

08-02-2024 LETTING ITEM 019

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

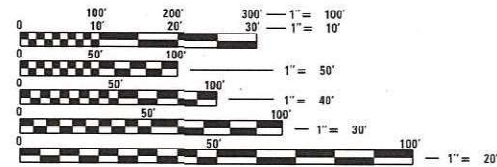
F.A.I. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	1
		ILLINOIS	CONTRACT NO. 64T21	

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-5 SUMMARY OF QUANTITIES
- 6-10 MAINTENANCE OF TRAFFIC PLANS
- 11-19 STRUCTURAL PLANS
- 20-23 WORK ZONE SIGN DETAILS (34.1)
- 24-27 TYPICAL PAVEMENT MARKINGS (41.1)
- 20 GUARDRAIL REFLECTORS, TYPE C (SPECIAL) (55.1)
- 29 GENERAL DETAILS

**HIGHWAY STANDARDS**

- 000001-08 STANDARDS SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMALS OF AN INCH AND OF A FOOT
- 606001-08 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701331-05 LANE CLOSURE, 2L, 2W, WITH RUN-AROUND, FOR SPEEDS ≥ 45 MPH
- 701400-12 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701406-13 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701901-09 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT



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.

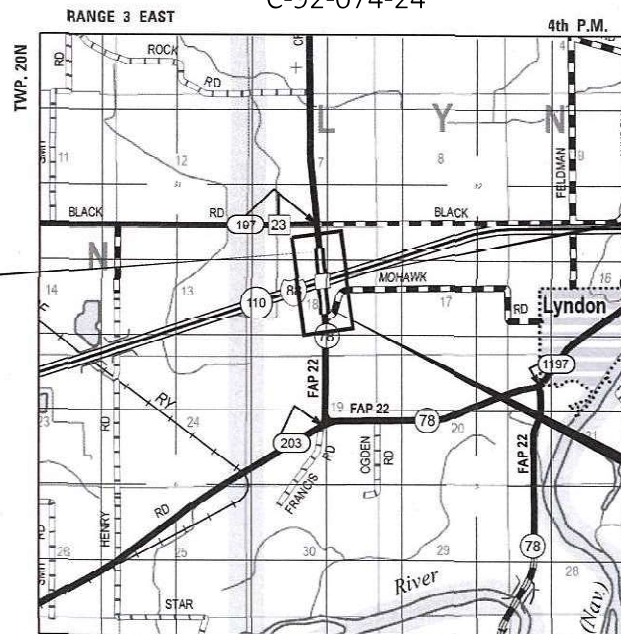
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-992-0123  
OR 811

PROJECT ENGINEER JAMES R PUSH, P.E.  
PROJECT MANAGER DERRICK LOPEZ, P.E.

CONTRACT NO. 64T21

**PROPOSED  
HIGHWAY PLANS**

FAI ROUTE 88 (I-88)  
SECTION (195-2HB)BDR  
P-92-089-24  
BRIDGE REPAIR OF STRUCTURE  
CARRYING IL 78 OVER  
F.A.I. 88 (INTERSTATE 88)  
WHITESIDE COUNTY  
NHPP-DV2R(596)  
C-92-074-24



IMPROVEMENTS BEGINS  
Sta. 288 + 17.76  
SECTION BEGINS  
Sta. 288 + 17.76

BRIDGE REPAIRS  
EXIST SN 098-0065

IMPROVEMENTS ENDS  
Sta. 291 + 27.60  
SECTION ENDS  
Sta. 291 + 27.60

GROSS LENGTH = 309.84 FT. = 0.059 MILES  
NET LENGTH = 309.84 FT. = 0.059 MILE



JAMES R. PUSH, P.E.  
LICENSE NO.: 062-048736  
EXPIRES: NOVEMBER 30, 2025  
DATE: 06/03/2024



**QUANDEL CONSULTANTS**  
161 NORTH CLARK STREET  
SUITE 2975  
CHICAGO, IL 60601  
312-634-6201  
DESIGN FIRM - PROF/STRUCT ENGINEER  
IL LIC. 184005283-0006

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
SUBMITTED June 5 2024  
John Johnson  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
June 28, 2024 Scott A. Etk  
ENGINEER OF DESIGN AND ENVIRONMENT  
June 28, 2024 Stephen McAnis  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**GENERAL NOTES**

1. TO HELP AVOID EXCESS DROP OFFS AT THE EDGE OF PAVEMENT, AGGREGATE SHOULDER MATERIAL OF THE TYPE SPECIFIED IN HE PLANS SHALL BE PLACED PRIOR TO ANY BITUMINOUS MATERIAL. THE AGGREGATE MATERIAL SHALL BE PLACED FLUSH WITH THE EXISTING PAVEMENT OR AT THE ELEVATION OF ANY PROPOSED MILLING. AT NO TIME SHALL THE EDGE OF THE AGGREGATE MATERIAL BE HIGHER THAN THE EXISTING EDGE OF PAVEMENT. THIS WORK SHALL BE PAID FOR BY THE TON FOR AGGREGATE SHOULDERS OF THE TYPE SPECIFIED.
2. THE STRUCTURE WILL RETAIN THE SAME NUMBER, SN 0098-0065.
3. THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS A MINIMUM OF 5 WORKING DAYS PRIOR TO PLACING PERMANENT PAVEMENT MARKING OR SIGNING
4. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
  - ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
  - ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
  - THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
  - CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
6. IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PRIOR TO WORK.
7. ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSING.
8. A TOPOGRAPHIC SURVEY WAS NOT CONDUCTED FOR EXISTING FACILITIES AND PROPOSED DESIGN WORK SHOWN IN THE PLANS. ALIGNMENTS, DIMENSIONS, AND ELEVATIONS SHOWN ARE BASED ON EXISTING RECORD DRAWINGS. THE CONTRACTOR WILL VERIFY EXISTING DIMENSIONS IN THE FIELD PRIOR TO THE REMOVAL OF EXISTING BRIDGE AND ROAD ITEMS.

**GENERAL NOTES - MAINTENANCE OF TRAFFIC**

1. MAINTENANCE OF TRAFFIC SHALL UTILIZE STANDARDS AS NOTED IN THE INDEX OF HIGHWAY STANDARDS ON THE COVER SHEET AND AS DETAILED IN THESE PLANS.
2. TEMPORARY PAVEMENT MARKINGS SHALL BE TAPE, TYPE IV.
3. EXISTING INLETS SHALL BE COVERED WITH A SUITABLE THICKNESS STEEL PLATE IN A MANNER APPROVED BY THE ENGINEER.
4. BARRIER WALL REFLECTORS, TYPE C SHALL BE 4" WIDE FLEXIBLE REFLECTORS CONFORMING TO SPEC BOOK ARTICLE 1097.02(c)(2).

GN-406H  
HMA MIXTURE REQUIREMENT TABLE

LOCATION(S):	SURFACE	SHOULDERS	
MIXTURE USE(S):	SURFACE	SURFACE	ALL LOWER LIFTS
BINDER GRADE (AC/PG):	PG 58-28	PG 58-28	PG 58-28
DESIGN AIR VOIDS:	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL 9.5, OR 9.5FG	IL-19.0
FRICTION AGGREGATE:	MIXTURE "D"	MIXTURE "D"	N/A
MIXTURE WEIGHT:	112 LB/SQ YD/IN	112 LB/SQ YD/IN	N/A
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS / SQ FT (ON PAVEMENT)
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS / SQ FT (FOG)
HOT-MIX ASPHALT MATERIAL	0.056 TON / SQ YD PER 1"
AGGREGATE MATERIAL	1.60 TONS / CU YD

MODEL: D:\data\FILE NAME: 84721-highways.dgn



USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**  
**IL 78 OVER INTERSTATE 88**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	2
CONTRACT NO. 64T21				
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				WHITESIDE COUNTY 90% FED / 10% STATE	
				ROADWAY	BRIDGE
				0005	0047
				RURAL	SN 098-0065
28000510	INLET FILTERS	EACH	2	2	0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	359	359	0
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	67	67	0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	85	85	0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	946	946	0
44003100	MEDIAN REMOVAL	SQ FT	2,838	2,838	0
50102400	CONCRETE REMOVAL	CU YD	0.4	0.0	0.4
52000005	PREFORMED JOINT SEAL 1"	FOOT	65	0	65
52000015	PREFORMED JOINT SEAL 1 1/2"	FOOT	64	0	64
59000200	EPOXY CRACK INJECTION	FOOT	173	0	173
60608700	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (ABUTTING EXISTING PAVEMENT)	FOOT	946	946	0
60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	2,838	2,838	0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	0
67100100	MOBILIZATION	L SUM	1	1	0

• DENOTES SPECIALTY ITEM

MODEL Path: \\...  
FILE NAME: 8721-HS-000\_01.dwg



USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SUMMARY OF QUANTITIES  
IL 78 OVER INTERSTATE 88**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	3
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				WHITESIDE COUNTY 90% FED / 10% STATE	
				ROADWAY	BRIDGE
				0005	0047
				RURAL	SN 098-0065
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	1	1	0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	0
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1	0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	8	8	0
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	0
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	5,258	5,258	0
• 72400205	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	0
• 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94	94	0
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,975	4,975	0
• 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	433	433	0
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,257	3,257	0
X0323491	SLOPE WALL CRACK SEALING	FOOT	210	0	210
X5017305	PROTECTIVE SHIELD (PERMANENT)	SQ YD	665	0	665

• DENOTES SPECIALTY ITEM

MODEL Path: \\...  
FILE NAME: 8721-414-S002\_01.dwg



USER NAME = jpush  
PLOT DATE = 6/3/2024

DESIGNED - JRP  
DRAWN - JRP  
CHECKED - JRP  
DATE - 06/03/2024

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SUMMARY OF QUANTITIES  
IL 78 OVER INTERSTATE 88**

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	4
			CONTRACT NO. 64T21	
		ILLINOIS	FED. AID PROJECT	

CONSTRUCTION CODE	
WHITESIDE COUNTY	
90% FED / 10% STATE	
ROADWAY	BRIDGE
0005	0047
RURAL	SN 098-0065

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0005	0047
				RURAL	SN 098-0065
* X7820007	GUARDRAIL REFLECTORS, TYPE C (SPECIAL)	EACH	16	0	16
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	711	0	711
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	276	0	276
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	18	0	18
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	34	0	34
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	221	0	221
Z0041895	POLYMER CONCRETE	CU FT	9.1	0.0	9.1
Z0065700	SLOPE WALL REPAIR	SQ YD	122	0	122
Z0065730	SLOPE WALL SLURRY PUMPING	CU YD	41	0	41

\* DENOTES SPECIALTY ITEM

MODEL Path: FILE NAME: RFT1-HS-500\_01.dwg



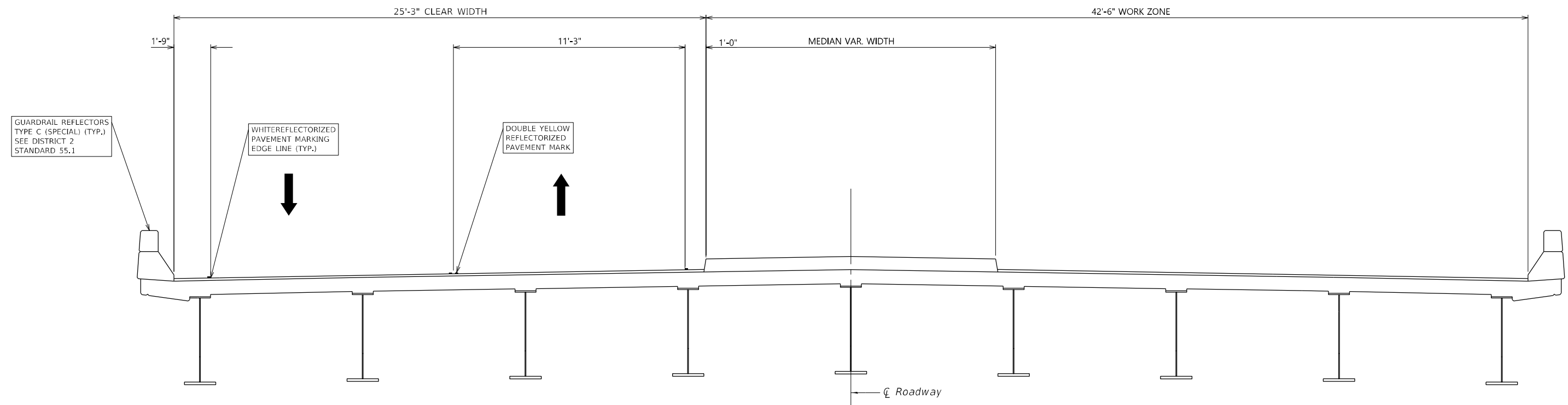
USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IL 78 OVER INTERSTATE 88**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	5
			CONTRACT NO. 64T21	
		ILLINOIS FED. AID PROJECT		



**STAGE I - TYPICAL SECTION**  
(Looking Upstation)

MODEL: 00 Sheet 1  
FILE NAME: 0624-StagingTypicalSection.dgn



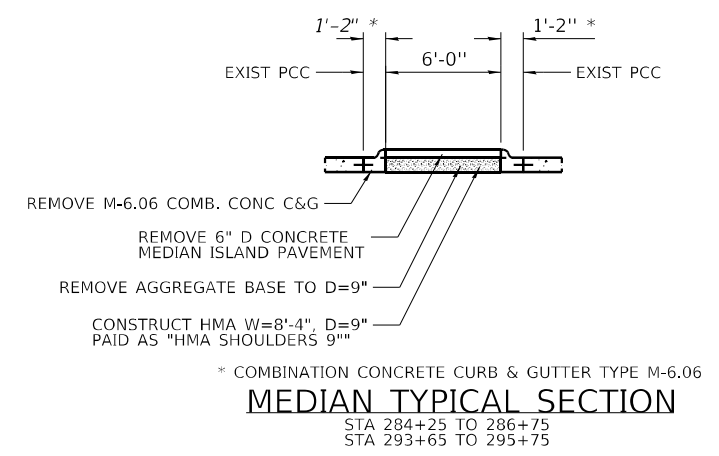
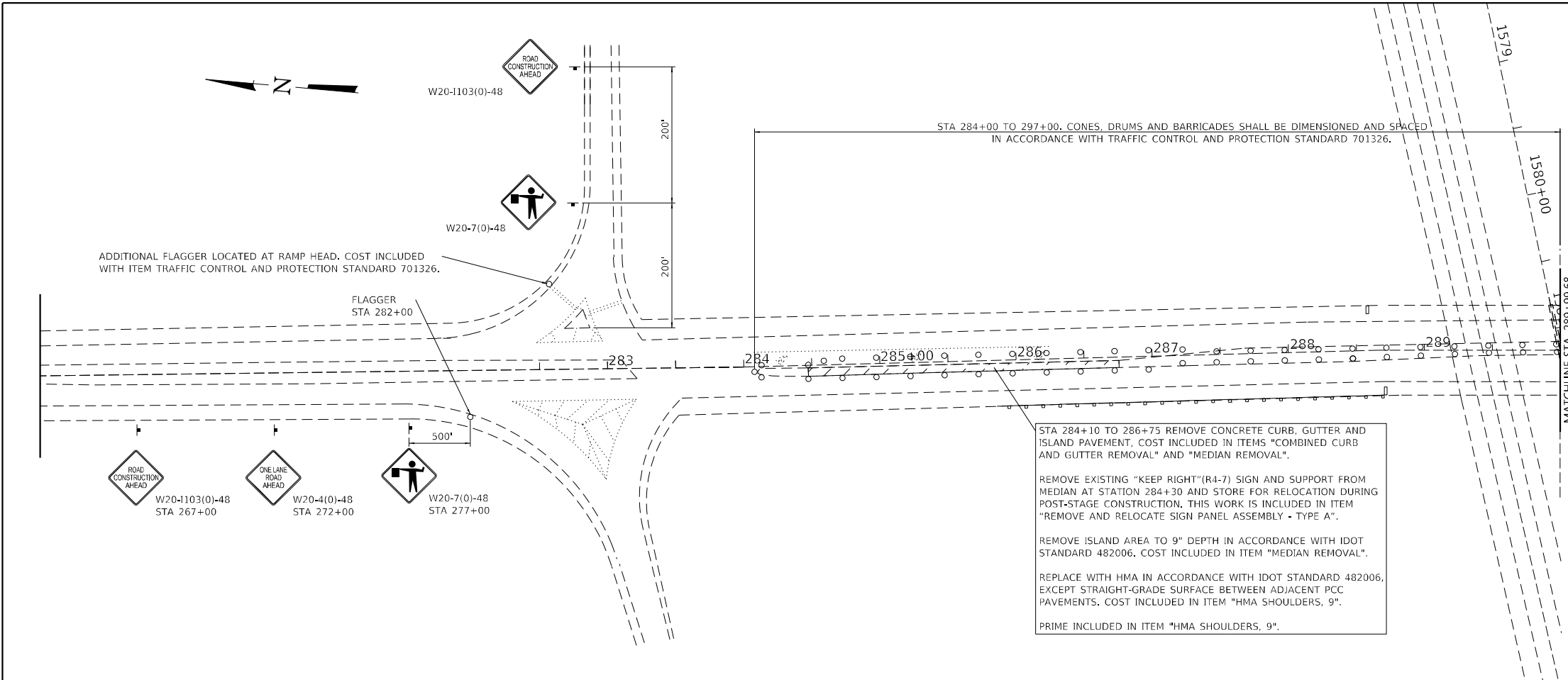
USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STAGING TYPICAL SECTION  
IL 78 OVER INTERSTATE 88**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	6
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				



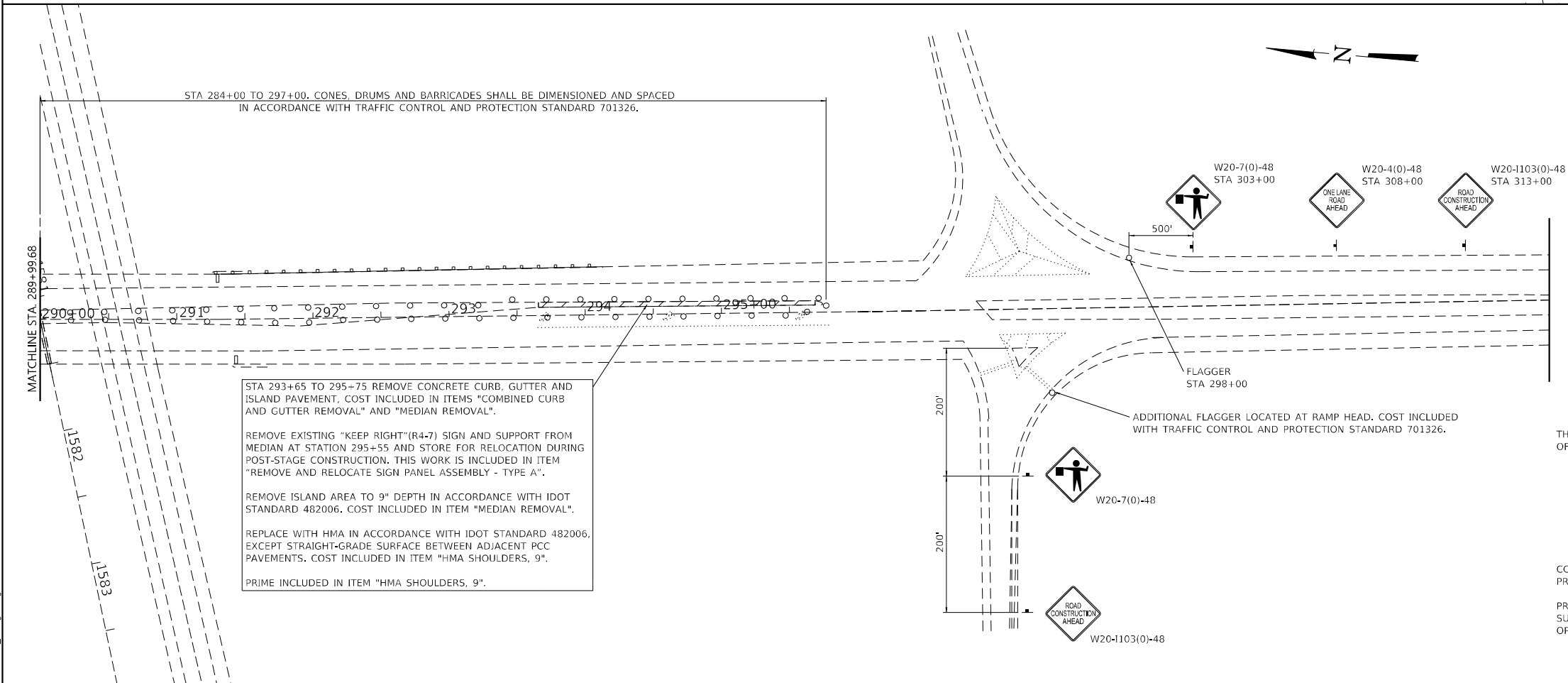
STA 284+10 TO 286+75 REMOVE CONCRETE CURB, GUTTER AND ISLAND PAVEMENT, COST INCLUDED IN ITEMS "COMBINED CURB AND GUTTER REMOVAL" AND "MEDIAN REMOVAL".

REMOVE EXISTING "KEEP RIGHT"(R4-7) SIGN AND SUPPORT FROM MEDIAN AT STATION 284+30 AND STORE FOR RELOCATION DURING POST-STAGE CONSTRUCTION. THIS WORK IS INCLUDED IN ITEM "REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A".

REMOVE ISLAND AREA TO 9" DEPTH IN ACCORDANCE WITH IDOT STANDARD 482006. COST INCLUDED IN ITEM "MEDIAN REMOVAL".

REPLACE WITH HMA IN ACCORDANCE WITH IDOT STANDARD 482006, EXCEPT STRAIGHT-GRADE SURFACE BETWEEN ADJACENT PCC PAVEMENTS. COST INCLUDED IN ITEM "HMA SHOULDERS, 9".

PRIME INCLUDED IN ITEM "HMA SHOULDERS, 9".



