

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	1
		ILLINOIS		CONTRACT NO. 62V20

PROPOSED
HIGHWAY PLANS

FAI 55: I-55 (STEVENSON EXPY.)
AT VARIOUS LOCATIONS
SECTION : 2023 VAR CONCRETE PATCH
RESURFACING & PATCHING
COOK COUNTY

C-91-225-23

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE
VILAGE OF HODGKINS AND THE
CITY OF CHICAGO

TRAFFIC DATA:

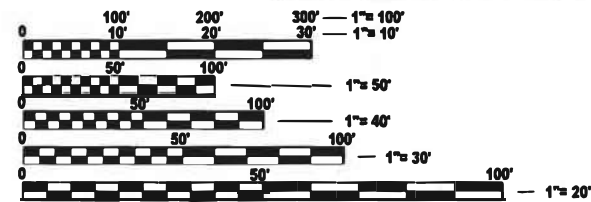
I-55 (STEVENSON EXPRESSWAY)
2022 ADT: 154,800
POSTED SPEED LIMIT: 55 MPH

I-55 RAMPS
2022 ADT: 11,100
POSTED SPEED LIMIT: 25 MPH

US 12/20/45 (LAGRANGE ROAD)
2021 ADT: 64,200
POSTED SPEED LIMIT: 45 MPH

LOCATION 2
PATCHING BEGINS:
I-55 (STEVENSON EXPRESSWAY)
EAST OF LAGRANGE ROAD

LOCATION 1:
RESURFACING & PATCHING
I-55 (SB) RAMP FROM
US 12/20/45 (LAGRANGE RD) NB
&
I-55 (NB) RAMP TO
US 12/20/45 (LAGRANGE RD) NB

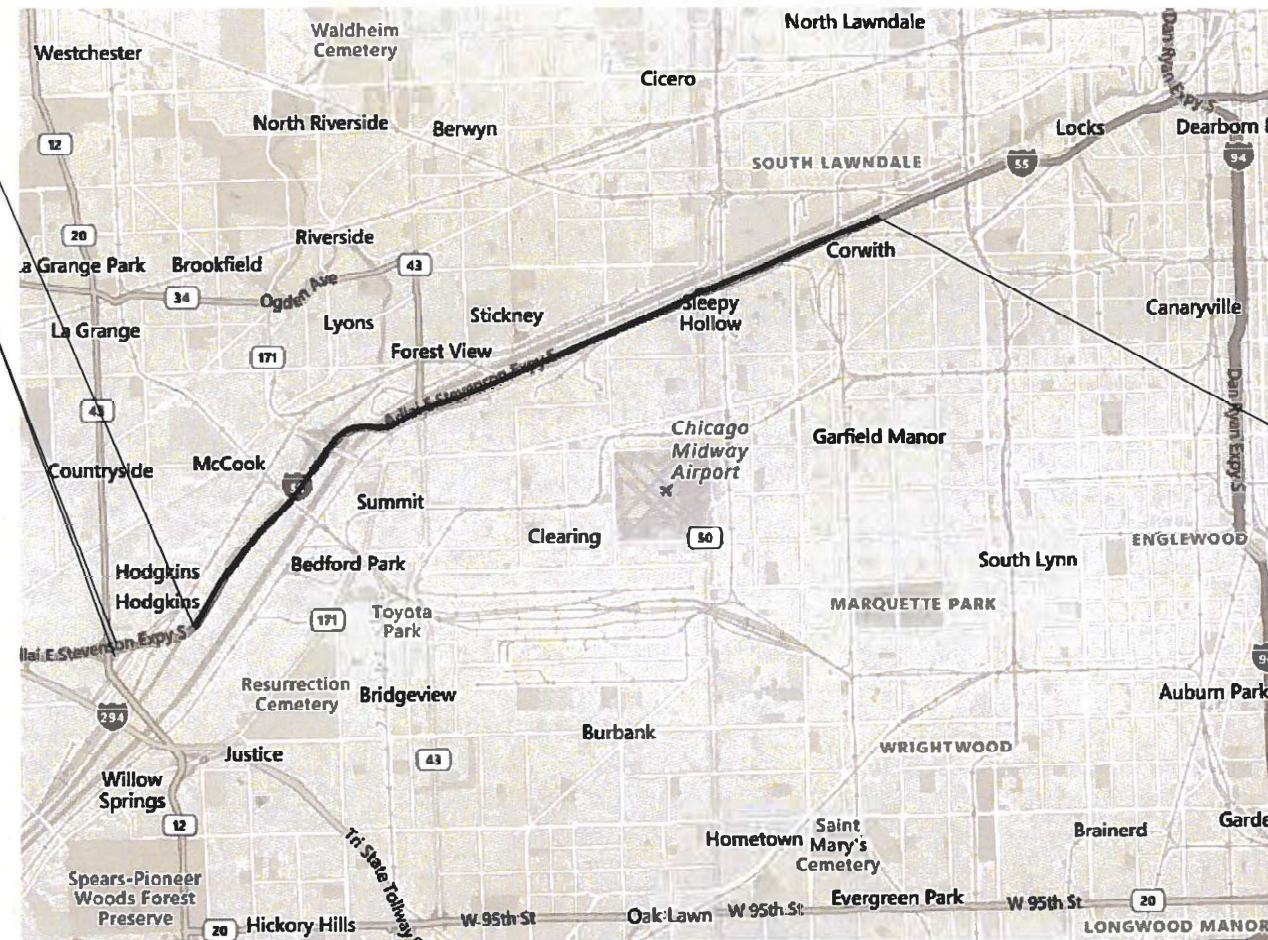


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

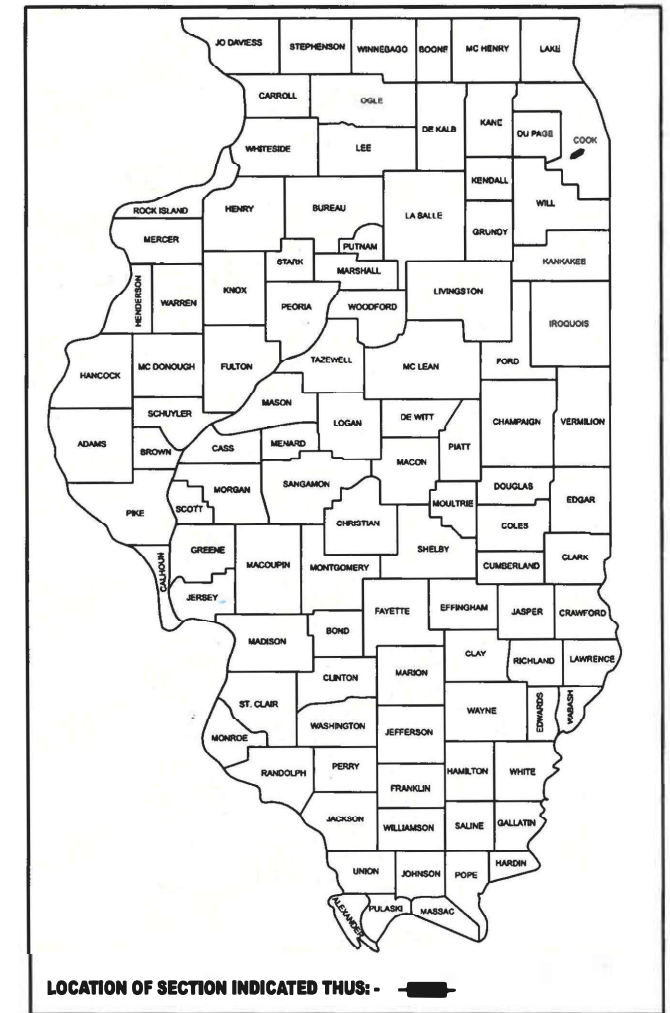
CONTRACT NO. 62V20



CHICAGO, STICKNEY AND LYONS TOWNSHIPS

GROSS LENGTH = 42,375 FT. = 8.594 MILE
NET LENGTH = 1,269 FT. = 0.240 MILE

D-91-158-23



LOCATION OF SECTION INDICATED THUS: - [black rectangle]



LOCATION 2
PATCHING ENDS:
I-55 (STEVENSON EXPRESSWAY)
WEST OF KEDZIE AVENUE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 18, 2024
Jose R. [Signature]
REGIONAL ENGINEER

May 10, 2024 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.

DESCRIPTION

STANDARD NO.

DESCRIPTION

1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
3. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
4. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
5. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.
8. FRAMES AND LIDS/GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
10. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.
11. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
12. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
13. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
14. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
15. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED OR PLATED STRUCTURES ACCORDING TO THE STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
16. THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.
17. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.
18. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
19. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 FOR EXPRESSWAYS A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
20. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT (847-705-4151 OR 4155) OR WWW.IDOTLCS.COM AT LEAST (24) HOURS IN ADVANCE OF ALL DAILY LANE, AND RAMP AND SHOULDER CLOSURES.

1	TITLE SHEET	000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES	442201-03	CLASS C AND D PATCHES
3	SUMMARY OF QUANTITIES	701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
4	SCHEDULE OF QUANTITIES	701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
5 - 6	TYPICAL SECTIONS	701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
7 - 26	ROADWAY PLANS	701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
27	RAMPS DETECTION PLANS	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
28	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
29	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
30	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
31	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)	701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
32	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE LANE AND MULTI-LANE WEAVE (TC-09)	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
33	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701901-09	TRAFFIC CONTROL DEVICES
34	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)		
35 - 36	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)		
37	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)		
38	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)		
39	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)		
40	TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)		
41	ARTERIAL ROAD INFORMATION SIGN (TC-22)		

MODEL: GenNotesShr01 (Sheet)
FILE NAME: c:\pwworking\idiazal0922982\115823-shr-gennotes.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$CALE\$	CHECKED -	REVISED -
PLOT DATE = 3/26/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, STATE STANDARD AND GENERAL NOTES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	2
			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

ROADWAY
0005
I-55
RAMPS
100%
STATE

ROADWAY
0005
I-55
MAINLINE
100%
STATE

DETECTOR
0021
I-55
RAMPS
100%
STATE

Code No.	Item	Unit	Total Quantity					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2750	2528	222	0		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10	0	0		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	131	131	0	0		
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	155	35	120	0		
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	206	206	0	0		
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	428	368	60	0		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	493	0	493	0		
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	3745	3745	0	0		
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	648	155	493	0		
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	61	20	41	0		
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	308	30	278	0		
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	69	50	19	0		
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	84	30	54	0		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	131	131	0	0		
67100100	MOBILIZATION	L SUM	1	0.5	0.5	0		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	0	0		
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.5	0.5	0		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1446	906	540	0		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1023	303	720	0		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	3030	2490	540	0		
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	10	10	0	0		
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	10	10	0	0		

SUMMARY OF QUANTITIES

ROADWAY
0005
I-55
RAMPS
100%
STATE

ROADWAY
0005
I-55
MAINLINE
100%
STATE

DETECTOR
0021
I-55
RAMPS
100%
STATE

Code No.	Item	Unit	Total Quantity					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3030	2490	540	0		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	20	20	0	0		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	20	20	0	0		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	25	0	25	0		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	25	0	25	0		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1023	843	180	0		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	210	0	0	210		
* 83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	4	0	0	4		
* X0326812	CAT 5 ETHERNET CABLE	FOOT	260	0	0	260		
* X1400106	WIRELESS VEHICLE DETECTION SYSTEM	EACH	2	0	0	2		
* X1400211	LIGHT POLE, SPECIAL, 30'	EACH	4	0	0	4		
* X1400337	WIRELESS IN PAVEMENT DETECTOR	EACH	20	0	0	20		
* X1400438	WIRELESS VEHICLE DETECTION SOLAR REPEATER	EACH	2	0	0	2		
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	73	73	0	0		
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	3	3	0		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.5	0.5	0		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	0	0		
* SPECIALTY ITEM								

MODEL: SOQ (Sheet)
FILE NAME: c:\p\work\pwr\ofidiazia\0922982\0115823-shr-SOQ.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	3
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				

CLASS D PATCHING ALONG I-55 MAINLINE

PATCH #	DIRECTION	LANE	LENGTH	WIDTH	DEPTH	PATCH AREA			
						TYPE I	TYPE II	TYPE III	TYPE IV
						<5 (sq. yd)	5-15 (sq. yd)	15-25 (sq. yd)	25< (sq. yd)
1	SB	3	6	12	10	0	8	0	0
2	SB	2	8	12	10	0	11	0	0
3	SB	1	6	12	10	0	8	0	0
4	SB	3	6	12	10	0	8	0	0
5	SB	2	10	12	10	0	14	0	0
6	SB	3	6	12	10	0	8	0	0
7	SB	1	9	12	10	0	12	0	0
7B	SB	2	9	12	10	0	12	0	0
8	SB	1	10	12	10	0	14	0	0
9	SB	2	40	12	10	0	0	0	54
10	SB	2	8	12	10	0	11	0	0
10B	SB	3	8	12	10	0	11	0	0
11	SB	3	8	12	10	0	11	0	0
12	SB	3	9	12	10	0	12	0	0
13	SB	2	6	12	10	0	8	0	0
13B	SB	3	6	12	10	0	8	0	0
14	SB	3	8	6	10	0	6	0	0
15	SB	2	7	6	10	5	0	0	0
16	SB	2	6	12	10	0	8	0	0
16B	SB	3	6	12	10	0	8	0	0
17	SB	3	8	12	10	0	11	0	0
18	SB	3	6	6	10	4	0	0	0
19	SB	3	10	12	10	0	14	0	0
20	SB	3	6	6	10	4	0	0	0
21	SB	2	8	12	10	0	11	0	0
22	SB	2	6	6	10	4	0	0	0
23	SB	2	6	12	10	0	8	0	0
24	SB	3	14	12	10	0	0	19	0
25	SB	3	6	6	10	4	0	0	0
26	SB	3	6	6	10	4	0	0	0
27	NB	2	6	6	10	4	0	0	0
28	NB	2	9	12	10	0	12	0	0
29	NB	3	6	6	10	4	0	0	0
30	NB	3	6	6	10	4	0	0	0
31	NB	1	10	6	10	0	7	0	0
31B	NB	2	10	6	10	0	7	0	0
32	NB	3	6	12	10	0	8	0	0
33	NB	3	6	6	10	4	0	0	0
34	NB	2	10	12	10	0	14	0	0
35	NB	3	6	12	10	0	8	0	0
					SUBTOTAL	41 (sq. yd)	278 (sq. yd)	19 (sq. yd)	54 (sq. yd)

MODEL: Schedule01 [Sheet]
FILE NAME: c:\p\work\wv\101\diazia\0922982\ID115823-shr-schedule.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

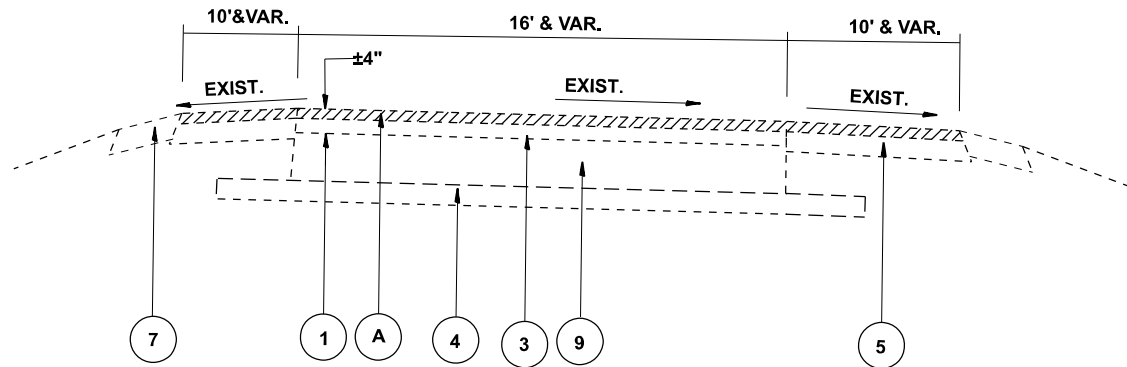
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CLASS D PATCHING ALONG I-55 MAINLINE
SCHEDULE OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	4
CONTRACT NO. 62V20			ILLINOIS FED. AID PROJECT	

I-55 RAMPS AT US 12/20/45



EXISTING TYPICAL ROADWAY CROSS SECTION
I-55 RAMPS AT US 12/20/45
US 12/20/45 (NB) TO I-55 (SB): STATION 10+27 TO 14+62
I-55 (NB) TO US 12/20/45 (NB): STATION 11+38 TO 19+52

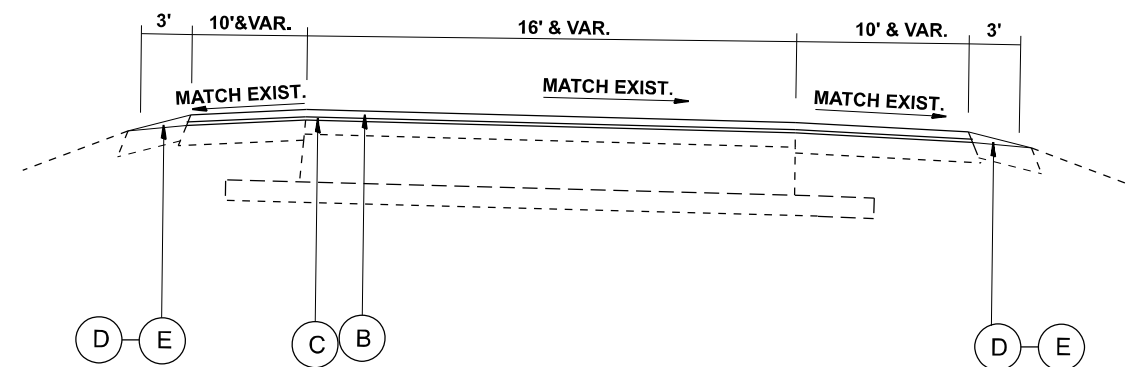
LEGEND

- ① EXISTING HOT-MIX ASPHALT PAVEMENT
- ② EXISTING P.C.C. PAVEMENT, 10"
- ③ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING, ±1 1/4"
- ④ EXISTING SUB-BASE GRAN. MATL., 6"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING SHOULDER RUMBLE STRIP
- ⑦ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑧ EXISTING PIPE UNDERDRAIN
- ⑨ EXISTING CONTINUOUS REINFORCED P.C.C. PAVEMENT, 10"
- (A) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- (B) PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (C) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
- (D) PROPOSED GRADING AND SHAPING SHOULDER
- (E) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"

ROADWAY NOTE:

1. CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

I-55 RAMPS AT US 12/20/45



PROPOSED TYPICAL ROADWAY CROSS SECTION
I-55 RAMPS AT US 12/20/45
US 12/20/45 (NB) TO I-55 (SB): STATION 10+27 TO 14+62
I-55 (NB) TO US 12/20/45 (NB): STATION 11+38 TO 19+52

NOTE:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. 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 RECLAIMED MATERIALS SPECIFICATIONS.

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	PERSECT AIR VOIDS @ Ndes	
I-55 RAMP RESURFACING OVERLAY		
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"	3.5% AT 80 GYR.	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% AT 50 GYR.	QC/QA
I-55 RAMP PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0), 10"	4% AT 90 GYR.	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER, IL-19 mm), 4"	4% AT 90 GYR.	QC/QA
I-55 MAINLINE PATCHING		
CLASS D PATCHES (BINDER, IL-19.0), 10"	4% AT 90 GYR.	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER, IL-19 mm), 4"	4% AT 90 GYR.	QC/QA
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"	3.5% AT 80 GYR.	QC/QA
QMP Designation: Pay for Performance (PFP); Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)		

MODEL: Sheet1 [Sheet]
FILE NAME: c:\p\work\122045\115823-shr\typical.dgn

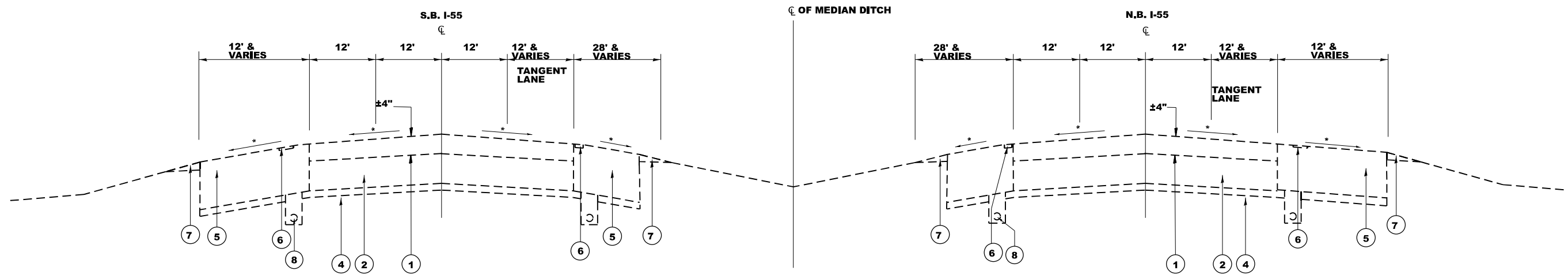
USER NAME = ivan.diaz	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 RAMPS
TYPICAL SECTIONS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	5
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



TYPICAL EXISTING ROADWAY CROSS SECTION
I-55 MAINLINE
STATION 240+00 TO 681+05

ROADWAY NOTE:

1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY ENGINEER.
2. HMA REMOVAL OVER PATCHES SHALL BE USED TO EXPOSE THE PCC (CRC) PAVEMENT UNDERNEATH THE HMA.
3. THE CONDITION OF THE EXISTING PCC (CRC) WILL BE ASSESSED IN FIELD BY ENGINEER. IF THE EXISTING PCC PAVEMENT CONDITIONS ARE ACCEPTABLE, HMA REPLACEMENT OVER PATCHES SHALL BE USED. IF THE EXISTING PCC PAVEMENT IS NOT ACCEPTABLE, FULL DEPTH PATCHING WILL BE NEEDED.
4. FULL-DEPTH PATCHING ALONG I-55 MAINLINE WILL BE PAID ACCODING TO CLASS D PATCHES, 10", AND HMA REPLACEMENT OVER PATCHES.
5. IN BOTH CASES, HMA REPLACEMENT OVER PATCHES SHALL BE PLACED TO MATCH THE SURFACE OF THE SURROUNDING EXISTING PAVEMENT. THE PROPOSED I-55 MAINLINE PATCHES SHALL THEN BE MILLED PER HMA SURFACE REMOVAL 2" AND REPLACED WITH POLYMERIZED HMA SURFACE COURSE STONE MATRIX ASPHALT 9.5 MIX "F" N80 AFTER THE PROPOSED HMA REPLACEMENT OVER PATCHES HAS COOLED AND AT THE DIRECTION OF THE ENGINEER.

