01-15-2021 LETTING ITEM 075

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	1
		ILLINOIS	CONTRACT NO. 62M06	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI ROUTE 55: I-55
N OF RIVER RD TO N OF I&M CANAL
SECTION 2020-128-RS
PROJECT NHPP-72BJ(716)
SMART OVERLAY
WILL COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

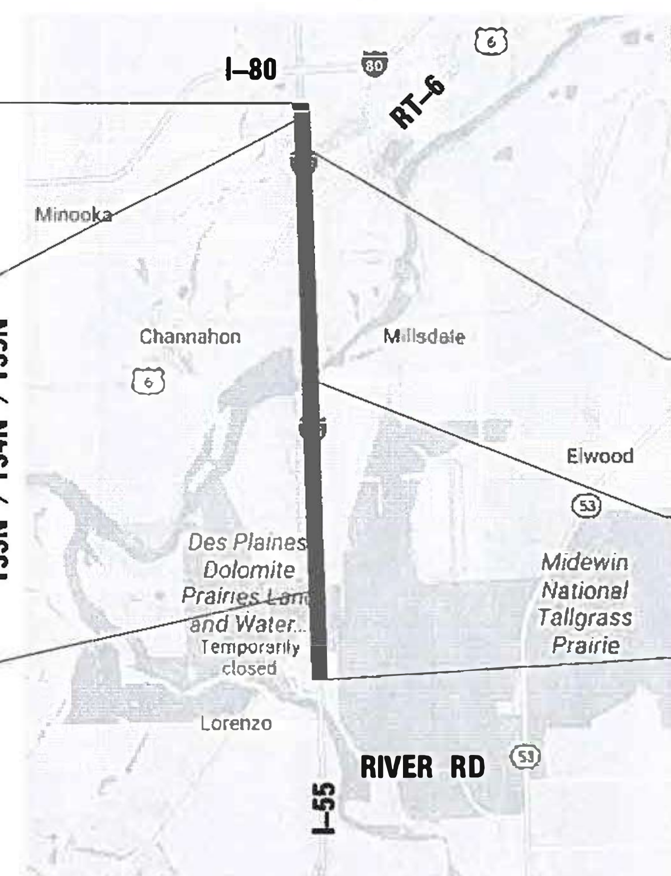
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE CITY OF JOLIET, TROY TOWNSHIP, THE VILLAGE OF CHANNAHON, CHANNAHON TOWNSHIP, AND WILMINGTON TOWNSHIP.

TRAFFIC DATA - I-55
FUNCTIONAL CLASSIFICATION: INTERSTATE
2019 ADT = 69,200
P.V. = 84.8% S.U. = 7.6% M.U. = 7.6%
POSTED SPEED = 65 MPH

C-91-326-20

R9E



PROJECT ENDS
STA 526+67

BRIDGE OMISSION
STA 505+55 TO
STA 508+30

BRIDGE OMISSION
STA 137+40 TO
STA 144+53

BRIDGE OMISSION
STA 483+95 TO
STA 485+05

BRIDGE OMISSION
STA 307+21 TO
STA 321+27

PROJECT BEGINS
STA 76+32

LOCATION MAP
NOT TO SCALE

TROY, CHANNAHON, AND WILMINGTON TOWNSHIPS

GROSS LENGTH = 45,035 FT. = 8.529 MILE
NET LENGTH = 42,531 FT. = 8.055 MILE

D-91-528-20

LOCATION OF SECTION INDICATED THUS: -

1" = 100'
1" = 10'
1" = 50'
1" = 40'
1" = 30'
1" = 20'

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

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

PROJECT ENGINEER: VESELIN VELICHKOV, PE (847)705-4432
PROJECT MANAGER: FAWAD AQUEEL, PE (847)705-4247

CONTRACT NO. 62M06

JOSEPH D. HAVEL
062-042720
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Signed:
Date: 10/02/2020
License Expires: 11/30/2021

EFK•Moen
Civil Engineering Design

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 6 2020

REGIONAL ENGINEER

December 4, 2020

ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2020

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-7	SUMMARY OF QUANTITIES
8-10	TYPICAL SECTIONS
11-13	SCHEDULES OF QUANTITIES
14-17	TRAFFIC CONTROL PLAN
18-34	PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
35-53	PROPOSED ITS DETAILS
54-68	EXISTING ITS DETAILS FOR INFORMATION ONLY
69	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
70	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
71	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE (TC-09)
72	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
73-74	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
75	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
76	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
77	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS (TC-18)
78	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
442001-04	CLASS A PATCHES
442101-09	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
601001-05	PIPE UNDERDRAINS
635001-02	DELINEATORS
642001-02	SHOULDER RUMBLE STRIPS, 16 in.
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF JOLIET, TROY TOWNSHIP, THE VILLAGE OF CHANNAHON, CHANNAHON TOWNSHIP, AND WILMINGTON TOWNSHIP.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE DISTRICT 1 DETAIL BD-32 "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
5. THE RESIDENT ENGINEER SHALL CONTACT THE EXPRESSWAY FIELD ENGINEER AT 847-705-4155 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
6. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
7. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 OR CARLOS.MUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
8. 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.
9. 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.
10. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
12. ALL PAVEMENT PATCHING LOCATIONS WILL BE AS SHOWN ON THE PLANS AND AS DETERMINED IN THE FIELD BY THE ENGINEER.
13. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE DETAIL TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" INCLUDED IN THE PLANS.
14. THE CONTRACTOR SHALL REPORT CLEARANCES UNDER BRIDGES BEFORE AND AFTER PROPOSED RESURFACING AND OVERLAY, AND NOTIFY THE ENGINEER OF ANY CHANGES.
15. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
16. THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS IS FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUESTED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS.
17. THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS WHEN USING ARTIFICIAL LIGHTING DURING NIGHT OPERATIONS TO PREVENT ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
18. NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
19. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO THE ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
20. THE THICKNESS OF THE HMA MIXTURE 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 MIXTURE IS PLACED.
21. ALL DELINEATORS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND REPLACED. REMOVAL OF EXISTING DELINEATORS IS INCLUDED IN THE UNIT PRICE FOR DELINEATORS.

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 90% FEDERAL 10% STATE ROADWAY 0005 URBAN
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	161347	161347
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	538	538
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	745	745
*	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	168	168
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	11345	11345
	40605036	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80	TON	28813	28813
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	358548	358548
*	44002220	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5"	SQ YD	600	600
	44200561	CLASS A PATCHES, TYPE I, 11 INCH	SQ YD	8	8
	44200565	CLASS A PATCHES, TYPE II, 11 INCH	SQ YD	8	8
	44200569	CLASS A PATCHES, TYPE III, 11 INCH	SQ YD	300	300
	44200571	CLASS A PATCHES, TYPE IV, 11 INCH	SQ YD	300	300
	44200986	CLASS B PATCHES, TYPE III, 11 INCH	SQ YD	100	100
	44200988	CLASS B PATCHES, TYPE IV, 11 INCH	SQ YD	100	100

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 90% FEDERAL 10% STATE ROADWAY 0005 URBAN
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	300	300
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	300	300
	44213000	PATCHING REINFORCEMENT	SQ YD	616	616
	44213200	SAW CUTS	FOOT	4248	4248
	45200300	JOINT OR CRACK FILLING	POUND	13578	13578
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	563	563
	63500105	DELINEATORS	EACH	415	415
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	124676	124676
*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
	67100100	MOBILIZATION	L SUM	1	1
*	70300905	PAVEMENT MARKING TAPE, TYPE IV 5"	FOOT	71404	71404
**	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	182	182
**	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	127754	127754
**	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	27944	27944

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 90% FEDERAL 10% STATE ROADWAY 0005 URBAN
**	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5605	5605
* **	78004354	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 4"	FOOT	1877	1877
* **	78004355	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 5"	FOOT	18884	18884
*	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	531	531
*	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	549,378	549,378
*	78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	65,776	65,776
*	78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	117,554	117,554
*	78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	22,520	22,520
**	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	166	166
**	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	35990	35990
**	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	258	258
**	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1147	1147
**	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2703	2703
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2703	2703

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 90% FEDERAL 10% STATE ROADWAY 0005 URBAN
* **	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	255	255
**	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	6	6
* **	X0326812	CAT 5 ETHERNET CABLE	FOOT	255	255
* **	X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	6	6
*	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5156	5156
* **	X1400106	WIRELESS VEHICLE DETECTION SYSTEM	EACH	10	10
* **	X1400211	LIGHT POLE, SPECIAL, 30'	EACH	6	6
* **	X1400337	WIRELESS IN PAVEMENT DETECTOR	EACH	144	144
* **	X2700003	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	65	65
* **	X2700011	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7"	FOOT	65	65
* **	X2700012	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	FOOT	6370	6370
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1
	X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	214	214
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	32619	32619

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

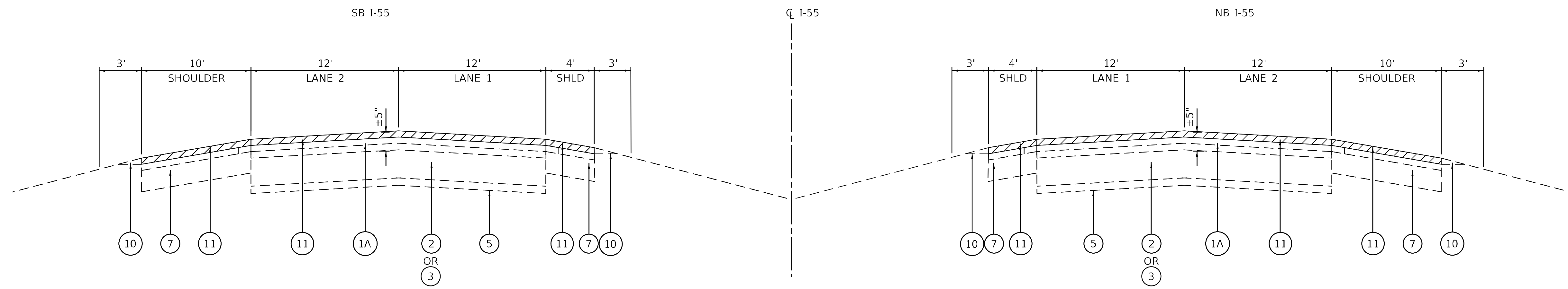
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 90% FEDERAL 10% STATE ROADWAY 0005 URBAN
* ** X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	6370	6370
** X8570000	SMART TRAFFIC MONITORING SYSTEM	L SUM	1	1
Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	450	450
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	160	160
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	246782	246782
Z0034105	MATERIAL TRANSFER DEVICE	TON	28813	28813
** X1400438	WIRELESS VEHICLE DETECTION SOLAR REPEATER	EACH	4	4
Ø Z0076600	TRAINEES	HOURS	500	500
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

Ø 0042

REV-SEP



BRIDGE OMISSIONS

STA 137+40 TO STA 144+53 (NB)
STA 307+62 TO STA 321+67 (NB)
STA 484+46 TO STA 485+66 (NB)
STA 506+24 TO STA 508+85 (NB)
STA 135+35 TO STA 144+81 (SB)
STA 307+21 TO STA 321+27 (SB)
STA 483+95 TO STA 485+05 (SB)
STA 505+55 TO STA 508+30 (SB)

I-55 EXISTING TYPICAL CROSS SECTION

STA 76+32 TO STA 121+40 (NB)
STA 146+02 TO STA 184+26 (NB)
STA 194+17 TO STA 307+62 (NB)
STA 321+67 TO STA 484+46 (NB)
STA 79+21 TO STA 121+11 (SB)
STA 147+41 TO STA 184+26 (SB)
STA 194+17 TO STA 307+21 (SB)
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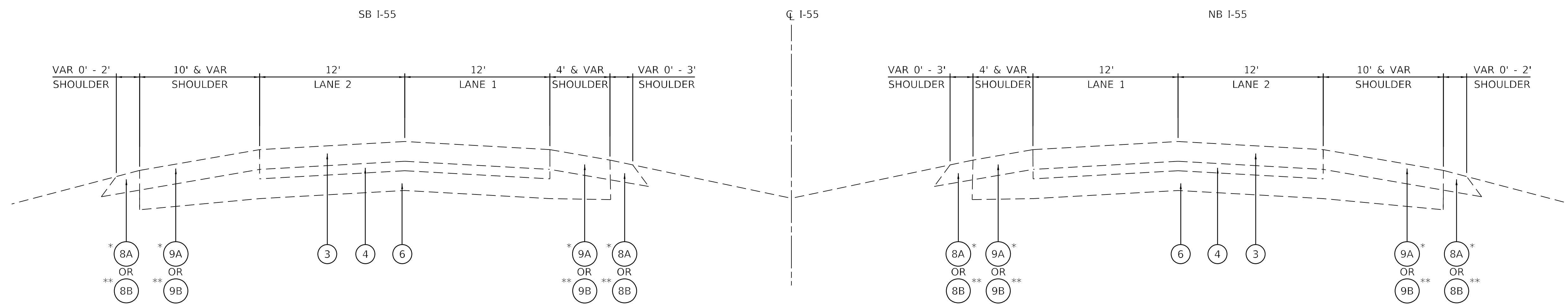


I-55 EXISTING PCC TYPICAL CROSS SECTION

STA 121+40 TO STA 137+40 (NB) *
STA 144+53 TO STA 146+02 (NB) *
STA 184+26 TO STA 194+17 (NB) *
STA 485+66 TO STA 506+24 (NB) **
STA 508+85 TO STA 526+67 (NB) **
STA 121+11 TO STA 135+35 (SB) *
STA 144+81 TO STA 147+41 (SB) *
STA 184+26 TO STA 194+17 (SB) *
STA 485+05 TO STA 505+55 (SB) **
STA 508+30 TO STA 525+42 (SB) **

NOTE:

1. CONTRACTOR SHALL PATCH BEFORE MILLING.
2. THE SMA LIMIT ON THE RAMPS SHALL BE AT GORE LINE.
3. THE SMA SHALL EXTEND 1' ONTO THE OUTSIDE SHOULDER.

LEGEND

1A EX HMA SC, 2"
EX HMA BC, 2"
EX HMA SC, ±1"
1B EX HMA SC, 1-1/2"
EX P LB, 3/4"
EX HMA SC, ±2-3/4"
2 EX PCC PVT, 10"
3 EX CRC PVT, 11"
4 EX STAB SUBBASE
5 EX SUB GRAN MAT, 4"
6 EX AGG SUBGRADE, 12"
7 EX HMA SHLD
8A EX HMA SHLD, 11"
8B EX HMA SHLD, 8"
9A EX PCC SHLD, 11"
9B EX PCC SHLD, 8"
10 EX AGG SHLD
11 PR HMA SURF REM, 2
12 PR P HMA SC, SMA, 12.5 F, 2
13 NOT USED
14 PR HMA SC, IL-9.5 D N70, 2
15 NOT USED
16 NOT USED
17 PR PREF PL PM TD L8 (30'SKIP - 10'DASH WHITE)
18 PR MOD UREETH PM LINE 4 (SOLID WHITE)
19 PP MOD URETH PM L4 (SOLID YELLOW)
20 PR THPL PVT MK LINE 4 (SOLID WHITE)
21 PR THPL PVT MK LINE 4 (SOLID YELLOW)
22 PR PREF PL PM TD INL L5 (30' SKIP - 10' DASH WHITE)
23 PR GRV RCSD PVT MRKG
24 PR RAISED REFL PAVT MKR (2 @ 80' C-C)
25 PR SHOULDER RUM STRIP 16
26 CRACK AND JOINT FILLING

USER NAME = ANugent	DESIGNED - JH	REVISED -
	DRAWN - SH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

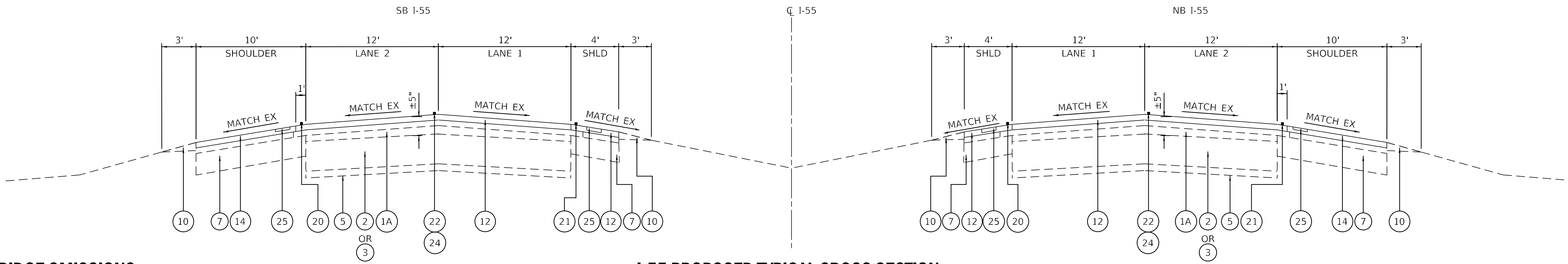
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
TYPICAL SECTIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	8

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT



BRIDGE OMISSIONS

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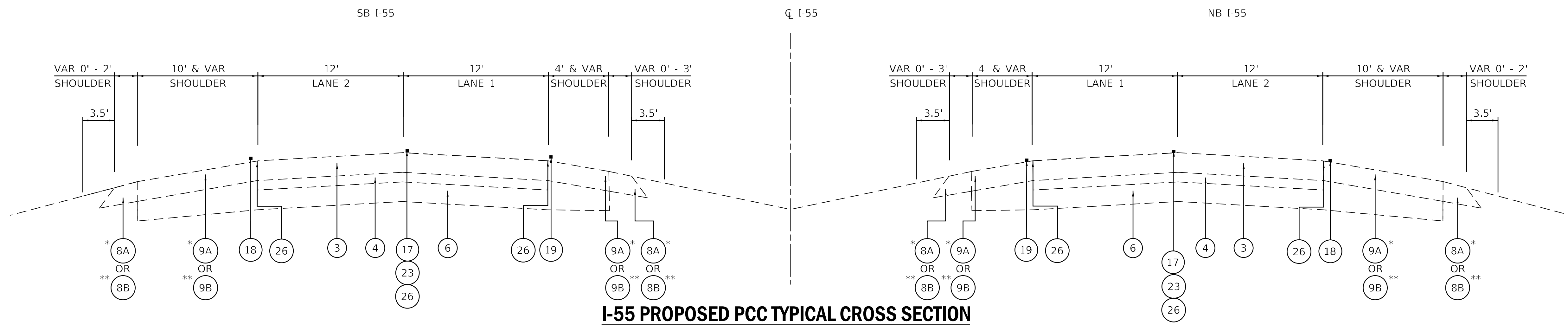

I-55 PROPOSED PCC TYPICAL CROSS SECTION

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STA 508+30 TO STA 525+42 (SB) **

NOTE:

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LEGEND

- 1A EX HMA SC, 2"
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- 12 PR P HMA SC, SMA, 12.5 F, 2
- 13 NOT USED
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MODEL: Default
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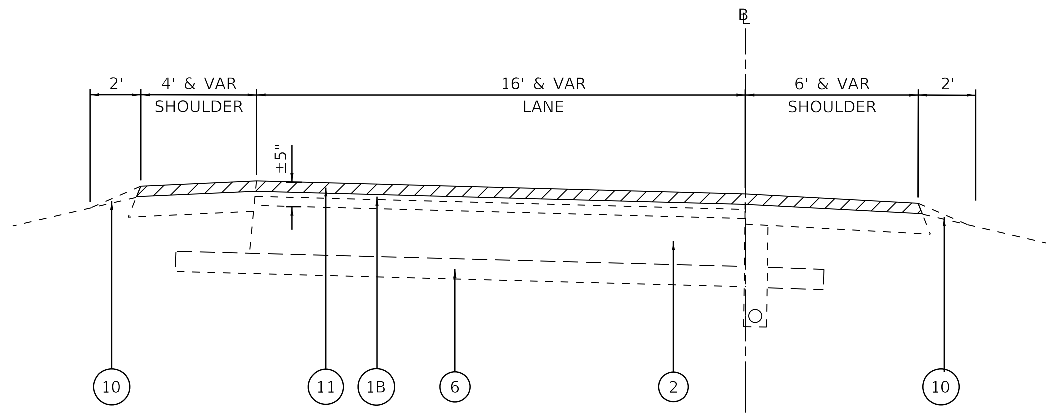
USER NAME = ANugent	DESIGNED - JH	REVISED -	
	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
TYPICAL SECTIONS

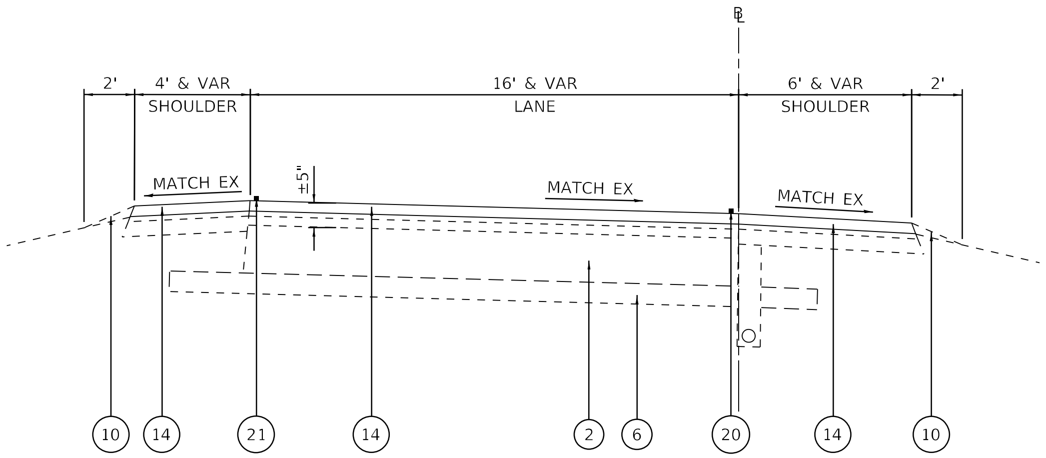
SCALE: | SHEET | OF | SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	9
		CONTRACT NO. 62M06		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION FOR RAMPS

(EXCLUDING ARESENAL RD)



PROPOSED TYPICAL SECTION FOR RAMPS

(EXCLUDING ARESENAL RD)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QMP
MILLED RESURFACING AREAS - MAINLINE HMA PAVEMENT AND INSIDE SHOULDER		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"	3.5% @ 80 GYR	PFP
MILLED RESURFACING AREAS - OUTSIDE MAINLINE HMA SHOULDER		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR	QC/QA
MILLED RESURFACING AREAS - RAMP PAVEMENT AND SHOULDER		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR	QC/QA
PATCHING PCC PAVEMENT (NON-CRC)		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR	QC/QA
HMA REPLACEMENT OVER PATCHES		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0	4% @ 70 GYR	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP).		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX SURFACE MIXTURE QUANTITES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA SHALL BE "SBS/SBR PG76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
5. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON MILLED SURFACE.
6. PATCH PAVEMENT BEFORE MILLING.

NOTE:

1. CONTRACTOR SHALL PATCH BEFORE MILLING.
2. THE SMA LIMIT ON THE RAMPS SHALL BE AT GORE LINE.
3. THE SMA SHALL EXTEND 1' ONTO THE OUTSIDE SHOULDER.

LEGEND

- 1A EX HMA SC, 2"
  - EX HMA BC, 2"
  - EX HMA SC, ±1"
- 1B EX HMA SC, 1-1/2"
  - EX P LB, 3/4"
  - EX HMA SC, ±2-3/4"
- 2 EX PCC PVT, 10"
- 3 EX CRC PVT, 11"
- 4 EX STAB SUBBASE
- 5 EX SUB GRAN MAT, 4"
- 6 EX AGG SUBGRADE, 12"
- 7 EX HMA SHLD
- 8A EX HMA SHLD, 11"
- 8B EX HMA SHLD, 8"
- 9A EX PCC SHLD, 11"
- 9B EX PCC SHLD, 8"
- 10 EX AGG SHLD
- 11 PR HMA SURF REM, 2
- 12 PR P HMA SC, SMA, 12.5 F, 2
- 13 NOT USED
- 14 PR HMA SC, IL-9.5 D N70, 2
- 15 NOT USED
- 16 NOT USED
- 17 PR PREF PL PM TD L8 (30'SKIP - 10'DASH WHITE)
- 18 PR MOD UREETH PM LINE 4 (SOLID WHITE)
- 19 PP MOD URETH PM L4 (SOLID YELLOW)
- 20 PR THPL PVT MK LINE 4 (SOLID WHITE)
- 21 PR THPL PVT MK LINE 4 (SOLID YELLOW)
- 22 PR PREF PL PM TD INL L5 (30' SKIP - 10' DASH WHITE)
- 23 PR GRV RCSD PVT MRKG
- 24 PR RAISED REFL PAVT MKR (2 @ 80' C-C)
- 25 PR SHOULDER RUM STRIP 16
- 26 CRACK AND JOINT FILLING

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-typical-003.dgn

USER NAME = ANugent	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	10
CONTRACT NO. 62M06				
ILLINOIS FED. AID PROJECT				

PROPOSED RESURFACING SCHEDULE

ROADWAY	FROM STATION	TO STATION	44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2"	40604062 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	40600290 BITUMINOUS MATERIALS (TACK COAT)	40605036 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80	Z0037700 LONGITUDINAL JOINT SEALANT	45200300 JOINT OR CRACK FILLING
			SQ YD	TON	POUND	TON	FOOT	POUND
SB I-55	79+21	121+11	17691.1	469.3	7961.0	1512.1	12570	
SB I-55	121+11	135+35						1342.6
SB I-55	135+35	144+81			BRIDGE OMISSION			
SB I-55	144+81	147+41						245.1
SB I-55	147+41	184+26	15558.9	412.7	7001.5	1329.9	11055	
SB I-55	184+26	191+60						692.0
SB I-55	191+60	194+17						323.1
SB I-55	194+17	208+51	9972.2	160.6	4487.5	956.3	6686	
SB I-55	208+51	236+70	11902.4	315.7	5356.1	1017.3	8457	
SB I-55	236+70	243+47	5278.4	75.8	2375.3	515.4	3532	
SB I-55	243+47	261+26	9717.8	199.2	4373.0	889.1	7116	
SB I-55	261+26	307+21	20484.1	514.6	9217.9	1779.6	13785	
SB I-55	307+21	321+27			BRIDGE OMISSION			
SB I-55	321+27	342+66	9991.3	239.6	4496.1	879.5	6417	
SB I-55	342+66	351+69	5273.4	276.0	2373.1	314.6	3865	
SB RAMP X	2+26	10+82	2568.0	287.6	1155.6		1712	
SB I-55	351+69	368+10	6928.7	183.8	3117.9	592.2	4923	
SB RAMP Z	4+50	10+00	1650.0	184.8	742.5		1100	
SB I-55	368+10	373+27	3134.3	170.9	1410.5	180.1	2017	
SB I-55	373+27	415+37	17775.6	471.5	7999.0	1519.3	12630	
SB I-55	415+37	431+50	9155.6	463.4	4120.0	562.0	6452	
SB RAMP AB	4+37	5+43	341.6	38.3	153.7		212	
SB I-55	431+50	444+52	5648.0	162.7	2541.6	469.9	3906	
SB RAMP AD	8+50	10+00	450.0	50.4	202.5		300	
SB I-55	444+52	453+88	5521.6	292.3	2484.7	326.1	3938	
SB I-55	453+88	483+95	12875.6	336.8	5794.0	1105.3	9021	
SB I-55	483+95	485+05			BRIDGE OMISSION			
SB I-55	485+05	492+46						698.6
SB I-55	492+46	505+55						1645.5
SB I-55	505+55	508+30			BRIDGE OMISSION			
SB I-55	508+30	525+42						2152.1
NB I-55	76+32	121+40	19414.8	504.9	8736.7	1669.6	13524	
NB I-55	121+40	137+40						1508.5
NB I-55	137+40	144+53			BRIDGE OMISSION			
NB I-55	144+53	146+02						140.5
NB I-55	146+02	184+26	16145.8	428.3	7265.6	1380.0	11472	
NB I-55	184+26	194+17						934.3
NB I-55	194+17	196+15	836.0	22.2	376.2	71.5	594	
NB I-55	196+15	202+90	4336.7	75.6	1951.5	410.1	2865	
NB I-55	202+90	221+68	7929.3	210.3	3568.2	677.7	5634	
NB I-55	221+68	241+55	18207.3	285.6	8193.3	1753.6	11922	
NB I-55	241+55	268+67	16711.1	472.5	7520.0	1399.2	10255	
NB I-55	268+67	307+62	17529.6	436.2	7888.3	1527.1	11685	
NB I-55	307+62	321+67			BRIDGE OMISSION			
NB I-55	321+67	345+52	10851.8	267.1	4883.3	948.3	7155	
NB I-55	345+52	350+54	2956.0	162.4	1330.2	168.7	1952	
NB RAMP W	4+31	13+00	2607.0	292.0	1173.2		1738	
NB I-55	350+54	368+43	7354.8	200.4	3309.7	623.4	5367	
NB RAMP Y	1+37	10+20	2649.0	296.7	1192.1		1766	
NB I-55	368+43	383+45	8576.7	455.9	3859.5	504.7	6320	
NB I-55	383+45	423+77	16715.7	451.6	7522.1	1420.6	12096	
NB I-55	423+77	433+66	6028.0	305.9	2712.6	369.2	4152	
NB RAMP AA	9+09	13+25	1441.8	161.5	648.8		1050	
NB I-55	433+66	444+91	5205.3	149.0	2342.4	434.0	3375	
NB RAMP AC	1+56	4+50	1339.3	150.0	602.7		588	
NB I-55	444+91	460+46	9126.2	441.6	4106.8	580.5	6378	
NB I-55	460+46	484+46	10666.7	268.8	4800.0	925.9	7200	
NB I-55	484+46	485+66			BRIDGE OMISSION			
NB I-55	485+66	506+24						1940.3
NB I-55	506+24	508+85			BRIDGE OMISSION			
NB I-55	508+85	526+67						1955.1
		TOTAL	358548	11345	161347	28813	246782	13578

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-schedule-001.dgn

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	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
SCHEDULES OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	11

CONTRACT NO. 62M06

ILLINOIS FED. AID PROJECT

PROPOSED PAVEMENT MARKING SCHEDULE

LOCATION	FROM STATION	TO STATION	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	78004354 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 4"	78004355 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 5"	X2700011 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7"	X2700003 GROOVING FOR RECESSED PAVEMENT MARKING 8"	X2700012 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	X7830076 GROOVING FOR RECESSED PAVEMENT MARKING 9"	78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	78009000 MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS	78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	78009008 MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	78009012 MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	X0327980 PAVEMENT MARKING REMOVAL - WATER BLASTING	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	78100100 RAISED REFLECTIVE PAVEMENT MARKER	64200116 SHOULDER RUMBLE STRIPS, 16 INCH
			SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	SQ FT	EACH	EACH	FOOT
SB I-55	79+21	121+11		.		1050						134						106	106	8380
SB I-55	121+11	135+35							360	360				2848		35		36	36	
SB I-55	135+35	144+81							240	240				1892		120	910.7	24	24	
SB I-55	144+81	147+41							70	70				520				8	8	
SB I-55	147+41	184+26		7370		920						90						94	94	7370
SB I-55	184+26	191+59							180	180				1466		30		20	20	
SB I-55	191+59	194+17		258			65	65	60	60					258			8	8	
SB I-55	194+17	198+95		478	120	120					478	13						12	12	478
SB I-55	198+95	208+51		956		240					2868	501						24	24	956
SB I-55	208+51	236+70		5638		700						78						72	72	5638
SB I-55	236+70	240+82		412		100					1648	228						56	56	412
SB I-55	240+82	246+43	36.4	561		140					1122	14						46	46	561
SB I-55	246+43	261+26	72.8	1483	371	370					1483	40						80	80	1483
SB I-55	261+26	307+21		9190		1150						147						116	116	9190
SB I-55	307+21	321+27							350	350				2812			1170.7	36	36	
SB I-55	321+27	342+66		4278		530						51						54	54	4278
SB I-55	342+66	349+16		650	163	160					650	13						18	18	650
SB I-55	349+16	351+69		253		60					759	110						8	8	253
SB RAMP X	2+26	10+82		1712																
SB I-55	351+69	368+10		3282		410						61						42	42	3282
SB RAMP Z	4+50	10+00		1100														6	6	
SB I-55	368+10	370+43		233		60					699	133						18	18	233
SB I-55	370+43	372+28		185		50					185							6	6	185
SB I-55	372+28	415+37		8618		1080						137						108	108	8618
SB I-55	415+37	430+10		1473	368	370					1473	34						38	38	1473
SB I-55	430+10	431+50		140		40					420	63						4	4	140
SB RAMP AB	4+37	5+43		212																
SB I-55	431+50	444+52		2604		330						230						34	34	2604
SB RAMP AD	8+50	10+00		300														4	4	
SB I-55	444+52	446+88		236		60					708	148						18	18	236
SB I-55	446+88	453+88		700	175	180					700	37						18	18	700
SB I-55	453+88	483+95		6014		750						95						76	76	6014
SB I-55	483+95	485+05							30	30				220		106	199.3	4	4	
SB I-55	485+05	498+12							330	330			41.5	2614		58		34	34	
SB I-55	498+12	505+55							380	380			41.5	1486		60		40	40	
SB I-55	505+55	508+30							140	140				550		256	532.7	16	16	
SB I-55	508+30	525+42							860	860				3424		85		88	88	
NB I-55	76+32	80+13		381		100					381							10	10	381
NB I-55	80+13	121+40		8254		1030						82						104	104	8254
NB I-55	121+40	137+40							800	800				3200		47		40	40	
NB I-55	137+40	144+53							360	360				1426			715.3	18	18	
NB I-55	144+53	146+02							80	80				298				4	4	
NB I-55	146+02	184+26		7648		960						118						96	96	7648
NB I-55	184+26	194+17							500	500				1982		34		26	26	
NB I-55	194+17	196+15		396		50						17						6	6	396
NB I-55	196+15	198+70		255		60					255							8	8	255
NB I-55	198+70	202+90		420		110					1260	229						34	34	420
NB I-55	202+90	221+68		3756		470						34						48	48	3756
NB I-55	221+68	241+55		3974		1000					3974	1305						100	100	1987
NB I-55	241+55	251+20		1930		480						30						52	52	965
NB I-55	251+20	257+18		598		300					598	57	41.5					32	32	598
NB I-55	257+18	269+35		1217		300					1217	70	41.5					32	32	1217
NB I-55	269+35	307+62		7654		960						137						96	96	7654
NB I-55	307+62	321+67							350	350				2810			1170.0	36	36	
NB I-55	321+67	345+52		4770		600						76						60	60	4770
NB I-55	345+52	348+30		278		70					278							8	8	278
NB I-55	348+30	350+54		224		60					672	110						18	18	224
NB RAMP W	4+31	13+00		1738														6	6	
NB I-55	350+54	368+44		3580		450						67						46	46	3580
NB RAMP Y	1+37	10+20		1766																
NB I-55	368+44	371+55		311		80					933	82						8	8	311
NB I-55	371+55	383+45		1190	298	300					1190	60						30	30	1190
NB I-55	383+45	423+77		8064		1010						131						102	102	8064
NB I-55	423+77	430+90		713	178	180					713	16						18	18	713
NB I-55	430+90	433+66		276		70					828	151						22	22	276
NB RAMP AA	9+09	13+25	72.8	832		104												7	7	
NB I-55	433+66	444+91		2250		280						268						30	30	2250
NB RAMP AC	1+56	4+50		588																
NB I-55	444+91	446+49		158		40					474	79						4	4	158
NB I-55	446+49	452+30		581		150					1162	21						16	16	581
NB I-55	452+30	460+46		816	204	200					816	21						22	22	816
NB I-55	460+46	484+46		4800		600						87						60	60	4800
NB I-55	484+46	485+66							30	30				240		58	158.0	4	4	
NB I-55	485+66	506+24							510	510				4116		73		52	52	
NB I-55	506+24	508+85							70	70				522		78	298.7	8	8	
NB I-55	508+85	517+92							230	230				1814		44		24	24	
NB I-55	517+92	526+67							440	440				1750		63		44	44	
		TOTAL	182	127754	1877	18884	65	65	6370	6370	27944	5605	166	35990	258	1147	5156	2703	2703	124676