STA 293+65 TO 295+75 REMOVE CONCRETE CURB, GUTTER AND ISLAND PAVEMENT, COST INCLUDED IN ITEMS "COMBINED CURB AND GUTTER REMOVAL" AND "MEDIAN REMOVAL".

REMOVE EXISTING "KEEP RIGHT"(R4-7) SIGN AND SUPPORT FROM MEDIAN AT STATION 295+55 AND STORE FOR RELOCATION DURING POST-STAGE CONSTRUCTION. THIS WORK IS INCLUDED IN ITEM "REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A".

REMOVE ISLAND AREA TO 9" DEPTH IN ACCORDANCE WITH IDOT STANDARD 482006. COST INCLUDED IN ITEM "MEDIAN REMOVAL".

REPLACE WITH HMA IN ACCORDANCE WITH IDOT STANDARD 482006, EXCEPT STRAIGHT-GRADE SURFACE BETWEEN ADJACENT PCC PAVEMENTS. COST INCLUDED IN ITEM "HMA SHOULDERS, 9".

PRIME INCLUDED IN ITEM "HMA SHOULDERS, 9".

- THE FOLLOWING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AT THE END OF EACH WORKDAY:
- REMOVE ALL EQUIPMENT, MATERIAL AND DEBRIS FROM THE ORIGINAL TRAVEL LANES.
  - MOVE CONES, DRUMS AND BARRICADES FROM THE ORIGINAL TRAVEL LANES TO THE ORIGINAL ISLAND FOOTPRINT.
  - COVER OR OTHERWISE REMOVE VISIBILITY OF W20-7 (FLAGGER SYMBOL) AND W20-4 (ONE LANE ROAD AHEAD) SIGNS AT ALL CONSTRUCTION ZONE APPROACHES.
  - PROTECT INCOMPLETE WORK AREAS ADJACENT TO TRAVEL LANES IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701326.
  - RESTORE TRAFFIC TO ORIGINAL LANES AND DIRECTION.

COST OF THIS WORK SHALL BE INCLUDED IN THE ITEM TRAFFIC CONTROL AND PROTECTION STANDARD 701326.

PROTECT INCOMPLETE WORK AREAS IN ACCORDANCE WITH ITEM "TRAFFIC CONTROL SURVEILLANCE" DURING PERIODS WHEN CONTRACTOR IS NOT PERFORMING CONSTRUCTION OPERATIONS.

MODEL: 05 Sheet H  
FILE NAME: 072114HMOI\_PassSignP1.dwg



USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

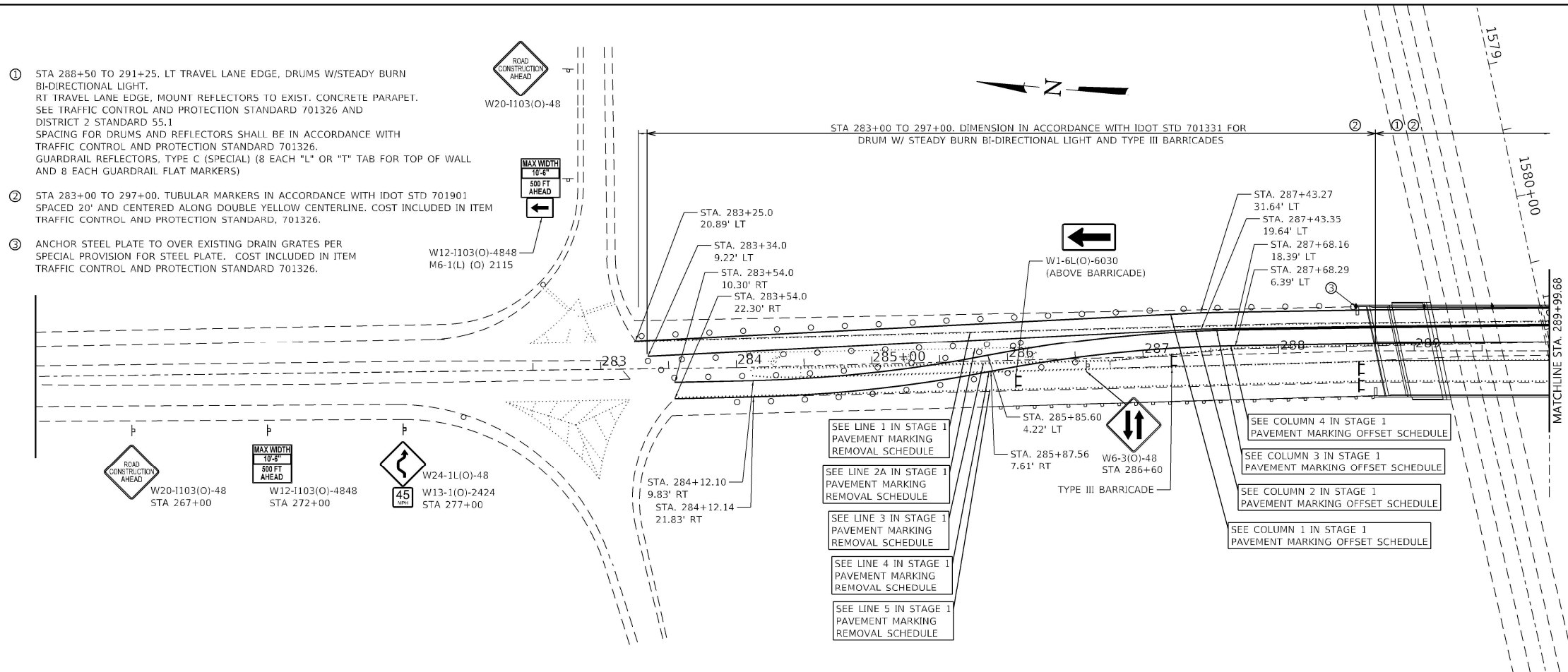
<b>MAINTENANCE OF TRAFFIC PRE-STAGE CONSTRUCTION IL 78 OVER INTERSTATE 88</b>			
SCALE:	SHEET 2	OF 5 SHEETS	STA. TO STA.

F.A.I. RTE. 88	SECTION (195-2HB)BDR	COUNTY WHITESIDE	TOTAL SHEETS 29	SHEET NO. 7
CONTRACT NO. 64T21				
ILLINOIS		FED. AID PROJECT		

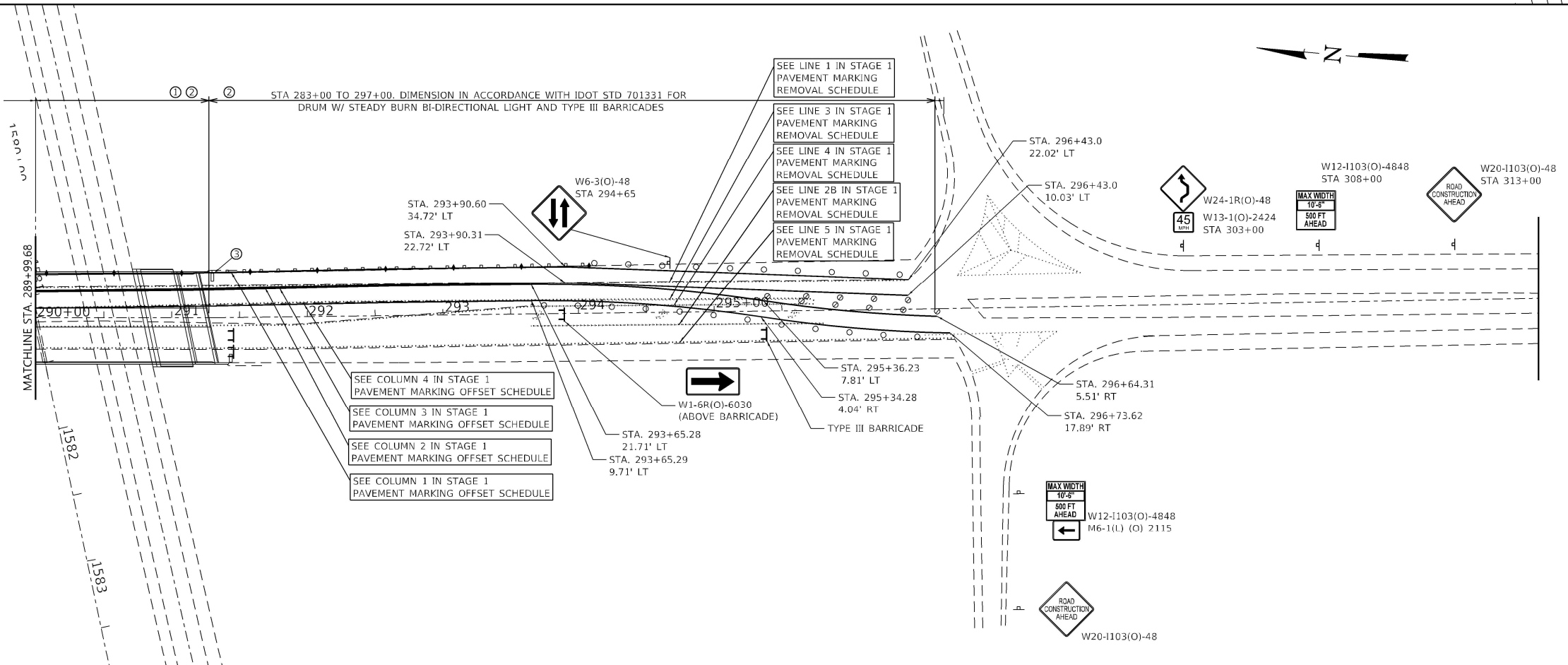
① STA 288+50 TO 291+25. LT TRAVEL LANE EDGE, DRUMS W/STEADY BURN BI-DIRECTIONAL LIGHT.  
RT TRAVEL LANE EDGE, MOUNT REFLECTORS TO EXIST. CONCRETE PARAPET.  
SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701326 AND DISTRICT 2 STANDARD 55.1  
SPACING FOR DRUMS AND REFLECTORS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701326.  
GUARDRAIL REFLECTORS, TYPE C (SPECIAL) (8 EACH "L" OR "T" TAB FOR TOP OF WALL AND 8 EACH GUARDRAIL FLAT MARKERS)

② STA 283+00 TO 297+00. TUBULAR MARKERS IN ACCORDANCE WITH IDOT STD 701901 SPACED 20' AND CENTERED ALONG DOUBLE YELLOW CENTERLINE. COST INCLUDED IN ITEM TRAFFIC CONTROL AND PROTECTION STANDARD, 701326.

③ ANCHOR STEEL PLATE TO OVER EXISTING DRAIN GRATES PER SPECIAL PROVISION FOR STEEL PLATE. COST INCLUDED IN ITEM TRAFFIC CONTROL AND PROTECTION STANDARD 701326.



LINE	DESCRIPTION	STA	STA	LENGTH (FT)	WIDTH (IN)	AREA (SF)
1	RT EDGE LINE (WHITE)	283+25.0	296+43.0	1318.0	4"	440
2A	TURN LANE (WHITE 6")	284+07.0	286+25.0	218.0	6"	109
3	CENTERLINE (YELLOW)	284+10.0	295+75.0	1165.0	4"	389
4	CENTERLINE (YELLOW)	284+10.0	287+00.0	290.0	4"	97
4	CENTERLINE (YELLOW)	293+50.0	295+75.0	225.0	4"	75
2B	TURN LANE (WHITE 6")	293+65.0	295+80.0	215.0	6"	108
5	RT EDGE LINE (WHITE)	283+54.0	287+00.0	346.0	4"	116
4	RT EDGE LINE (WHITE)	293+50.0	295+75.0	225.0	4"	75
	LT TURN ARROW	284+27.0			Large Size	15.6
	LT TURN ARROW	285+25.0			Large Size	15.6
	LT TURN ARROW	286+17.0			Large Size	15.6
	LT TURN ARROW	293+70.0			Large Size	15.6
	LT TURN ARROW	294+60.0			Large Size	15.6
	LT TURN ARROW	295+60.0			Large Size	15.6
<b>TOTAL</b>						<b>1663</b>



TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE					
STATION	LINE 1 OFFSET	LINE 2 OFFSET	LINE 3 OFFSET	LINE 4 OFFSET	
	COLOR	WHITE	YELLOW	YELLOW	WHITE
283+25.0	20.9' LT				
283+34.0		9.22' LT			
283+50.0	21.8' LT	9.80' LT			
283+54.0			10.30' RT	22.30' RT	
284+00.0	23.6' LT	11.6' LT	9.8' RT	21.8' RT	
284+50.0	24.8' LT	12.8' LT	9.3' RT	21.3' RT	
285+00.0	26.0' LT	14.0' LT	6.4' RT	18.4' RT	
285+50.0	27.1' LT	15.1' LT	1.1' RT	13.2' RT	
286+00.0	28.3' LT	16.3' LT	6.6' LT	5.6' RT	
286+50.0	28.5' LT	17.5' LT	12.9' LT	0.8' RT	
287+00.0	30.6' LT	18.6' LT	16.8' LT	4.8' RT	
287+50.0	31.8' LT	19.8' LT	18.4' LT	6.4' RT	
288+00.0	31.1' LT	19.1' LT	18.1' LT	6.1' RT	
288+50.0	30.6' LT	18.6' LT	17.6' LT	5.6' RT	
289+00.0	30.8' LT	18.8' LT	17.8' LT	5.8' RT	
289+50.0	31.3' LT	19.4' LT	18.4' LT	6.4' RT	
290+00.0	31.9' LT	19.9' LT	18.9' LT	6.9' RT	
290+50.0	32.4' LT	20.4' LT	19.4' LT	7.4' RT	
291+00.0	32.9' LT	21.0' LT	20.0' LT	8.0' RT	
291+50.0	33.6' LT	21.6' LT	20.6' LT	8.6' RT	
292+00.0	34.1' LT	22.1' LT	21.1' LT	9.1' RT	
292+50.0	34.6' LT	22.6' LT	21.6' LT	9.6' RT	
293+00.0	34.7' LT	22.7' LT	21.7' LT	9.7' RT	
293+50.0	34.7' LT	22.7' LT	21.7' LT	9.7' RT	
294+00.0	34.3' LT	22.2' LT	21.2' LT	9.1' RT	
294+50.0	31.8' LT	19.8' LT	18.3' LT	6.3' RT	
295+00.0	29.3' LT	17.3' LT	13.1' LT	1.0' RT	
295+50.0	26.9' LT	14.9' LT	5.6' LT	6.5' RT	
296+00.0	24.4' LT	12.4' LT	0.6' RT	12.7' RT	
296+43.0	22.3' LT	10.3' LT			
296+50.0			4.8' RT	16.8' RT	
296+64.3			5.5' RT		
296+73.6				17.8' RT	
LENGTH (FT)	1318	1309	1311	1320	

MODEL: 00 Sheet 11  
FILE NAME: 0725-114102\_S02.dwg



USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

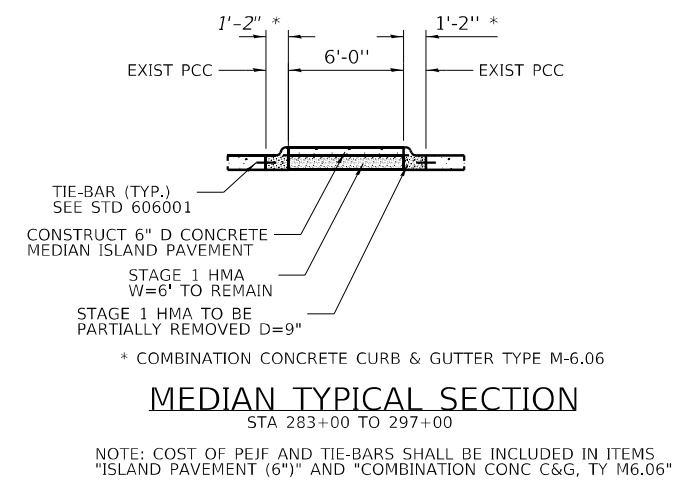
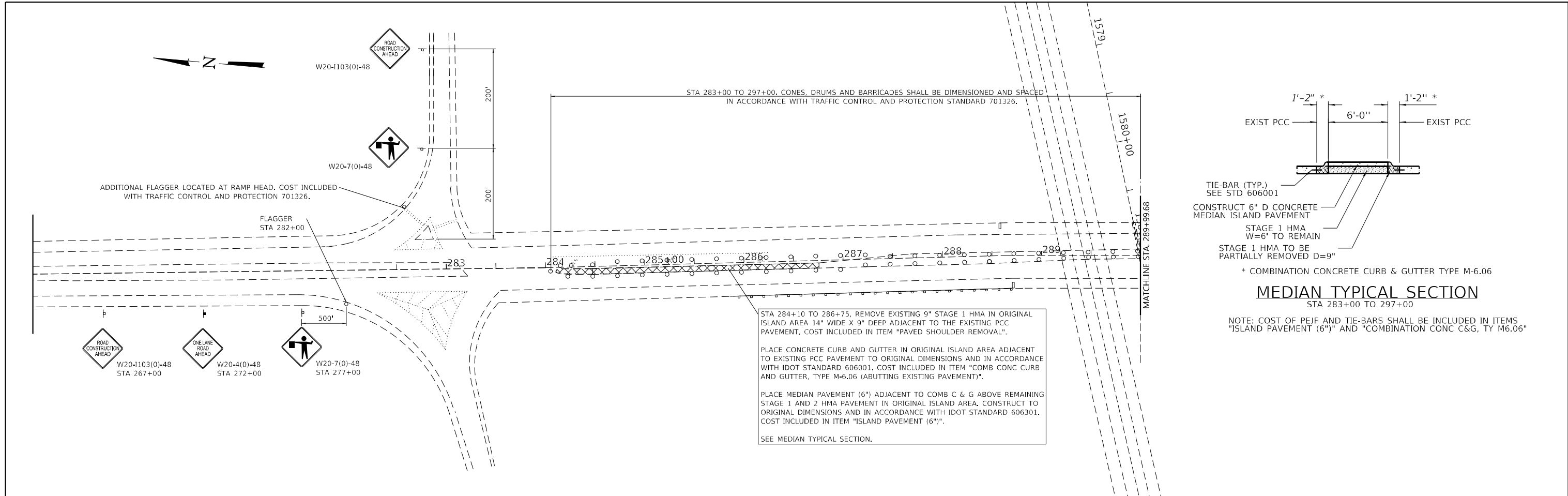
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN STAGE 1  
IL 78 OVER INTERSTATE 88**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE. 88	SECTION (195-2HB)BDR	COUNTY WHITESIDE	TOTAL SHEETS 29	SHEET NO. 8
CONTRACT NO. 64T21				
		ILLINOIS FED. AID PROJECT		



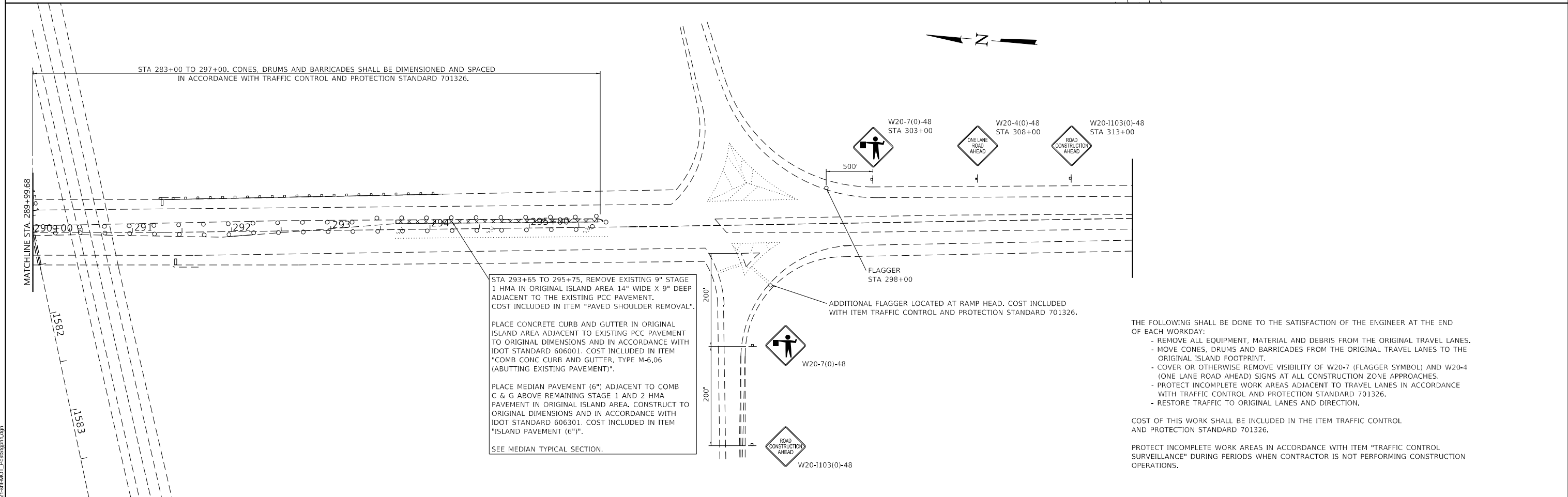


STA 284+10 TO 286+75, REMOVE EXISTING 9" STAGE 1 HMA IN ORIGINAL ISLAND AREA 14" WIDE X 9" DEEP ADJACENT TO THE EXISTING PCC PAVEMENT. COST INCLUDED IN ITEM "PAVED SHOULDER REMOVAL".

PLACE CONCRETE CURB AND GUTTER IN ORIGINAL ISLAND AREA ADJACENT TO EXISTING PCC PAVEMENT TO ORIGINAL DIMENSIONS AND IN ACCORDANCE WITH IDOT STANDARD 606001. COST INCLUDED IN ITEM "COMB CONC CURB AND GUTTER, TYPE M-6.06 (ABUTTING EXISTING PAVEMENT)".

PLACE MEDIAN PAVEMENT (6") ADJACENT TO COMB C & G ABOVE REMAINING STAGE 1 AND 2 HMA PAVEMENT IN ORIGINAL ISLAND AREA. CONSTRUCT TO ORIGINAL DIMENSIONS AND IN ACCORDANCE WITH IDOT STANDARD 606301. COST INCLUDED IN ITEM "ISLAND PAVEMENT (6")".