LEGEND

- ① EXISTING HOT-MIX ASPHALT PAVEMENT
- ② EXISTING P.C.C. PAVEMENT, 10"
- ③ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING, ±1 1/4"
- ④ EXISTING SUB-BASE GRAN. MATL., 6"
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑥ EXISTING SHOULDER RUMBLE STRIP
- ⑦ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑧ EXISTING PIPE UNDERDRAIN
- ⑨ EXISTING CONTINUOUS REINFORCED P.C.C. PAVEMENT, 10"
- A PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- B PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- C PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
- D PROPOSED GRADING AND SHAPING SHOULDER
- E PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"

MODEL: Sheet2 [Sheet]
FILE NAME: c:\p\work\pav\road\dia\0922982\115823-shr\typical.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 MAINLINE
TYPICAL SECTIONS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	6
			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				



I-55

RAMP OFF LAGRANGE ROAD

HMA CONC
HMA CONC

BIT. SHOULDER

OUTBOUND-55

156 157 158 159 160+00 161 162 163 164 165+00 166 167 168

BIT. SHOULDER

RAMP

BIT. SHOULDER

BIT. SHOULDER

RAMP

BIT. SHOULDER

BIT. SHOULDER

MATCHLINE STA. 169+00.00

MODEL: I55 Single Plan - SPlan01 (Sheet)
FILE NAME: c:\p\work\pwr\idiaz\id0922982\ID115823-shr-plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-55 AT US12/20/45 (LAGRANGE RD)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 156+00.00 TO STA. 169+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	7
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



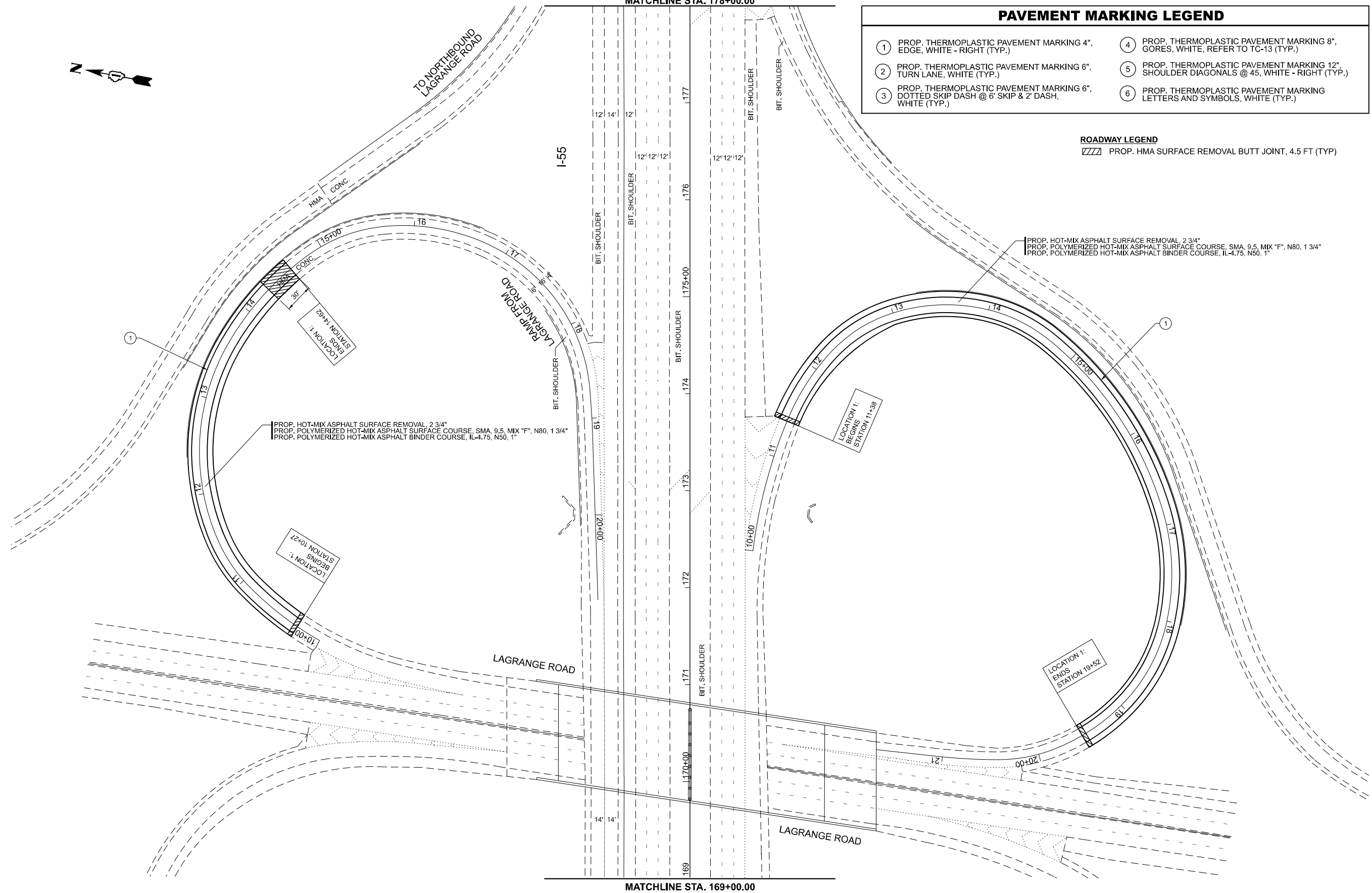
MATCHLINE STA. 178+00.00

PAVEMENT MARKING LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING 4", EDGE, WHITE - RIGHT (TYP.)
- ② PROP. THERMOPLASTIC PAVEMENT MARKING 6", TURN LANE, WHITE (TYP.)
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING 6", DOTTED SKIP DASH @ 6' SKIP & 2' DASH, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PAVEMENT MARKING 8", GORES, WHITE, REFER TO TC-13 (TYP.)
- ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING 12", SHOULDER DIAGONALS @ 45, WHITE - RIGHT (TYP.)
- ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)

ROADWAY LEGEND

- ▨ PROP. HMA SURFACE REMOVAL BUTT JOINT, 4.5 FT (TYP)



MATCHLINE STA. 169+00.00

MODEL: I55_Single_Plan - SPlan02 (Sheet)
 FILE NAME: c:\pwworking\ivandiaz\0922982\115823-shr-plan.dgn

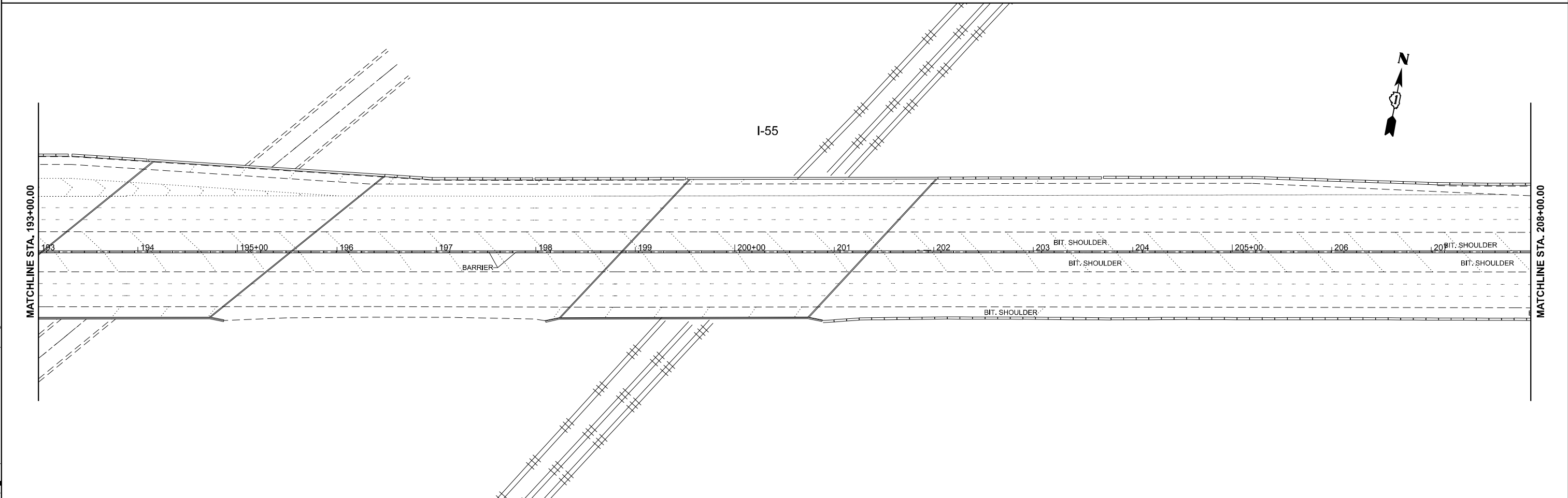
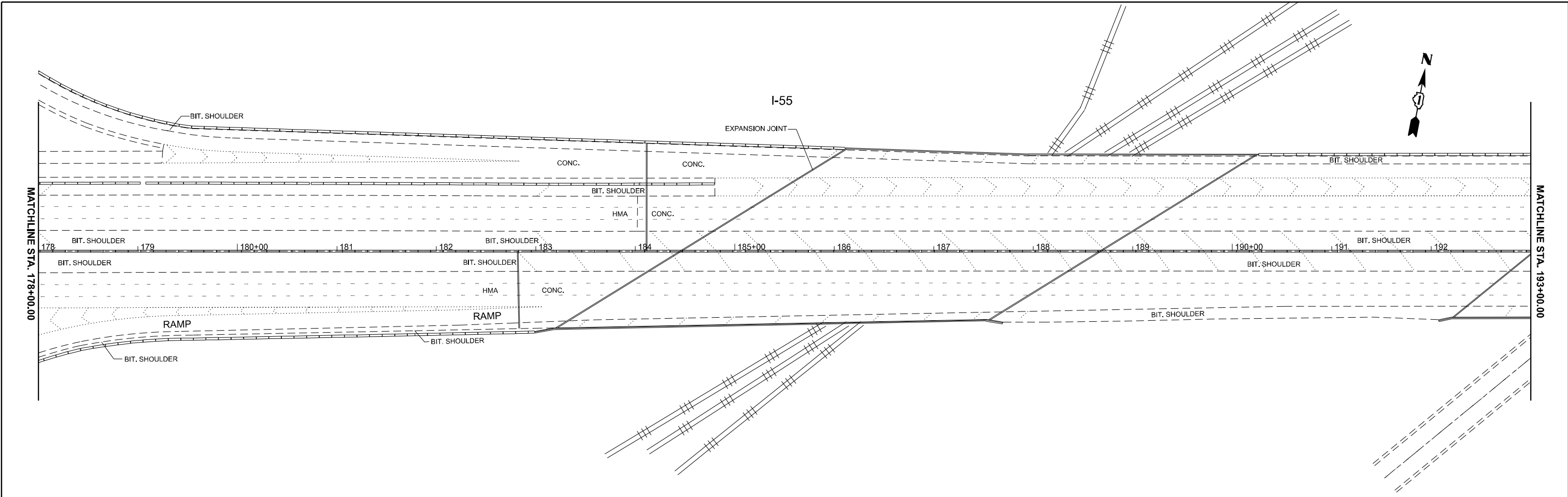
USER NAME = ivan.diaz	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-55 AT US12/20/45 (LAGRANGE RD)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 169+00.00 TO STA. 178+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	8
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



MODEL: I55 Double Plan - D:\Plan01 [Sheet]
 FILE NAME: c:\p\work\pwr\idiaz\0822982\I15823-shr-plan.dgn

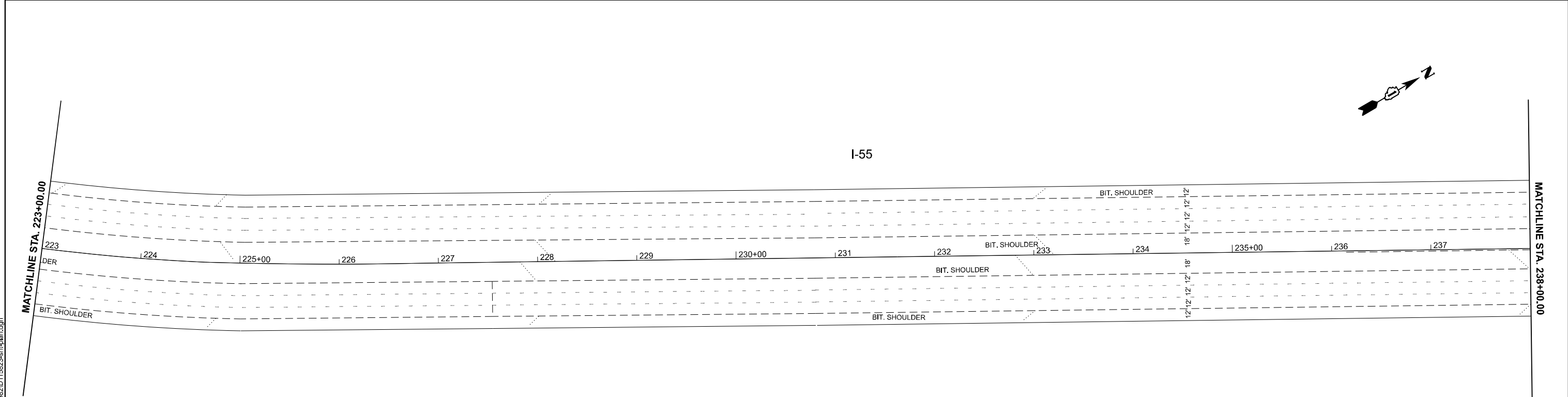
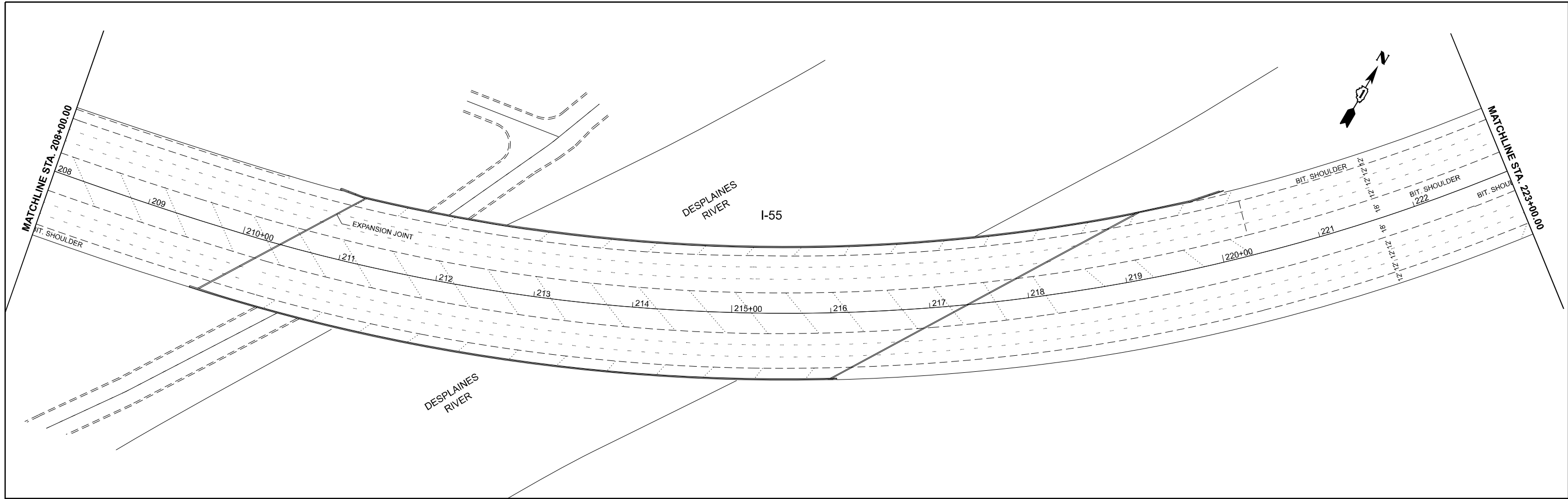
USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 178+00.00 TO STA. 208+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	9
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



MODEL: I55 Double Plan - D:\Plan03 [Sheet]
 FILE NAME: c:\p\work\work\idiaz\0922982\ID115823-shr-pln.dgn

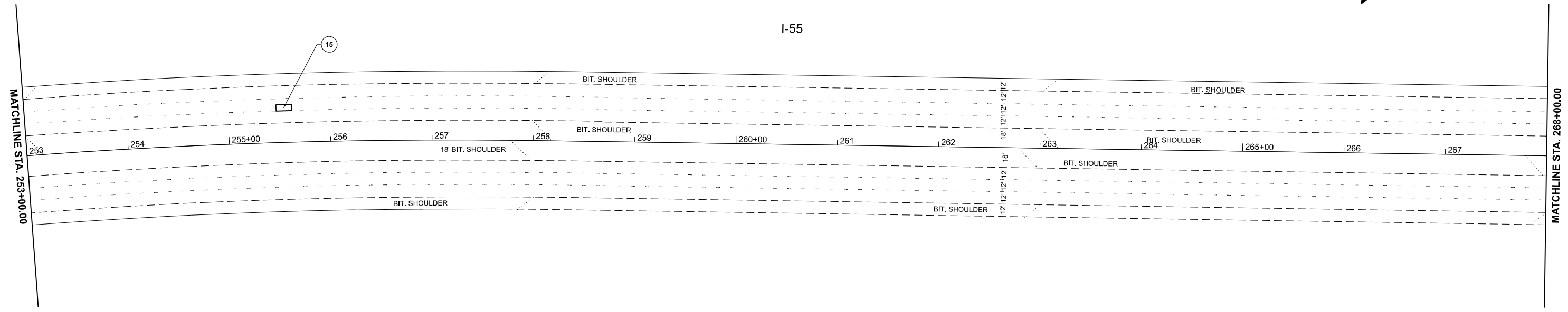
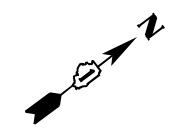
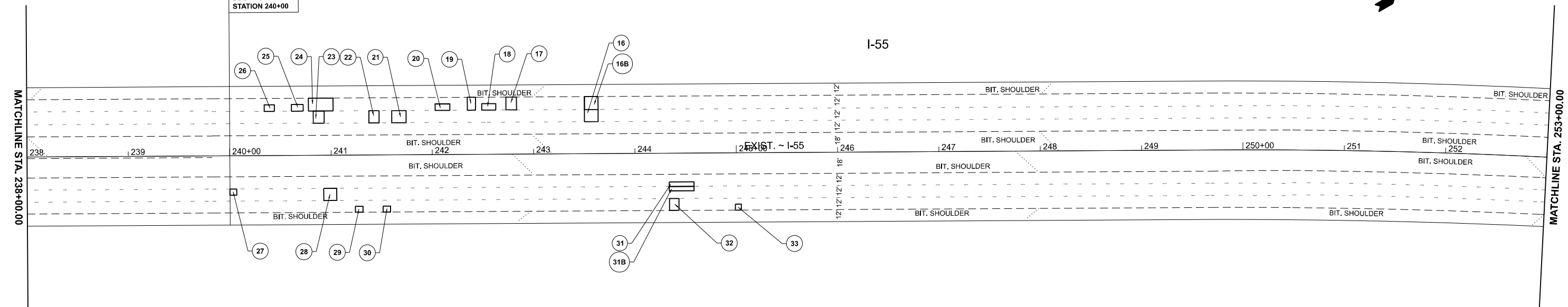
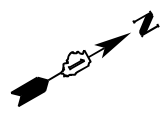
USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 208+00.00 TO STA. 238+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	10
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



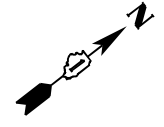
MODEL: I55 Double Plan - D:\Plan05 (Sheet)
 FILE NAME: c:\p\work\i55\i55a\i55a.dwg

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

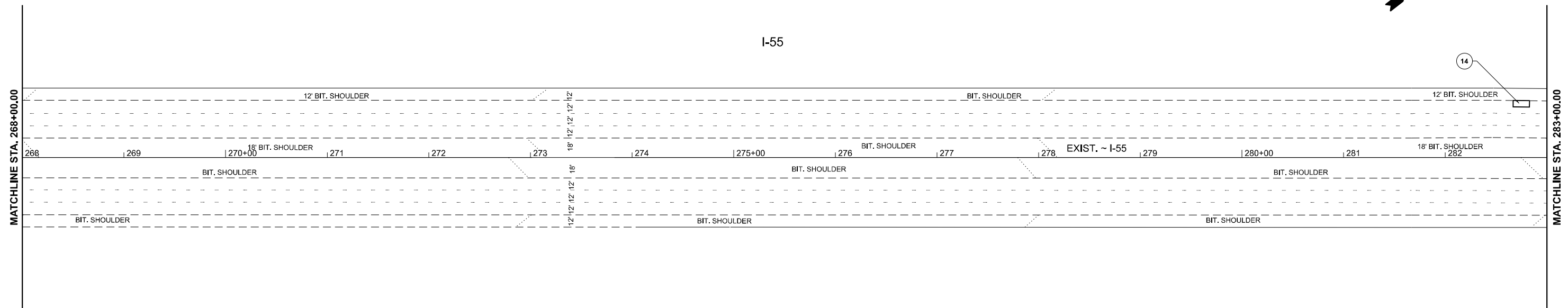
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN I-55 (VARIOUS LOCATIONS)			
SCALE: 1"=50'	SHEET OF 20 SHEETS	STA. 238+00.00	TO STA. 268+00.00

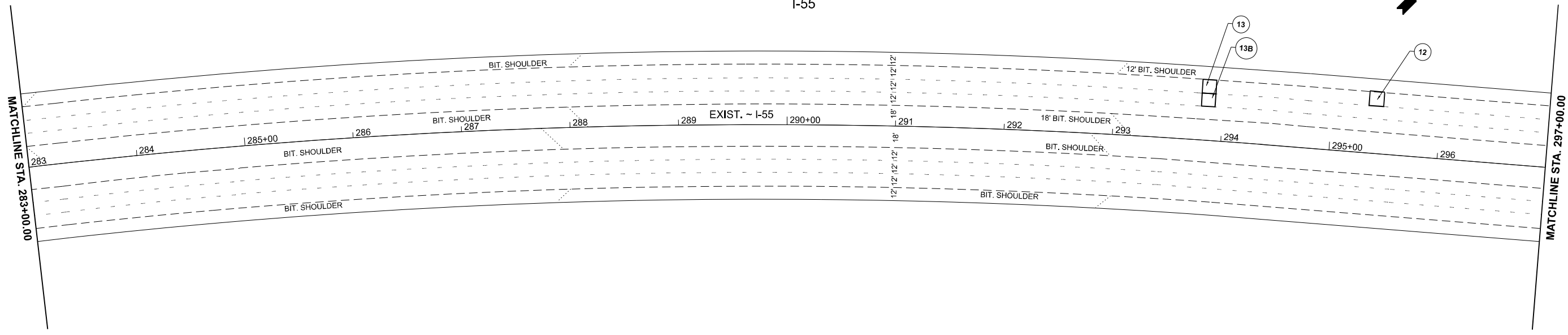
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	11
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



I-55



I-55



MODEL: I55 Double Plan - D:\Plan07 [Sheet]
 FILE NAME: c:\p\work\i55\i55.dwg

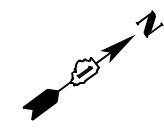
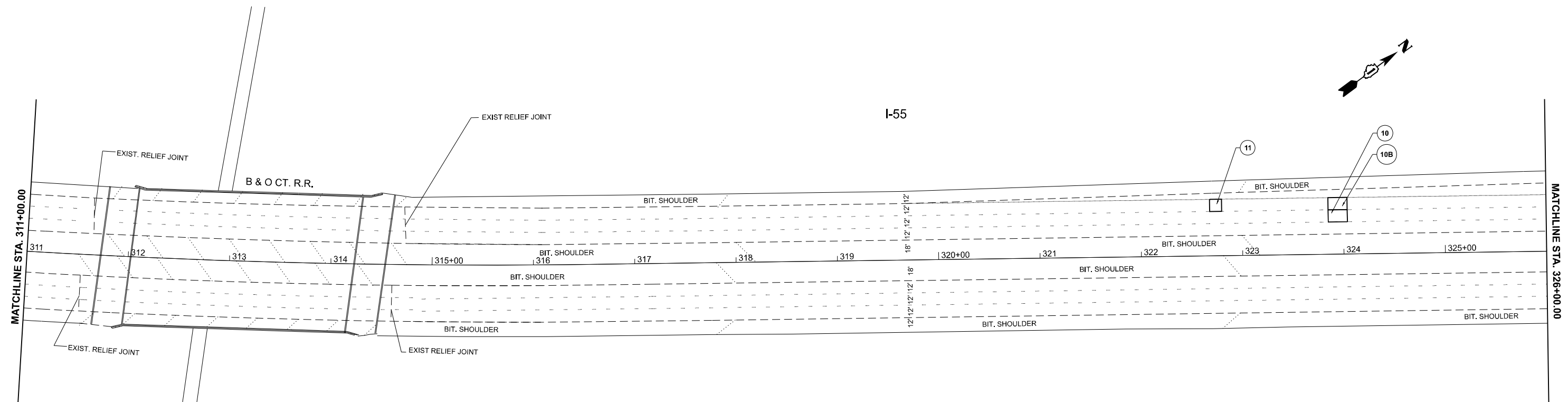
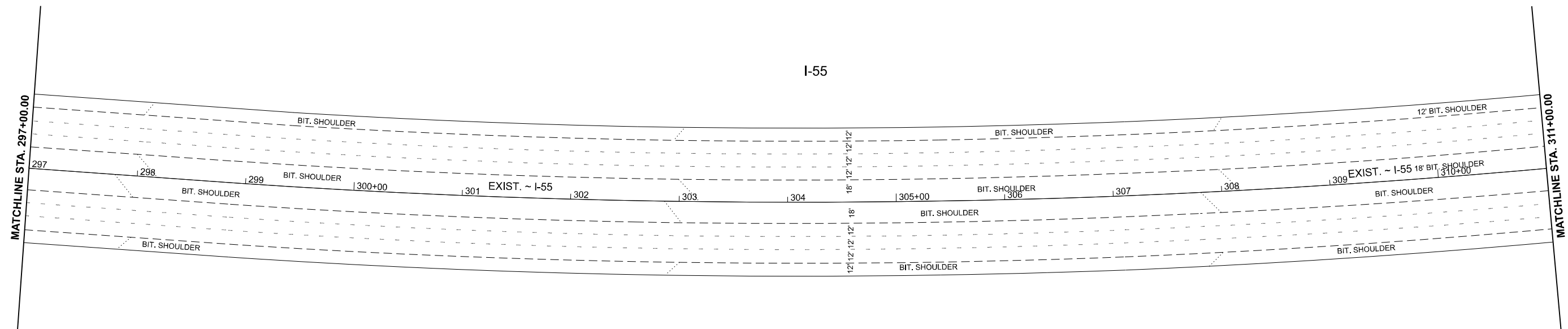
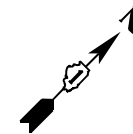
USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 268+00.00 TO STA. 297+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	12
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



MODEL: I55 Double Plan - D:\Plan09 [Sheet]
 FILE NAME: c:\p\work\i55\i55.dia\0922982\I15823-shr-plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

