

021

04-24-2020 LETTING ITEM 021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	1
ILLINOIS CONTRACT NO. 62K50				

37+1=38 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGES OF BOLINGBROOK AND BURR RIDGE

TRAFFIC DATA:

INTERSTATE 55

S.N. 099-0260 2018 ADT = 133,600

S.N. 099-0028 2018 ADT = 122,900

S.N. 022-0003 2018 ADT = 168,700

DESIGN CLASSIFICATION = INTERSTATE (I-55) (URBAN)

DESIGN SPEED = 60 MPH (ASSUMED)

POSTED SPEED = 55 MPH

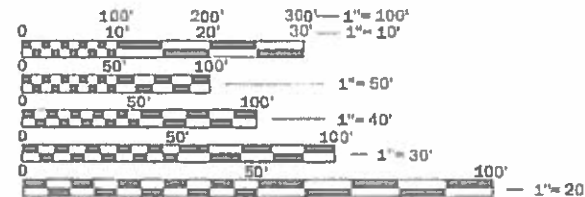
PROPOSED  
HIGHWAY PLANS

FAI ROUTE 55 OVER IL-53, JOLIET RD  
AND S. MADISON ST  
SECTION: 2019-177-BR  
BRIDGE DECK REPAIRS AND  
SHOULDER RECONSTRUCTION  
DUPAGE AND WILL COUNTIES

C-91-143-20

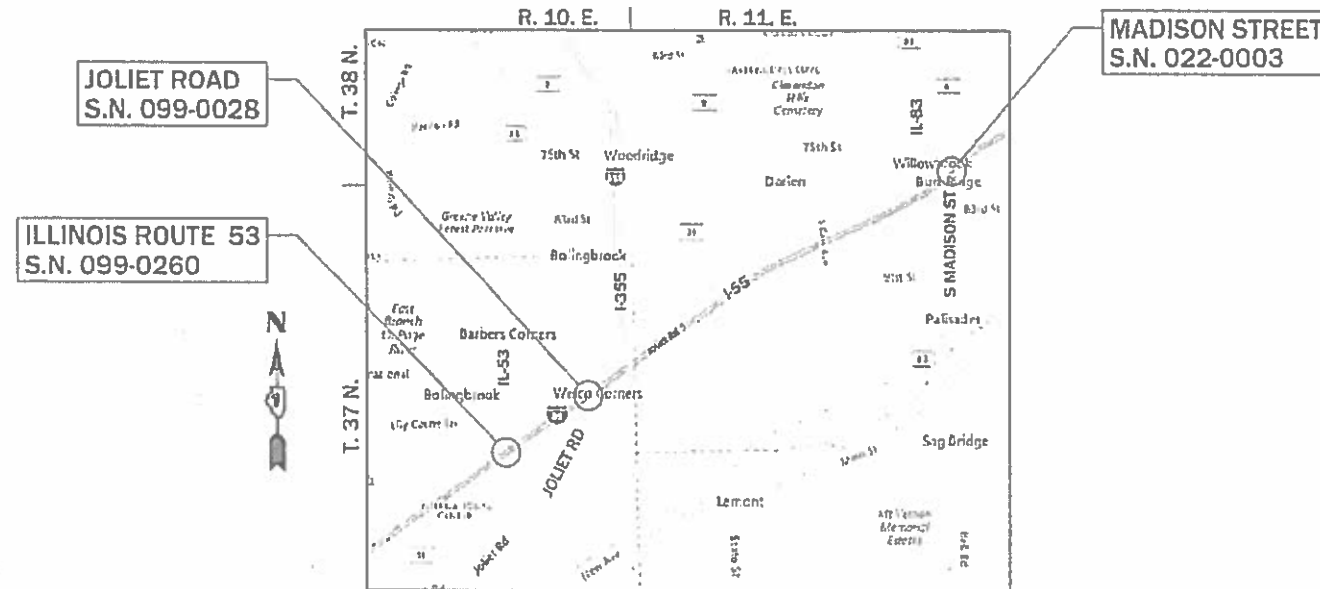


LIN ENGINEERING, LTD.  
Consulting Engineers  
Westmont, IL 60171



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

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



LOCATION MAP

NOT TO SCALE

GROSS LENGTH = 7,372.00 FT. = 1.4 MILES  
NET LENGTH = 5,292.00 FT. = 1.0 MILES



Shiraz Tarique Date  
Illinois Registered Engineer No. 062-064219  
Registration Expires Nov. 30, 2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 24, 2020  
Anthony J. Panyko REGIONAL ENGINEER  
March 20, 2020  
EA. ETK  
ENGINEER OF DESIGN AND ENVIRONMENT  
March 20, 2020  
Sammy Jun  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

PROJECT ENGINEER: PRAVEEN KAINI, PE. (847-705-4237)  
PROJECT MANAGER: FAWAD AQUEEL, PE., PTOE (847-705-4247)

CONTRACT NO. 62K50

REV-SEP

## INDEX OF SHEETS

1	COVER SHEET
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28 - 38	DISTRICT ONE STANDARDS

## HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS $\geq$ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-10	TWO LANE CLOSURE, FREEWAY / EXPRESSWAY
701501-06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## DISTRICT STANDARDS

TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-18	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN

## GENERAL NOTES

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.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

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. 48 HOUR NOTIFICATION IS REQUIRED.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH TEMPORARY MARKINGS, IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE DIRECTED BY THE RESIDENT ENGINEER.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

ALL PAVEMENT PATCHING LOCATIONS SHALL BE AS SHOWN IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

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.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND THE VILLAGES OF BOLINGBROOK AND WILLOWBROOK.

THE CONTRACTOR SHALL CONTRACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AT LEAST 72 HOURS BEFORE BEGINNING WORK.

THE CONTRACTOR SHALL MAINTIAN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.

THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING 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.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKDAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

PERMANENT PAVEMENT MARKINGS SHALL BE AS SPECIFIED IN THE PLANS AND SHALL BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAILS. (TC-13 AND TC-12).

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

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.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

## COMMITMENTS

NONE.

HOT- MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
HOT-MIX ASPHALT SHOULDER, 15"		
HOT-MIX ASPHALT SURFACE COURSE, 2", MIX "D", N70, (IL-9.5)	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, 13", N70, (IL-19.0)	4% @ 70 GYR.	QC/QA
FILLING EXISTING RUMBLE STRIP		
HOT-MIX ASPHALT SURFACE COURSE, 2", MIX "D", N70, (IL-9.5)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE; QUALITY CONTROL FOR PERFORMANCE (QCP)		

## MIXTURE TABLE NOTES

- THE UNIT WEIGHT USED TO CALCUALTE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

SEEDING, CLASS 2	200 LB/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
MULCH	2 TON/ACRE
SHORT TERM PAVEMENT MARKING	10 FT/100 FT
GRANULAR MATERIAL	2.05 TONS/CU YD

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE	100% STATE	100% STATE
				ROADWAY	SN 099-0260	SN 099-0028
				0004	0047	0047
				URBAN	URBAN	URBAN
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45		
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45		
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45		
20200100	EARTH EXCAVATION	CU YD	8,155	8,155		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,087	1,087		
25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50		
25100630	EROSION CONTROL BLANKET	SQ YD	1,627	1,627		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3,625	3,625		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	24,465	24,465		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7,340	7,340		
44004250	PAVED SHOULDER REMOVAL	SQ YD	10,874	10,874		
48203057	HMA SHOULDERS, 15"	SQ YD	10,874	10,874		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	28	28		
60108200	PIPE UNDERDRAINS 6"(SPECIAL)	FOOT	840	840		
60108206	PIPE UNDERRAINS TYPE 2, 6"	FOOT	8,500	8,500		

\* SPECIALTY ITEM



USER NAME = rober	DESIGNED - NH	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/7/2020	DATE - 1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	3
CONTRACT NO. 62K50			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE	100% STATE	100% STATE
				ROADWAY	SN 099-0260	SN 099-0028
				0004	0047	0047
				URBAN	URBAN	URBAN
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	2,137.5	2,137.5		
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	6	6		
63302000	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 2	EACH	4	4		
63302720	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6B	EACH	3	3		
63302905	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 10	EACH	6	6		
63800920	MODULAR GLARE SCREEN SYSTEM, TEMPORARY	FOOT	6,650.0	6,650.0		
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	8,499	8,499		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4,630	4,630		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	12	12		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12		
67100100	MOBILIZATION	L SUM	1	1		

\* SPECIALTY ITEM



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PLOT DATE = 2/7/2020	DATE - 1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	4
CONTRACT NO. 62K50			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE	100% STATE	100% STATE
				ROADWAY	SN 099-0260	SN 099-0028
				0004	0047	0047
	URBAN	URBAN	URBAN			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	300	300		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,300	3,300		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	12,100	12,100		
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	22,399	22,399		
70300905	PAVEMENT MARKING TAPE, TYPE IV 5"	FOOT	6,223	6,223		
70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	4,377	4,377		
70300912	PAVEMENT MARKING TAPE, TYPE IV, 12"	FOOT	551	551		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	10,487.5	10,487.5		
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	6		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21,488	21,488		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,605	1,605		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	236	236		

\* SPECIALTY ITEM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K50	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE	100% STATE	100% STATE
				ROADWAY	SN 099-0260	SN 099-0028
				0004	0047	0047
				URBAN	URBAN	URBAN
* 78003120	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"	FOOT	5,667	5,667		
* 78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	574	574		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2,237	2,237		
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	460	460		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,239	1,239		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	421	421		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,239	1,239		
X0320070	PROTECTIVE SHIELD REMOVAL	L SUM	1		1	
X0326650	FILLING EXISTING RUMBLE STRIP	FOOT	12,446	12,446		
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	10,395	10,395		
X5017305	PROTECTIVE SHIELD (PERMANENT)	SQ YD	2,085		2,085	
X6030205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	4	4		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	2,481	2,481		

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>F.A.I. ROUTE 55 (I-55) SUMMARY OF QUANTITIES</b>		
SCALE: N.T.S.	SHEET 4 OF 5 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K50	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE	100% STATE	100% STATE
				ROADWAY	SN 099-0260	SN 099-0028
				0004	0047	0047
URBAN	URBAN	URBAN				
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	14		12	2
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	9		9	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	37		26	11
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	416	416		
Z0064800	SELECTIVE CLEARING	UNIT	5	5		
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		

\* SPECIALTY ITEM  
Ø 0042

REV. - MS



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S.      SHEET 5 OF 5 SHEETS      STA.      TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	7
			CONTRACT NO. 62K50	
ILLINOIS			FED. AID PROJECT	

**LANDSCAPING TABLE**

FROM STATION	TO STATION	LT/RT	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SEEDING, CLASS 2A	EROSION CONTROL BLANKET
			POUND	POUND	POUND	ACRE	SQ YD
201+66.20	209+09.07	LT	3.42	3.42	3.42	0.04	184.00
201+72.07	208+45.44	RT	4.80	4.80	4.80	0.05	258.20
210+80.50	217+66.19	RT	3.34	3.34	3.34	0.04	179.60
294+03.42	300+55.42	LT	2.66	2.66	2.66	0.03	143.24
294+86.26	298+60.85	RT	4.26	4.26	4.26	0.05	228.85
303+11.73	309+48.68	LT	2.68	2.68	2.68	0.03	144.16
630+00.00	639+68.82	LT	3.95	3.95	3.95	0.04	212.33
636+43.14	638+45.20	RT	1.00	1.00	1.00	0.01	53.56
640+67.54	641+45.64	RT	0.39	0.39	0.39	0.00	21.05
641+83.12	647+02.21	LT	3.74	3.74	3.74	0.04	201.39
ROUNDED TOTAL			45	45	45	0.50	1,627

**PAVEMENT SCHEDULE**

FROM STATION	TO STATION	LT/RT	EARTH EXCAVATION	AGGREGATE SUBGRADE IMPROVEMENT	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	PAVED SHOULDER REMOVAL	HMA SHOULDERS, 15"	SHOULDER RUMBLE STRIPS, 16 INCH
			CU YD	CU YD	POUND	POUND	SQ YD	SQ YD	FOOT
201+66.20	209+09.07	LT	667.04	296.46	2,001.12	600.34	889.39	889.39	742.87
201+72.07	208+45.44	RT	543.66	241.63	1,630.98	489.29	724.88	724.88	670.85
210+80.50	217+66.19	RT	626.23	278.33	1,878.70	563.61	834.98	834.98	685.69
211+43.04	217+58.52	LT	512.11	227.60	1,536.32	460.90	682.81	682.81	615.48
291+48.63	298+60.85	RT	749.97	333.32	2,249.91	674.97	999.96	999.96	712.22
294+03.42	300+55.42	LT	546.92	243.07	1,640.75	492.22	729.22	729.22	652.17
301+14.00	305+28.71	RT	481.41	213.96	1,444.24	433.27	641.88	641.88	414.71
303+11.73	309+48.68	LT	559.30	248.58	1,677.90	503.37	745.73	745.73	637.22
630+00.00	638+45.20	RT	827.84	367.93	2,483.53	745.06	1,103.79	1,103.79	845.20
630+00.00	639+68.82	LT	1,010.32	449.03	3,030.97	909.29	1,347.10	1,347.10	968.82
640+67.54	649+00.00	RT	911.22	404.99	2,733.65	820.09	1,214.96	1,214.96	832.46
641+83.12	649+00.00	LT	718.80	319.47	2,156.40	646.92	958.40	958.40	720.62
ROUNDED TOTAL			8,155	3,625	24,465	7,340	10,874	10,874	8,499

**BARRIER WALL REFLECTORS, TYPE C**

FROM STATION	TO STATION	LT/RT	EACH
STAGE 2			
200+71.95	217+71.50	RT	68
201+61.99	218+48.76	LT	68
290+34.22	305+33.74	RT	60
293+94.02	310+05.58	LT	65
629+26.69	649+08.99	RT	79
630+00.00	650+05.49	LT	81
TOTAL			421

**TEMPORARY CONCRETE BARRIER**

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 2			
200+71.95	217+71.50	RT	1,700.00
201+61.99	218+48.76	LT	1,687.50
290+34.22	305+33.74	RT	1,500.00
293+94.02	310+05.58	LT	1,612.50
629+26.69	649+08.99	RT	1,975.00
630+00.00	650+05.49	LT	2,012.50
ROUNDED TOTAL			10,487.5

**REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A**

FROM STATION	TO STATION	LT/RT	FOOT
204+14.00	208+39.00	RT	400.00
206+82.00	209+11.00	LT	225.00
210+78.00	213+18.00	RT	237.50
295+11.00	298+61.00	RT	325.00
303+12.00	306+81.00	LT	287.50
636+43.00	638+45.00	RT	100.00
639+31.00	639+83.00	LT	50.00
640+50.00	641+46.00	RT	87.50
641+84.00	646+65.00	LT	425.00
ROUNDED TOTAL			2,137.5

**REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1**

FROM STATION	LT/RT	EACH
204+14.00	RT	1
295+11.00	RT	1
295+11.00	RT	1
306+81.00	LT	1
636+81.00	RT	1
646+65.00	LT	1
TOTAL		6

**REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 2**

FROM STATION	LT/RT	EACH
206+82.00	LT	1
213+18.00	RT	1
639+31.00	LT	1
641+66.00	RT	1
TOTAL		4

**PAVEMENT MARKING TAPE, TYPE IV 4"**

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 2			
198+58.41	219+85.22	RT	2,126.81
200+72.15	217+71.50	RT	1,699.35
199+48.23	220+71.87	LT	2,123.64
201+61.99	218+58.15	LT	1,696.16
288+34.83	307+47.49	RT	1,912.67
290+48.63	305+33.74	RT	1,485.11
291+80.32	306+67.48	LT	1,487.15
293+94.03	296+06.79	LT	212.76
626+44.99	650+95.16	RT	2,450.17
626+88.05	651+23.27	RT	2,435.22
627+87.60	652+11.50	LT	2,423.90
628+23.31	651+68.43	LT	2,345.13
ROUNDED TOTAL			22,399

**MODULAR GLARE SCREEN SYSTEM, TEMPORARY**

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 2			
198+58.41	220+71.87	CL	2,213.46
288+34.83	307+47.49	CL	1,912.67
626+45.14	651+68.53	CL	2,523.39
ROUNDED TOTAL			6,650.0

**REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6B**

FROM STATION	LT/RT	EACH
303+12.00	LT	1
638+03.00	RT	1
641+84.00	LT	1
TOTAL		3

**REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 10**

FROM STATION	LT/RT	EACH
208+39.00	RT	1
209+11.00	LT	1
210+78.00	RT	1
298+61.00	RT	1
639+83.00	LT	1
640+67.00	RT	1
TOTAL		6

**PAVEMENT MARKING TAPE, TYPE IV 5"**

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 2			
198+58.41	219+85.22	RT	1,063.41
199+48.23	220+71.87	LT	1,061.82
288+34.83	307+47.49	RT	956.33
291+80.32	306+67.48	LT	743.58
626+44.99	650+95.16	RT	1,225.09
628+23.31	651+68.43	LT	1,172.56
ROUNDED TOTAL			6,223

**PAVEMENT MARKING TAPE, TYPE IV 8"**

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 2			
198+58.41	200+72.15	RT	213.75
199+48.23	201+61.99	LT	213.75
217+71.50	219+85.22	RT	213.72
218+58.15	220+71.87	LT	213.72
288+34.83	290+48.63	RT	213.80
291+80.32	293+94.03	LT	213.70
296+06.79	311+84.22	LT	1,578.17
301+60.00	306+67.48	LT	1,014.96
305+33.74	307+47.49	RT	213.76
624+03.26	626+88.05	RT	287.23
ROUNDED TOTAL			4,377

**IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3**

FROM STATION	LT/RT	EACH
STAGE 2		
200+71.95	RT	1
218+48.76	LT	1
290+34.22	RT	1
310+05.58	LT	1
629+26.69	RT	1
650+05.49	LT	1
TOTAL		6



USER NAME = rober  
 PLOT SCALE = 2,000' / in.  
 PLOT DATE = 3/10/2020

DESIGNED - NH  
 DRAWN - NH  
 CHECKED - ST  
 DATE - 1/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
 SCHEDULE OF QUANTITIES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	8
				CONTRACT NO. 62K50
ILLINOIS FED. AID PROJECT				



**FILLING EXISTING RUMBLE STRIP**

FROM STATION	TO STATION	LT/RT	FOOT
198+58.41	219+85.22	RT	2,126.81
199+48.23	220+71.87	LT	2,123.64
288+34.83	307+47.49	RT	1,912.67
291+80.32	306+67.48	LT	1,487.15
626+44.99	650+95.16	RT	2,450.17
628+23.31	651+68.43	LT	2,345.13
ROUNDED TOTAL			12,446

**TEMPORARY INFORMATION SIGNING**

STATION	LT/RT	TYPE	SQ FT
196+59.00	RT	ALL TRAFFIC	32.00
196+59.00	RT	ALL TRAFFIC	32.00
222+72.00	LT	ALL TRAFFIC	32.00
222+72.00	LT	ALL TRAFFIC	32.00
286+36.00	RT	ALL TRAFFIC	32.00
286+36.00	RT	ALL TRAFFIC	32.00
308+67.00	LT	ALL TRAFFIC	32.00
308+67.00	LT	ALL TRAFFIC	32.00
313+84.00	LT	ALL TRAFFIC	32.00
622+03.00	RT	ALL TRAFFIC	32.00
624+87.00	RT	ALL TRAFFIC	32.00
654+12.00	LT	ALL TRAFFIC	32.00
654+12.00	LT	ALL TRAFFIC	32.00
ROUNDED TOTAL			416

**PAVEMENT MARKING TAPE, TYPE IV 12"**

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 2			
198+58.41	200+72.15	RT	59.16
199+48.23	201+61.99	LT	42.93
217+71.50	219+85.22	RT	81.01
218+58.15	220+71.87	LT	102.53
288+34.83	290+48.63	RT	48.90
291+80.32	293+94.03	LT	100.41
305+33.74	307+47.49	RT	115.17
ROUNDED TOTAL			551

**PAVEMENT MARKING REMOVAL - WATER BLASTING**

FROM STATION	TO STATION	LT/RT	SQ FT
198+58.00	219+85.00	RT	709.00
198+58.00	219+85.00	RT	709.00
198+58.00	219+85.00	RT	354.50
199+49.00	220+67.00	LT	706.00
199+49.00	220+67.00	LT	706.00
199+49.00	220+67.00	LT	353.84
288+35.00	307+47.00	RT	637.42
288+35.00	307+47.00	RT	318.71
290+02.00	307+47.00	RT	581.67
291+81.00	309+84.00	LT	667.96
291+81.00	306+07.00	LT	475.33
291+81.00	306+07.00	LT	237.71
626+45.00	650+94.00	RT	815.67
626+45.00	650+94.00	RT	756.12
626+45.00	650+94.00	RT	408.17
628+23.00	651+68.00	LT	784.13
628+23.00	651+68.00	LT	782.63
628+23.00	651+68.00	LT	390.83
ROUNDED TOTAL			10,395

**PINNING TEMPORARY CONCRETE BARRIER**

FROM STATION	TO STATION	LT/RT	EACH
STAGE 2			
200+71.95	217+71.50	RT	402
201+61.99	218+48.76	LT	399
290+34.22	305+33.74	RT	354
293+94.02	310+05.58	LT	381
629+26.69	649+08.99	RT	468
630+00.00	650+05.49	LT	477
ROUNDED TOTAL			2,481

**FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)**

FROM STATION	LT/RT	EACH
208+30.00	RT	1
208+87.00	LT	1
211+00.00	RT	1
211+52.00	LT	1
TOTAL		4

**PAVEMENT MARKING SCHEDULE**

FROM STATION	TO STATION	LT/RT	THERMOPLASTIC PAVEMENT MARKING			PREFORMED PLASTIC PAVEMENT MARKING, TYPE B		MODIFIED URETHANE PAVEMENT MARKING		RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
			LINE 4" FOOT	LINE 8" FOOT	LINE 12" FOOT	LINE 5" FOOT	LINE 8" FOOT	LINE 4" FOOT	LINE 12" FOOT		
198+58.00	208+98.00	RT	1,040.00								
198+58.00	208+76.00	RT	1,018.00								
198+58.00	201+72.00	RT		314.00							
198+58.00	208+91.00	RT				516.50					
198+58.00	219+85.00	RT							213	213	
199+49.00	209+09.00	LT	960.00								
199+49.00	209+24.00	LT				487.50					
199+49.00	220+67.00	LT							212	212	
199+66.00	209+32.00	LT	966.00								
199+89.00	201+66.00	LT		177.00							
205+45.00		LT			14.94						
205+55.00		RT			12.92						
208+76.00	210+57.00	RT					181.00				
208+83.00	210+64.00	RT					45.25				
208+86.00	210+46.00	RT						57.07			
208+91.00	210+72.00	RT					45.25				
208+98.00	210+80.00	RT						182.00			
209+09.00	210+90.00	LT						181.00			
209+16.00	210+97.00	LT					45.25				
209+24.00	211+05.00	LT					45.25				
209+32.00	211+13.00	LT						181.00			
209+42.00	211+02.00	LT						65.78			
210+57.00	217+66.00	RT	709.00								
210+64.00	219+85.00	RT				460.50					
210+80.00	219+85.00	RT	905.00								
210+90.00	220+67.00	LT	977.00								
210+97.00	220+67.00	LT				485.00					
211+13.00	217+59.00	LT	646.00								
212+45.00		LT			14.60						
212+56.00		RT			11.79						
217+55.00		RT			16.11						
217+59.00	220+67.00	LT		308.00							
217+66.00	219+85.00	RT		219.00							
288+35.00	299+57.00	RT	1,122.00								
288+35.00	299+35.00	RT				550.00					
288+35.00	307+47.00	RT							191	191	
290+02.00	291+48.00	RT		146.00							
291+48.00	298+94.00	RT	746.00								
291+81.00	299+86.00	LT	805.00								
291+81.00	294+04.00	LT		223.00							
291+81.00	300+28.00	LT				423.50					
291+81.00	306+07.00	LT							143	143	
294+04.00	300+72.00	LT	668.00								
298+00.00		LT			14.72						
298+03.00		RT			10.36						
298+94.00	301+05.00	RT					211.00				
298+94.00	300+94.00	RT						85.34			
299+13.00	301+52.00	RT					59.75				