SEE MEDIAN TYPICAL SECTION.



STA 293+65 TO 295+75, REMOVE EXISTING 9" STAGE 1 HMA IN ORIGINAL ISLAND AREA 14" WIDE X 9" DEEP ADJACENT TO THE EXISTING PCC PAVEMENT. COST INCLUDED IN ITEM "PAVED SHOULDER REMOVAL".

PLACE CONCRETE CURB AND GUTTER IN ORIGINAL ISLAND AREA ADJACENT TO EXISTING PCC PAVEMENT TO ORIGINAL DIMENSIONS AND IN ACCORDANCE WITH IDOT STANDARD 606001. COST INCLUDED IN ITEM "COMB CONC CURB AND GUTTER, TYPE M-6.06 (ABUTTING EXISTING PAVEMENT)".

PLACE MEDIAN PAVEMENT (6") ADJACENT TO COMB C & G ABOVE REMAINING STAGE 1 AND 2 HMA PAVEMENT IN ORIGINAL ISLAND AREA. CONSTRUCT TO ORIGINAL DIMENSIONS AND IN ACCORDANCE WITH IDOT STANDARD 606301. COST INCLUDED IN ITEM "ISLAND PAVEMENT (6")".

SEE MEDIAN TYPICAL SECTION.

THE FOLLOWING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AT THE END OF EACH WORKDAY:

- REMOVE ALL EQUIPMENT, MATERIAL AND DEBRIS FROM THE ORIGINAL TRAVEL LANES.
- MOVE CONES, DRUMS AND BARRICADES FROM THE ORIGINAL TRAVEL LANES TO THE ORIGINAL ISLAND FOOTPRINT.
- COVER OR OTHERWISE REMOVE VISIBILITY OF W20-7 (FLAGGER SYMBOL) AND W20-4 (ONE LANE ROAD AHEAD) SIGNS AT ALL CONSTRUCTION ZONE APPROACHES.
- PROTECT INCOMPLETE WORK AREAS ADJACENT TO TRAVEL LANES IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701326.
- RESTORE TRAFFIC TO ORIGINAL LANES AND DIRECTION.

COST OF THIS WORK SHALL BE INCLUDED IN THE ITEM TRAFFIC CONTROL AND PROTECTION STANDARD 701326.

PROTECT INCOMPLETE WORK AREAS IN ACCORDANCE WITH ITEM "TRAFFIC CONTROL SURVEILLANCE" DURING PERIODS WHEN CONTRACTOR IS NOT PERFORMING CONSTRUCTION OPERATIONS.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN POST-STAGE CONSTRUCTION  
IL 78 OVER INTERSTATE 88

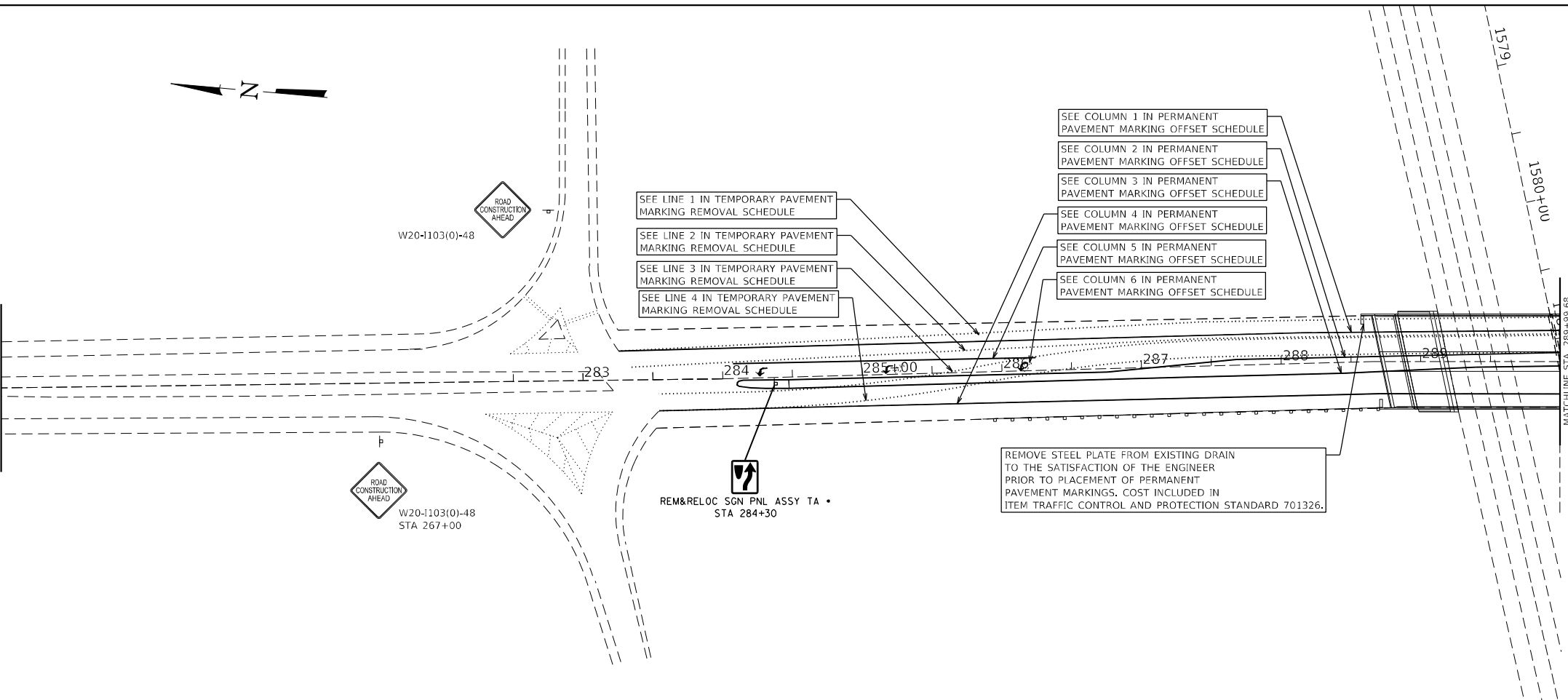
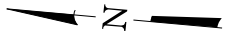
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	9
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				

USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

MODEL: 09 Sheet 4  
FILE NAME: 0721-114-MCT\_PlanSheet1.dgn



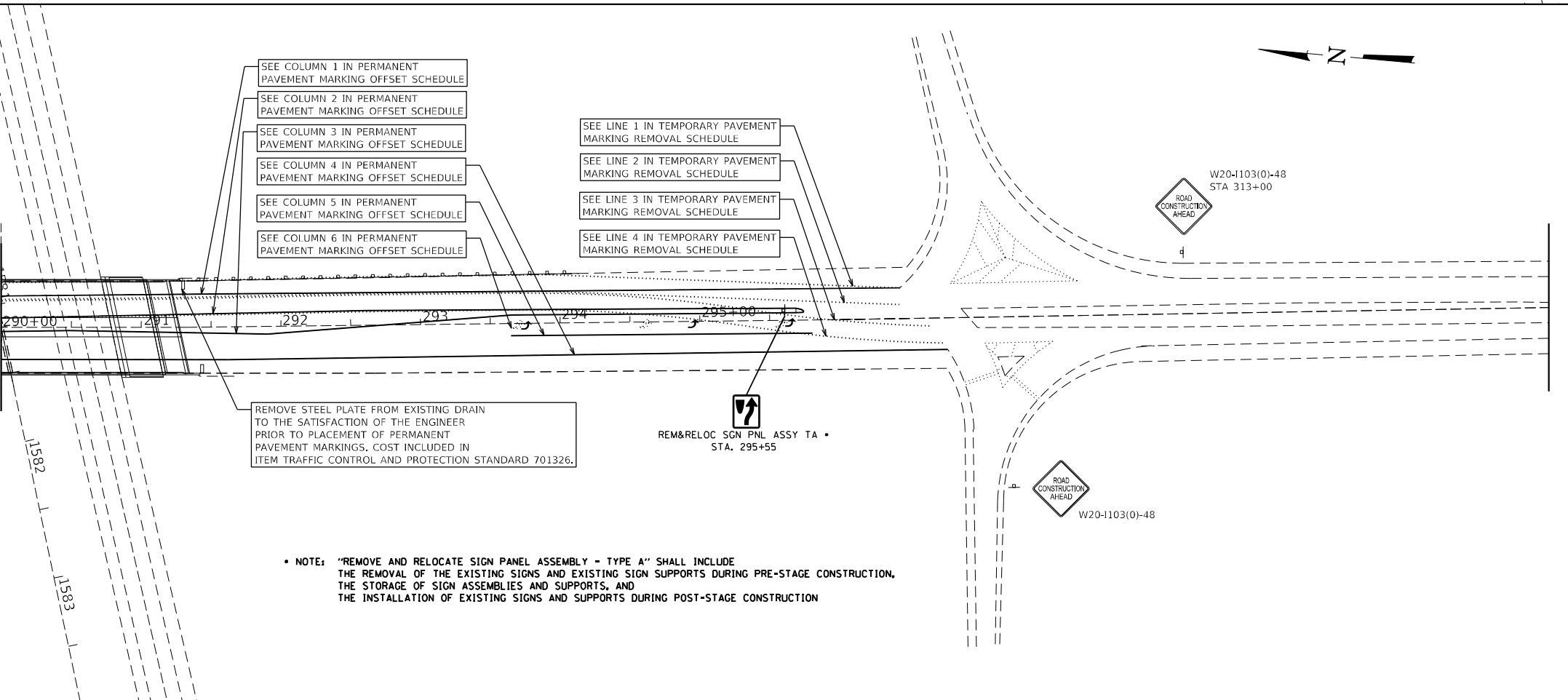


**TEMPORARY PAVEMENT MARKING REMOVAL - WATER BLASTING SCHEDULE**

LINE	DESCRIPTION	STA	STA	LENGTH (FT)	WIDTH (IN)	AREA (SF)
1	RT EDGELINE (WHITE)	283+25.0	296+43.0	1318.0	4"	440
2	CENTERLINE (YELLOW)	283+34.0	296+43.0	1309.0	4"	437
3	CENTERLINE (YELLOW)	283+54.0	296+64.3	1310.3	4"	437
4	RT EDGELINE (WHITE)	283+54.0	296+73.6	1319.6	4"	440
<b>TOTAL</b>						<b>1754</b>

**PERMANENT PAVEMENT MARKING OFFSET SCHEDULE**

STATION	4" RT EDGELINE	4" LT CENTERLINE	4" LT CENTERLINE	4" RT EDGELINE	8' LEFT TURN LANE	LEFT TURN ARROW
283+25.8	22.3' LT					
283+50.0	22.3' LT					
283+54.4	22.3' LT			22.3' RT		
284+00.0	22.3' LT			22.3' RT		
284+07.0	22.3' LT	1.7' RT		22.3' RT	10.3' LT	
284+10.5	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	
284+27.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	15.6 SQ FT
284+50.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	
285+00.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	
285+21.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	15.6 SQ FT
285+50.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	
286+00.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	
286+15.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	15.6 SQ FT
286+25.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT	10.3' LT	
286+50.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT		
286+75.0	22.3' LT	1.7' RT	10.3' RT	22.3' RT		
287+00.0	22.3' LT	3.1' LT	10.3' RT	22.3' RT		
287+50.0	22.3' LT	7.9' LT	10.3' RT	22.3' RT		
287+75.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
288+00.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
288+50.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
289+00.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
289+50.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
290+00.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
290+50.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
291+00.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
291+50.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
291+90.0	22.3' LT	10.3' LT	10.3' RT	22.3' RT		
292+00.0	22.3' LT	10.3' LT	9.6' RT	22.3' RT		
292+50.0	22.3' LT	10.3' LT	6.2' RT	22.3' RT		
293+00.0	22.3' LT	10.3' LT	2.8' RT	22.3' RT		
293+50.0	22.3' LT	10.3' LT	0.7' LT	22.3' RT		
293+65.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	
293+75.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	15.6 SQ FT
294+00.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	
294+50.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	
294+70.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	15.6 SQ FT
295+00.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	
295+50.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	
295+65.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	15.6 SQ FT
295+75.0	22.3' LT	10.3' LT	1.7' LT	22.3' RT	10.3' RT	
295+80.0	22.3' LT			22.3' RT	10.3' RT	
296+00.0	22.3' LT			22.3' RT		
296+44.0	22.3' LT			22.3' RT		
296+50.0				22.3' RT		
296+77.3				22.3' RT		
<b>TOTALS</b>	<b>1,319 FT</b>	<b>1,168 FT</b>	<b>1,165 FT</b>	<b>1,323 FT</b>	<b>433 FT</b>	<b>94</b>



• NOTE: "REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A" SHALL INCLUDE THE REMOVAL OF THE EXISTING SIGNS AND EXISTING SIGN SUPPORTS DURING PRE-STAGE CONSTRUCTION, THE STORAGE OF SIGN ASSEMBLIES AND SUPPORTS, AND THE INSTALLATION OF EXISTING SIGNS AND SUPPORTS DURING POST-STAGE CONSTRUCTION

MODEL: 00 Sheet: H  
FILE NAME: 072124-Chem Striping.dgn



USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PERMANENT STRIPING PLAN  
IL 78 OVER INTERSTATE 88**

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

F.A.I. RTE. 88	SECTION (195-2HB)BDR	COUNTY WHITESIDE	TOTAL SHEETS 29	SHEET NO. 10
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				

Existing Structure: SN 098-0065 was originally constructed in 1974 as a two-span, composite steel plate girder structure with cast-in-place concrete slab voided abutments, with length 255'-10" back-to-back of approach bents and a 68'-0" out-to-out reinforced concrete deck. The joints were replaced and the deck was patched circa 2002. In 2023 deck patching and HMA overlay replacement occurred in the Northbound Lane. The bridge is supported by vaulted stub abutments on concrete piles, approach bents on concrete piles, and a pier on a spread footing.

Salvage: None.

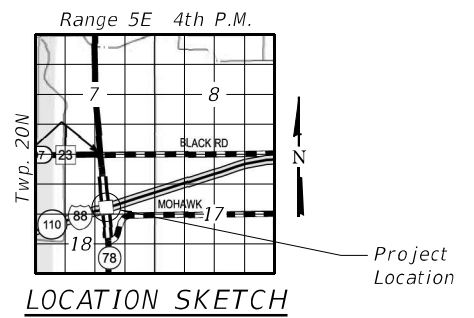
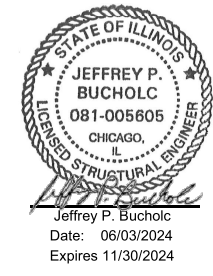
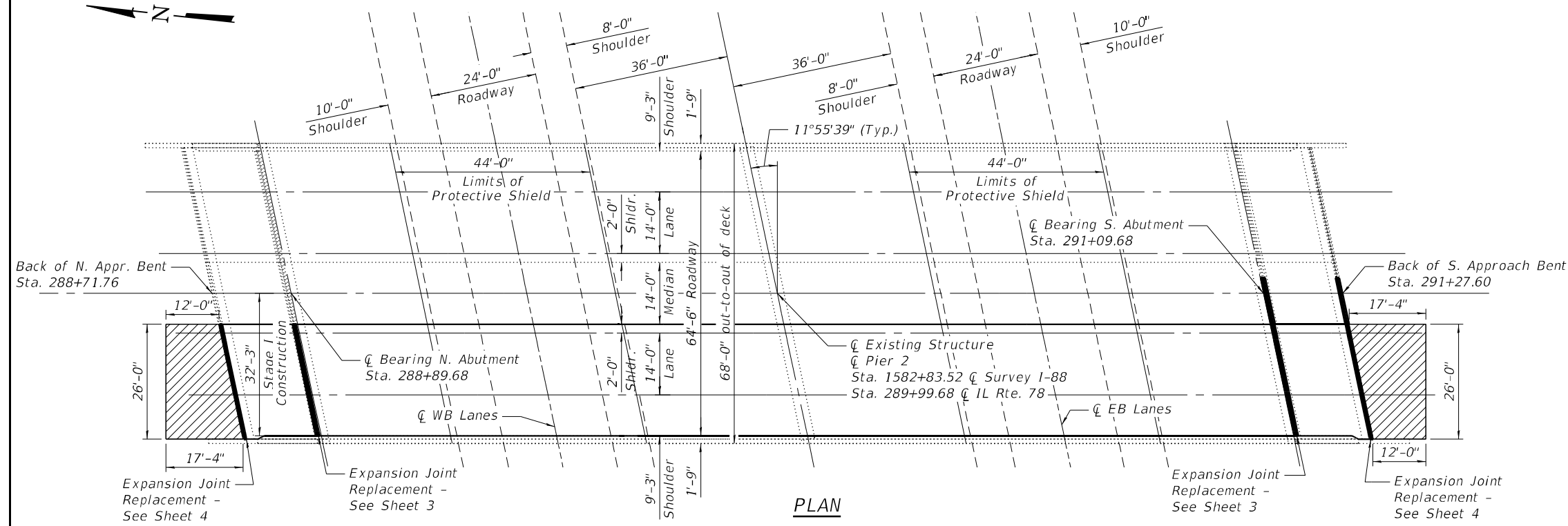
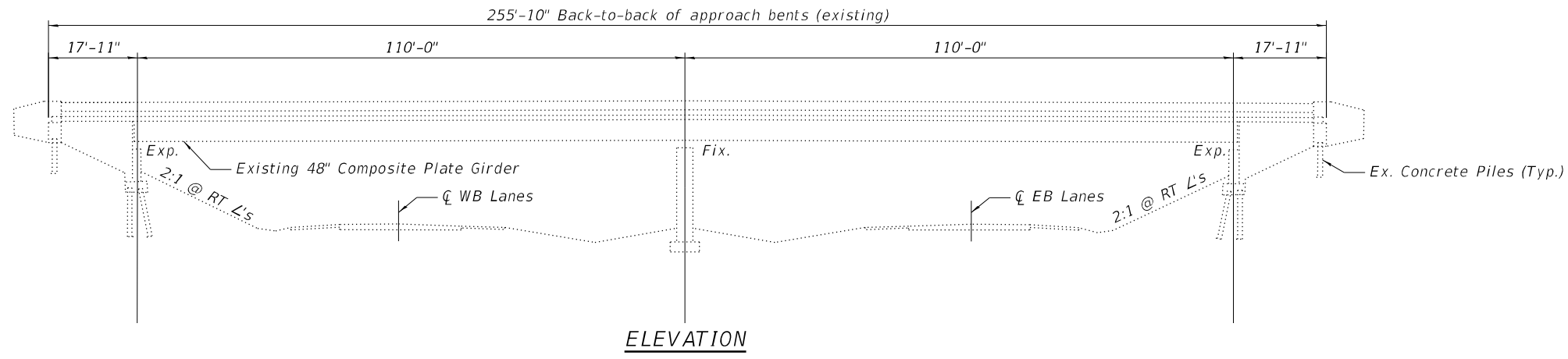
**DESIGN STRESSES**  
 Existing Structure (1974 Construction)  
 $f'_c = 1,400$  psi except as follows  
 $f'_c = 1,200$  psi for deck slab  
 $f_y = 20,000$  psi (Reinforcement)  
 $f_s = 20,000$  psi (Structural Steel)  
 Existing Structure (2002 Rehab)  
 $f_y = 60,000$  psi (Reinforcement)  
 New Construction  
 $f'_c = 4,000$  psi (Superstructure)  
 $f'_c = 3,500$  psi (Substructure)

**DESIGN SPECIFICATIONS**  
 2002 AASHTO Standard Specifications  
 for Highway Bridges, 17th Ed.

**LOADING HS20-44**

**INDEX OF SHEETS**

- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Superstructure Joint Replacement Details
- 4 - Joint Details
- 5 - Superstructure Typical Section
- 6 - Deck Slab Repairs
- 7 - Parapet Modifications
- 8 - Parapet Concrete Repair
- 9 - Abutment Repairs



**GENERAL PLAN & ELEVATION**  
**ILLINOIS ROUTE 78 OVER INTERSTATE 88**  
**F.A.I. 88 - SEC. (195-2HB)BDR**  
**WHITESIDE COUNTY**  
**STATION 1582+83.52**  
**STRUCTURE NO. 098-0065**

MODEL: Default  
 FILE NAME: 0980065-64T21-001-GPEL.dgn



USER NAME =	DESIGNED - JRT	REVISED -
CHECKED - JPB	REVISED -	
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
 STRUCTURE NO. 098-0065

SHEET 1 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	11
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. All heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications at ambient temperature other than 50°F.
4. All exposed concrete edges shall have a standard 3/4" chamfer unless noted otherwise.