USER NAME = ANugent	DESIGNED - JH	REVISED -
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DEPARTMENT OF TRANSPORTATION

I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
SCHEDULES OF QUANTITIES

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	12

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-schedule-002.dgn

PROPOSED DELINEATOR SCHEDULE

LOCATION	FROM STATION	TO STATION	63500105 DELINEATORS
			EACH
SB I-55	79+21	135+35	14
SB I-55	135+35	144+81	BRIDGE OMISSION
SB I-55	144+81	191+59	12
SB I-55	191+59	208+51	17
SB I-55	208+51	236+70	7
SB I-55	236+70	261+26	25
SB I-55	261+26	307+21	11
SB I-55	307+21	321+27	BRIDGE OMISSION
SB I-55	321+27	342+66	5
SB I-55	342+66	351+69	9
SB RAMP X	2+26	10+82	16
SB I-55	351+96	368+10	4
SB RAMP Z	4+50	10+00	14
SB I-55	368+10	372+28	4
SB I-55	372+28	415+37	11
SB I-55	415+37	431+50	16
SB RAMP AB	4+37	5+43	2
SB I-55	431+50	444+52	3
SB RAMP AD	8+50	10+00	4
SB I-55	444+52	453+88	9
SB I-55	453+88	483+95	8
SB I-55	483+95	485+05	BRIDGE OMISSION
SB I-55	485+05	505+55	5
SB I-55	505+55	508+30	BRIDGE OMISSION
SB I-55	508+30	525+42	4
NB I-55	76+32	137+40	15
NB I-55	137+40	144+53	BRIDGE OMISSION
NB I-55	144+53	196+15	13
NB I-55	196+15	202+90	7
NB I-55	202+90	221+68	5
NB I-55	221+68	269+35	48
NB I-55	269+35	307+62	10
NB I-55	307+62	321+67	BRIDGE OMISSION
NB I-55	321+67	345+52	6
NB I-55	345+52	350+54	5
NB RAMP W	4+31	13+00	8
NB I-55	350+54	368+44	4
NB RAMP Y	1+37	10+20	14
NB I-55	368+44	383+45	15
NB I-55	383+45	423+77	10
NB I-55	423+77	433+66	10
NB RAMP AA	9+09	13+25	7
NB I-55	433+66	444+91	3
NB RAMP AC	1+56	4+50	4
NB I-55	444+91	460+46	16
NB I-55	460+46	484+46	6
NB I-55	484+46	485+66	BRIDGE OMISSION
NB I-55	485+66	506+24	5
NB I-55	506+24	508+85	BRIDGE OMISSION
NB I-55	508+85	526+67	4
		TOTAL	415

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT

ROADWAY	STATION	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
		SQ YD
SB I-55	79+21	20.5
SB I-55	121+11	20.5
SB I-55	147+41	19.0
SB I-55	184+26	19.0
SB I-55	194+17	24.0
SB RAMP H	8+97	14.9
SB RAMP G	6+77	21.3
SB I-55	307+21	17.4
SB I-55	321+27	17.1
SB RAMP X	2+26	13.6
SB RAMP Z	10+00	13.4
SB RAMP AB	4+37	17.4
SB RAMP AD	10+00	14.2
SB I-55	483+95	24.5
SB I-55	485+05	24.2
SB I-55	505+55	32.9
SB I-55	508+30	33.1
SB I-55	525+42	33.2
NB I-55	76+32	25.4
NB I-55	121+40	19.0
NB I-55	146+02	19.0
NB I-55	184+26	20.5
NB I-55	194+17	20.5
NB RAMP E	4+05	15.0
NB RAMP F	40+94	24.6
NB I-55	307+62	16.0
NB I-55	321+67	16.1
NB RAMP W	13+00	13.0
NB RAMP Y	1+37	13.8
NB RAMP AA	13+25	19.0
NB RAMP AC	1+56	25.6
NB I-55	484+46	21.3
NB I-55	485+66	21.4
NB I-55	506+24	21.1
NB I-55	508+85	21.3
NB I-55	526+67	31.3
	TOTAL	745

PROPOSED PATCHING SCHEDULE

ROADWAY	APPROX STA	LANE	LENGTH	WIDTH	44200561 CLASS A PATCHES, TYPE I, 11 INCH	44200565 CLASS A PATCHES, TYPE II, 11 INCH	44200569 CLASS A PATCHES, TYPE III, 11 INCH	44200571 CLASS A PATCHES, TYPE IV, 11 INCH	44200986 CLASS B PATCHES, TYPE III, 11 INCH	44200988 CLASS B PATCHES, TYPE IV, 11 INCH	44201769 CLASS D PATCHES, TYPE III, 10 INCH	44201771 CLASS D PATCHES, TYPE IV, 10 INCH	Z0018911 DRILL AND GROUT #6 TIE BARS	44213200 SAW CUTS	4421300 PATCHING REINFORCEMENT
			FT	FT	SQ YD	SQ YD	SQ YD	SQ YD					EACH	FOOT	SQ YD
SB I-55	121+11	BOTH	6	24			16.0							114	16.0
NB I-55	137+40	BOTH	6	24			16.0							114	16.0
NB I-55	146+02	BOTH	6	24			16.0							114	16.0
SB I-55	184+26	BOTH	6	24			16.0							114	16.0
NB I-55	304+50	LEFT	80	6				53.3					80	264	53.3
NB I-55	340+00	RIGHT	120	6				80.0					120	384	80.0
NB I-55	468+75	RIGHT	120	6				80.0					120	384	80.0
NB I-55	470+50	RIGHT	40	6				26.7					40	144	26.7
SB I-55	483+50	RIGHT	6	6	4.0									42	4.0
NB I-55	484+50	RIGHT	6	6	4.0									42	4.0
NB I-55	508+85	BOTH	6	24			16.0							114	16.0
NB I-55	526+67	CENTER	6	12		8.0								66	8.0
ADDITIONAL NOMINAL QUANTITIES							220.0	60.0	100.0	100.0	300.0	300.0	90	2352	280.0
TOTAL					8	8	300	300	100	100	300	300	450	4248	616

NOTE 1: ALL PATCHING CLASSES, TYPES, QUANTITIES, AND LOCATIONS ARE APPROXIMATE. ACTUAL PATCH CLASS, TYPE, QUANTITY, AND LOCATION IS TO BE DETERMINED IN THE FIELD AT THE SOLE DISCRETION OF THE ENGINEER.

NOTE 2: REPLACE PIPE UNDERDRAIN TYPE II AT LOCATIONS OF FULL DEPTH PATCHING ALONG OUTSIDE SHOULDER OR AS DIRECTED BY THE ENGINEER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
SCHEDULES OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	13

CONTRACT NO. 62M06

ILLINOIS FED. AID PROJECT

TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) (X7011015). NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

2. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE 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 SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

3. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY OR EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE STAGING. REMOVAL OF PAVEMENT MARKING TAPE WILL BE PAID FOR AS TEMPORARY PAVEMENT MARKING REMOVAL (X7030005). REMOVAL OF PAVEMENT MARKINGS ON PERMANENT PAVEMENT WILL BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING (X0327980).

4. ALL SIGN ASSEMBLIES SHALL BE CRETIFIED BY THE CONTRACTOR AS MEETING THE APPLICABLE REQUIREMENTS OF THE NCHRP REPORT 350 OR MASH REQUIREMENTS, TEST LEVEL 3 AND SHALL BE APPROVED BY THE ENGINEER.

5. THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

6. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE TO THE ENGINEER OF ANY CONSTRUCTION WORK.

7. ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.

8. TEMPORARY PAVEMENT MARKINGS PLACED ON MILLED SURFACES OR BINDER SHALL BE EPOXY PAINT. FINAL PAVEMENT MARKING SHALL BE PLACED ON FINAL WEARING SURFACE.

9. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHA LL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, SUFFICIENT QUANTITIES FOR 2 APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS HAVE BEEN PROVIDED FOR EACH STAGE.

10. DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID ANY CONSTRUCTION DEBRIS FROM ENCROACHING INTO THE ADJACENT THROUGH LANES.

11. LOCATIONS OF CHANGEABLE MESSAGE SIGN SHALL BE DETERMINED BY THE ENGINEER.

12. THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP, AND SHOULDER CLOSURES. SEE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR MORE INFORMATION.

13. ALL STAGE CHANGES REQUIRING THE STOPPING AND/OR THE PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS (WEEKENDS AND HOLIDAYS DO NOT COUNT INTO THIS 72 HOURS NOTIFICATION) IN ADVANCE OF ANY PROPOSED STAGE CHANGE.

14. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATIONS.

15. THE CONTRACTOR SHALL CONTACT THE EXPRESSWAY AREA FIELD ENGINEER AT (847) 705-4151 TWO WEEKS IN ADVANCE OF PLACING FINAL PAVEMENT MARKINGS.

16. THE CONTRACTOR SHALL PROVIDE TWO WEEKS ADVANCED NOTICE TO THE ENGINEER FOR CRC PATCHING.

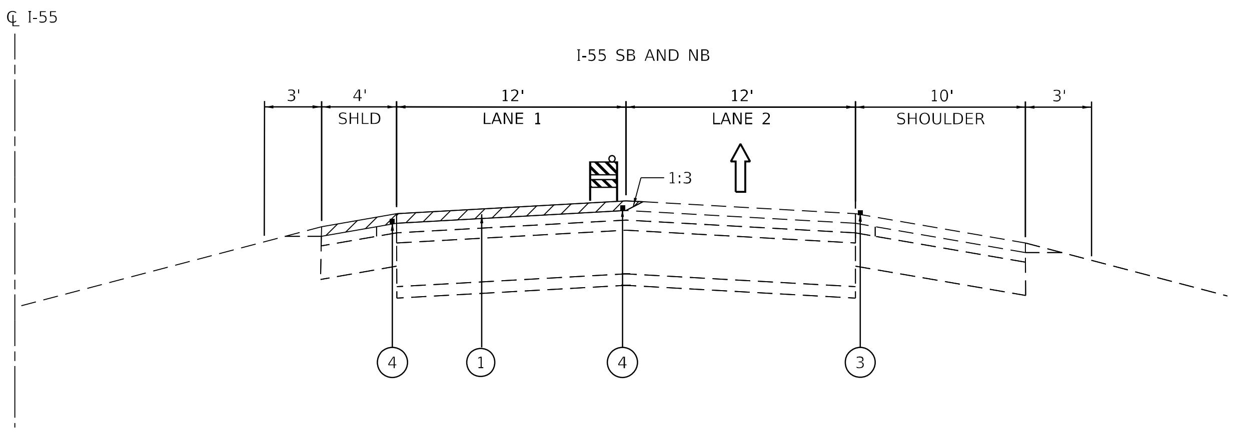
SUGGESTED STAGING NOTES

TRAFFIC

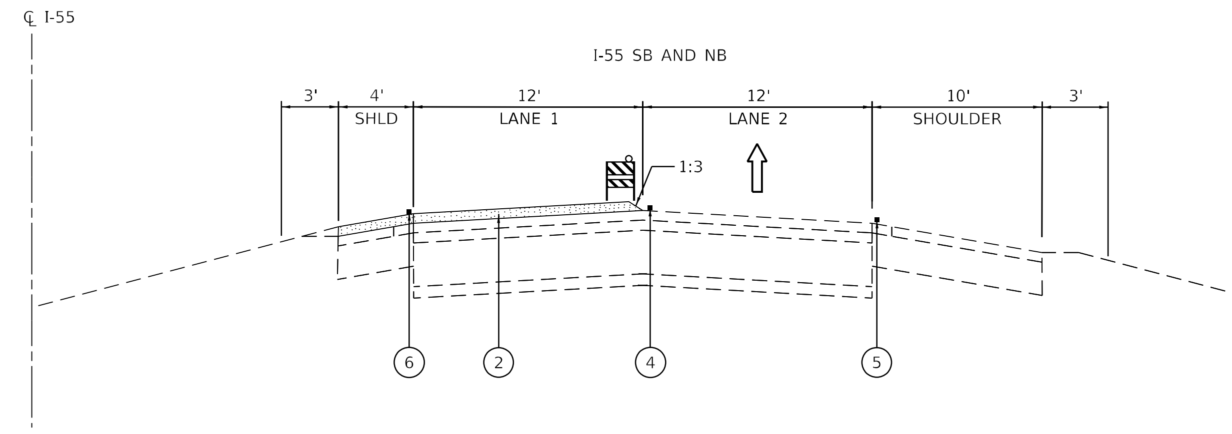
1. CLOSE LANES DURING ALLOWABLE HOURS UTILIZING STANDARDS 701400, 701401, 701411, 701428, 701446, AND TC-09.
2. CLOSE RAMPS UTILIZING STANDARDS TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES. CONSECUTIVE RAMP CLOSURES AT THE SAME TIME ARE NOT PERMITTED.
3. ALL LANES MUST BE OPEN TO TRAFFIC AFTER ALLOWABLE LANE CLOSURE HOURS.
4. A MAXIMUM OF 2 EXTENDED WEEKEND CLOSURES IN EACH DIRECTION, FRIDAY 9:00 PM TO MONDAY 5:00 AM WILL BE ALLOWED FOR CLASS A PATCHES IN CRC PAVEMENT.

CONSTRUCTION

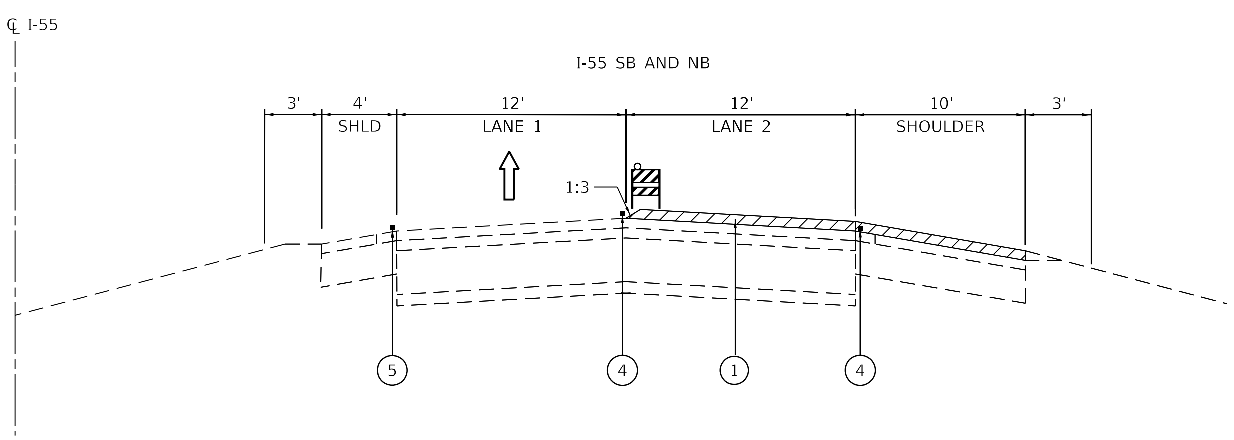
1. PLACE PATCHES.
2. MILL AND RESURFACE MAINLINE AS SHOWN IN THE SEQUENCE OF OPERATIONS.
3. MILL AND RESURFACE RAMPS.
4. MILLING OPERATIONS SHALL BE PERFORMED SUCH THAT A VERTICAL MILLED FACE NO GREATER THAN 1-1/2" INCHES EXISTS BETWEEN ADJACENT OPEN LANES OF TRAFFIC AT ANY TIME. THIS MAY BE ACCOMPLISHED BY PLACING A TEMPORARY WEDGE OR MILLING TO PROVIDE A MINIMUM 1:3 SLOPE. OTHER METHODS MAY BE USED IF APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTING THE PROCEDURE. THIS WORK SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL, OF THE THICKNESS SPECIFIED.
5. DRUMS SHALL NOT BE PLACED IN THE LANE WHICH IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL USE ONE FOOT WIDE VERTICAL BARRICADES ALONG THE MILLING AND PAVING OPERATIONS. DRUMS OR TYPE II BARRICADES SHALL BE USED TO DELINEATE ALL OPEN RAMPS THROUGH THE WORK ZONE.
6. THE CONTRACTOR SHALL PLACE AND MAINTAIN BARRICADES/DRUMS AT 100-FOOT C-C ON THE SHOULDER ADJACENT TO MILLED AREAS. BARRICADES/DRUMS WILL REMAIN IN PLACE UNTIL THE PROPOSED SURFACE HAS BEEN PLACED AND EDGE LINES HAVE BEEN INSTALLED.
7. AT THE END OF EACH NIGHTLY SHIFT, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN, PLACE TEMPORARY PAVEMENT MARKINGS, AND REMOVE TRAFFIC CONTROL FOR LANE CLOSURE.
8. DURING NON-WORKING HOURS, BARRICADES/DRUMS SHALL BE PLACED ON THE SHOULDER WITHIN 2' OF THE EDGE OF THE PAVEMENT.



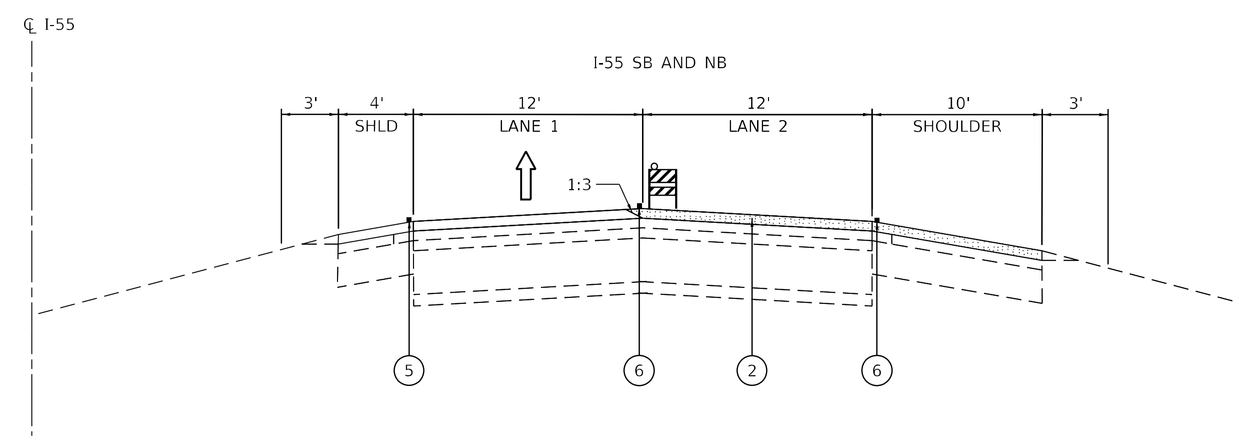
MILL AND RESURFACE OPERATION 1



MILL AND RESURFACE OPERATION 3



MILL AND RESURFACE OPERATION 2



MILL AND RESURFACE OPERATION 4

MOT PLAN LEGEND

HMA SURFACE REMOVAL

HMA SURFACE COURSE

DIRECTION OF TRAFFIC FLOW

CONE, DRUM OR BARRICADE @ 100' C-C

1. 2" MILL
2. 2" SURFACE
3. EX PAVEMENT MARKING
4. EPOXY PAVEMENT MARKING - MATCH EXISTING WIDTH
5. PREVIOUSLY PLACED PAVEMENT MARKING
6. PERMANENT PAVEMENT MARKING

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I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
TRAFFIC CONTROL PLAN – SEQUENCE OF OPERATIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	15

CONTRACT NO. 62M06

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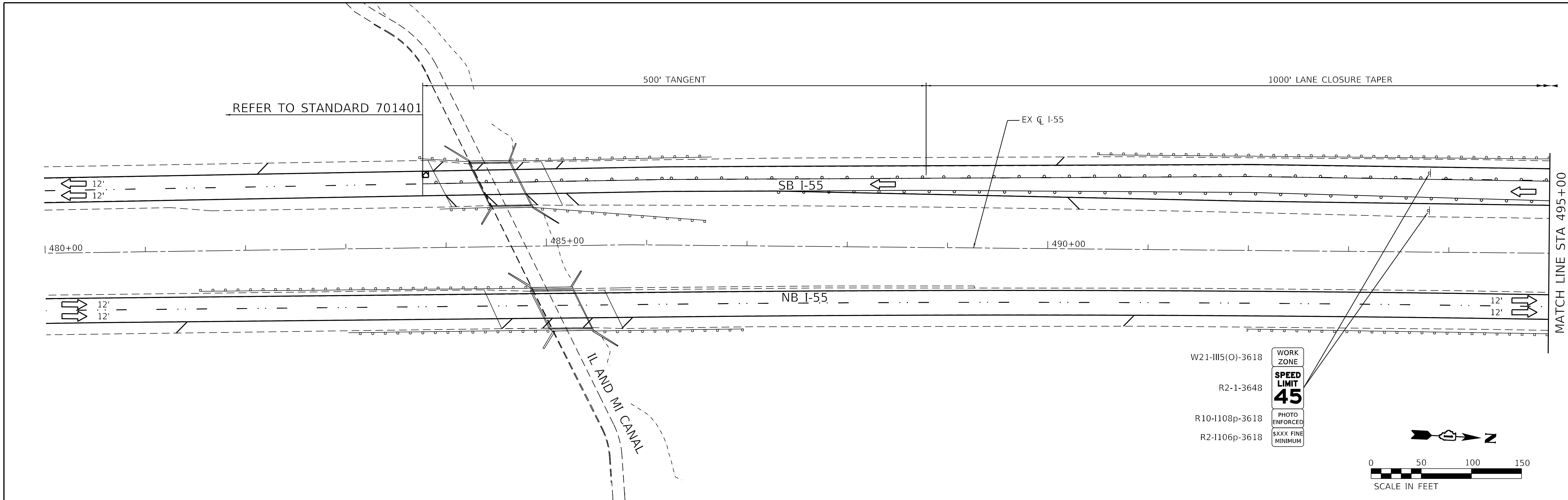

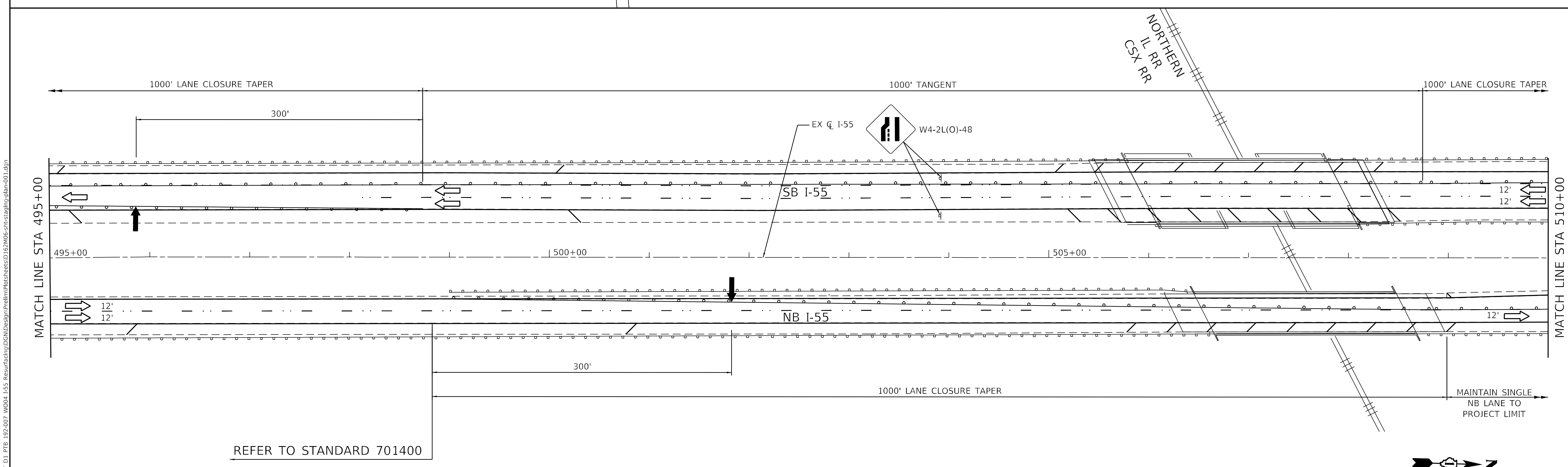

LEGEND

- DIRECTION OF TRAVEL
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE, TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE (REFER TO STANDARDS 701401 & 701446)
- FULL DEPTH PATCH AREA WITH TYPE II UNDERDRAIN REPLACEMENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
TRAFFIC CONTROL PLAN - PATCHING AT 3-LANE TRANSITION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	16

CONTRACT NO. 62M06

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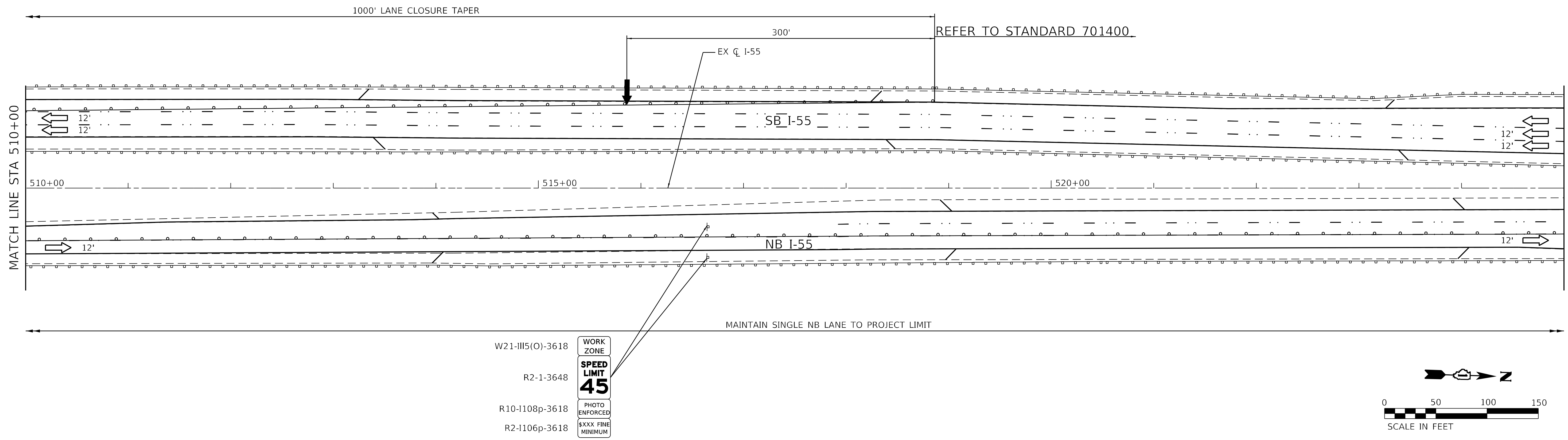

LEGEND

- DIRECTION OF TRAVEL
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE, TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE (REFER TO STANDARDS 701401 & 701446)
- FULL DEPTH PATCH AREA WITH TYPE II UNDERDRAIN REPLACEMENT

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I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
TRAFFIC CONTROL PLAN - PATCHING AT 3-LANE TRANSITION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	17

CONTRACT NO. 62M06

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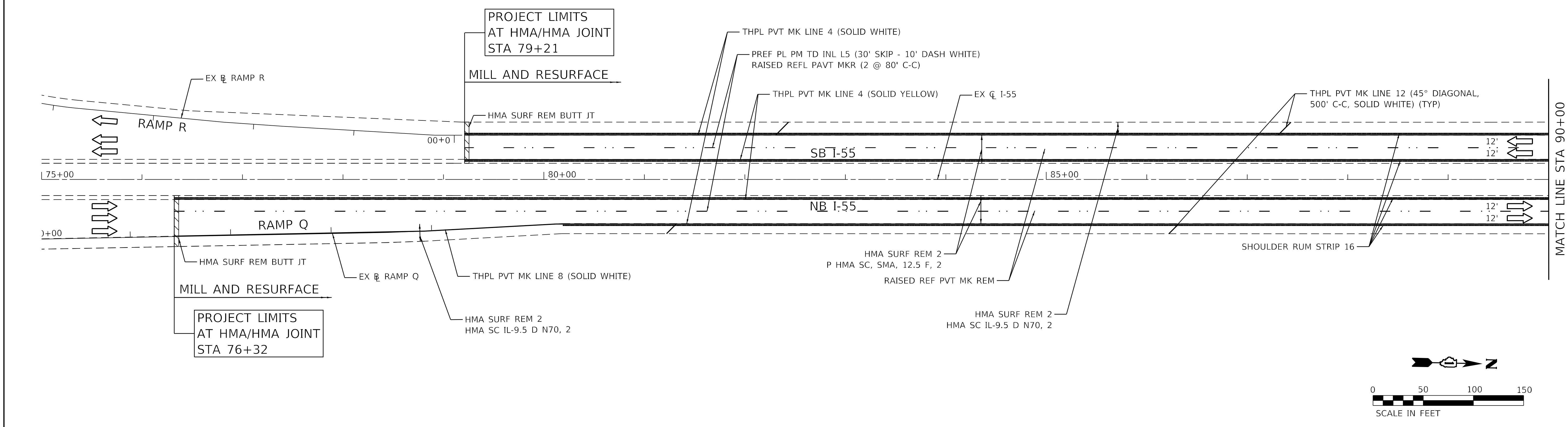

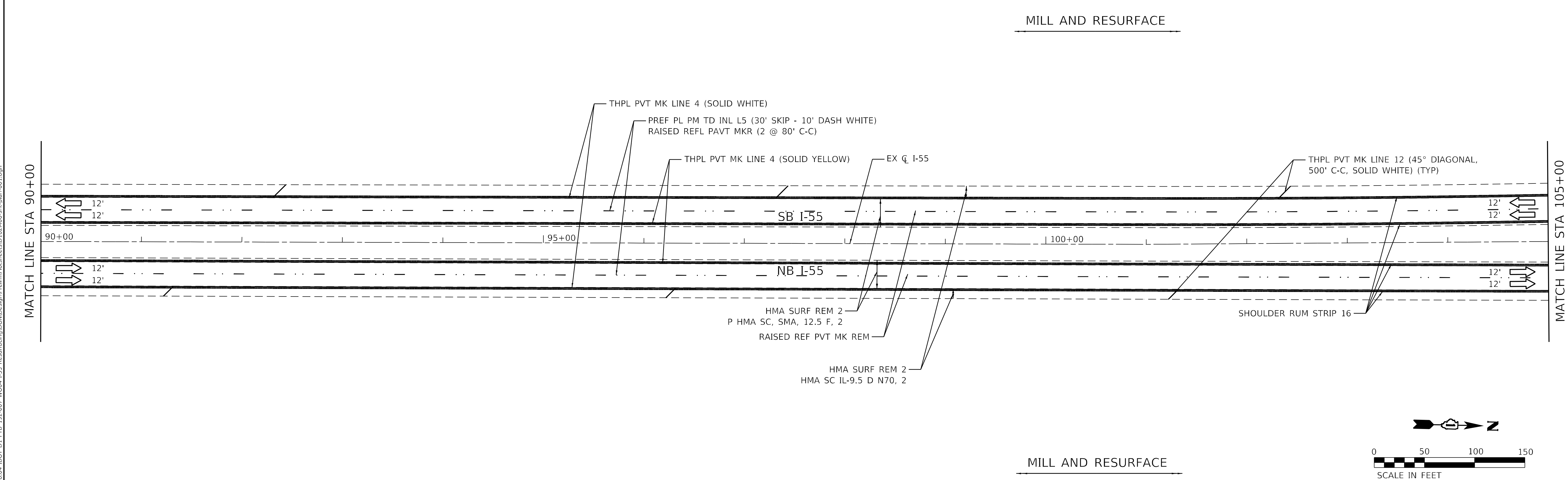

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I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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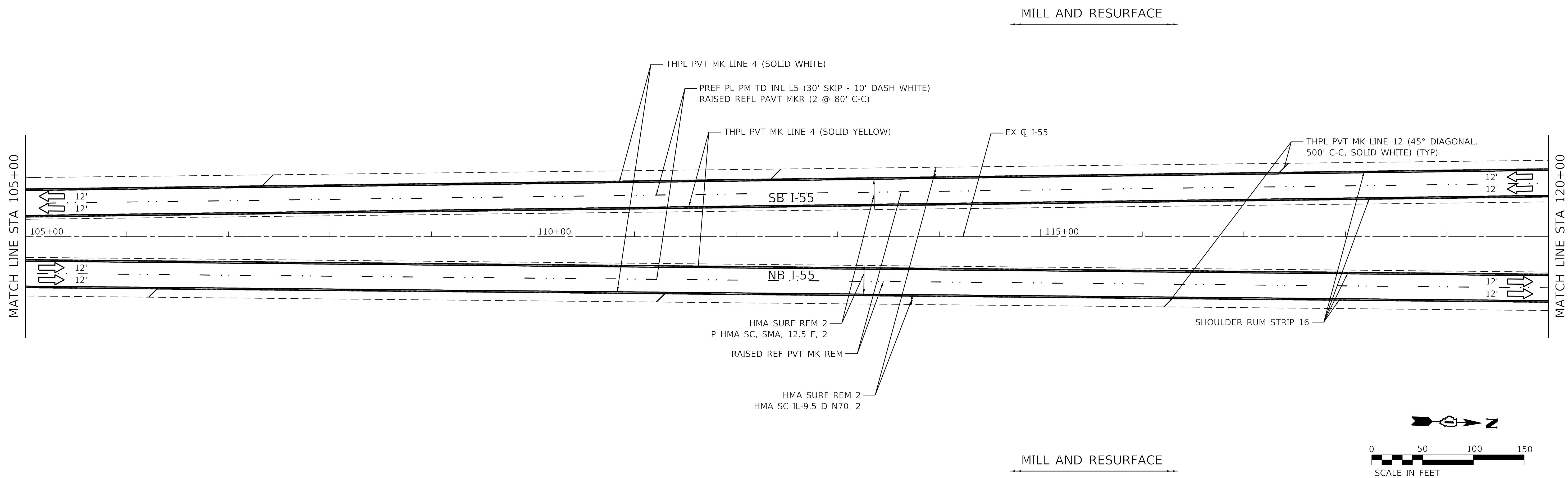