USER NAME = rober  
 PLOT SCALE = 2,000' / in.  
 PLOT DATE = 3/24/2020

DESIGNED - NH  
 DRAWN - NH  
 CHECKED - ST  
 DATE - 1/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
 SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K50	

PAVEMENT MARKING SCHEDULE (CONTINUED)

FROM STATION	TO STATION	LT/RT	THERMOPLASTIC PAVEMENT MARKING			PREFORMED PLASTIC PAVEMENT MARKING, TYPE B		MODIFIED URETHANE PAVEMENT MARKING		RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
			LINE 4"	LINE 8"	LINE 12"	LINE 5"	LINE 8"	LINE 4"	LINE 12"		
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		
299+35.00	301+73.00	RT					59.50				
299+57.00	301+67.00	RT						210.00			
299+86.00	301+96.00	LT						210.00			
300+06.00	302+17.00	LT					52.75				
300+28.00	302+39.00	LT					52.75				
300+72.00	302+90.00	LT						218.00			
300+73.00	302+73.00	LT							54.97		
301+05.00	305+29.00	RT	424.00								
301+52.00	307+47.00	LT				297.50					
301+67.00	307+47.00	RT	580.00								
301+96.00	306+07.00	LT	411.00								
301+96.00	306+07.00	RT				205.50					
302+90.00	309+48.00	LT	658.00								
303+21.00		RT			26.09						
305+29.00	307+47.00	RT		218.00							
308+11.00		LT			12.16						
626+45.00	639+13.00	RT	1,268.00								
626+45.00	639+02.00	RT				628.50					
626+45.00	650+94.00	RT							245	245	
628+17.00	638+77.00	RT	1,060.00								
628+23.00	639+83.00	LT	1,160.00								
628+23.00	639+49.00	LT	1,126.00								
628+23.00	639+72.00	LT				574.50					
628+23.00	651+68.00	LT							235	235	
630+03.00		RT			16.29						
630+65.00		LT			14.62						
635+04.00		RT			17.41						
635+65.00		LT			17.41						
638+77.00	640+48.00	RT						171.00			
638+85.00	640+45.00	RT							95.08		
638+90.00	640+59.00	RT				42.25					
639+02.00	640+70.00	RT				42.00					
639+13.00	640+81.00	RT						168.00			
639+49.00	641+17.00	LT						168.00			
639+60.00	641+28.00	LT				42.00					
639+72.00	641+39.00	LT				41.75					
639+83.00	641+39.00	LT						156.00			
639+94.00	641+54.00	LT							100.86		
640+48.00	651+94.00	RT	1,146.00								
640+59.00	650+94.00	RT				517.50					
640+81.00	650+94.00	RT	1,013.00								
641+17.00	651+68.00	LT	1,051.00								
641+28.00	651+68.00	LT				520.00					
641+39.00	651+68.00	LT	1,029.00								
645+67.00		LT			17.78						
646+02.00		RT			18.05						
ROUNDED TOTAL			21,488	1,605	236	5,667	574	2,237	460	1,239	1,239



USER NAME = rober  
 PLOT SCALE = 2,000' / in.  
 PLOT DATE = 2/7/2020

DESIGNED - NH  
 DRAWN - NH  
 CHECKED - ST  
 DATE - 1/2020

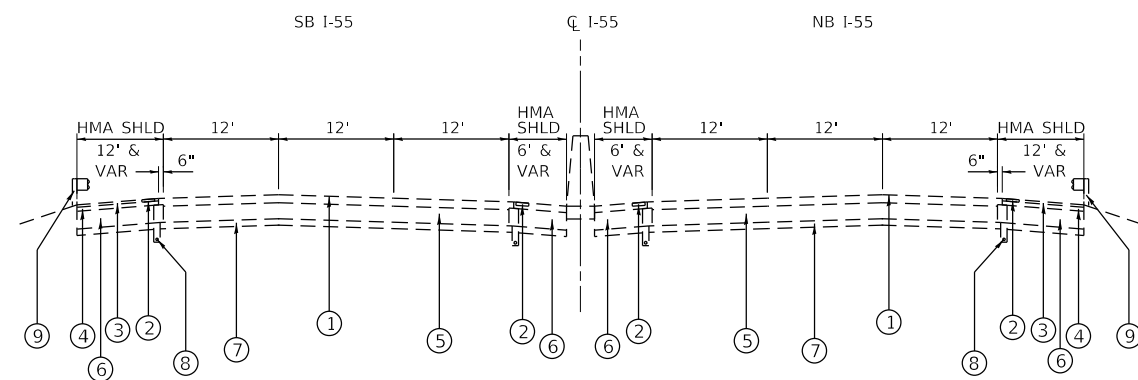
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
 SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	10
CONTRACT NO. 62K50			ILLINOIS FED. AID PROJECT	

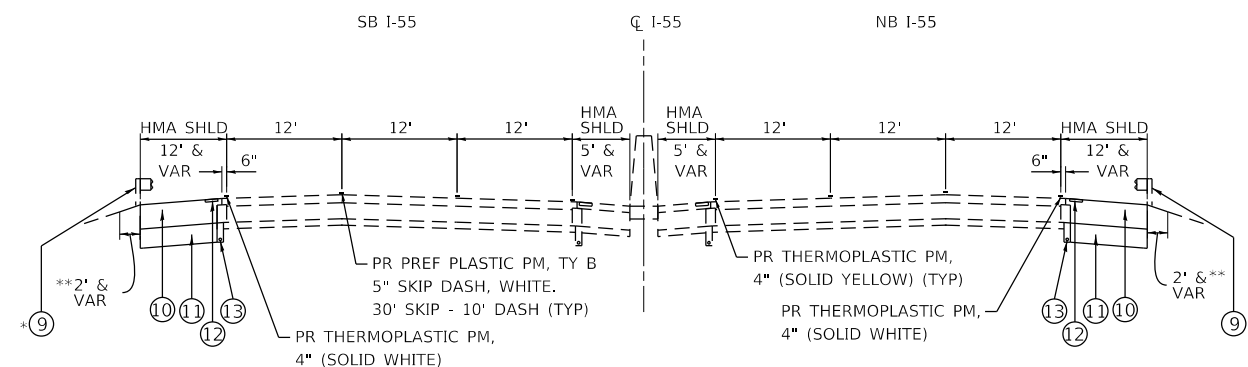


**EXISTING TYPICAL SECTION**

STA 198+58.55 TO STA 220+67.00  
 EX STRUCTURE AND BRIDGE  
 APPROACH SLAB OMISSION  
 STA 208+73.74 TO STA 211+14.62

**EXISTING LEGEND**

- ① EXISTING HMA PAVEMENT 5"
- ② EXISTING SHOULDER RUMBLE STRIP, 16"
- ③ EXISTING HMA SURFACE COURSE, 1 1/2"
- ④ EXISTING HMA BINDER COURSE, 2 1/2"
- ⑤ EXISTING P.C.C. PAVEMENT, 10"
- ⑥ EXISTING HMA SHOULDER, 10"
- ⑦ EXISTING SUB-BASE MATL., 4"
- ⑧ EXISTING PIPE UNDERDRAIN
- ⑨ EXISTING GUARDRAIL



**PROPOSED TYPICAL SECTION**

STA 198+58.55 TO STA 220+67.00  
 EX STRUCTURE AND BRIDGE  
 APPROACH SLAB OMISSION  
 STA 208+73.74 TO STA 211+14.62

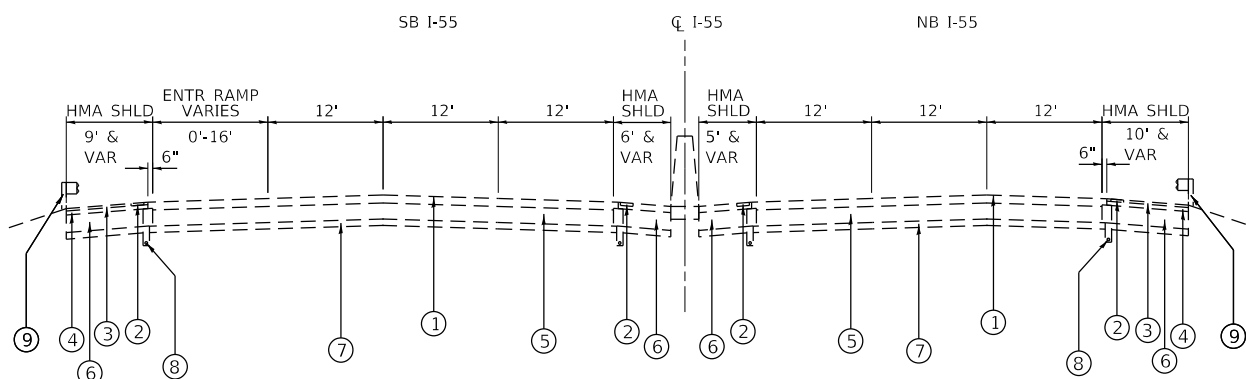
**PROPOSED LEGEND**

- ⑩ PROPOSED HMA SHOULDERS, 15"
- ⑪ PROPOSED AGGREGATE SUBGRADE 12"
- ⑫ PROPOSED RUMBLE STRIP, 16"
- ⑬ PROPOSED PIPE UNDERDRAINS, TYPE 2, 6"

\*EXISTING GUARDRAIL TO BE REMOVED AND RE-ERECTED.  
 SB: STA 206+82.00 TO STA 209+11.00  
 NB: STA 204+14.00 TO STA 208+39.00  
 NB: STA 210+79.98 TO STA 213+17.62

\*\* SEEDING CLASS 2A & MULCH (METHOD 2).  
 SB: STA 201+66.00 TO STA 209+11.00  
 NB: STA 201+72.00 TO STA 208+39.00  
 NB: STA 210+78.00 TO STA 217+66.00

**S.N. 099-0260**  
**FAI-55 OVER IL RTE 53**  
**LOOKING NORTHEAST**

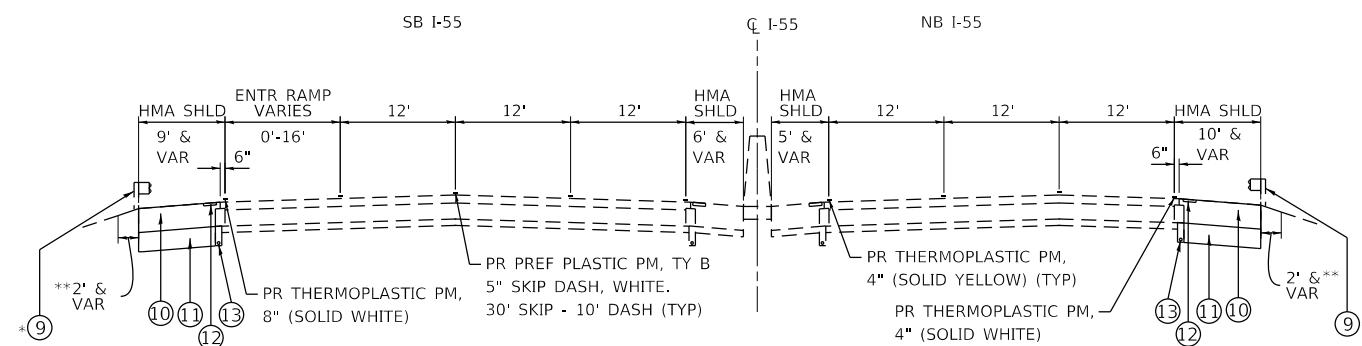


**EXISTING TYPICAL SECTION**

STA 288+34.82 TO STA 309+48.69  
 EX STRUCTURE AND BRIDGE  
 APPROACH SLAB OMISSION  
 STA 299+37.17 TO STA 302+07.82

**EXISTING LEGEND**

- ① EXISTING HMA PAVEMENT 5"
- ② EXISTING SHOULDER RUMBLE STRIP, 16"
- ③ EXISTING HMA SURFACE COURSE, 1 1/2"
- ④ EXISTING HMA BINDER COURSE, 2 1/2"
- ⑤ EXISTING P.C.C. PAVEMENT, 10"
- ⑥ EXISTING HMA SHOULDER, 10"
- ⑦ EXISTING SUB-BASE MATL., 4"
- ⑧ EXISTING PIPE UNDERDRAIN
- ⑨ EXISTING GUARDRAIL



**PROPOSED TYPICAL SECTION**

STA 288+34.82 TO STA 309+48.69  
 EX STRUCTURE AND BRIDGE  
 APPROACH SLAB OMISSION  
 STA 299+37.17 TO STA 302+07.82

**PROPOSED LEGEND**

- ⑩ PROPOSED HMA SHOULDERS, 15"
- ⑪ PROPOSED AGGREGATE SUBGRADE 12"
- ⑫ PROPOSED RUMBLE STRIP, 16"
- ⑬ PROPOSED PIPE UNDERDRAINS, TYPE 2, 6"

\*EXISTING GUARDRAIL TO BE REMOVED AND RE-ERECTED.  
 SB: STA 303+27.88 TO STA 306+80.67  
 NB: STA 295+11.82 TO STA 298+59.27

\*\* SEEDING CLASS 2A & MULCH (METHOD 2).  
 SB: STA 294+10.70 TO STA 300+55.00  
 SB: STA 303+11.56 TO STA 309+48.32  
 NB: STA 294+86.26 TO STA 298+60.87

**S.N. 099-0028**  
**FAI-55 OVER JOLIET RD**  
**LOOKING NORTHEAST**



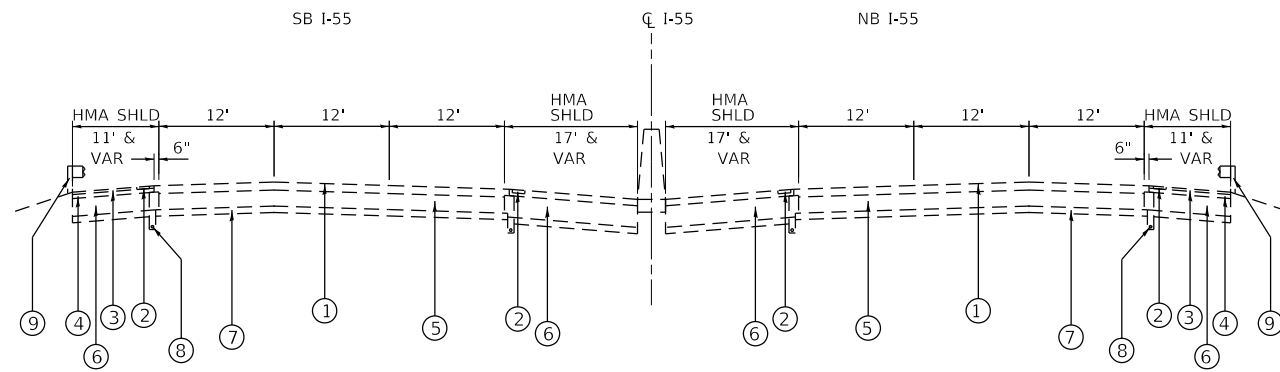
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PLOT DATE = 3/10/2020	DATE - 1/2020	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
 TYPICAL SECTIONS

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	11
			CONTRACT NO. 62K50	
ILLINOIS FED. AID PROJECT				



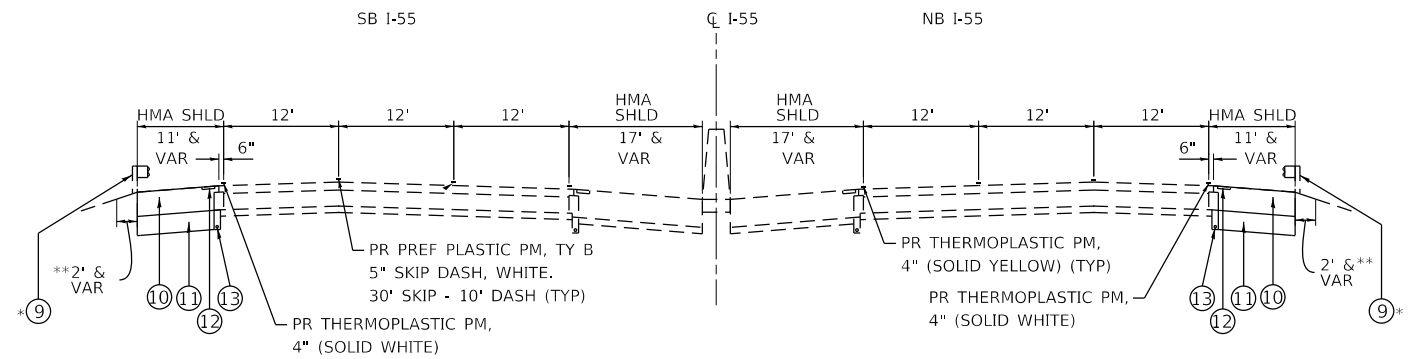
**EXISTING TYPICAL SECTION**

STA 626+45.00 TO STA 651+68.42  
 EX STRUCTURE AND BRIDGE  
 APPROACH SLAB OMISSION  
 STA 639+01.47 TO STA 641+33.66

**EXISTING LEGEND**

- ① EXISTING HMA PAVEMENT 5"
- ② EXISTING SHOULDER RUMBLE STRIP, 16"
- ③ EXISTING HMA SURFACE COURSE, 1 1/2"
- ④ EXISTING HMA BINDER COURSE, 2 1/2"
- ⑤ EXISTING P.C.C. PAVEMENT, 10"
- ⑥ EXISTING HMA SHOULDER, 10"
- ⑦ EXISTING SUB-BASE MATL., 4"
- ⑧ EXISTING PIPE UNDERDRAIN
- ⑨ EXISTING GUARDRAIL

\*EXISTING GUARDRAIL TO BE REMOVED AND RE-ERECTED.  
 NB: STA 636+81.27 TO STA 638+53.33  
 NB: STA 640+50.58 TO STA 641+43.91  
 SB: STA 639+30.86 TO STA 639+81.33  
 SB: STA 641+76.47 TO STA 646+64.72



**PROPOSED TYPICAL SECTION**

STA 626+45.00 TO STA 651+68.42  
 EX STRUCTURE AND BRIDGE  
 APPROACH SLAB OMISSION  
 STA 639+01.47 TO STA 641+33.66

**PROPOSED LEGEND**

- ⑩ PROPOSED HMA SHOULDERS, 15"
- ⑪ PROPOSED AGGREGATE SUBGRADE 12"
- ⑫ PROPOSED RUMBLE STRIP, 16"
- ⑬ PROPOSED PIPE UNDERDRAINS, TYPE 2, 6"

\*\* SEEDING CLASS 2A & MULCH (METHOD 2).  
 SB: STA 630+00.00 TO STA 639+70.00  
 SB: STA 641+97.48 TO STA 647+02.20  
 NB: STA 636+43.44 TO STA 638+33.17  
 NB: STA 640+65.56 TO STA 641+45.96

**S.N. 022-0003**  
**FAI-55 OVER MADISON ST**  
**LOOKING NORTHEAST**

USER NAME = rober	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
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PLOT DATE = 3/10/2020	DATE - 1/2020	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	12
CONTRACT NO. 62K50				
ILLINOIS FED. AID PROJECT				

**MAINTENANCE OR TRAFFIC GENERAL NOTES**

BRIDGE DECK PATCHING AND SHOULDER RECONSTRUCTION

1. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS SHALL BE REMOVED. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PAVEMENT MARKING REMOVAL - WATER BLASTING.
3. EXISTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT CONFLICT WITH THE REVISED TRAFFIC PATTERN SHALL BE REMOVED FROM THE EXISTING CASTINGS LOCATED IN THE PAVEMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RAISED REFLECTIVE PAVEMENT MARKER REMOVAL.
4. THE REMOVAL OF ALL PAVEMENT MARKING TAPE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE SQUARE FOOT FOR SHORT TERM PAVEMENT MARKING REMOVAL.
5. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR ANY SHORT TERM PAVEMENT MARKINGS ON FINAL SURFACES.
6. ALL TRAFFIC CONTROL DEVICES SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN THE TRAFFIC CONTROL SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
7. ALL DRUMS, VERTICAL PANELS, AND BARRICADES ADJACENT TO THE EDGE OF THE TRAVELED WAY SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
8. FOR STABILIZATION, ANY REQUIRED TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
9. EXISTING SIGNS WITHIN THE LIMITS OF TRAFFIC CONTROL WHICH ARE OBSTRUCTED BY OR OTHERWISE INTERFERED WITH BY CONSTRUCTION OPERATIONS OF DESIGNATED TRAFFIC CONTROL, SHALL BE COVERED OR REMOVED BY THE CONTRACTOR UNLESS SPECIFIED IN THE PLANS OR WHEN DIRECTED BY THE ENGINEER. THIS WORK SHALL BE AS SPECIFIED IN ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
10. CHANGEABLE MESSAGE BOARDS WILL BE PLACED 2 WEEKS PRIOR TO START OF WORK, AT LOCATIONS DETERMINED BY THE ENGINEER, FOR ADVANCED WARNING.
11. SEE STRUCTURAL PLANS FOR BRIDGE DECK REPAIR INFORMATION.
12. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.
13. THE CONTRACTOR SHALL CONTACT RICK WILLMAN, PACE TRANSPORTATION ENGINEER, VIA EMAIL AT RICHARD.WILLMAN@PACEBUS.COM A MINIMUM OF 2 WEEKS IN ADVANCE OF BEGINNING ANY WORK.
14. THE ENGINEER SHALL CONTACT REGINA COOPER, AREA EXPRESSWAY TRAFFIC ENGINEER, VIA EMAIL AT REGINA.COOPER2@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

**SUGGESTED SEQUENCE OF OPERATIONS**

STAGE 1

1. RESURFACE EXISTING RUMBLE STRIPS UTILIZING HIGHWAY STANDARD 701400, 701401, 701428, AND 701446.
2. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE PLANS.
3. AT EACH LOCATION, SHIFT NB AND SB TRAFFIC ONTO THE RESPECTIVE INSIDE SHOULDER UTILIZING DISTRICT STANDARD TC-09 AND AS SHOWN IN THE PLANS.
4. CLOSE NB AND SB OUTSIDE SHOULDERS UTILIZING DISTRICT STANDARD TC-17 AND AS SHOWN IN THE PLANS.
5. REMOVE EXISTING GUARDRAILS AND REMOVE AND RECONSTRUCT OUTSIDE SHOULDERS IN THE NB AND SB DIRECTION AT ALL THREE LOCATIONS AS SHOWN IN THE PLANS.
6. INSTALL PROTECTIVE SHIELD (PERMANENT) AT LOCATIONS SHOWN IN THE PLANS UTILIZING HIGHWAY STANDARDS 701501, 701601, 701701 AS WELL AS DISTRICT STANDARD TC-10, TC-14, AND TC-22.
7. ADJUST EXISTING DRAINAGE STRUCTURES AS REQUIRED.
8. RE-ERECT EXISTING GUARDRAILS AS REQUIRED.

STAGE 2

1. PERFORM BRIDGE DECK REPAIRS UTILIZING HIGHWAY STANDARDS 701400, 701401, 701428, & 701446 AS WELL AS DISTRICT STANDARDS TC-09 & TC-17.