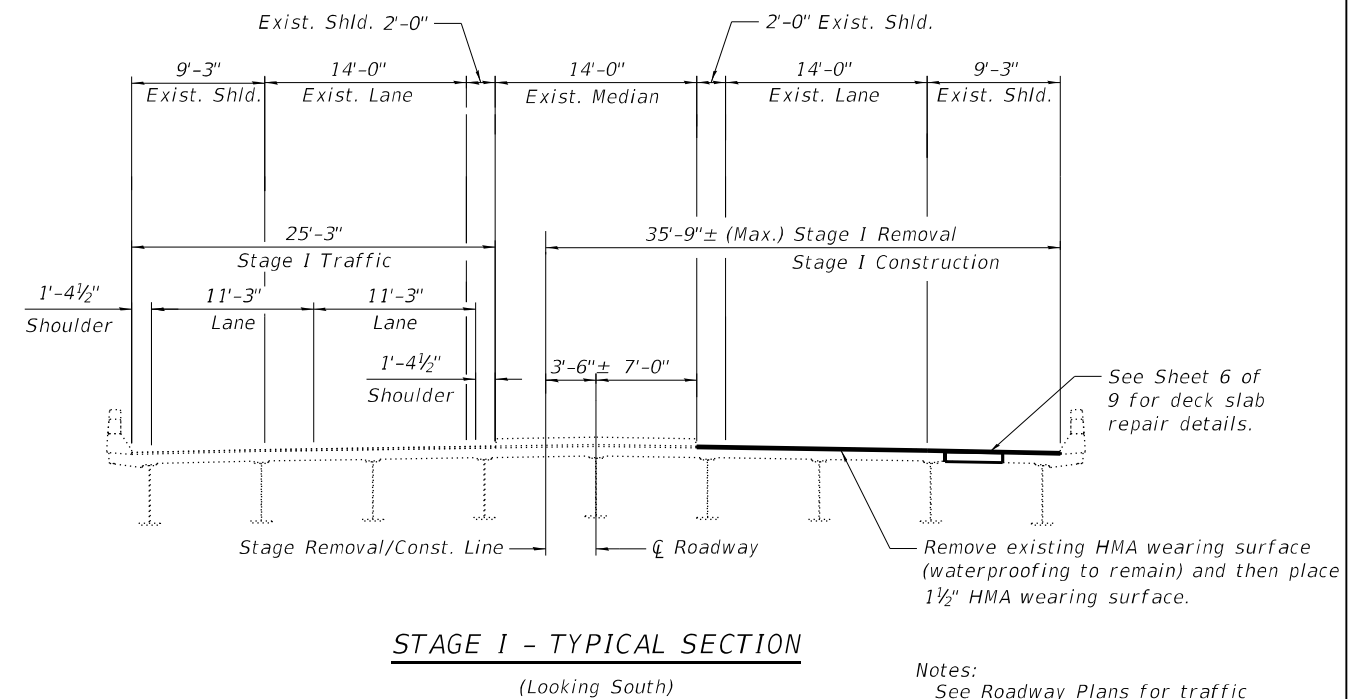
**SCOPE OF WORK**

To be completed under stage construction.

1. Remove existing polymer concrete nosing and expansion joint seals in the SB Lane and median as shown.
2. Remove existing HMA wearing surface and repair SB Lane deck at designated locations or as directed by the Engineer.
3. Reconstruct deck joints in the SB Lane at the Abutments and Approach Bents with polymer concrete and designated size of preformed joint seal.
4. Perform parapet repair at locations shown.
5. Install HMA wearing surface in the SB Lane.
6. Repair abutments and slopewall at designated locations or as directed by the Engineer.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Bituminous Materials (Tack Coat)	Pound	359		359
Hot-Mix Asphalt Surface Course, IL-9.5, Mix "D", N50	Ton	67		67
Concrete Removal	Cu. Yd.	0.4		0.4
Protective Shield (Permanent)	Sq. Yd.	665		665
Epoxy Crack Injection	Foot	173		173
Slope Wall Crack Sealing	Foot		210	210
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	711		711
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	148	128	276
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	18		18
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	34		34
Deck Slab Repair (Partial)	Sq. Yd.	221		221
Preformed Joint Seal 1"	Foot	65		65
Preformed Joint Seal 1½"	Foot	64		64
Polymer Concrete	Cu. Ft.	9.1		9.1
Slope Wall Repair	Sq. Yd.		122	122
Slope Wall Slurry Pumping	Cu. Yd.		41	41



MODEL: Default  
FILE NAME: 0980065-64T21-002-General Data.dgn



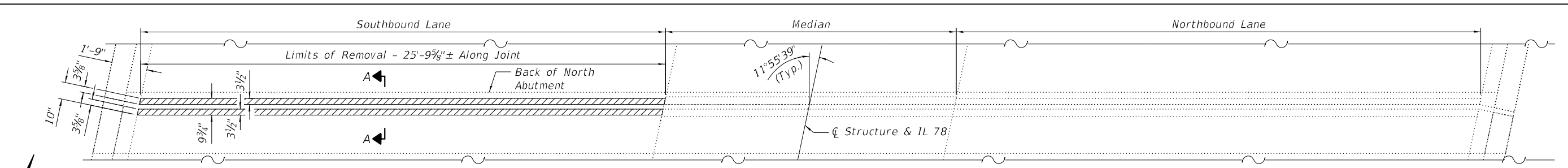
USER NAME =	DESIGNED - JRT	REVISED -
CHECKED - JPB	REVISED -	
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

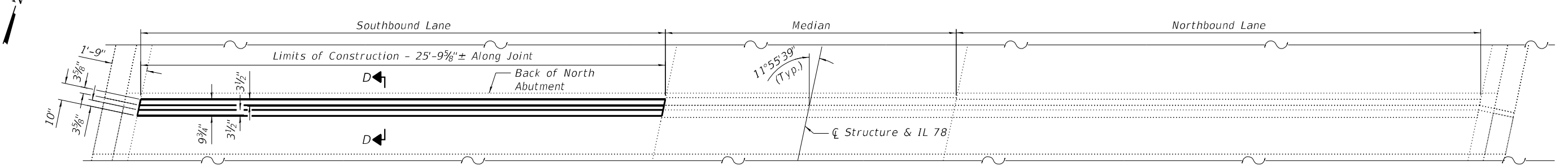
**GENERAL DATA  
STRUCTURE NO. 098-0065**

SHEET 2 OF 9 SHEETS

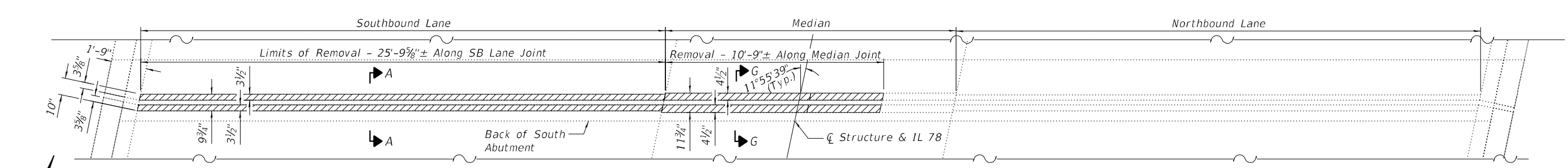
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	12
CONTRACT NO. 64T21				
		ILLINOIS	FED. AID PROJECT	



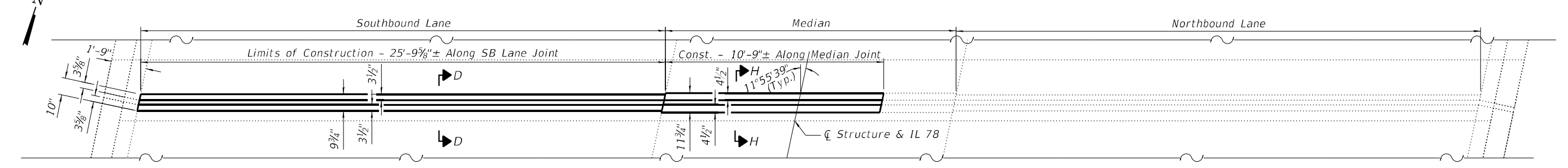
REMOVAL PLAN - NORTH ABUTMENT



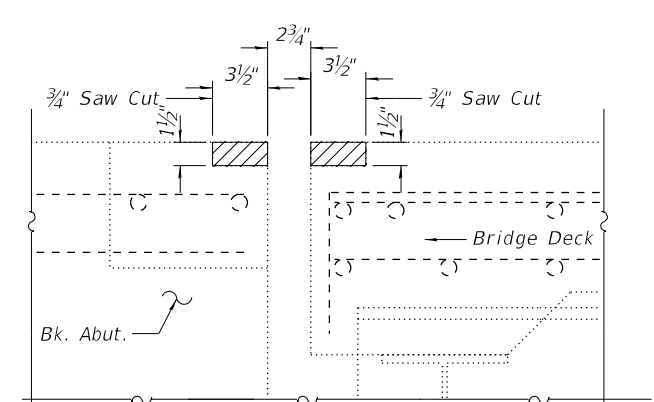
REPLACEMENT PLAN - NORTH ABUTMENT



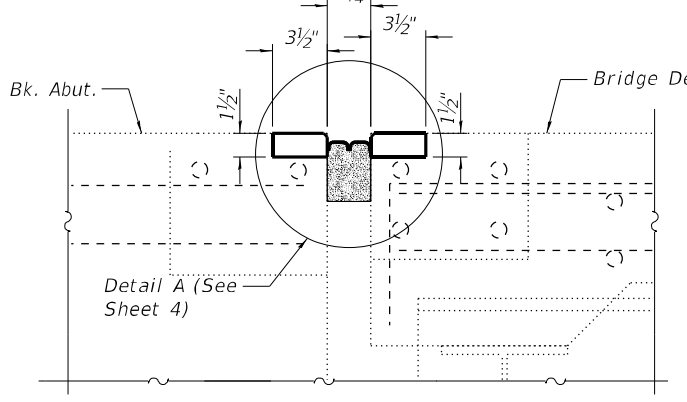
REMOVAL PLAN - SOUTH ABUTMENT



REPLACEMENT PLAN - SOUTH ABUTMENT



SECTION A-A - REMOVAL



SECTION D-D - CONSTRUCTION

LEGEND

Indicates Concrete Removal

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	0.4
Preformed Joint Seal 1"	Foot	65
Preformed Joint Seal 1 1/2"	Foot	64
Polymer Concrete	Cu. Ft.	9.1

Notes:  
 The Contractor shall use extreme care during concrete removal so as not to damage the existing steel beams. Any steel damaged during concrete removal operations shall be repaired at the Contractor's expense.  
 Removal of existing expansion joint and associated material shall not be paid for separately, but shall be included in the cost of Concrete Removal.  
 Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction.  
 Any reinforcement bars that are damaged during concrete removal operations shall be replaced at the Contractor's expense.  
 Stud shear connectors damaged during concrete removal operations shall be removed and replaced per Section 505 of the Standard Specifications at the Contractor's expense.  
 For Detail A and Sections G-G and H-H, see Sheet 4 of 9.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE JOINT REPLACEMENT DETAILS  
 STRUCTURE NO. 098-0065

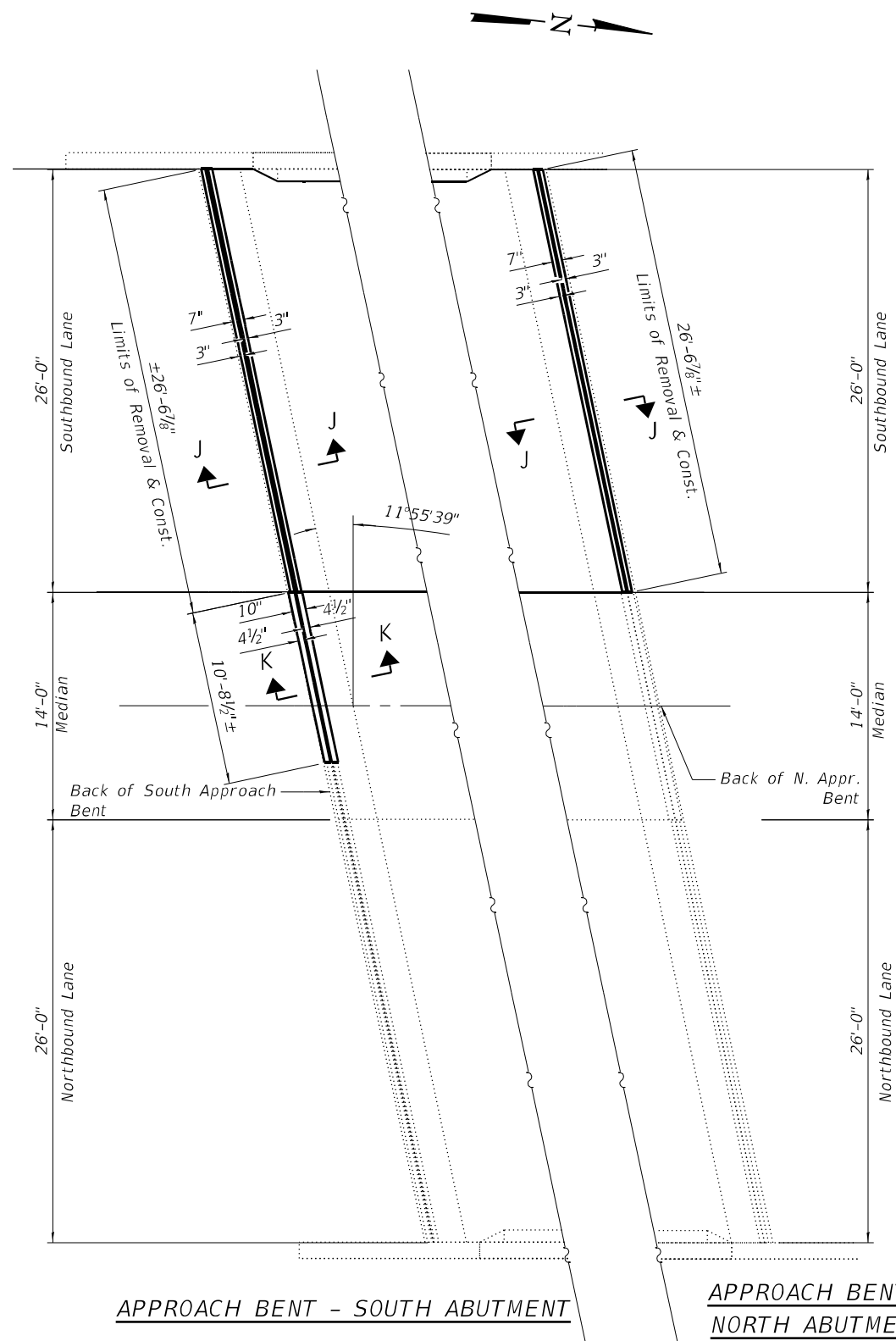
SHEET 3 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	13
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE NAME: 0980065-64T21-003-SuperstructureJointReplacementDetails.dgn  
 6/3/2024 1:06:49 PM

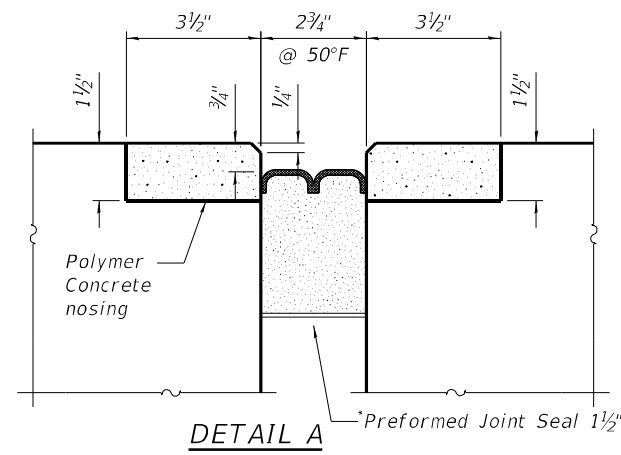


USER NAME =	DESIGNED - JRT	REVISED -
PLOT SCALE =	CHECKED - JPB	REVISED -
PLOT DATE =	DRAWN - JRT	REVISED -
	CHECKED - JPB	REVISED -

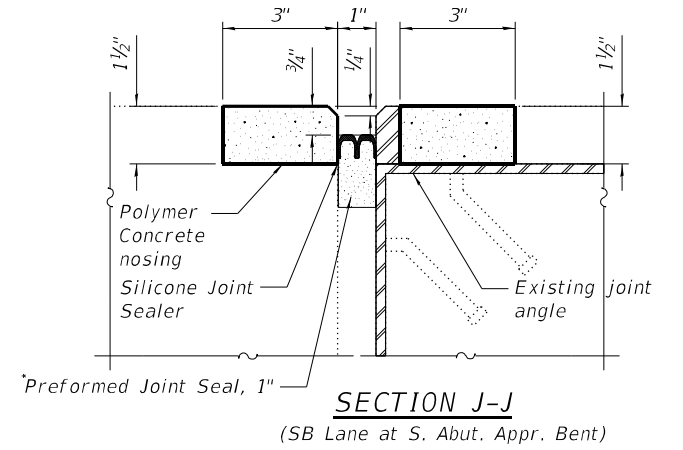


**APPROACH BENT - SOUTH ABUTMENT**

**APPROACH BENT - NORTH ABUTMENT**

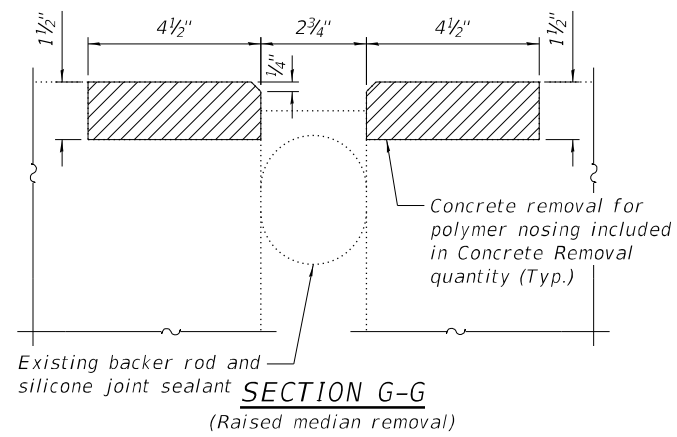


**DETAIL A**



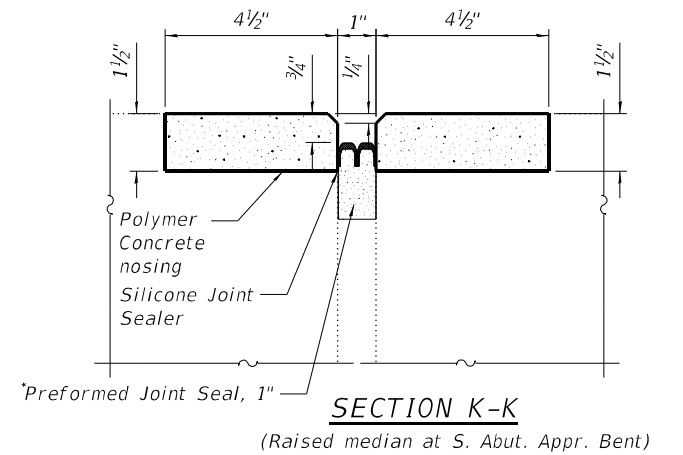
**SECTION J-J**

(SB Lane at S. Abut. Appr. Bent)



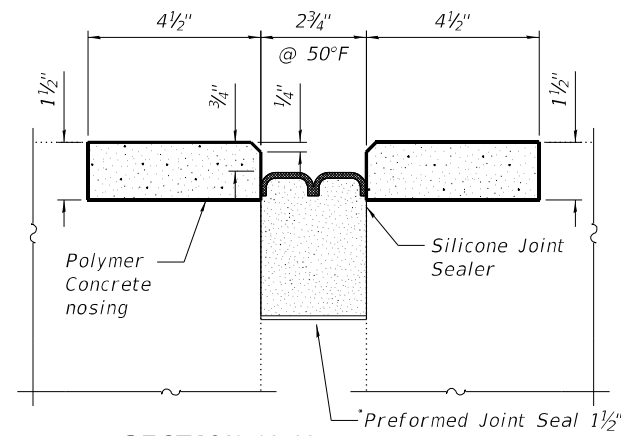
**SECTION G-G**

(Raised median removal)



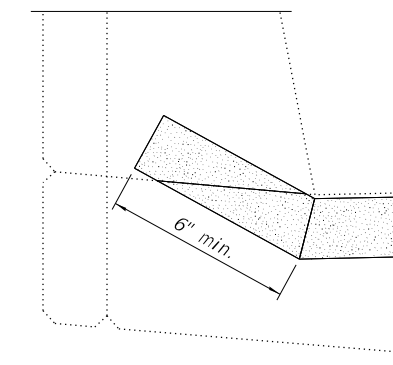
**SECTION K-K**

(Raised median at S. Abut. Appr. Bent)



**SECTION H-H**

(Raised median at S. Abut. Joint)



**TYPICAL PARAPET CROSS-SECTION:  
JOINT SEALER END TREATMENT**

Note:  
Removal of the existing expansion joint material shall be included in the cost of Preformed Joint Seal.