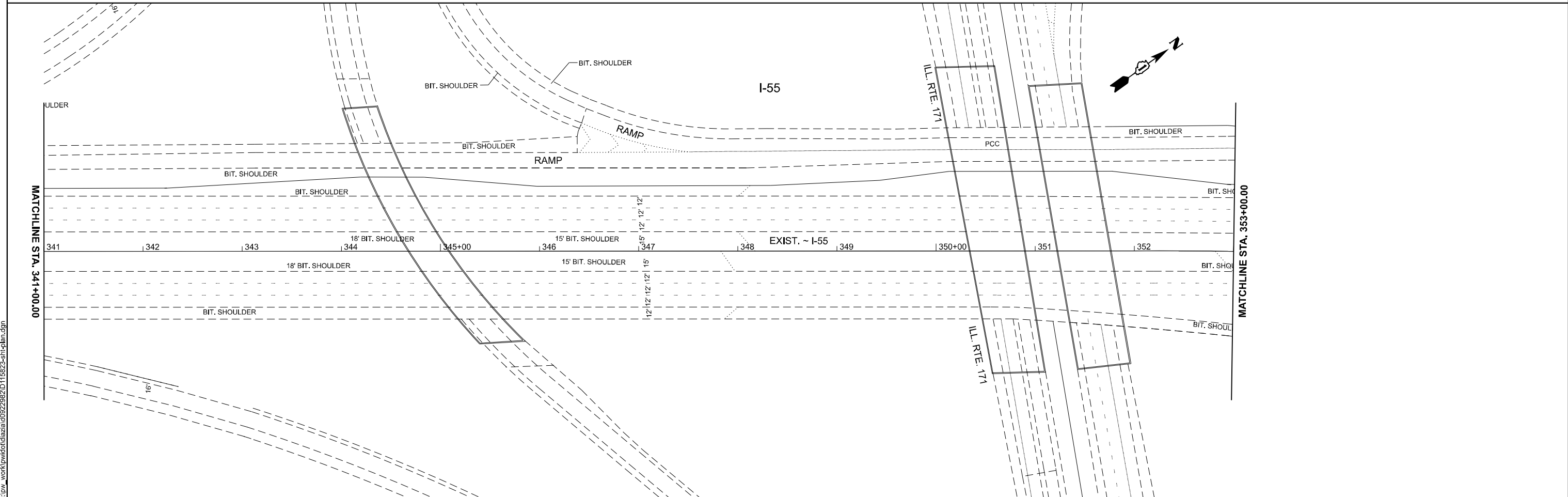
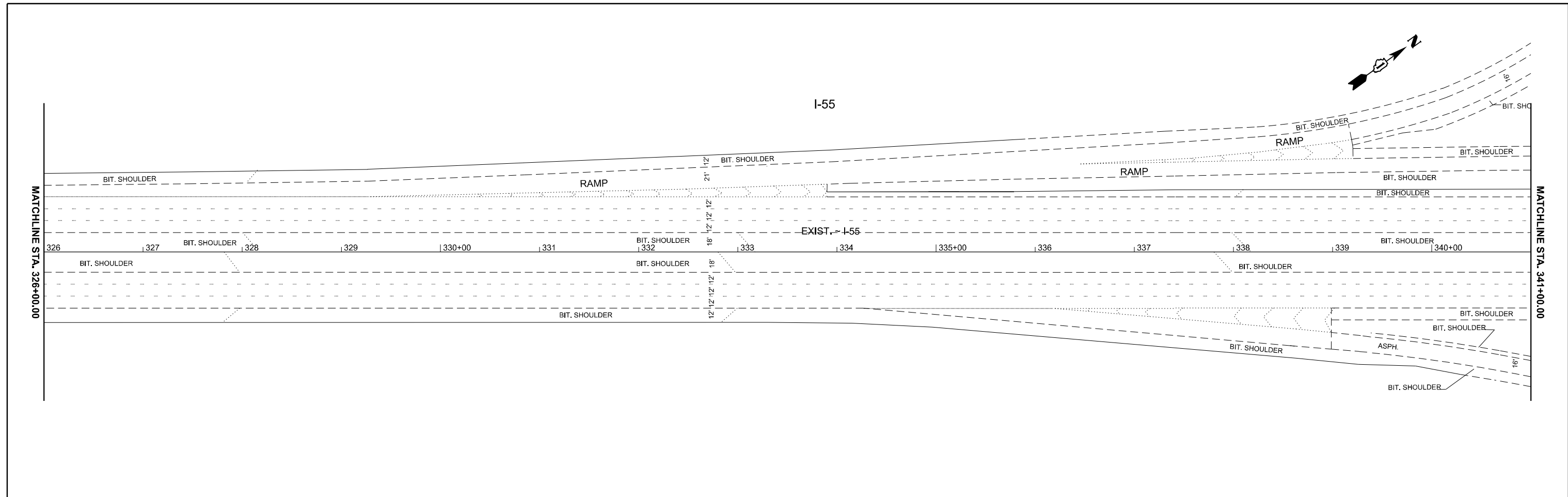
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 297+00.00 TO STA. 326+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	13
			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				

MODEL: I55 Double Plan - D1Plan11 [Sheet]
 FILE NAME: c:\p\work\i55\i55.dia\0922982\0115823-shr-plan.dgn



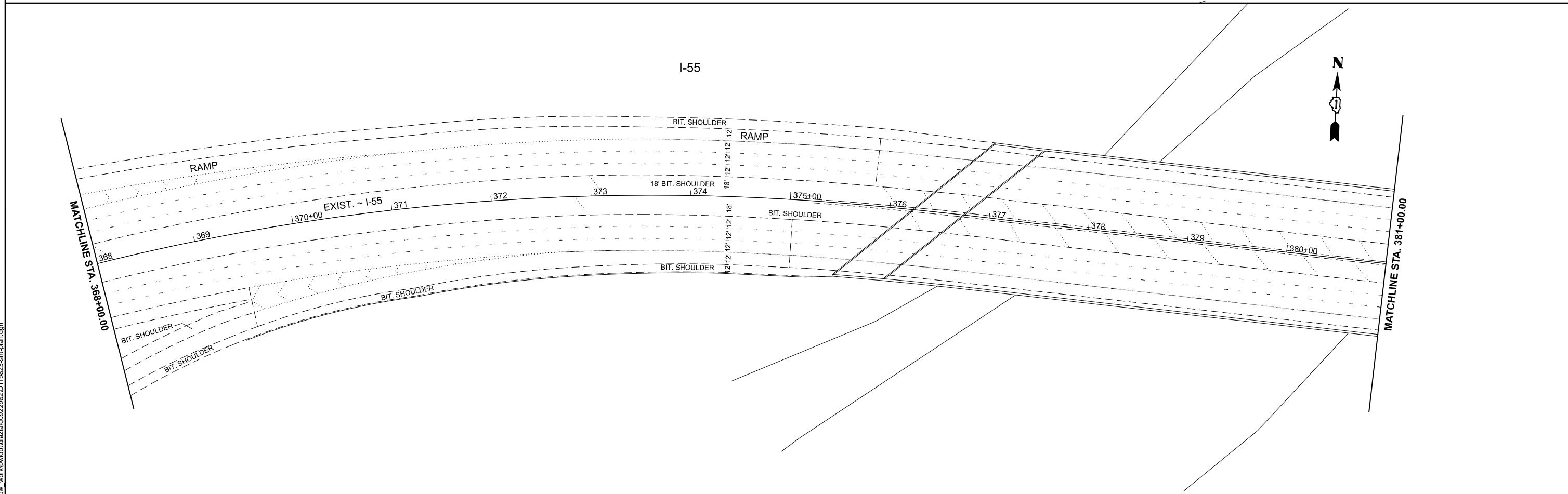
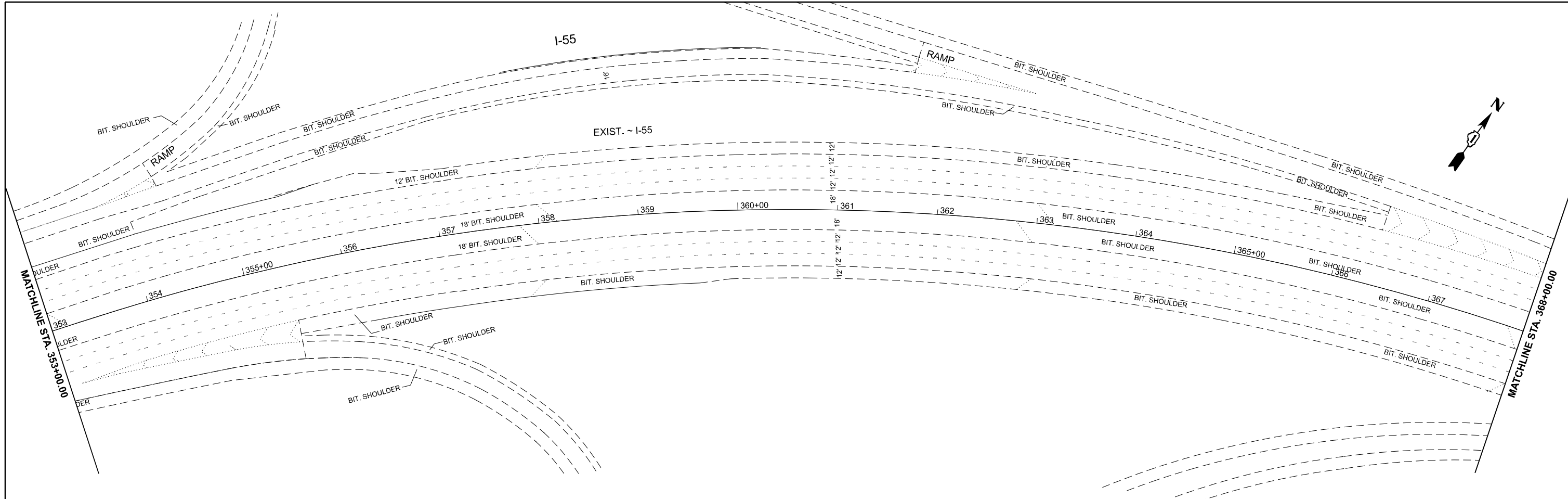
USER NAME = ivan.diaz	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 326+00.00 TO STA. 353+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	14
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



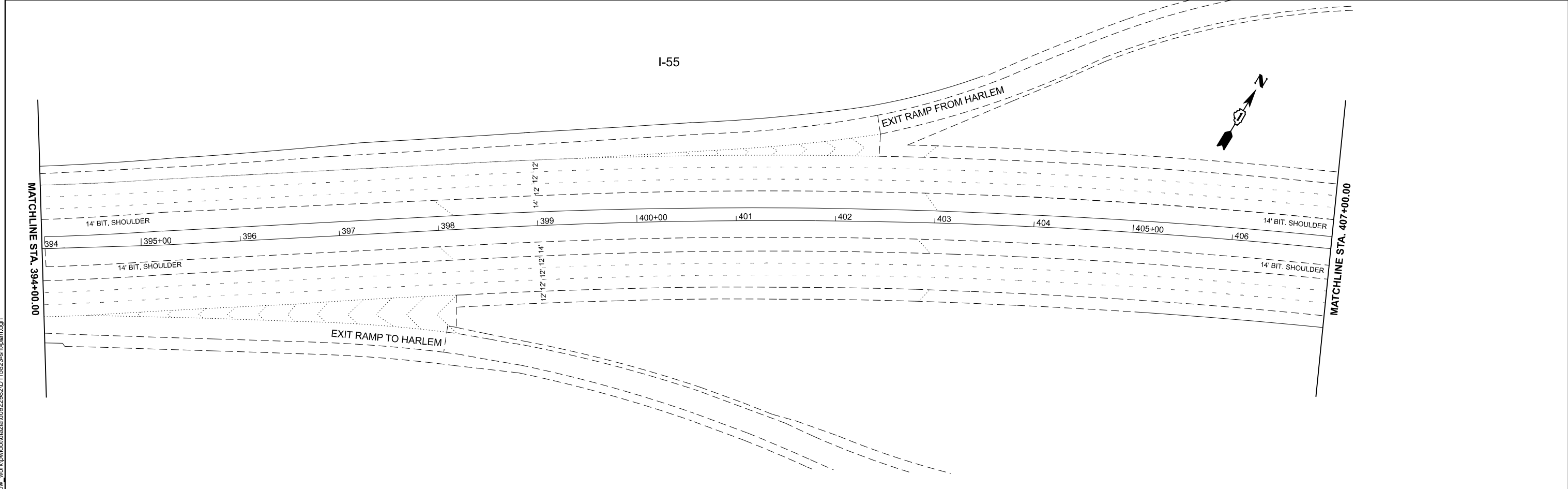
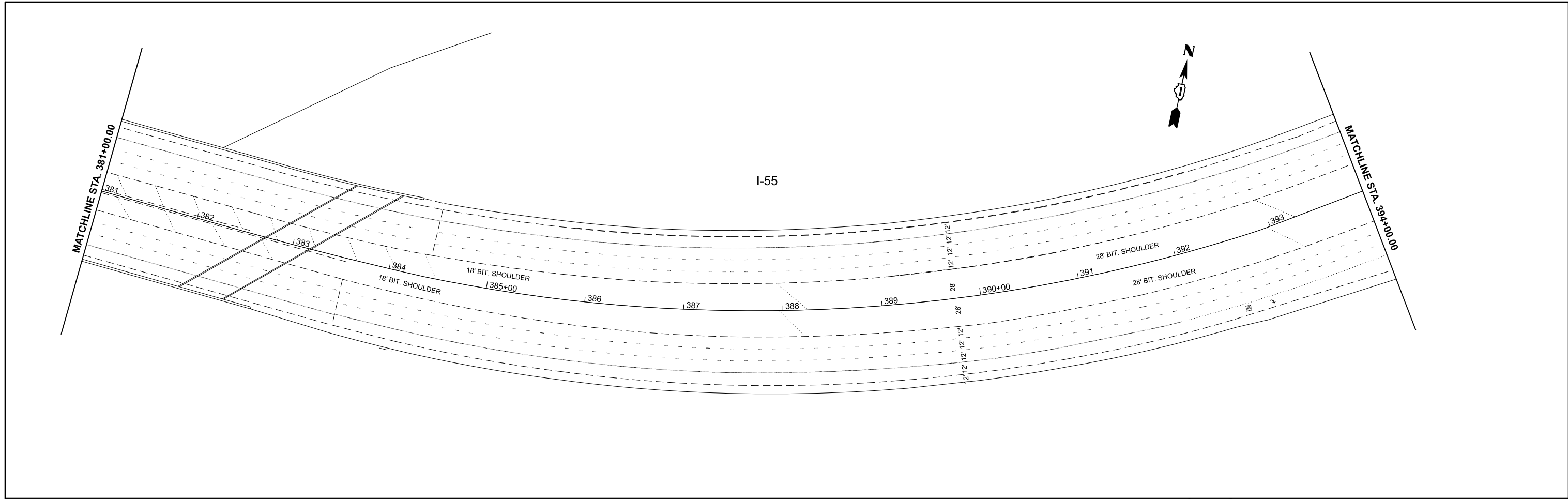
MODEL: I55 Double Plan - D:\Plan13 [Sheet]
 FILE NAME: c:\p\work\i55\i55a\0922982\I15823-shr-plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN I-55 (VARIOUS LOCATIONS)	
SCALE: 1"=50'	SHEET OF 20 SHEETS STA. 353+00.00 TO STA. 381+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	15
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



MODEL: I55 Double Plan - D:\Plan15 (Sheet)
 FILE NAME: c:\p\work\var\concrete\0922982\0922982-shr-plan.dgn

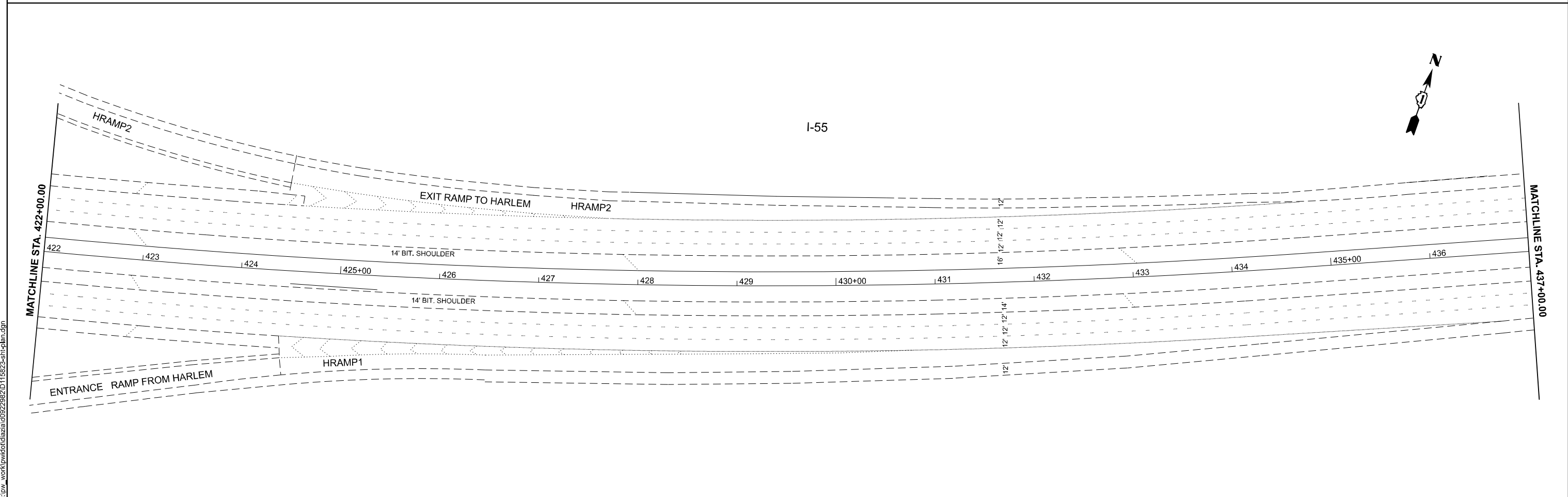
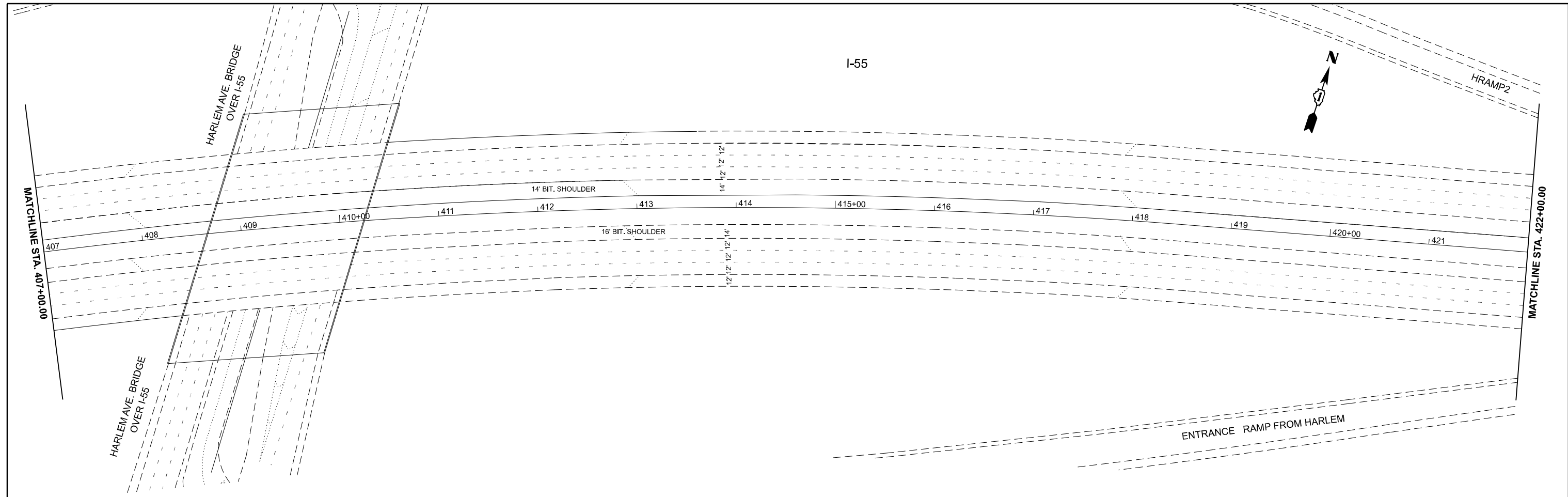
USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
I-55 (VARIOUS LOCATIONS)

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 381+00.00 TO STA. 407+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	16
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



MODEL: I55 Double Plan - D:\Plan17 [Sheet]
 FILE NAME: c:\p\work\work\idiaz\0922982\I15823-shr-plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

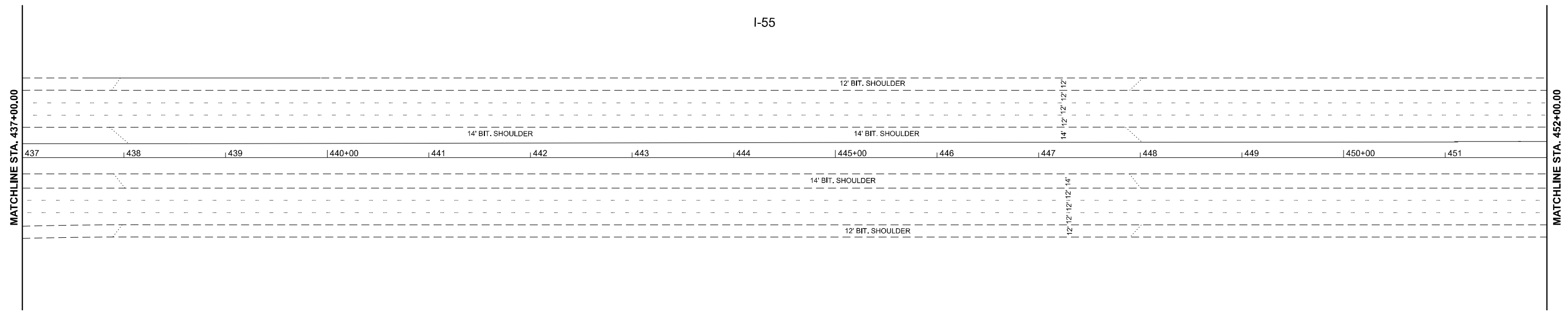
ROADWAY PLAN
I-55 (VARIOUS LOCATIONS)

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 407+00.00 TO STA. 437+00.00

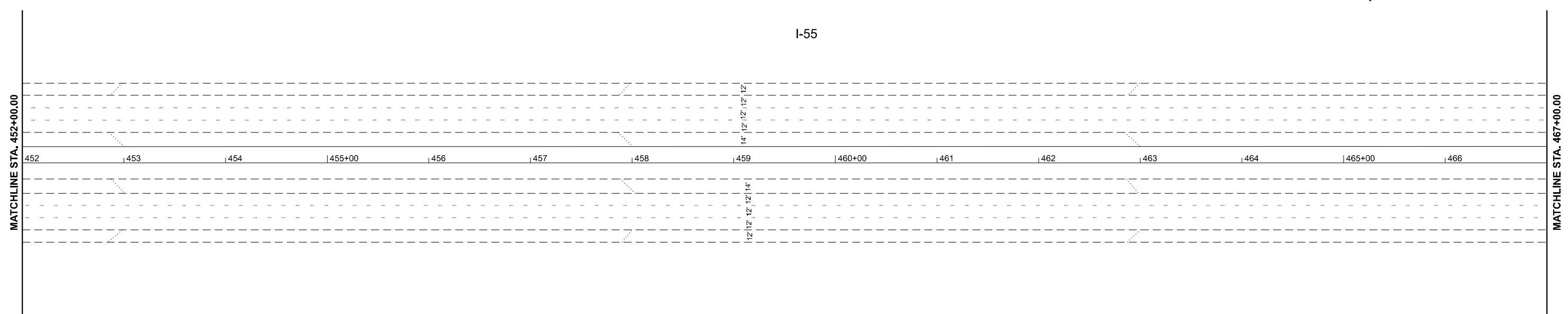
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	17
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



I-55



I-55



MODEL: I55 Double Plan - D:\Plan19 [Sheet]
FILE NAME: c:\p\work\i55\i55.dwg

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

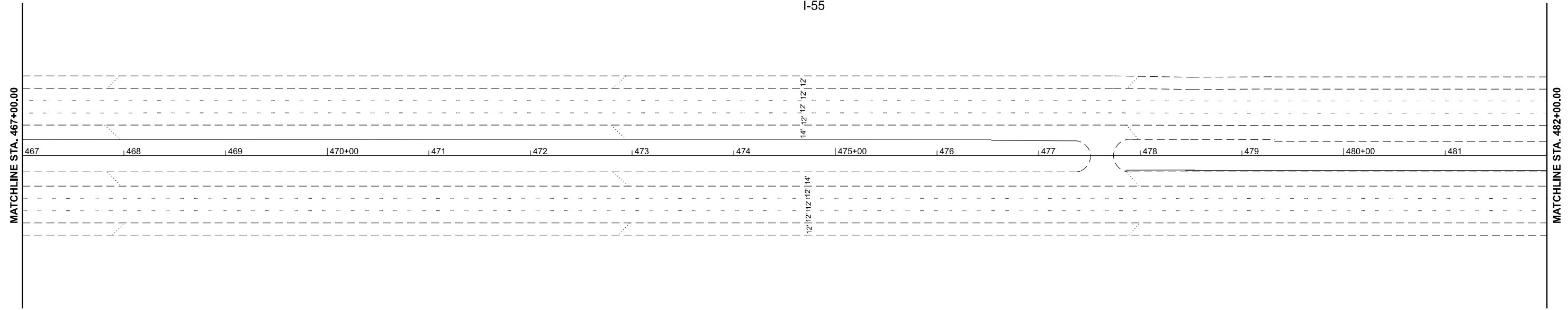
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN I-55 (VARIOUS LOCATIONS)			
SCALE: 1"=50'	SHEET OF 20 SHEETS	STA. 437+00.00	TO STA. 467+00.00