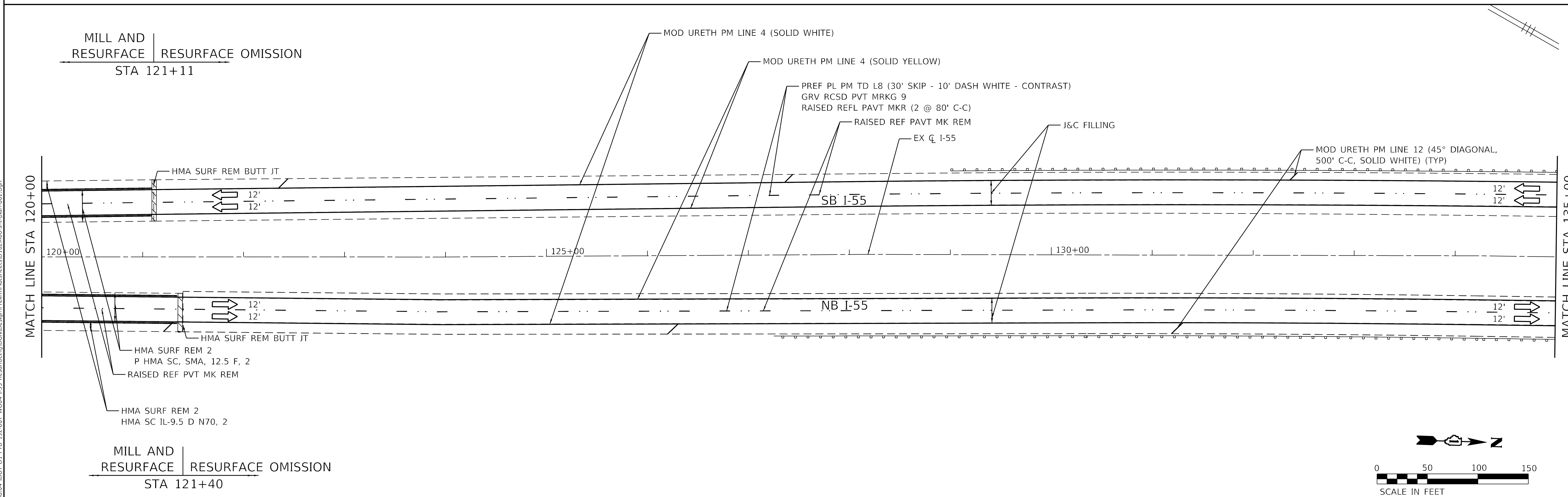

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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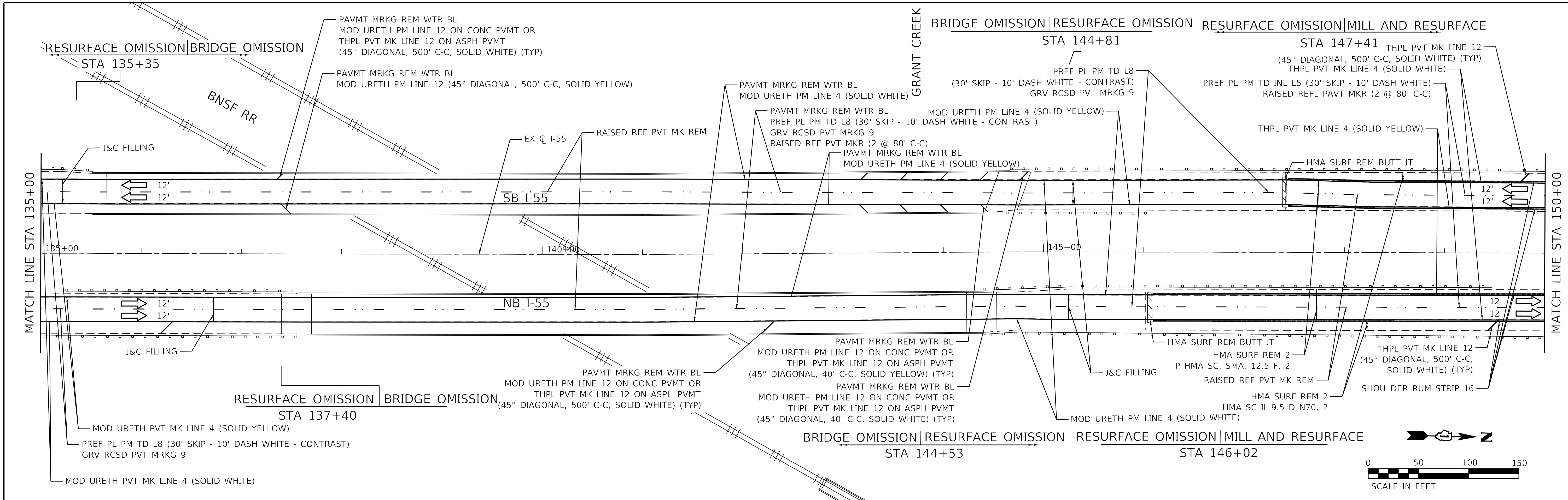

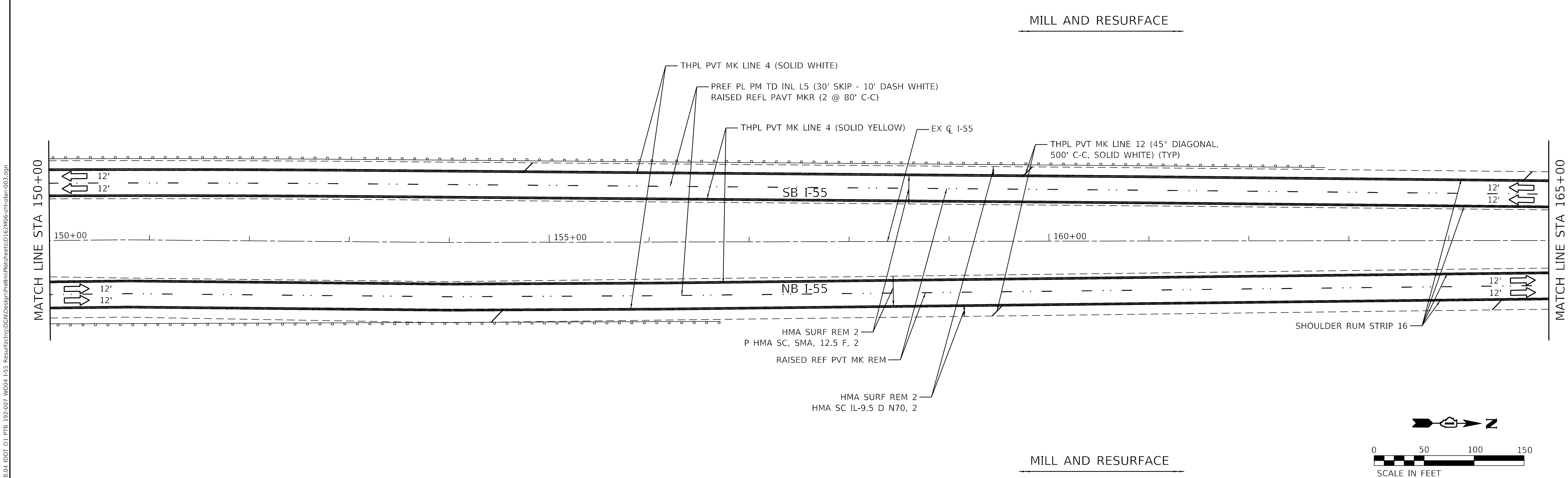

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	20
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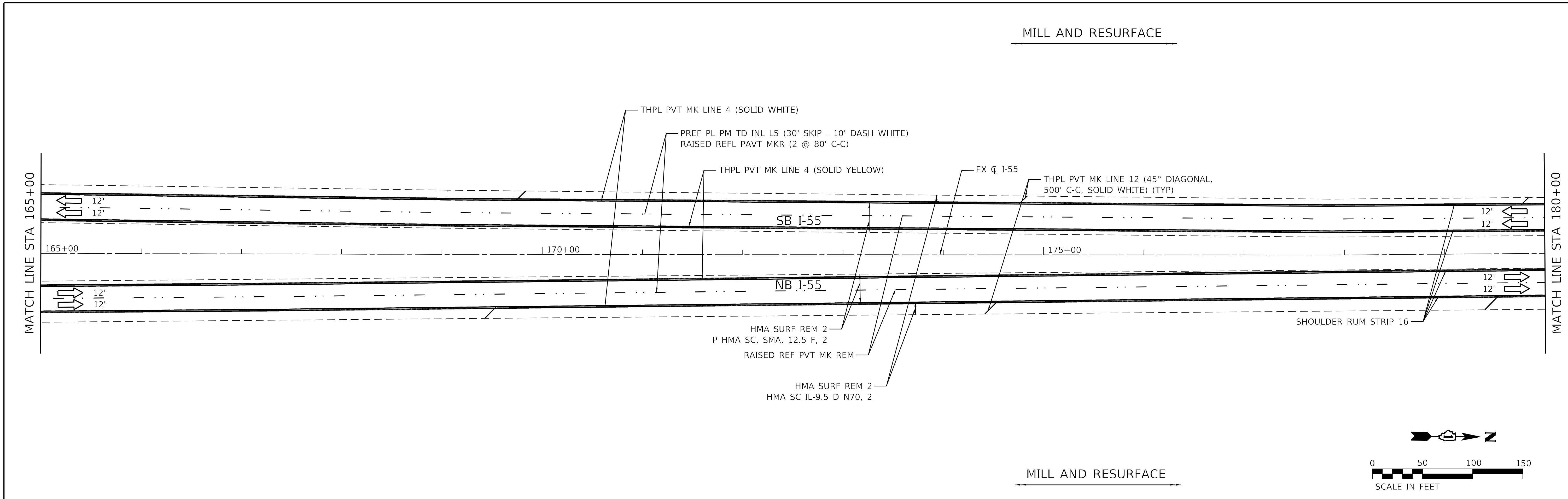
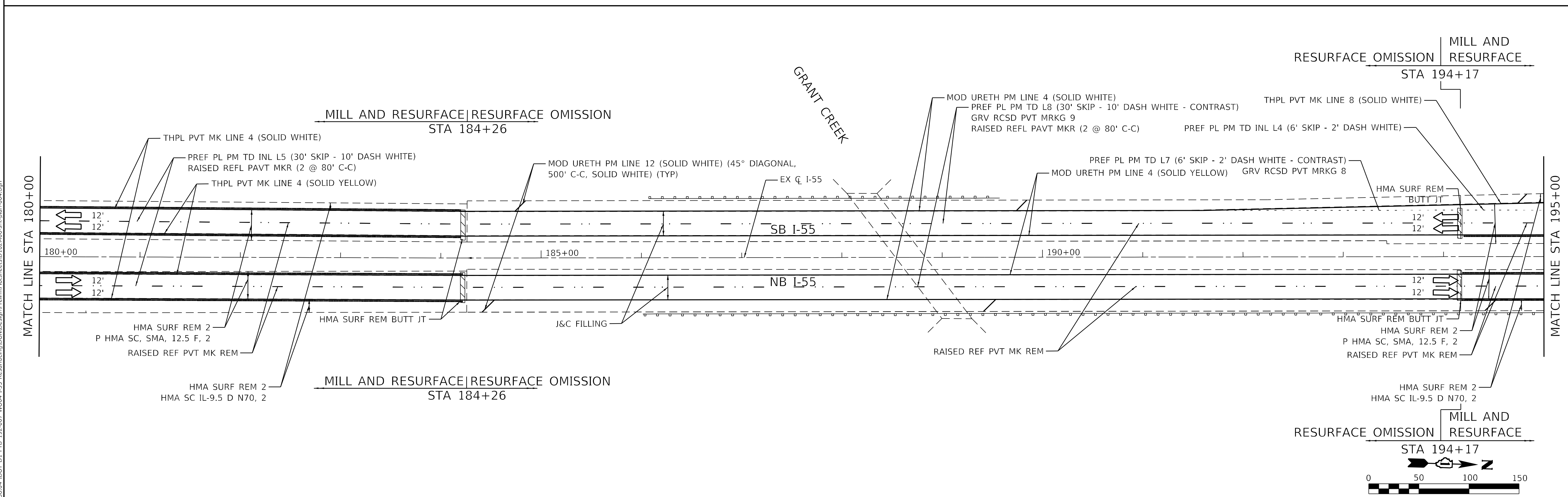
		ILLINOIS	FED. AID PROJECT	





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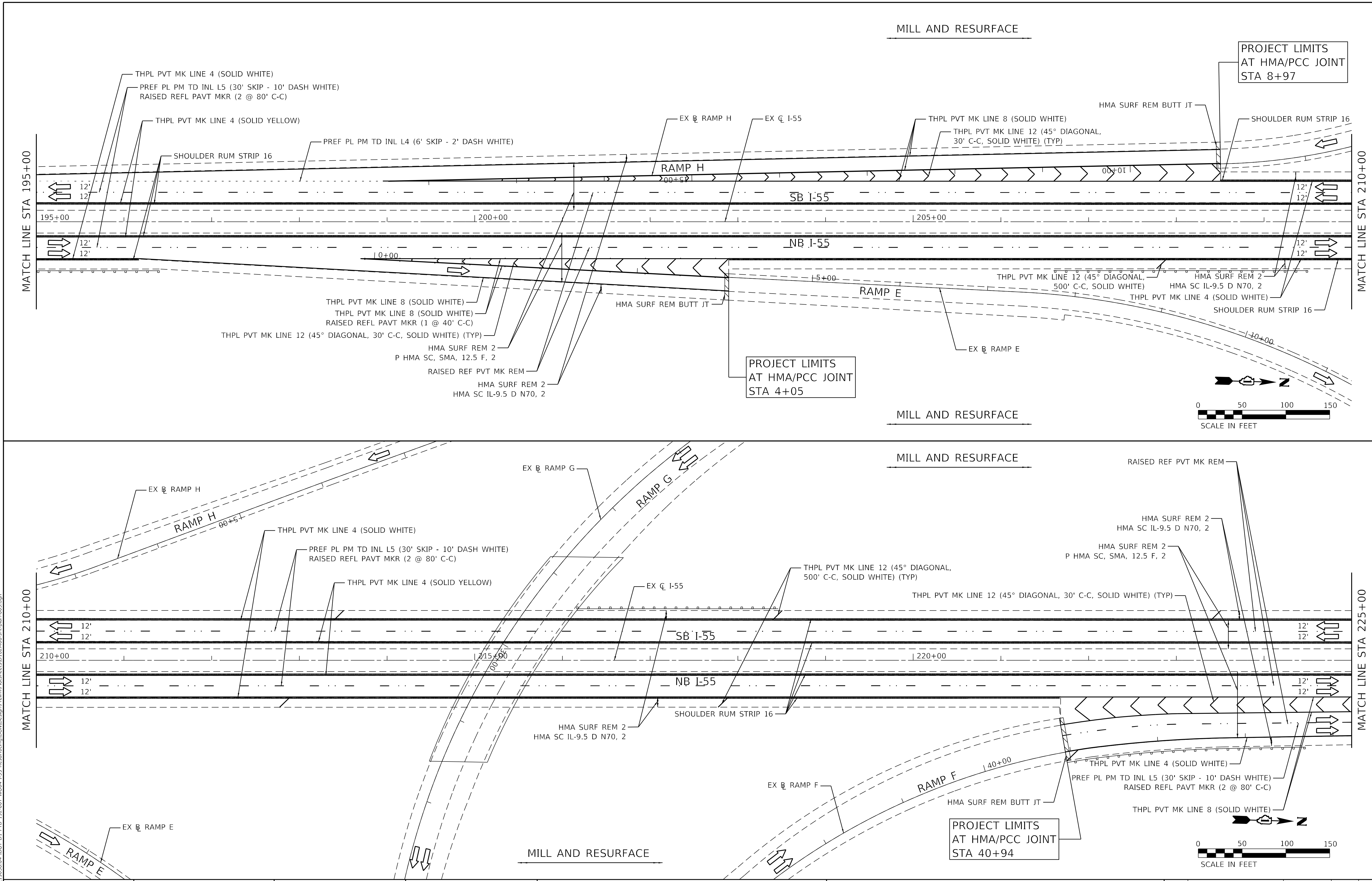
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	21
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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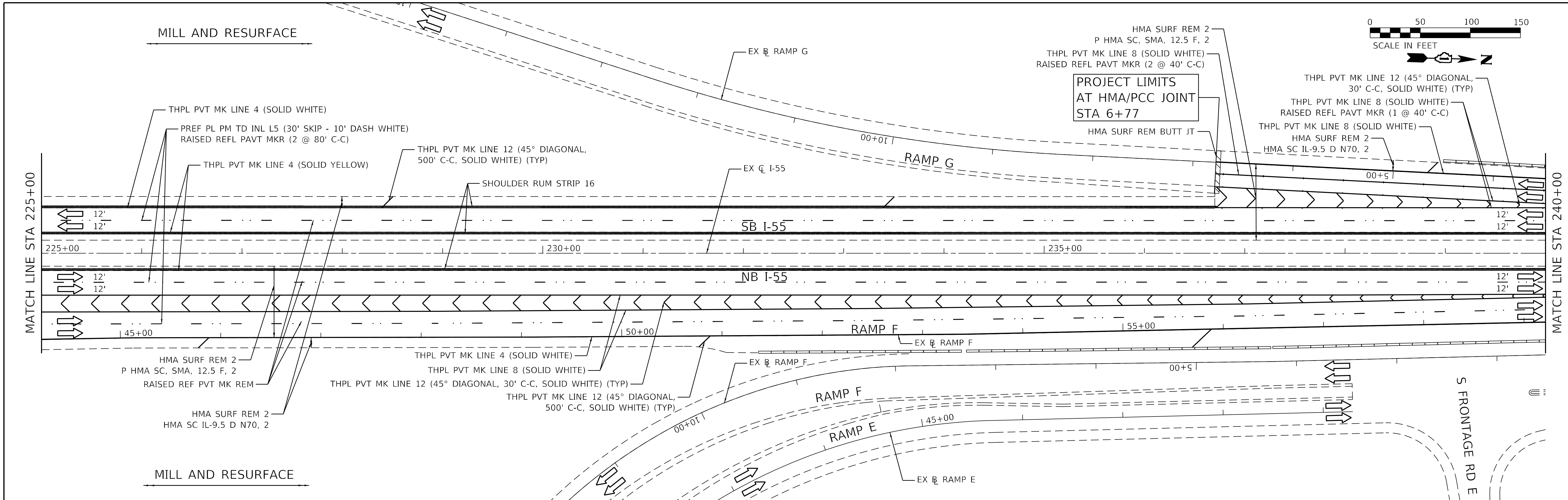
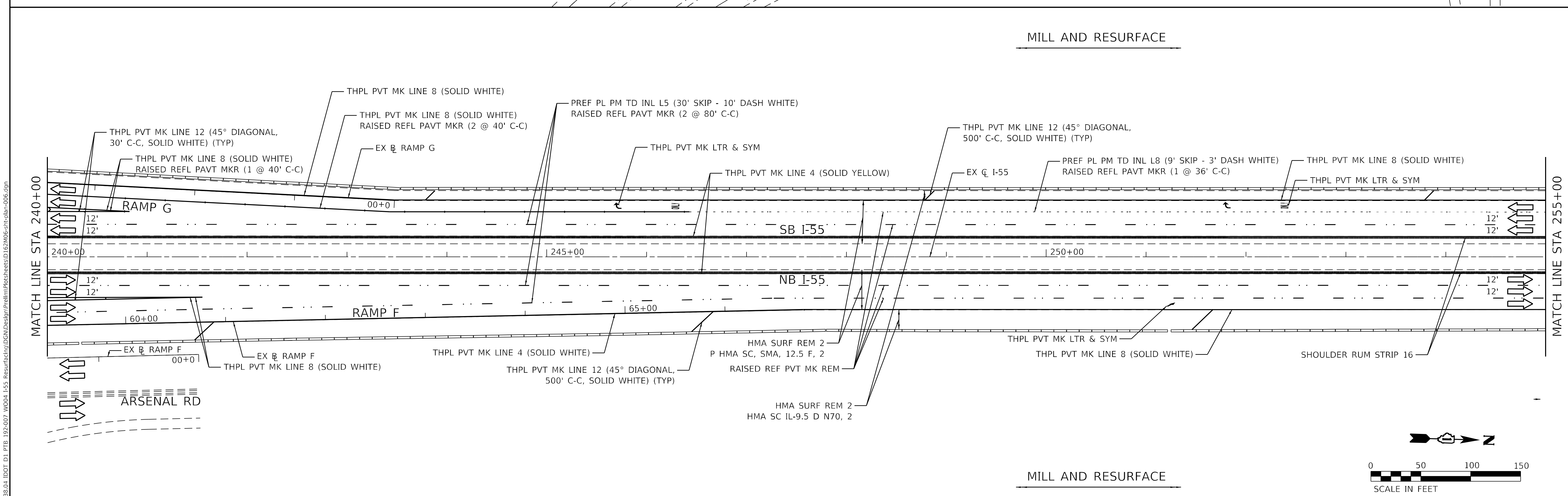
	ILLINOIS	FED. AID PROJECT		





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	DRAWN - SH	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -		
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	23
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		

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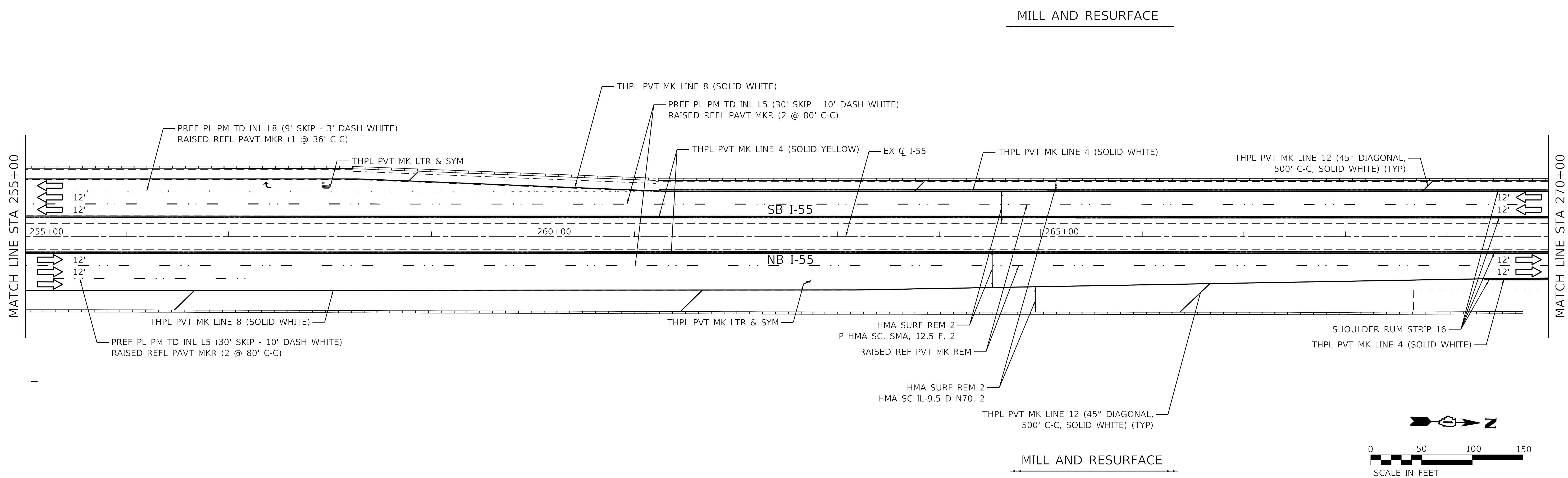

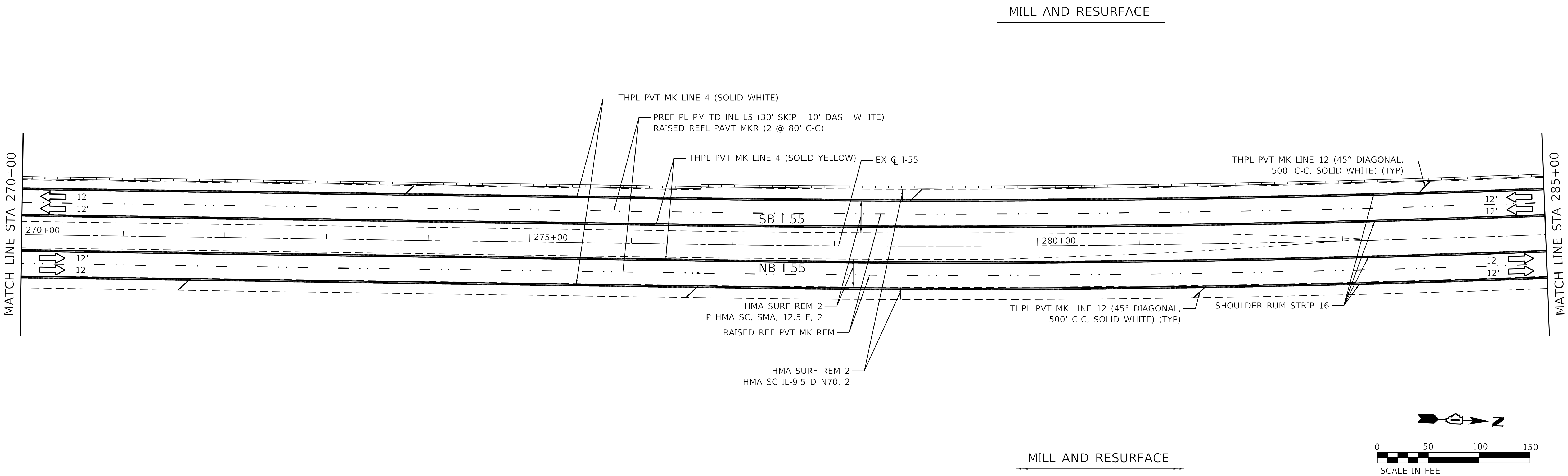

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	DRAWN - SH	REVISED -	
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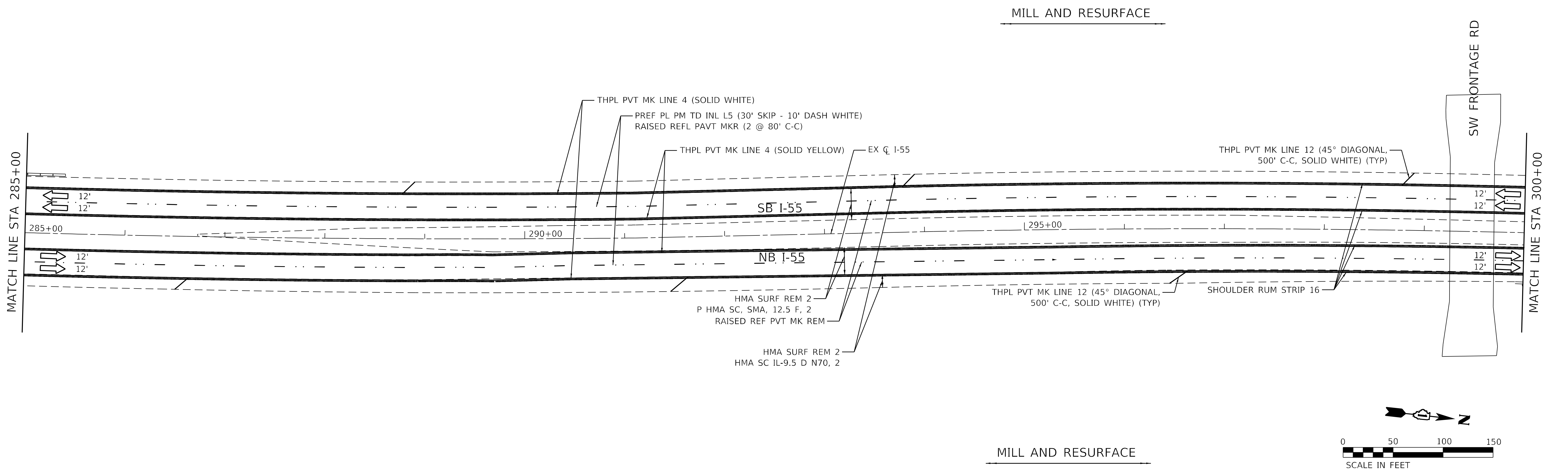
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

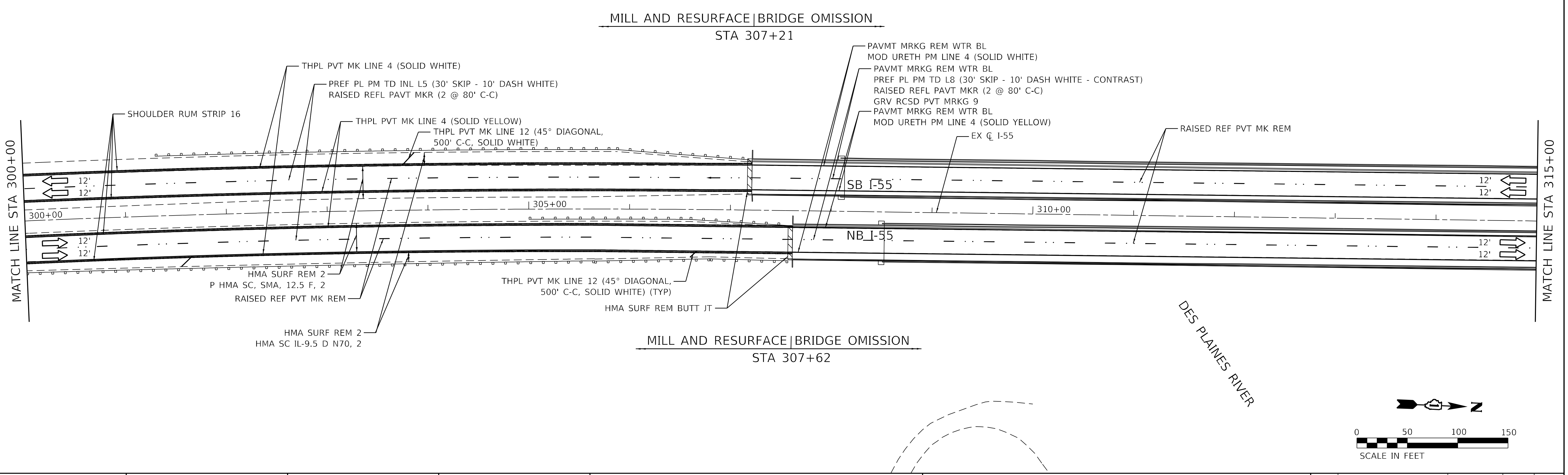
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	24
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		





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PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

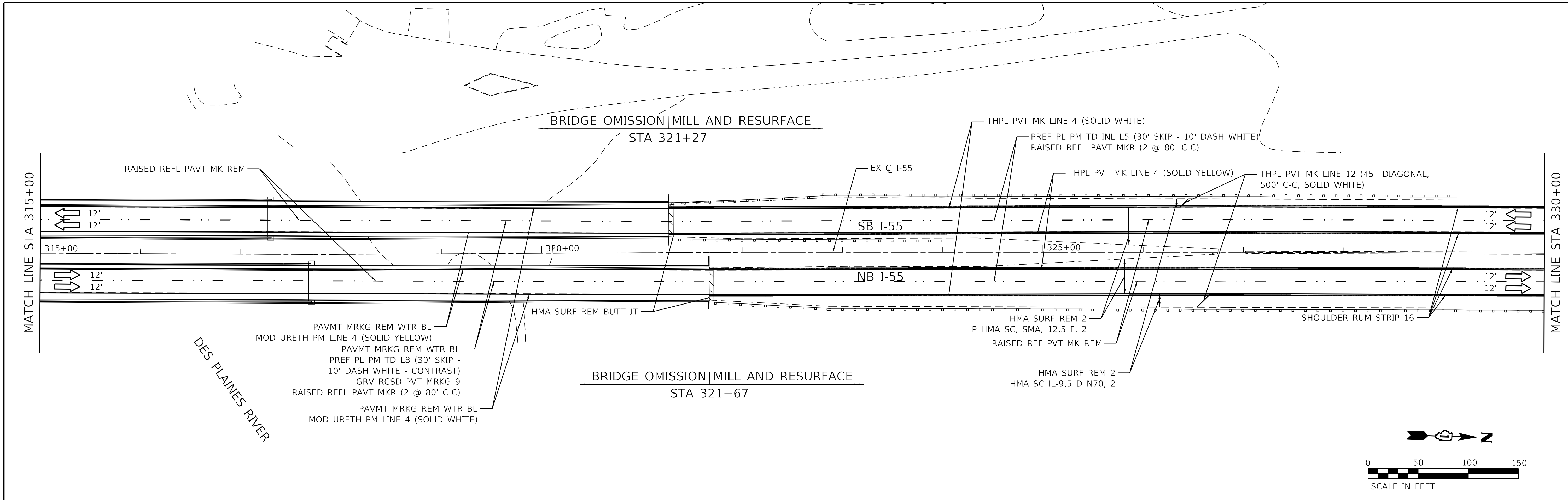
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

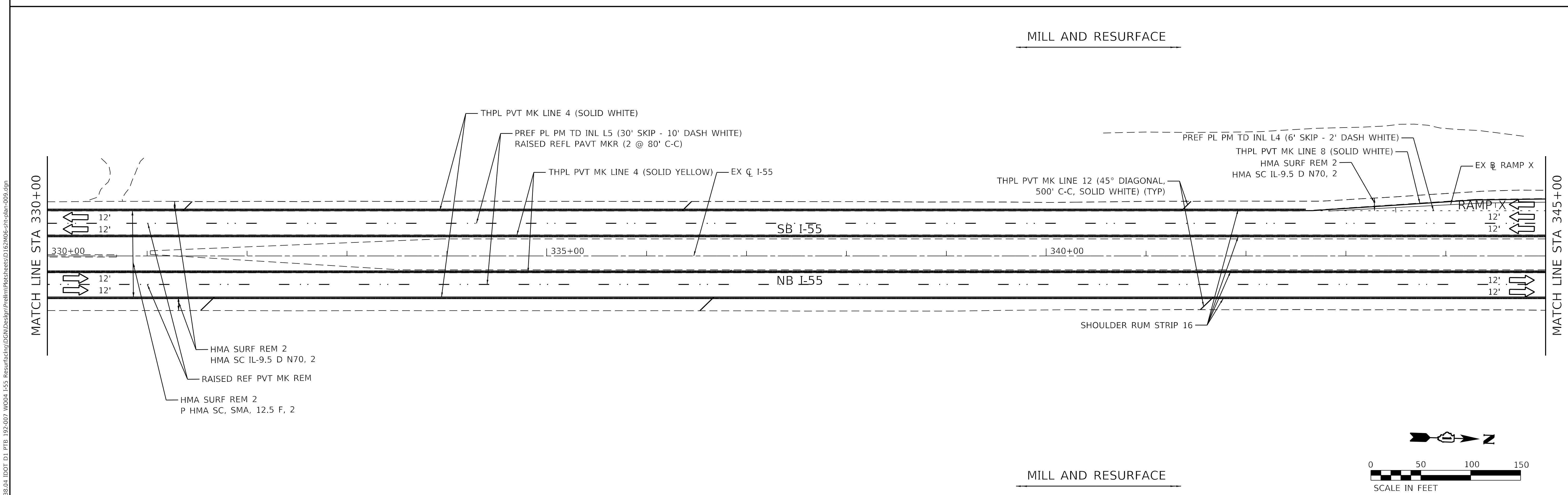
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	25