**LEGEND**

- Concrete removal
- Polymer Concrete
- Preformed Joint Seal
- Joint Seals shall be Preformed Pre-Compressed Silicon Coated Self-Expanding Sealant System

**APPROACH BENT JOINT REPLACEMENT PLAN**  
(End of vaulted abutments)

MODEL: Default  
FILE NAME: 0980065-64T21-004-jointDetails.dgn



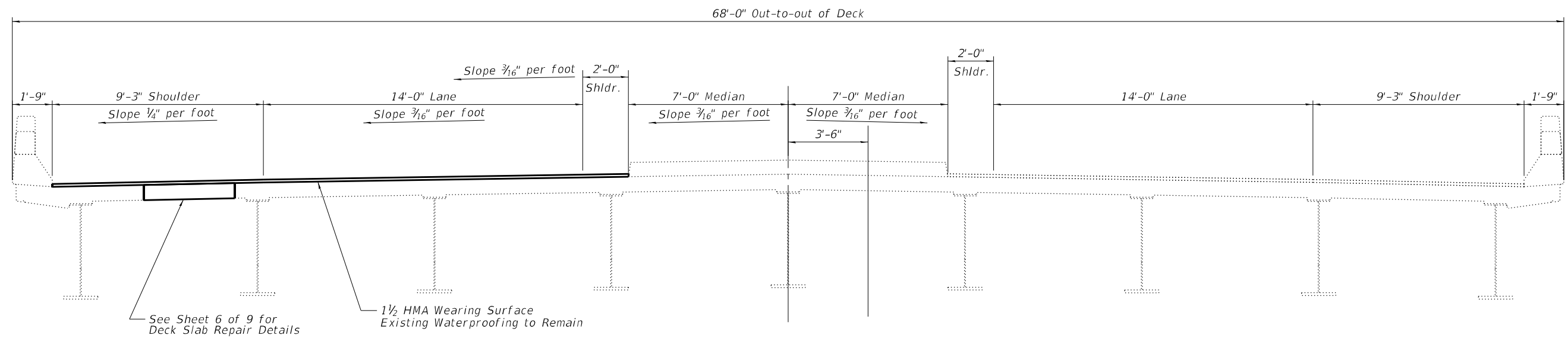
USER NAME =	DESIGNED - JRT	REVISED -
CHECKED - JPB	REVISED -	
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

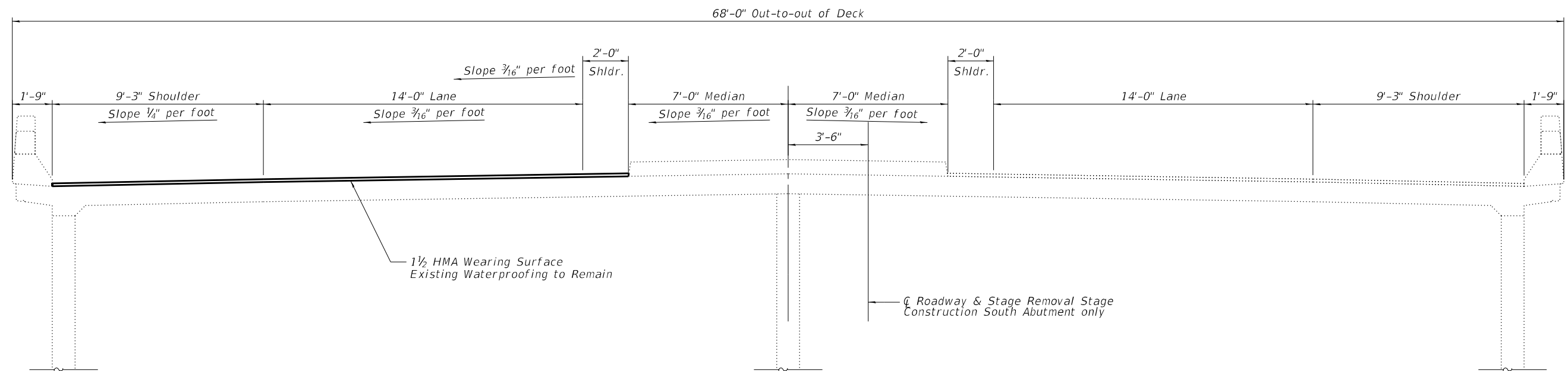
**JOINT DETAILS  
STRUCTURE NO. 098-0065**

SHEET 4 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	14
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				



**MAIN SPANS - SUPERSTRUCTURE TYPICAL SECTION**  
(Looking North)



**VAULTED APPROACH SPANS - SUPERSTRUCTURE TYPICAL SECTION**  
(Looking North)

Note:  
See Roadway Plans for additional wearing surface details.

MODEL: Default  
FILE NAME: 0980065-64T21-005-SuperstructureTypicalSection.dgn



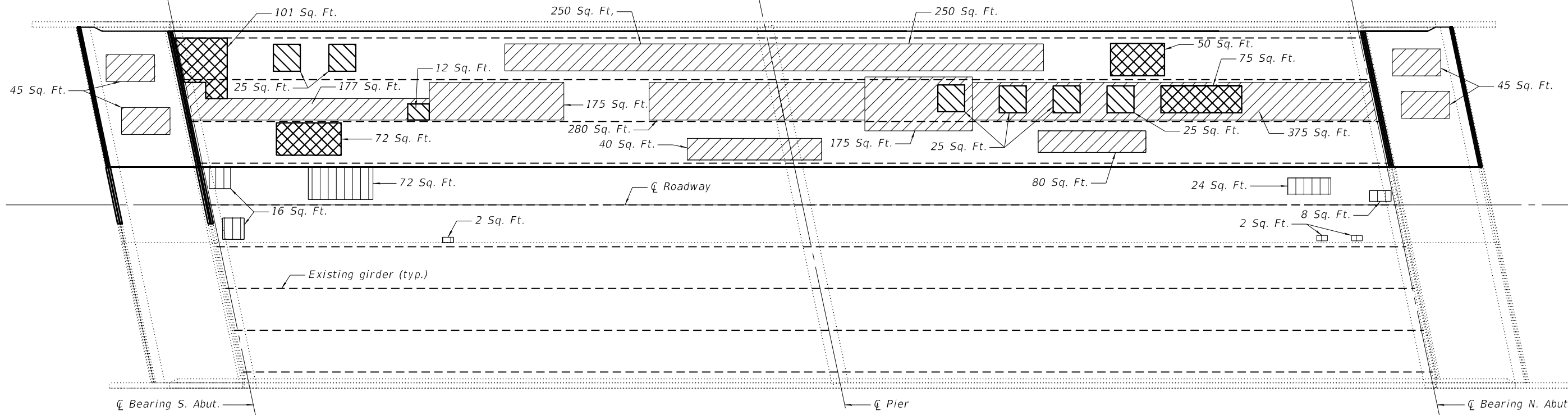
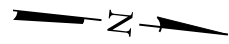
USER NAME =	DESIGNED - JRT	REVISED -
	CHECKED - JPB	REVISED -
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE TYPICAL SECTION  
STRUCTURE NO. 098-0065

SHEET 5 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	15
CONTRACT NO. 64T21				
		ILLINOIS	FED. AID PROJECT	



PLAN VIEW

**LEGEND**

- Deck Slab Repair (Partial)
- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)
- Structure Repair of Concrete < 5" (on Raised Median)

Note: Quantity shown in the Bill of Material for Deck Slab Repair (Partial) is an estimate based on existing conditions at the time of the estimate. Final quantities and locations shall be determined by the Engineer in the field.

**BILL OF MATERIAL**

Item	Unit	Total
Deck Slab Repair (Partial)	Sq. Yd.	221
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	18
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	34
Structure Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Yd.	142

MODEL: Default  
FILE NAME: 0980065-64T21-006-DeckSlabRepairs.dgn



USER NAME =	DESIGNED - JRT	REVISED -
	CHECKED - JPB	REVISED -
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

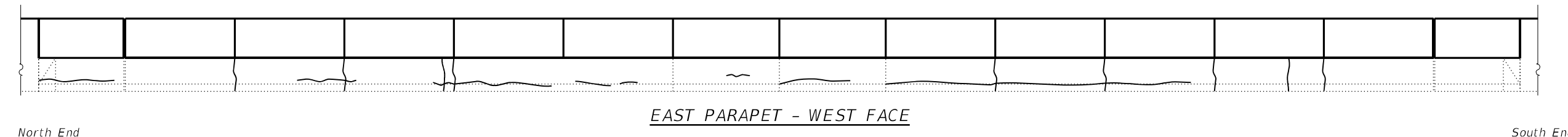
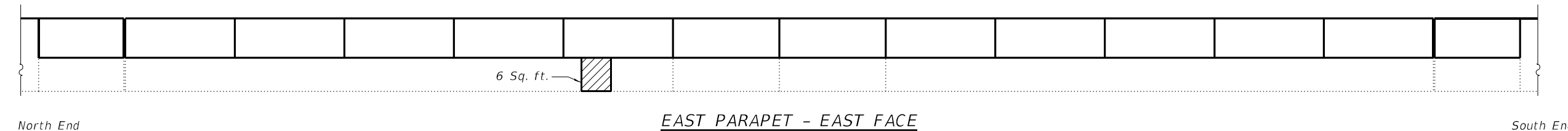
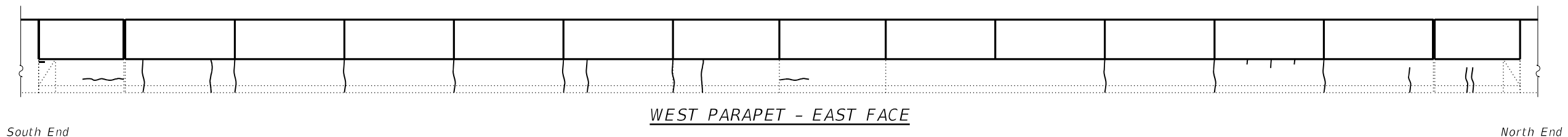
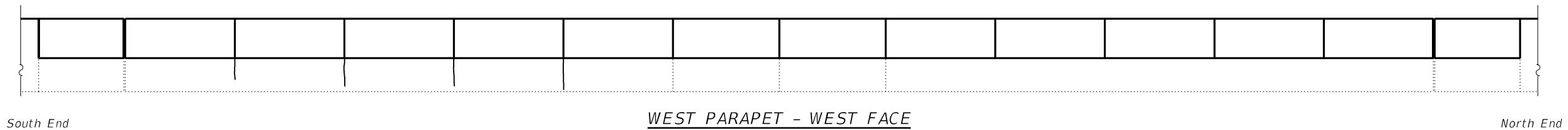
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIRS  
STRUCTURE NO. 098-0065**

SHEET 6 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	16
CONTRACT NO. 64T21				
		ILLINOIS	FED. AID PROJECT	





*Note:*  
 Quantities of Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) and Epoxy Crack Injection are an estimate based on existing conditions at the time of the field visit (April 2024). Final quantities shall be determined by the Engineer in the field.

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)
- Epoxy Crack Injection

**BILL OF MATERIAL**

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	6
Epoxy Crack Injection	Foot	173

MODEL: Default  
FILE NAME: 0980065-64T21-007-Parapet\_Repairs.dgn



USER NAME =	DESIGNED - JRT	REVISED -
	CHECKED - JPB	REVISED -
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

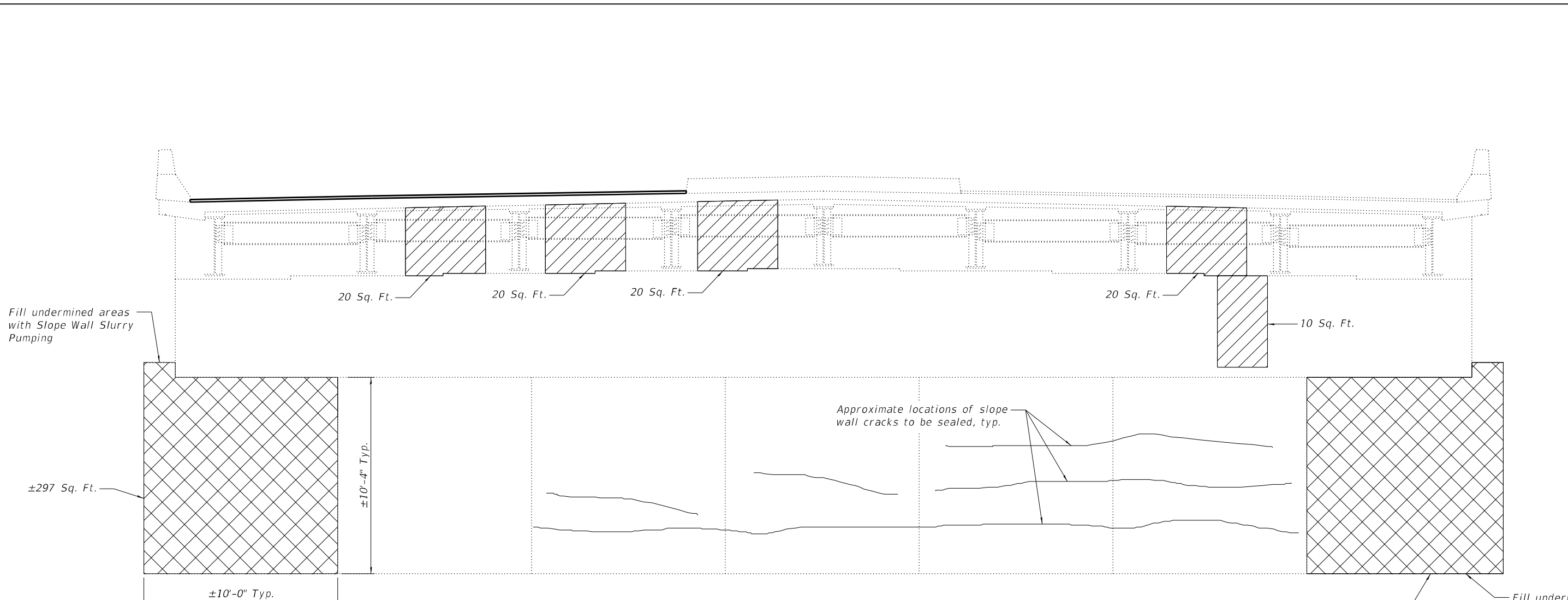
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PARAPET CONCRETE REPAIR  
 STRUCTURE NO. 098-0065**

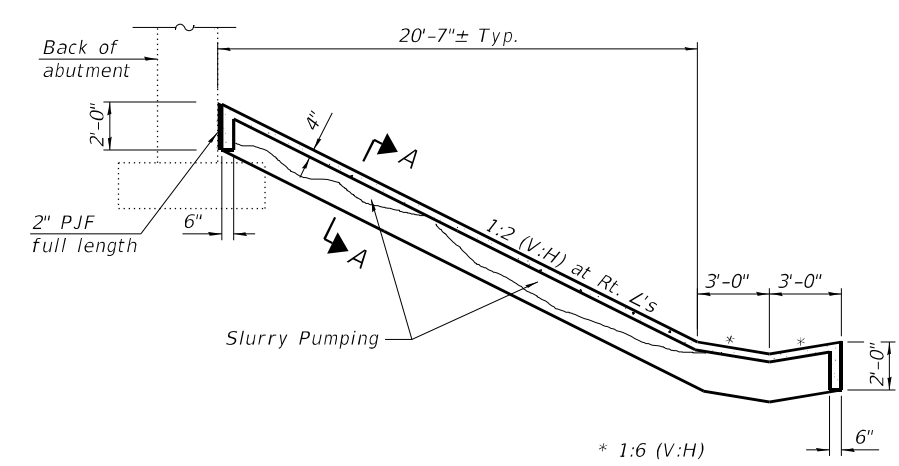
SHEET 7 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	17
CONTRACT NO. 64T21				
ILLINOIS FED. AID PROJECT				

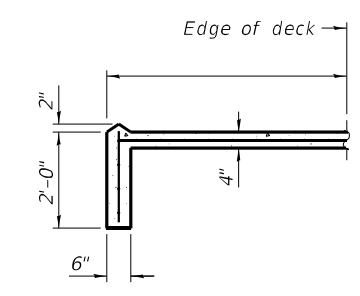
MODEL: Default  
 FILE NAME: 0980065-64T21-008-North AbutmentRepairs.dgn



**NORTH ABUTMENT ELEVATION**  
 (Looking North)



**SECTION THRU CONCRETE SLOPEWALL REPAIR**



**SECTION A-A**

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less Than 5 Inches)
- Slope Wall Repair and Slurry Pumping
- Slope Wall Crack Sealing

**NOTES**

1. Slope wall shall be reinforced with welded wire fabric. 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs per 100 sq. ft.
2. Areas of slope wall repair are estimated based off the 2024 field inspection. The engineer shall confirm limits of repairs in field at time of construction.
3. Cost of all materials and labor required for Slope Wall Repairs are included with the cost for Slope Wall Repair measured in place in square yards.
4. Existing welded wire fabric shall extend 6" into the proposed Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the the proposed slope wall reinforcement.
5. Areas of slurry pumping are approximate. Actual locations and limits will be determined by the engineer in the field.

**BILL OF MATERIAL**

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or less Than 5 Inches)	Sq. Ft.	90
Slope Wall Repair	Sq. Yd.	66
Slope Wall Crack Sealing	Ft.	100
Slope Wall Slurry Pumping	Cu. Yd.	22



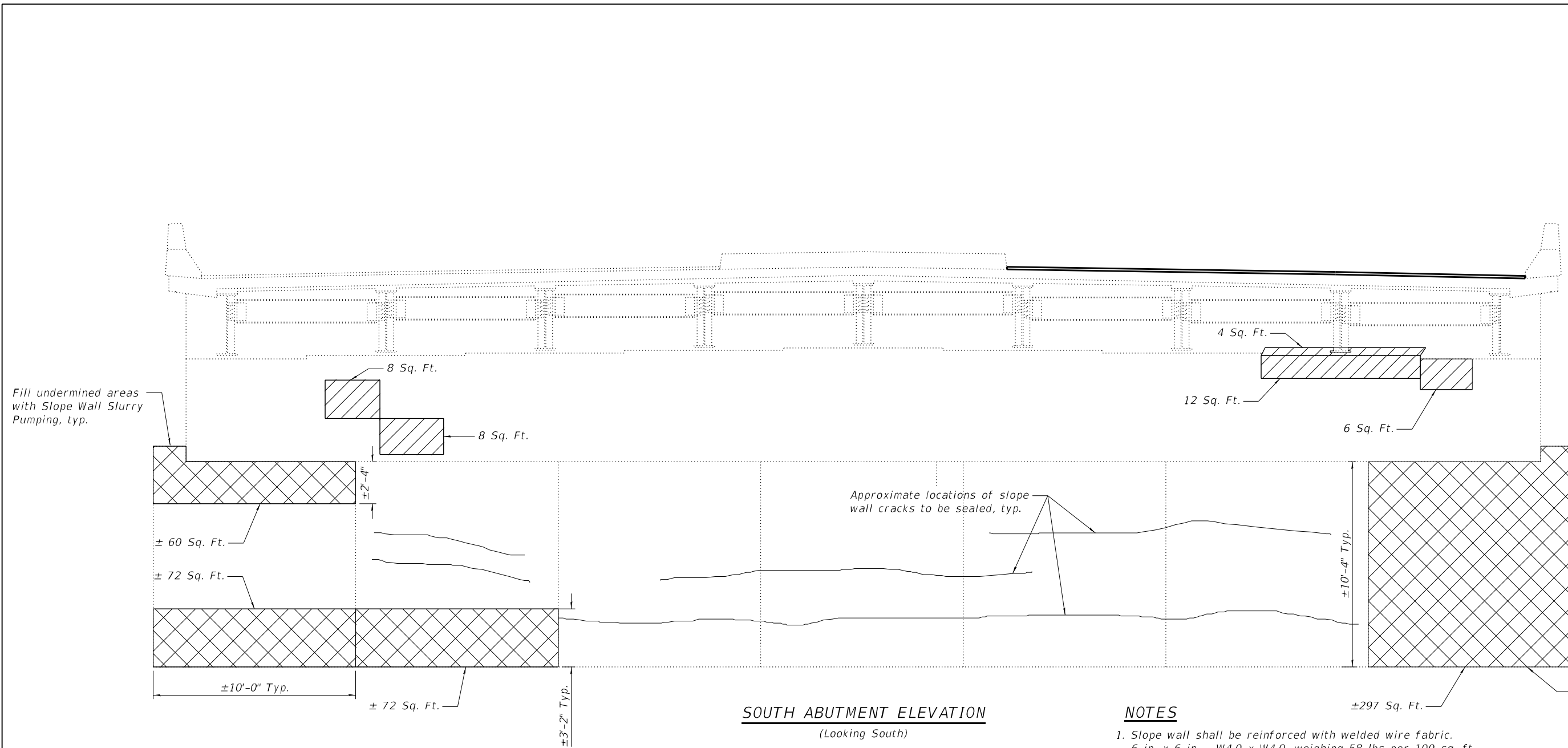
USER NAME =	DESIGNED - JRT	REVISED -
	CHECKED - JPB	REVISED -
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

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

**NORTH ABUTMENT REPAIRS**  
**STRUCTURE NO. 098-0065**

SHEET 8 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	18
CONTRACT NO. 64T21				
		ILLINOIS	FED. AID PROJECT	



**SOUTH ABUTMENT ELEVATION**  
(Looking South)

**NOTES**

- Slope wall shall be reinforced with welded wire fabric. 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs per 100 sq. ft.
- Areas of slope wall repair are estimated based off the 2024 field inspection. The engineer shall confirm limits of repairs in field at time of construction.
- Cost of all materials and labor required for Slope Wall Repairs are included with the cost for Slope Wall Repair measured in place in square yards.
- Existing welded wire fabric shall extend 6" into the proposed Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the proposed slope wall reinforcement.
- Areas of slurry pumping are approximate. Actual locations and limits will be determined by the engineer in the field.
- See Sheet 8 for slope wall section for Slope Wall Repair

**BILL OF MATERIAL**

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.	38
Slope Wall Repair	Sq. Yd	56
Slope Wall Crack Sealing	Ft.	110
Slope Wall Slurry Pumping	Cu. Yd	19

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
- Slope Wall Repair
- Slope Wall Crack Repair

MODEL: Default  
FILE NAME: 0980065-64T2-1-009-South AbutmentRepairs.dgn



USER NAME =	DESIGNED - JRT	REVISED -
	CHECKED - JPB	REVISED -
PLOT SCALE =	DRAWN - JRT	REVISED -
PLOT DATE =	CHECKED - JPB	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

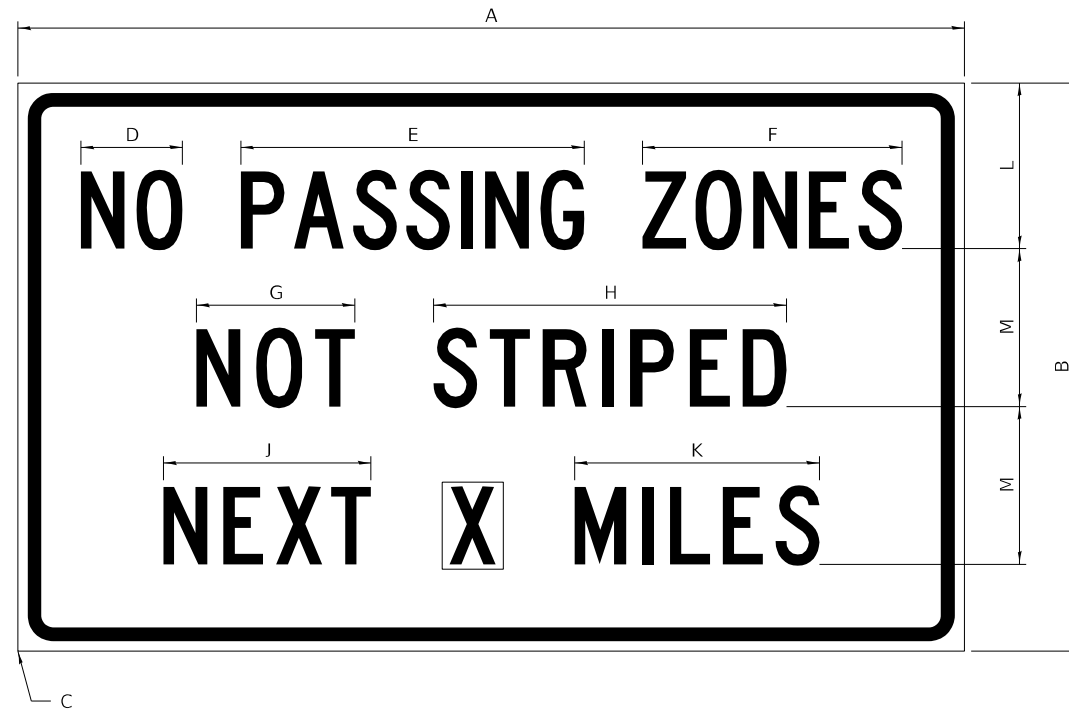
**SOUTH ABUTMENT REPAIRS  
STRUCTURE NO. 098-0065**