POST-STAGE

1. PLACE PERMANENT PAVEMENT MARKINGS AND RESTORE SHOULDER RUMBLE STRIPS UTILIZING HIGHWAY STANDARD 701400, 701401, 701428, AND 701446 AS WELL AS DISTRICT STANDARD TC-09 & TC-17.



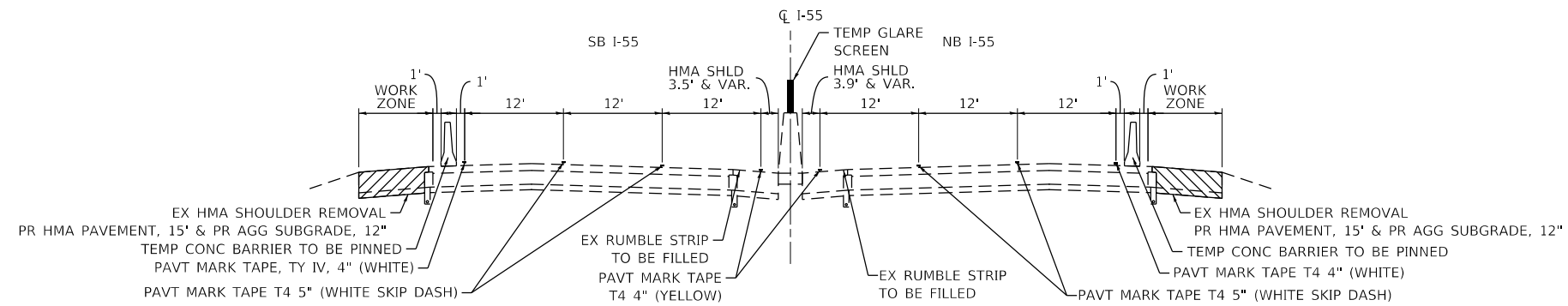
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PLOT DATE = 3/24/2020	DATE - 1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
STAGING GENERAL NOTES**

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

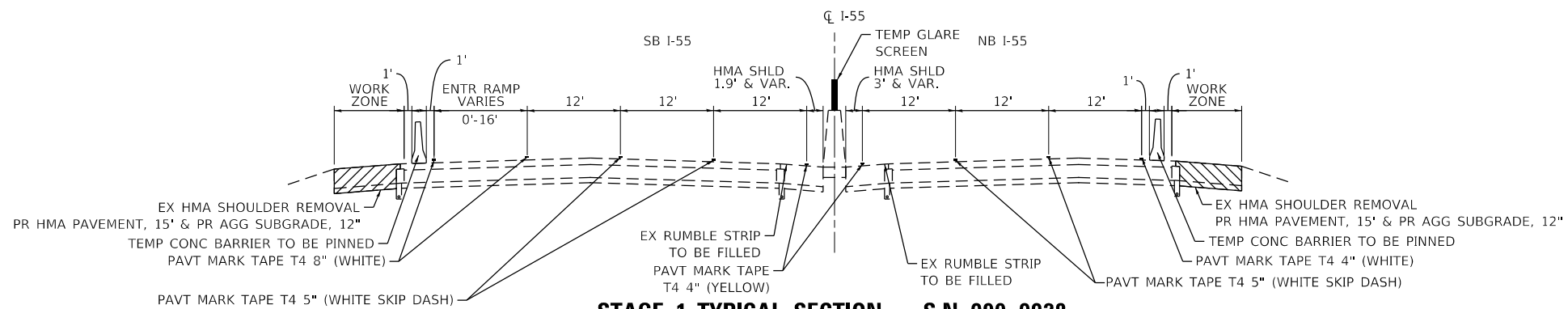
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	13
CONTRACT NO. 62K50				
ILLINOIS FED. AID PROJECT				



**STAGE 1 TYPICAL SECTION – S.N. 099-0260**

FAI-55 OVER IL RTE 53  
LOOKING NORTHEAST

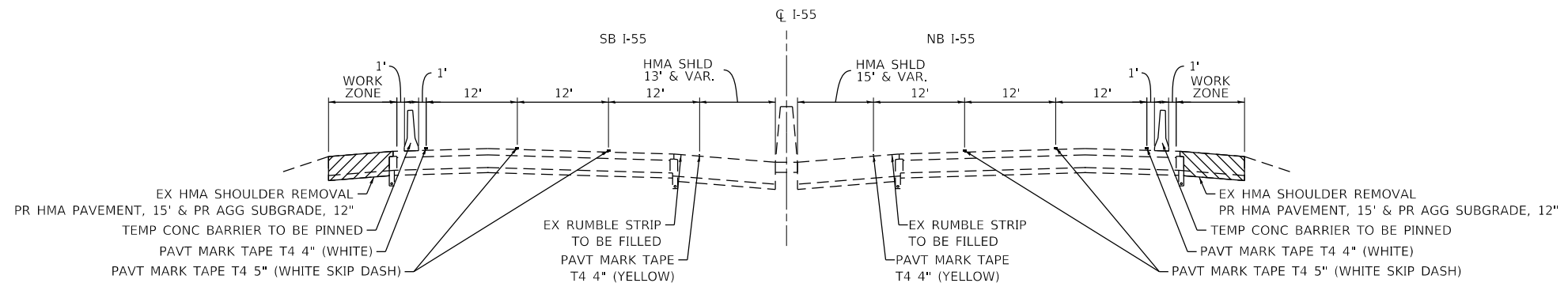
NOTE: PATCHING WORK SHALL BE COMPLETED AFTER SHOULDER REMOVAL



**STAGE 1 TYPICAL SECTION – S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST

NOTE: PATCHING WORK SHALL BE COMPLETED AFTER SHOULDER REMOVAL



**STAGE 1 TYPICAL SECTION – S.N. 022-0003**

FAI-55 OVER MADISON ST  
LOOKING NORTHEAST

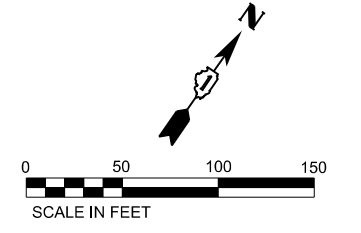
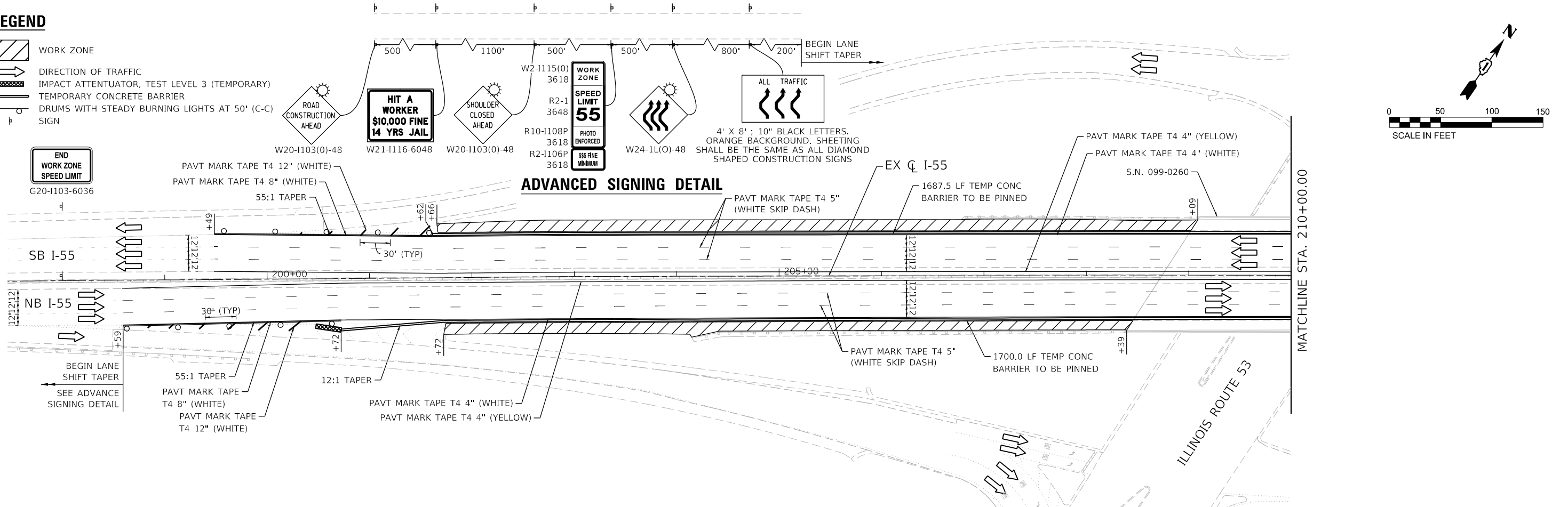
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PLOT DATE = 3/10/2020	DATE - 1/2020	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	14
			CONTRACT NO. 62K50	
ILLINOIS FED. AID PROJECT				

**LEGEND**

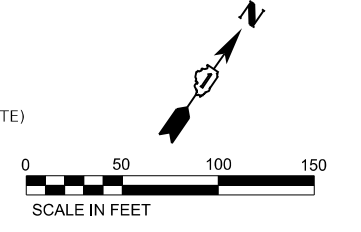
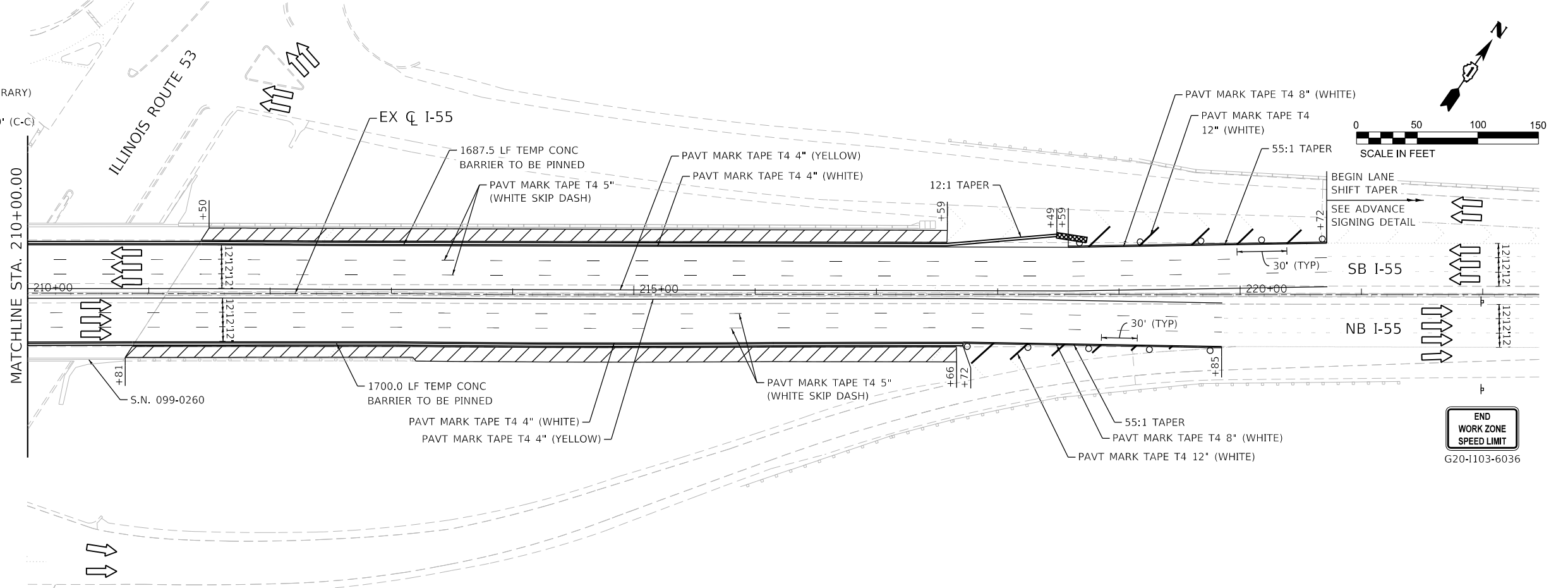
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
- SIGN

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



**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
- SIGN



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



USER NAME = rober	DESIGNED - RC	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RC	REVISED -
PLOT DATE = 3/24/2020	CHECKED - ST	REVISED -
	DATE - 1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55) OVER IL RTE 53  
S.N. 099-0260 STAGING PLAN - STAGE 1**

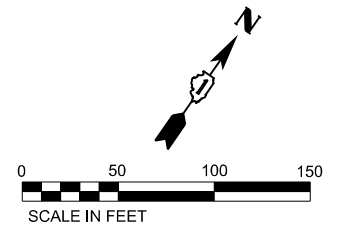
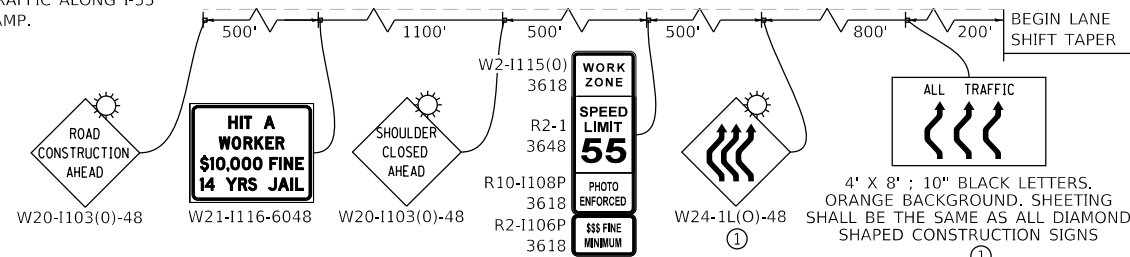
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	15
CONTRACT NO. 62K50				
ILLINOIS FED. AID PROJECT				

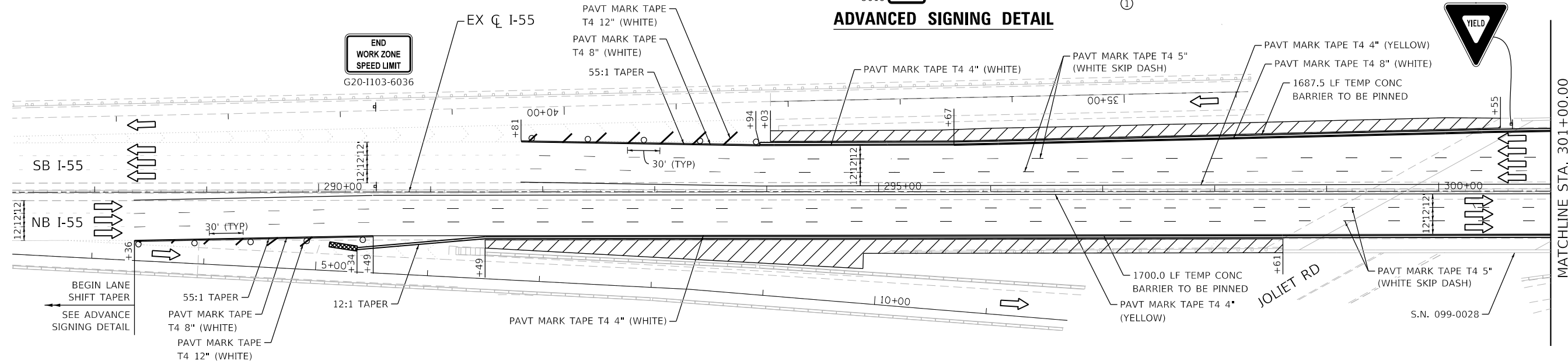
**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
- SIGN

① THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC ALONG I-55 AND ENTRANCE RAMP.

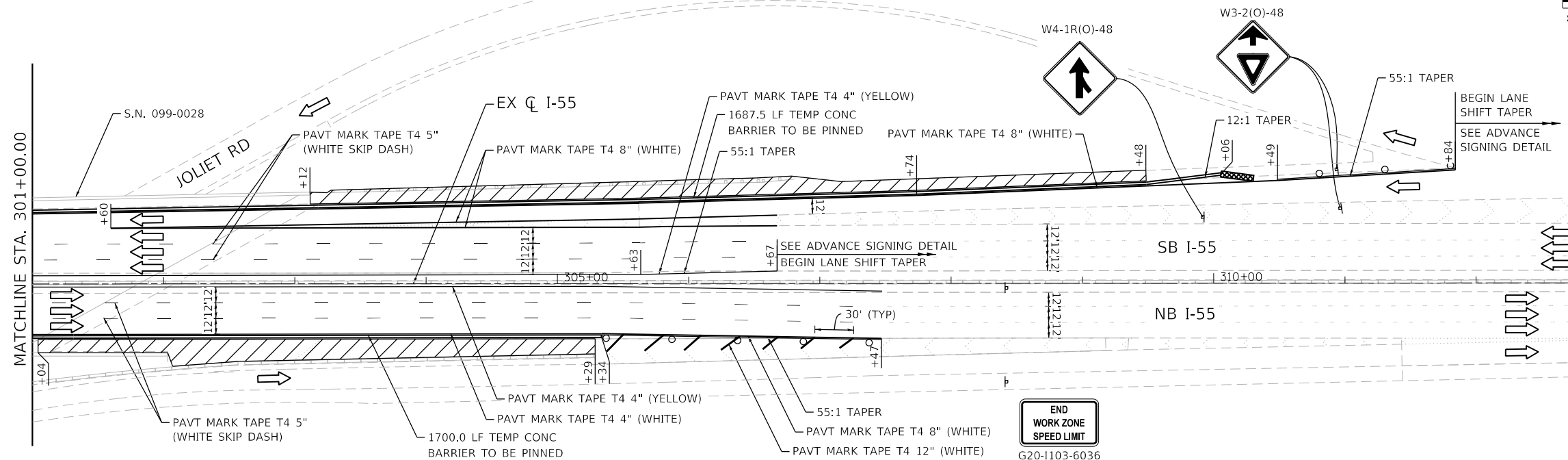
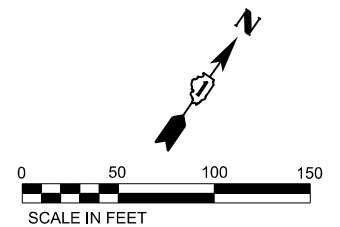


**ADVANCED SIGNING DETAIL**



**LEGEND**

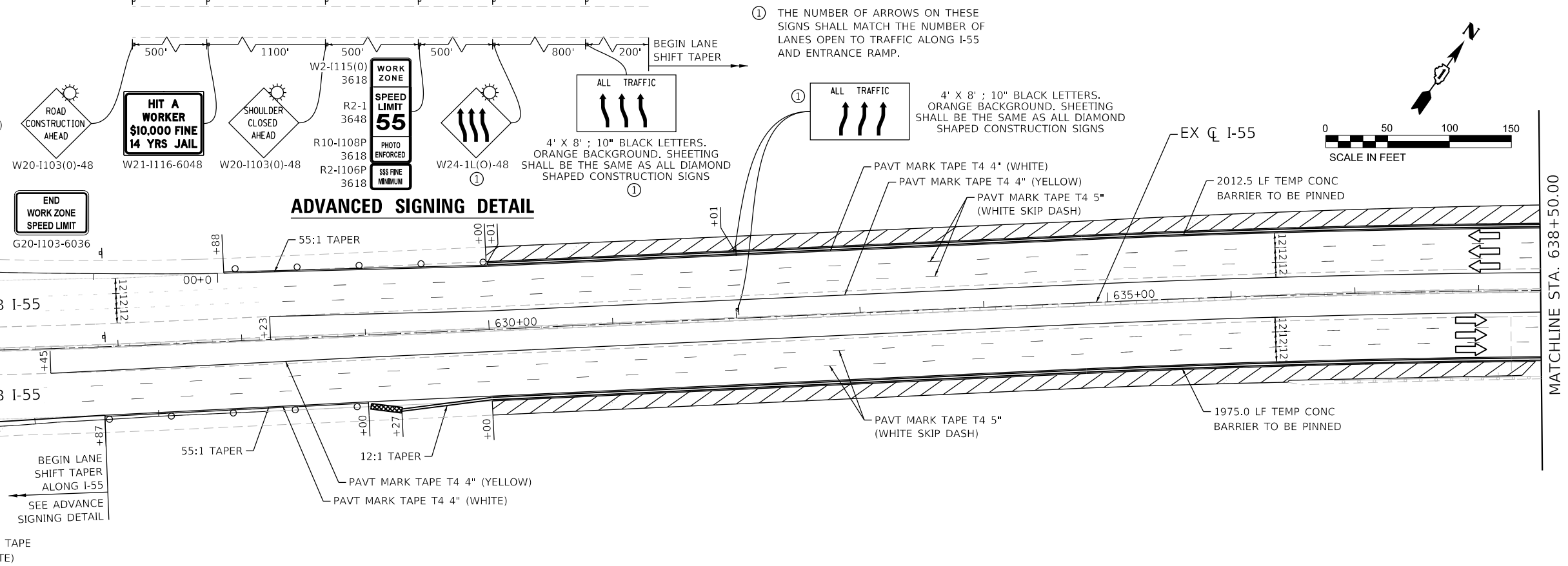
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
- SIGN





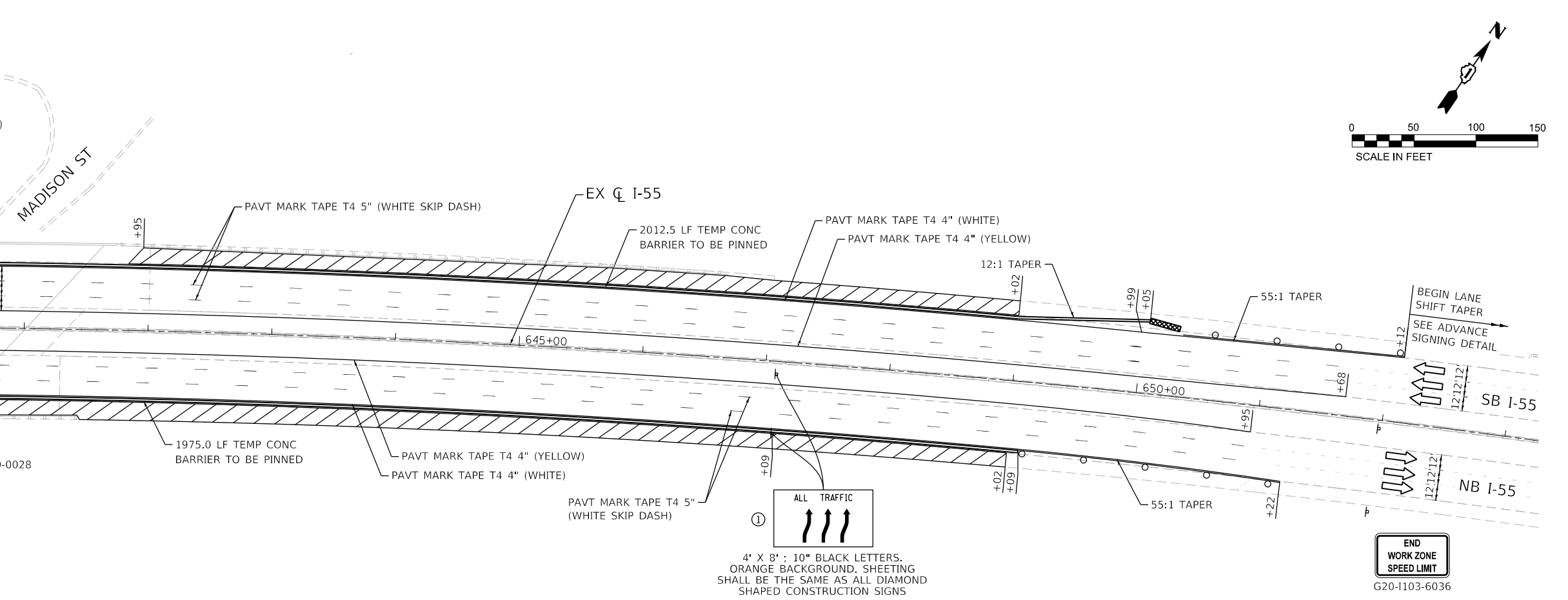
**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
- SIGN



**LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
- SIGN



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PLOT SCALE = 100,000' / in.	DRAWN - RC	REVISED -
PLOT DATE = 3/24/2020	CHECKED - ST	REVISED -
	DATE - 1/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55) OVER MADISON ST  
S.N. 022-0003 STAGING PLAN - STAGE 1

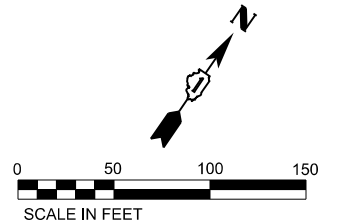
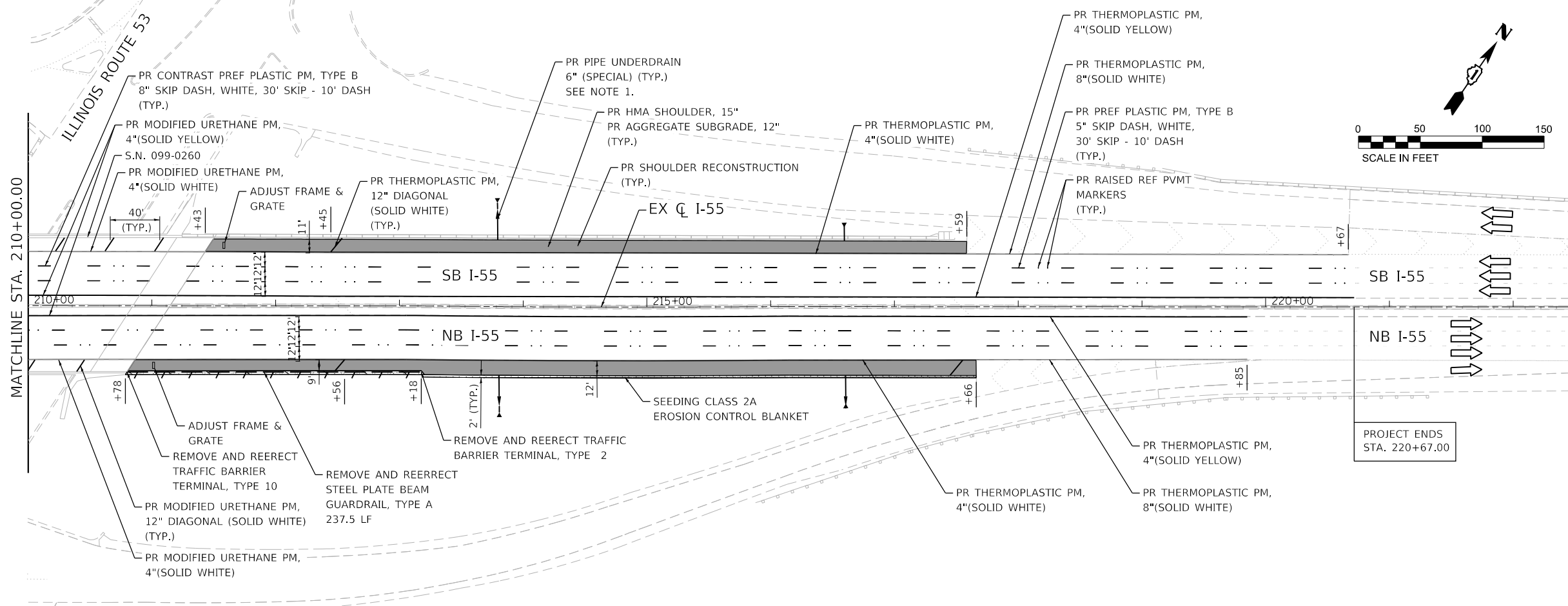
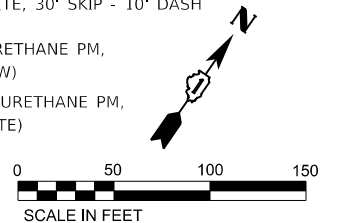
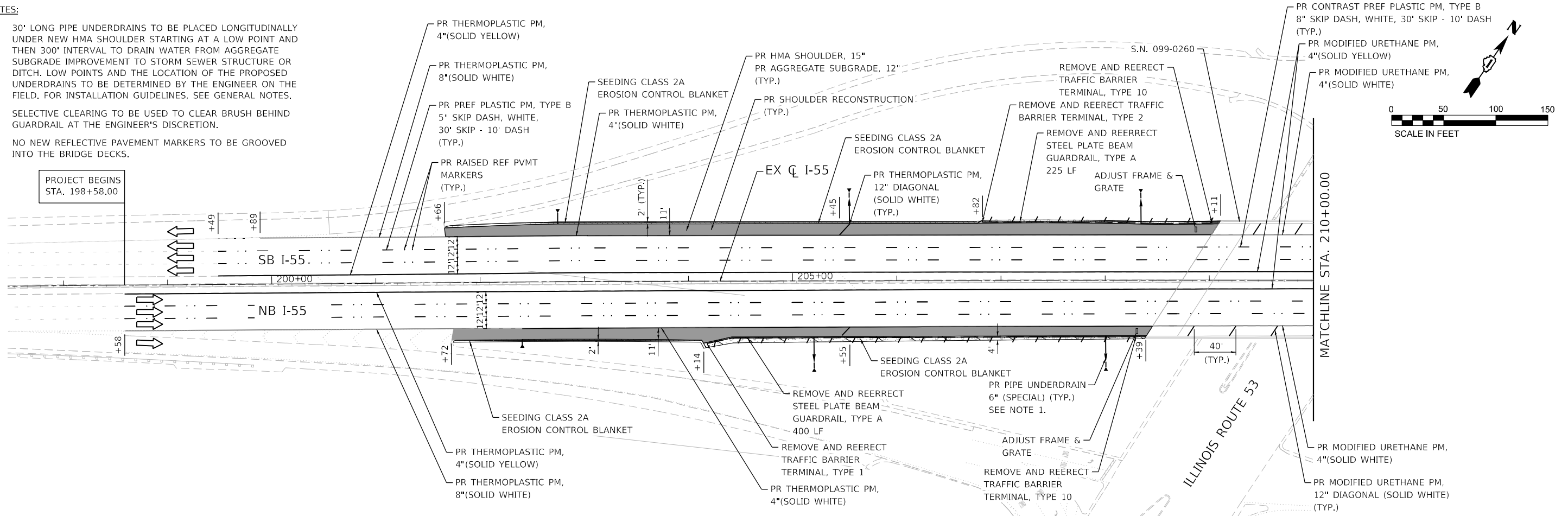
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	17
CONTRACT NO. 62K50				
ILLINOIS FED. AID PROJECT				

**NOTES:**

- 30' LONG PIPE UNDERDRAINS TO BE PLACED LONGITUDINALLY UNDER NEW HMA SHOULDER STARTING AT A LOW POINT AND THEN 300' INTERVAL TO DRAIN WATER FROM AGGREGATE SUBGRADE IMPROVEMENT TO STORM SEWER STRUCTURE OR DITCH. LOW POINTS AND THE LOCATION OF THE PROPOSED UNDERDRAINS TO BE DETERMINED BY THE ENGINEER ON THE FIELD. FOR INSTALLATION GUIDELINES, SEE GENERAL NOTES.
- SELECTIVE CLEARING TO BE USED TO CLEAR BRUSH BEHIND GUARDRAIL AT THE ENGINEER'S DISCRETION.
- NO NEW REFLECTIVE PAVEMENT MARKERS TO BE GROOVED INTO THE BRIDGE DECKS.

PROJECT BEGINS  
STA. 198+58.00



PROJECT ENDS  
STA. 220+67.00



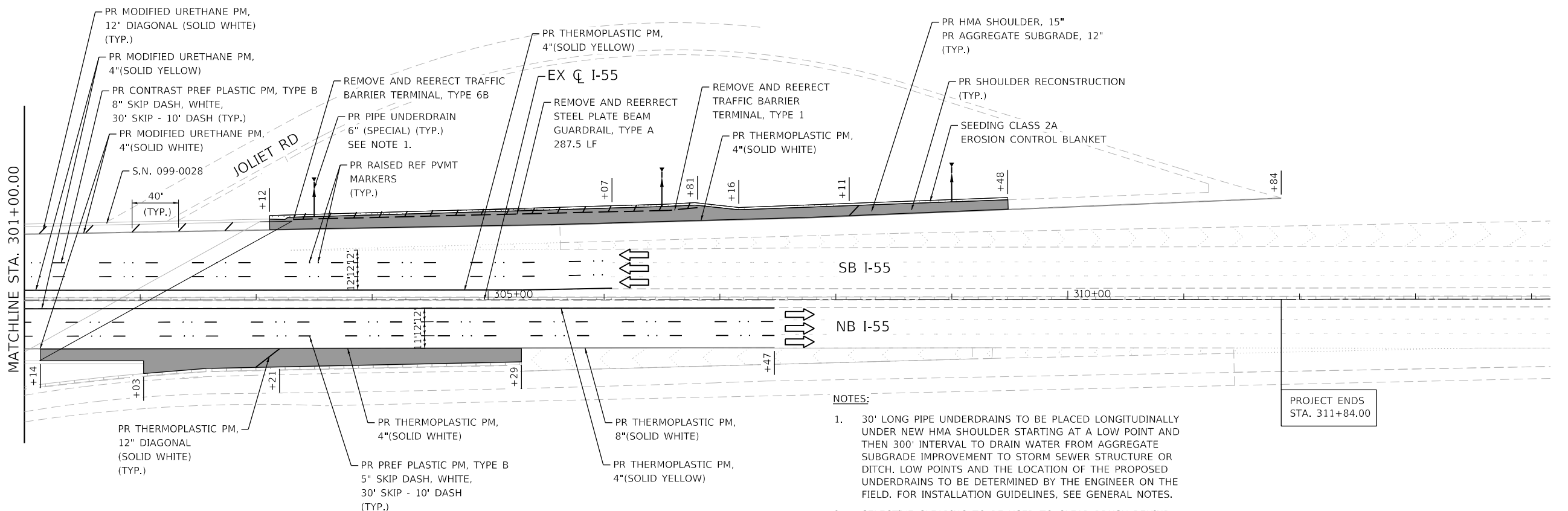
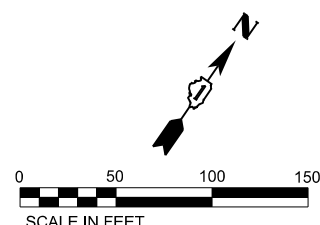
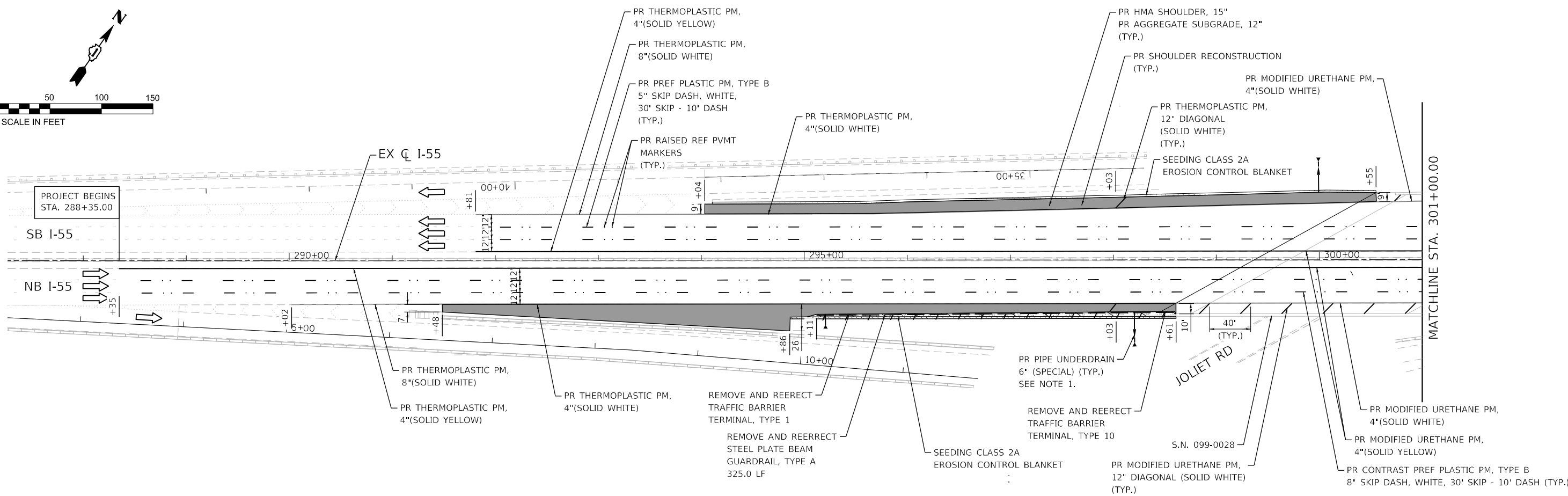
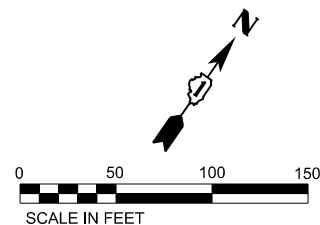
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55) OVER IL RTE 53  
S.N. 099-0260 ROADWAY PLAN**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 198+00.00 TO STA. 222+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K50	



- NOTES:
- 30' LONG PIPE UNDERDRAINS TO BE PLACED LONGITUDINALLY UNDER NEW HMA SHOULDER STARTING AT A LOW POINT AND THEN 300' INTERVAL TO DRAIN WATER FROM AGGREGATE SUBGRADE IMPROVEMENT TO STORM SEWER STRUCTURE OR DITCH. LOW POINTS AND THE LOCATION OF THE PROPOSED UNDERDRAINS TO BE DETERMINED BY THE ENGINEER ON THE FIELD. FOR INSTALLATION GUIDELINES, SEE GENERAL NOTES.
  - SELECTIVE CLEARING TO BE USED TO CLEAR BRUSH BEHIND GUARDRAIL AT THE ENGINEER'S DISCRETION.
  - NO NEW REFLECTIVE PAVEMENT MARKERS TO BE GROOVED INTO THE BRIDGE DECKS.



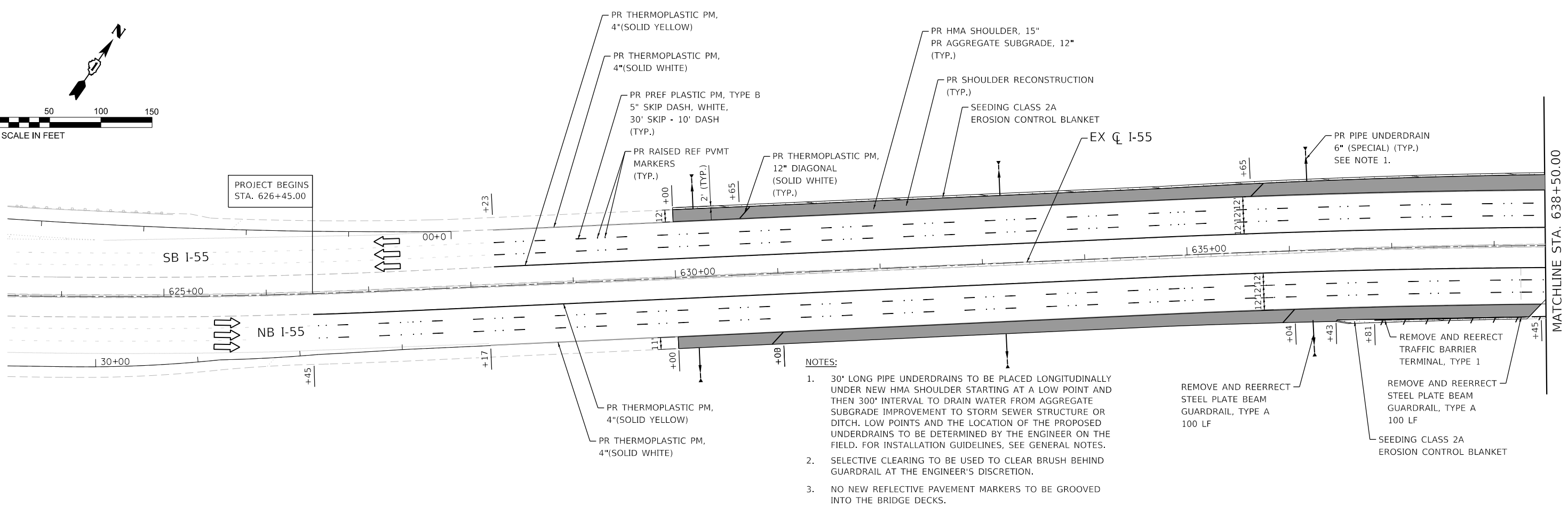
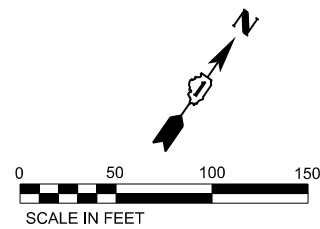
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PLOT DATE = 3/10/2020	CHECKED - ST	REVISED -
	DATE - 1/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55) OVER JOLIET RD  
S.N. 099-0028 ROADWAY PLAN

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 288+00.00 TO STA. 314+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	19
			CONTRACT NO. 62K50	
ILLINOIS FED. AID PROJECT				

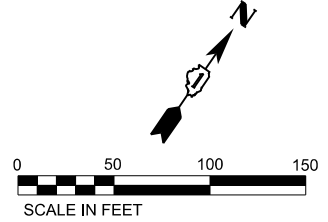
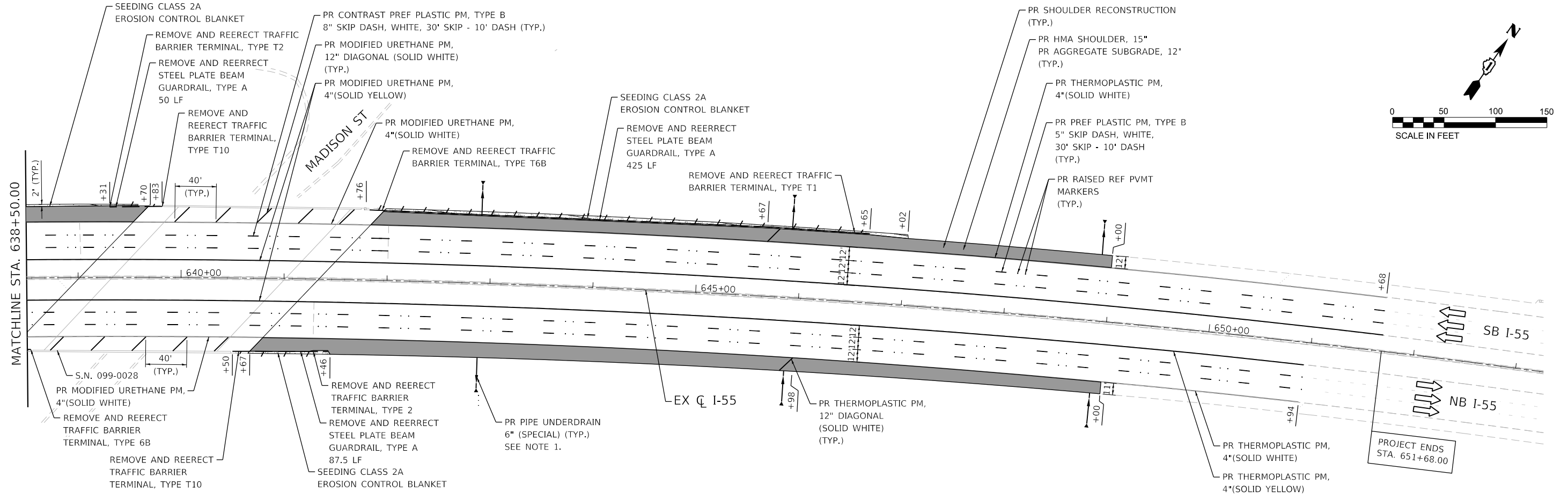


- NOTES:**
- 30' LONG PIPE UNDERDRAINS TO BE PLACED LONGITUDINALLY UNDER NEW HMA SHOULDER STARTING AT A LOW POINT AND THEN 300' INTERVAL TO DRAIN WATER FROM AGGREGATE SUBGRADE IMPROVEMENT TO STORM SEWER STRUCTURE OR DITCH. LOW POINTS AND THE LOCATION OF THE PROPOSED UNDERDRAINS TO BE DETERMINED BY THE ENGINEER ON THE FIELD. FOR INSTALLATION GUIDELINES, SEE GENERAL NOTES.
  - SELECTIVE CLEARING TO BE USED TO CLEAR BRUSH BEHIND GUARDRAIL AT THE ENGINEER'S DISCRETION.
  - NO NEW REFLECTIVE PAVEMENT MARKERS TO BE GROOVED INTO THE BRIDGE DECKS.

REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 1

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A 100 LF

SEEDING CLASS 2A EROSION CONTROL BLANKET



S.N. 099-0028

PR MODIFIED URETHANE PM, 4"(SOLID WHITE)

REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 6B

REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE T10

REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 2

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A 87.5 LF

SEEDING CLASS 2A EROSION CONTROL BLANKET

PR PIPE UNDERDRAIN 6" (SPECIAL) (TYP.) SEE NOTE 1.



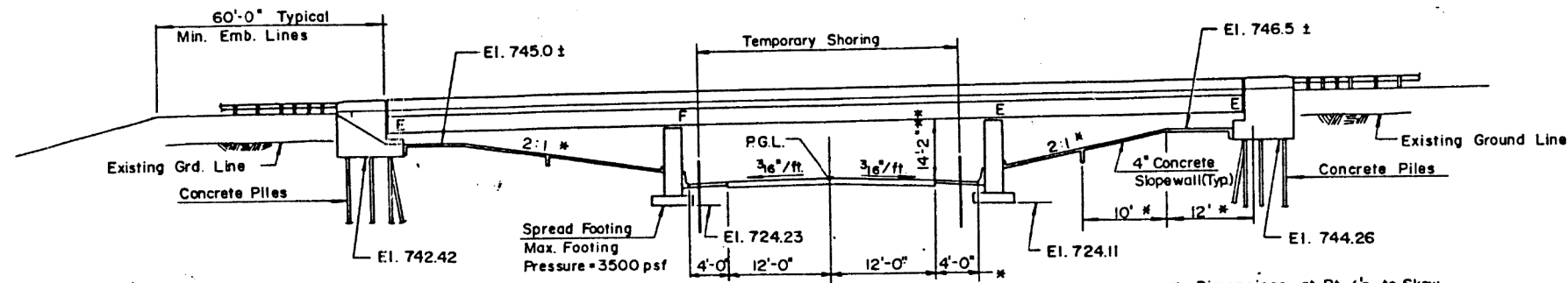
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PLOT DATE = 3/10/2020	CHECKED - ST	REVISED -
	DATE - 1/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55) OVER MADISON ST  
S.N. 022-0003 ROADWAY PLAN**

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 624+00.00 TO STA. 653+00.00

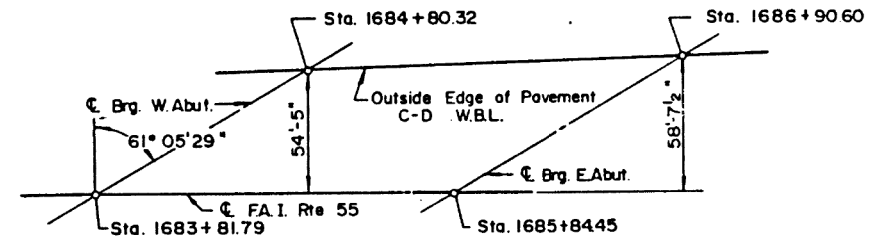
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	DUPAGE/WILL	37	20
CONTRACT NO. 62K50			ILLINOIS FED. AID PROJECT	



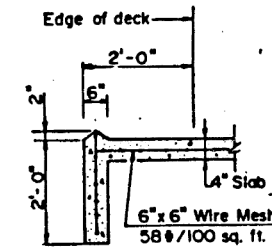
**ELEVATION**

- ① Special Bridge Approach Slab Widening See Sheet S-IC-2-22 for details.
- ② Bridge Approach Shoulder Pavement with drain. See IDOT Standard 2324-6 for details.
- ③ Bridge Approach Shoulder Pavement without drain. See IDOT Standard 2324-6 for details.

