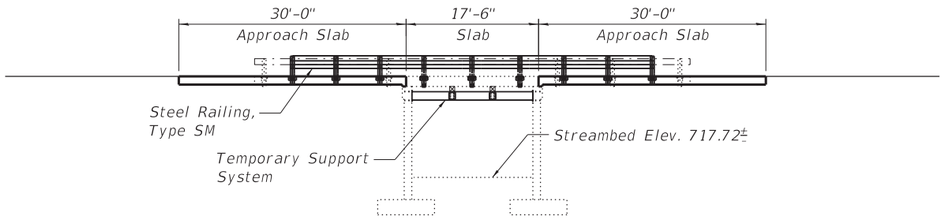
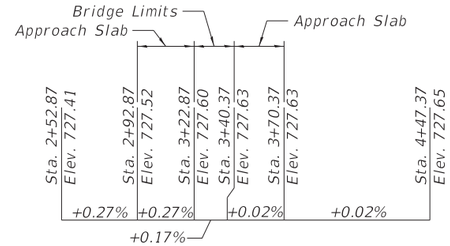
Benchmark: BM1–Square cut in top of abutment in Southeast part of bridge over Winfield Creek. Elevation 727.08

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.

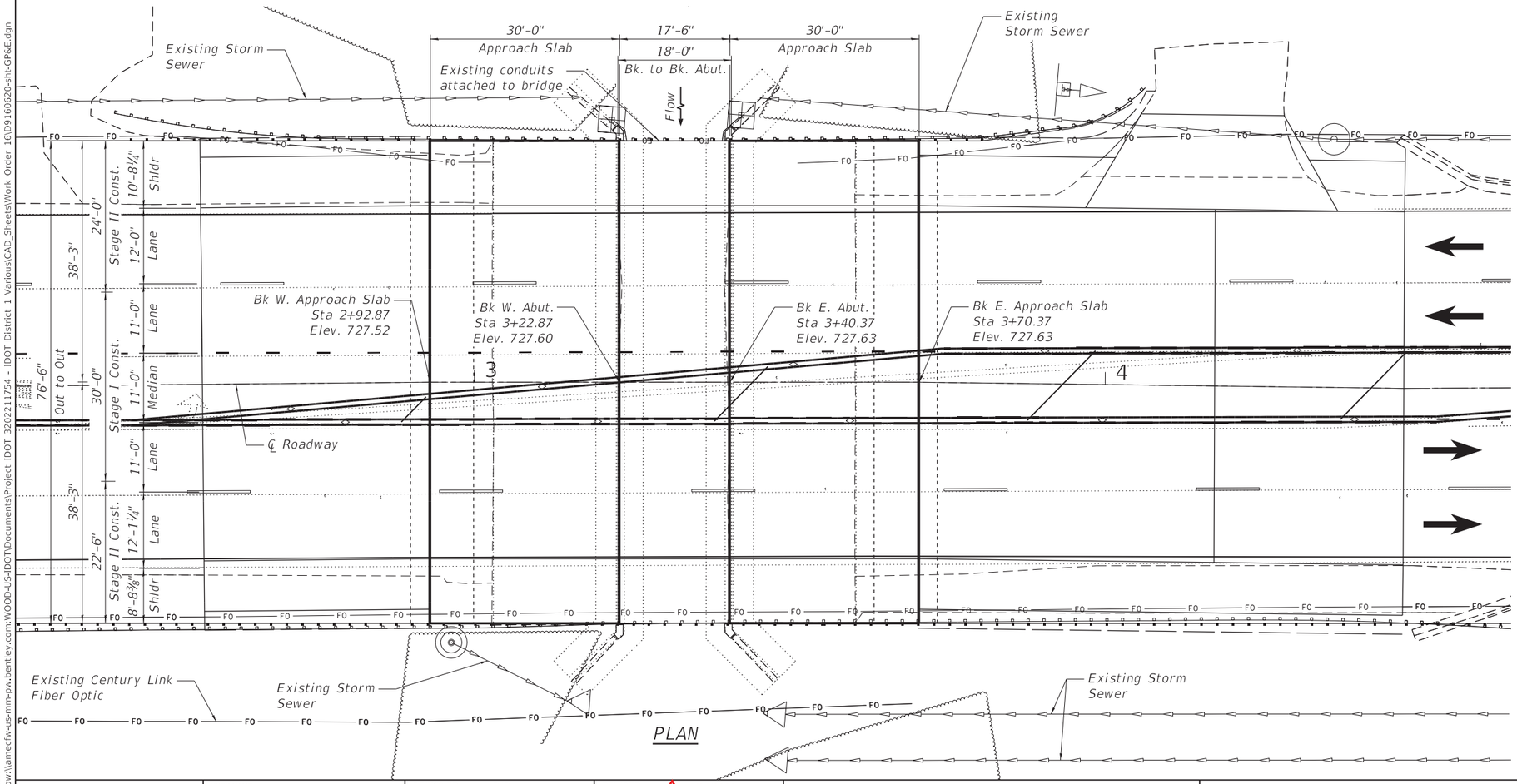
Traffic to be maintained utilizing staged construction.



ELEVATION



PROFILE GRADE



PLAN

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

f'c = 3,500 psi (Existing)
f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

1

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specificatons, 17th Edition

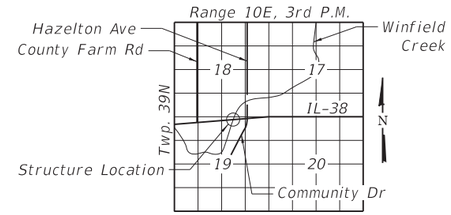
LOADING HS 20–44

No future wearing surface allowed.