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT





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PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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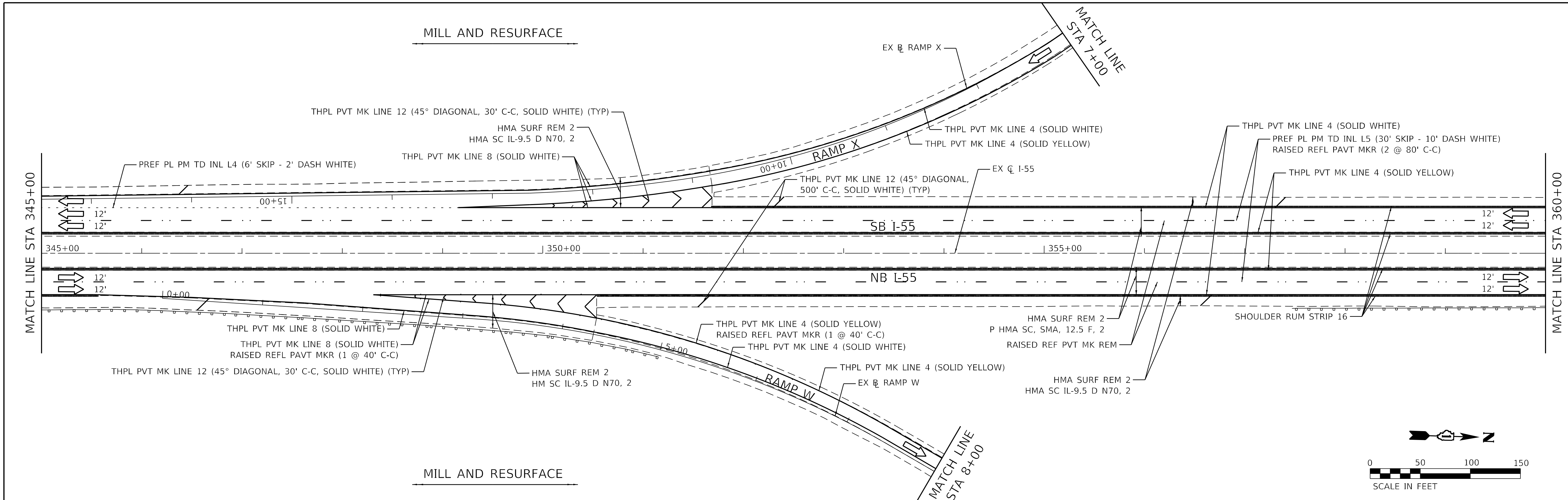
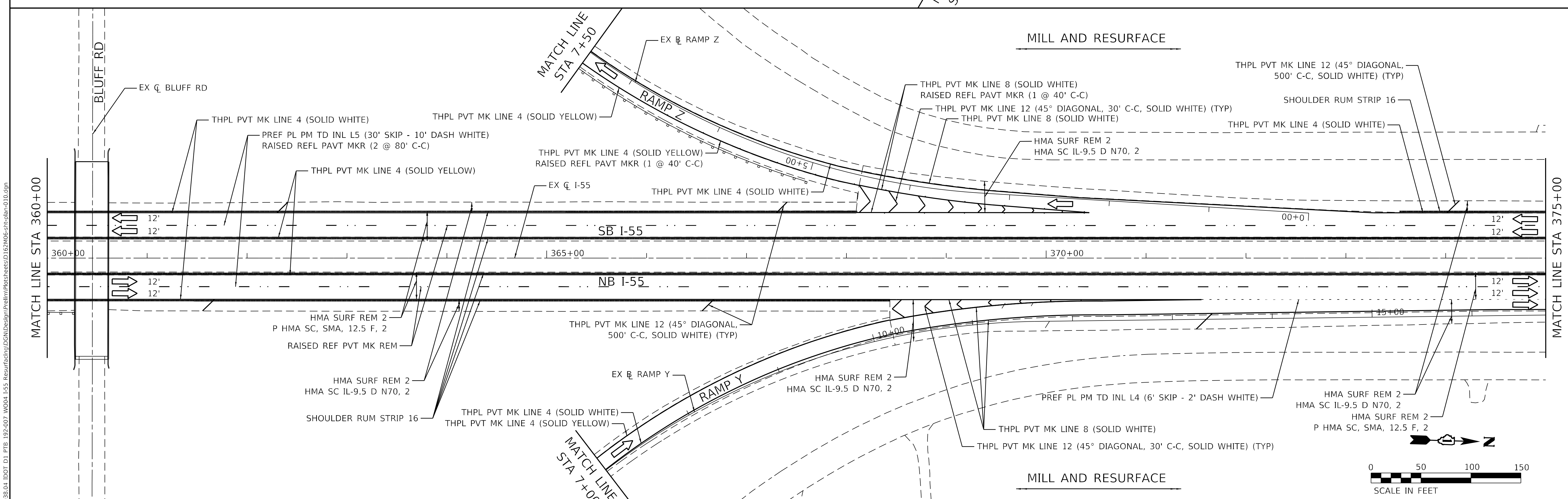
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		





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PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	27
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		

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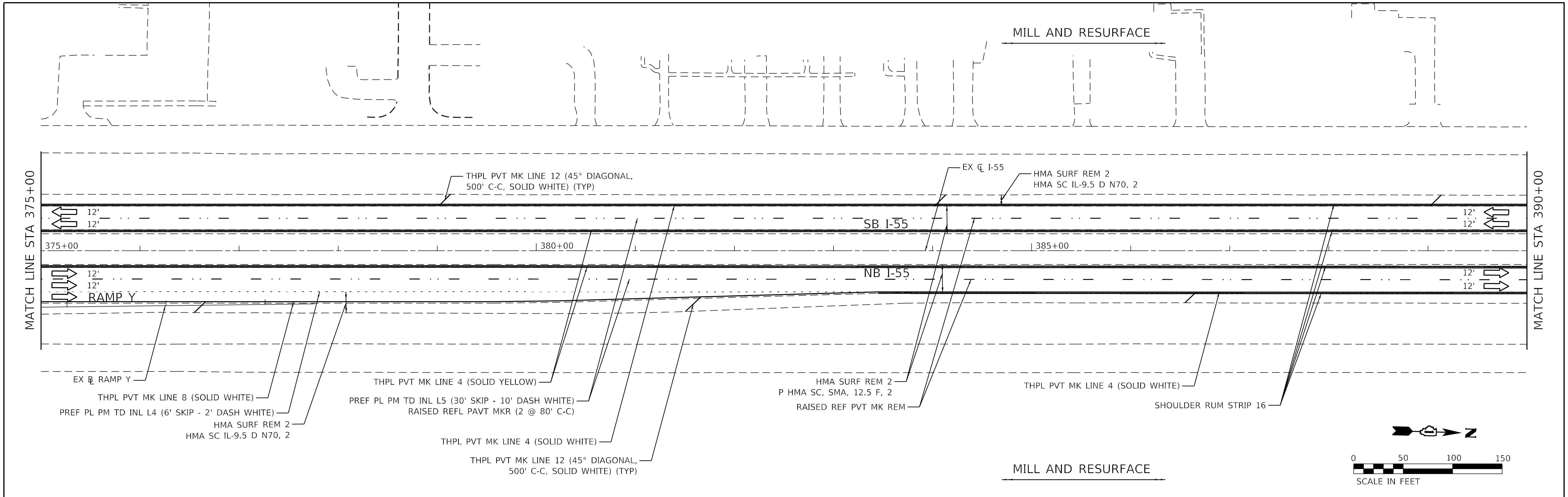

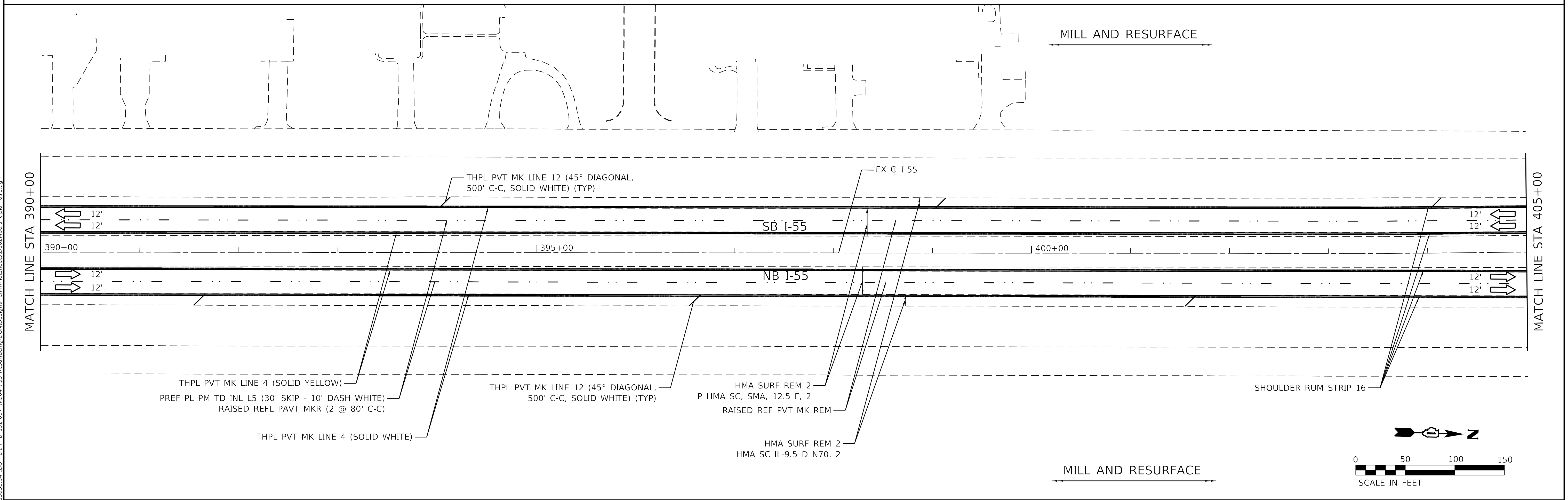

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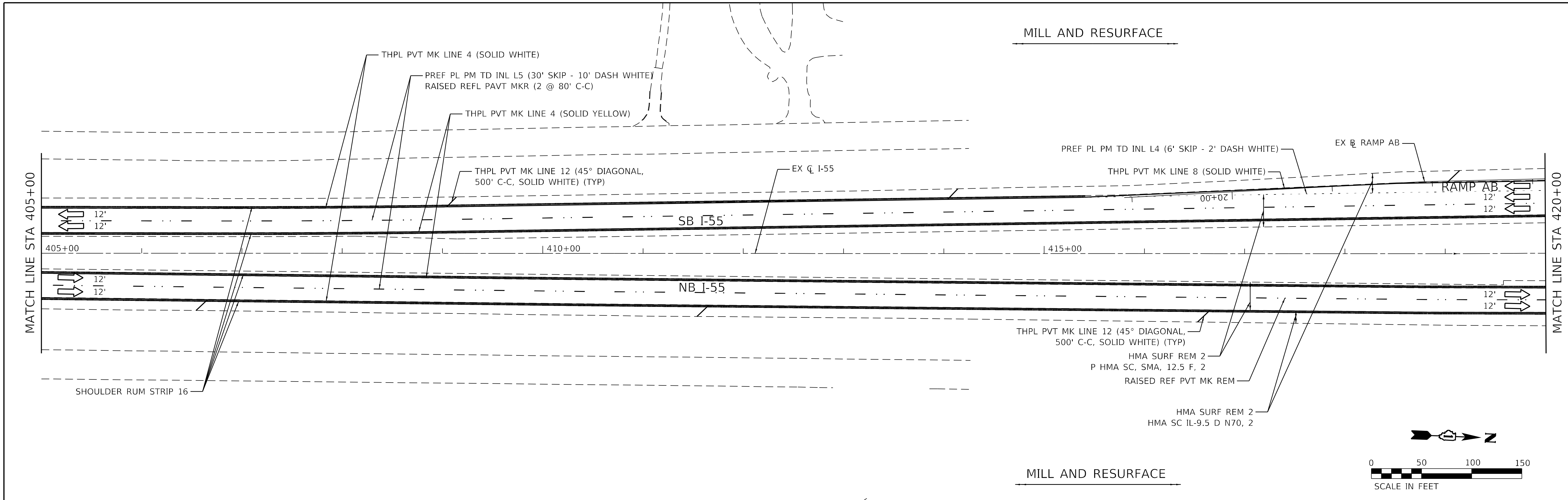
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

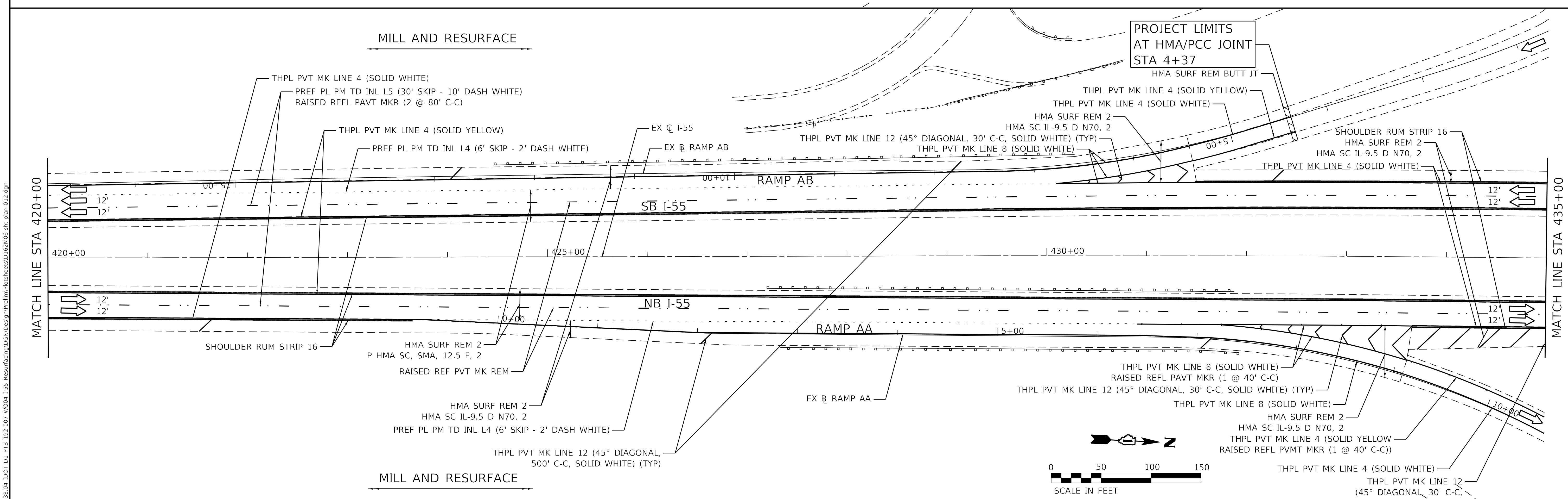
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	28
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		





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PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

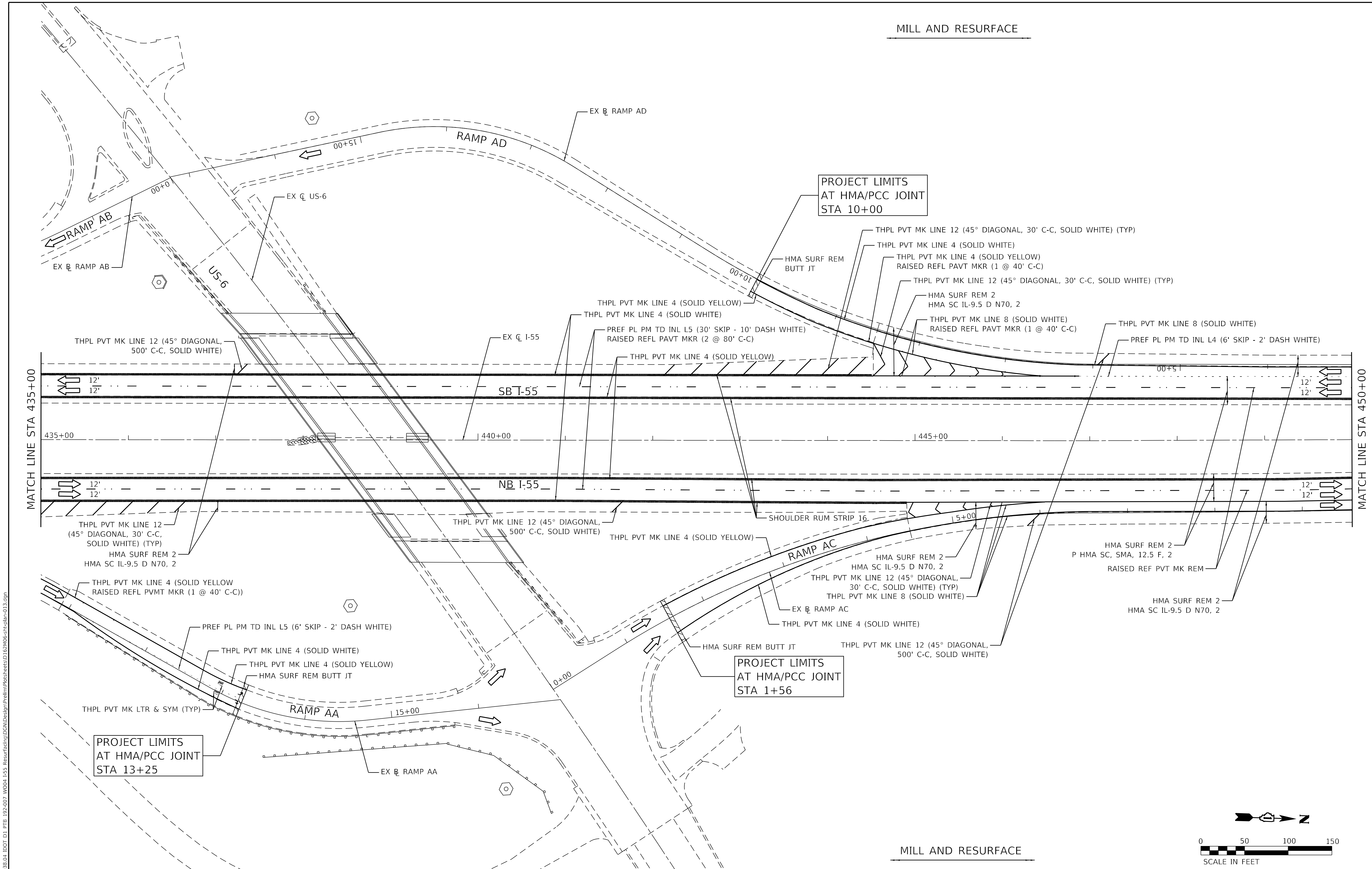
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	29

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT



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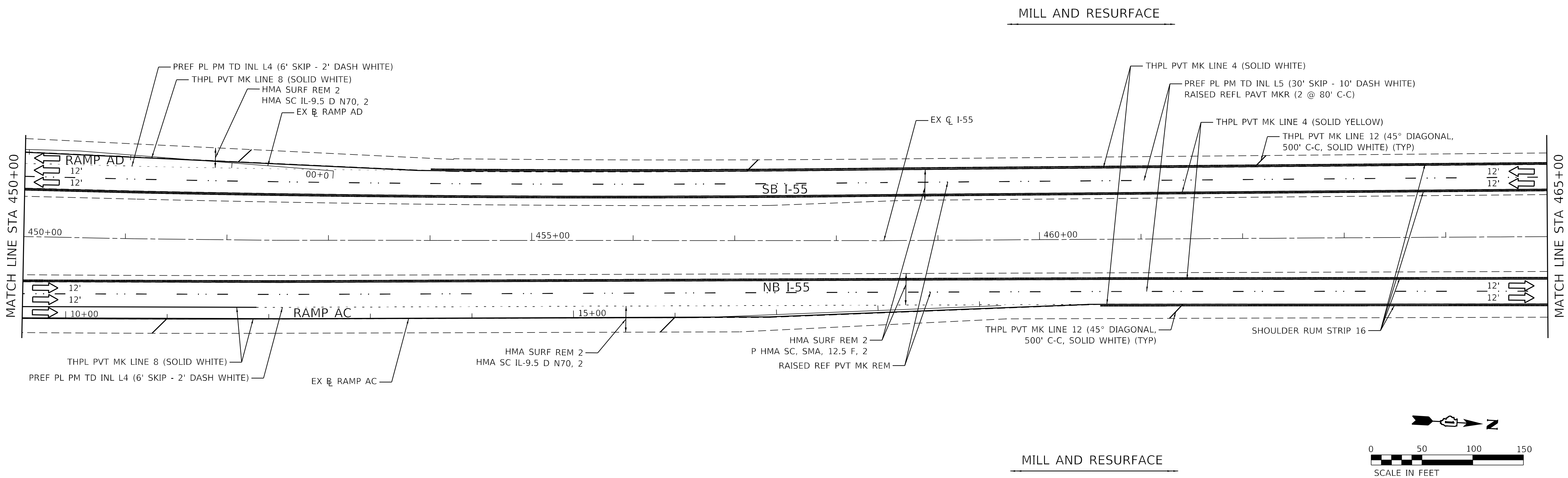
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

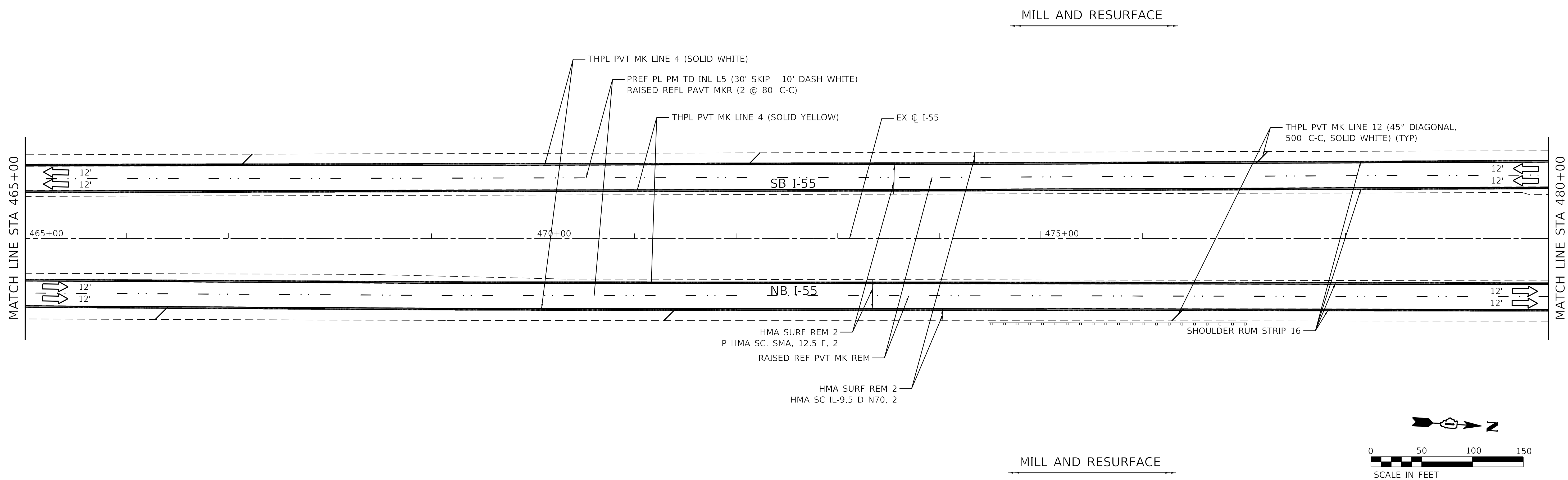
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	30
CONTRACT NO. 62M06				
ILLINOIS FED. AID PROJECT				





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

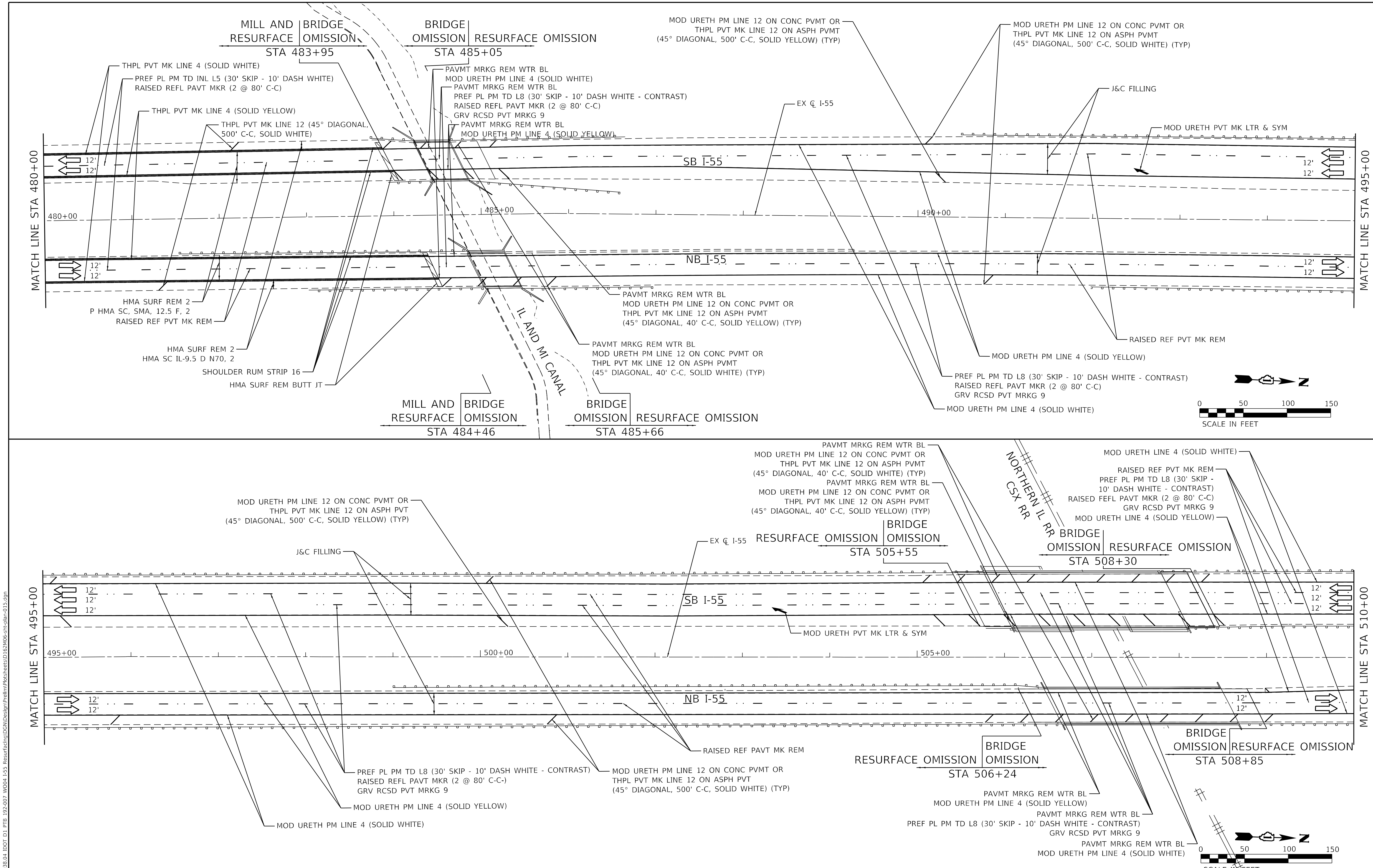
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	31

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

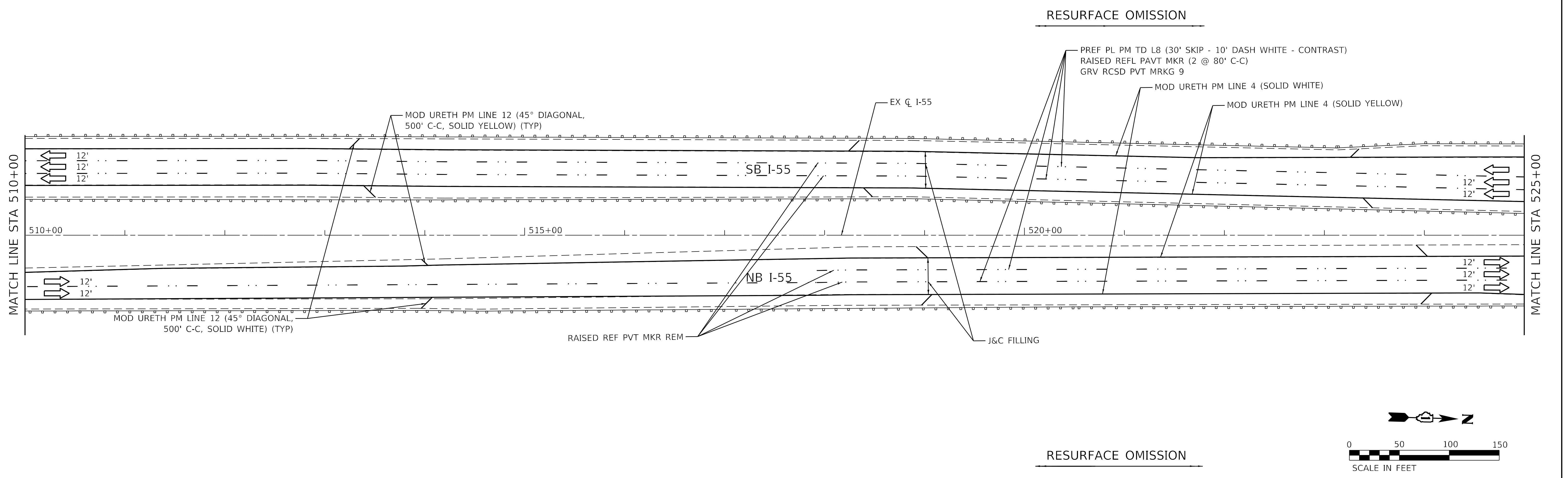
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	32

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

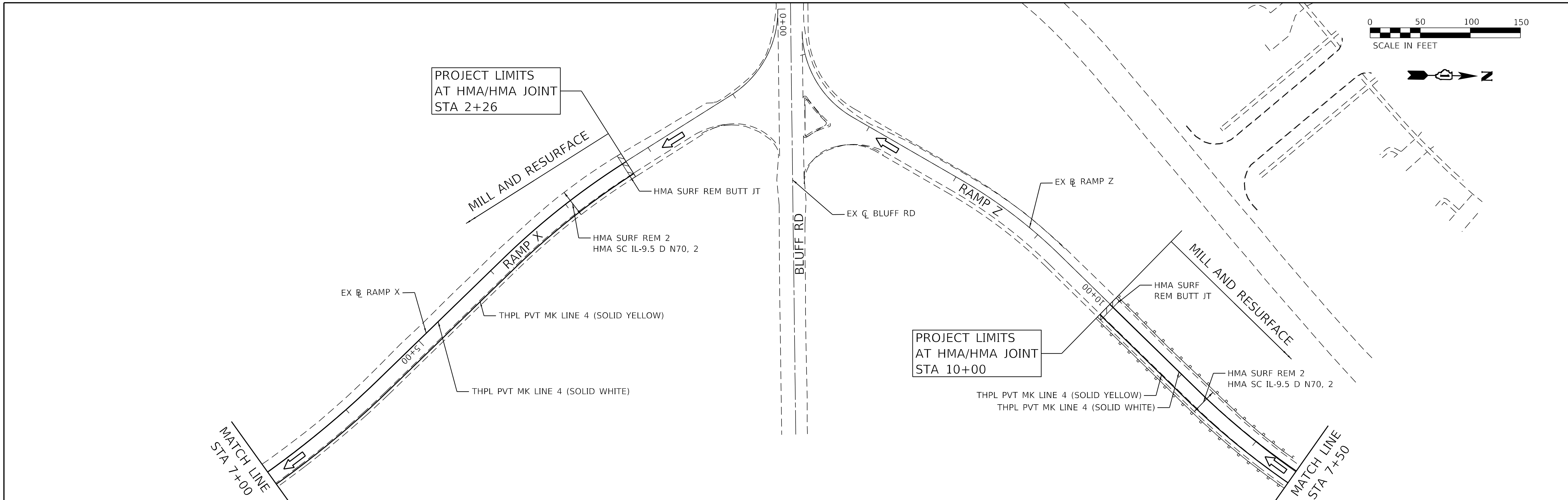
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

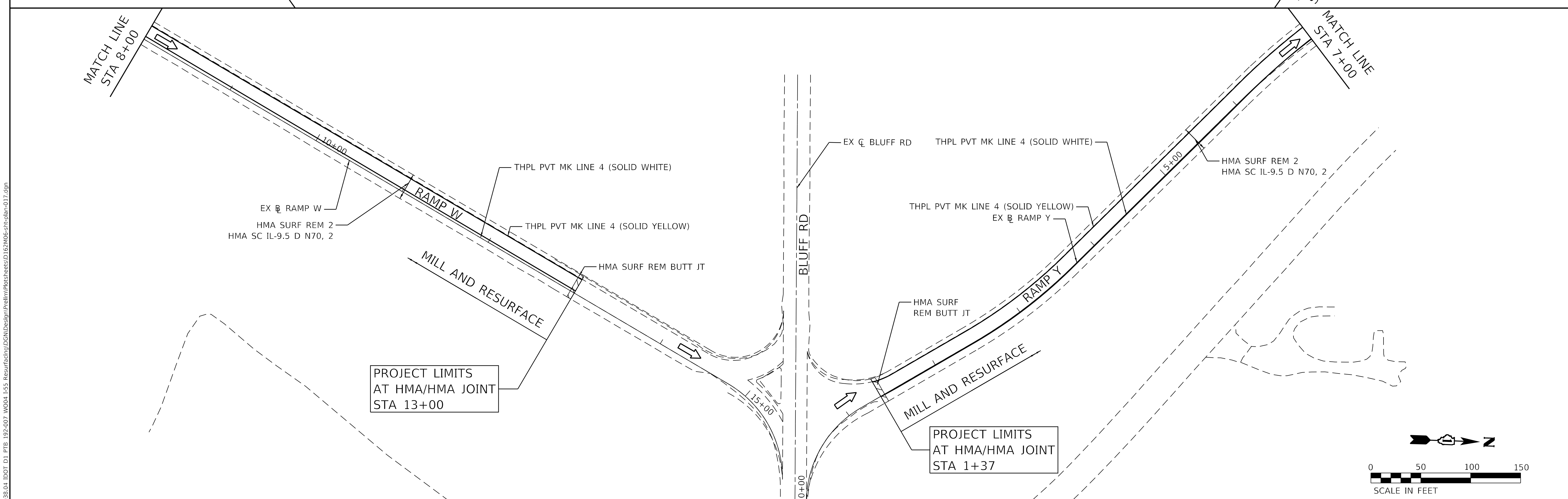
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	33

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT





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PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	34

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT

GENERAL NOTES:

1. THIS PROJECT INCLUDES THE REMOVAL OF EXISTING SURVEILLANCE EQUIPMENT IN THE PAVEMENT AS A RESULT OF ROADWAY WORK AND REPLACING THE EQUIPMENT WITH NEW SENSORS. AT SOME LOCATIONS ADDITIONAL EQUIPMENT IS ALSO REQUIRED AS INDICATED ON THE PLANS TO INTEGRATE WITH THE EXISTING SYSTEM.