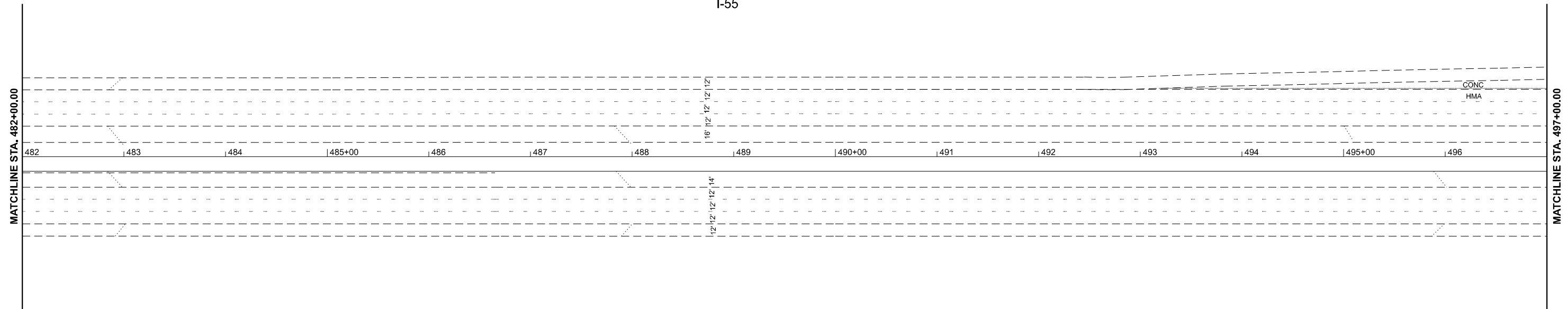
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	18
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



I-55



I-55



MODEL: I55 Double Plan - D1Plan21 [Sheet]
 FILE NAME: c:\p\work\155\155.dia\155.dia\155.dia.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

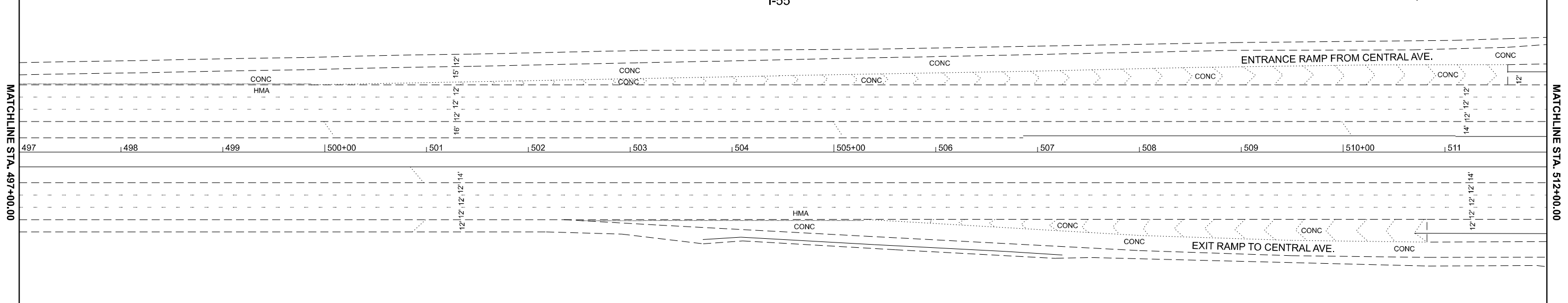
**ROADWAY PLAN
 I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 467+00.00 TO STA. 497+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	19
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



I-55

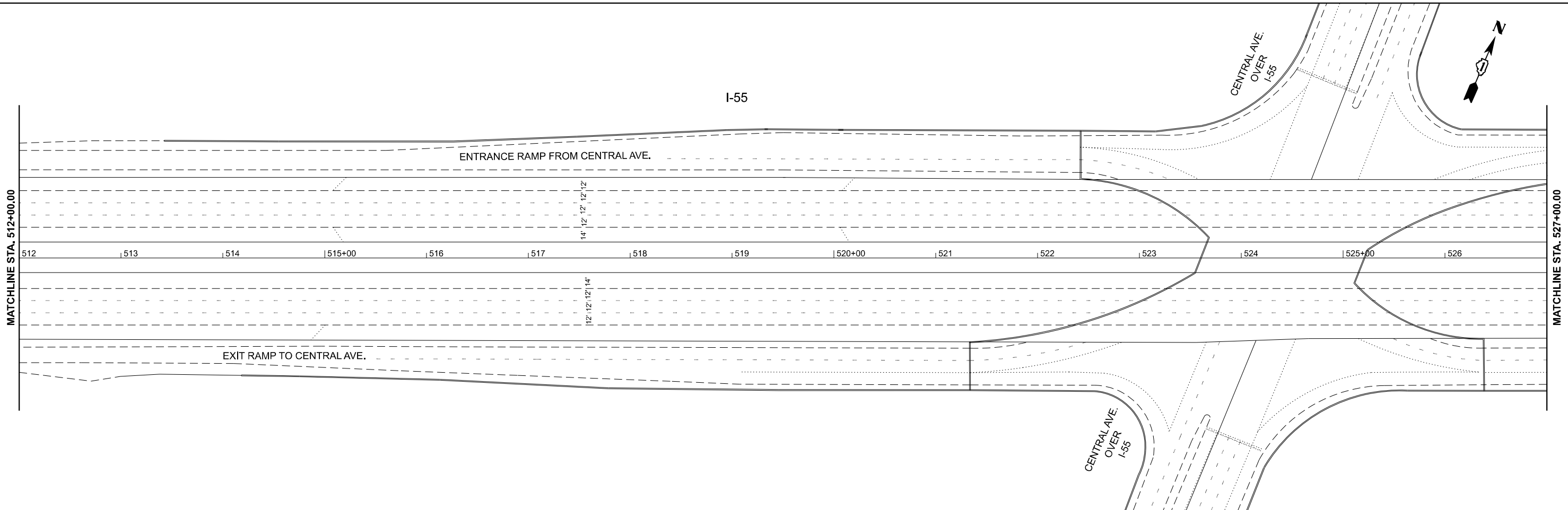


MATCHLINE STA. 512+00.00

MATCHLINE STA. 497+00.00



I-55



MATCHLINE STA. 527+00.00

MATCHLINE STA. 512+00.00

MODEL: I55 Double Plan - D1Plan23 (Sheet)
FILE NAME: c:\p\work\15823\15823-shr-pln.dgn

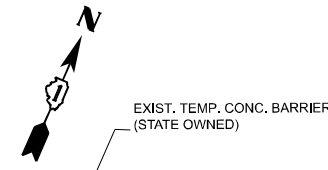
USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

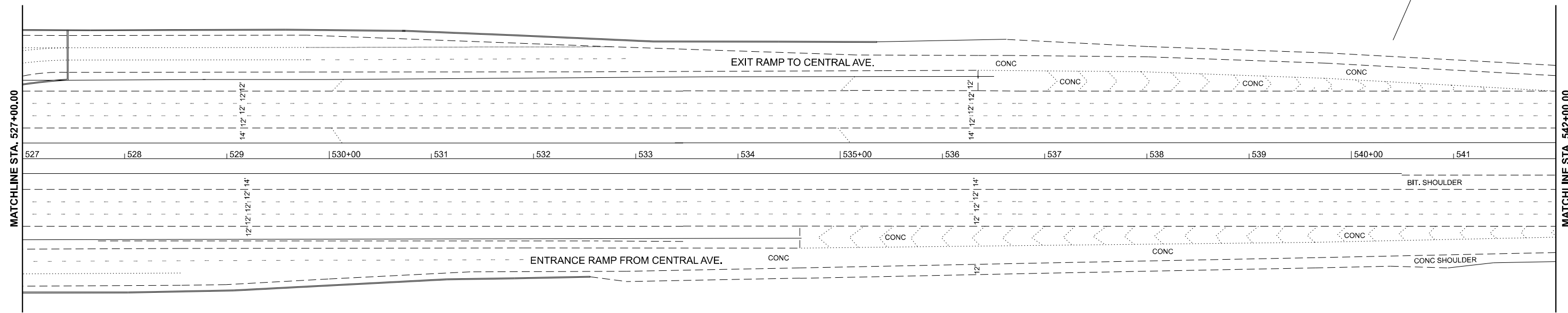
**ROADWAY PLAN
I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 497+00.00 TO STA. 527+00.00

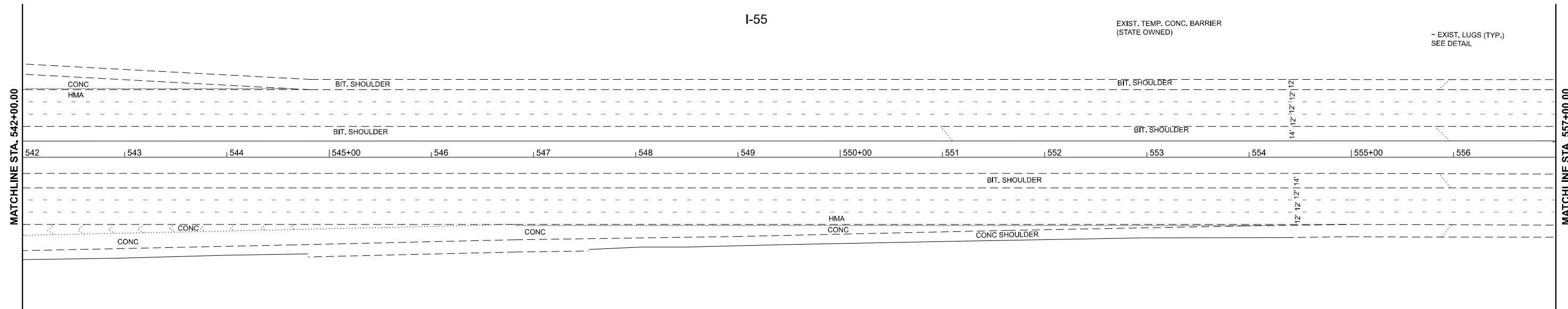
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	20
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



I-55



I-55



MODEL: I55 Double Plan - D:\Plan215 (Sheet)
FILE NAME: c:\p\work\i55\i55.dwg

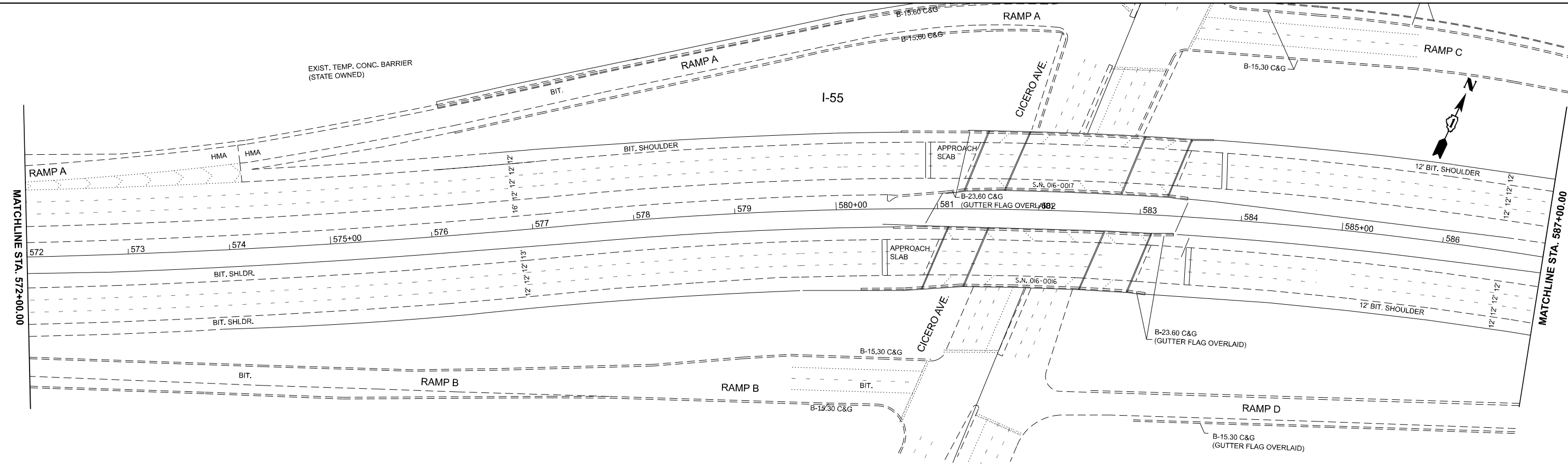
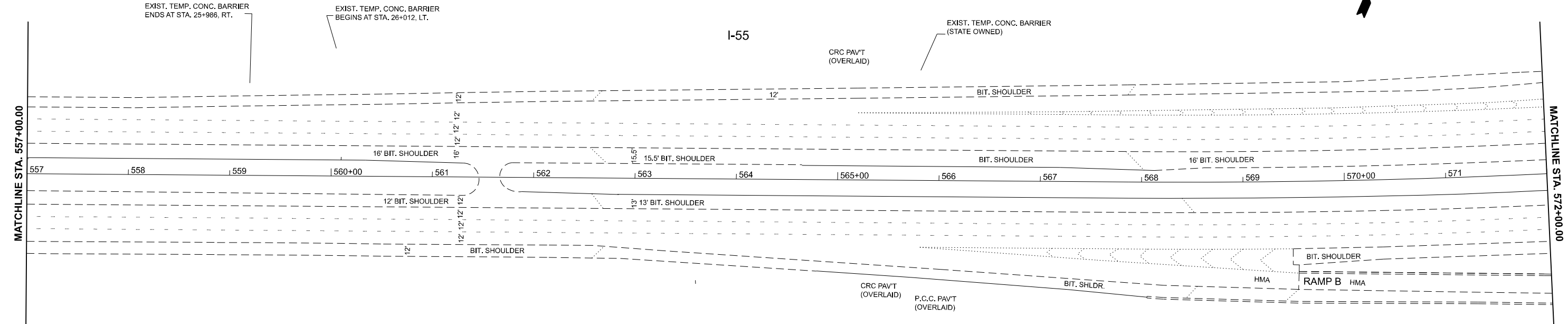
USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
I-55 (VARIOUS LOCATIONS)

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 527+00.00 TO STA. 557+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	21
CONTRACT NO. 62V20			ILLINOIS FED. AID PROJECT	



MODEL: I55 Double Plan - D:\Plan27 [Sheet]
 FILE NAME: c:\p\work\i55\i55a\i55a\0922982\I15823-shr-plan.dgn

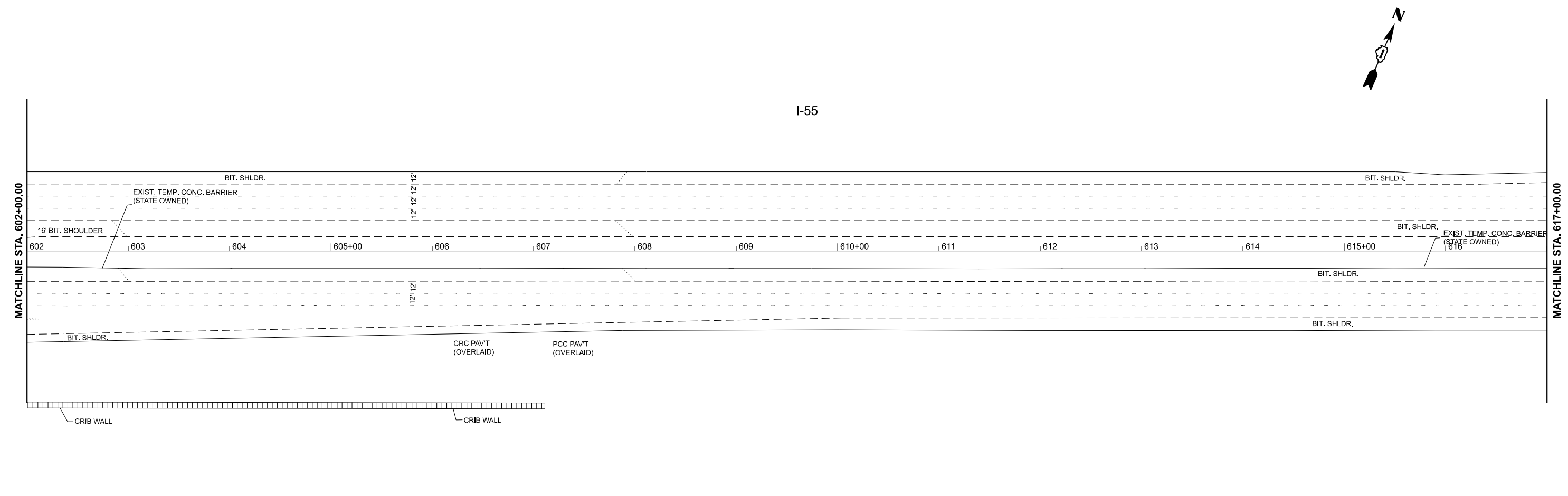
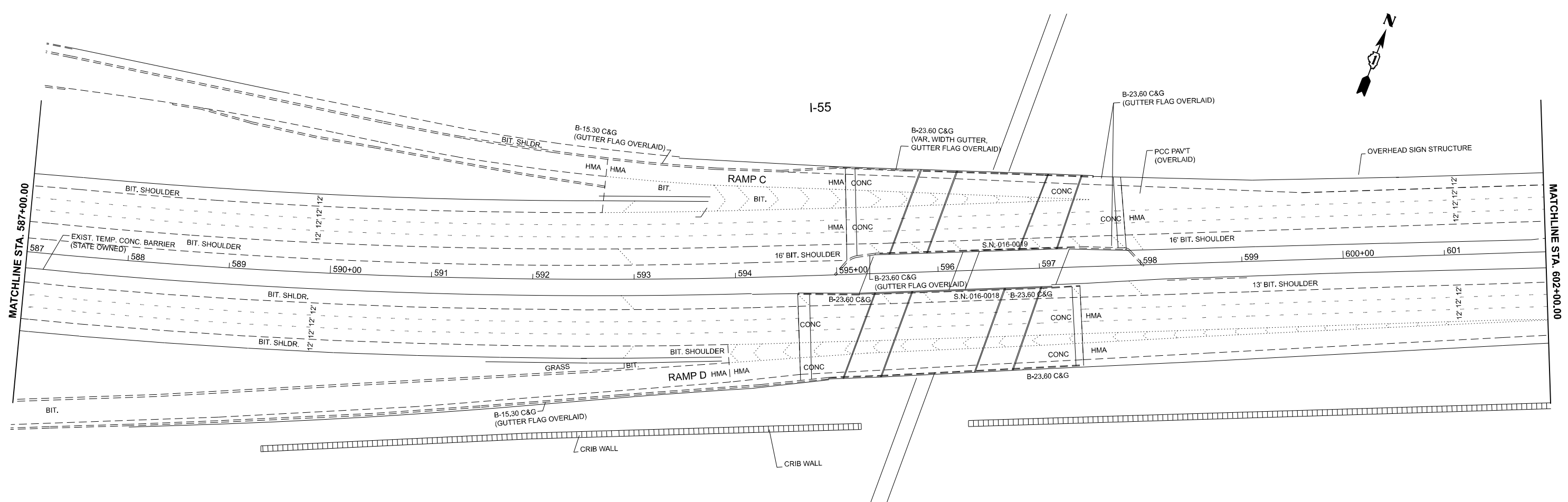
USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY pLAN
I-55 (VARIOUS LOCATIONS)

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 557+00.00 TO STA. 587+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	22
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



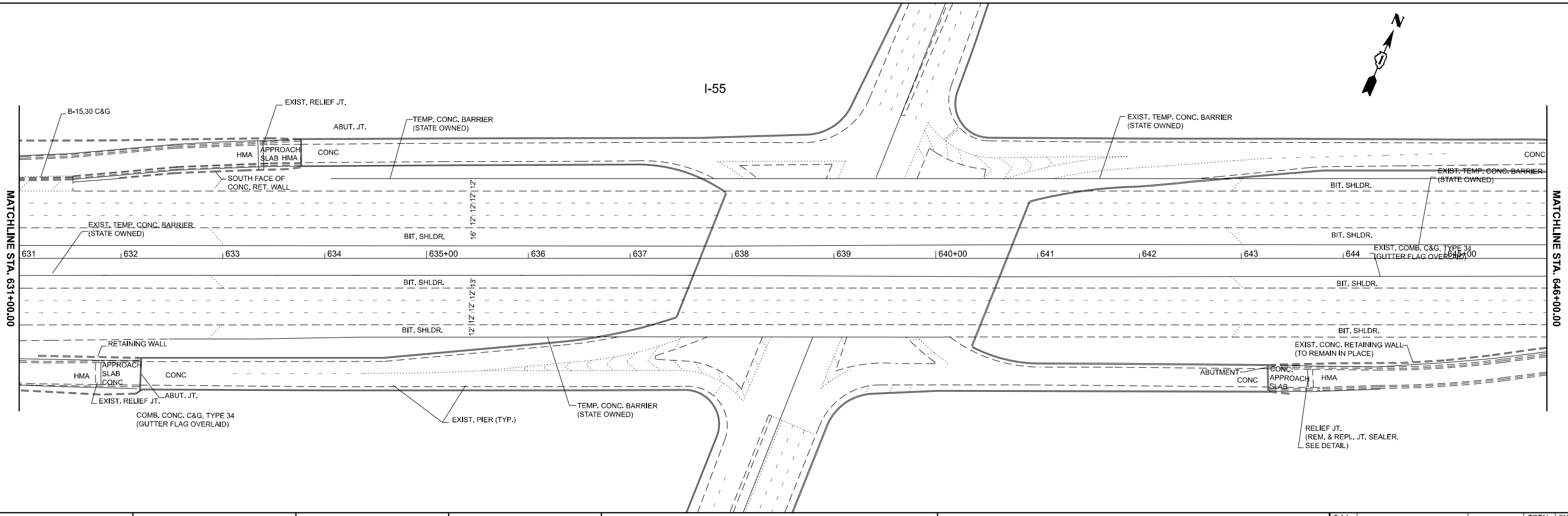
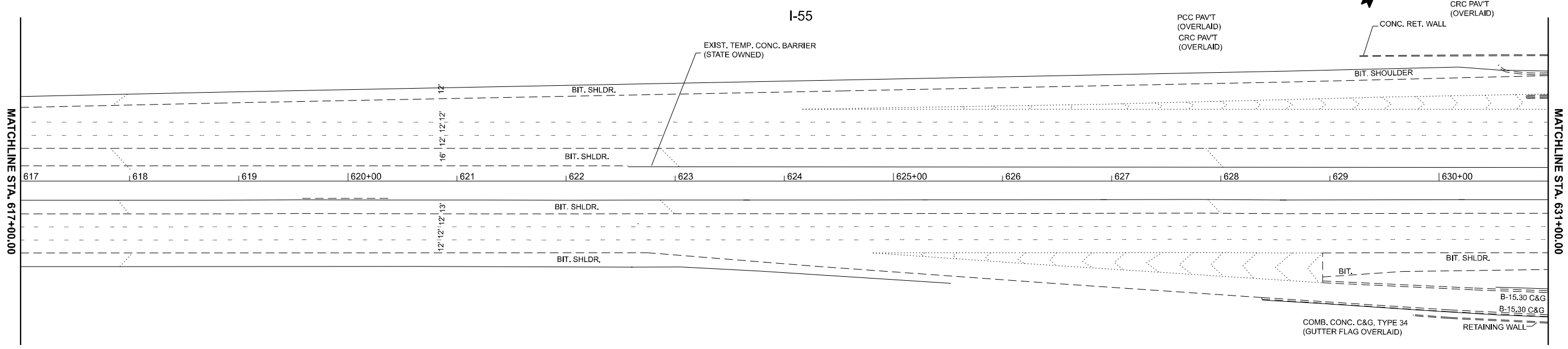
MODEL: I55 Double Plan - D:\Plan29 (Sheet)
 FILE NAME: c:\p\work\i55\i55a\i55a\0922982\I5523-shr-plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN I-55 (VARIOUS LOCATIONS)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		55	2023 VAR CONCRETE PATCH	COOK	41	23
SCALE: 1"=50'		SHEET OF 20 SHEETS		STA. 587+00.00 TO STA. 617+00.00		