LICENSED STRUCTURAL ENGINEER
WILLIAM P. MALINOWSKI
081-006059
STATE OF ILLINOIS

3/22/2023

WILLIAM P. MALINOWSKI Date
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

N

1 REVISED SHEET 5/26/2023

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PLOT SCALE =	DRAWN - GM	REVISED -	
PLOT DATE =	CHECKED - MGH	REVISED -	

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			

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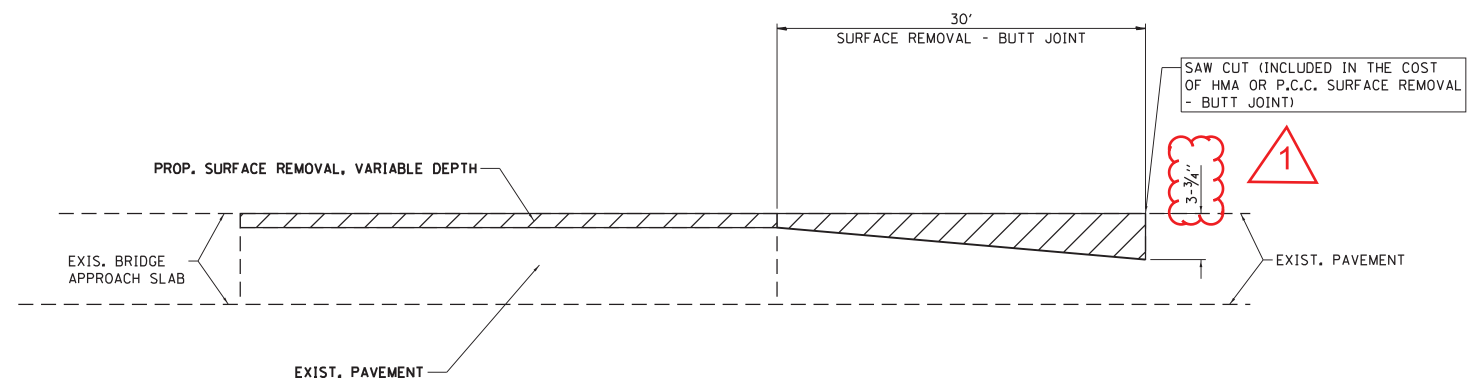
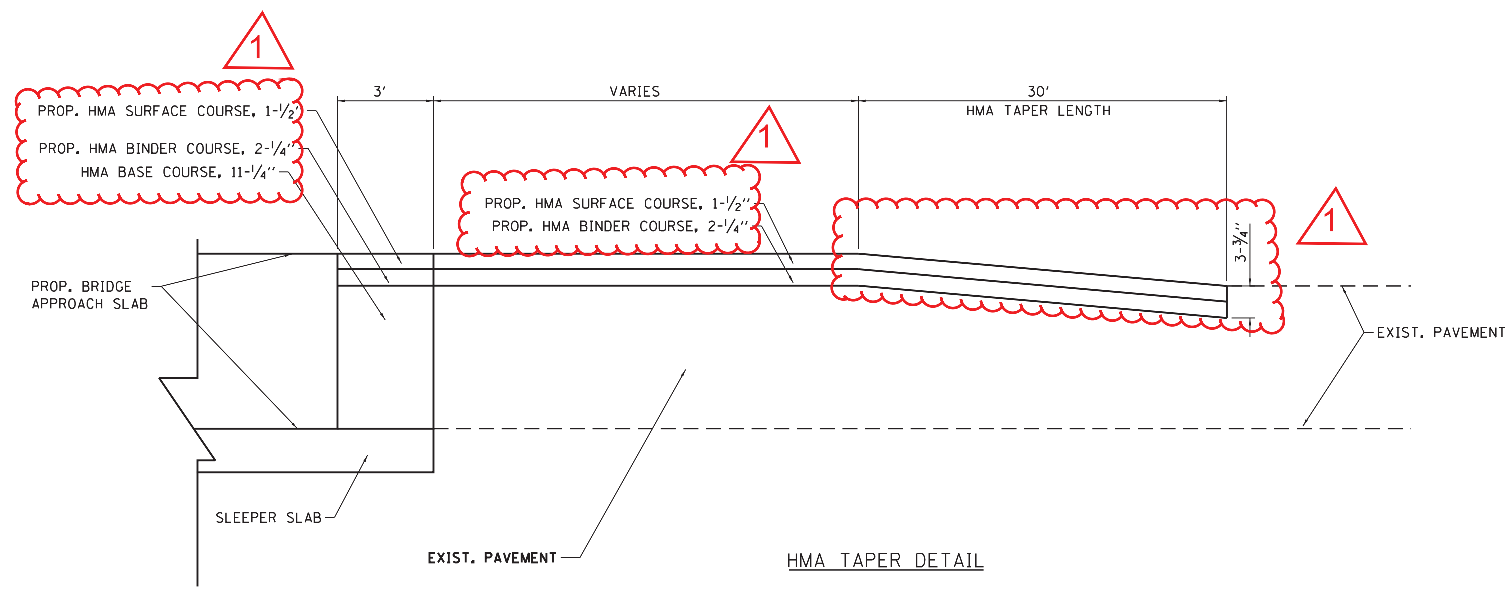


BUTT JOINT DETAIL



HMA TAPER DETAIL

PAVEMENT TRANSITION DETAIL

1 REVISED SHEET 5/26/2023

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		DRAWN - MM	REVISED -			347	FAP 0347 22 BJ2	DUPAGE	39 / 31
	PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -			CONTRACT NO. 62T16			
	PLOT DATE = 5/23/2023	DATE - 03/22/2023	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. - TO STA. -	ILLINOIS FED. AID PROJECT			

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