2. THE EXISTING SURVEILLANCE SYSTEM IS OWNED AND MAINTAINED BY THE STATE OF ILLINOIS. PARTIAL MAINTENANCE OF THE SYSTEM SHALL BE TRANSFERRED TO THE CONTRACTOR PRIOR TO THE START OF ANY WORK.

3. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF THE EXISTING AND PROPOSED SURVEILLANCE EQUIPMENT IMPACTED BY THE WORK. COST IS INCLUDED IN MAINTAINING ITS DURING CONSTRUCTION PAY ITEM.

4. THE QUANTITIES OF RACEWAY WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

5. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT MEADE ELECTRIC DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES BY CALLING (773)-287-7672.

6. THE CONTRACTOR SHALL MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER.

7. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING DIGGING WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION ACTIVITIES.

8. THE CONTRACTOR SHALL TAKE CARE TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, PAVEMENT AND TREES INCLUDING THEIR ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AT NO ADDITIONAL COST AND THE REPAIRS SHALL BE TO THE SATISFACTION OF THE ENGINEER.

9. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".

10. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE ALL ELECTRICAL WORK.

11. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), LIFE SAFETY CODE (NFPA) 101, OSHA AND ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATION REQUIREMENTS.

12. THE CONTRACTOR SHALL COORDINATE WITH SENSYS NETWORKS FOR TECHNICAL SUPPORT TO ENSURE THAT THE PROPOSED SYSTEM IS INTEGRATED WITH THE EXISTING SENSYS SERVERS IN OAK PARK.

13. THE WIRELESS VEHICLE DETECTION SENSOR - PAY ITEM: WIRELESS IN PAVEMENT DETECTOR (X1400337) SHALL INCLUDE SENSYS PRODUCTS VSN240-F-2 AND VSN240-EPX-SOT-01.

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	255
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	6
X0326812	CAT 5 ETHERNET CABLE	FOOT	255
X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	6
X1400106	WIRELESS VEHICLE DETECTION SYSTEM	EACH	10
X1400211	LIGHT POLE, SPECIAL, 30'	EACH	6
X1400337	WIRELESS IN PAVEMENT DETECTOR	EACH	144
	WIRELESS VEHICLE DETECTION SOLAR REPEATER	EACH	4

LEGEND

■ WIRELESS VEHICLE DETECTION SENSOR

○ PROPOSED LIGHT POLE, SPECIAL, 30 FT. WITH RADIO OR REPEATER INSTALLED PER PLAN

E EXISTING LIGHTING UNIT WITH RADIO OR REPEATER INSTALLED PER PLAN

EXISTING SURVEILLANCE CABINET

2" DIA. GALVANIZED STEEL CONDUIT WITH OUTDOOR RATED CAT5E CABLE

ITS-01

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-GenNote-001.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeitche	DESIGNED - BL/MS	REVISED -
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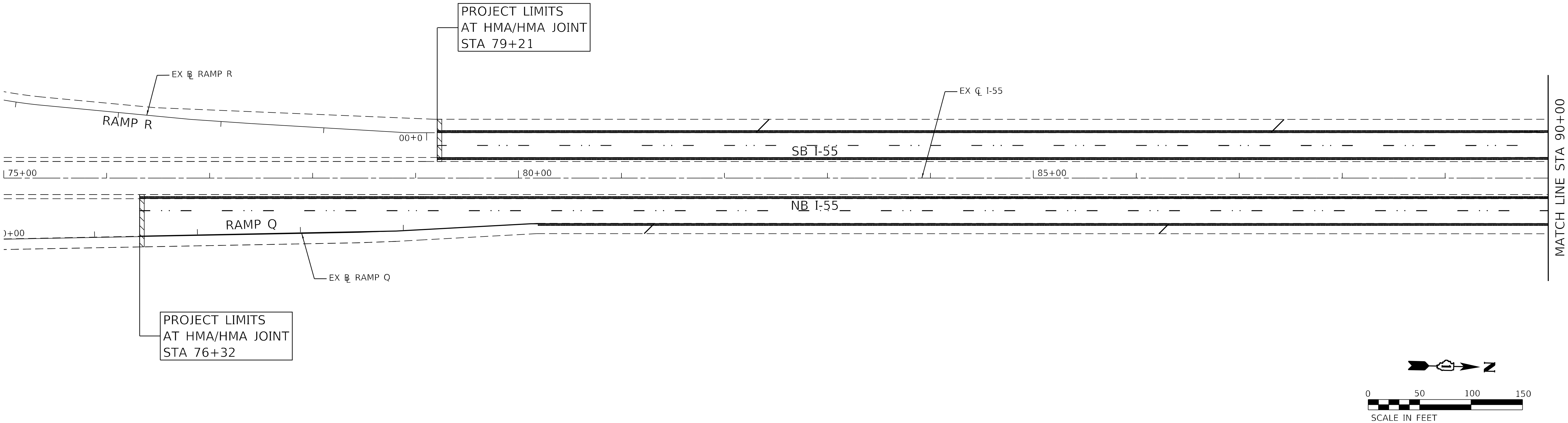
	PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, BILL OF MATERIALS AND LEGEND
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

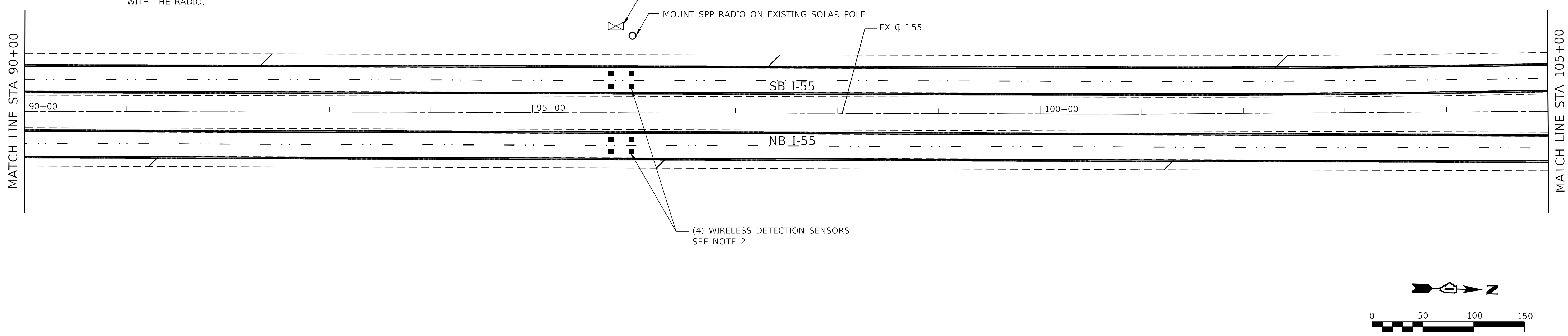
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	35
		CONTRACT NO. 62M06		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.



ITS-02

MODEL: $MODELNAME$
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		DRAWN - MD	REVISED -		
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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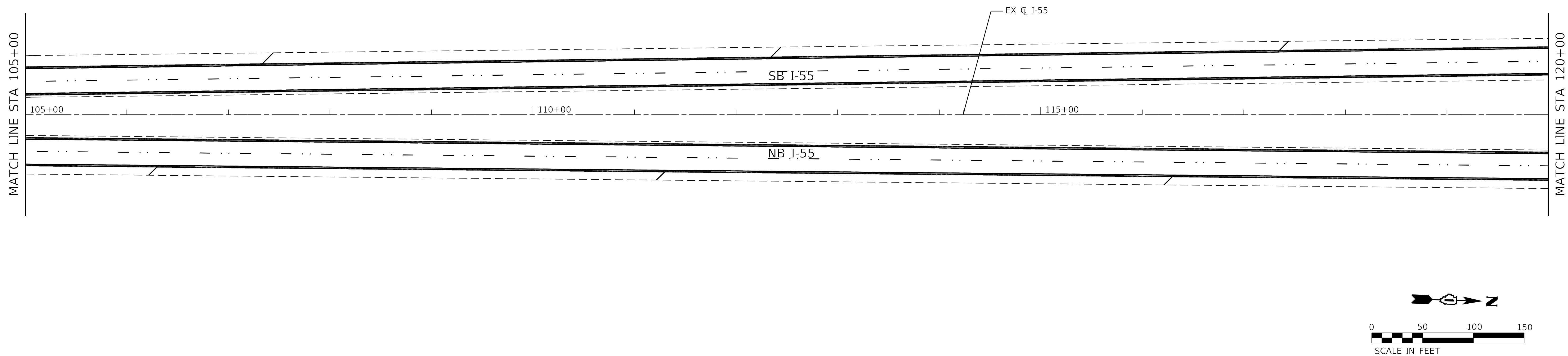
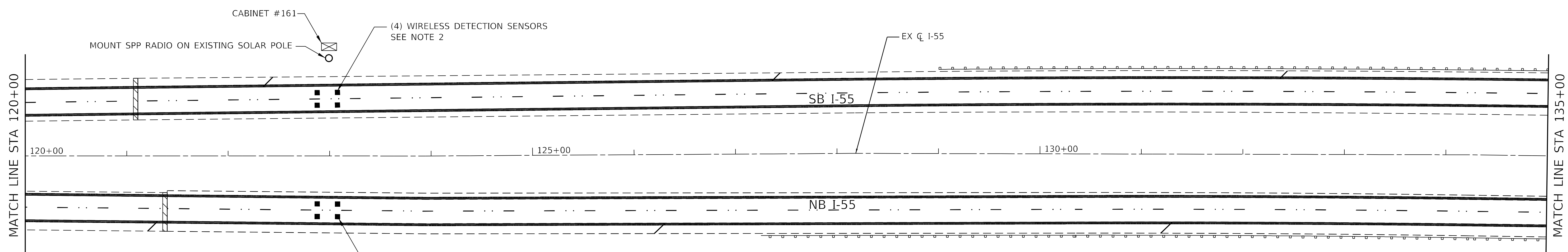
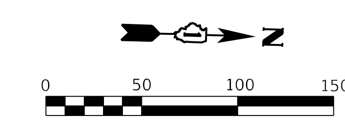
		ILLINOIS FED. AID PROJECT		





NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.
5. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO AND REPEATER.



ITS-03

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-002.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

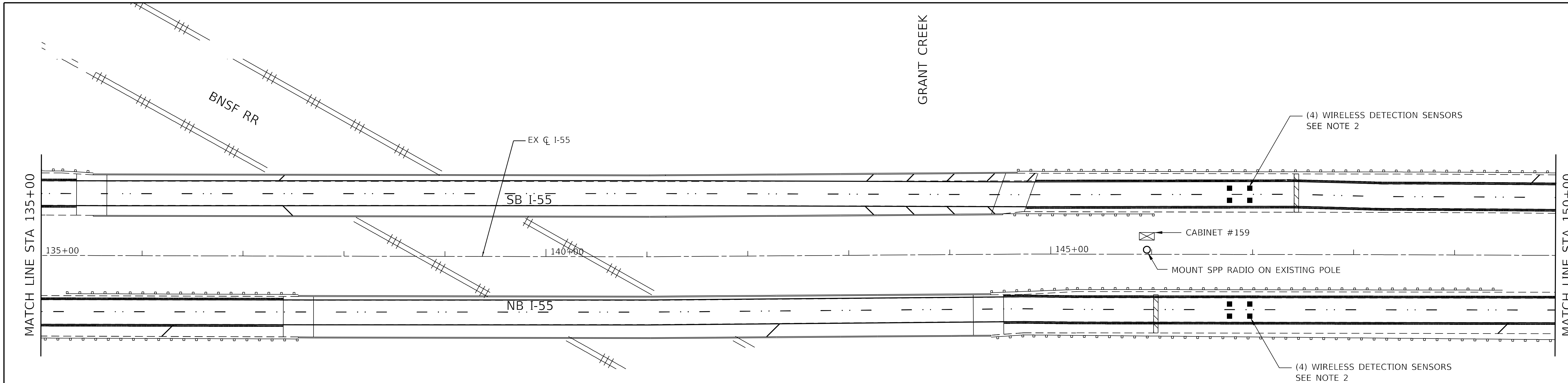
ITS SURVEILLANCE PLAN
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	37

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT



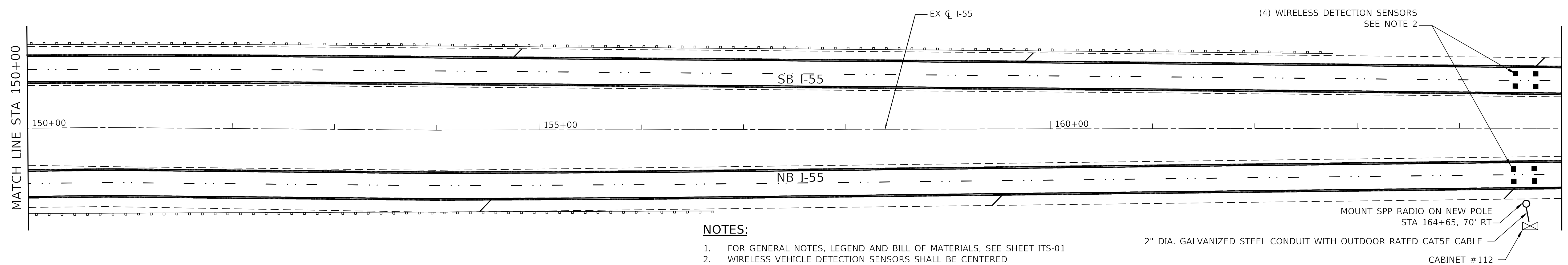
NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.

N

0 50 100 150

SCALE IN FEET



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.

N

0 50 100 150

SCALE IN FEET

ITS-04

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-003.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

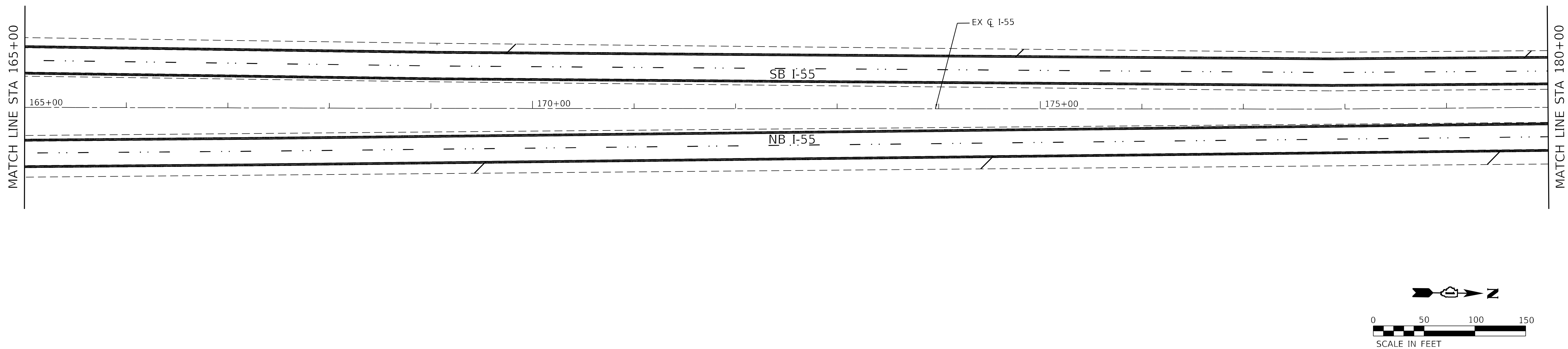
ITS SURVEILLANCE PLAN
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

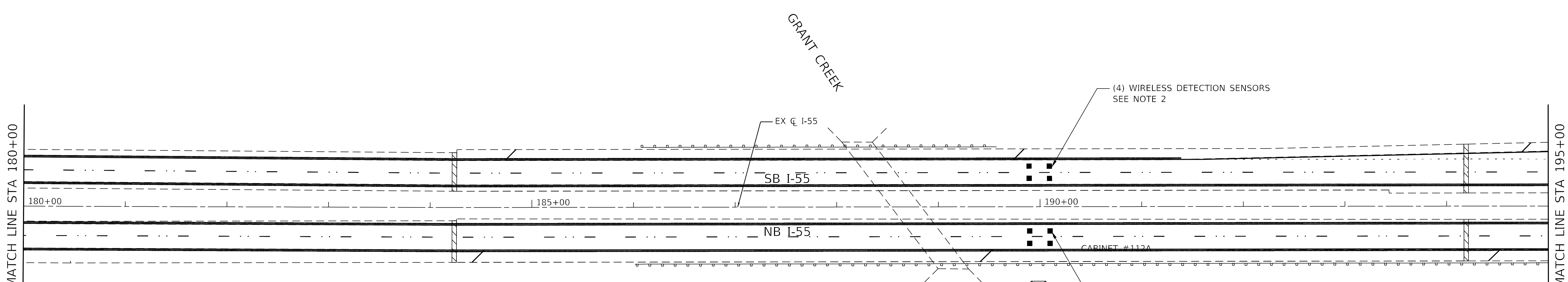
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	38

CONTRACT NO. 62M06

ILLINOIS FED. AID PROJECT





NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

N

0 50 100 150

SCALE IN FEET

ITS-05

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-004.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

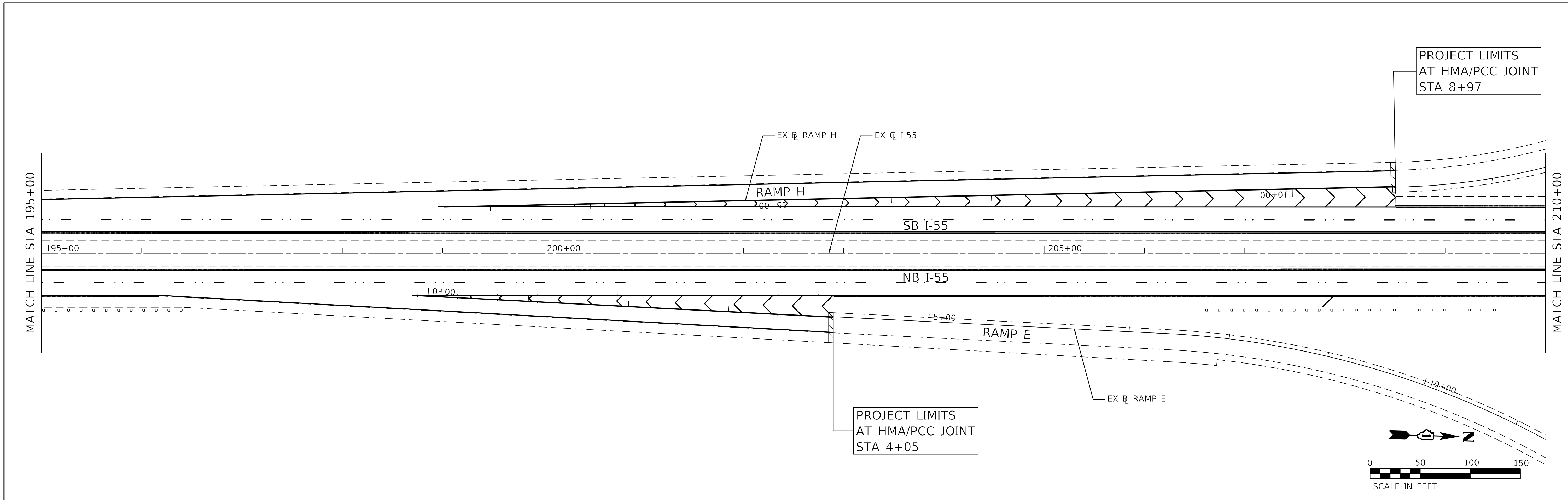
USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

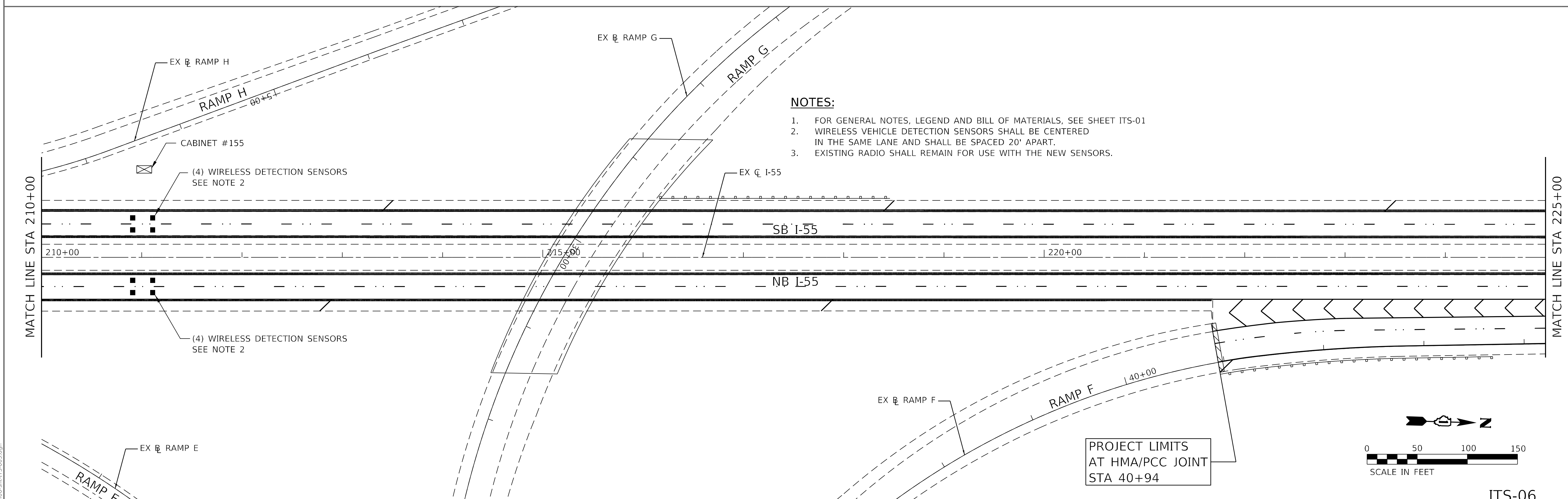
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS SURVEILLANCE PLAN
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	39
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		

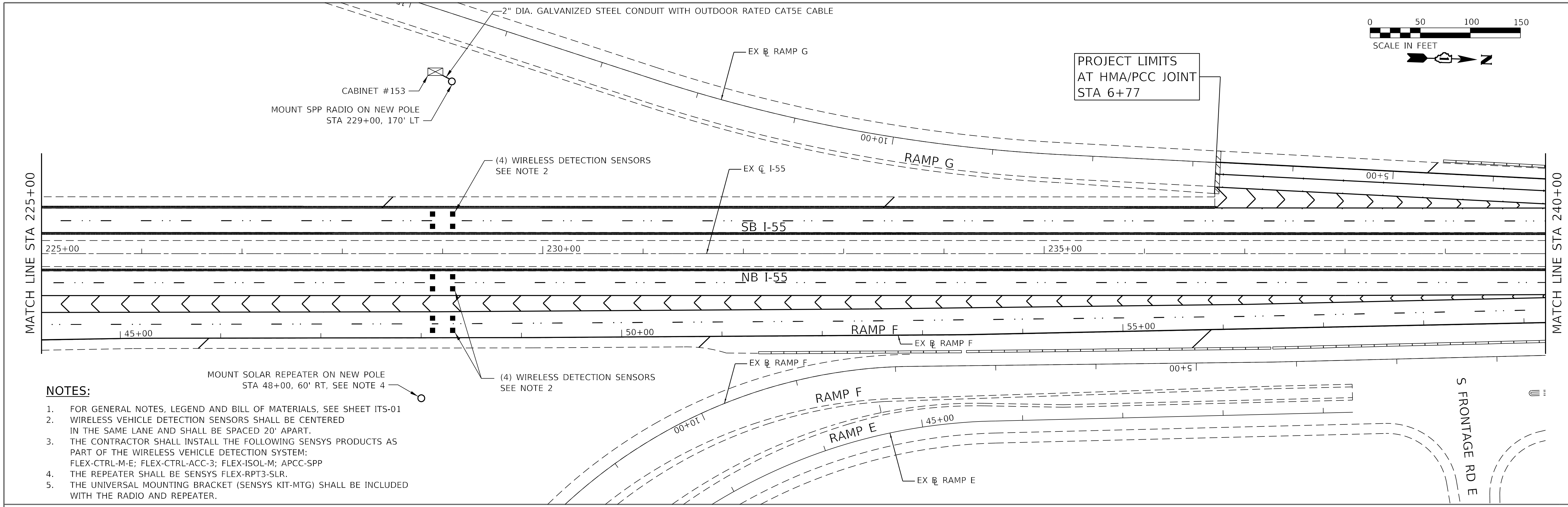




NOTES:

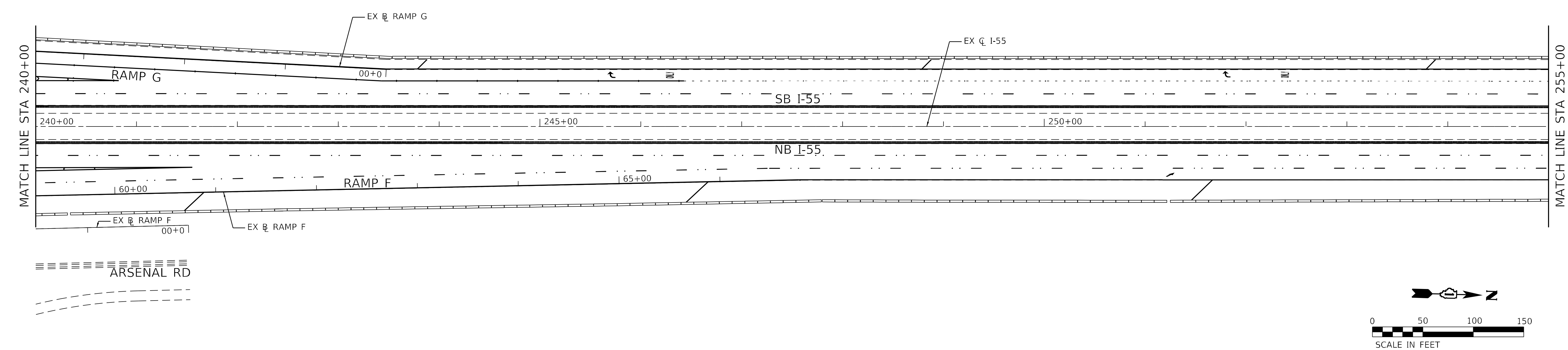
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

ITS-06



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.
5. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO AND REPEATER.



ITS-07

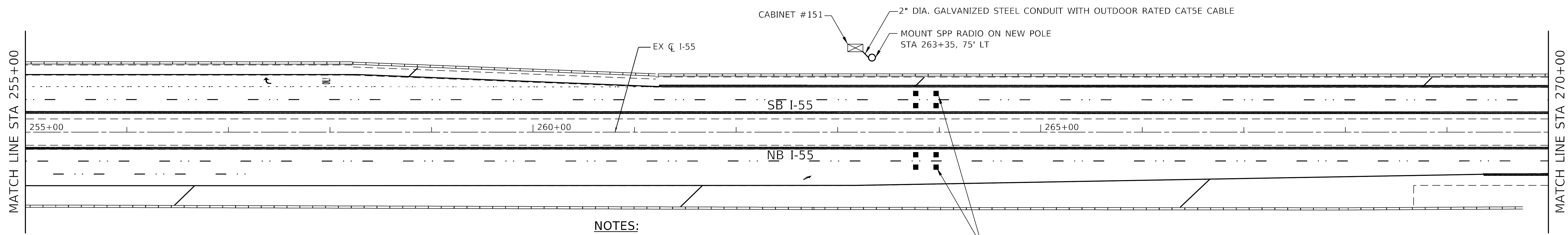
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - MD	REVISED -	
	PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
	PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

ITS SURVEILLANCE PLAN
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	41
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-006.dgn

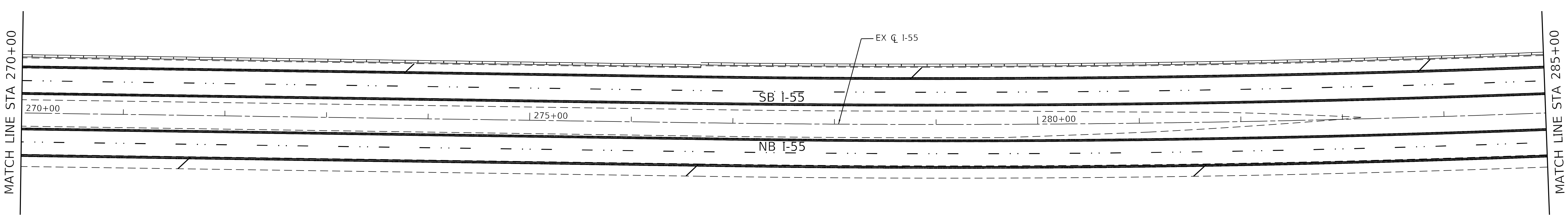


NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.

N

0 50 100 150
SCALE IN FEET



N

0 50 100 150
SCALE IN FEET

ITS-08

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-007.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

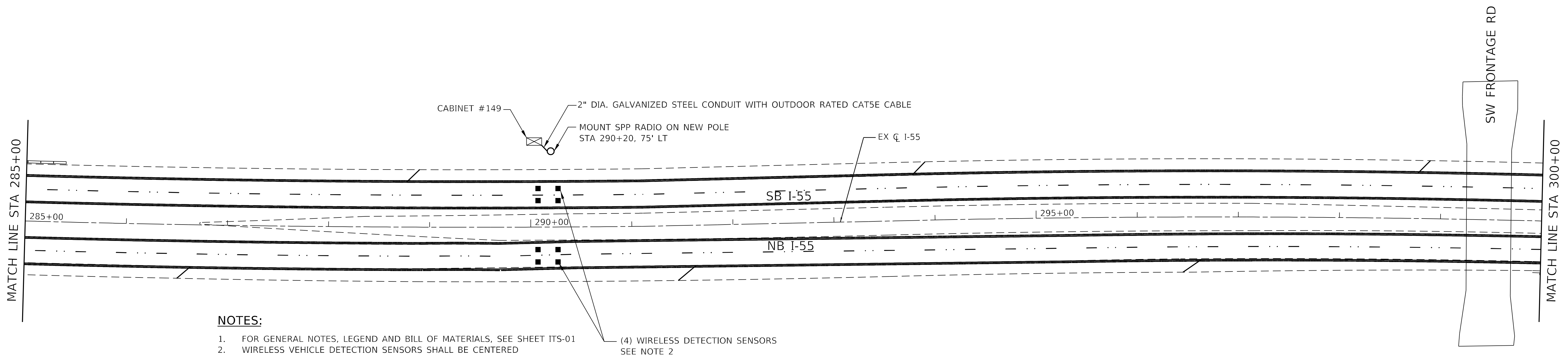
USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS SURVEILLANCE PLAN
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

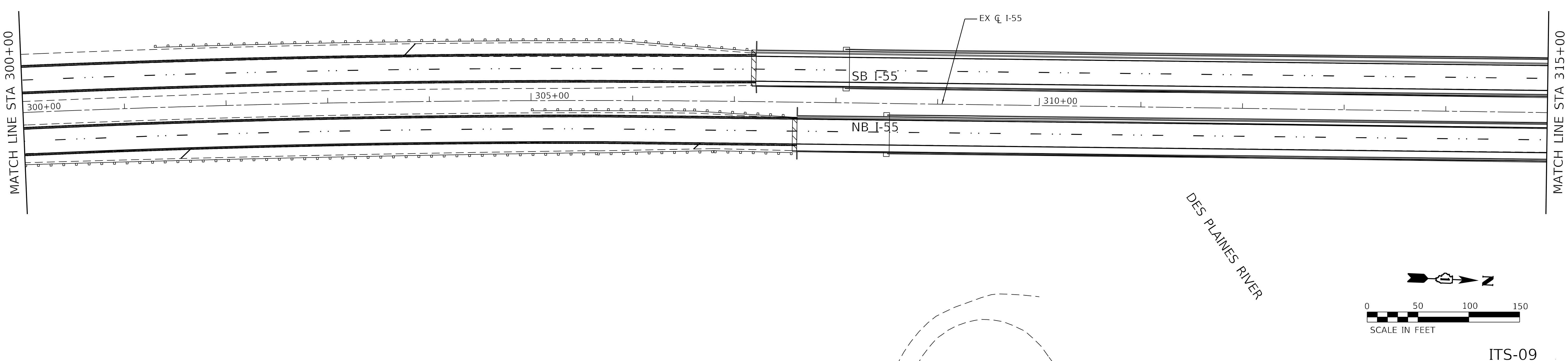
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	42
		CONTRACT NO. 62M06		
		ILLINOIS	FED. AID PROJECT	

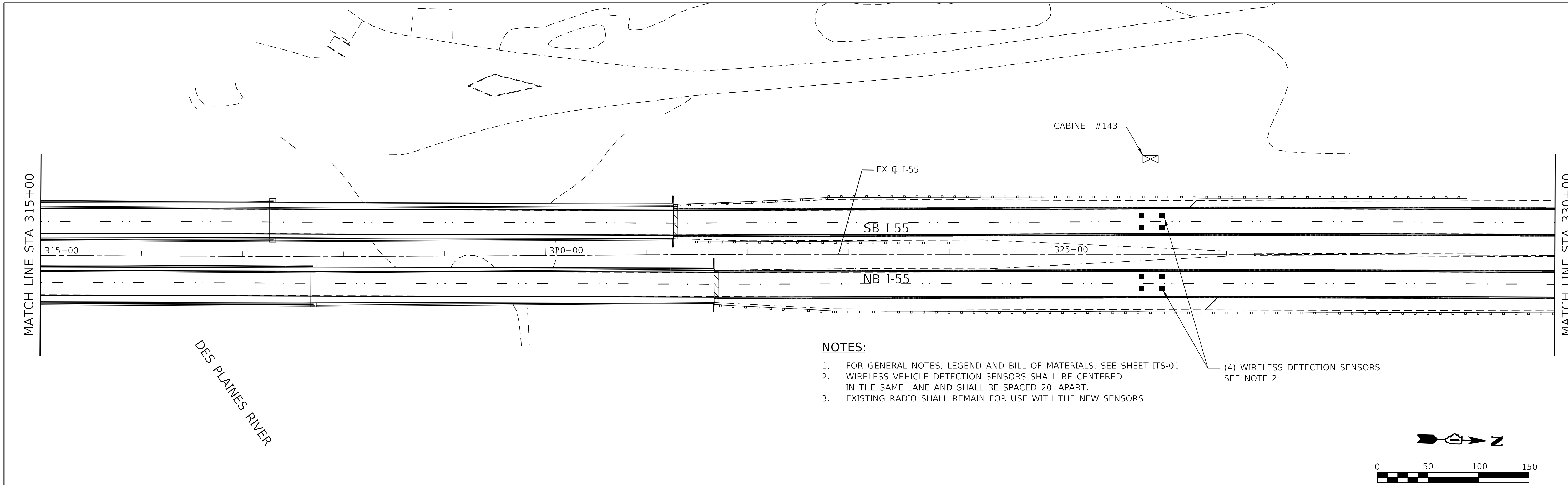


NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.