CONTRACT NO. 62V20		ILLINOIS FED. AID PROJECT	
--------------------	--	---------------------------	--



MODEL: I55 Double Plan - D:\Plan\31 [Sheet]
FILE NAME: c:\ppl\work\2023\820\115823-shr-1plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISER -
	DRAWN -	REVISER -
PLOT SCALE = $\frac{1}{8}$ " = 1'	CHECKED -	REVISER -
PLOT DATE = 3/21/2024	DATE -	REVISER -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

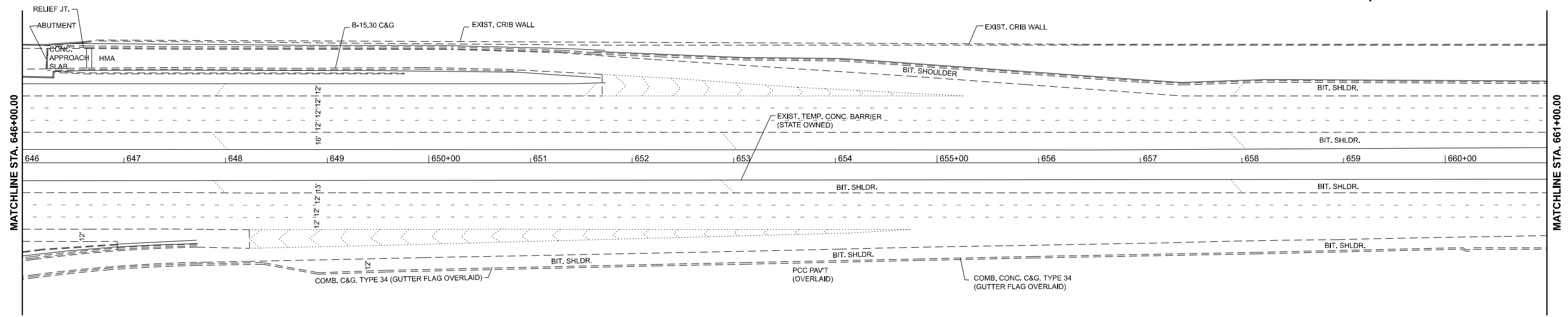
ROADWAY PLAN I-55 (VARIOUS LOCATIONS)			
SCALE: 1"=50'	SHEET	OF 20 SHEETS	STA. 617+00.00 TO STA. 646+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	24

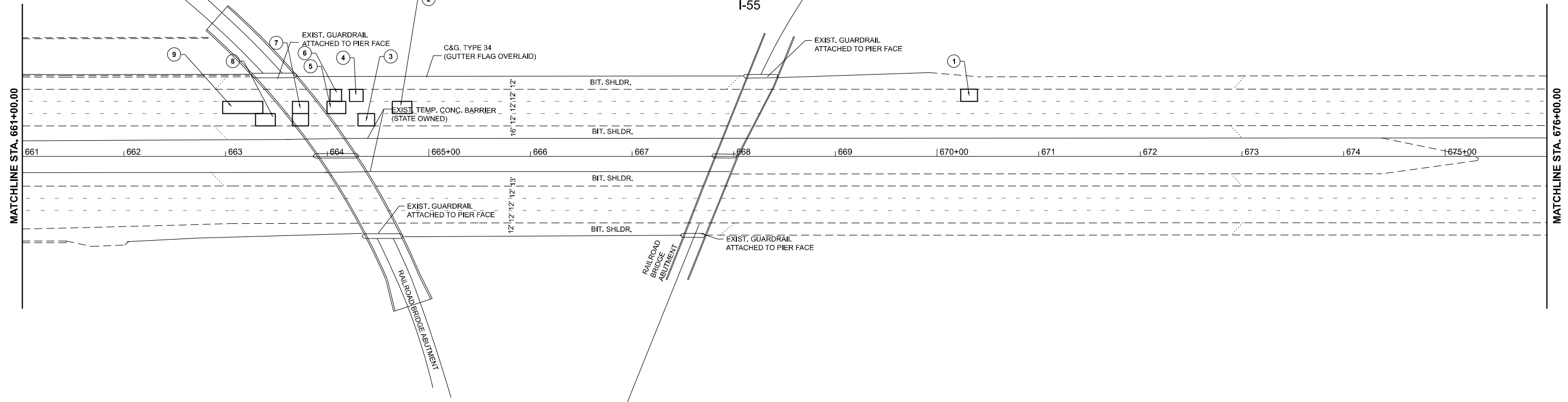
CONTRACT NO. 62V20
ILLINOIS FED. AID PROJECT



I-55



I-55



MODEL: I55 Double Plan - D:\Plan33 (Sheet)
 FILE NAME: c:\p\work\i55\i55a\0922982\I15823-shr-plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 I-55 (VARIOUS LOCATIONS)**

SCALE: 1"=50' SHEET OF 20 SHEETS STA. 646+00.00 TO STA. 676+00.00

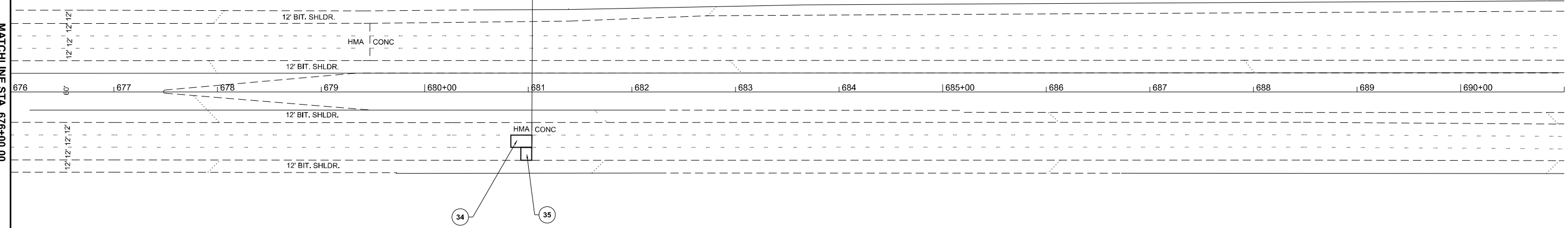
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	25
CONTRACT NO. 62V20				
ILLINOIS FED. AID PROJECT				



I-55

LOCATION 2:
ENDS:
STATION 681+05

MATCHLINE STA. 676+00.00



MODEL: I55 Double Plan - D:\Plan35 (Sheet)
FILE NAME: c:\p\work\i55\i55a\i55a\0922982\I15823-shr-plan.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/21/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN I-55 (VARIOUS LOCATIONS)			
SCALE: 1"=50'	SHEET	OF 20 SHEETS	STA. 676+00.00 TO STA. 691+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	26
			CONTRACT NO. 62V20	
		ILLINOIS	FED. AID PROJECT	

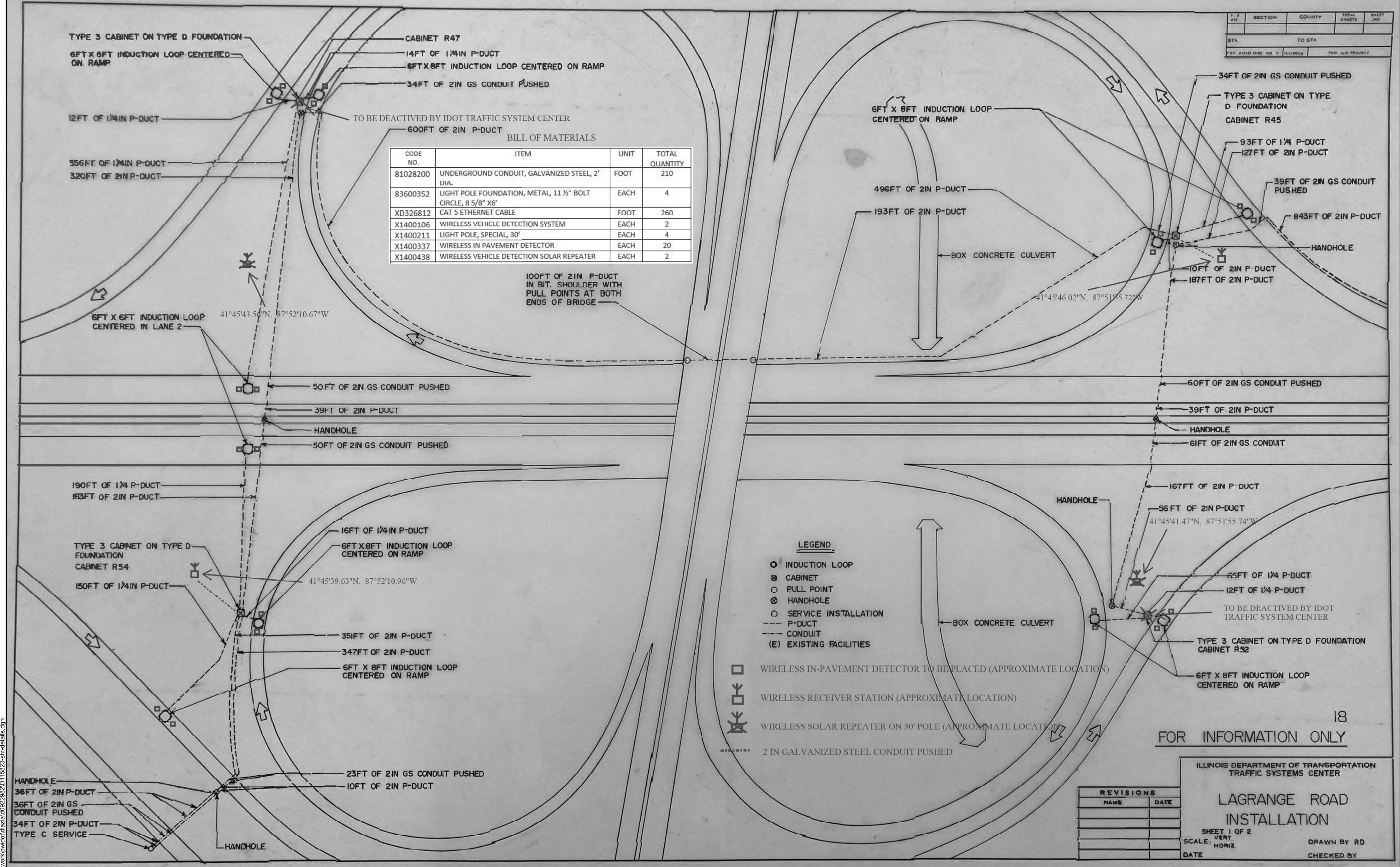
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	27

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

TO BE DEACTIVATED BY IDOT TRAFFIC SYSTEM CENTER

BILL OF MATERIALS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2' DIA.	FOOT	210
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	4
XD326812	CAT 5 ETHERNET CABLE	FOOT	260
X1400106	WIRELESS VEHICLE DETECTION SYSTEM	EACH	2
X1400211	LIGHT POLE, SPECIAL, 30'	EACH	4
X1400337	WIRELESS IN PAVEMENT DETECTOR	EACH	20
X1400438	WIRELESS VEHICLE DETECTION SOLAR REPEATER	EACH	2



MODEL: Details02 (Sheet)
FILE NAME: c:\pwworking\tdiaz\115823-shr-details.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/21/2024	CHECKED -	REVISED -
	DATE -	REVISED -

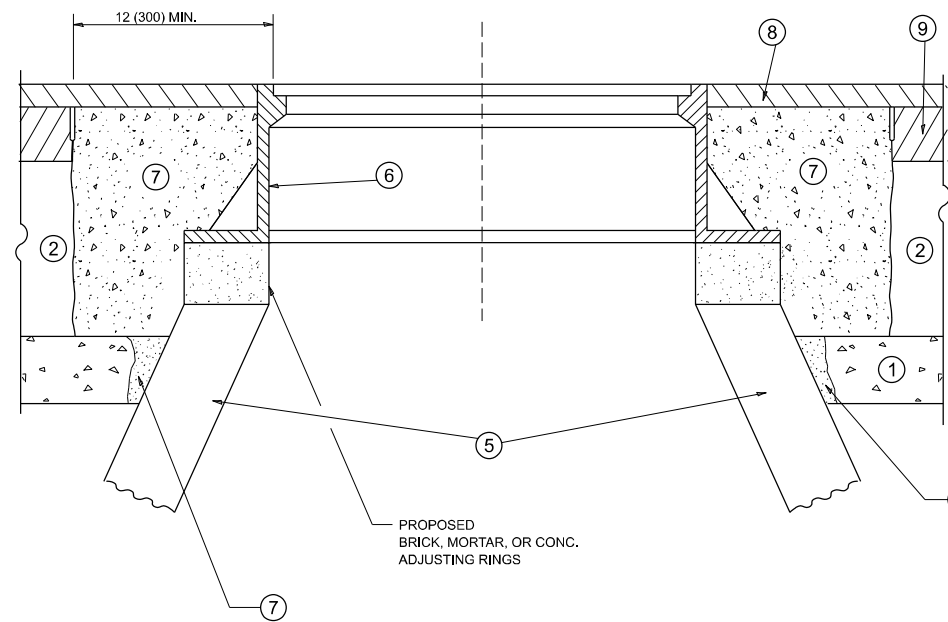
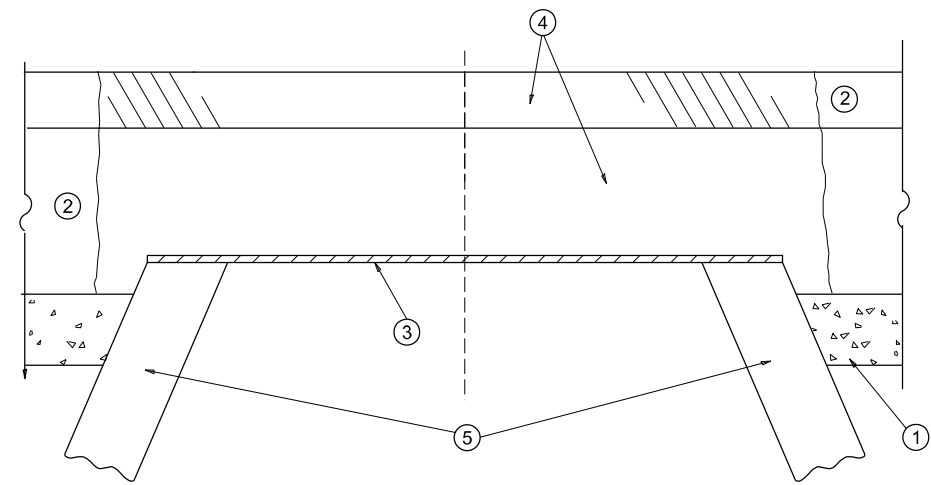
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**RAMP DETECTION PLAN
I-55 AT US 12/20/45 (LAGRANGE RD.)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	27

CONTRACT NO. 62V20
ILLINOIS FED. AID PROJECT



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: BD-08 Updated (Sheet)
FILE NAME: c:\p\work\bd08\bd08.dwg

USER NAME = Ivan.diaz	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED - R. BORO 12-06-11
PLOT DATE = 3/21/2024	CHECKED -	REVISED - K. SMITH 11-18-22
	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

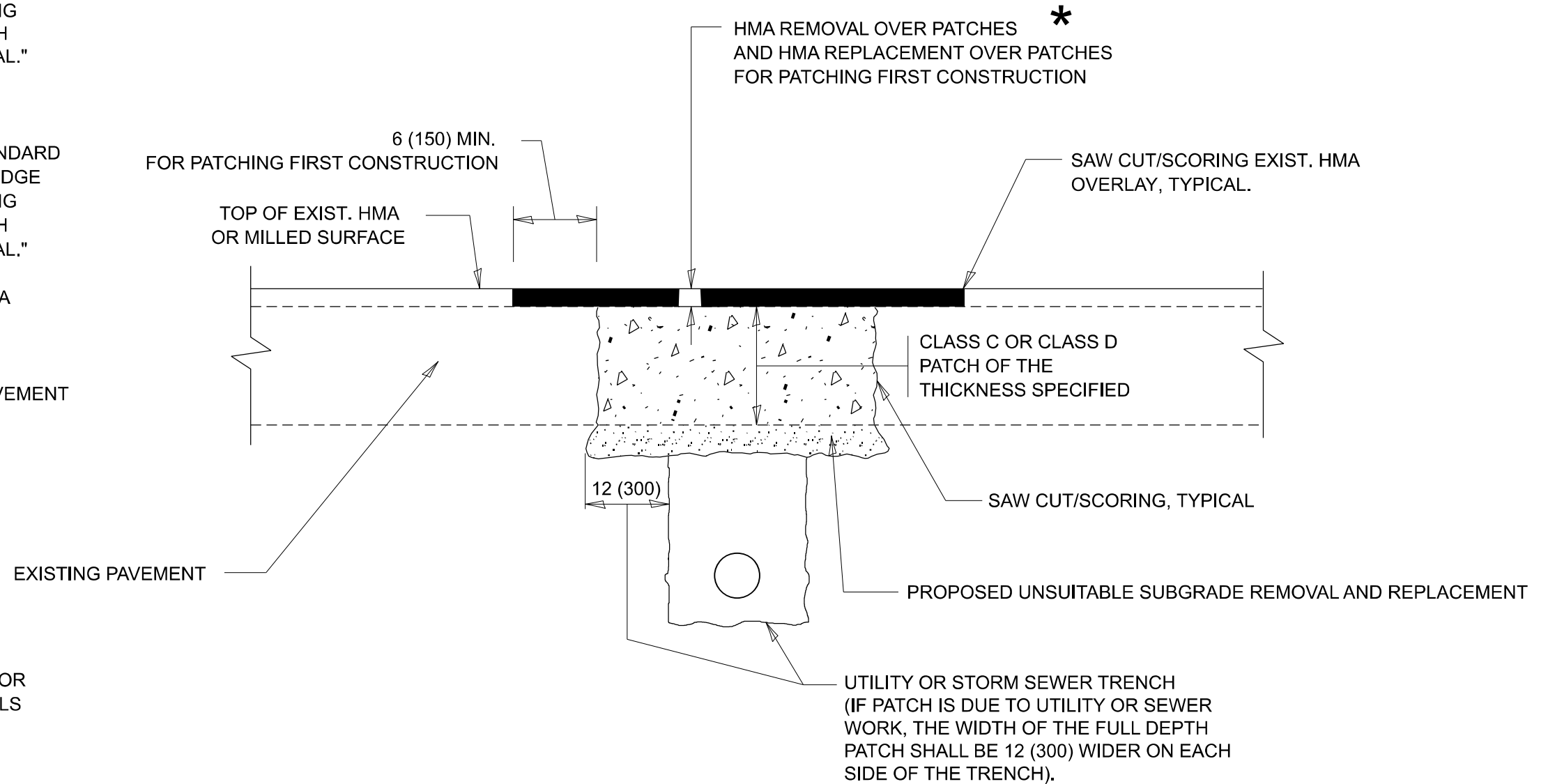
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	28
BD600-03 (BD-08)			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: BD-22 Updated [Sheet] FILE NAME: c:\p\work\bd4004\bd4004.dwg

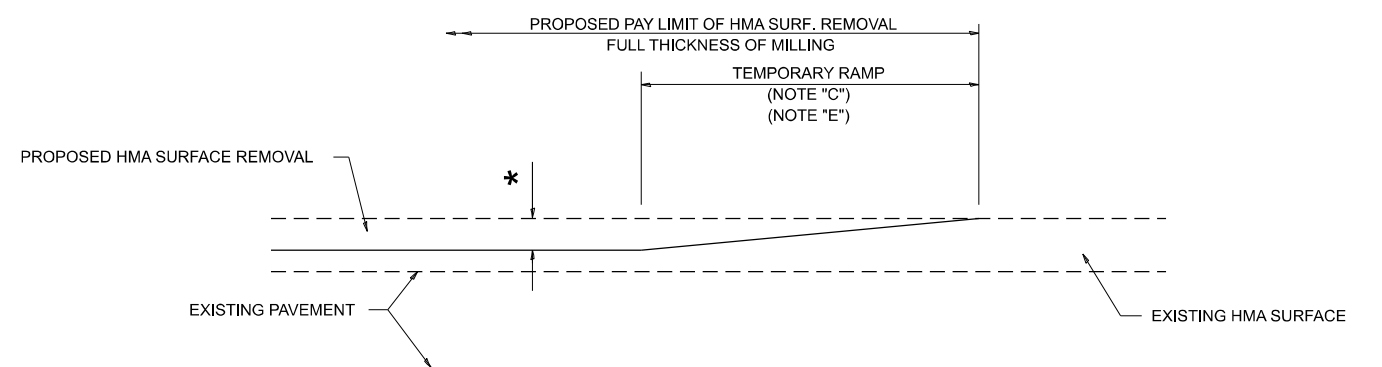
USER NAME = ivan.diaz	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/21/2024	DATE - 10-25-94	REVISED - K. ENG 10-27-08
		REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

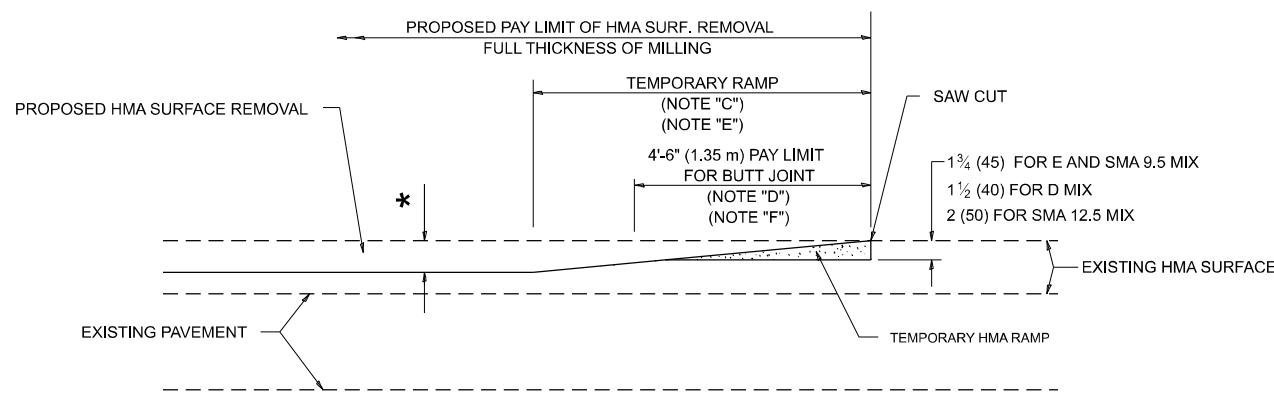
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	29
BD400-04 (BD-22)			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

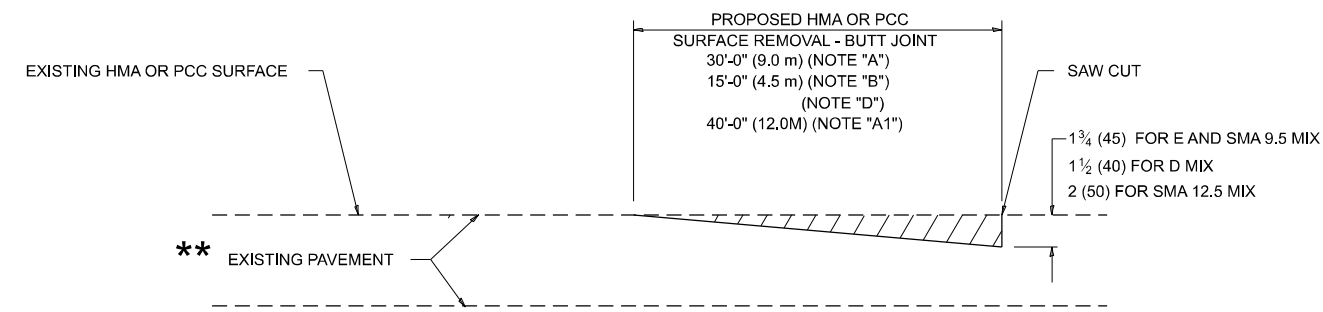


HMA CONSTRUCTED TEMPORARY RAMP

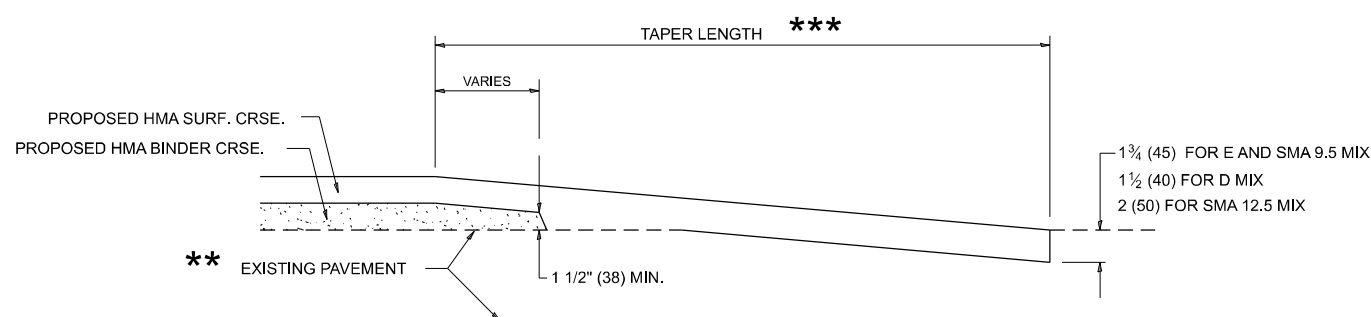
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