SHEET 9 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	19
CONTRACT NO. 64T21				
		ILLINOIS	FED. AID PROJECT	

# WORK ZONE SIGN DETAILS

**ILLINOIS STANDARD G20-I100**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

**GENERAL NOTES**

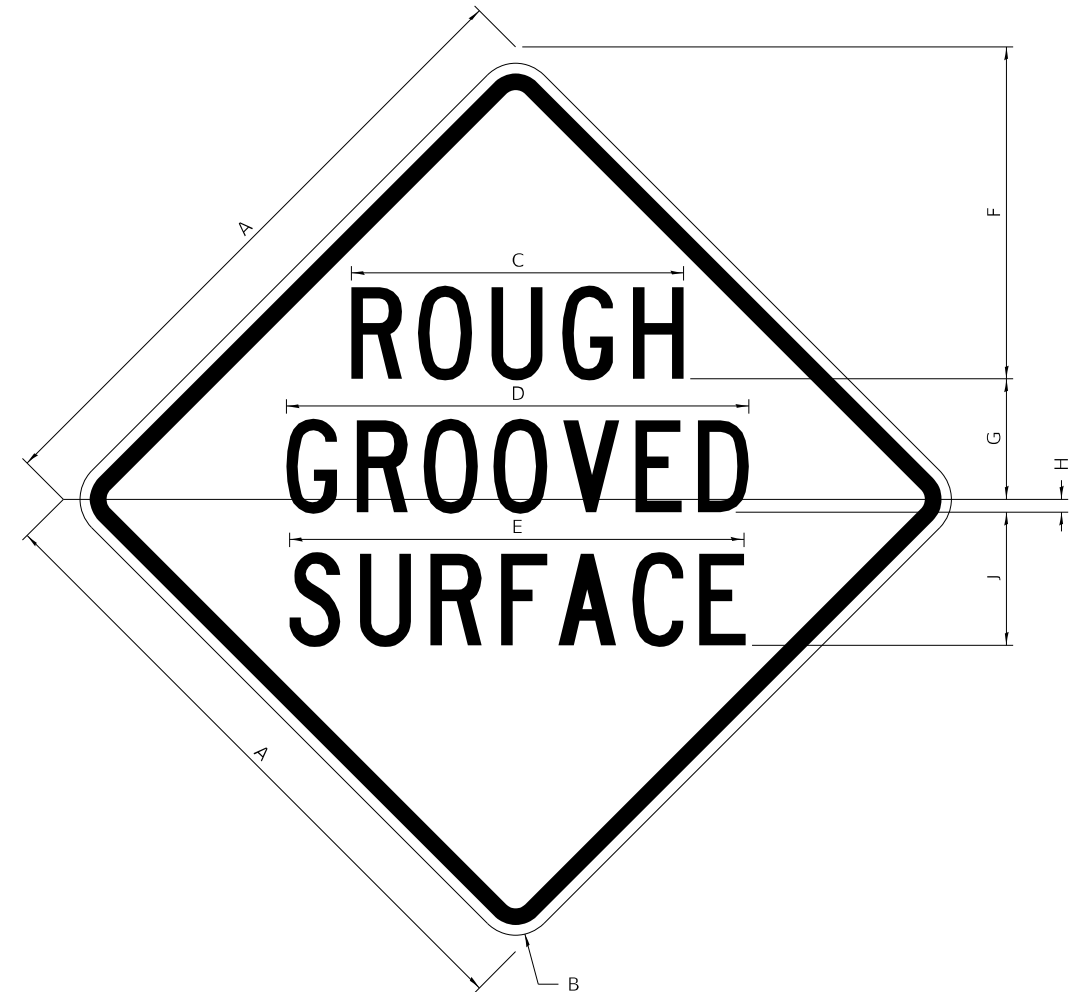
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

**ILLINOIS STANDARD W8-I107**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

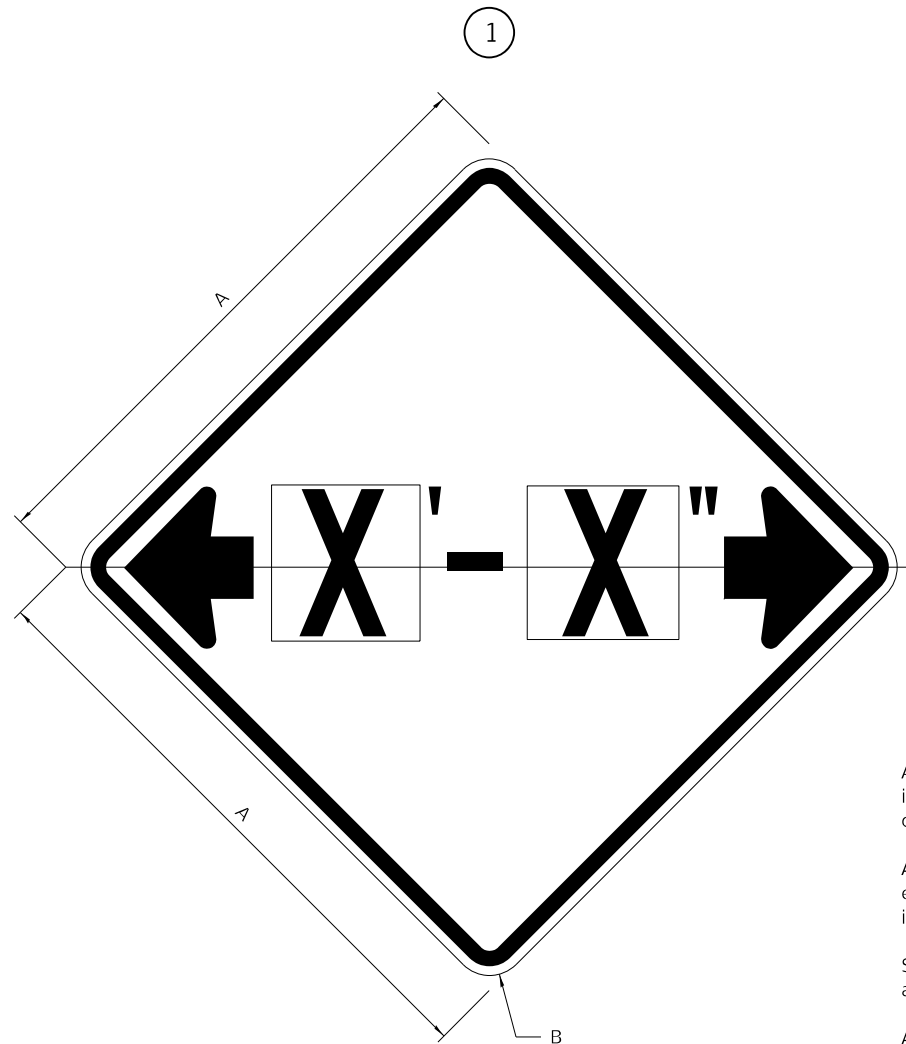
SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

FILE NAME: 64T21-shi-D2detail-34.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 3-02-16	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 * / in.	DRAWN -	REVISED -					88	(192-2HB)BDR	WHITESIDE	29	20
	PLOT DATE = 6/3/2024	CHECKED -	REVISED -					CONTRACT NO. 64T21				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE: N.T.S.	SHEET 1	OF 4	SHEETS	STA.	TO STA.		

# WORK ZONE SIGN DETAILS

## ILLINOIS STANDARD W12-I102



### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

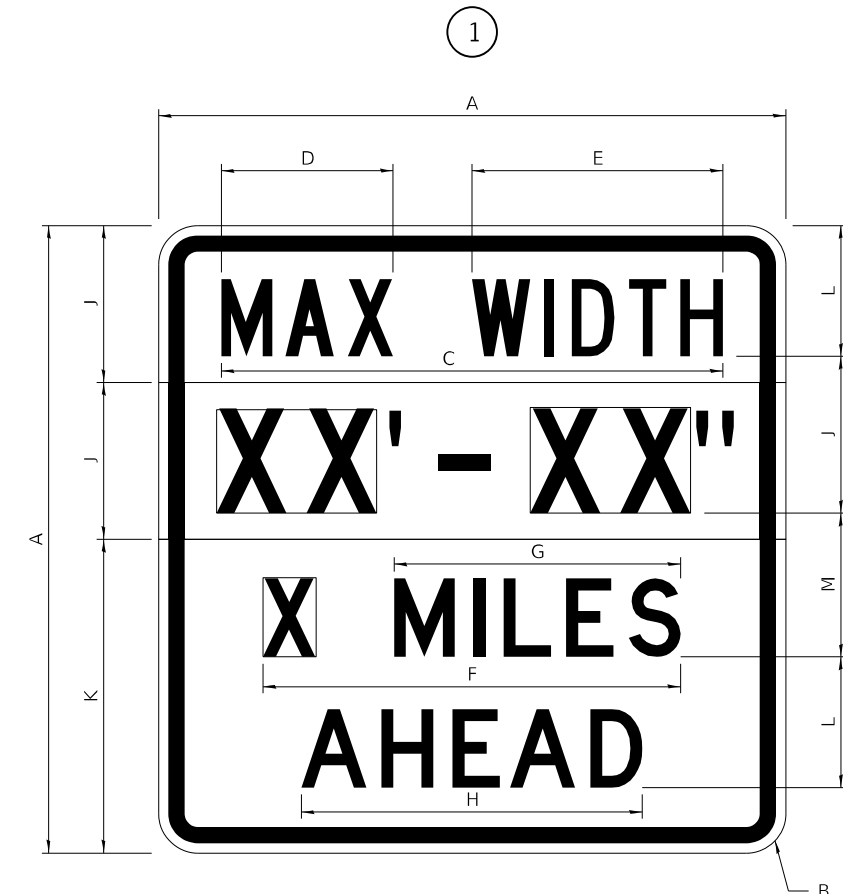
SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

## ILLINOIS STANDARD W12-I103



COLOR LEGEND AND BORDER BACKGROUND BLACK WHITE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

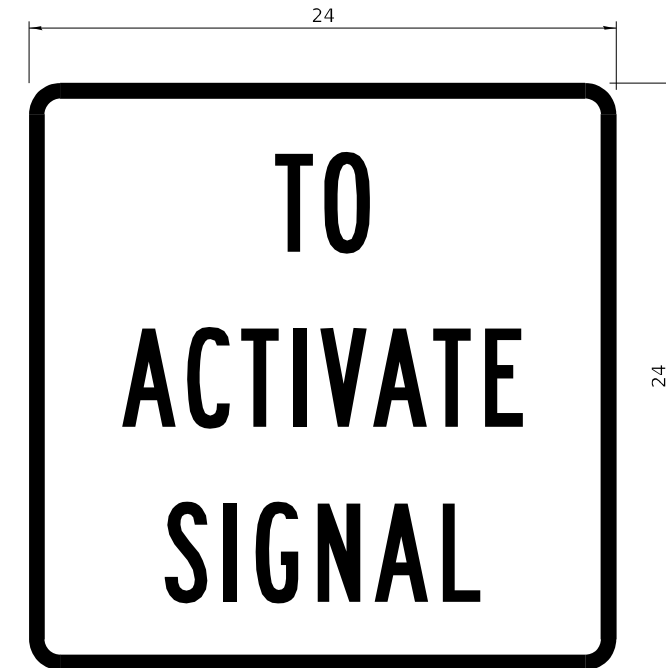
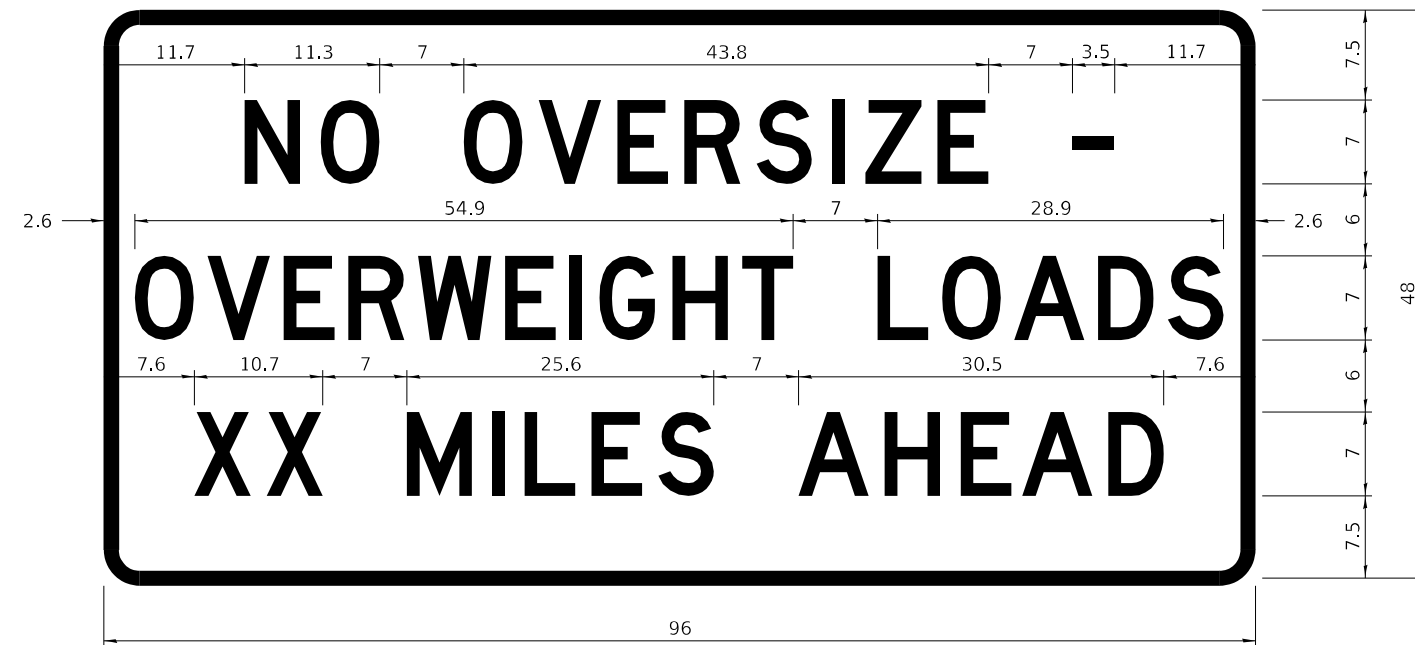
XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

FILE NAME: 64T21-shi-D2detail-34.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I. RTE. 88	SECTION (192-2HB)BDR	COUNTY WHITESIDE	TOTAL SHEETS 29	SHEET NO. 21
	PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 64T21		
	PLOT DATE = 6/3/2024	DATE -	REVISED -									

# WORK ZONE SIGN DETAILS

## ROAD CLOSED TO OVERSIZED LOADS

## STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;  
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;  
 Table of letter and object lefts.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

Sign not to scale

### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

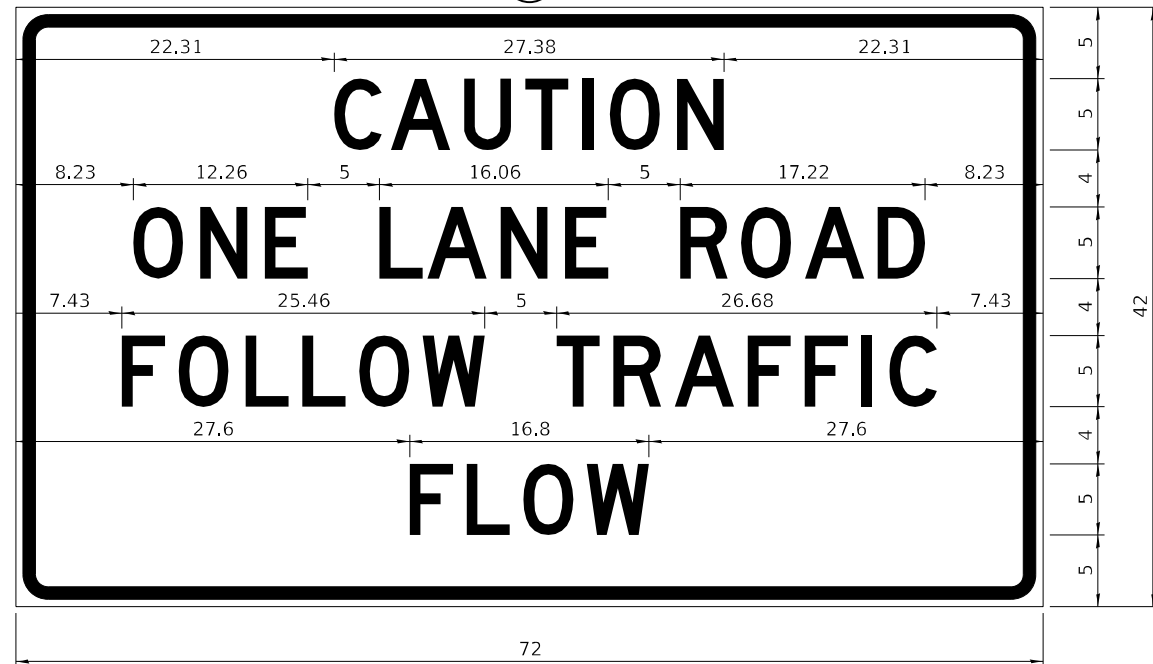
All dimensions are in inches unless otherwise noted.

FILE NAME: 64T21-shi-D2detail-34.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 * / in.	DRAWN -	REVISED -		88	(192-2HB)BDR	WHITESIDE	29	22			
PLOT DATE = 6/3/2024	CHECKED -	REVISED -	SCALE: N.T.S.	SHEET 3 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					
	DATE -	REVISED -	CONTRACT NO. 64T21									

**ENTRANCE SIGN FOR USE  
WITH TEMPORARY SIGNALS**

**WORK ZONE SIGN DETAILS**

2



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;  
[CAUTION] D; [ONE LANE ROAD] D;  
[FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

**Table Of Widths And Spaces**

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

**GENERAL NOTES**

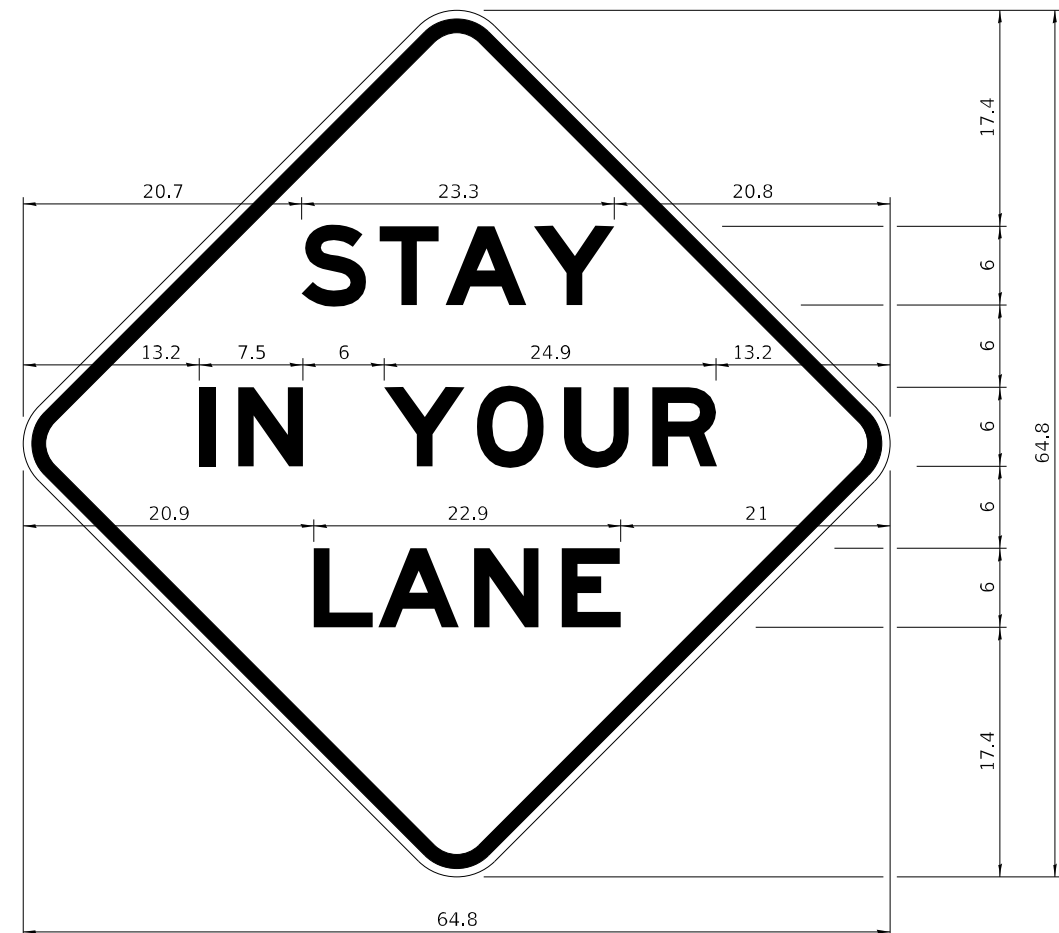
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

**STAY IN YOUR LANE**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;  
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