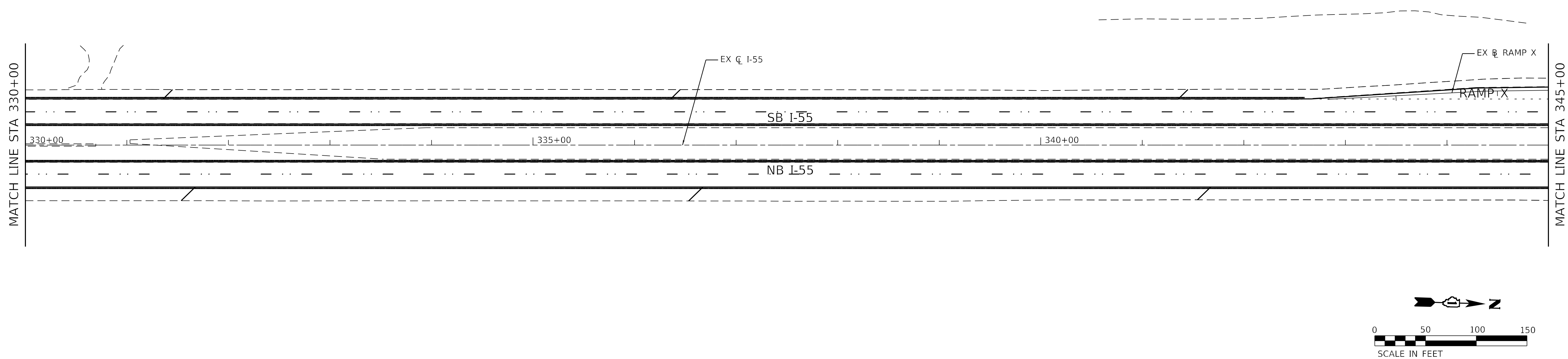


ITS-09



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

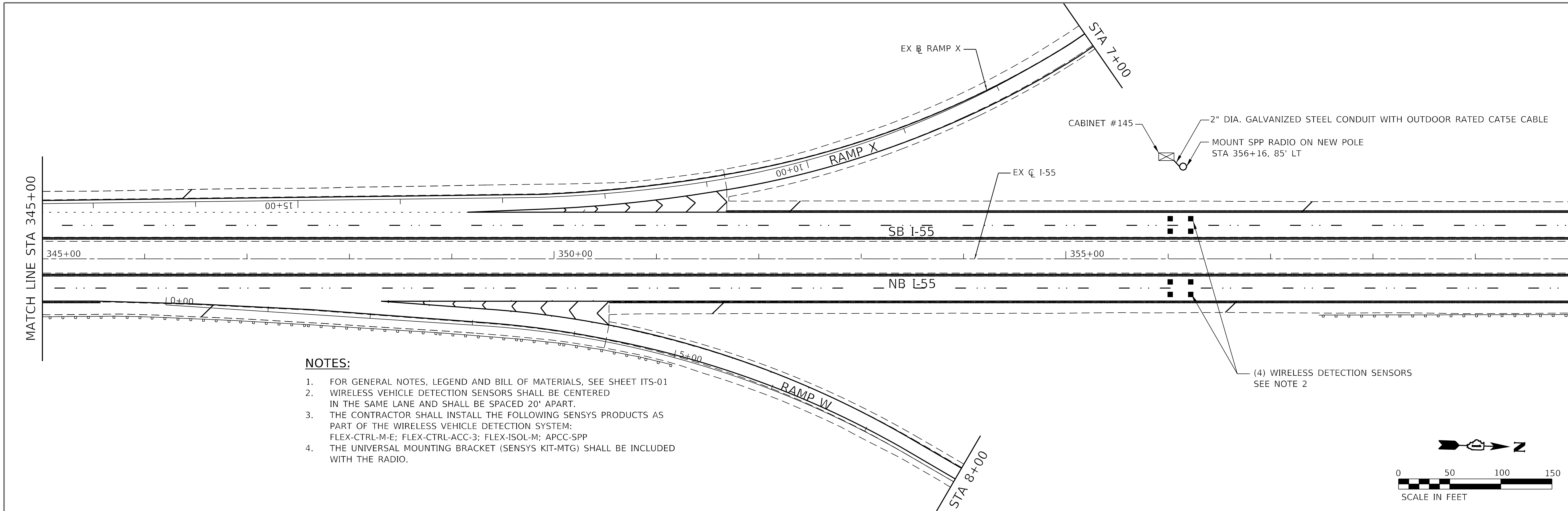


ITS-10

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-009.dgn

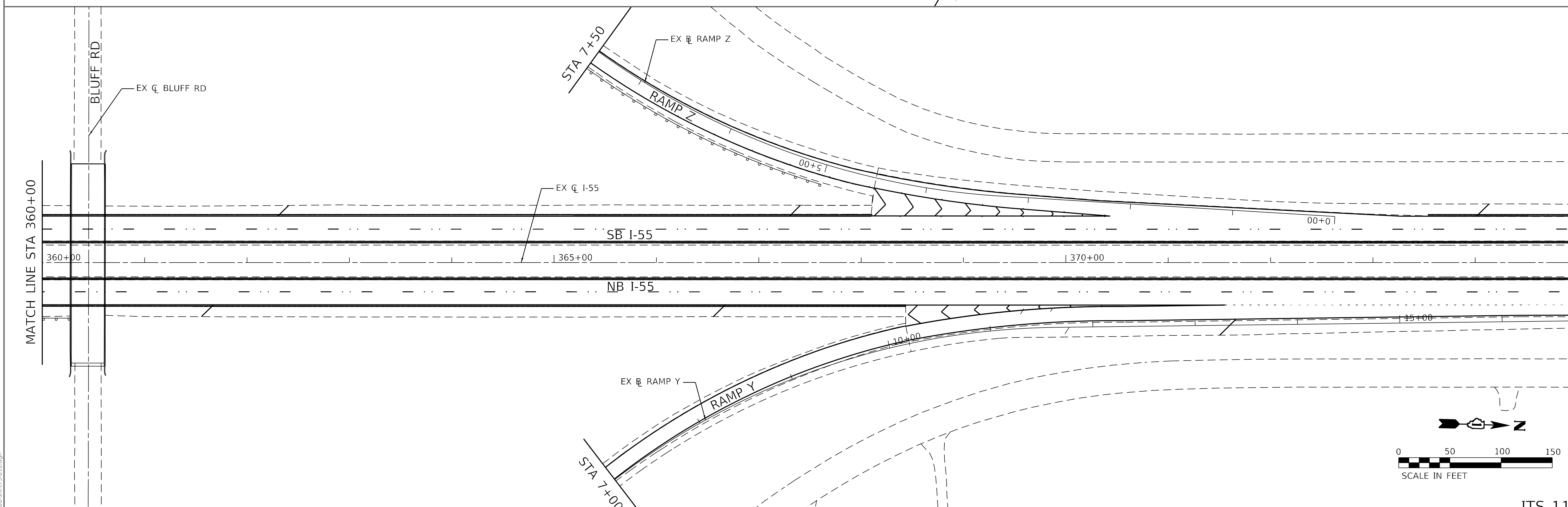
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS SURVEILLANCE PLAN I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
		DRAWN - MD	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
	PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	44
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.



ITS-11

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdeitche	DESIGNED - BL/MS	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

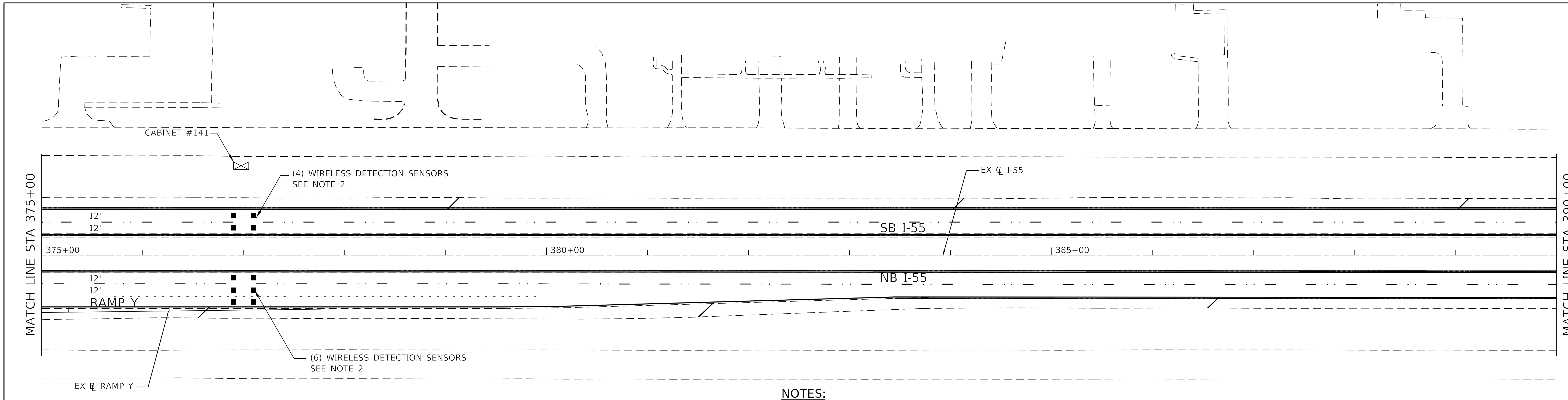
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS SURVEILLANCE PLAN
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	45
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-010.dgn



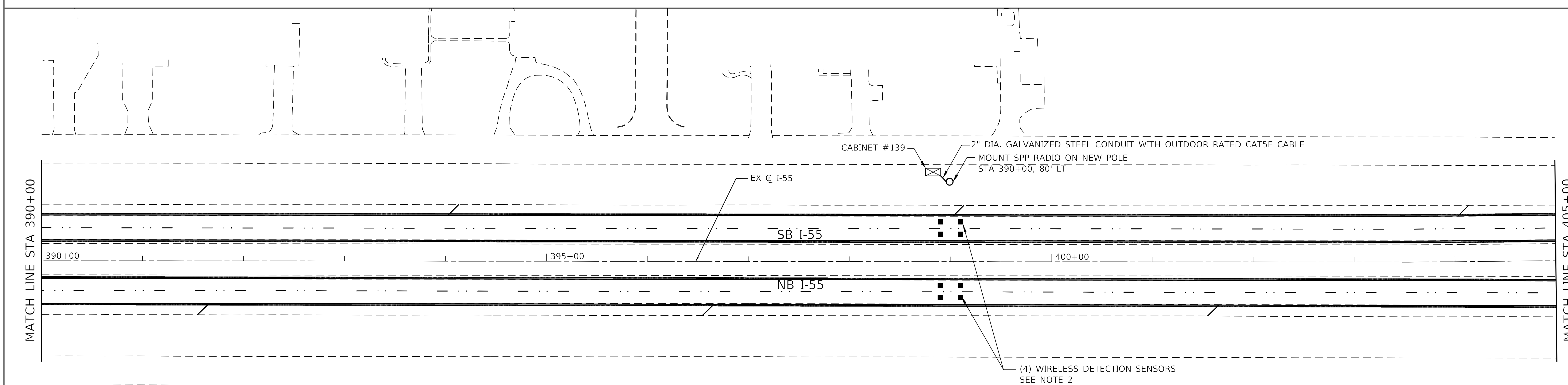
NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

N

0 50 100 150

SCALE IN FEET



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.

N

0 50 100 150

SCALE IN FEET

ITS-12

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-011.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

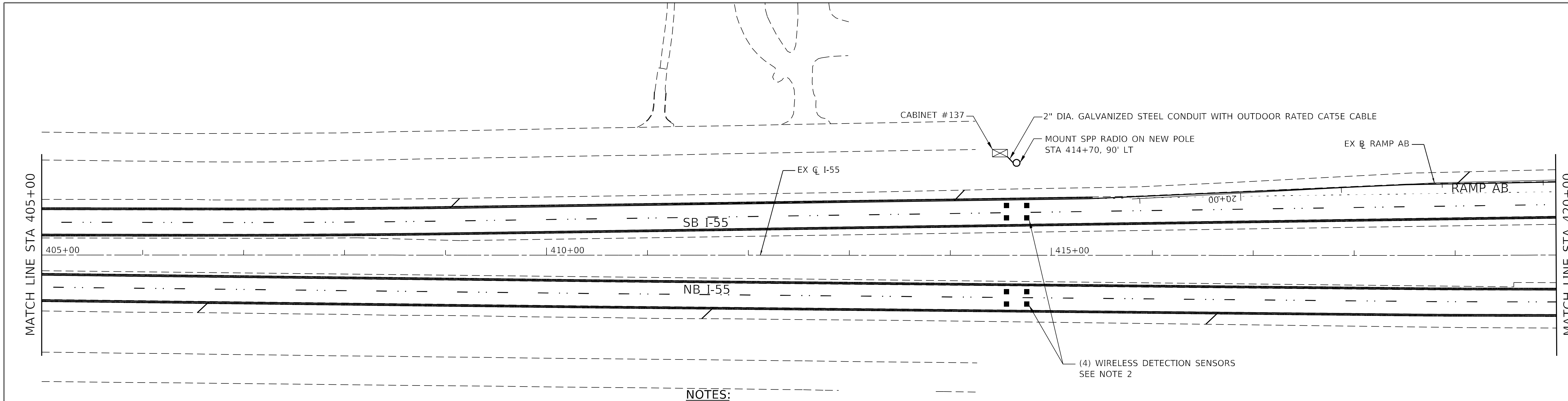
USER NAME = mdeitche	DESIGNED - BL/MS	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS SURVEILLANCE PLAN
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	46
		CONTRACT NO. 62M06		
	ILLINOIS	FED. AID PROJECT		

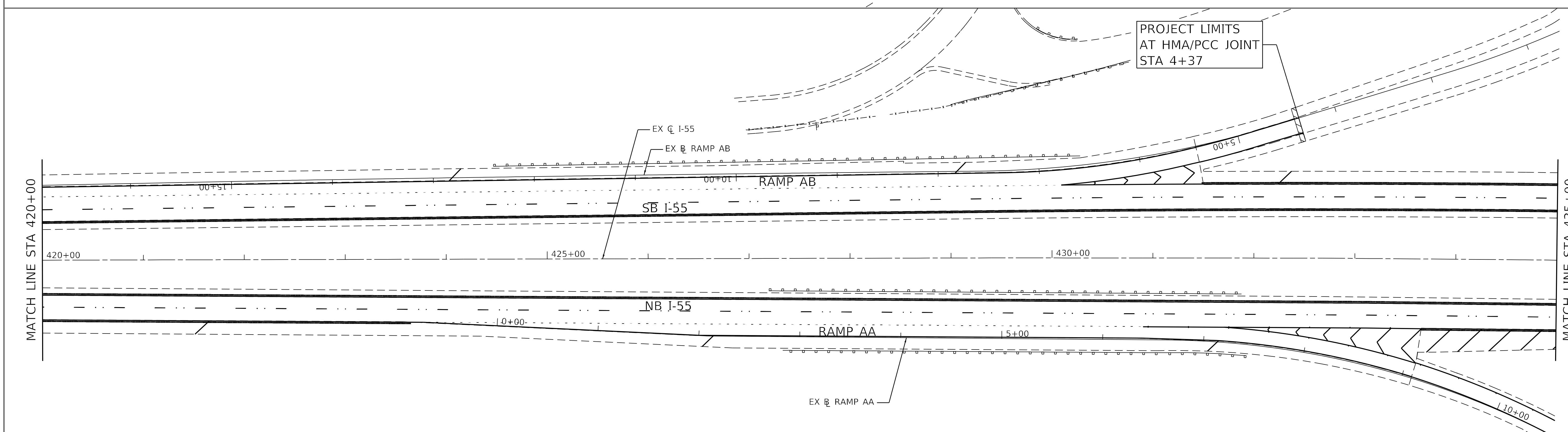


NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO.

N

0 50 100 150
SCALE IN FEET



N

0 50 100 150
SCALE IN FEET

ITS-13

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-012.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	
	DRAWN - MD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

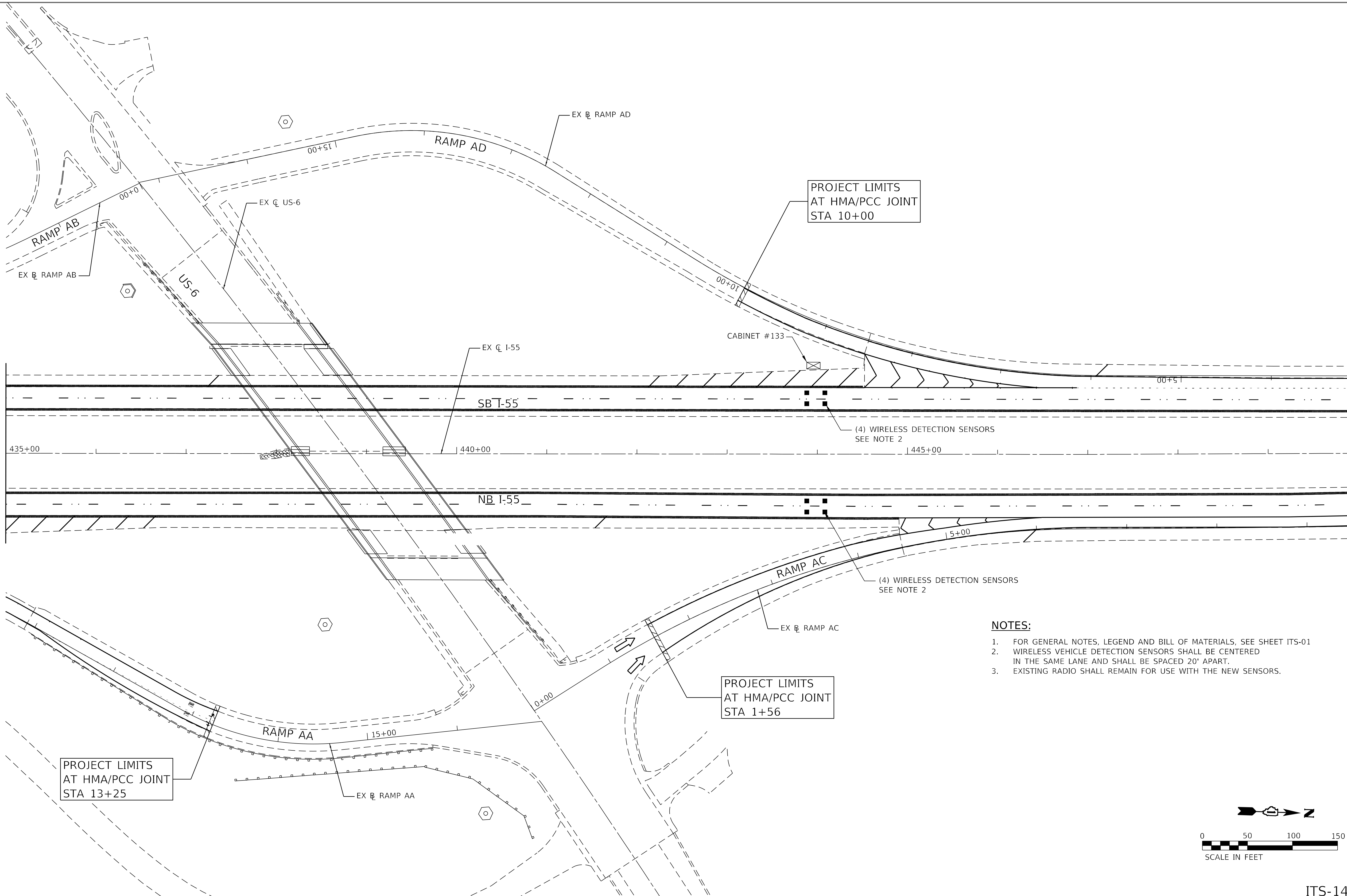
ITS SURVEILLANCE PLAN
I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	47

CONTRACT NO. 62M06

ILLINOIS FED. AID PROJECT



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

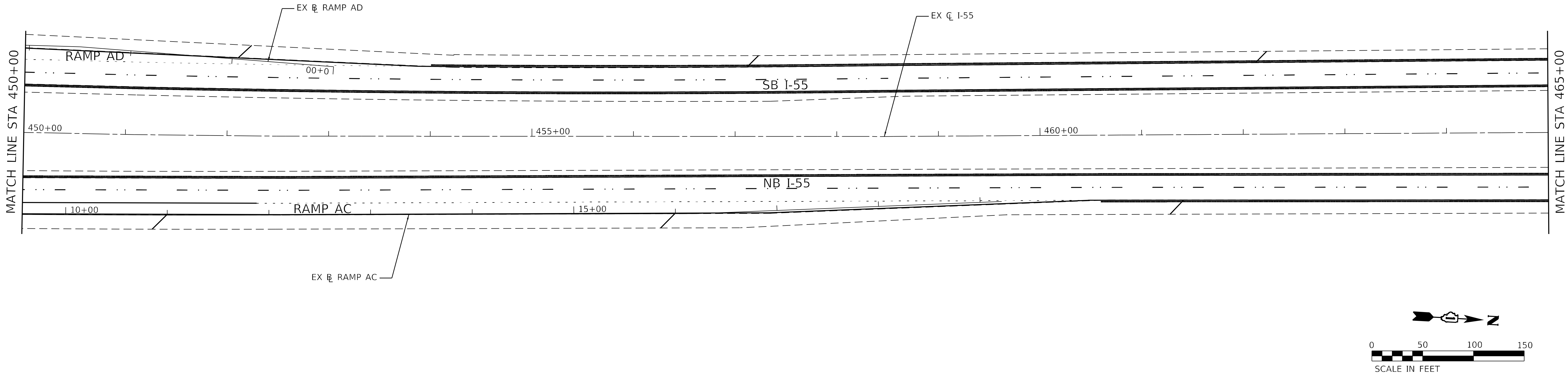
N

0 50 100 150
SCALE IN FEET

ITS-14

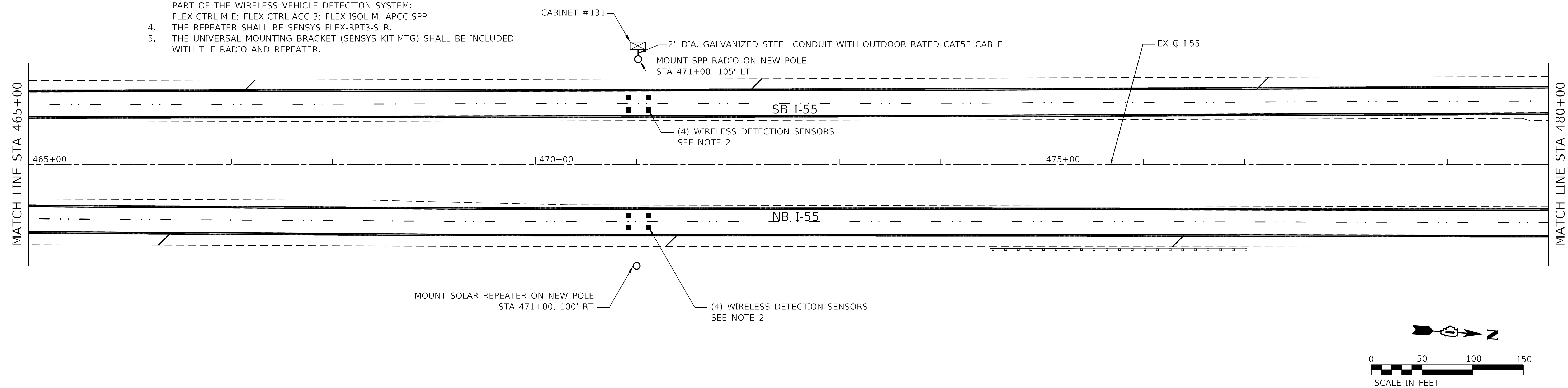
MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-013.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeitche	DESIGNED - BL/MS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS SURVEILLANCE PLAN I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MD	REVISED -			55	2020-128-RS	WILL	78	48
	PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -					CONTRACT NO. 62M06		
	PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -		SCALE: / SHEET OF SHEETS / STA. TO STA.			ILLINOIS	FED. AID PROJECT	



NOTES:

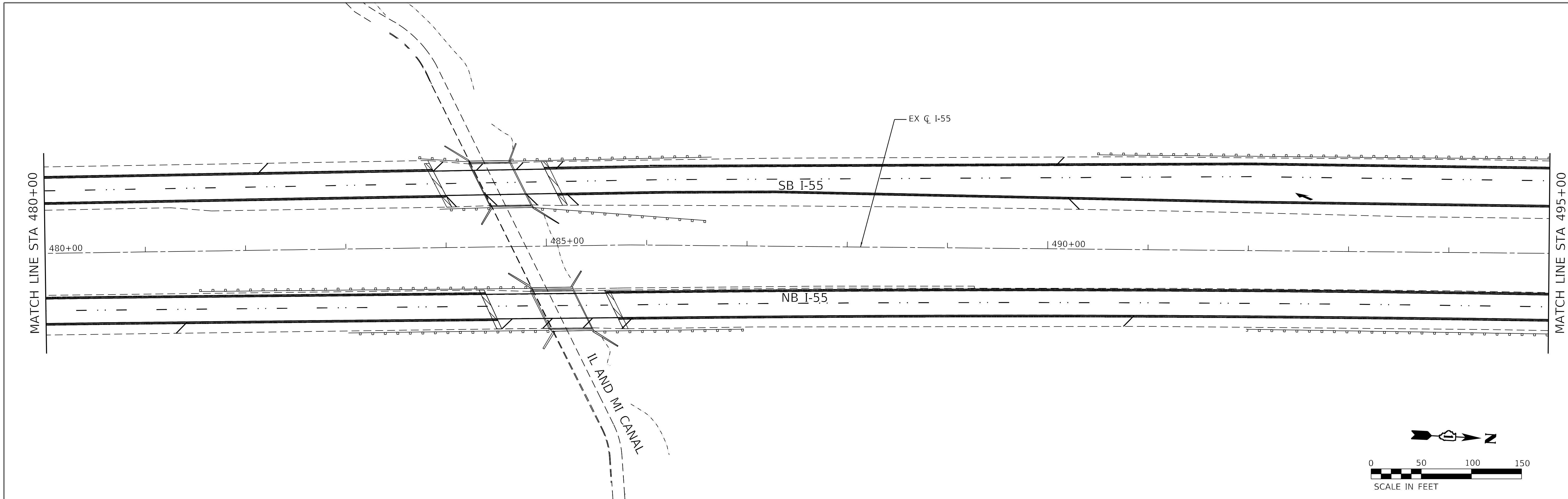
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.
5. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO AND REPEATER.

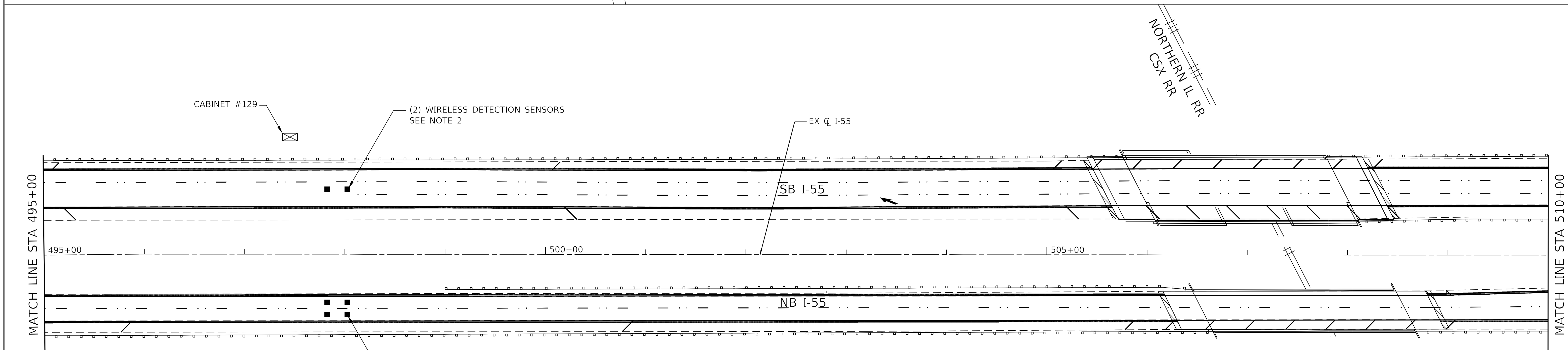


ITS-15

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS SURVEILLANCE PLAN I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)	F.A.I. RTE. 55	SECTION 2020-128-RS	COUNTY WILL	TOTAL SHEETS 78 / SHEET NO. 49
		DRAWN - MD	REVISED -					CONTRACT NO. 62M06	
	PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -						

MODEL: $MODELNAME$ FILE NAME: D162M06-sht-ITS-014.dgn





NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

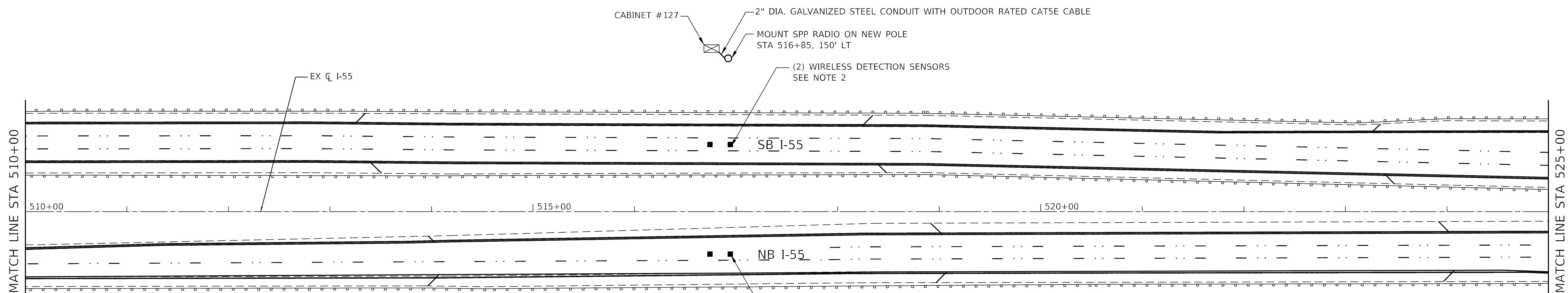
N

0 50 100 150
SCALE IN FEET

ITS-16

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS SURVEILLANCE PLAN I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)	F.A.I. RTE. 55	SECTION 2020-128-RS	COUNTY WILL	TOTAL SHEETS 78	SHEET NO. 50
		DRAWN - MD	REVISED -			CONTRACT NO. 62M06				
	PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -							
	PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-015.dgn



(2) WIRELESS DETECTION SENSORS
SEE NOTE 2

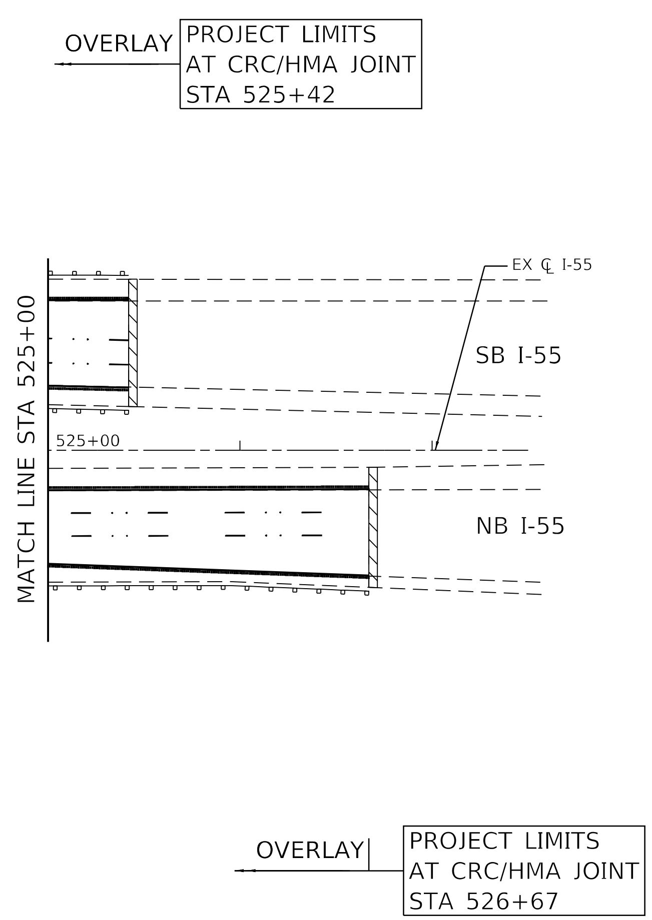
MOUNT SOLAR, REPEATER ON NEW POLE
STA 516+85, 100' RT

NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET ITS-01
2. WIRELESS VEHICLE DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE SPACED 20' APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM: FLEX-CTRL-M-E; FLEX-CTRL-ACC-3; FLEX-ISOL-M; APCC-SPP
4. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.
5. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH THE RADIO AND REPEATER.