\* Dimensions at Rt. L's to Skew  
 \*\* Existing Joliet Road profile shall be lowered in order to maintain existing clearance. See roadway plans for details.

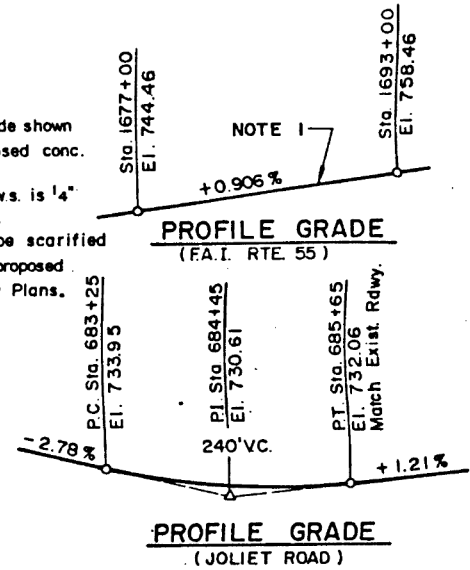


**WIDENING ALIGNMENT LAYOUT**

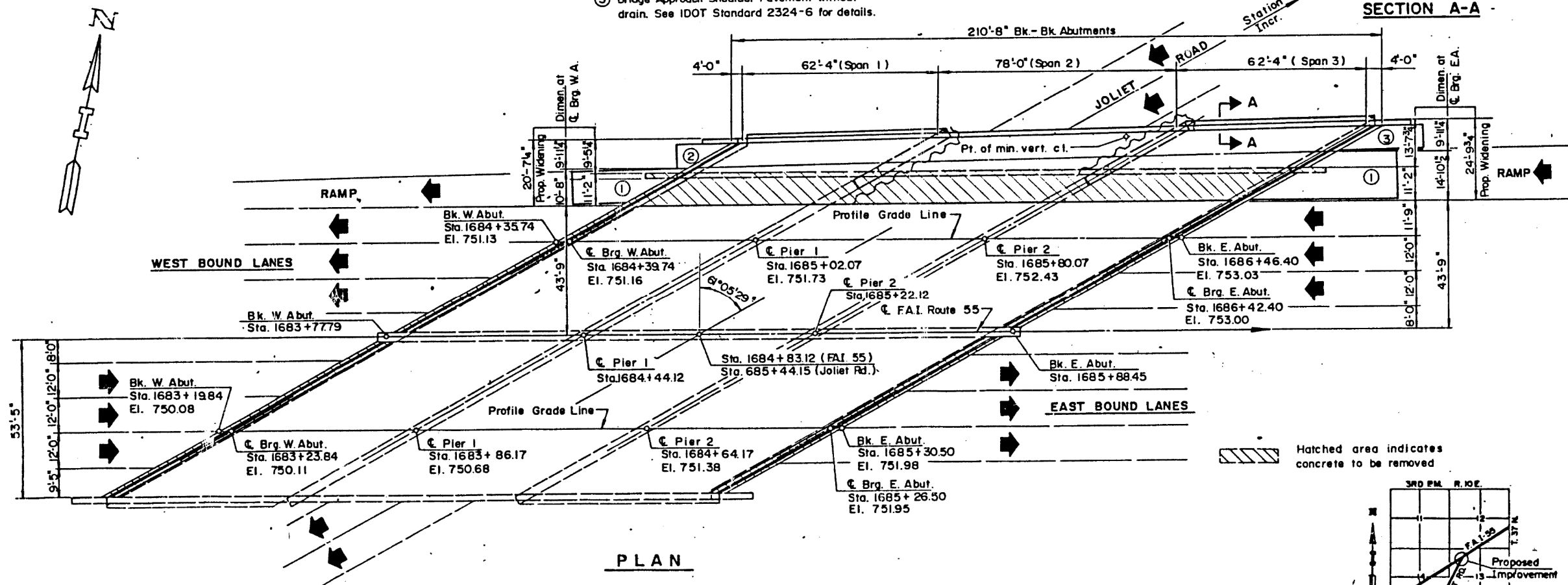


**SECTION A-A**

NOTE 1: Profile grade shown at top of proposed conc. overlay. Profile of existing w.s. is 1'4" below proposed w.s. Approaches shall be scarified & tapered to meet proposed grade. See Roadway Plans.

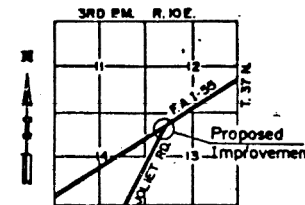


**PROFILE GRADE (JOLIET ROAD)**



**PLAN**

Hatched area indicates concrete to be removed



**LOCATION SKETCH.**



**GENERAL PLAN & ELEVATION  
 FAI 55 (I-55) OVER JOLIET ROAD  
 SECTION 2019-177-BR  
 WILL COUNTY  
 STRUCTURE NO. 099-0028**

FOR INFORMATION ONLY

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 8501 W. Higgins Road, Suite 280  
 Chicago, Illinois 60631; (773) 399-0112

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION  
 S.N. 099-0028, I-55 OVER JOLIET ROAD**

SHEET NO. 1 OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	WILL	37	21
CONTRACT NO. 62K50				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. Repair quantities have been prepared from notes received from IDOT Engineers.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. The Contractor shall use PP-1, PP-2, PP-3 or PP-4 Concrete for all deck and approach slab patches.
4. For construction staging see Maintenance of Traffic Sheets.

**SCOPE OF WORK**

1. Partial depth repair of bridge decks and full depth repair of approach slabs utilizing staged construction.

**TOTAL BILL OF MATERIAL**

<i>ITEM</i>	<i>UNIT</i>	<i>TOTAL</i>
DECK SLAB REPAIR (PARTIAL)	SQ YD	11
APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	2

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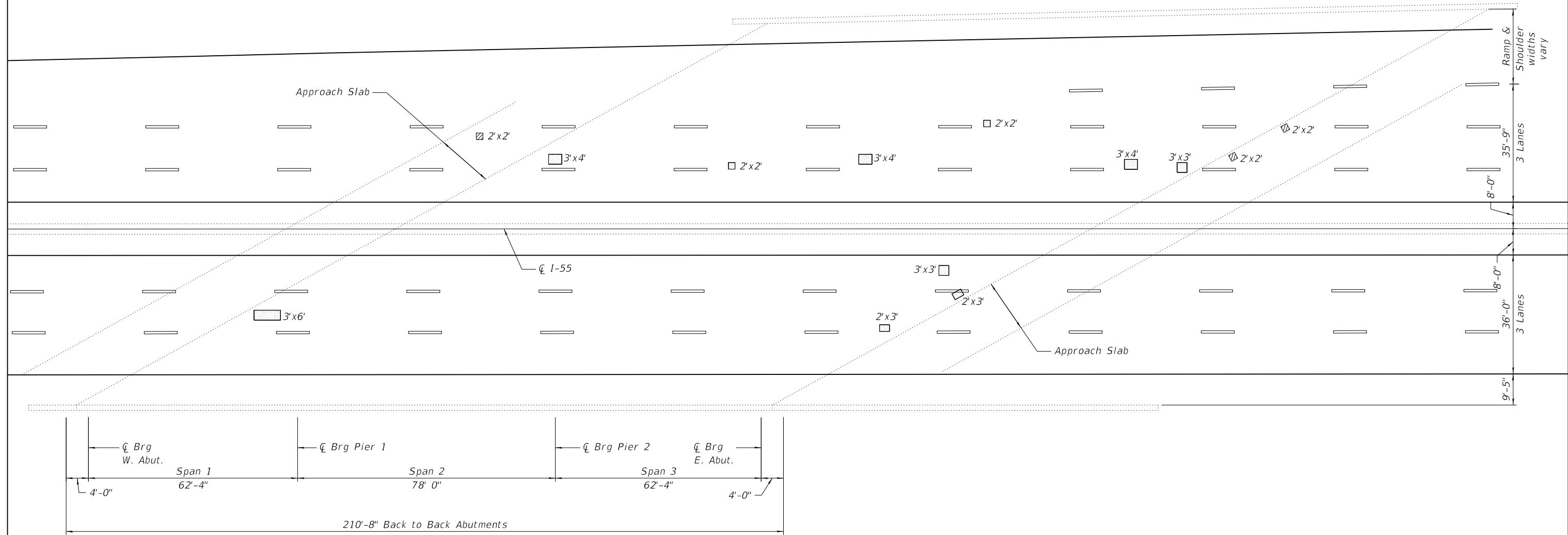
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	WILL	37	22
				<b>CONTRACT NO. 62K50</b>
ILLINOIS FED. AID PROJECT				

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (PARTIAL)	SQ YD	11
APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	2

**NOTE**

Repair of the existing deck and approach slabs shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction and recorded on as-built plans.



**BRIDGE DECK REPAIR PLAN**

**LEGEND**

-  Deck Slab Repair (Partial)
-  Approach Slab Repair (Full Depth)

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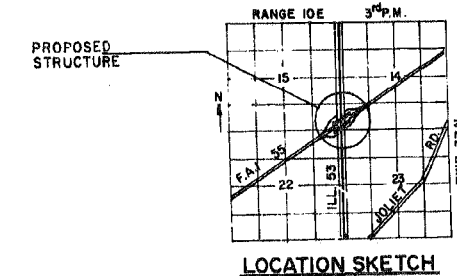
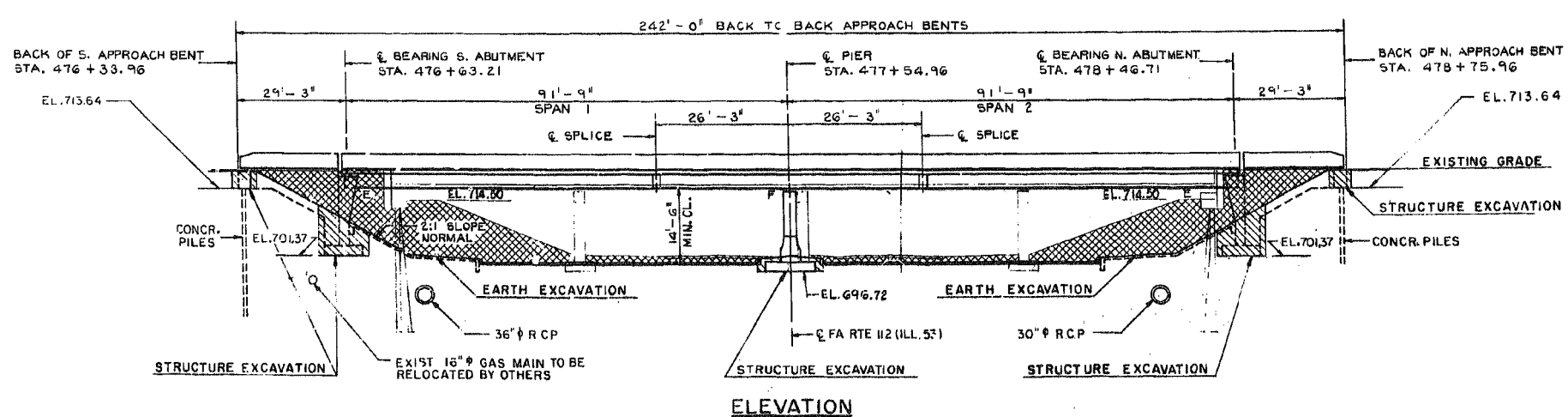
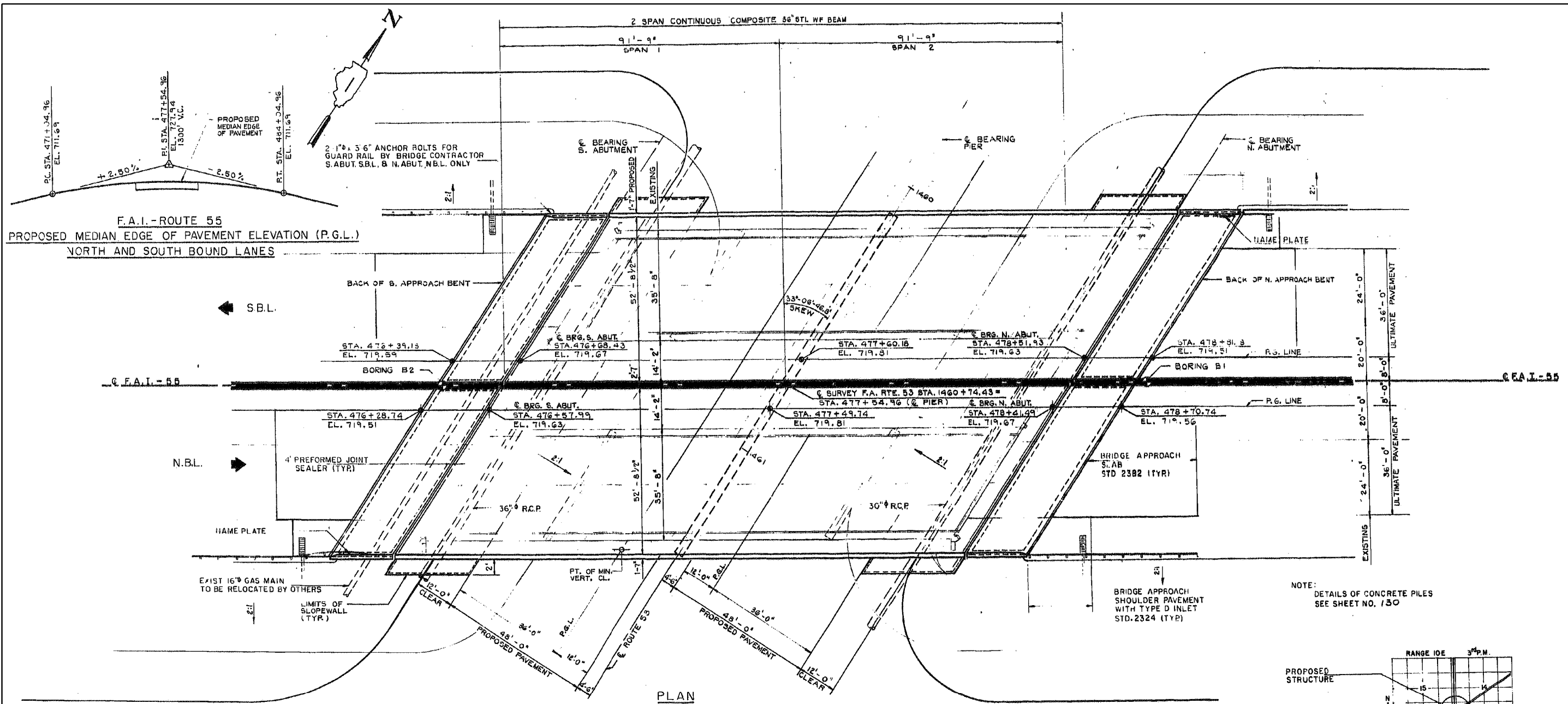
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DECK & APPROACH CONCRETE PATCHING  
S.N. 099-0028, I-55 OVER JOLIET ROAD**

SHEET NO. 3 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	WILL	37	23
CONTRACT NO. 62K50				
ILLINOIS FED. AID PROJECT				



**GENERAL PLAN & ELEVATION**  
**FAI 55 (I-55) OVER IL ROUTE 53**  
**SECTION 2019-177-BR**  
**WILL COUNTY**  
**STRUCTURE NO. 099-0260**

FOR INFORMATION ONLY

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	DATE - 2/2020	REVISED -

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

**GENERAL PLAN & ELEVATION**  
**S.N. 099-0260, I-55 OVER IL ROUTE 53**  
 SHEET NO. 1 OF 4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	WILL	37	24
CONTRACT NO. 62K50				

ILLINOIS FED. AID PROJECT



**GENERAL NOTES**

1. Repair quantities have been prepared from notes received from IDOT Engineers.
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. The Contractor shall use PP-1, PP-2, PP-3 or PP-4 Concrete for all deck and approach slab patches.
4. The Contractor must use extreme caution during full depth deck slab repair and must not nick, cut or damage, in any way, any of the steel beams. The existing reinforcement bars shall be cleaned. If any of these reinforcement bars are damaged they must be replaced with an approved bar splicer or anchorage system. The cost of this work is included with Deck Slab Repair (Full Depth, Type II).
5. The bridge over IL 53 has temporary protective shield in-place. The Contractor must remove the temporary protective shield and replace it with Protective Shield (Permanent). The Protective Shield (Permanent) shall be installed from face-to-face of existing abutments. The width to be protected shall be from the centerline of the west fascia beam to the centerline of the east fascia beam. The removal and disposal of the existing temporary protective shield shall be paid for as Protective Shield Removal.
6. For construction staging see Maintenance of Traffic Sheets.

**SCOPE OF WORK**

1. Removal of existing temporary protective shield and replacement with Protective Shield (Permanent).
2. Partial depth and full depth repair of bridge decks and full depth repair of approach slabs utilizing staged construction.

**TOTAL BILL OF MATERIAL**

<i>ITEM</i>	<i>UNIT</i>	<i>TOTAL</i>
PROTECTIVE SHIELD REMOVAL	L SUM	1
PROTECTIVE SHIELD (PERMANENT)	SQ YD	2,085
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	9
DECK SLAB REPAIR (PARTIAL)	SQ YD	26
APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	12

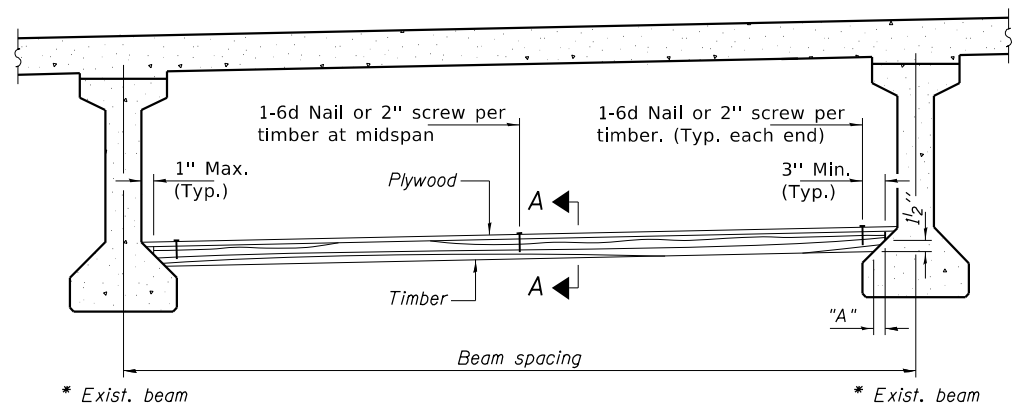
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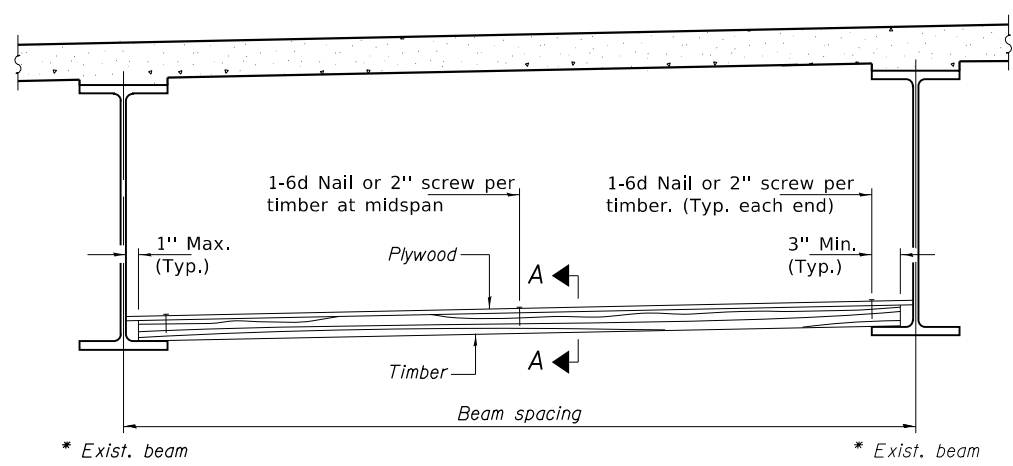
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CONTRACT NO. 62K50				
ILLINOIS FED. AID PROJECT				



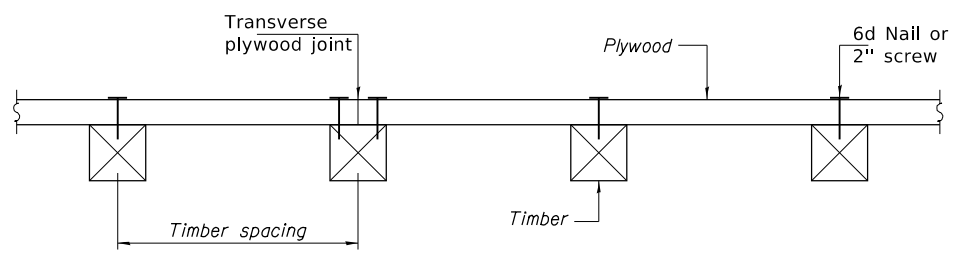
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



PPC I-BEAMS AND BULB-T's



STEEL BEAMS



SECTION A-A

TIMBER SPACING

Beam Spacing (ft.)	Timber Sizes (in.)		
	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	6" x 6" with min. Fb=575 psi Fv=125 psi
	Maximum Timber Spacing (in.)		
4.5	16	16	16
4.75	16	16	16
5.0	16	16	16
5.25	16	16	16
5.5	16	16	16
5.75	16	16	16
6.0	16	16	16
6.25	12	16	16
6.5	12	16	16
6.75	12	16	16
7.0	8	16	16
7.25	8	16	16
7.5	8	16	16
7.75	8	16	16
8.0	8	12	16
8.25	8	12	16
8.5	6	12	12
8.75	6	12	12
9.0	6	8	12

PPC I-BEAMS AND BULB-T's

BEAM	"A"
36" I-Beam	1 1/2"
42" I-Beam	1 1/2"
48" I-Beam	1 1/2"
54" I-Beam	1 5/8"
63" Bulb-T	3 3/8"
72" Bulb-T	3 3/8"

*Notes:* See special provision for Permanent Protective Shield System.

Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.

The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions. All timber shall be treated.