**Table of Letter and Object Lefts**

S	T	A	Y
20.7	26.8	31.6	38.0

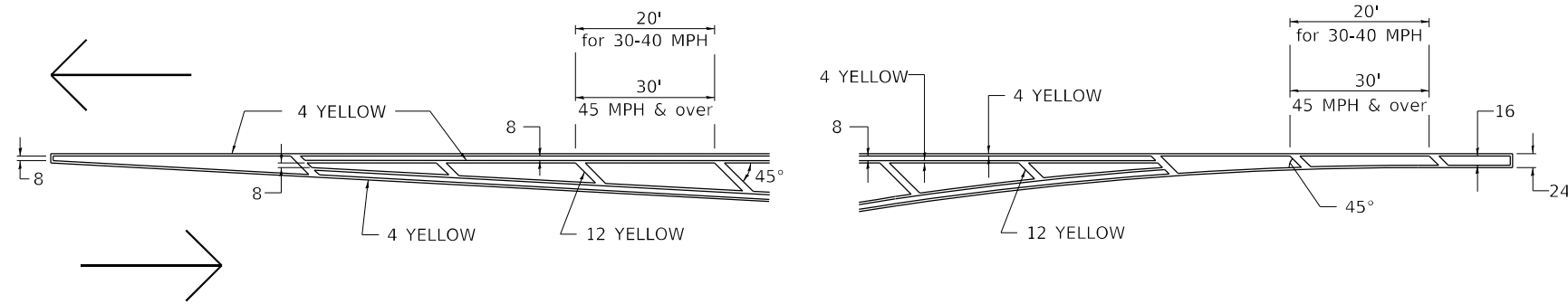
I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

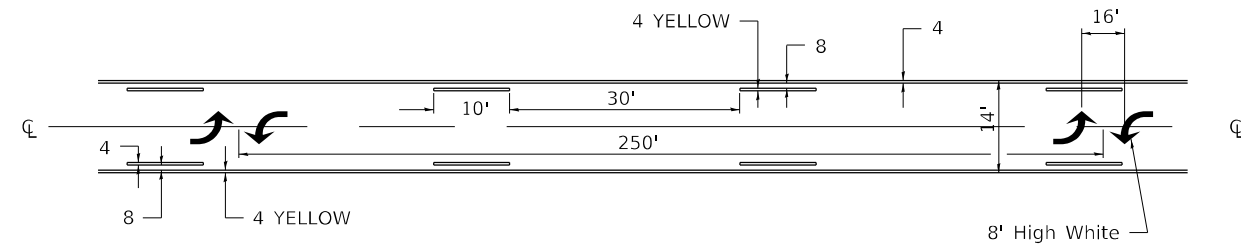
Sign not to scale

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

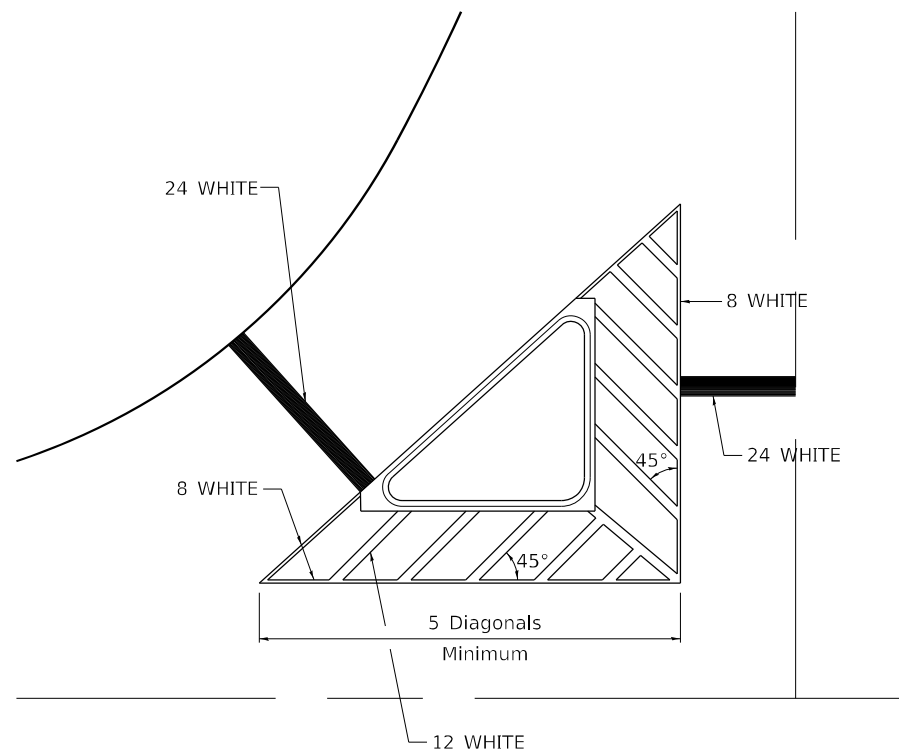


## MEDIAN PAVEMENT MARKING



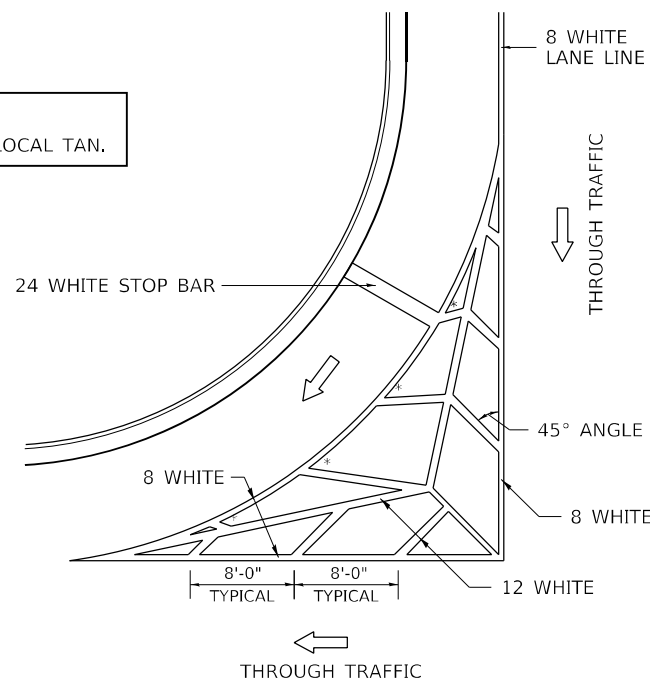
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



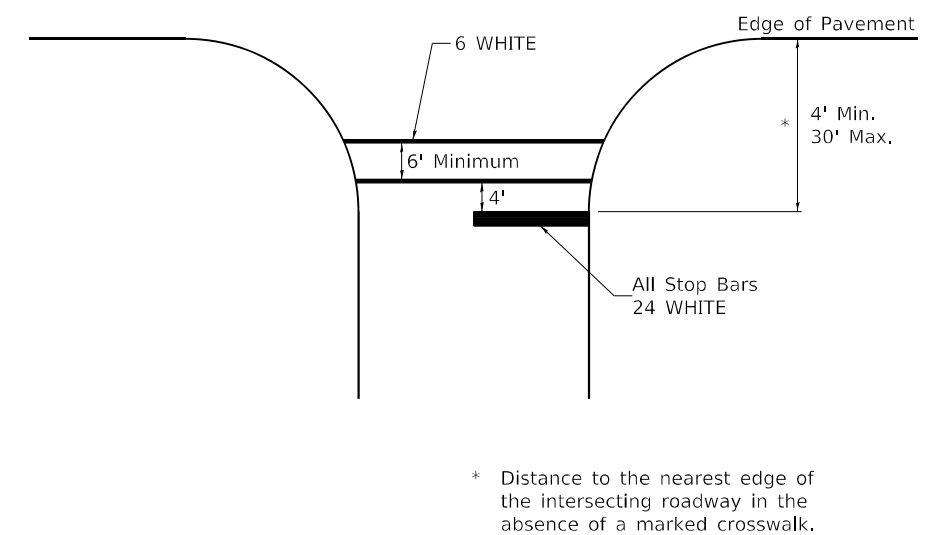
## TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



## STANDARD CROSSWALK MARKING

See Schedules for Locations



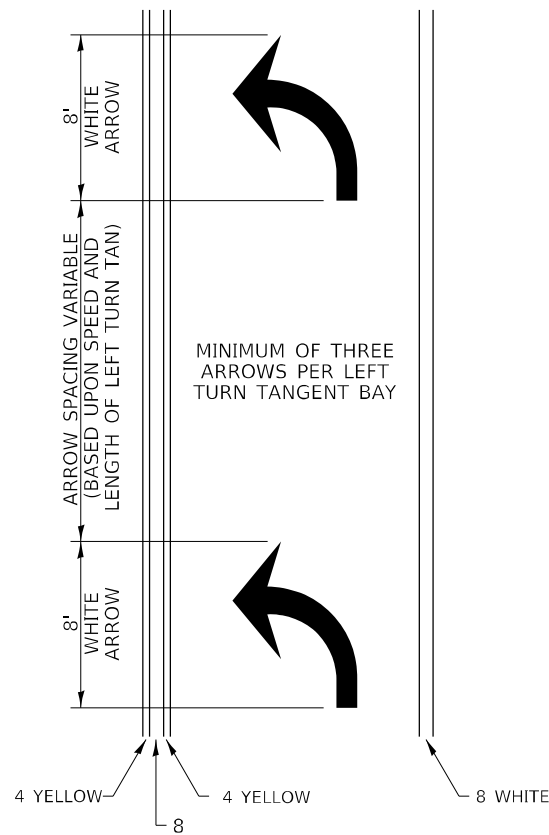
\* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME: 64T21-shi-D2detail-41.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I. RTE. 88	SECTION (192-2HB)BDR	COUNTY WHITESIDE	TOTAL SHEETS 29	SHEET NO. 24
	PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED - 3-05-12		SCALE: N.T.S.	SHEET 1 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 64T21				
PLOT DATE = 6/3/2024	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



# TYPICAL PAVEMENT MARKINGS

## ARROW LAYOUT

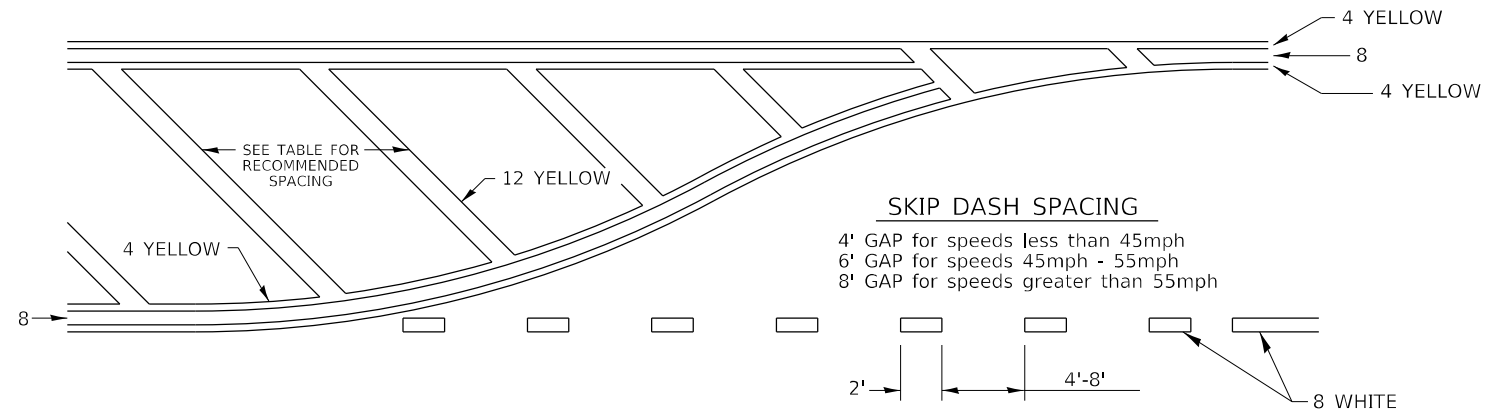


### SYMBOLS

- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

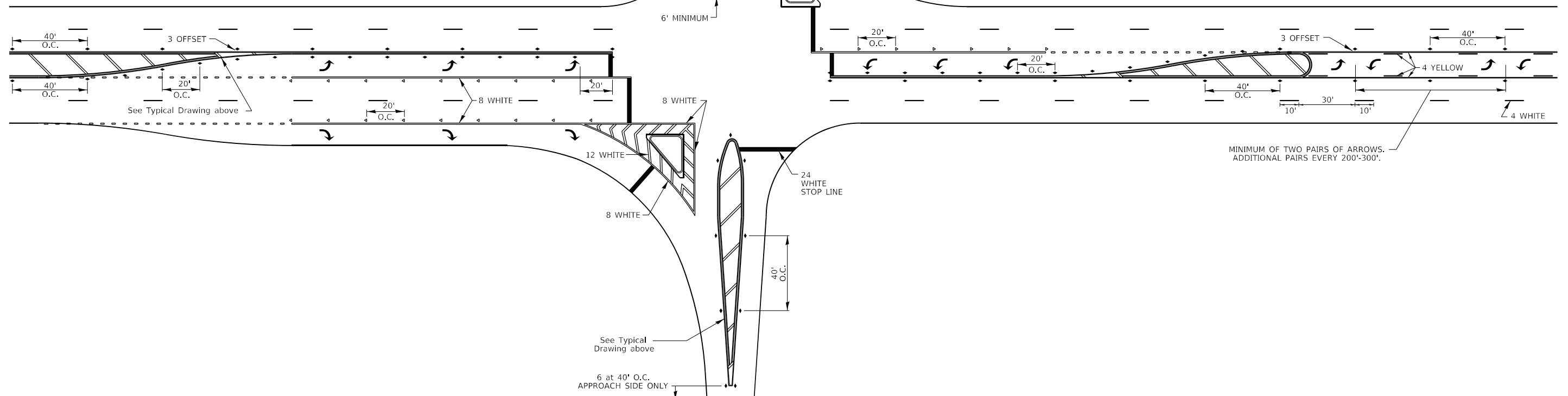
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



### RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

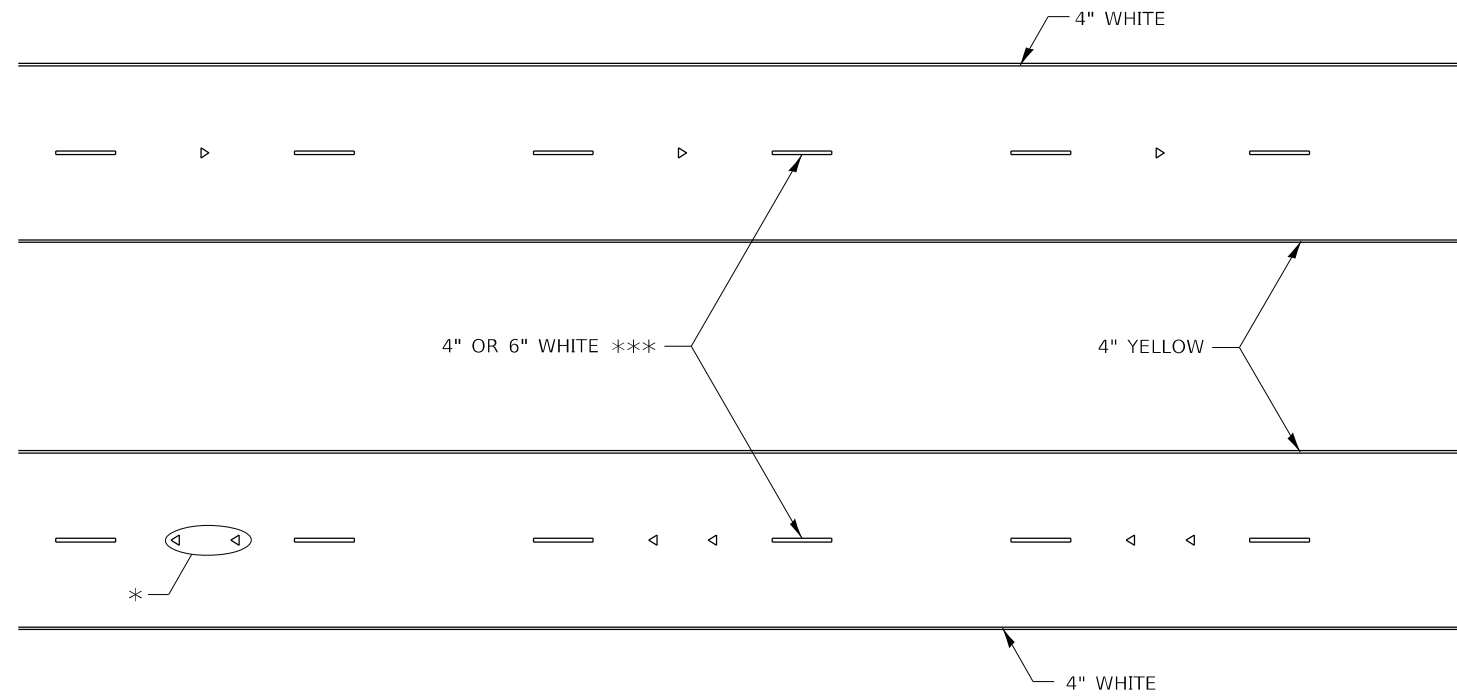
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



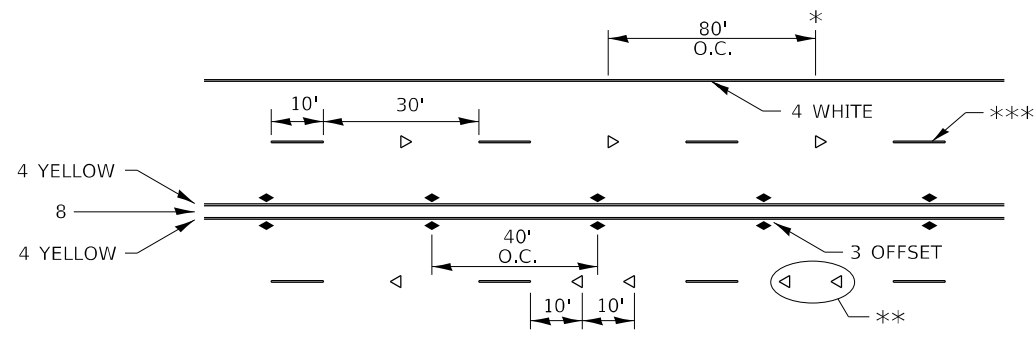
FILE NAME: 64T21-shi-D2detail-41.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 * / in.	DRAWN -	REVISED - 3-05-12				88	(192-2HB)BDR	WHITESIDE	29	25
	PLOT DATE = 6/3/2024	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000.

## MULTI-LANE / DIVIDED



\* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

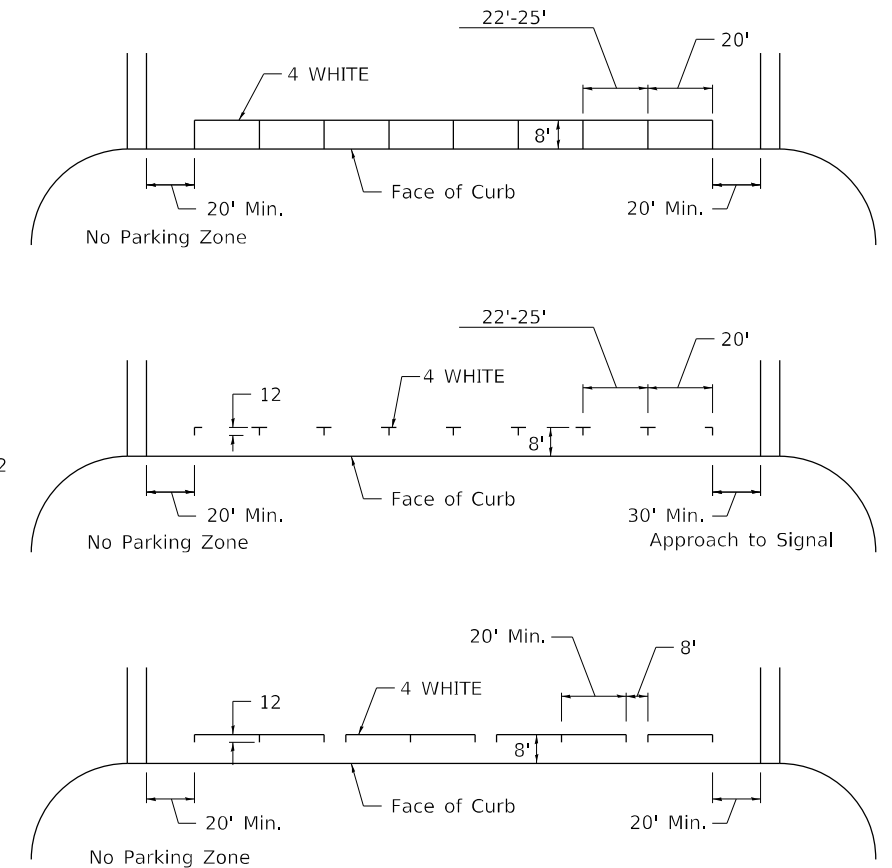
\*\* USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000

\*\*\* CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE, SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

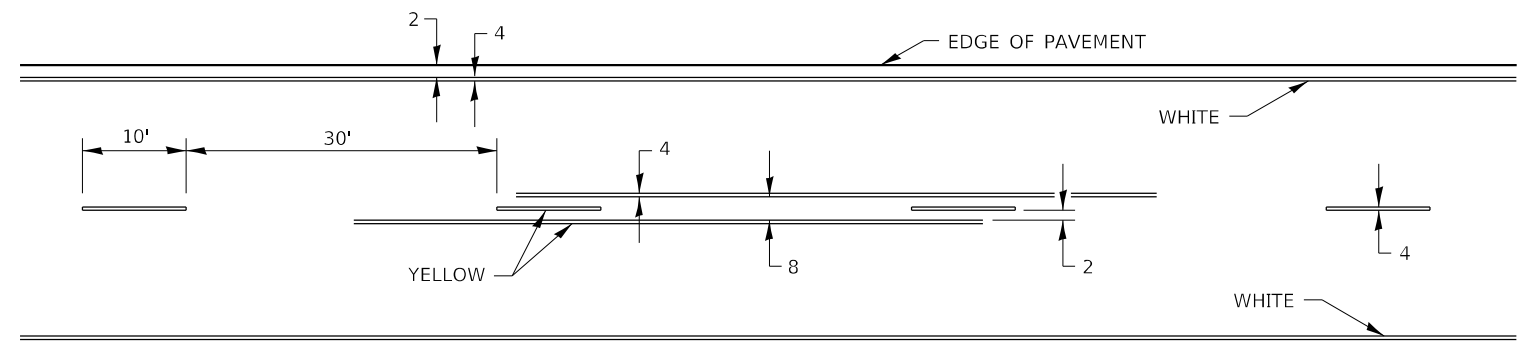
## MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