N

0 50 100 150
SCALE IN FEET



N

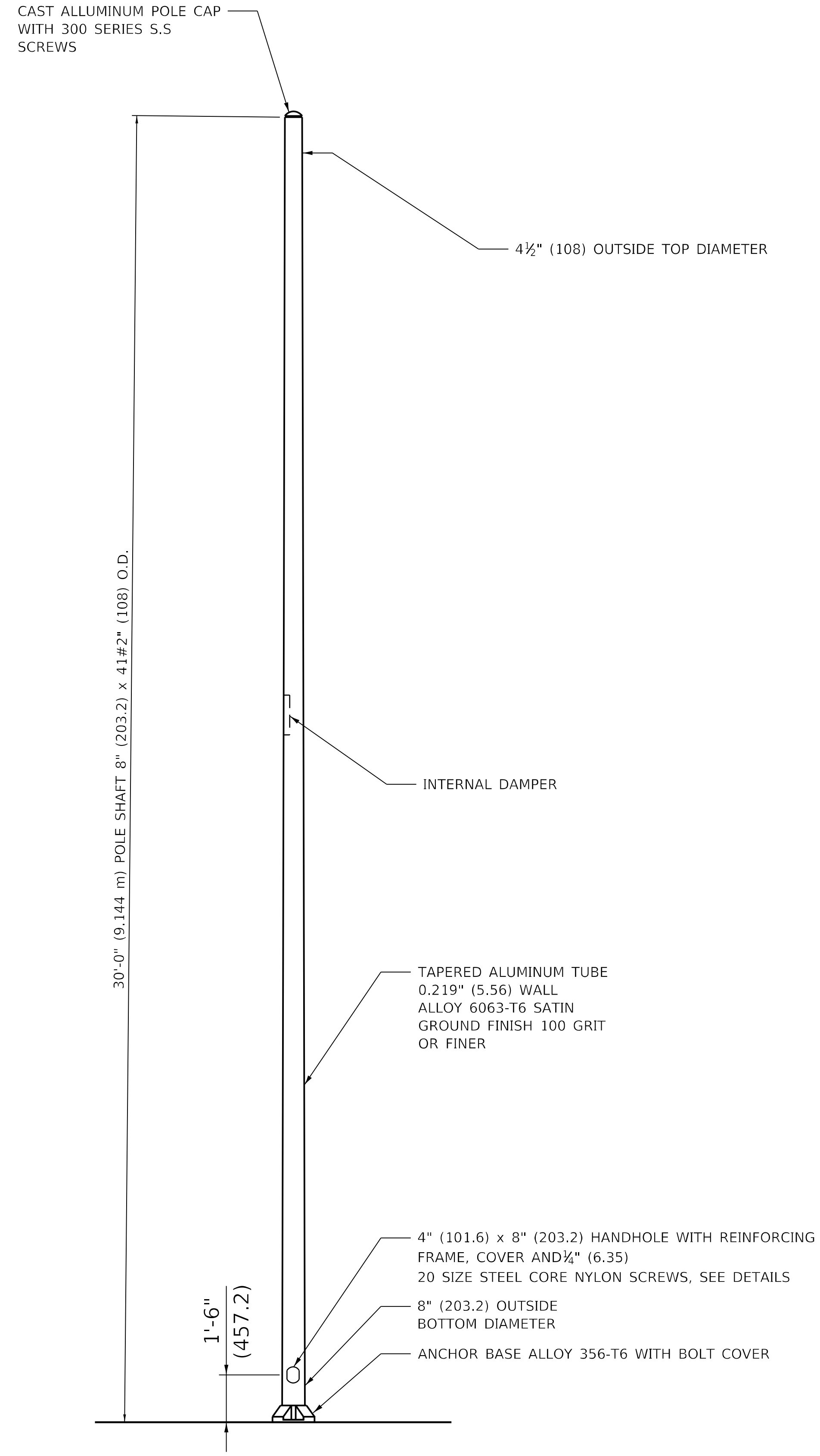
0 50 100 150
SCALE IN FEET

ITS-17

MODEL: $MODELNAME$
FILE NAME: D162M06-sht-ITS-016.dgn

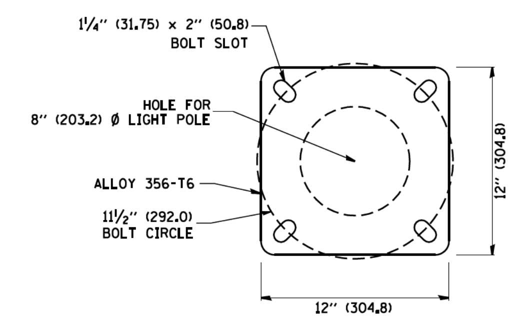
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = mdeltche	DESIGNED - BL/MS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS SURVEILLANCE PLAN I–55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
		DRAWN - MD	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - MH	REVISED -		
	PLOT DATE = 10/15/2020	DATE - 10/06/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	51
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		



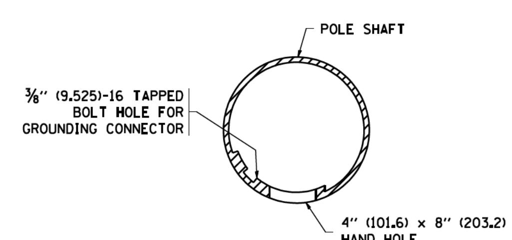
NOTES:

1. ALL DIMENSION ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
3. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
4. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.



LIGHT POLE BASE PLATE DETAIL

11½" (292.0) BOLT CIRCLE



HANDHOLE DETAIL
(N.T.S.)

ITS-18

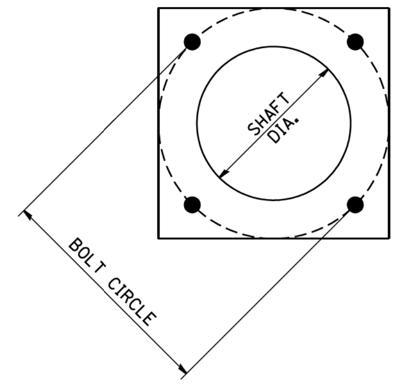
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60515	USER NAME = gaglianobt	DESIGNED - BL	REVISED - R. TOMSONS 09-02-03
		DRAWN - SR	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED - MB	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

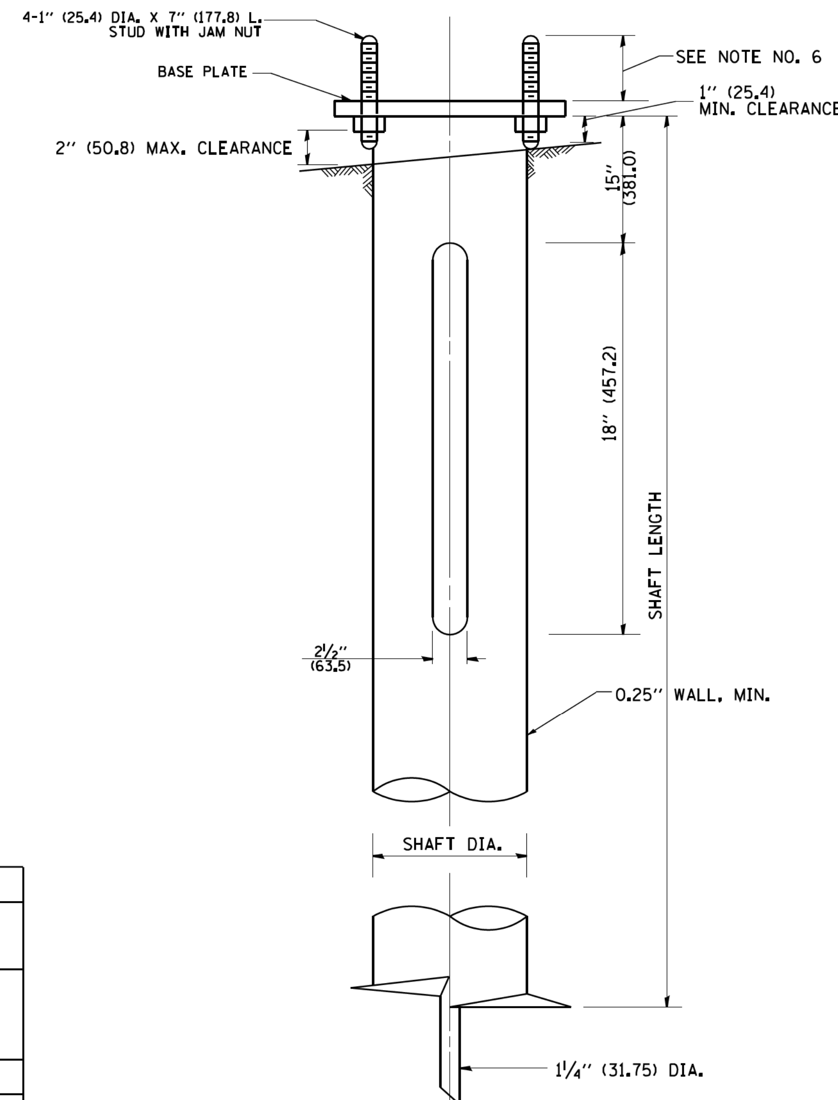
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRELESS VEHICLE DETECTOR
POLE DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	52
		CONTRACT NO. 62M06		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

NOTES:

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN ¼" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = gaglianobt	DESIGNED - BL	REVISED -	
	DRAWN - SR	REVISED -	
PLOT SCALE = 50.000 ' / IN.	CHECKED - MB	REVISED -	
PLOT DATE = 1/4/2008	DATE - 02-27-07	REVISED -	

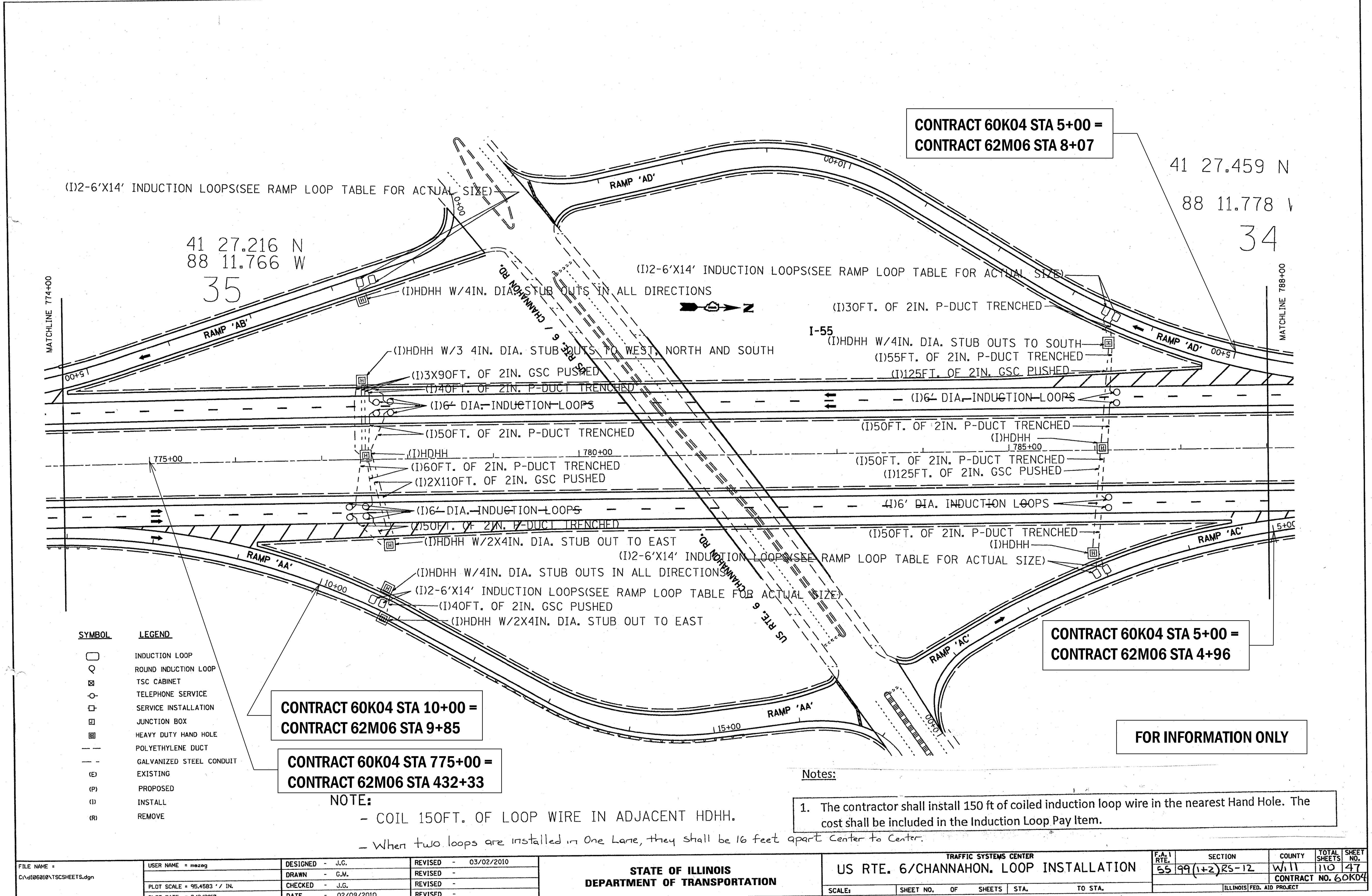
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION, METAL

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	53
	BE-305	CONTRACT NO. 62M06		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



USER NAME = ANugent	DESIGNED - JH	REVISED -
	DRAWN - SH	REVISED -
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PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
EXISTING ITS DETAILS – FOR INFORMATION ONLY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	54

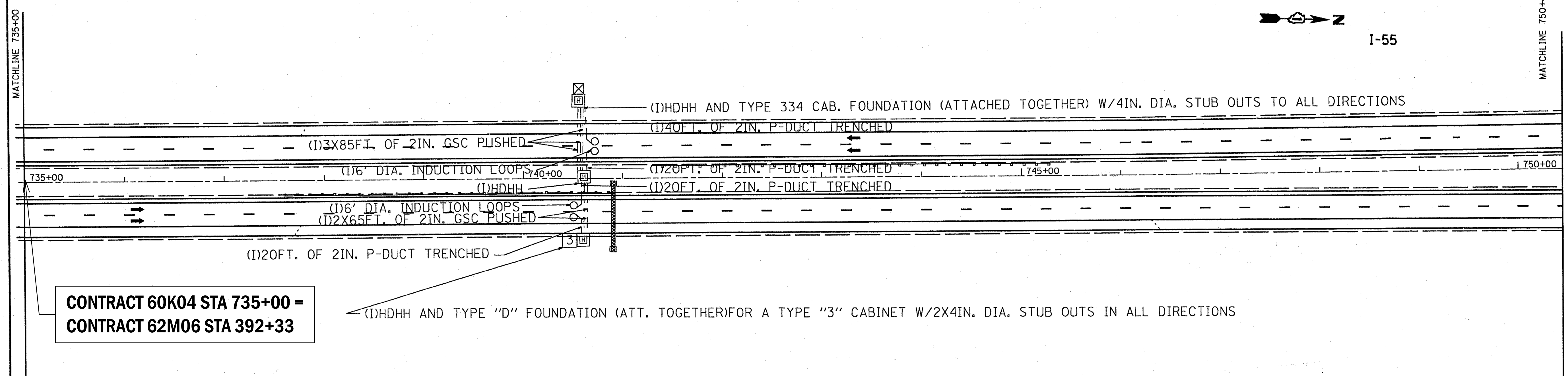
CONTRACT NO. 62M06

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-detectorloop-001.dgn

41 26.696 N
88 11.735 W

36



SYMBOL	LEGEND
▭	INDUCTION LOOP
Q	ROUND INDUCTION LOOP
⊠	TSC CABINET
-O-	TELEPHONE SERVICE
□-	SERVICE INSTALLATION
☑	JUNCTION BOX
▣	HEAVY DUTY HAND HOLE
— —	POLYETHYLENE DUCT
— -	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

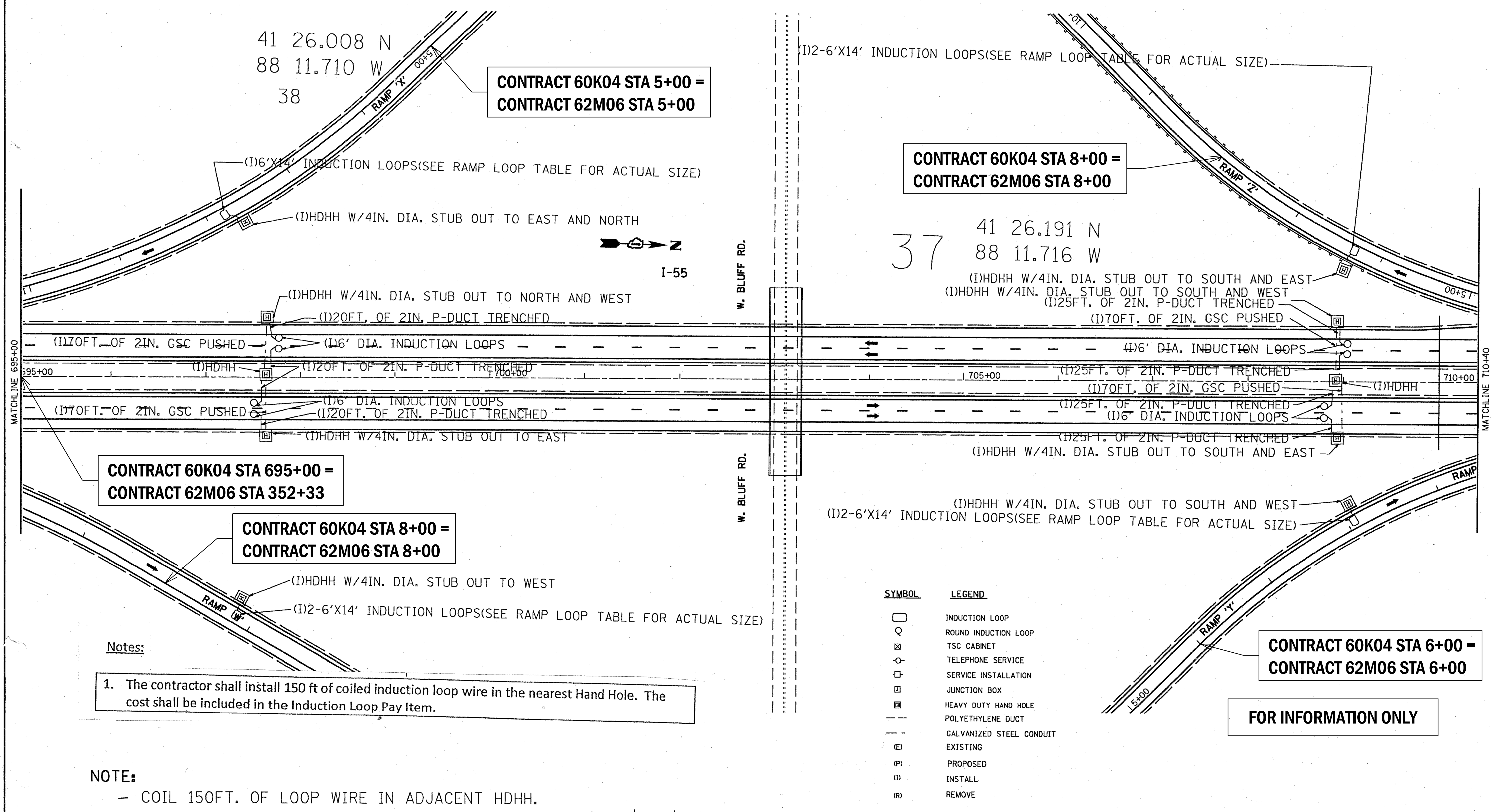
FOR INFORMATION ONLY

NOTE:
- COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
- When two loops are Installed in one lane, they shall be 16 feet apart center to center.

FILE NAME = C:\d106010\TSCSHEETS.dgn	USER NAME = mazag	DESIGNED - J.G.	REVISED - 03/02/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER STA/740+50 LOOP INSTALLATION	F.A.I. RTE. 55; SECTION 99(1+2)RS-12; COUNTY Will; TOTAL SHEETS 110; SHEET NO. 48
		DRAWN - G.M.	REVISED -			CONTRACT NO. 60K04
	PLOT SCALE = 95.4583 ' / IN.	CHECKED - J.G.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 3/2/2010	DATE - 02/08/2010	REVISED -			

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 W004 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-int-details-detectorloop-002.dgn

USER NAME = ANugent	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL) EXISTING ITS DETAILS – FOR INFORMATION ONLY	F.A.I. RTE. 55; SECTION 2020-128-RS; COUNTY WILL; TOTAL SHEETS 78; SHEET NO. 55
	DRAWN - SH	REVISED -			CONTRACT NO. 62M06
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -			



FOR INFORMATION ONLY

Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

NOTE:

- COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
- When two loops are installed in One Lane, they shall be 16 feet apart Center to Center

FILE NAME = C:\d106010\TSCSHEETS.dgn	USER NAME = mazag	DESIGNED - J.G.	REVISED - 03/02/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SYSTEMS CENTER W. BLUFF RD. LOOP INSTALLATION	F.A.I. RTE. 55	SECTION 99(1+2)RS-12	COUNTY Will	TOTAL SHEETS 110	SHEET NO. 49
		DRAWN - G.M.	REVISED -					CONTRACT NO. 60K04		
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	PLOT DATE = 3/2/2010	DATE - 02/08/2010	REVISED -							

MODEL: Default
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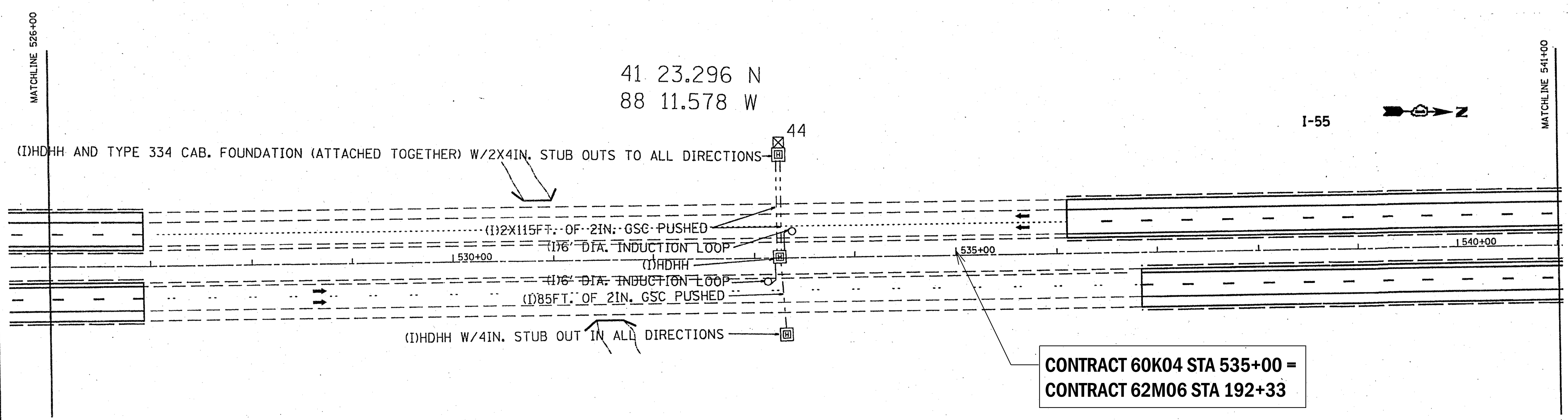
USER NAME = ANugent	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL) EXISTING ITS DETAILS - FOR INFORMATION ONLY	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - SH	REVISED -			55	2020-128-RS	WILL	78	56
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 62M06				
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				



SYMBOL	LEGEND
▭	INDUCTION LOOP
Q	ROUND INDUCTION LOOP
⊠	TSC CABINET
-O-	TELEPHONE SERVICE
☐-	SERVICE INSTALLATION
☐	JUNCTION BOX
▣	HEAVY DUTY HAND HOLE
— —	POLYETHYLENE DUCT
— -	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

FOR INFORMATION ONLY

FILE NAME = C:\d106010\TSCSHEETS.dgn	USER NAME = mezeg	DESIGNED - J.G.	REVISED -
		DRAWN - G.M.	REVISED -
	PLOT SCALE = 100.0041 ' / IN.	CHECKED - J.G.	REVISED -
	PLOT DATE = 2/9/2010	DATE - 02/08/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEMS CENTER
STA. 533+00 LOOP INSTALLATION

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) RS-12	Will	110	50

CONTRACT NO. 60K04
ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-int-details-detectorloop-004.dgn

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	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

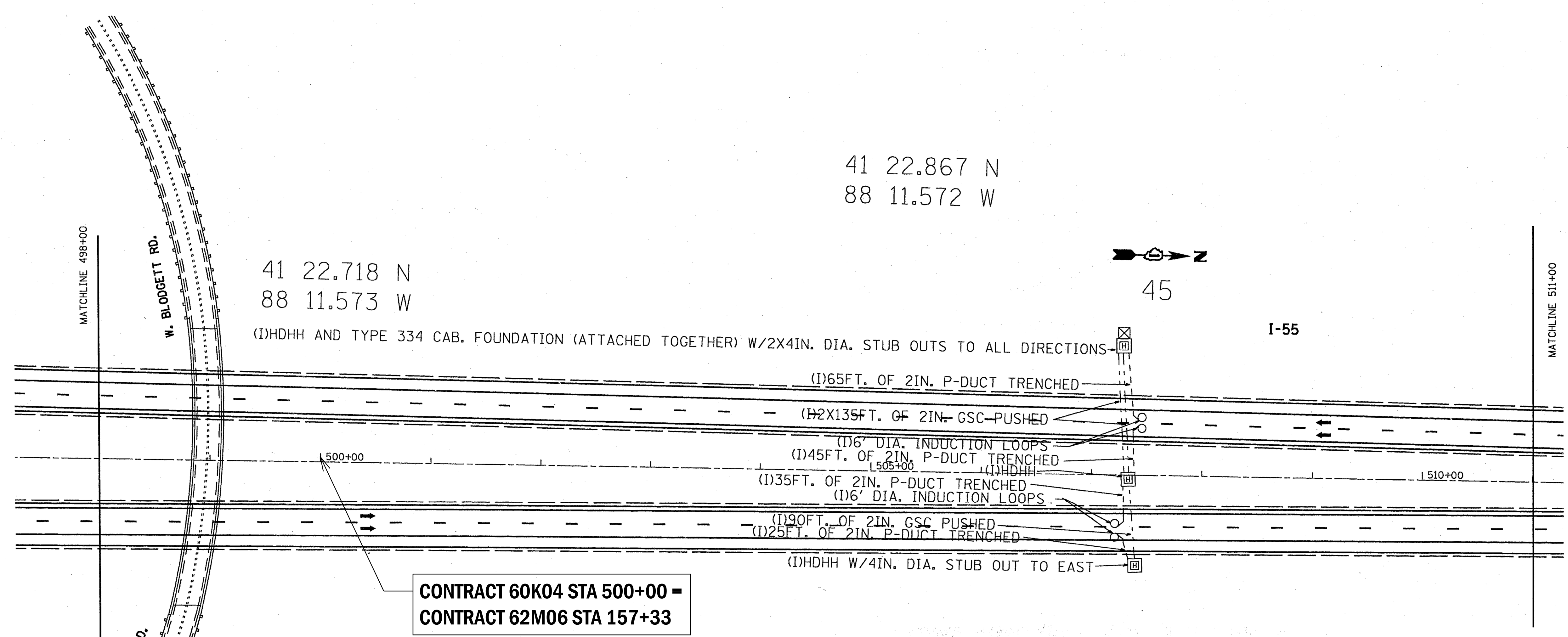
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
EXISTING ITS DETAILS – FOR INFORMATION ONLY

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	57

CONTRACT NO. 62M06
ILLINOIS FED. AID PROJECT



SYMBOL	LEGEND
▭	INDUCTION LOOP
Q	ROUND INDUCTION LOOP
⊠	TSC CABINET
-O-	TELEPHONE SERVICE
⊡-	SERVICE INSTALLATION
⊡	JUNCTION BOX
▣	HEAVY DUTY HAND HOLE
— —	POLYETHYLENE DUCT
— -	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

Notes:

1. The contractor shall install 150 ft of coiled induction loop wire in the nearest Hand Hole. The cost shall be included in the Induction Loop Pay Item.

NOTE:

- COIL 150FT. OF LOOP WIRE IN ADJACENT HDHH.
- When two loops are installed in one, they shall be 16 feet apart center to center.

FOR INFORMATION ONLY

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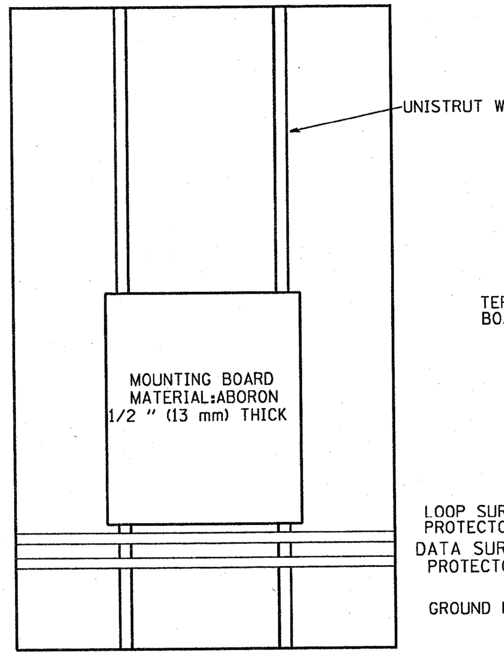
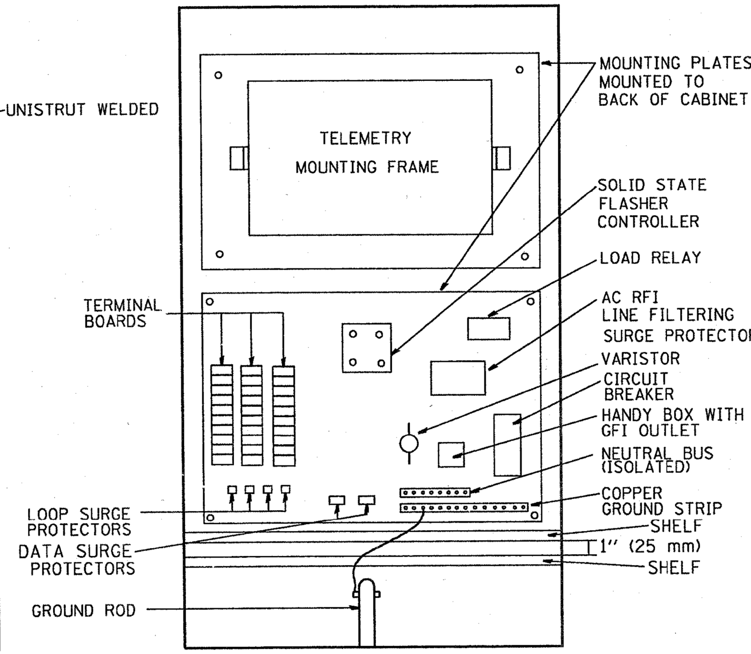
		DRAWN - G.M.	REVISED -		
	PLOT SCALE = 95.4583 '/ IN.	CHECKED - J.G.	REVISED -		
	PLOT DATE = 3/2/2010	DATE - 02/08/2010	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.

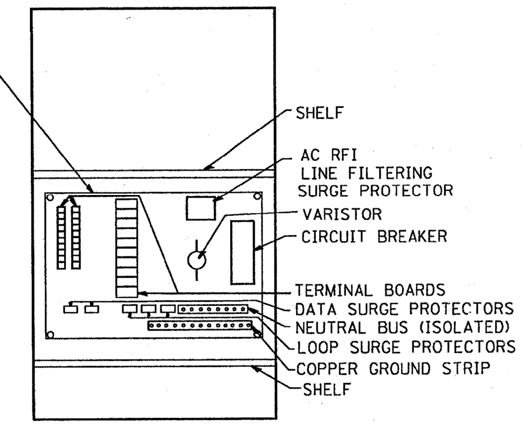
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1+2)RS-12	Will	110	51
CONTRACT NO. 60K04				
ILLINOIS FED. AID PROJECT				



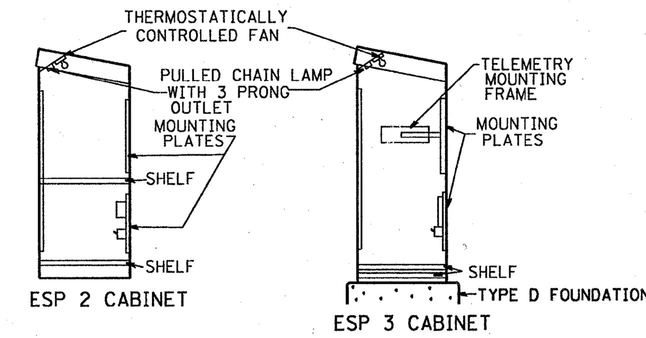
SIDE VIEW ESP 3 & 4 CABINET



ESP 3 CABINET

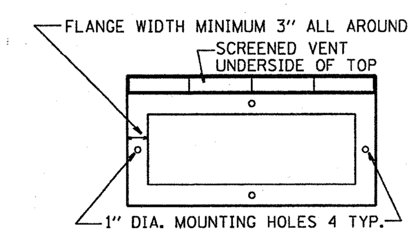


ESP 2 CABINET



PROFILE VIEWS

NOTE: MOUNTING PLATES TO BE MOUNTED TO BACK PANEL OF CABINET



BOTTOM VIEW
MOUNTING PATTERN

TYPICAL CABINET INTERIORS

STANDARD TRAFFIC SYSTEMS CENTER CABINETS

MINIMUM DIMENSIONS INSIDE

TYPE	HEIGHT (IN-mm)	WIDTH (IN-mm)	DEPTH (IN-mm)	THICKNESS (IN-mm)	MATERIAL
ESP1	22.5" (571.5 mm)	14.25" (361.95mm)	9.75" (247.65mm)	3/16 " (4.76mm)	FABRICATED ALUMINUM
ESP2	36" (914.4mm)	20" (508.0mm)	15" (381.0mm)	73/16" (4.76mm)	FABRICATED ALUMINUM
ESP3	49.5" (1.26 m)	30" (762.0mm)	17" (431.8mm)	3/16 " (4.76mm)	FABRICATED ALUMINUM
ESP4	55" (1.4 m)	44" (1.12 m)	26" (660.4mm)	3/16" (4.76mm)	FABRICATED ALUMINUM

NOTES:

1. CABINETS, CABINET POSTS AND CABINET PEDESTALS SHALL BE PRIMED AND PAINTED IN ACCORDANCE WITH SECTION T637 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS". THE FINAL COAT SHALL BE (X) IN COLOR. THE INTERIOR SHALL BE PAINTED WHITE. SIGNAL POSTS AND HEADS TO BE FEDERAL YELLOW 89-19(MAUTZ).
2. CABINETS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION T400 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS".
3. ALL CABINETS WHICH ARE SERVICED BY 117 VOLTS A.C. POWER SHALL BE EQUIPPED WITH A 10 AMP CIRCUIT BREAKER, A.C. R.F.I. LINE FILTERING SURGE PROTECTOR, VARISTOR, DATA SURGE AND LOOP SURGE PROTECTORS AS INCIDENTAL TO THE COST OF THE CABINET. CMS CABINETS TYPE IV SHALL HAVE A 60 AMP. CIRCUIT BREAKER MINIMUM.
4. ESP 2/3/4 CABINETS SHALL BE FITTED WITH A THERMOSTATICALLY CONTROLLED FAN. IT SHALL BE MOUNTED AT THE TOP OF THE CABINET. THE FAN SHALL BE CAPABLE OF OPERATING AT 130 CPM AT 160' (48.8 m) OF STATIC WATER PRESSURE. A PORCLAIN BASED PULL CHAIN FIXTURE WITH 3 PRONG OUTLET SHALL ALSO BE PROVIDED.
5. RAMP METERING ESP 3 TYPE CABINETS SHALL ALSO BE EQUIPPED WITH A LOAD RELAY AND 2 CIRCUIT FLASHER. LAMPS, FAN, LOAD RELAY, AND 2 CIRCUIT FLASHER SHALL BE INCIDENTAL TO THE COST OF THE CABINET
6. INCIDENTAL TO THE COST OF EACH CABINET THE CONTRACTOR SHALL CONSTRUCT A 5 INCH (130mm) PCC SIDEWALK OF A RECTANGULAR AREA 3 FEET (915 mm) BY 4 FEET (1.25 m) IMMEDIATELY ADJACENT TO THE CABINET FOUNDATION ON THE SAME SIDE OF THE FOUNDATION AS THE CABINET DOOR TO PROVIDE FOOTING DURING INSTALLATION AND MAINTENANCE.
7. ANCHOR BOLTS FOR PEDESTAL AND BASE MOUNTED CABINETS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CABINET.
8. ALL CABINETS SHALL HAVE TERMINAL BLOCKS AND SHELVES AS SHOWN. THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CABINET.
9. THE CABINET DOOR SHALL BE HINGED ON THE RIGHT SIDE WHEN FACING THE CABINET. THE DOOR SHALL BE FURNISHED WITH A GASKET THAT SHALL FORM A WEATHER TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE HINGES SHALL BE CONTINUOUS AND BOLTED TO THE CABINET AND DOOR UTILIZING 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCK NUTS. THE HINGES WILL BE MADE OF STAINLESS STEEL WITH A 0.25 INCH (6.35 mm) DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER PROOF.
10. THE LATCHING MECHANISM SHALL BE A 3 POINT DRAW ROLLER TYPE. THE CENTER CATCH AND PUSHRODS SHALL BE EITHER CADMIUM OR ZINC PLATED, TYPE II CLASS I. PUSHRODS WILL BE TURNED EDGEWISE AT THE OUTWARD SUPPORTS AND SHALL BE 0.25 INCH (6.35 mm) BY 0.75 INCH (19.05 mm). MINIMUM. ROLLERS SHALL HAVE A MINIMUM DIAMETER OF 0.875 INCH (22.22 mm) AND WILL BE MADE OF NYLON. THE CENTER CATCH SHALL BE FABRICATED FROM 0.14 INCH (3.55 mm) STEEL, MINIMUM. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION. AN OPERATING HANDLE SHALL BE FURNISHED WITH EACH LOCK. THE HANDLE WILL BE STAINLESS STEEL WITH A 0.75 INCH (19.05 mm) DIAMETER SHANK.
11. THE ENCLOSURE SHALL BE EQUIPPED WITH TWO ADJUSTABLE "C" MOUNTING CHANNELS WELDED ON BOTH SIDE WALLS AND BACK WALL OF THE ENCLOSURE, ALLOWING VERSATILE POSITIONING OF SHELVES OR PANELS. MOUNTING CHANNELS SHALL BE FACTORY PAINTED SAME COLOR AS INTERIOR OF CABINET.
12. CABINET DOOR SHALL NOT HAVE COMPARTMENT DOORS OR LOUVERS.
13. ALL FIELD CABINETS SHALL BE FITTED WITH BRASS LOCKS.
14. ESP TYPE 2 & 3 CABINETS FITTED WITH TWO SHELVES AS SHOWN.
15. POST TOP MOUNTED CABINETS, SHALL HAVE A 0.25 INCH (6.3 mm) BOTTOM OF CABINET WELDED.
16. THE CONTROL CABINET SHALL BE SET PLUMB ON THE FOUNDATION AND FASTENED TO THE ANCHOR BOLTS WITH NUTS AND WASHERS. FLAT WASHERS SHALL BE INSTALLED BELOW AND ABOVE THE BASE PLATE OF THE CONTROL CABINET. LOCKWASHERS SHALL BE INSTALLED ON TOP OF THE TOP FLAT WASHER.