Plywood shall be 5/8" rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Item	Unit	Total
Protective Shield (Permanent)	Sq. Yd.	2,085

PERMANENT PROTECTIVE SHIELD

PPS-1 01-22-09

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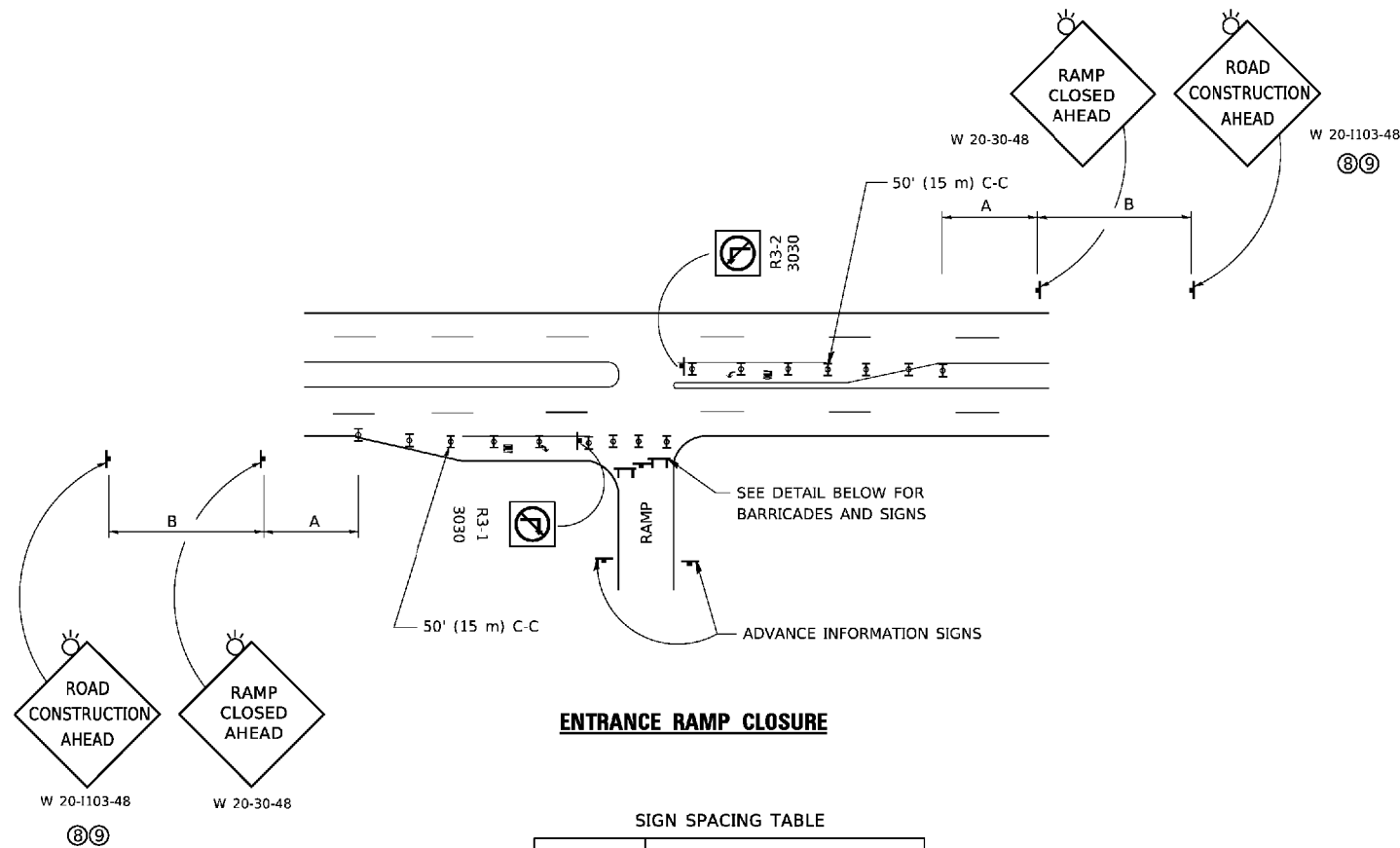
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PERMANENT PROTECTIVE SHIELD  
S.N. 099-0260, I-55 OVER IL ROUTE 53

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-177-BR	WILL	37	27
			CONTRACT NO. 62K50	
ILLINOIS FED. AID PROJECT				

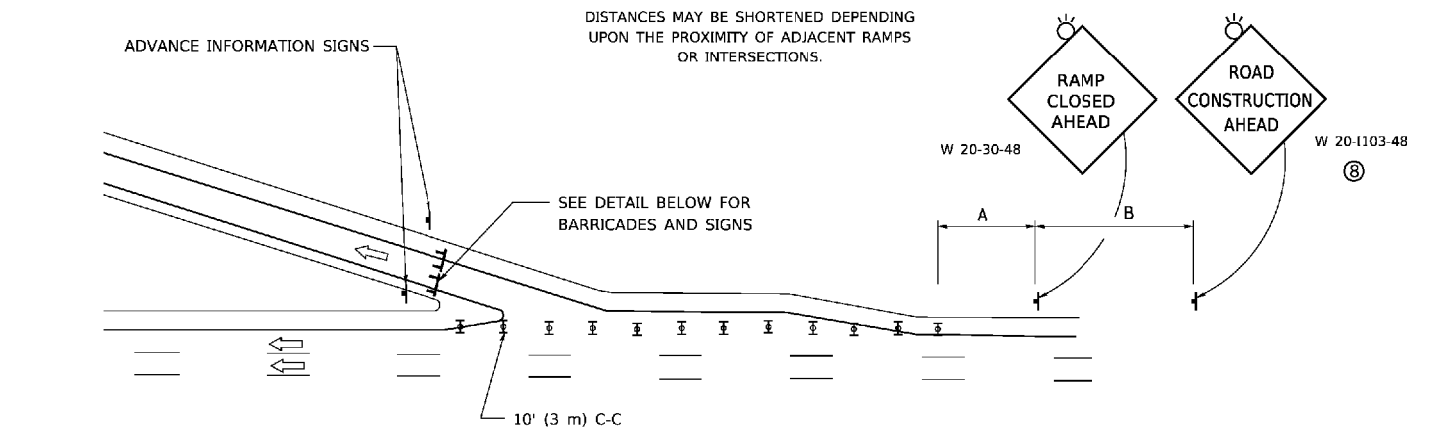


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

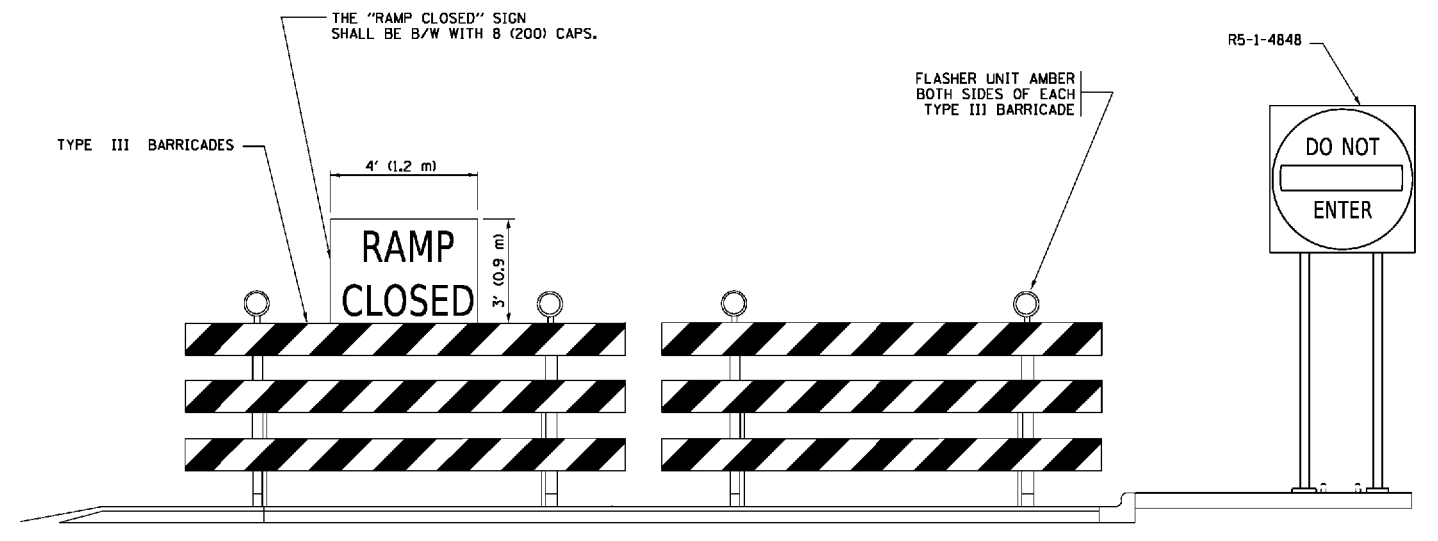
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



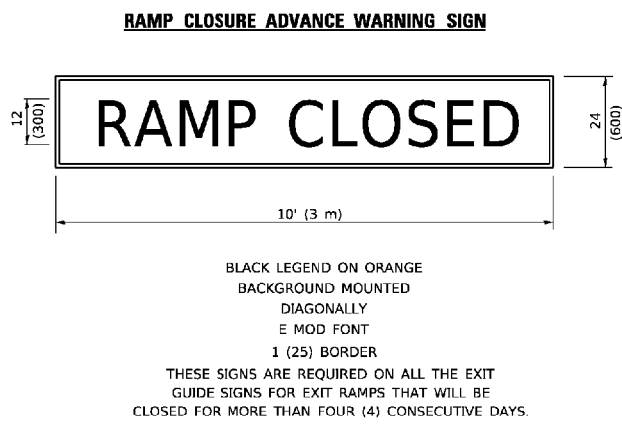
**EXIT RAMP CLOSURE**

**SYMBOLS**

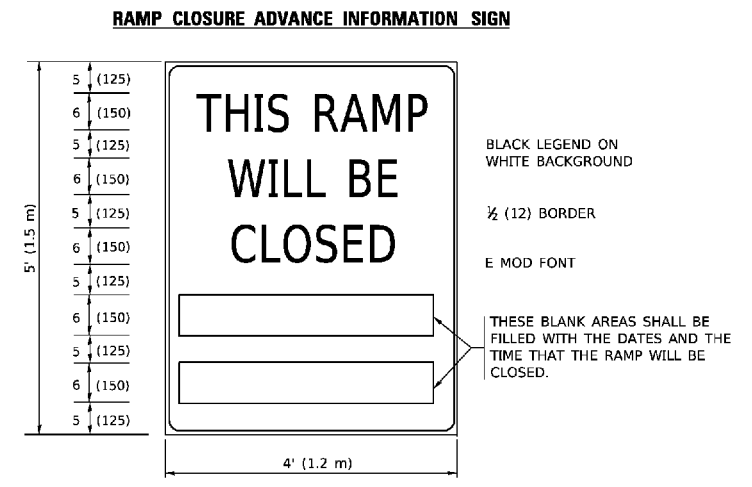
- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



**DETAIL FOR REQUIRED BARRICADES & SIGNS**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.



BLACK LEGEND ON WHITE BACKGROUND  
1/2 (12) BORDER  
E MOD FONT  
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

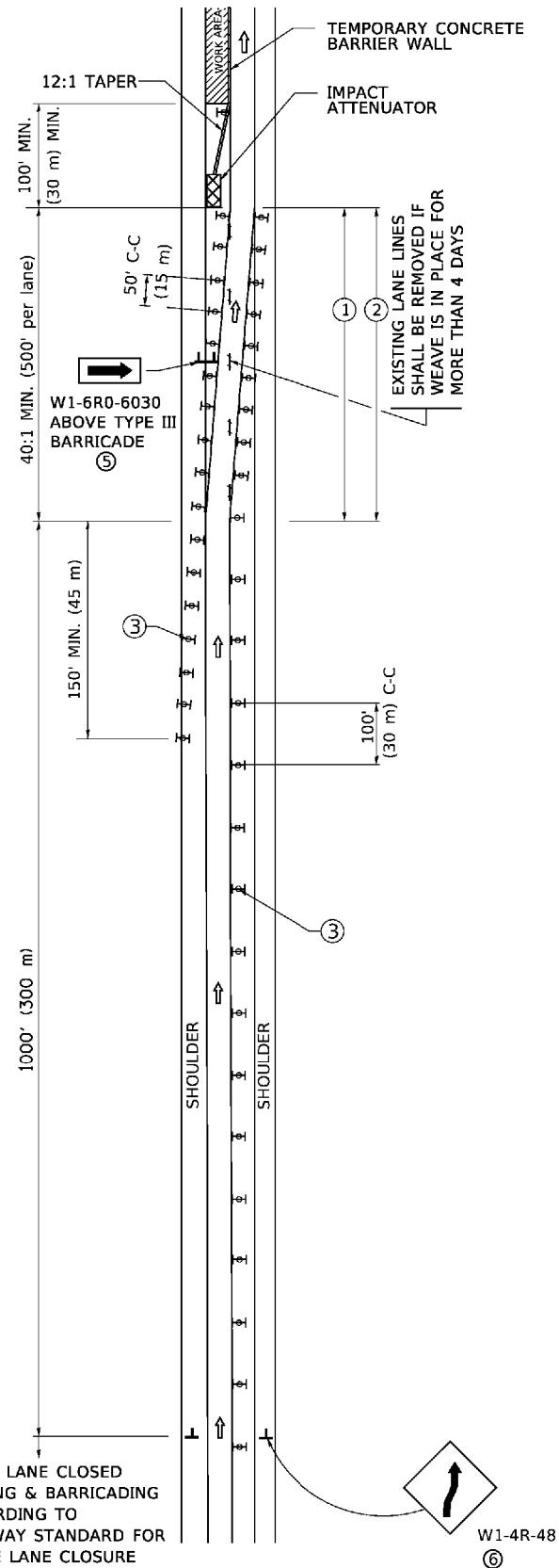
THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.  
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

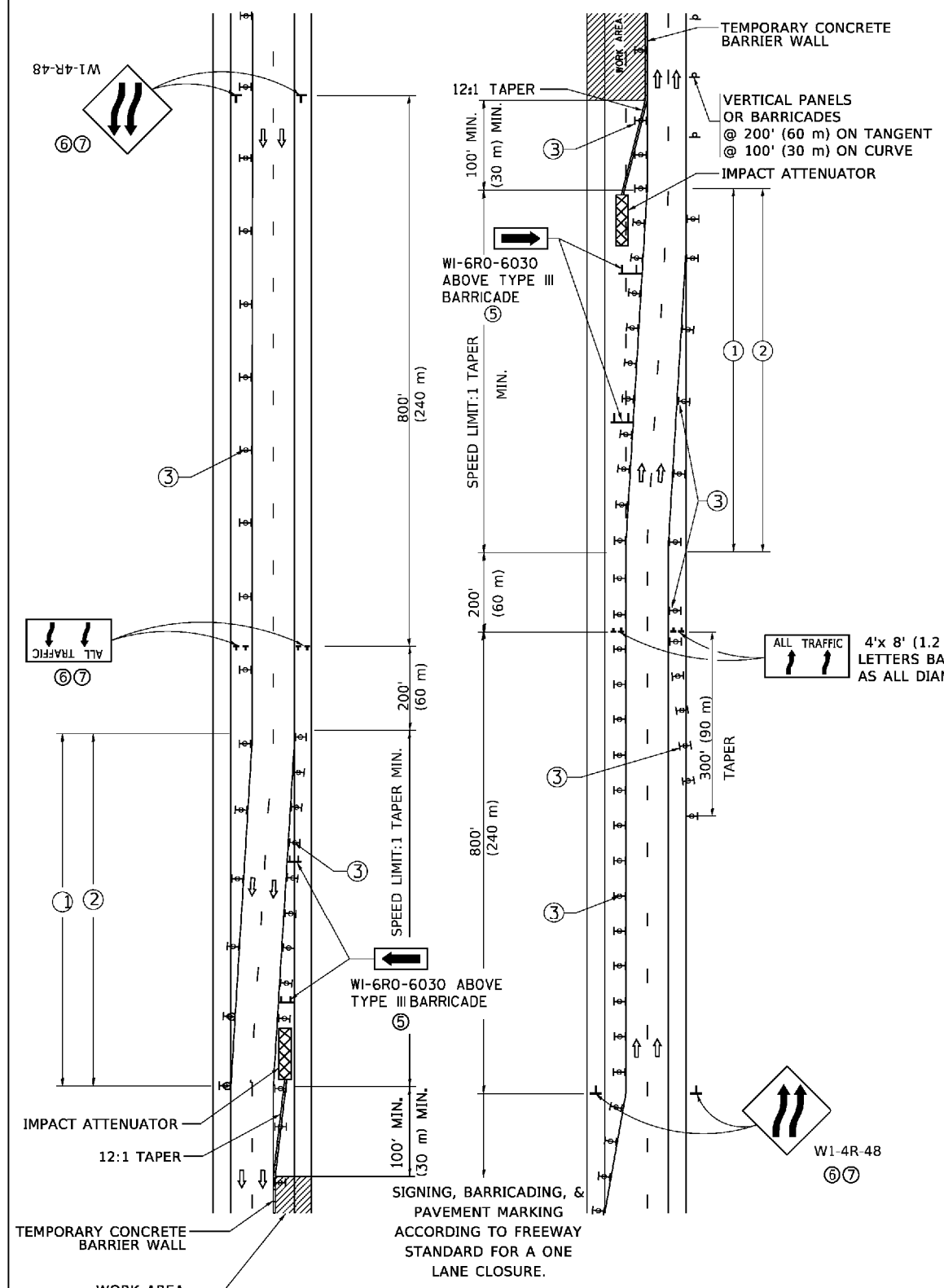
- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 7 THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

### SINGLE LANE WEAVE



### MULTI-LANE WEAVE



#### GENERAL NOTES:

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

ALL TRAFFIC 4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

#### SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

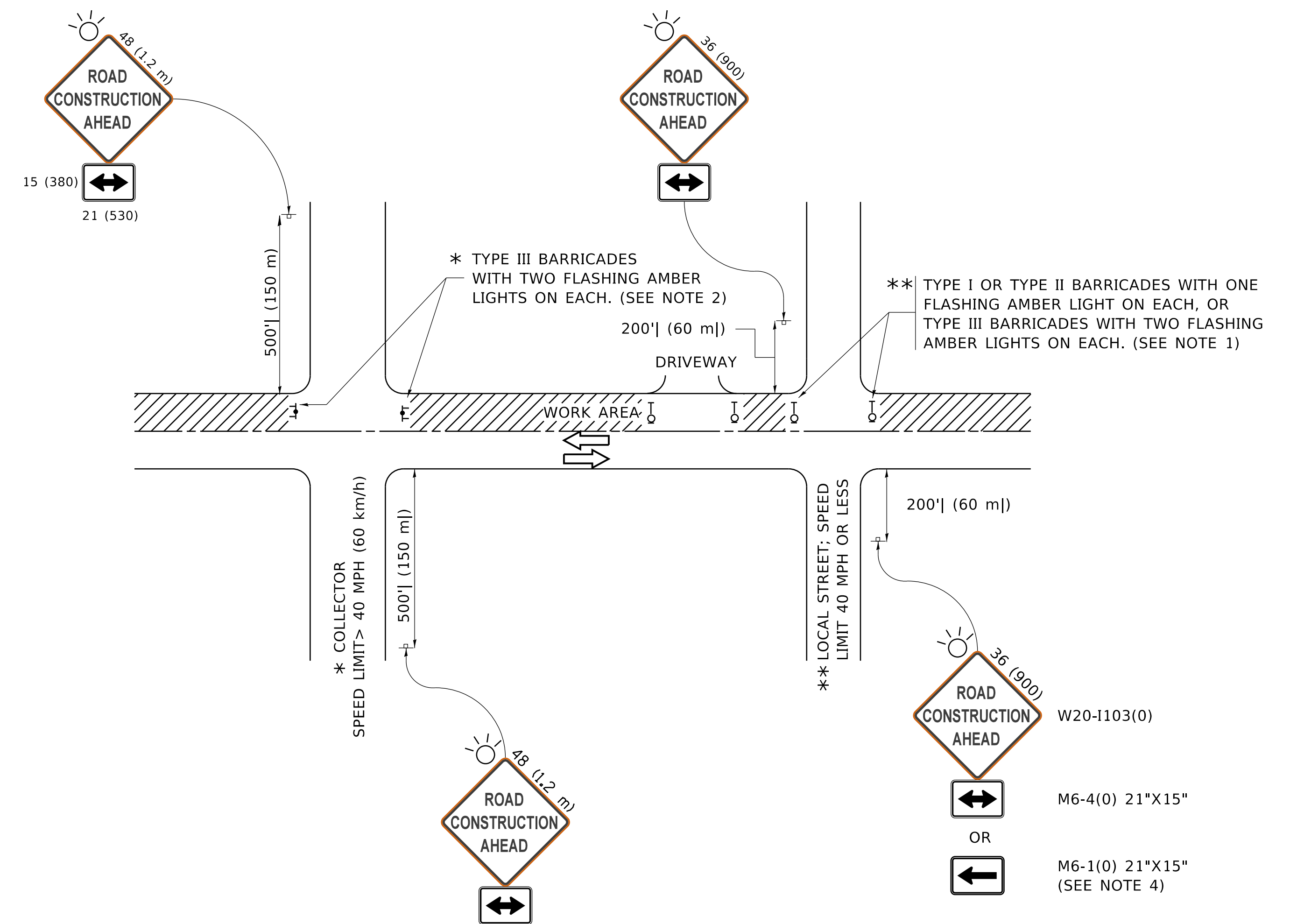
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PLOT DATE = 2/7/2020	DATE - 02-87	REVISED - M.D. 06-13

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR  
FREEWAY SINGLE & MULTI-LANE WEAVE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-117-BR	DUPAGE/WILL	37	29
TC-09		CONTRACT NO. 62K50		
ILLINOIS FED. AID PROJECT				



**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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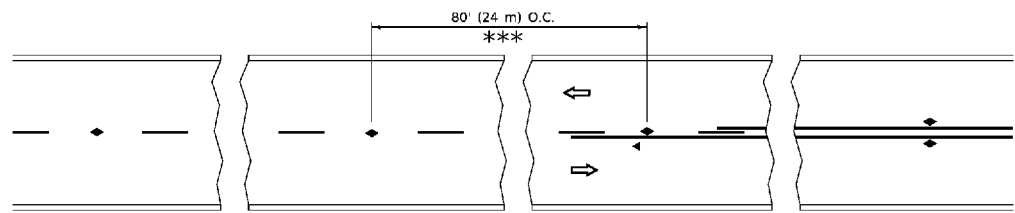
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		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

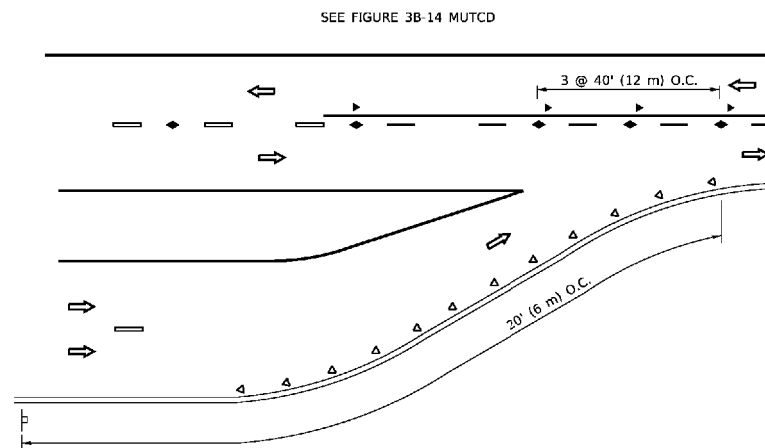
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-117-BR	DUPAGE/WILL	37	30
<b>TC-10</b>			CONTRACT NO. 62K50	
ILLINOIS FED. AID PROJECT				