## TYPICAL PARKING SPACING



## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

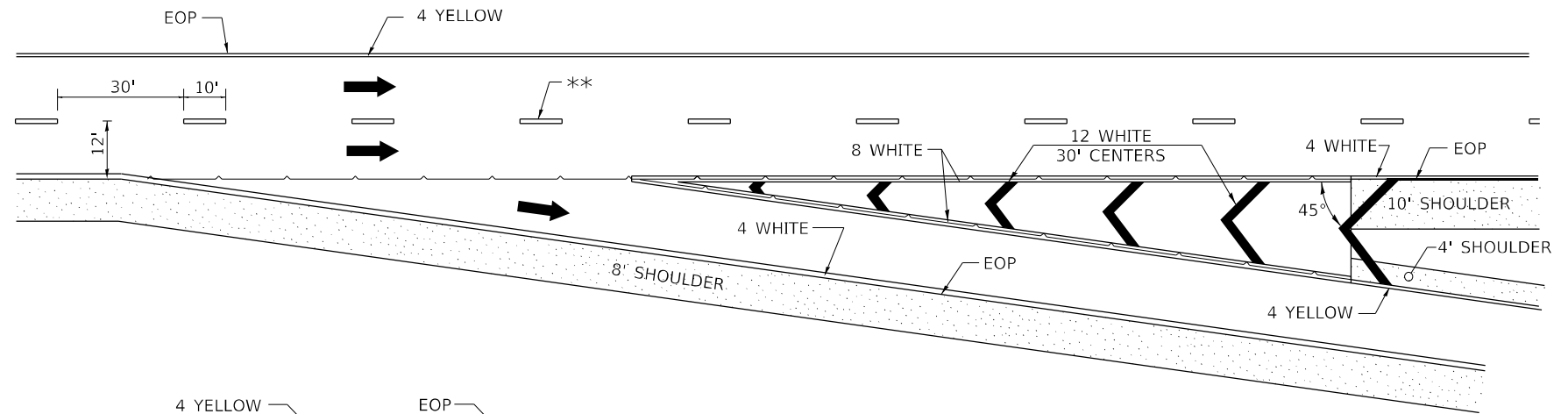
FILE NAME: 64T21-shi-D2detail-41.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 * / in.	DRAWN -	REVISED - 8-27-13					88	(192-2HB)BDR	WHITESIDE	29	26
	PLOT DATE = 6/3/2024	CHECKED -	REVISED - 11-28-12		SCALE: N.T.S.	SHEET 3	OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 64T21		
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

# TYPICAL PAVEMENT MARKINGS

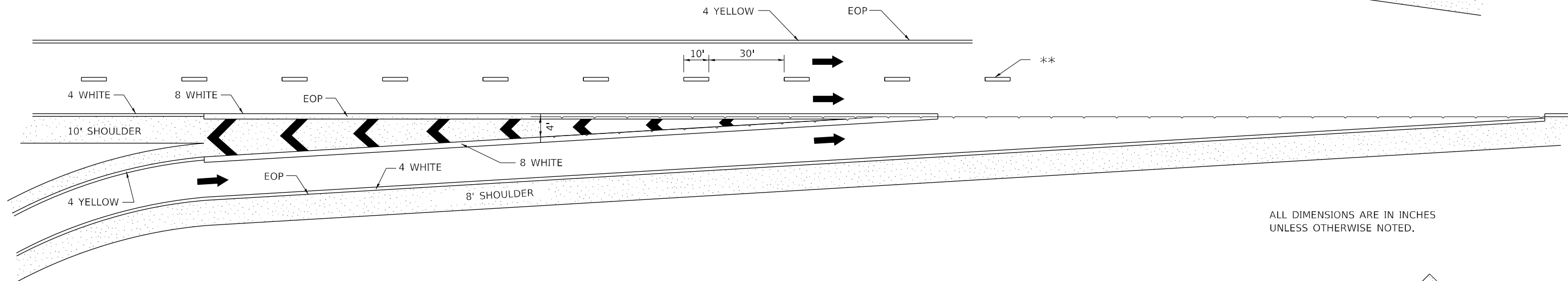
\*\* 6" WHITE ON INTERSTATES, WHERE THE SPEED LIMIT IS 65 MPH, OR WHEN DIRECTED BY THE ENGINEER.  
4" WIDE AT ALL OTHER LOCATIONS.

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS

## EXIT RAMP

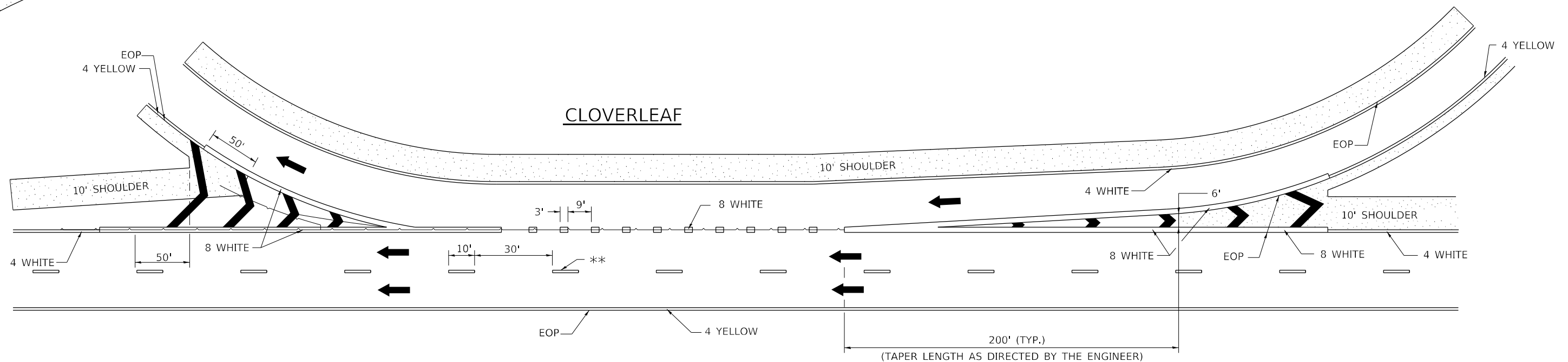


## ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

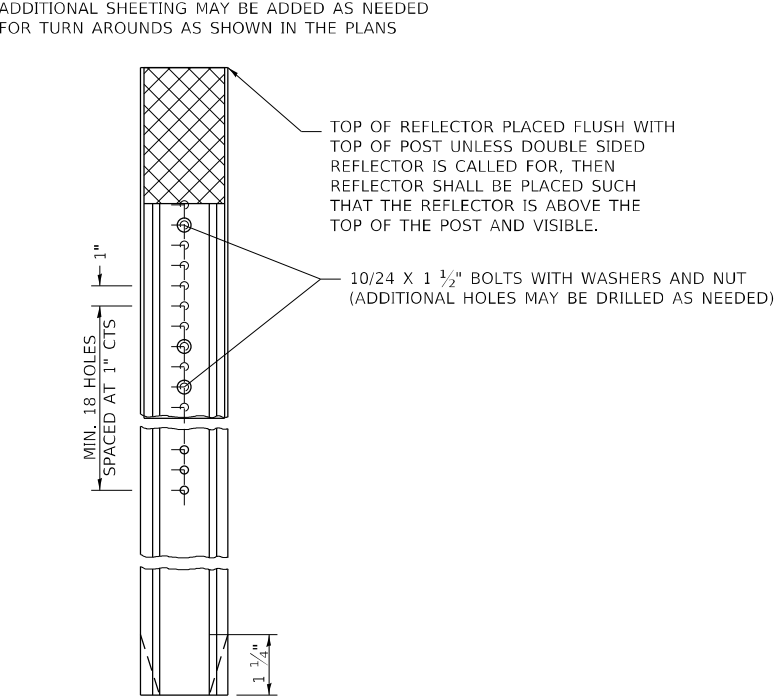
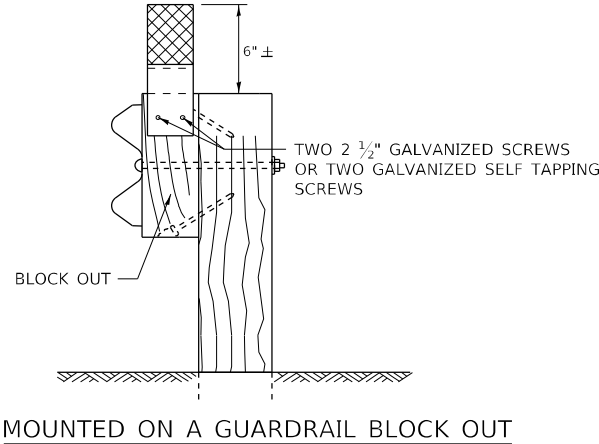
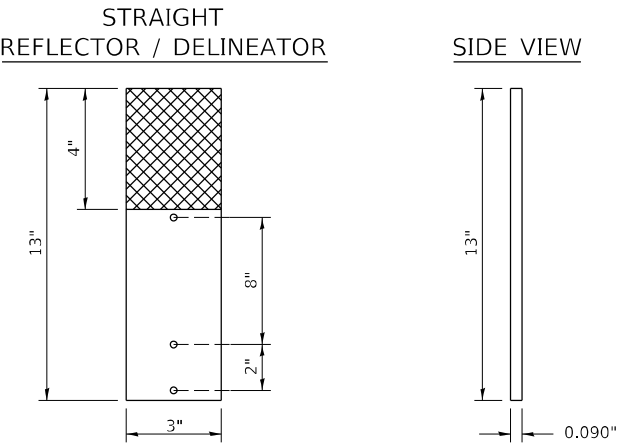
## CLOVERLEAF



FILE NAME: 64T21-sh-D2detail-41.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 9-15-23	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.I. RTE. 88	SECTION (192-2HB)BDR	COUNTY WHITESIDE	TOTAL SHEETS 29	SHEET NO. 27
	PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED - 8-27-13		SCALE: N.T.S.	SHEET 4 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 64T21			
PLOT DATE = 6/3/2024	DATE -	REVISED - 10-18-11	REVISED -					ILLINOIS FED. AID PROJECT			

# GUARDRAIL REFLECTORS, TYPE C (SPECIAL)

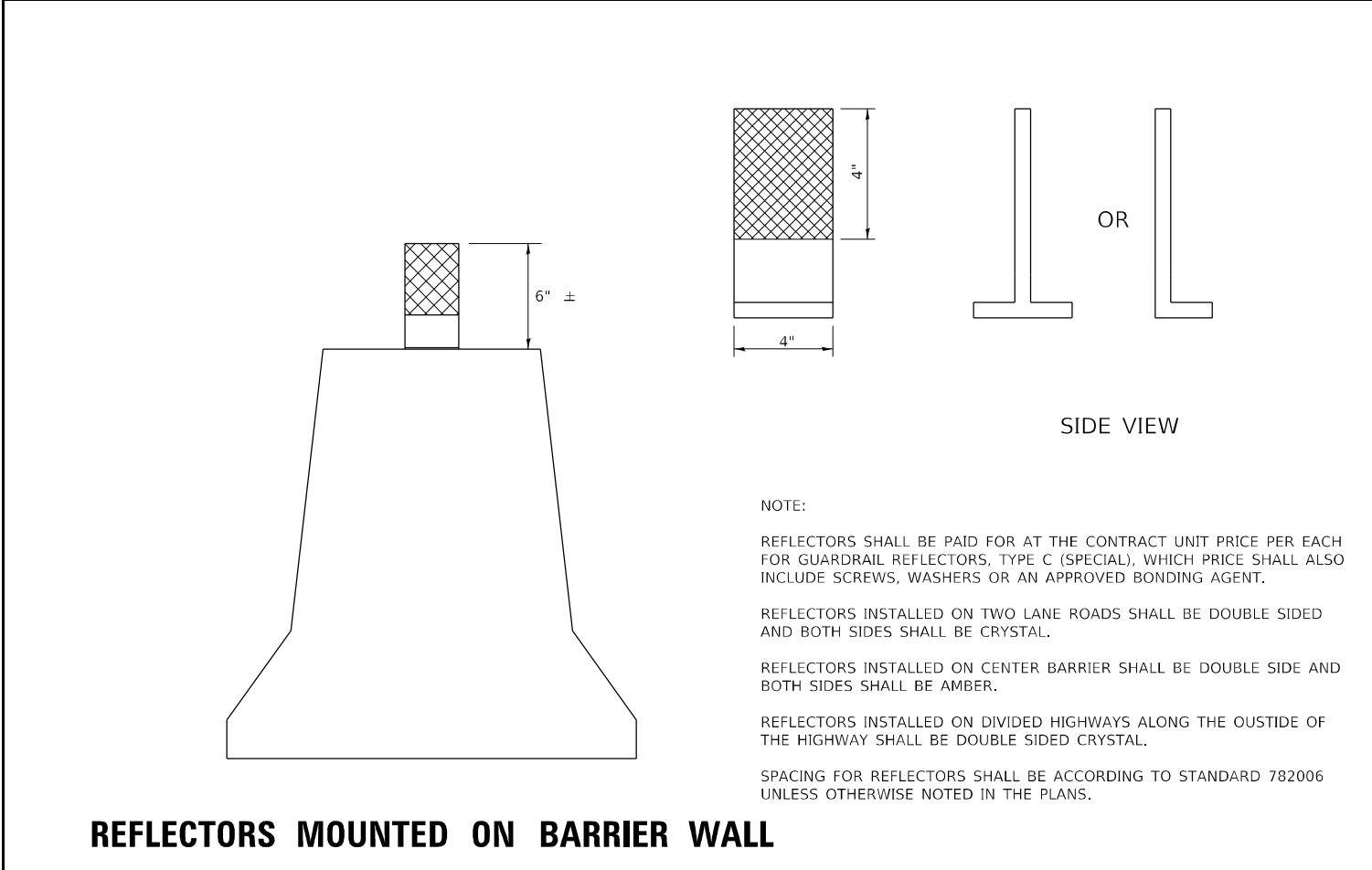
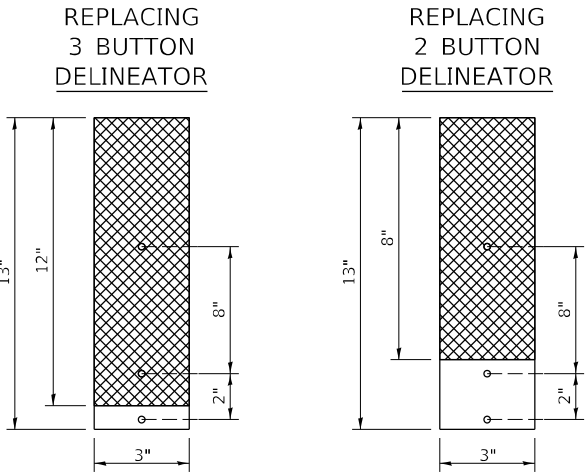
## REFLECTORS FOR GUARDRAIL BLOCK OUT OR DELINEATOR POST



REFLECTORS SHALL BE MOUNTED DIRECTLY TO BLOCK OUTS.

REFLECTORS MOUNTED ON WOODEN OR PLASTIC OR METAL BLOCK OUT SHALL BE MOUNTED USING TWO 2 1/2" GALVANIZED SCREWS WITH WASHERS OR TWO SELF TAPPING GALVANIZED SCREWS WITH WASHERS.

MOUNTED ON A DELINEATOR POST



REFLECTORS MOUNTED ON BARRIER WALL

NOTE:

REFLECTORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH PRICE SHALL ALSO INCLUDE SCREWS, WASHERS OR AN APPROVED BONDING AGENT.

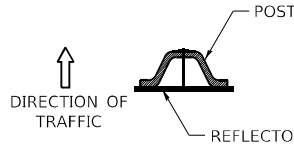
REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE CRYSTAL.

REFLECTORS INSTALLED ON CENTER BARRIER SHALL BE DOUBLE SIDE AND BOTH SIDES SHALL BE AMBER.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ALONG THE OUSTIDE OF THE HIGHWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.

ADDITIONAL HOLES SHALL BE DRILLED IN THE REFLECTORS AS SHOWN ABOVE.



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE REFLECTOR ATTACHECD AS SHOWN ABOVE.

NOTE:

REFLECTORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH PRICE SHALL ALSO INCLUDE SCREWS, WASHERS OR AN APPROVED BONDING AGENT.

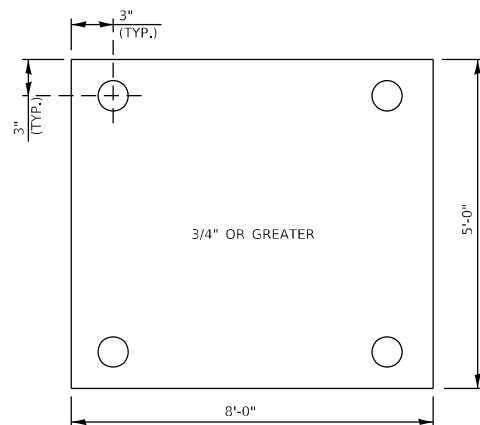
REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE CRYSTAL.

REFLECTORS INSTALLED ON CENTER BARRIER OR IN THE MEDIAN SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE AMBER.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ON THE OUTSIDE OF THE ROADWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.

FILE NAME: 64T21-shi-D2detail-55.1.dgn	USER NAME = jpush	DESIGNED -	REVISED - 4-27-23	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - 4-27-23	88			(195-2HB)BDR	WHITESIDE	29	28	
PLOT SCALE = 19.9992 * / in.	CHECKED -	REVISED - 6-21-21	SCALE: N.T.S.    SHEET 1 OF 1 SHEETS    STA.    TO STA.			CONTRACT NO. 64T21				
PLOT DATE = 6/3/2024	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

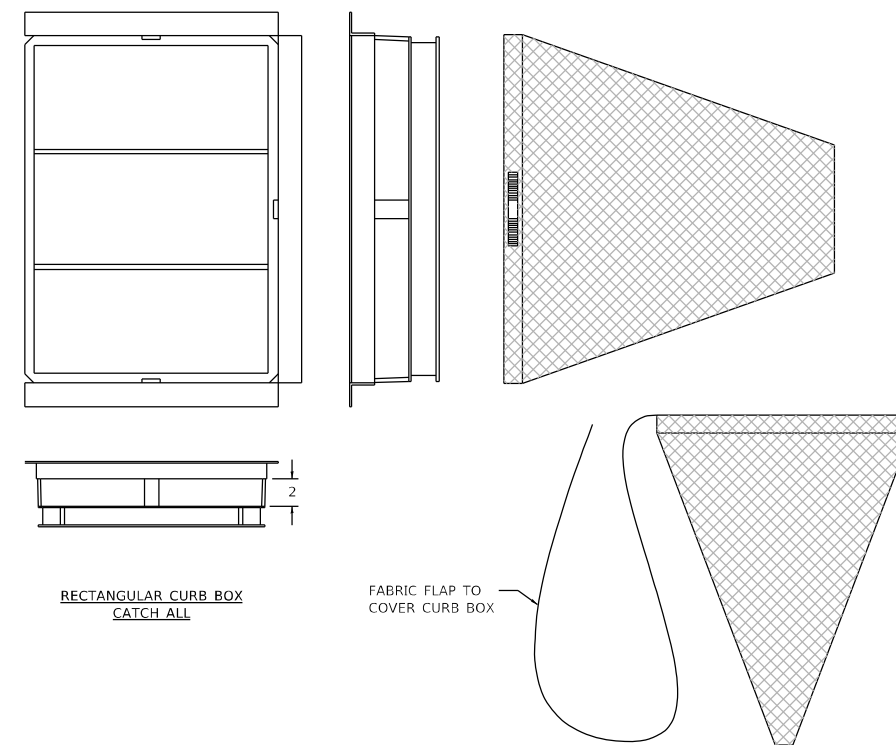


**STEEL PLATE DETAIL**

N.T.S.

**STEEL PLATE NOTES:**

1. DURING MOT STAGE 1, THE APPROACH DRAIN AT THE CORNERS OF THE BRIDGES NEED TO BE PROTECTED WITH 3/4" (MIN.) STEEL PLATE ANCHORED WITH 4 ANCHOR BOLTS INTO THE PAVEMENT.
2. THE EDGES OF THE STEEL PLATE SHALL BE TAPERED WITH HMA TO AVOID BUMP FOR TRAFFIC.



**RECTANGULAR CURB BOX  
CATCH ALL**

FABRIC FLAP TO  
COVER CURB BOX

**INLET FILTER NOTES:**

FRAME: TOP FLANGE FABRICATED FROM 1 1/2"x1 1/4"x1/2" ANGLE, BASE RIM FABRICATED FROM 1 1/2"x1/2"x1/2" CHANNEL, HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1 1/4"x1/2" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.

SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL BAND AND LOCK.

**INLET FILTER DETAIL**

N.T.S.

MODEL: D:\info\... FILE NAME: 84721-04-drawings.dgn



USER NAME = jpush	DESIGNED - JRP	REVISED -
	DRAWN - JRP	REVISED -
	CHECKED - JRP	REVISED -
PLOT DATE = 6/3/2024	DATE - 06/03/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL DETAILS  
IL 78 OVER INTERSTATE 88**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	(195-2HB)BDR	WHITESIDE	29	29
CONTRACT NO. 64T21				
		ILLINOIS	FED. AID PROJECT	