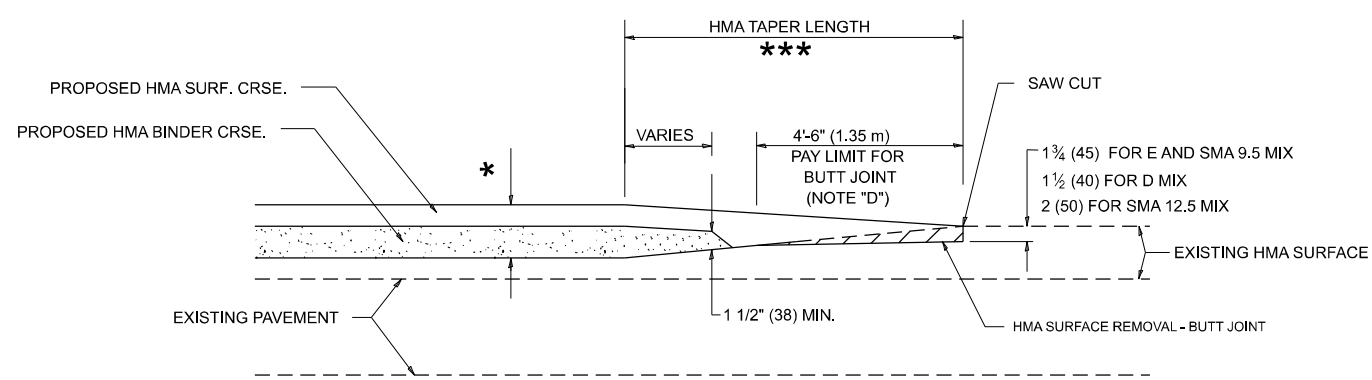
** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

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

BASIS OF PAYMENT

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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

MODEL: BD-32 (Sheet)
FILE NAME: c:\paw\work\paw\td\diaza\0922982\0115823-shr-Dtbl\Std.s.dgn

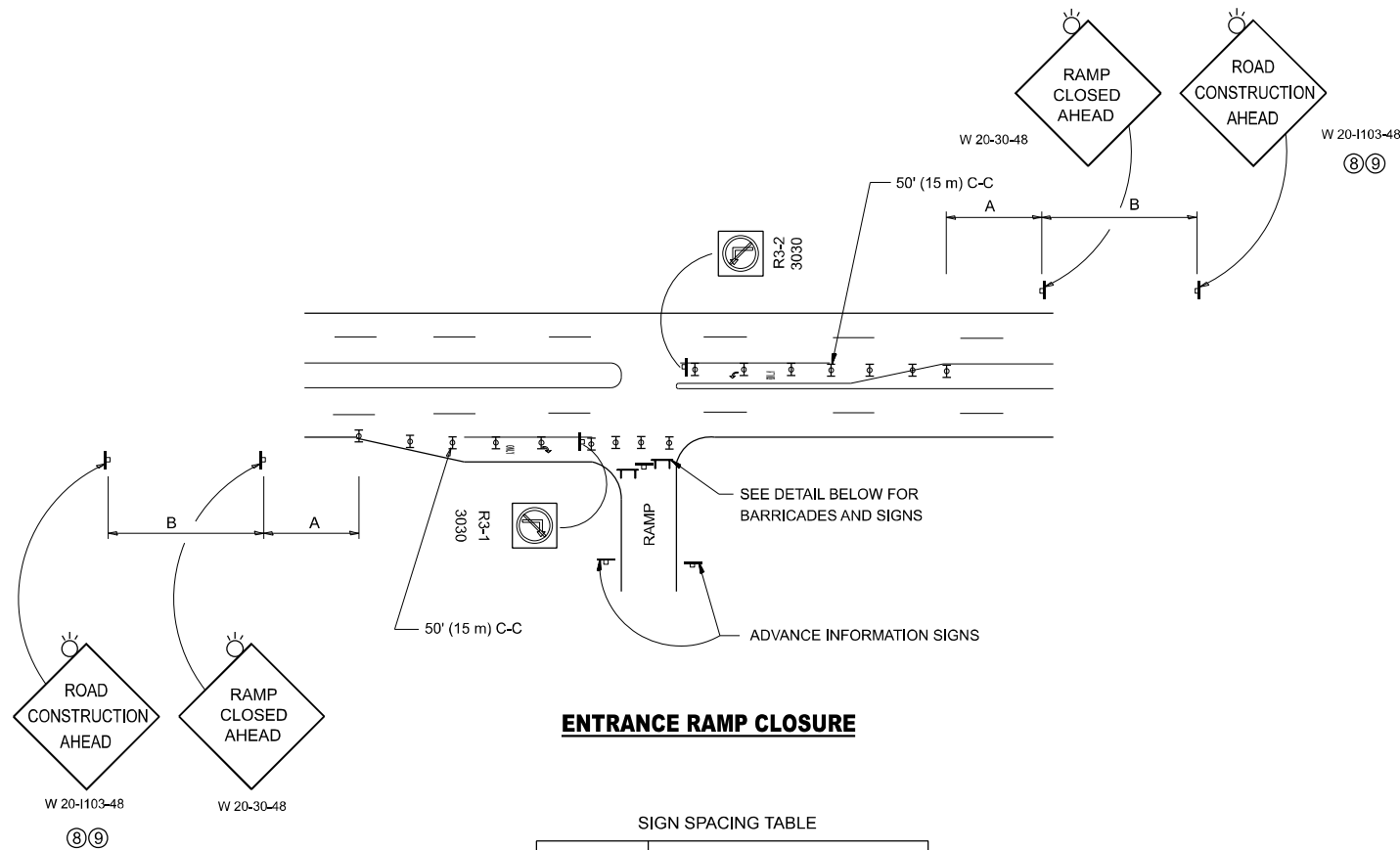
USER NAME = ivan.diaz	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/21/2024	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS

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

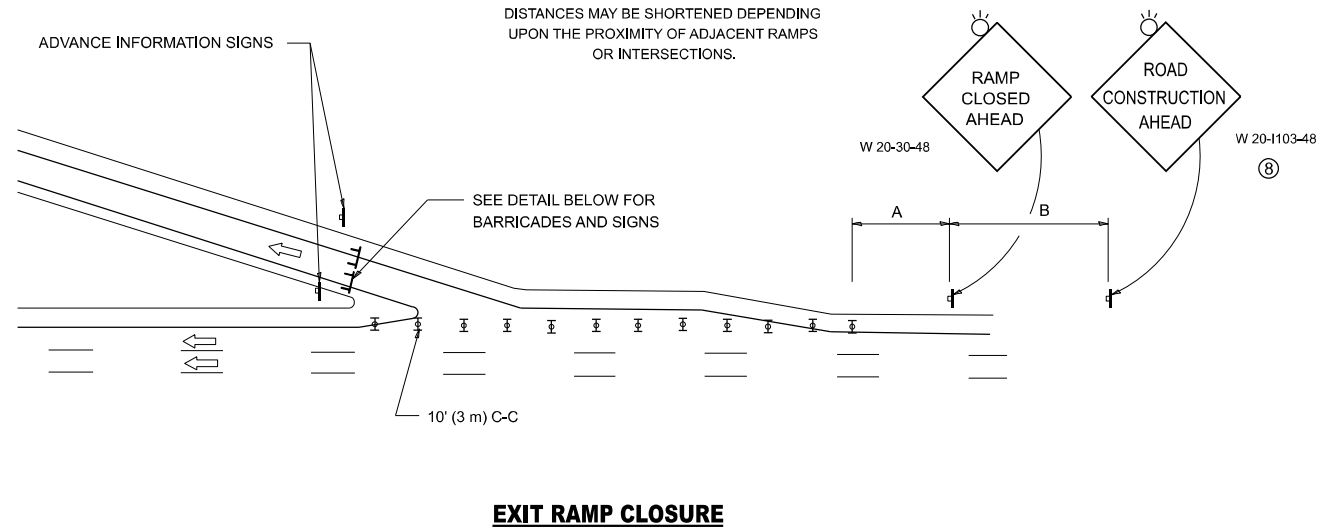
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	30
BD400-05 BD-32		CONTRACT NO. 62V20		
ILLINOIS FED. AID PROJECT				



SIGN SPACING TABLE

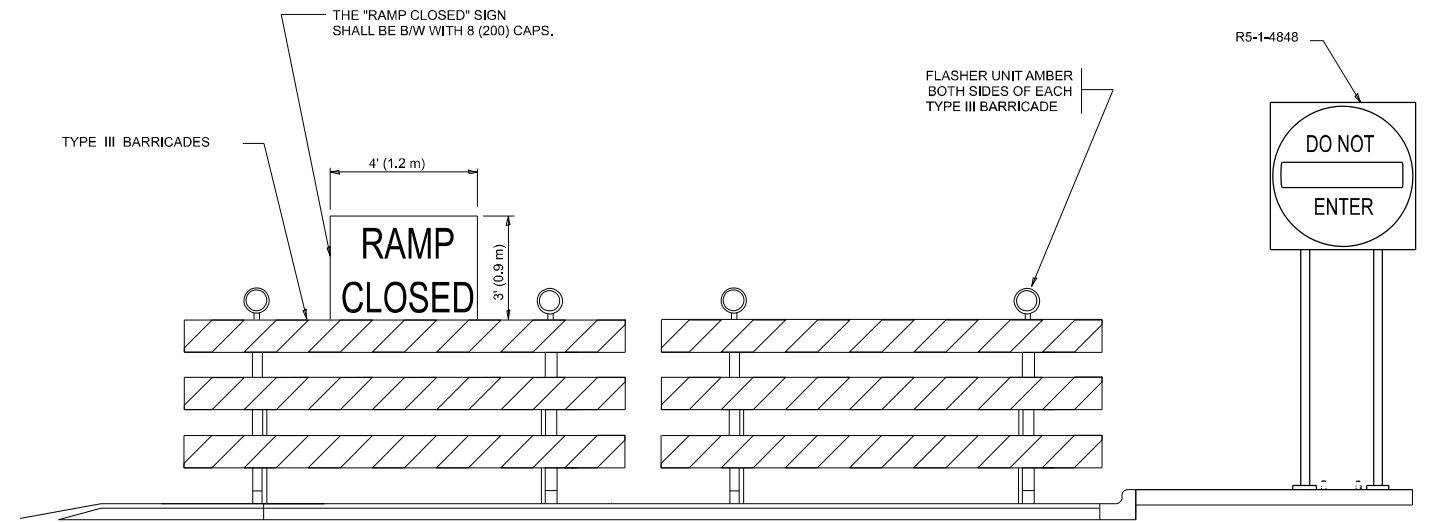
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

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

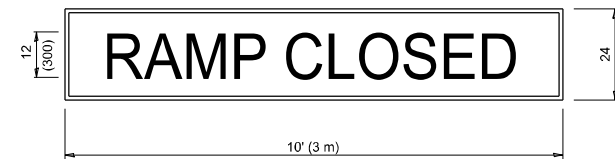


SYMBOLS

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



RAMP CLOSURE ADVANCE WARNING SIGN



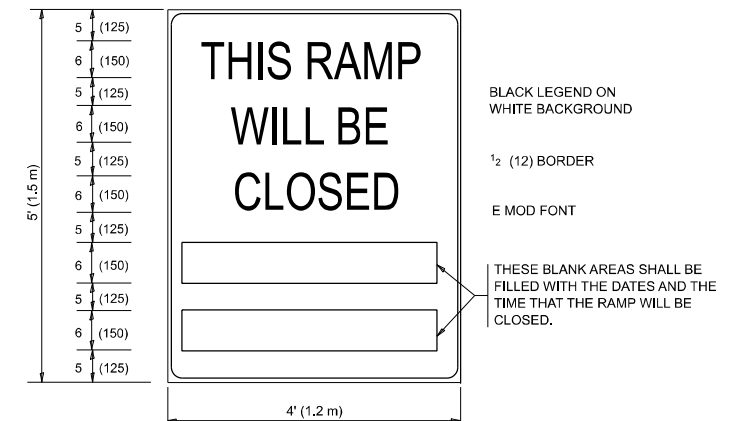
BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

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

RAMP CLOSURE ADVANCE INFORMATION SIGN



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.

MODEL: TC-08 (Sheet)
FILE NAME: c:\p\work\vw\ford\diaz\0922982\0115823-shr-Dtbl\Std.dgn

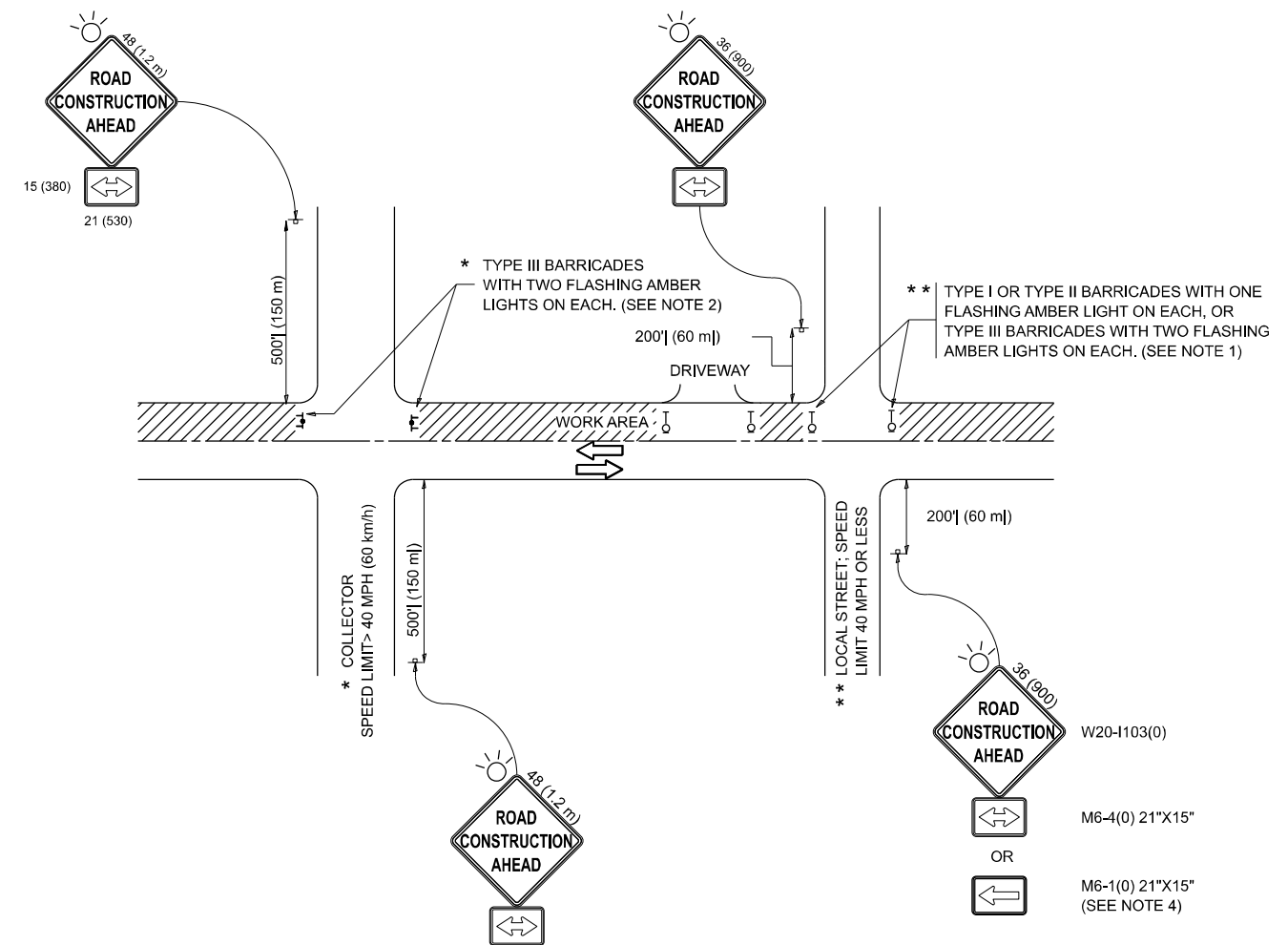
USER NAME = ivan.diaz	DESIGNED - D.W.S.	REVISED - S.P.B._01-07
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED - S.P.B._12-09
PLOT DATE = 3/21/2024	CHECKED -	REVISED - M.D._06-13
	DATE - 02-83	REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	31
TC-08			CONTRACT NO. 62V20	
ILLINOIS		FED. AID PROJECT		



NOTES:

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

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

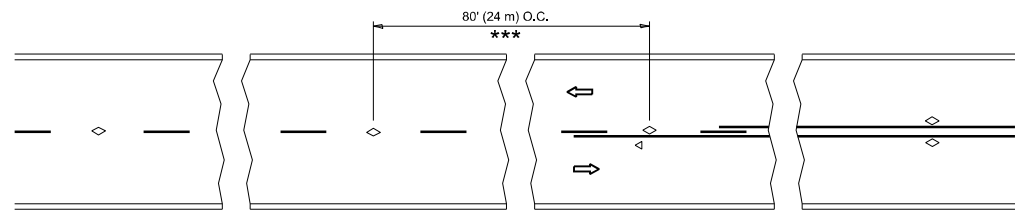
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	33
TC-10			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				

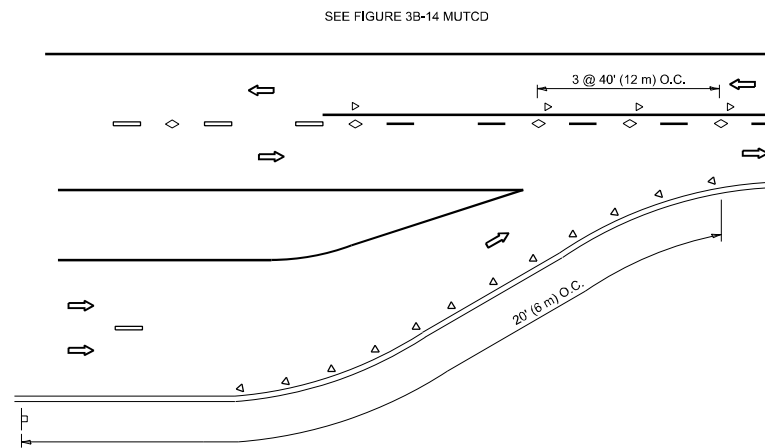
MODEL: TC-10 (Sheet)
FILE NAME: c:\p\work\pww\tdiazia\0922982\0115823-shr-Dts\Sides.dgn

USER NAME = ivan.diaz	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/21/2024	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

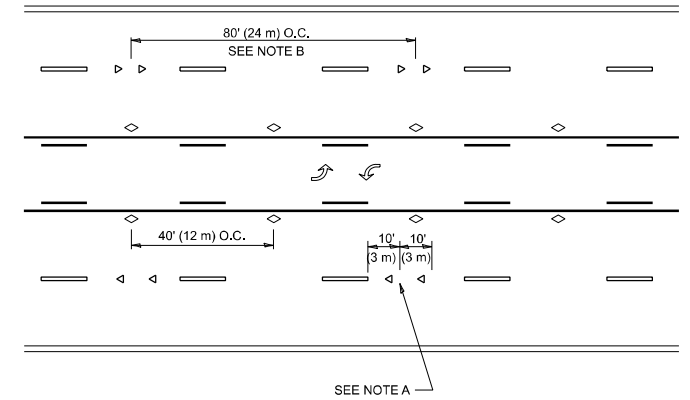


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

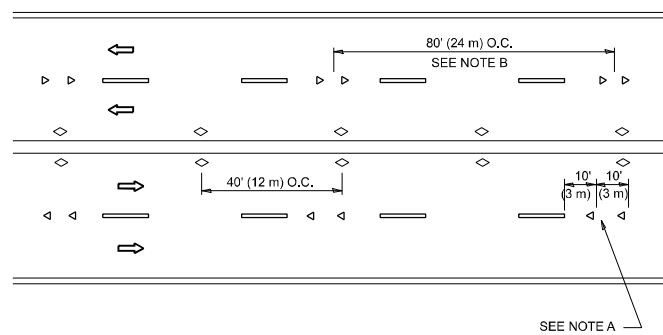
TWO-LANE/TWO-WAY



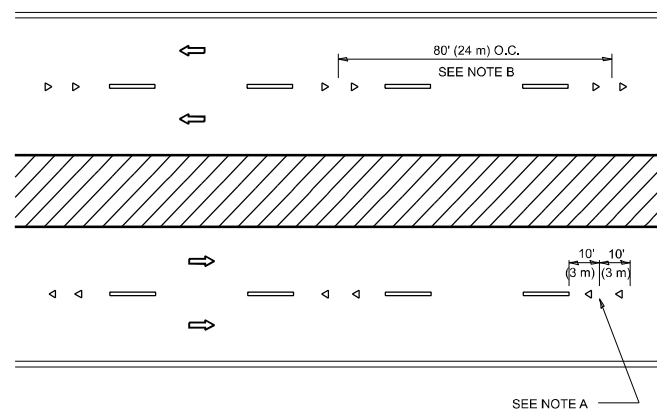
LANE REDUCTION TRANSITION



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

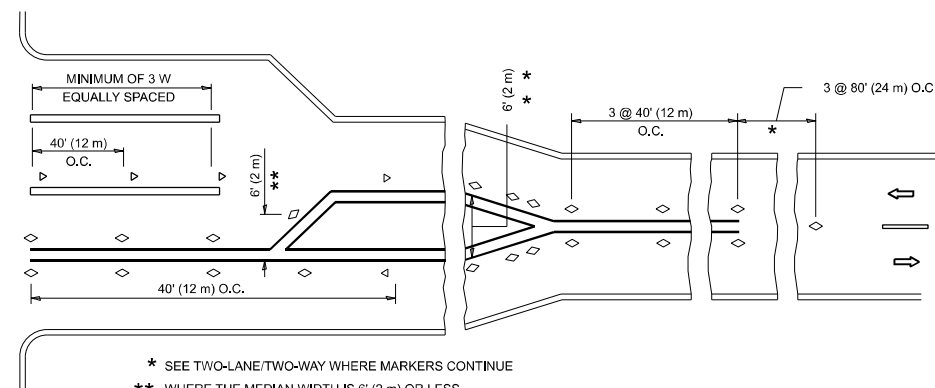
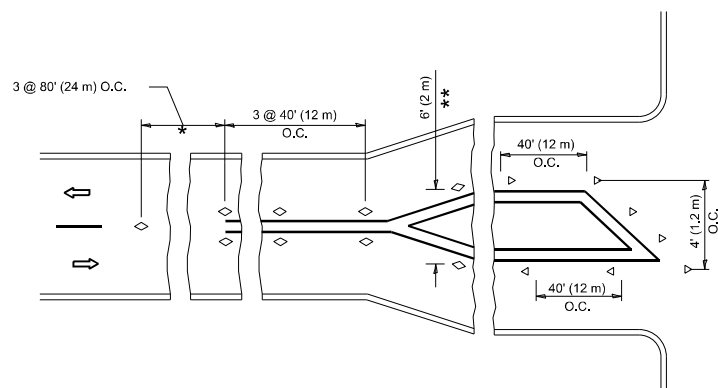
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

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.