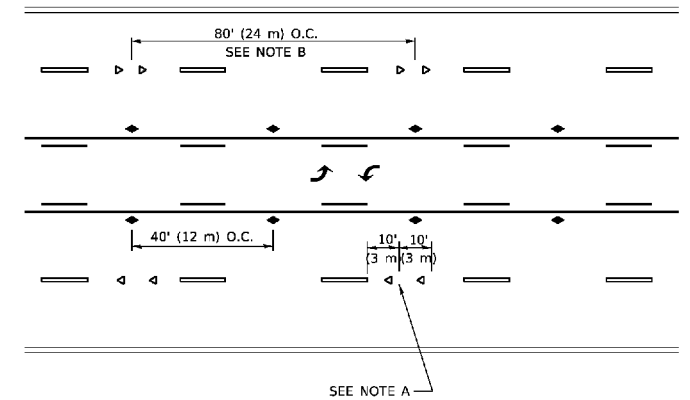


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

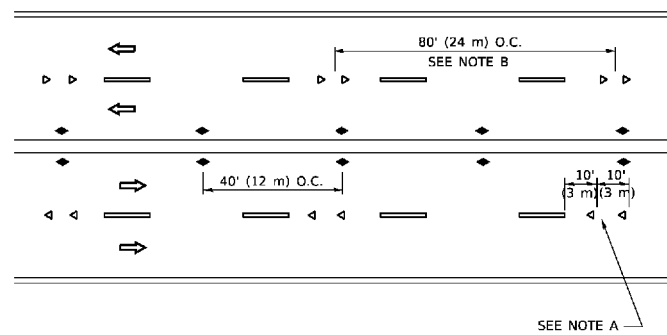
**TWO-LANE/TWO-WAY**



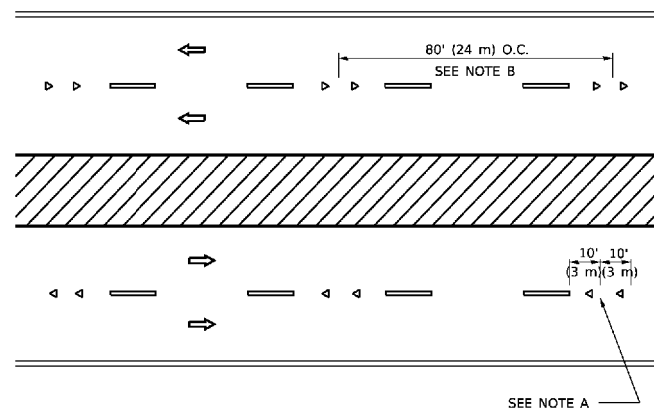
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

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

**SYMBOLS**

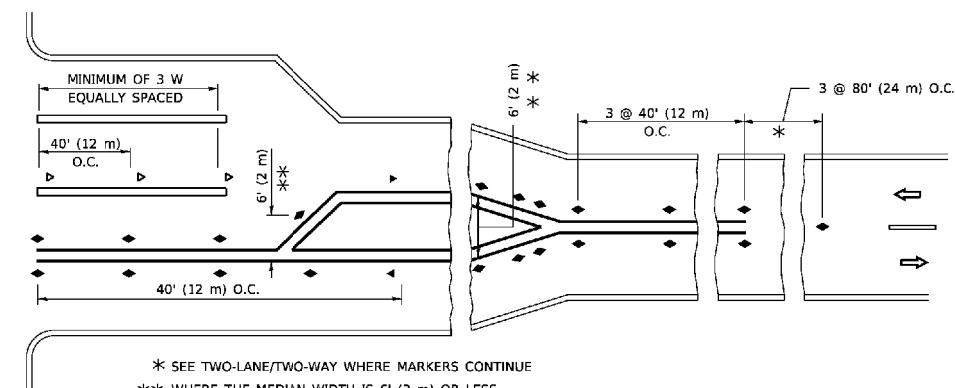
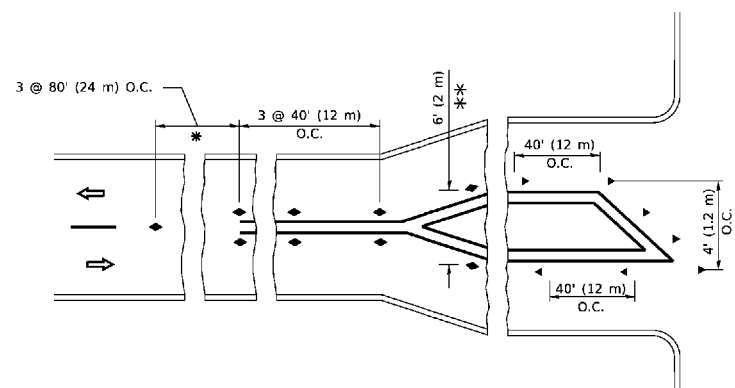
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

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

**DESIGN NOTES**

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



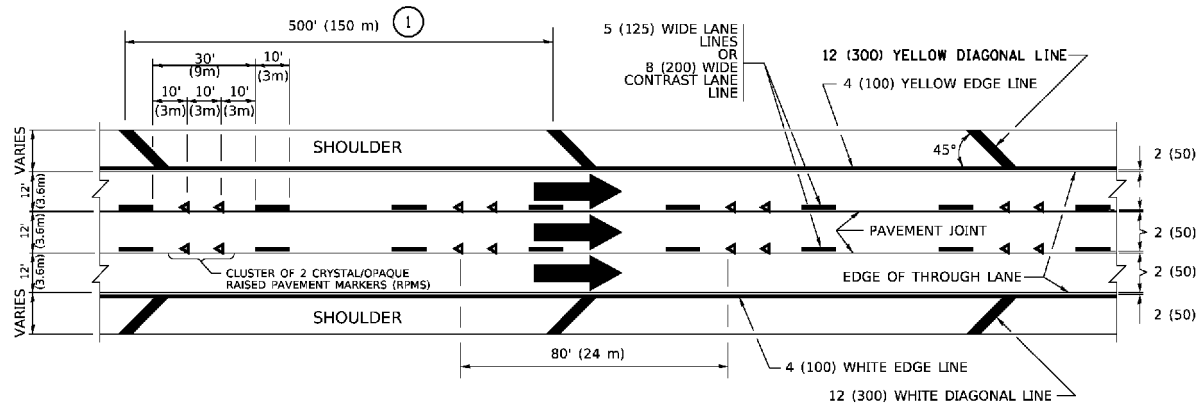
**TURN LANES**

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

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

USER NAME = rober	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 2/7/2020	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

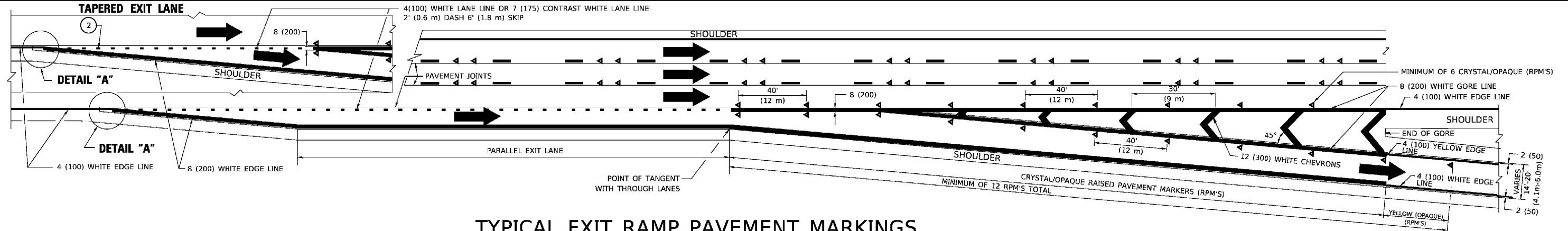
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-117-BR	DUPAGE/WILL	37	31
TC-11		CONTRACT NO. 62K50		
ILLINOIS FED. AID PROJECT				



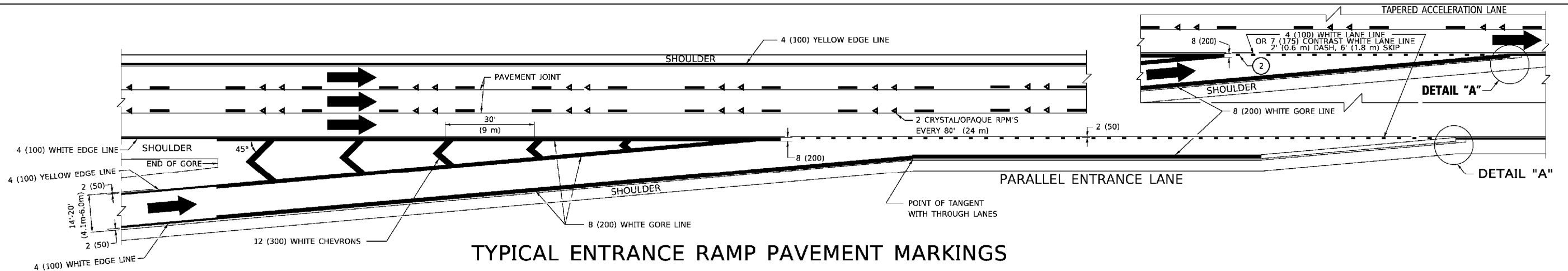
TYPICAL EDGE LINES & LANE LINES

**PAVEMENT MARKING MATERIALS**

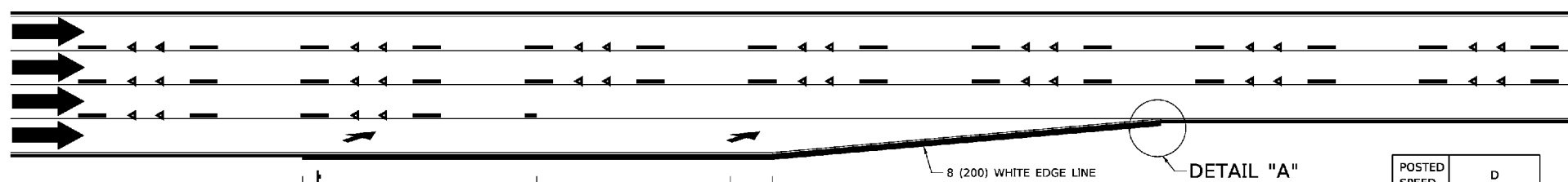
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



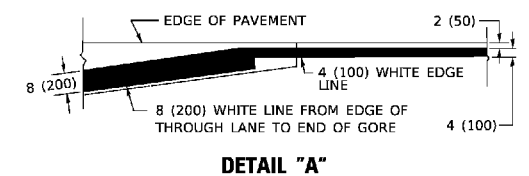
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



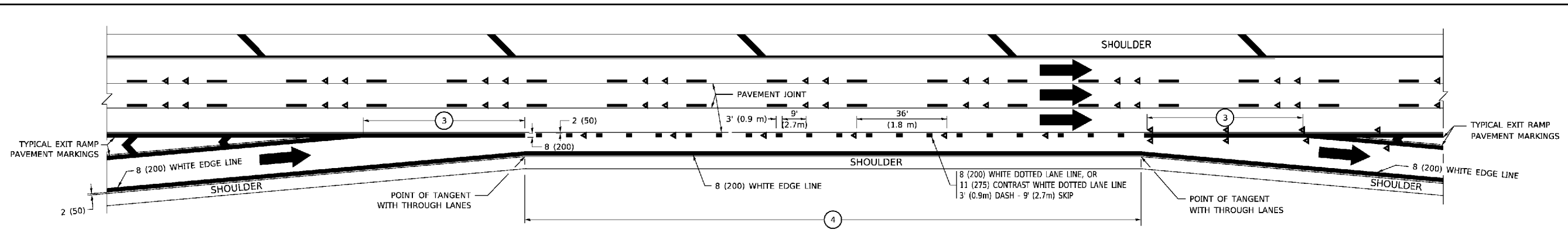
LANE REDUCTION PAVEMENT MARKINGS



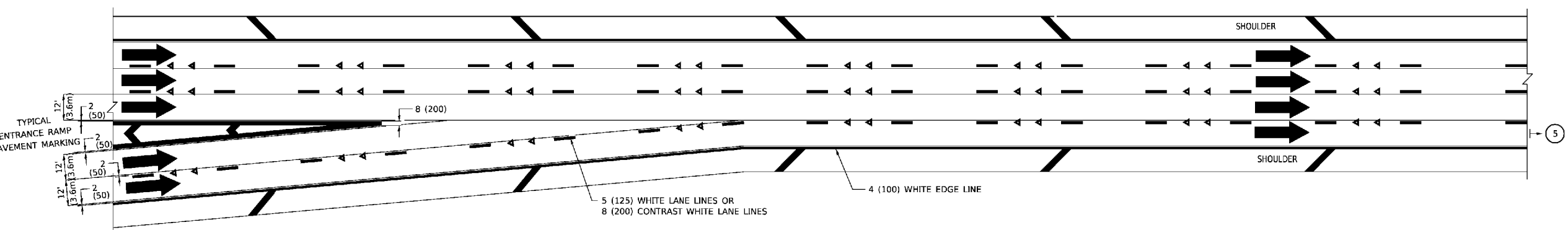
**NOTES:**

1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
2. 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

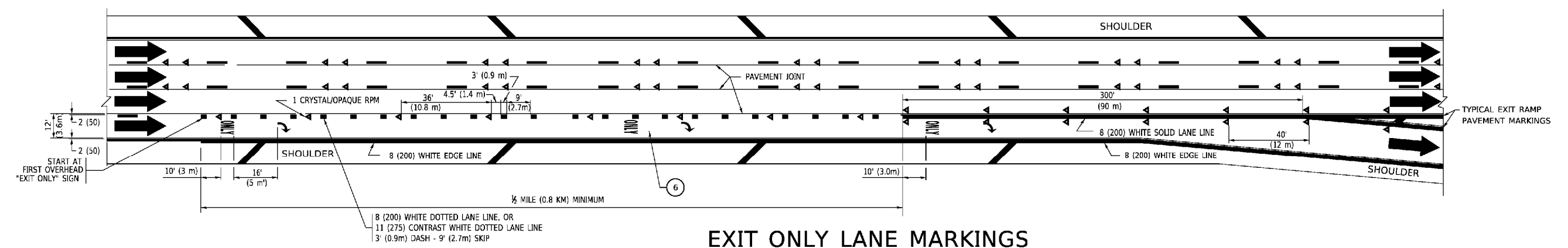




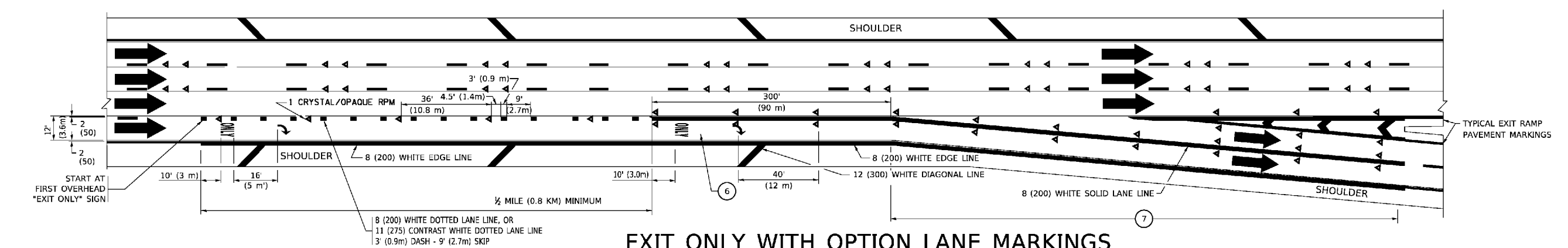
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS

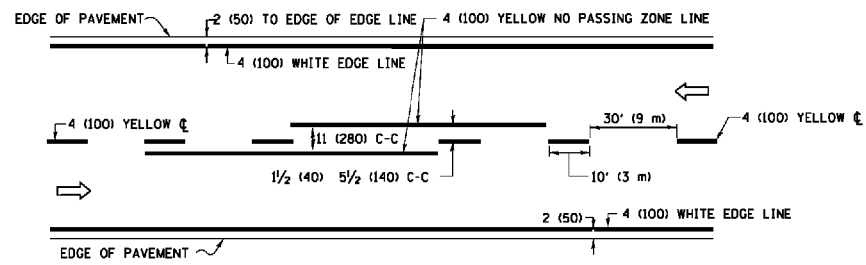


EXIT ONLY LANE MARKINGS

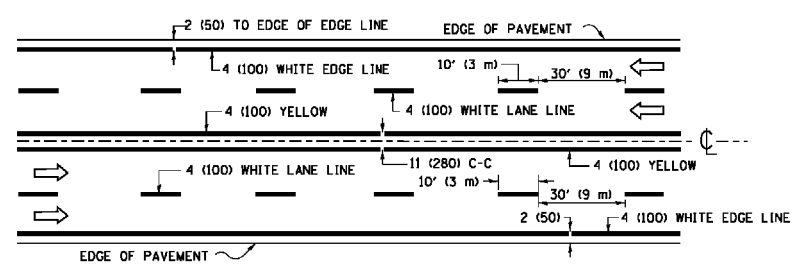


EXIT ONLY WITH OPTION LANE MARKINGS

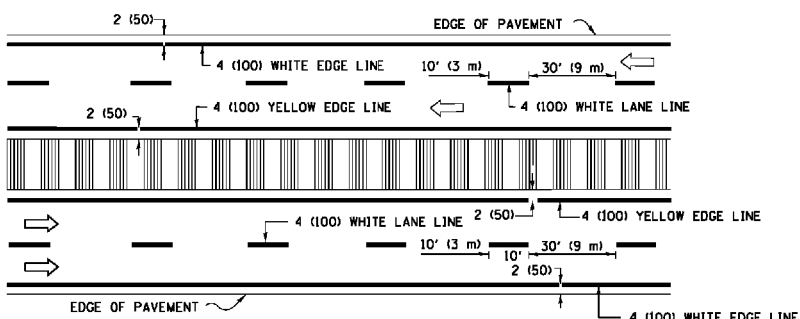
- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.



**2-LANE ROADWAY**

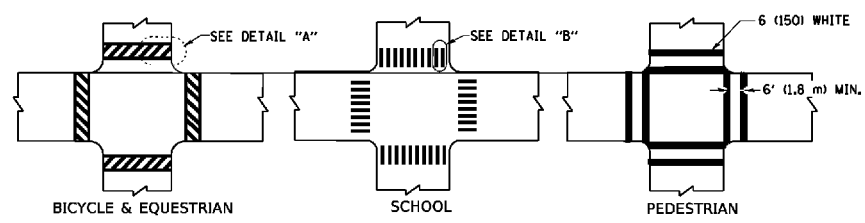


**MULTI-LANE UNDIVIDED**



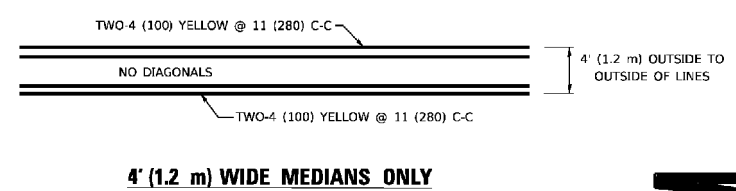
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

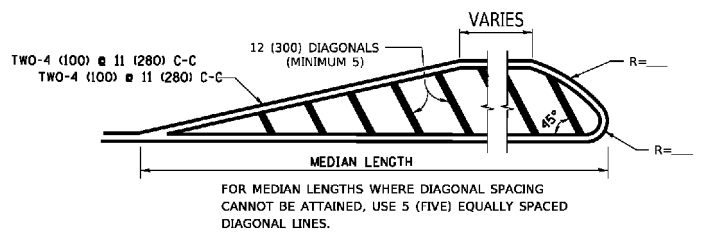


**TYPICAL CROSSWALK MARKING**

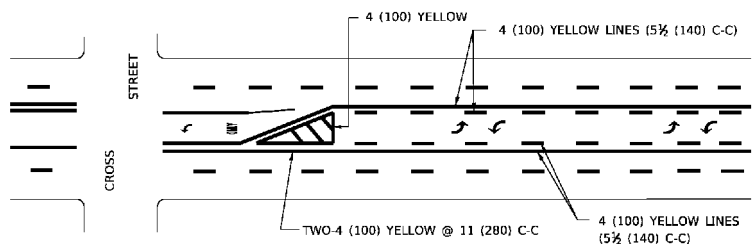
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



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

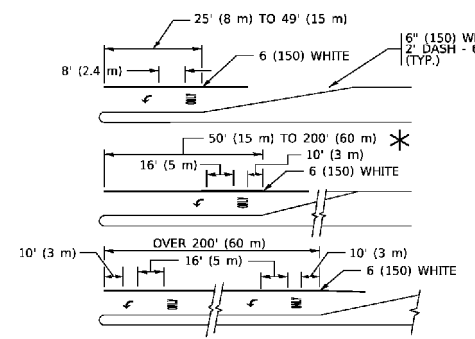


**MEDIANS OVER 4' (1.2 m) WIDE**



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

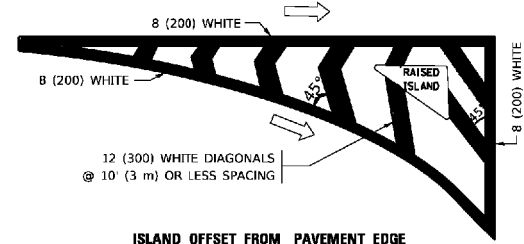
**TYPICAL PAINTED MEDIAN MARKING**



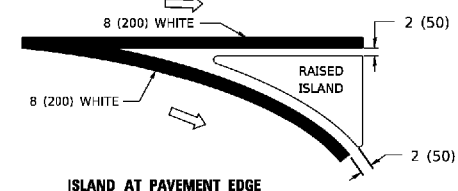
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

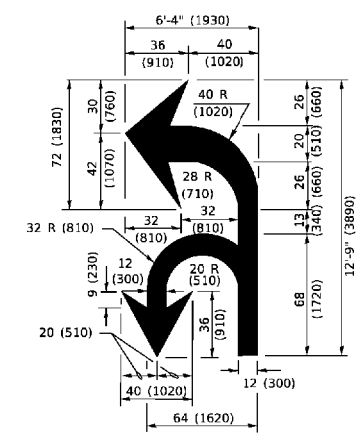


**ISLAND OFFSET FROM PAVEMENT EDGE**

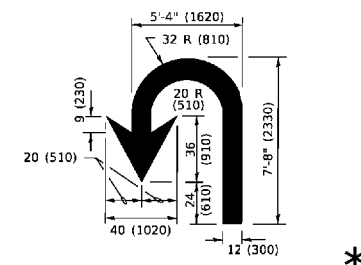


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

<p>LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois</p>	USER NAME = rober	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 2,000' / 1 in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 2/7/2020	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
			REVISED - C. JUCIUS 04-12-16