MODEL: TC-11 (Sheet)
FILE NAME: c:\p\work\pav\illinois\0922982\0115823-shr-Dhs\Std.dgn

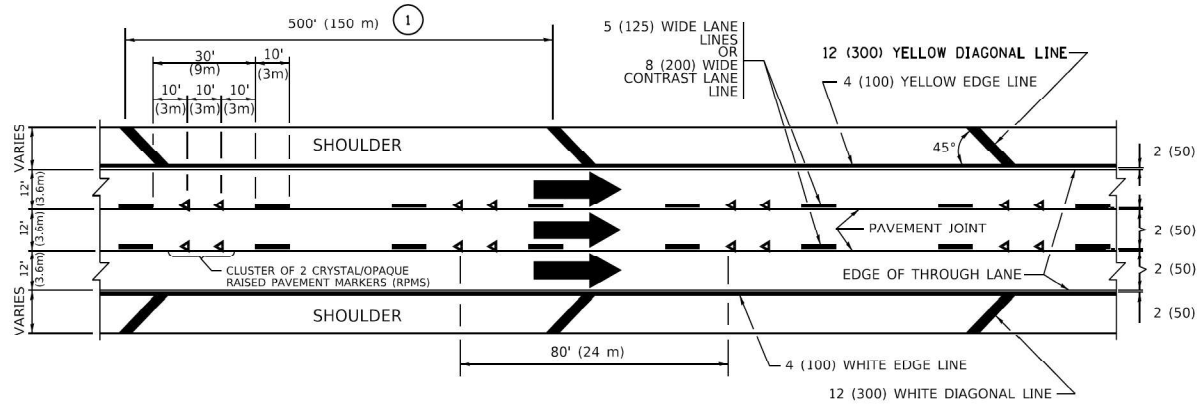
USER NAME = ivan.diaz	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/21/2024	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

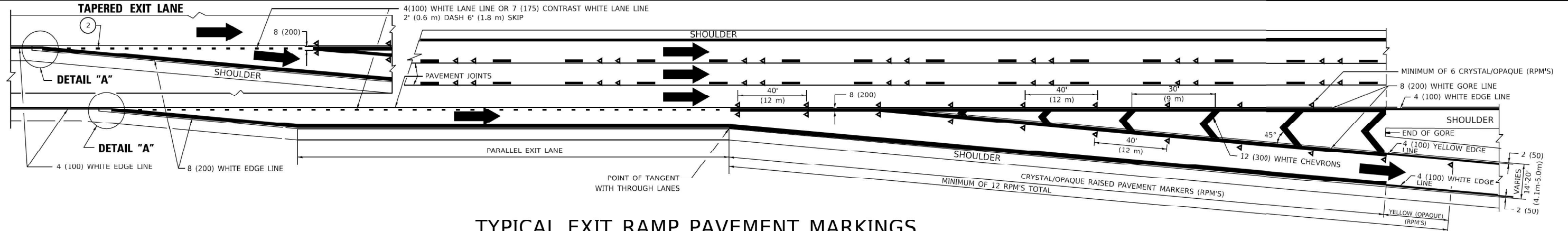
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	34
TC-11		CONTRACT NO. 62V20		
ILLINOIS FED. AID PROJECT				



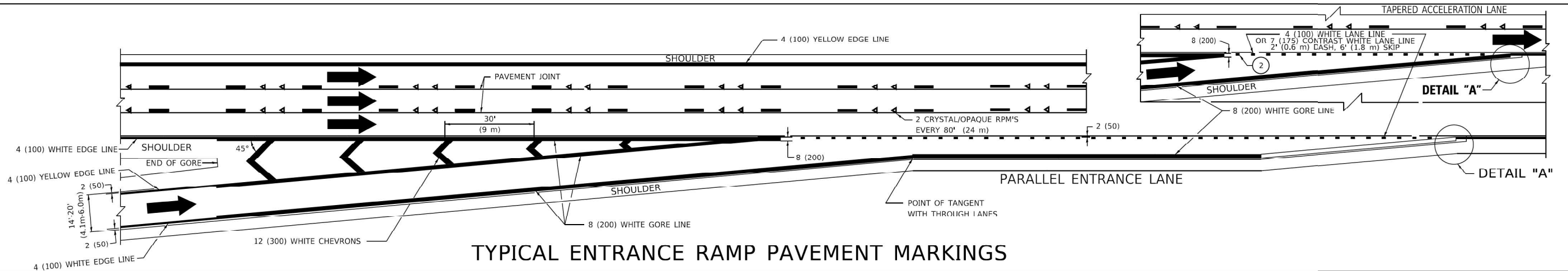
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

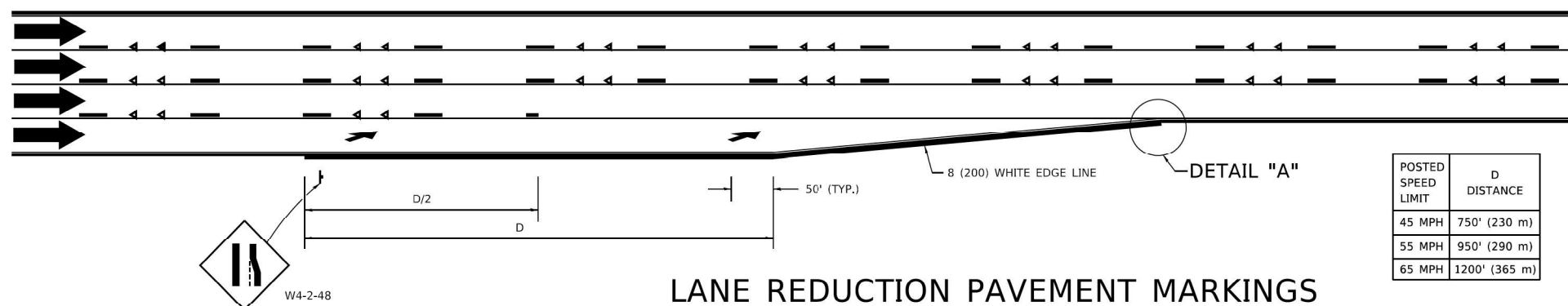
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, 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.



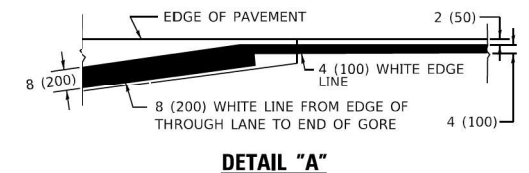
TYPICAL EXIT RAMP PAVEMENT MARKINGS



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.

MODEL: TC-12a Updated (Sheet)
FILE NAME: c:\paw\work\101012024\115823-shr-DJis-Stds.dgn

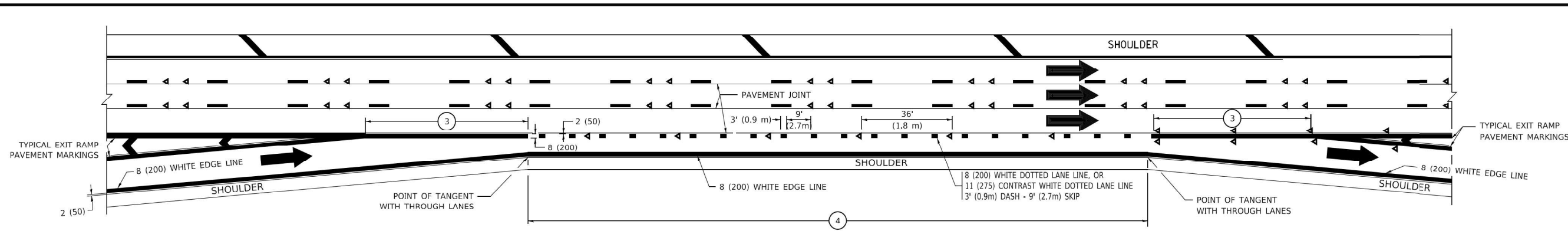
USER NAME = ivan.diaz	DESIGNED - D.W.S.	REVISED - S.P.B. 01-10
DRAWN	REVISOR - M.D. 05-13	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED - M.D. 09-17
PLOT DATE = 3/21/2024	DATE - 01-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

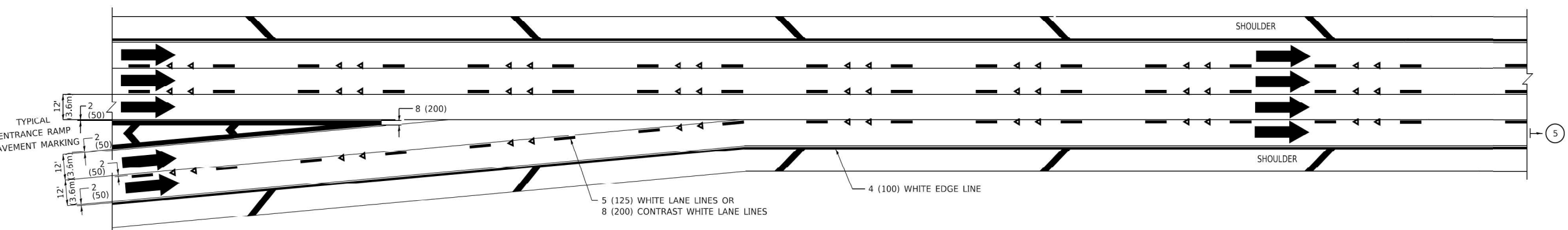
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

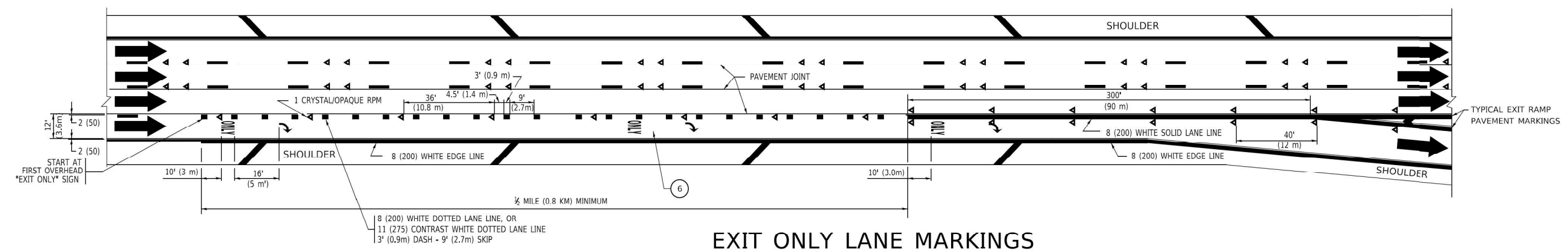
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	35
TC-12		CONTRACT NO. 62V20		
ILLINOIS FED. AID PROJECT				



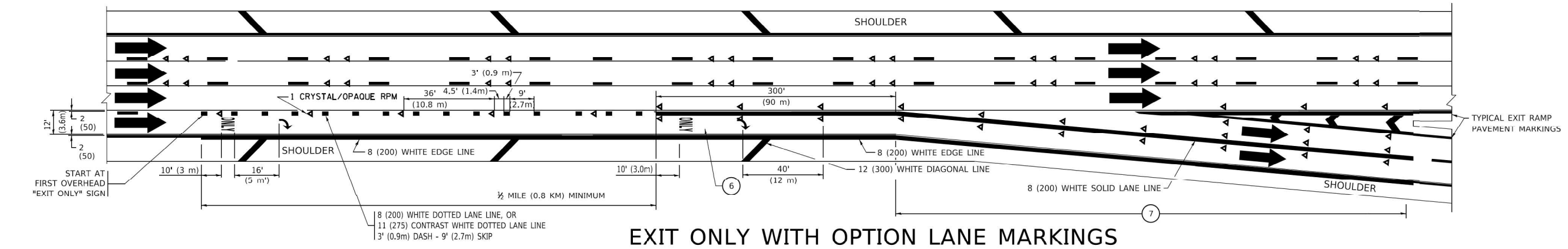
AUXILIARY LANE MARKINGS



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.

MODEL: TC-12b Updated (Sheet)
 FILE NAME: c:\paw\work\illinois\0922982\0115823-shr-DltsStds.dgn

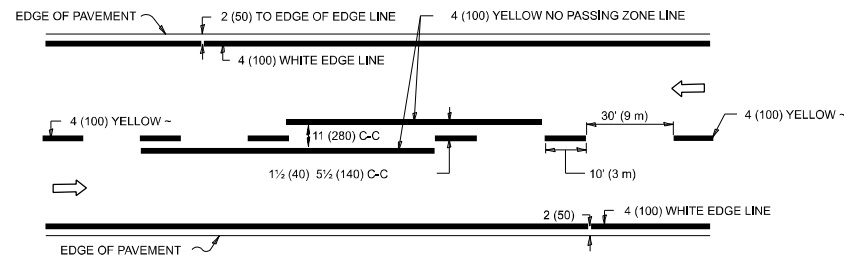
USER NAME = ivan.diaz	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
PLOT SCALE = SSCALE\$	CHECKED -	REVISED - S.P.B. 01-07
PLOT DATE = 3/21/2024	DATE - 01-90	REVISED - S.P.B. 01-10
		REVISED - M.D. 09-17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

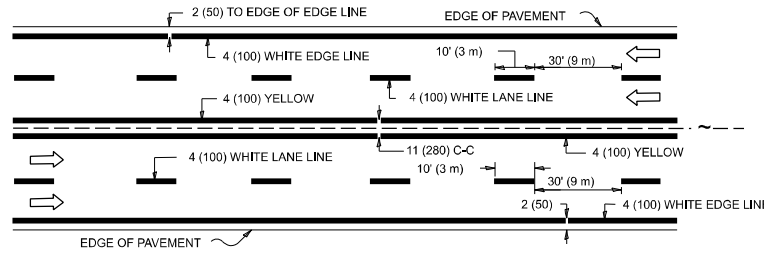
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

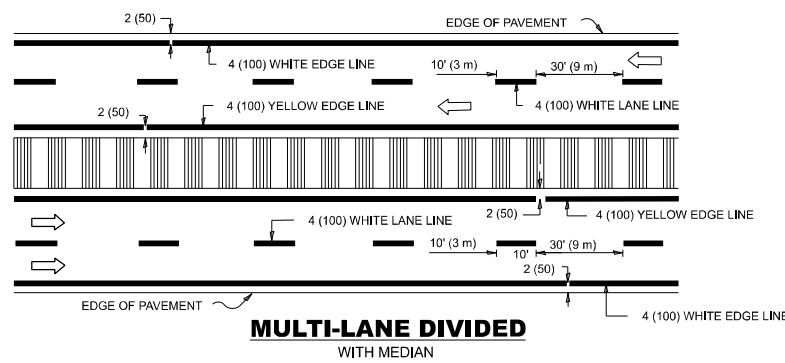
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	36
TC-12		CONTRACT NO. 62V20		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

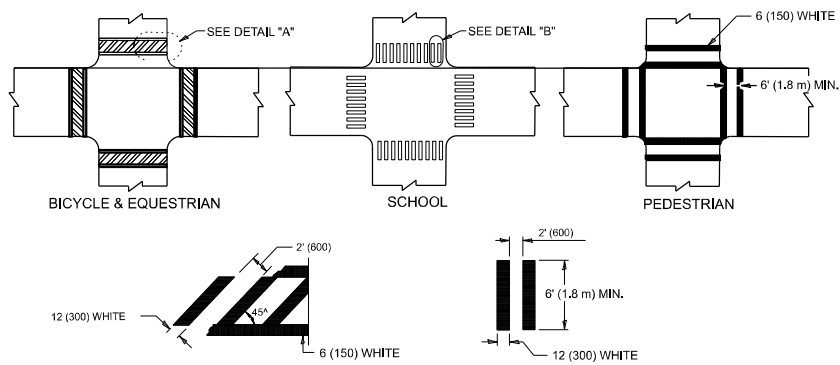


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

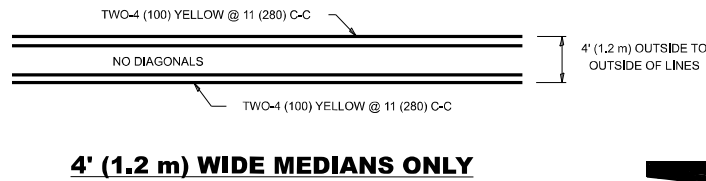


DETAIL "A"

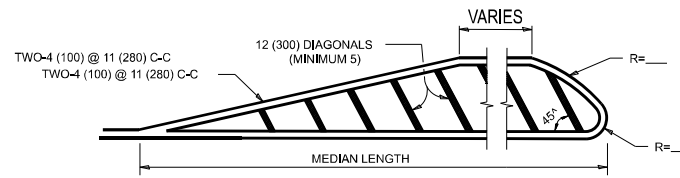
DETAIL "B"

TYPICAL CROSSWALK MARKING

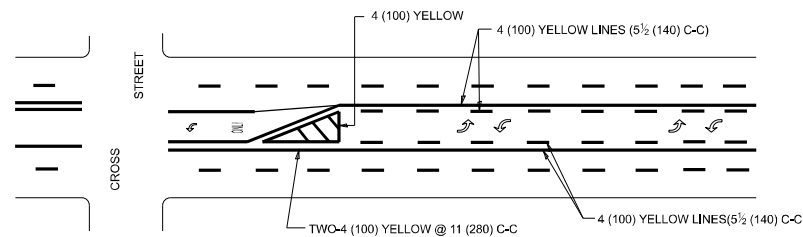
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



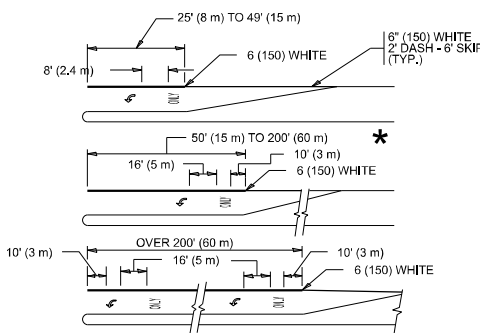
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



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

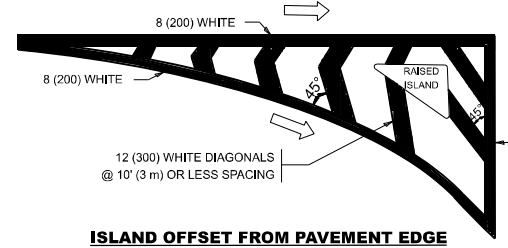


TYPICAL LEFT (OR RIGHT) TURN LANE

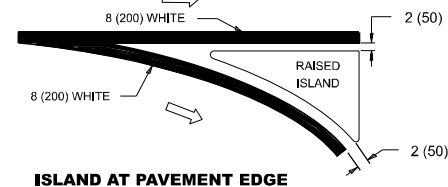
TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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".

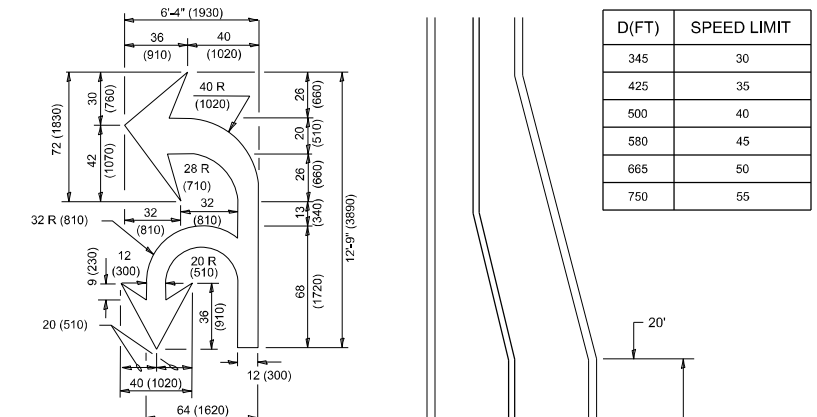


ISLAND OFFSET FROM PAVEMENT EDGE

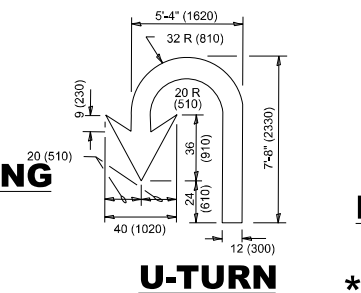


ISLAND AT PAVEMENT EDGE

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	5½ (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; 5½ (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" IS 6' (1.8 m) LETTERS: 15 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

MODEL: TC-13 (Sheet)
FILE NAME: c:\p\work\vw\ididiaz\0922982\115823-shr-Dist\Std.dgn

USER NAME = ivan.diaz	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = \$SCALES\$	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/21/2024	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	37
TC-13			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

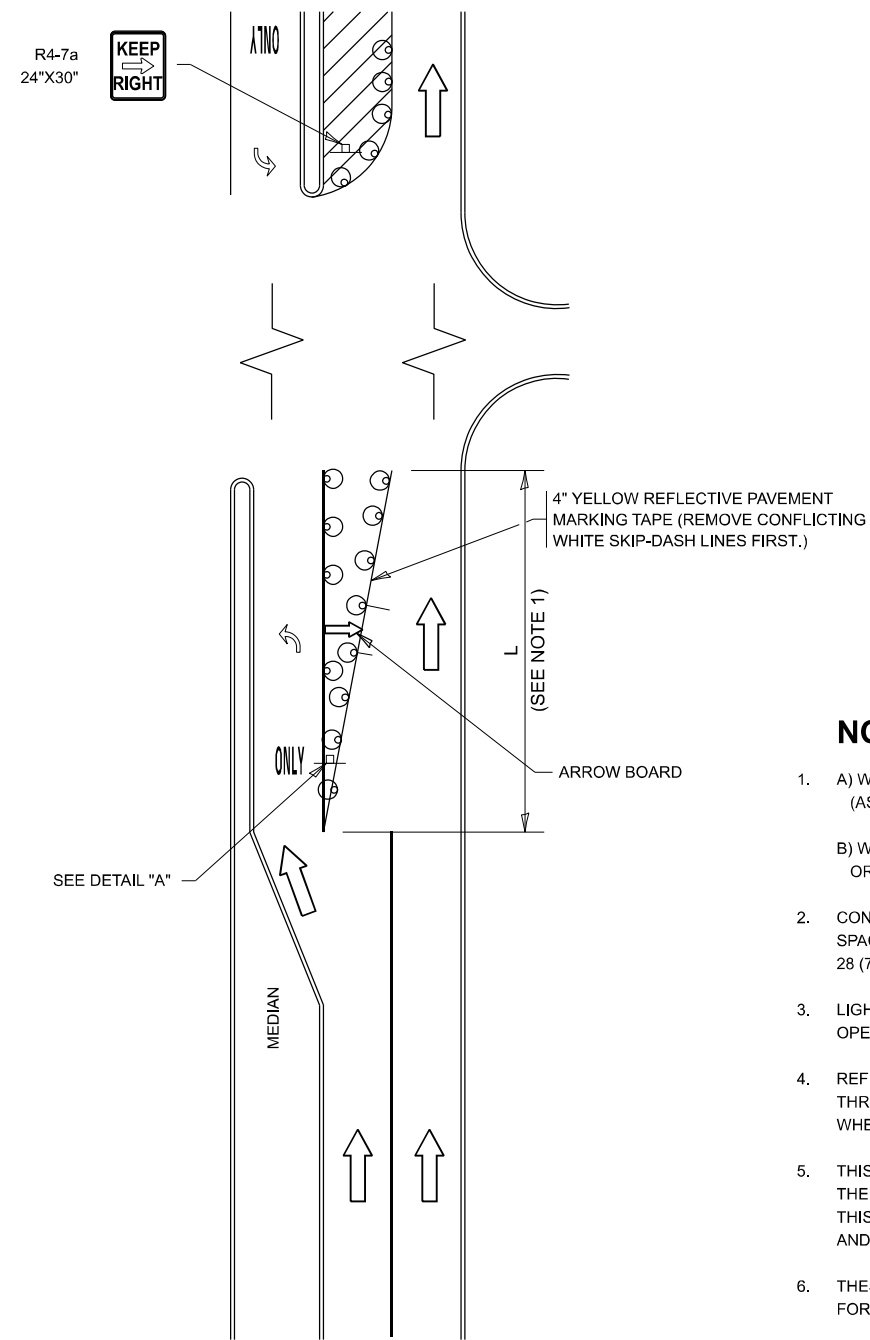


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

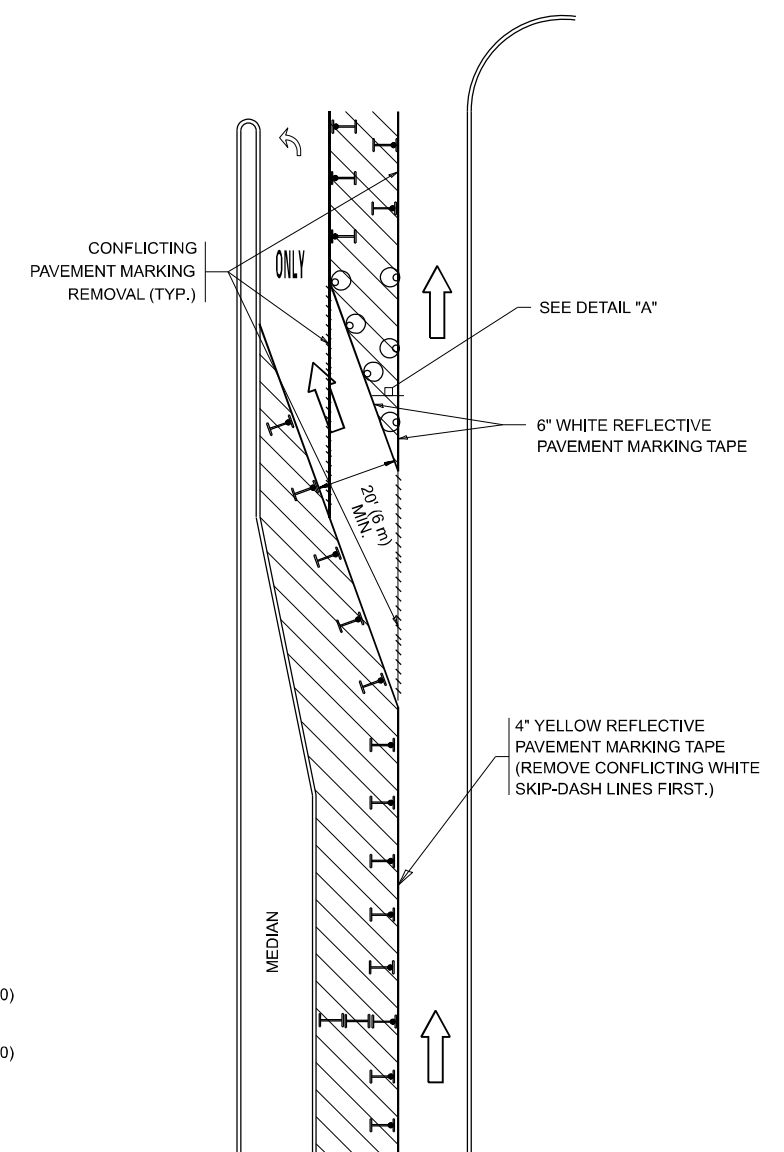


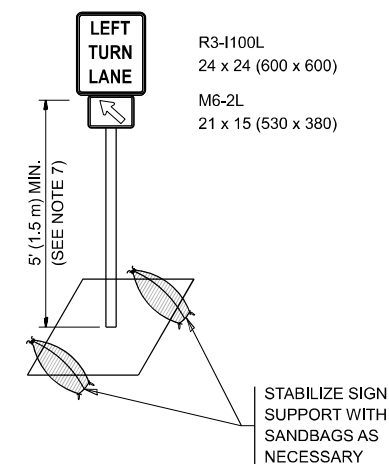
FIGURE 2

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.

MODEL: TC-14 (Sheet)
FILE NAME: c:\p\work\pww\tdiazia\0922982\0115823-shr-DtblStds.dgn

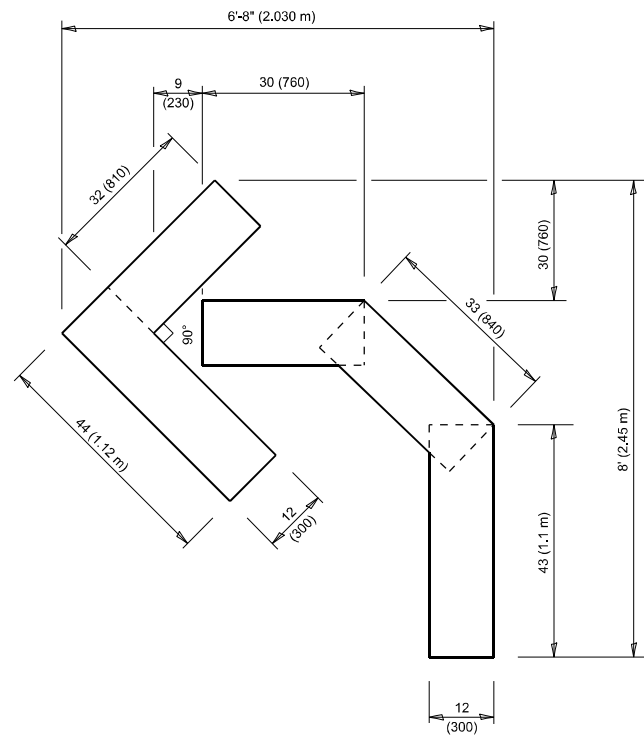
USER NAME = ivan.diaz	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = \$SCALES\$	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/21/2024	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

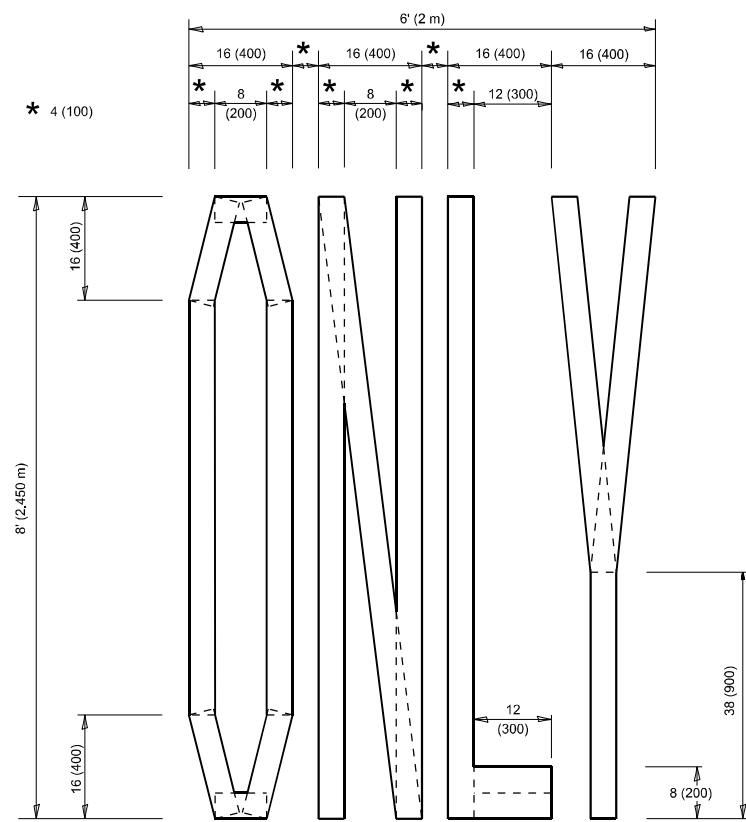
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

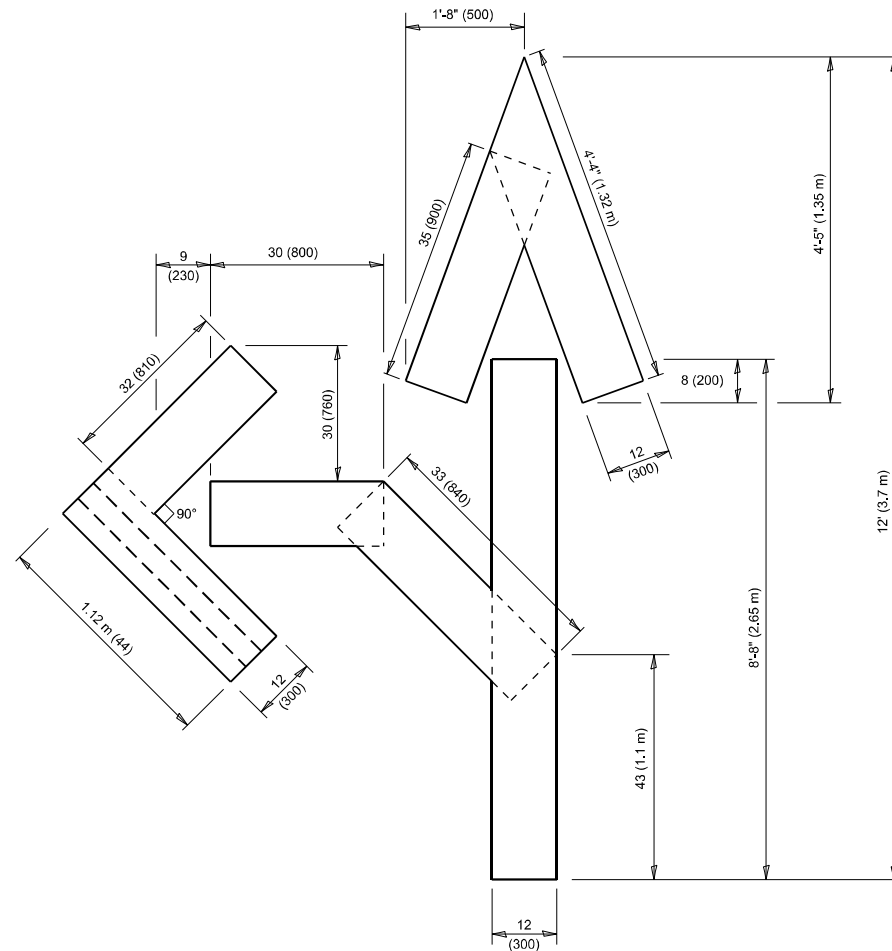
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	38
TC-14			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				



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

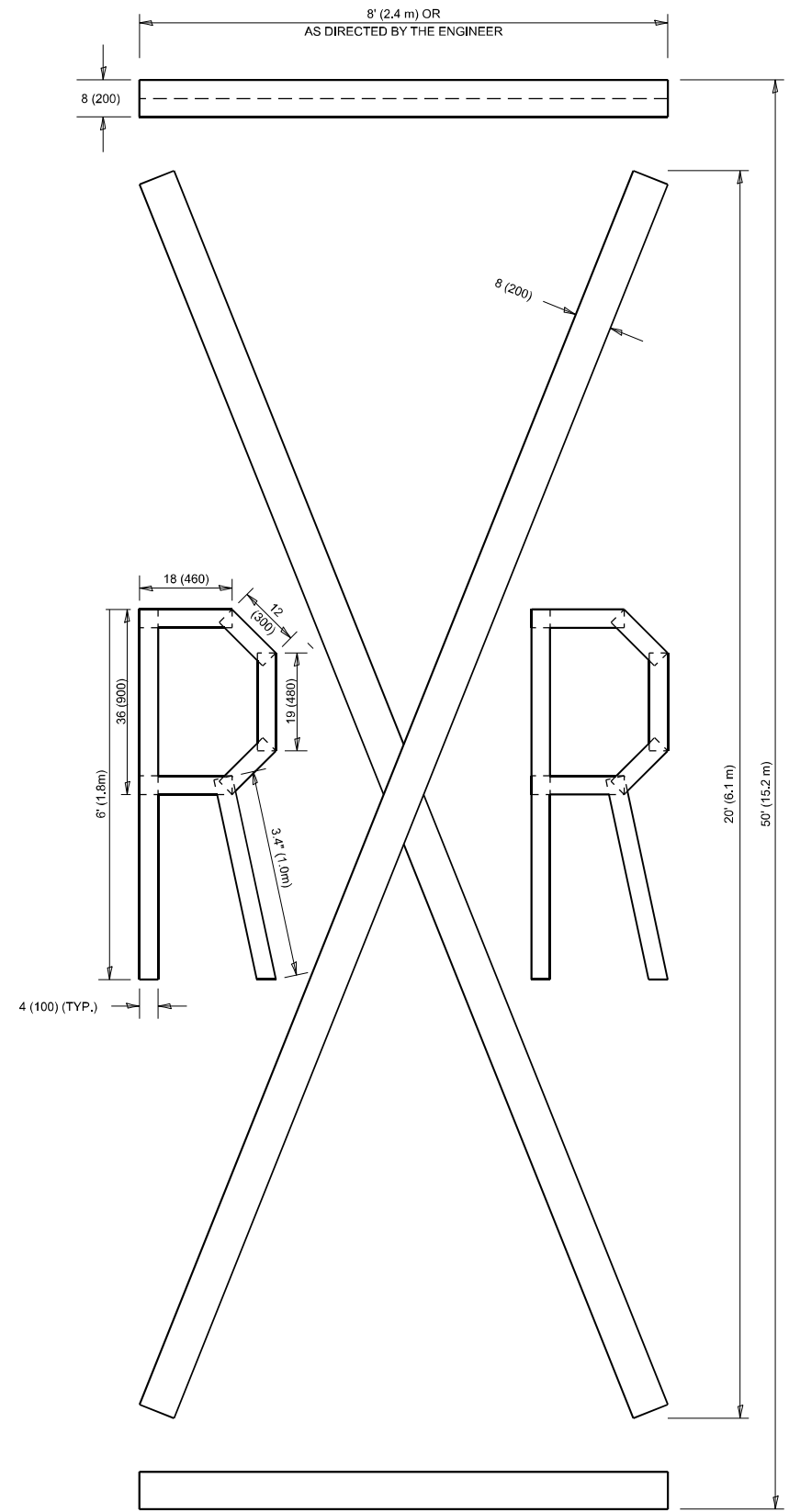


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

MODEL: TC-16 (Sheet)
 FILE NAME: c:\p\work\pav\illinois\0922982\115823-shr-DtblSides.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = \$SCALES\$	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/21/2024	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

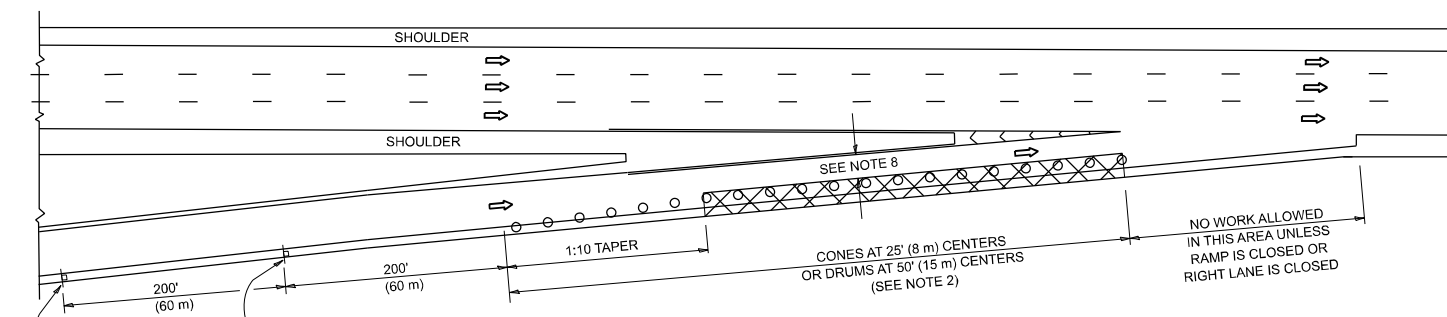
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

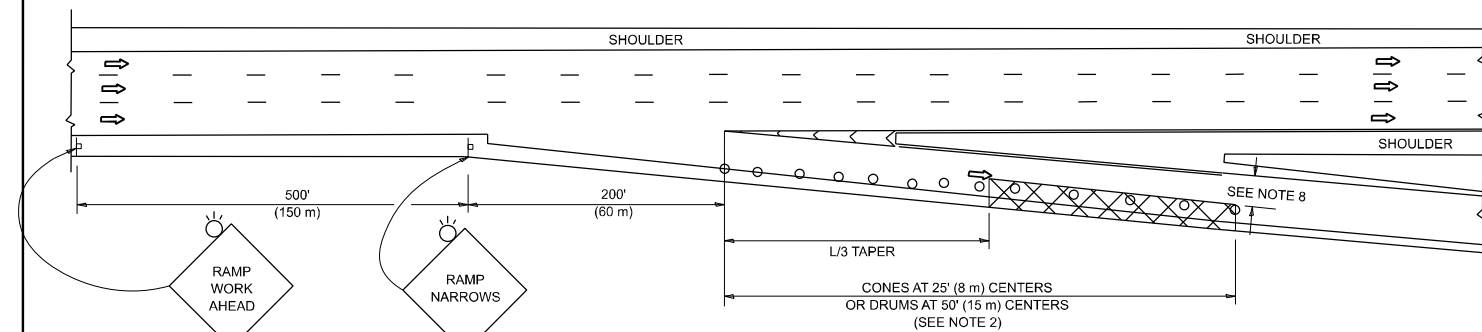
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	39
TC-16		CONTRACT NO. 62V20		
ILLINOIS FED. AID PROJECT				

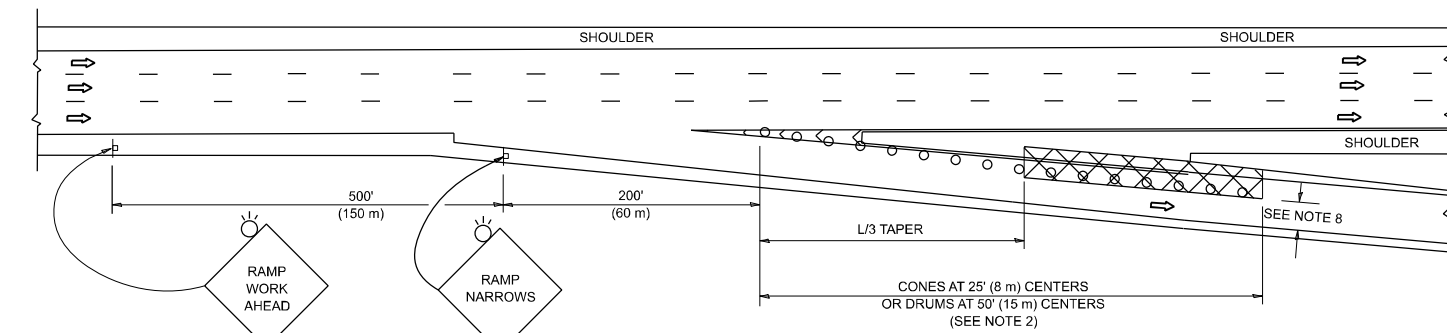
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

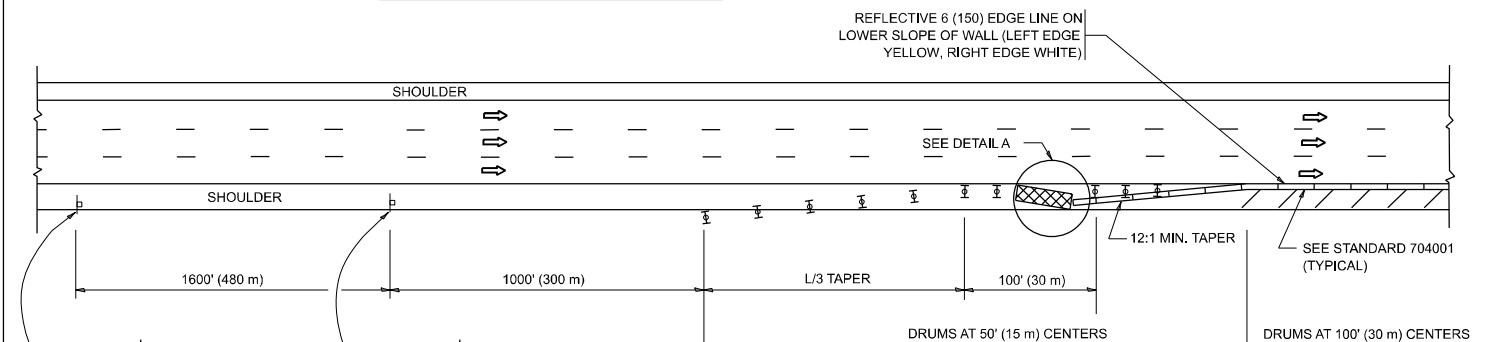
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

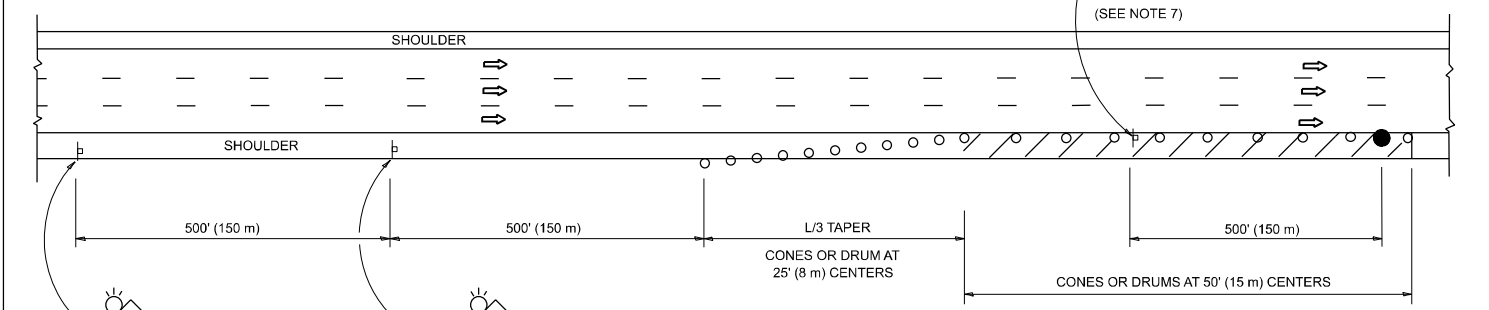
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
- 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.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

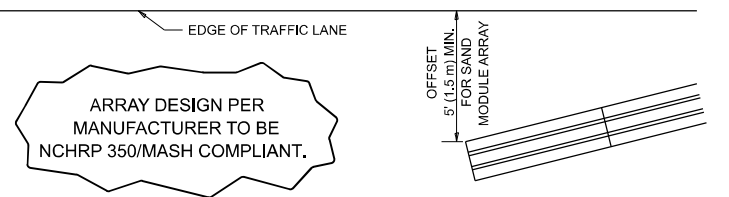


PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 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.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

MODEL: TC-17 (Sheet)
FILE NAME: c:\pwworking\dwg\115823-shr-Dtbl\Std.dgn

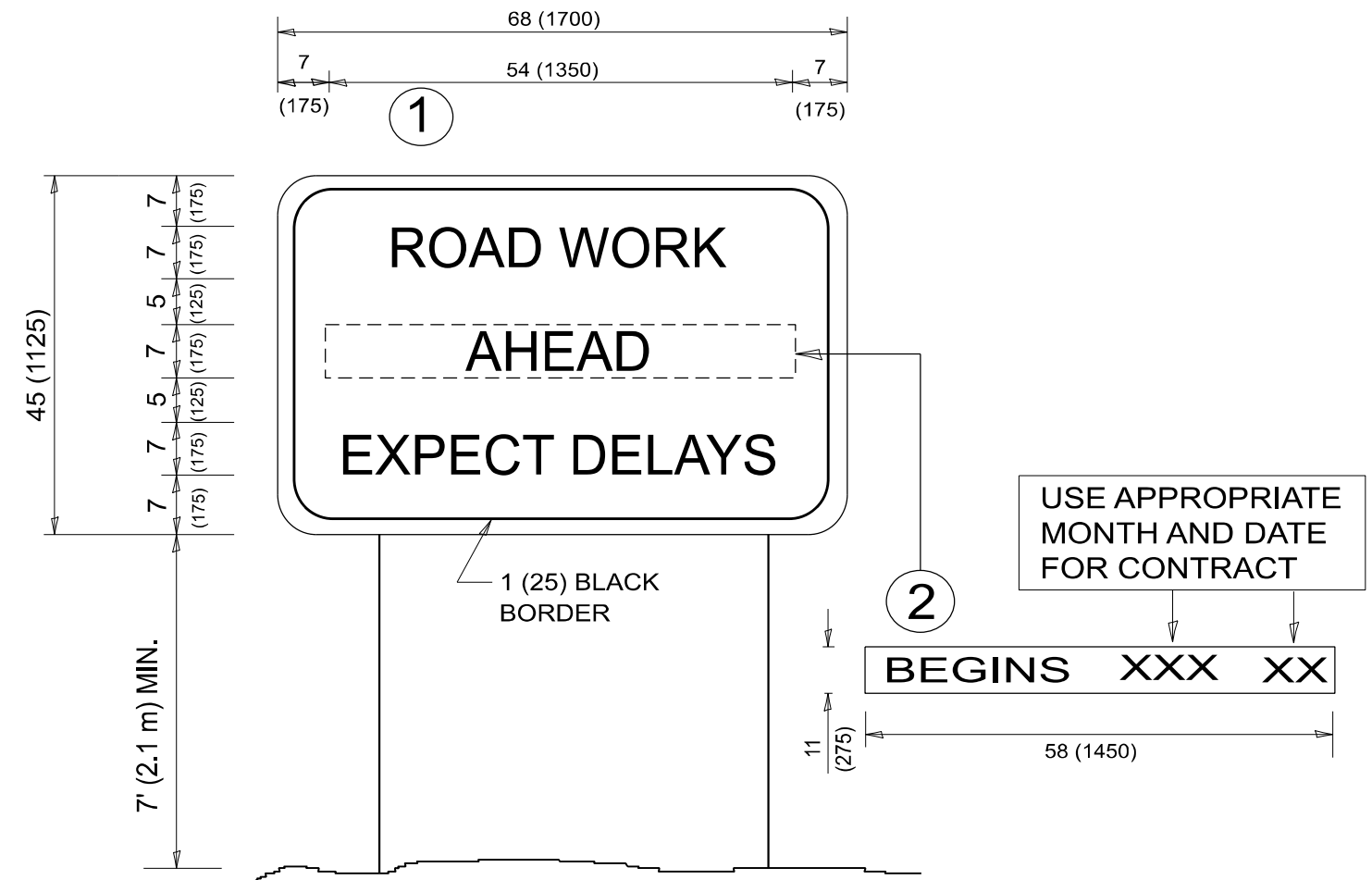
USER NAME = ivan.diaz	DESIGNED -	REVISED - S.P.B. 12-09
PLOT SCALE = \$SCALE\$	DRAWN - D.W.S.	REVISED - M.D. 06-13
PLOT DATE = 3/21/2024	CHECKED -	REVISED - M.D. 01-18
	DATE - 11-96	REVISED - M.D. 10-20

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	40
TC-17			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: TC-22 (Sheet)
FILE NAME: c:\p\work\pww\ford\iaia\0922982\0115823-shr-Dls\Std.dgn

USER NAME = ivan.diaz	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/21/2024	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2023 VAR CONCRETE PATCH	COOK	41	41
TC-22			CONTRACT NO. 62V20	
ILLINOIS FED. AID PROJECT				