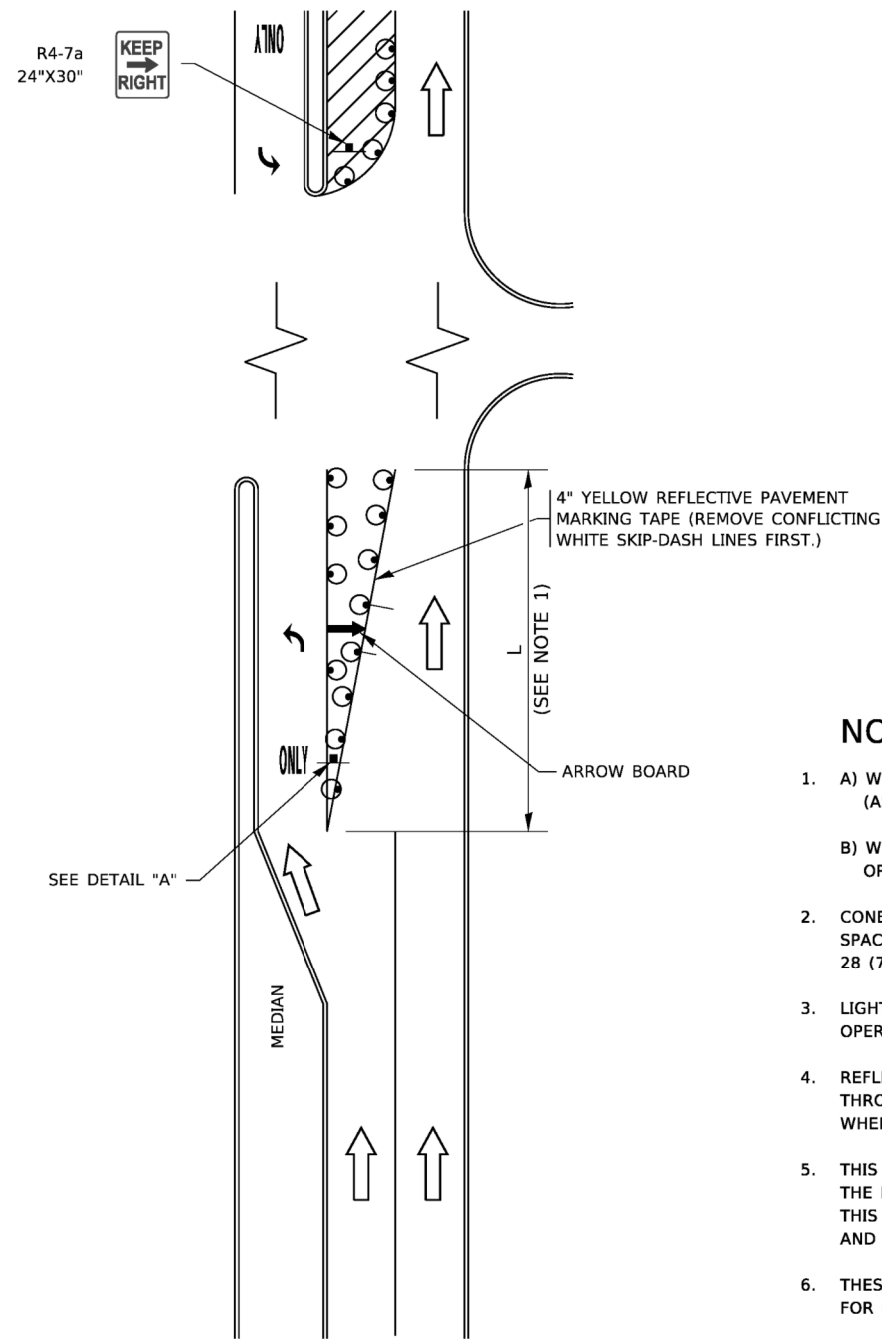
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: N.T.S.		SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-117-BR	DUPAGE/WILL	37	34
TC-13		CONTRACT NO. 62K50		
ILLINOIS FED. AID PROJECT				

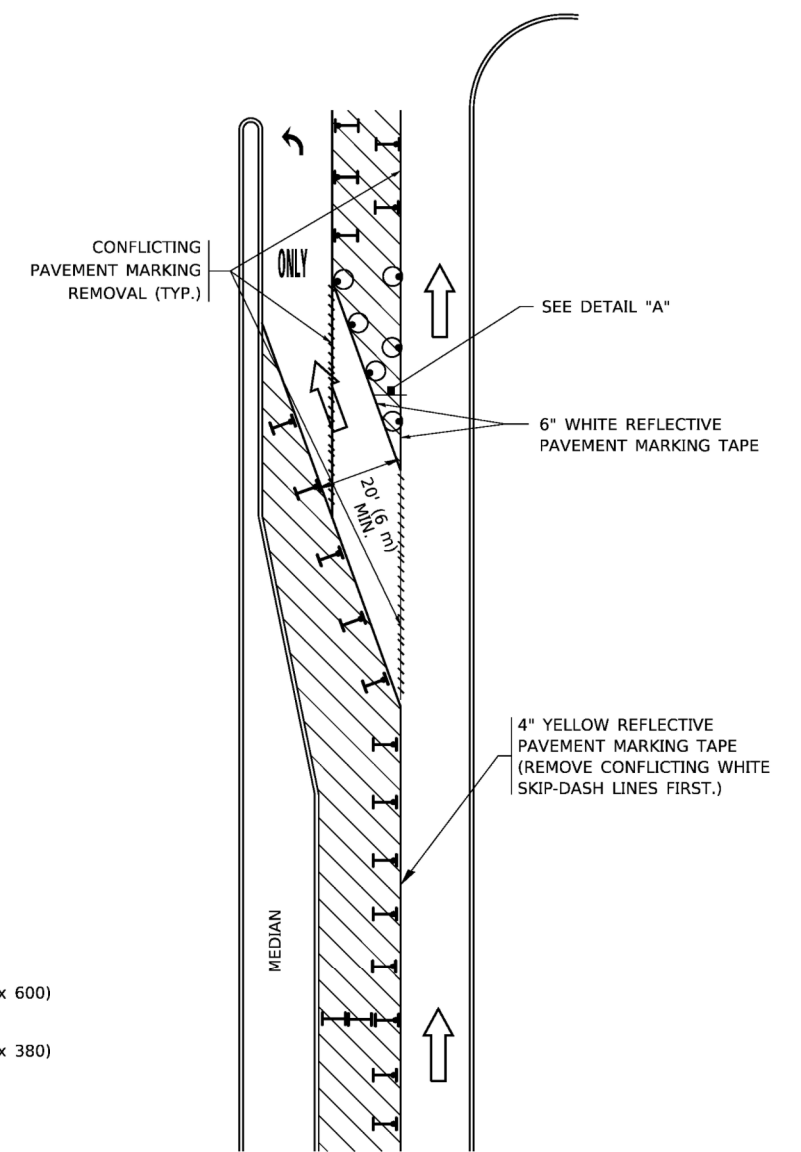
**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



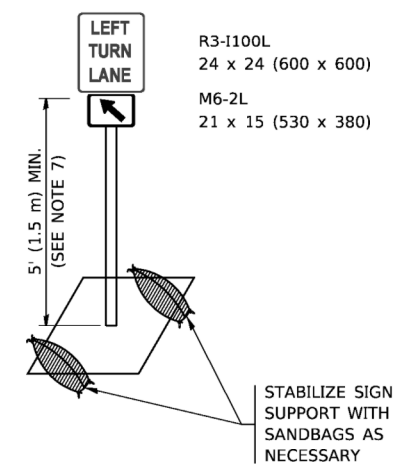
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

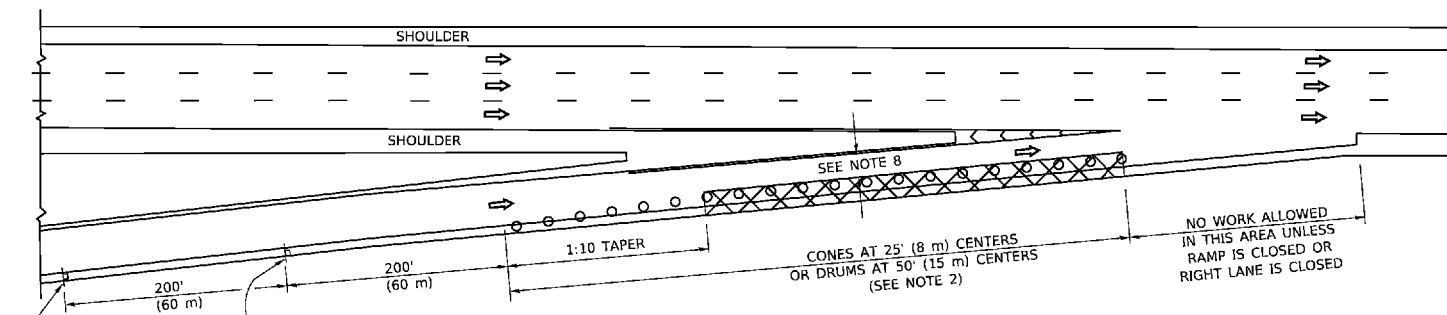
1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
 B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY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



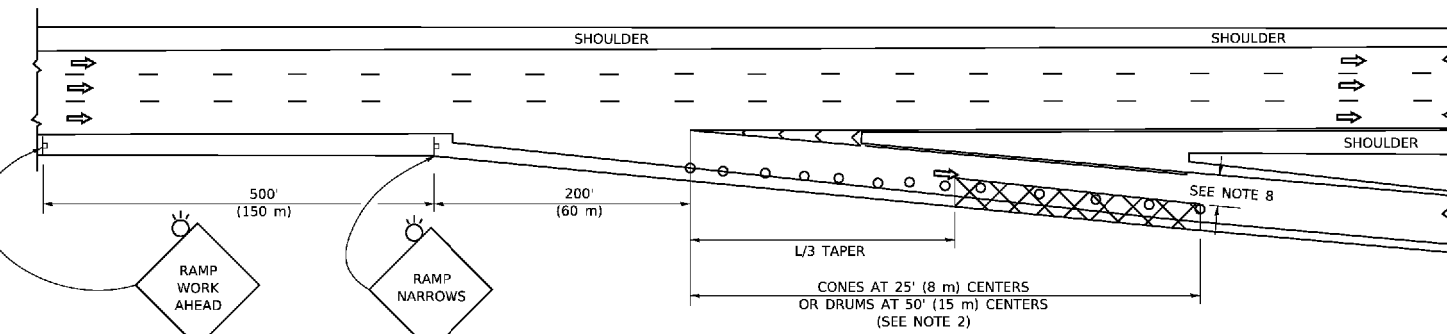
**DETAIL A**

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

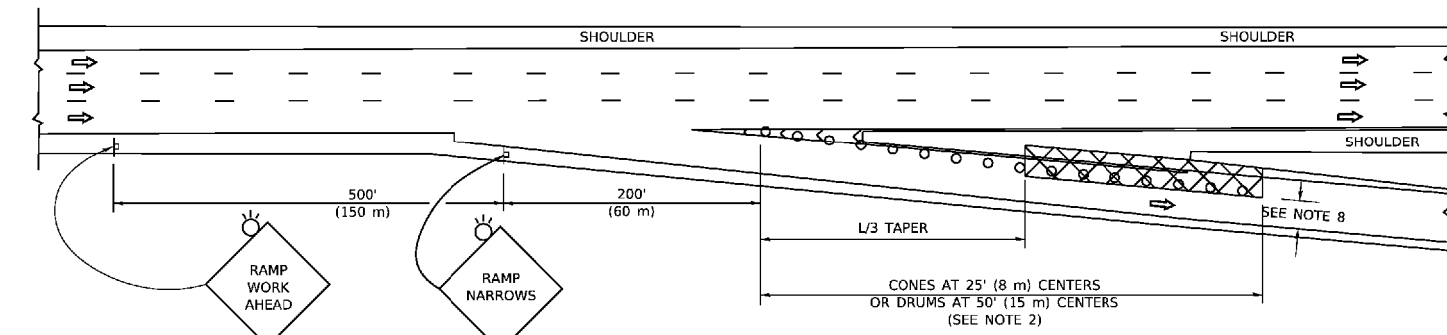
**PARTIAL RAMP CLOSURE DETAILS**



**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**

**SYMBOLS**

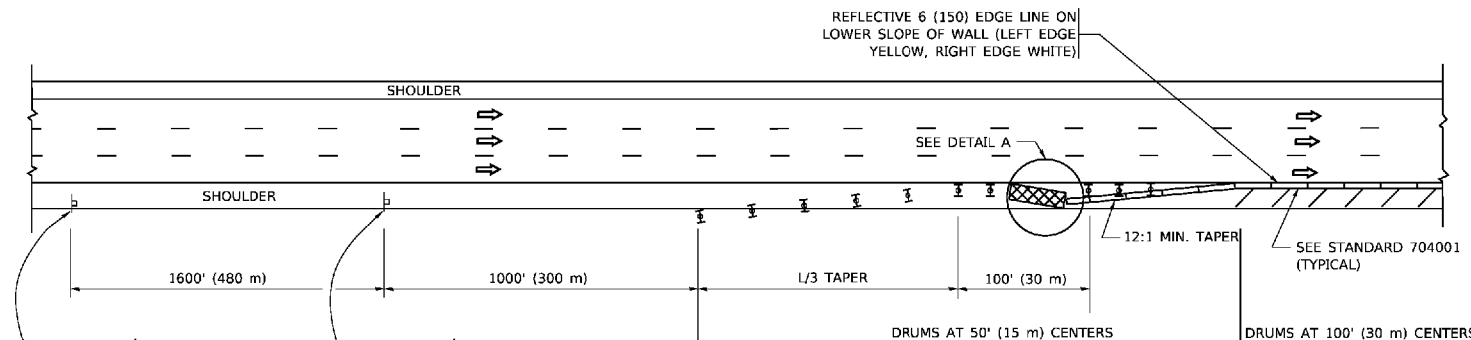
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

**GENERAL NOTES:**

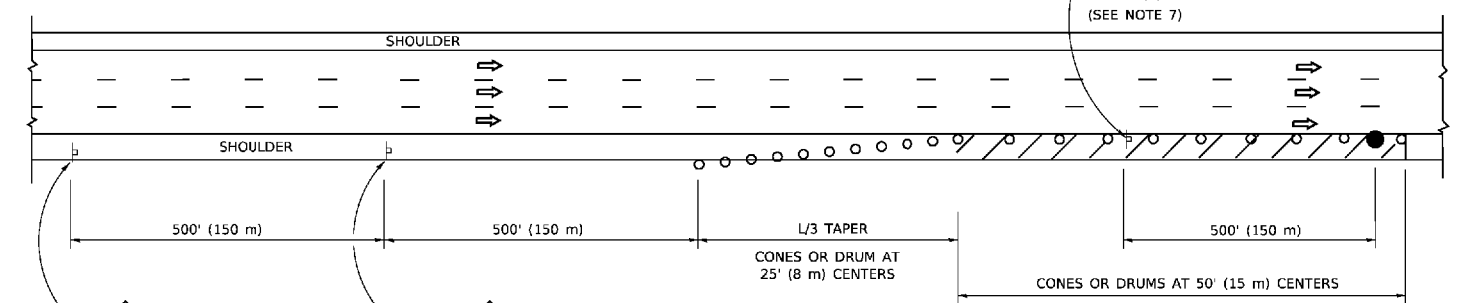
1. THE "L" DISTANCE EQUALS:  

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(WHS)$ $L=(WXS)$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

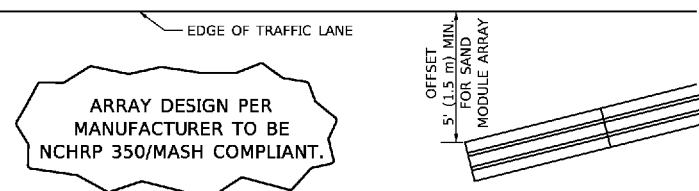
**SHOULDER CLOSURE DETAILS**



**PERMANENT SHOULDER CLOSURE**



**DAYTIME SHOULDER CLOSURE**



**DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK AVTTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

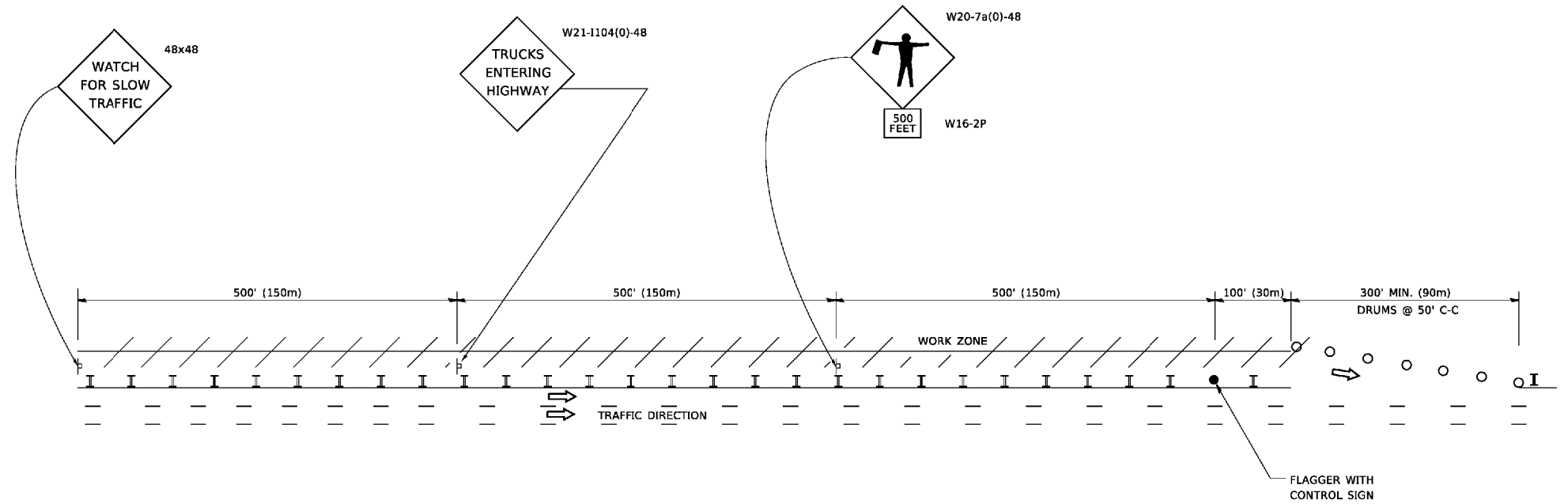
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = rober	DESIGNED -	REVISED - S.P.B. 01-07
PLOT SCALE = 2,000' / in.	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT DATE = 2/7/2020	CHECKED -	REVISED - M.D. 06-13
	DATE - 11-96	REVISED - M.D. 01-18

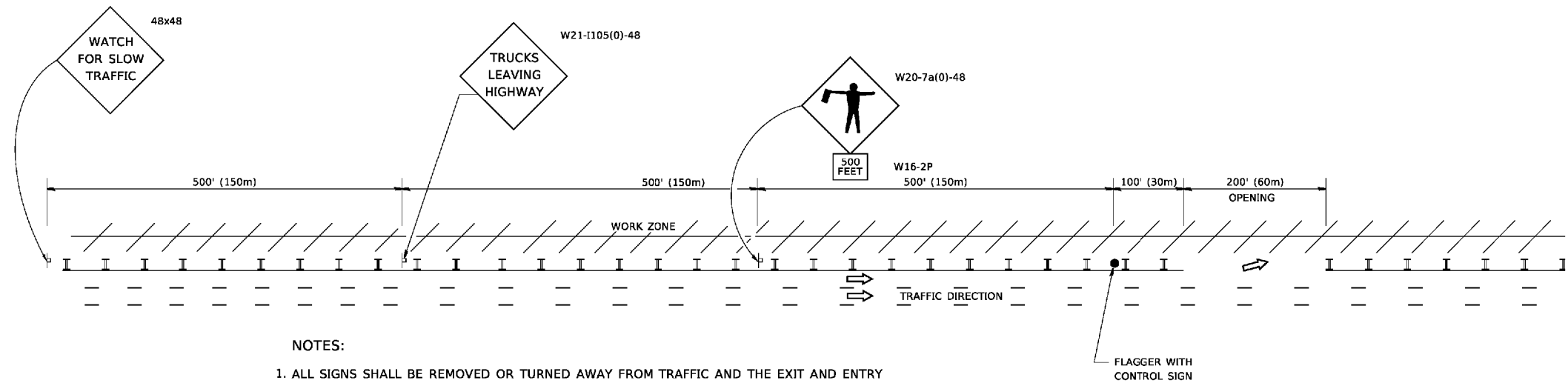
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-117-BR	DUPAGE/WILL	37	35
	TC-17		CONTRACT NO. 62K50	
ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

**WORK ZONE EXIT OPENING**



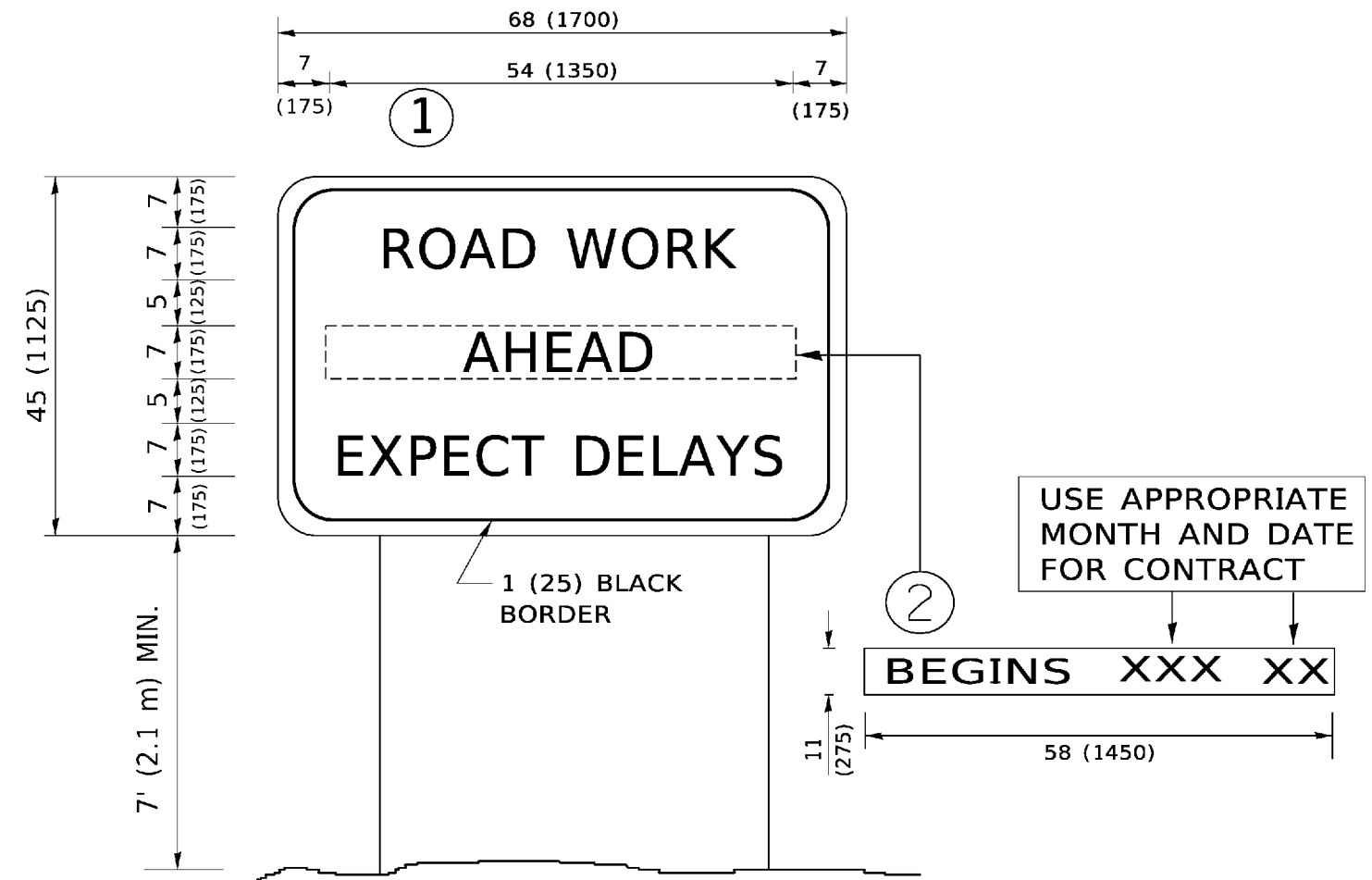
**WORK ZONE ENTRY OPENING**



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN



**NOTES:**

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

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

USER NAME = rober	DESIGNED -	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 2/7/2020	DATE -	REVISED - M.D. 06-13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-117-BR	DUPAGE/WILL	37	37
TC-22			CONTRACT NO. 62K50	
ILLINOIS FED. AID PROJECT				