(X)

EDENS	WALNUT *
KENNEDY	BLUE STREAK **
EISENHOWER	CARIBBEAN BLUE *
I-290/IL53/I-355	POST OFFICE BLUE **
RYAN	YELLOW STONE II **
I-55	MEDIUM BRONZE *
I-57	RED BARON **
CAL-KING	BLUE STREAK **
LAKE SHORE DR.	GREEN *
I-80	STATUARY BRONZE **

ALL RAMP METERING CABINETS LIME GREEN ***. ALL POSTS, T.S. HEADS AND SERVICES WILL BE PAINTED FEDERAL YELLOW.

* MORTON POWDER PAINT COLOR OR EQUIVALENT.
** O'BRIEN POWDER PAINT COLOR OR EQUIVALENT.
*** BENJAMIN MOORE ENAMEL COLOR OR EQUIVALENT.

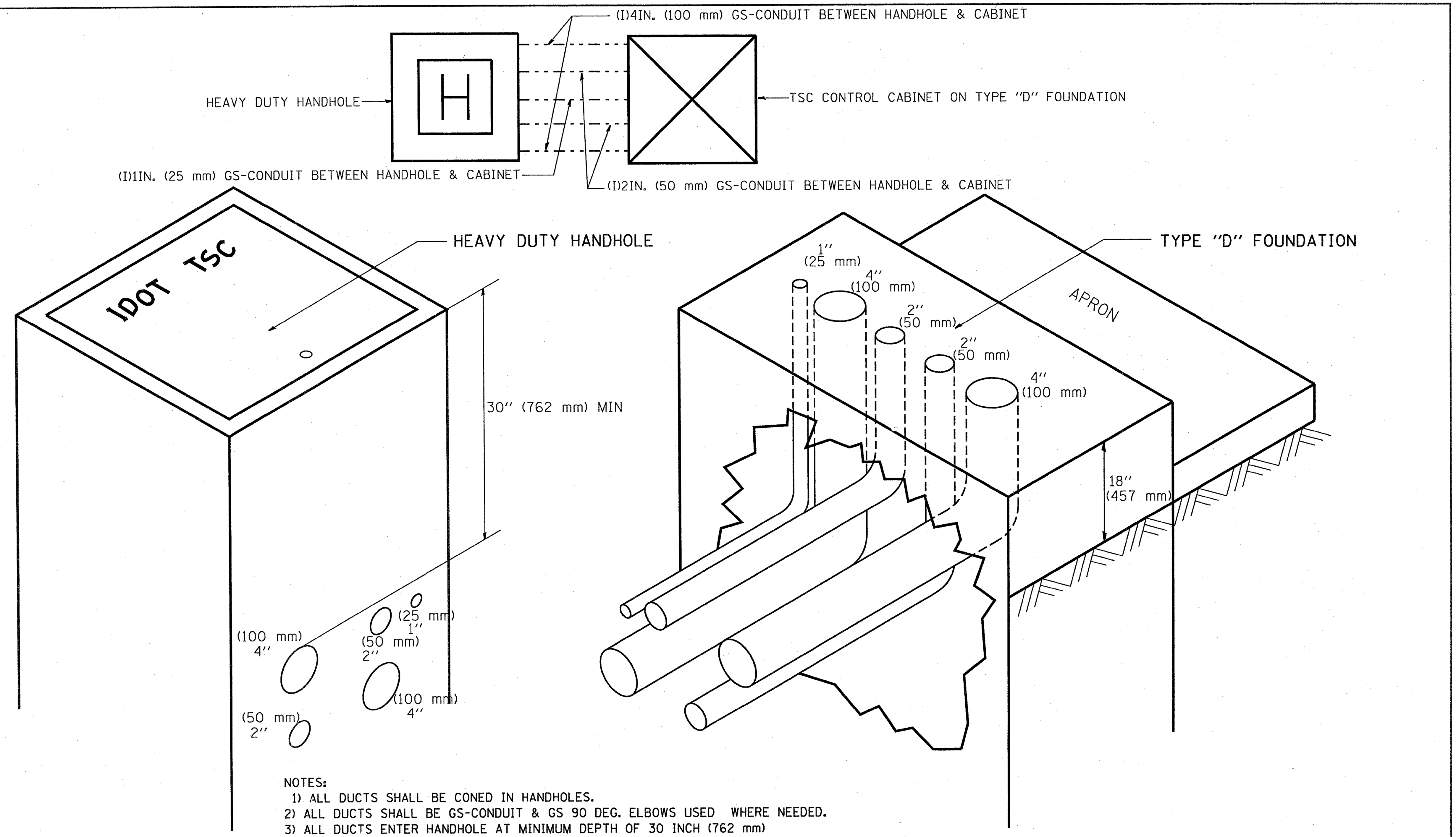
NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR CONFORMING TO COLOR REQUIREMENTS

FOR INFORMATION ONLY

FILE NAME = C:\Projects\TSC\TYPICALS\TSCTYP08.dgn	USER NAME = mozog	DESIGNED - R.L.	REVISED - 12/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	CABINET DETAIL SHEET
		DRAWN - G.M.	REVISED - 09/96		
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - R.L.	REVISED - 02/98		
	PLOT DATE = 2/8/2010	DATE - 06/21/94	REVISED - 03/99		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) RS-12	Will	110	53
		CONTRACT NO. 60K04		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#4)



NOTES:
1) ALL DUCTS SHALL BE CONED IN HANDHOLES.
2) ALL DUCTS SHALL BE GS-CONDUIT & GS 90 DEG. ELBOWS USED WHERE NEEDED.
3) ALL DUCTS ENTER HANDHOLE AT MINIMUM DEPTH OF 30 INCH (762 mm)
4) ALL HANDHOLE COVERS SHALL READ "IDOT TSC".
5) ALL CABINET HANDHOLES SHALL BE HEAVY DUTY.
6) DUCTS SHALL BE CENTERED IN CABINET FOUNDATION/HANDHOLE AS SHOWN.
7) CONDUITS SHALL BE SPACED 305 mm (1 FOOT) CENTER TO CENTER IN HEAVY DUTY HANDHOLE.
8) INSTALL 3/4" X 10' (20 mm X 3 m) COPPER CLAD STEEL GROUND ROD IN HDHH PROVIDED AS CABINET PAD. EXOTHERMIC WELD CONNECTION FROM GROUND ROD TO #6 GROUND WIRE INSULATED (GREEN).
9) BOND ALL GSC CONDUITS IN CABINET FOUNDATION.
10) INSTALL #6 GROUND WIRE IN 1IN. (25 mm) GSC FROM HANDHOLE TO CABINET.
11) TYPE "D" FOUNDATION SHALL BE 18" FROM TOP OF FOUNDATION TO FINISHED GRADE.

FOR INFORMATION ONLY

FILE NAME = C:\d106010\I55TSCTYP.dgn	USER NAME = mozog	DESIGNED - R.L.	REVISED - 09/96
		DRAWN - G.M.	REVISED - 03/99
	PLOT SCALE = 100.0000 '/ IN.	CHECKED - R.L.	REVISED - 04/99
	PLOT DATE = 2/8/2010	DATE - 06/05/95	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

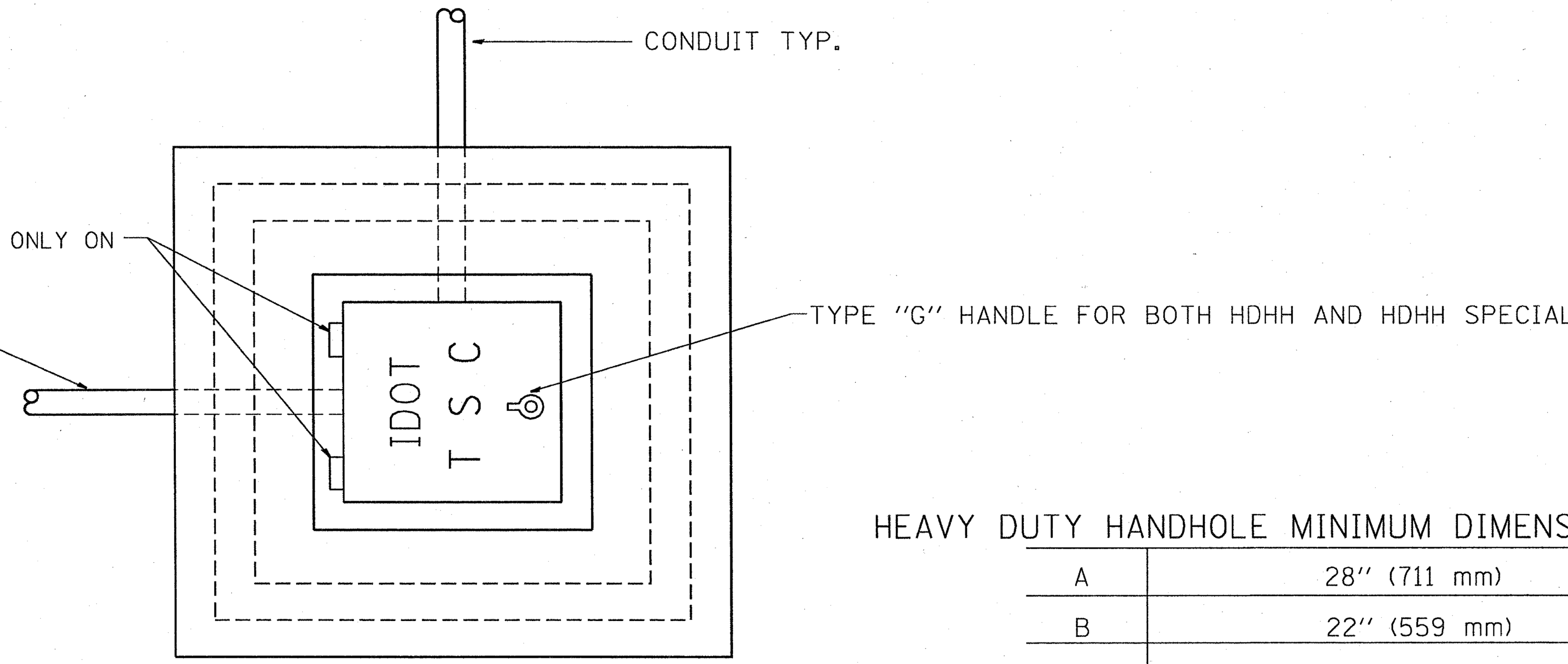
CABINET - HANDHOLE
CONDUIT DETAIL

SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

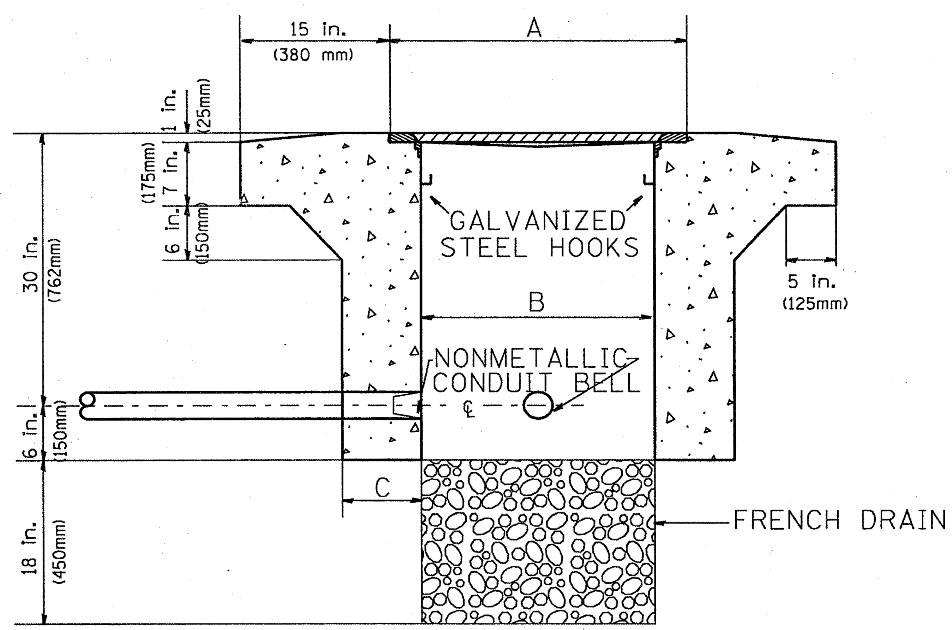
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) RS-12	Will	110	54
		CONTRACT NO. 60K04		

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

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#11)



PLAN



ELEVATION

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30" (762 mm)
C	10" (250 mm)

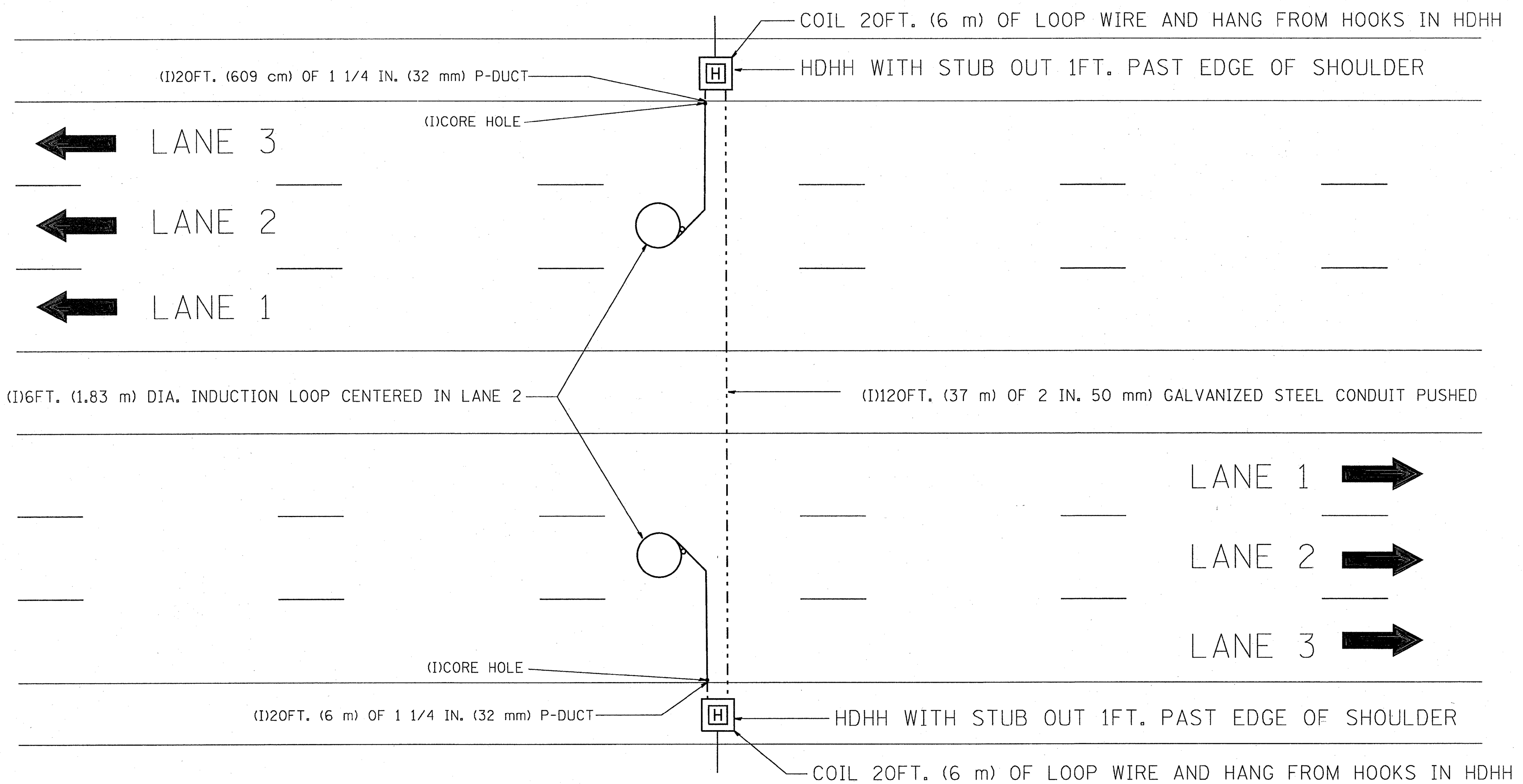
(FRAME AND COVER 405 LBS. (184 Kg. (405))

PC CONCRETE - HEAVY DUTY HAND HOLE

FOR INFORMATION ONLY

FILE NAME = C:\d106010\I55TSCTYP.dgn	USER NAME = mezag	DESIGNED - R.L.	REVISED - 04/97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	PC CONCRETE - HEAVY DUTY HAND HOLE	F.A.I. RTE. 55
		DRAWN - G.M.	REVISED -			SECTION 99 (1+2) RS-12
	PLOT SCALE = 100.0000 '/ IN.	CHECKED - R.L.	REVISED -			COUNTY Will
	PLOT DATE = 2/8/2010	DATE - 09/11/96	REVISED -		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.	TOTAL SHEETS 110 SHEET NO. 55 CONTRACT NO. 60K04
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#15)



NOTE:

THE COST OF LOOP WIRE IN HDHH IS INCIDENTAL TO THE INDUCTION LOOP.
IT SHALL NOT BE MEASURE FOR PAYMENT.

INSTALL AT STATIONS.

FOR INFORMATION ONLY

FILE NAME = C:\d106010\I55TSCTYP.dgn	USER NAME = mezag	DESIGNED - J.G.	REVISED -
		DRAWN - G.M.	REVISED -
	PLOT SCALE = 100.0000 '/ IN.	CHECKED - J.G.	REVISED -
	PLOT DATE = 2/8/2010	DATE - 01-31-07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

ONE LANE COUNT STATION

SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1+2) RS-12	Will	110	56
		CONTRACT NO. 60K04		

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

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#31)

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-detectorloop-009.dgn

USER NAME = ANugent	DESIGNED - JH	REVISED -	
	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

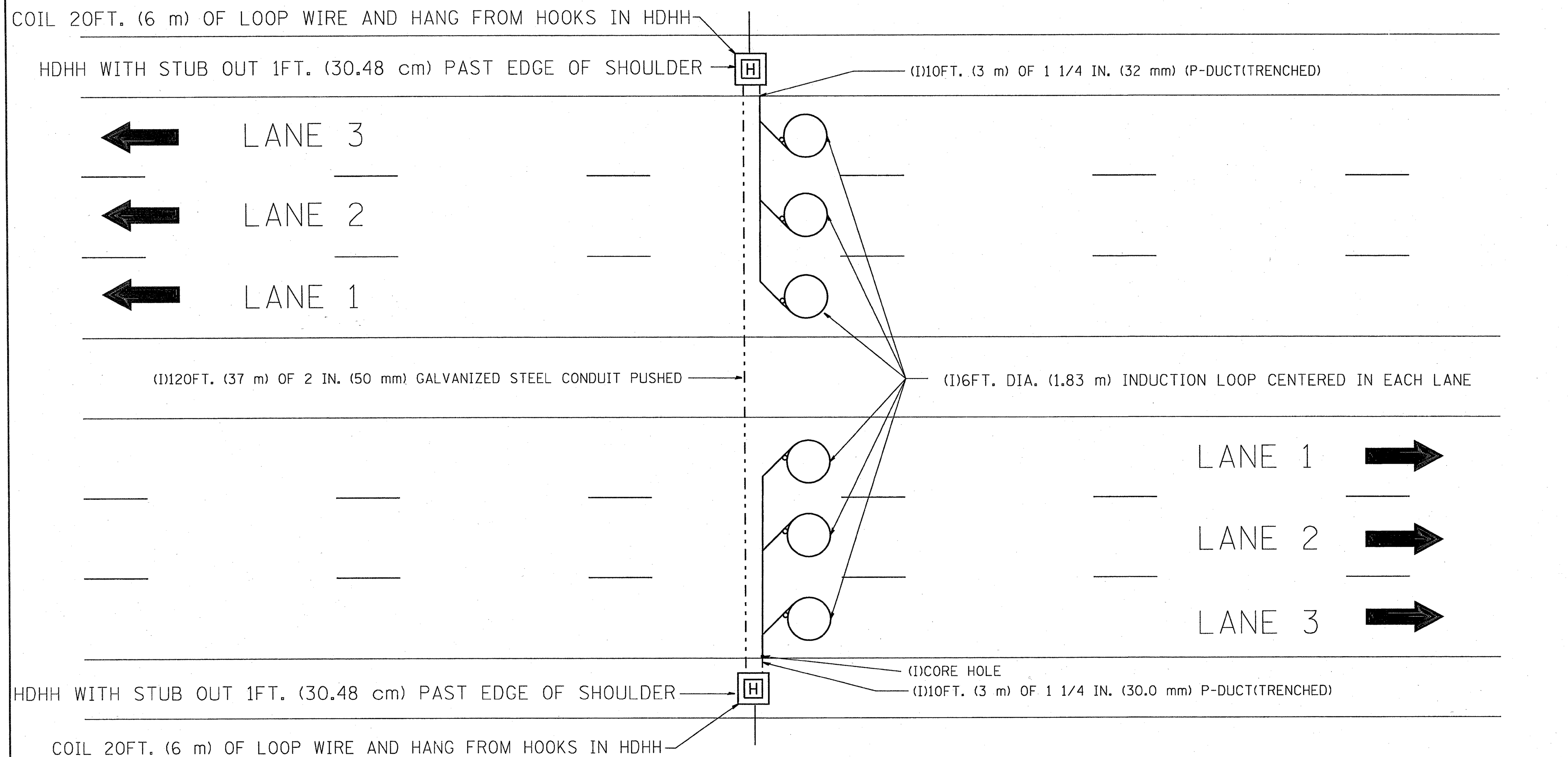
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
EXISTING ITS DETAILS - FOR INFORMATION ONLY

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	62
		CONTRACT NO. 62M06		

ILLINOIS | FED. AID PROJECT



NOTE:

THE COST OF LOOP WIRE IN HDHH IS INCIDENTAL TO THE INDUCTION LOOP.
IT SHALL NOT BE MEASURE FOR PAYMENT.

INSTALL AT STATIONS.

FOR INFORMATION ONLY

FILE NAME = C:\d106010\I55TSCTYP.dgn	USER NAME = mozag	DESIGNED - J.G.	REVISED -
		DRAWN - G.M.	REVISED -
	PLOT SCALE = 100.0000 '/ IN.	CHECKED - J.G.	REVISED -
	PLOT DATE = 2/8/2010	DATE - 01-31-07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

3 LANE COUNT STATION

SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1+2) RS-12	Will	110	57
		CONTRACT NO. 60K04		

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

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#32)

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-detectorloop-010.dgn

USER NAME = ANugent	DESIGNED - JH	REVISED -	
	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

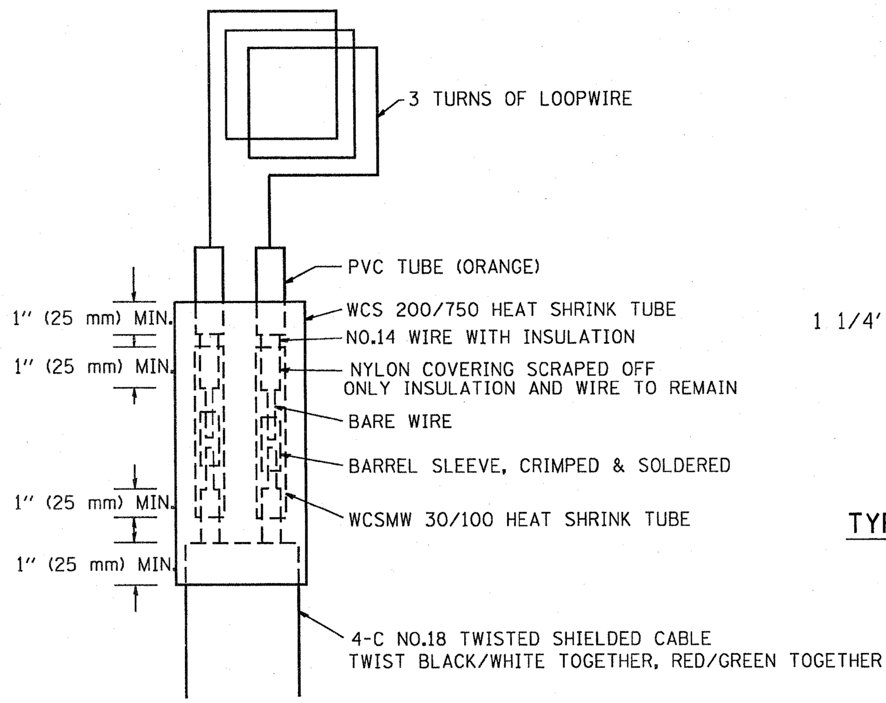
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
EXISTING ITS DETAILS – FOR INFORMATION ONLY

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

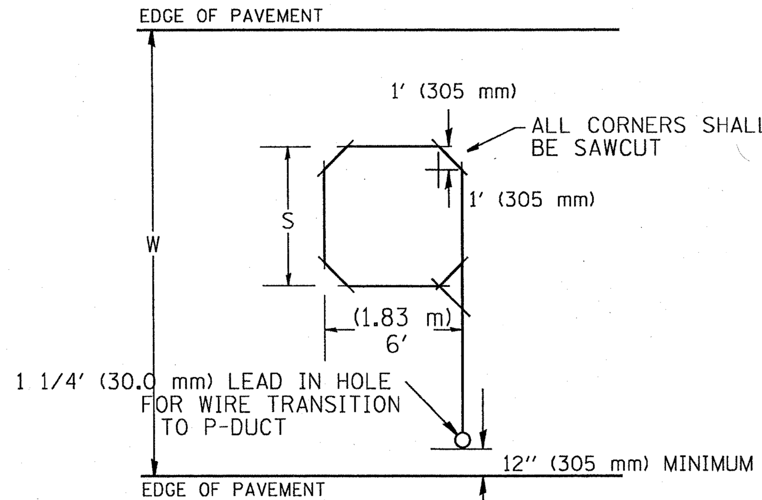
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	63
		CONTRACT NO. 62M06		

ILLINOIS | FED. AID PROJECT

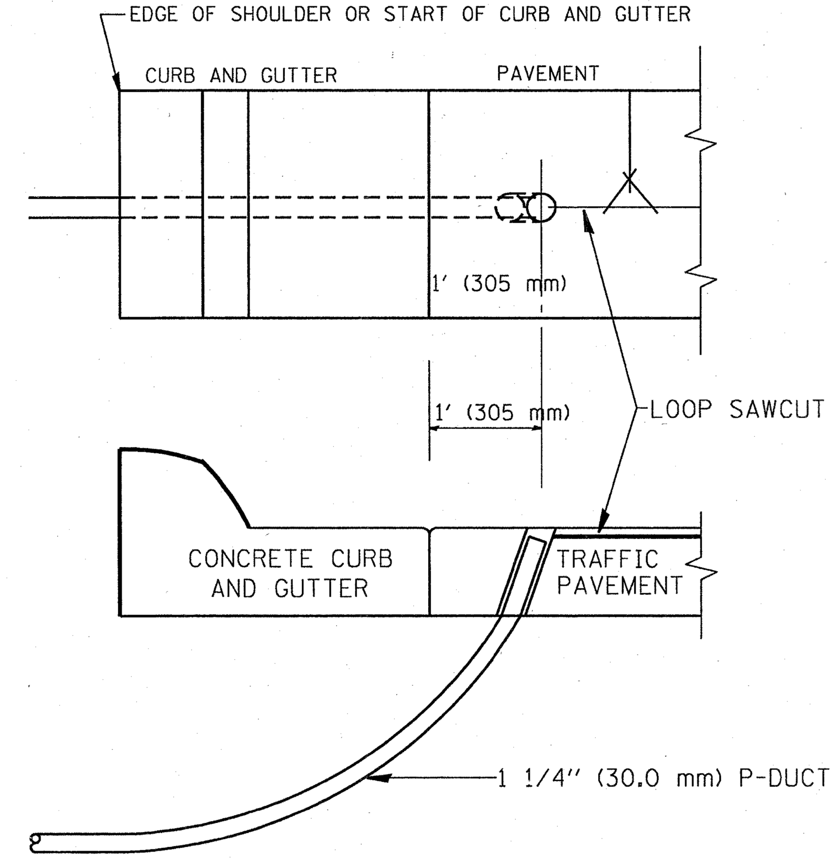


MINIMUM 1" (25 mm) HEAT SHRINK TUBING OVERLAP
ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPLICING REQUIREMENTS



TYPICAL "S" FT. BY 6' (1.83 m) INDUCTION LOOP
SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN
TRANSITION DETAIL

TABLE 1	
WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13. (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	18' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)

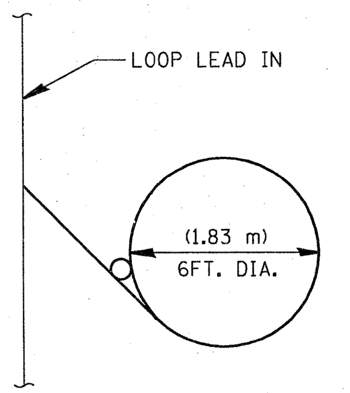
NOTES
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150' (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FOR INFORMATION ONLY

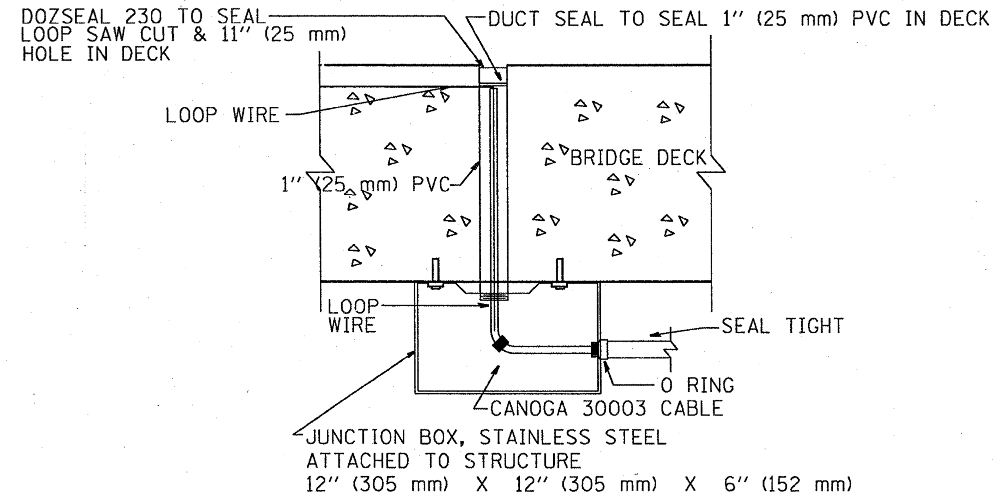
FILE NAME = C:\d106010\I55TSCTYP.dgn	USER NAME = mezeg	DESIGNED - R.L.	REVISED - 6/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	RECTANGULAR INDUCTION LOOP TYPICAL
		DRAWN - G.W.	REVISED - 11/95		
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - R.L.	REVISED - 05/96		
	PLOT DATE = 2/8/2018	DATE - 6-22-94	REVISED - 10/96		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) RS-12	Will	110	58
		CONTRACT NO. 60K04		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

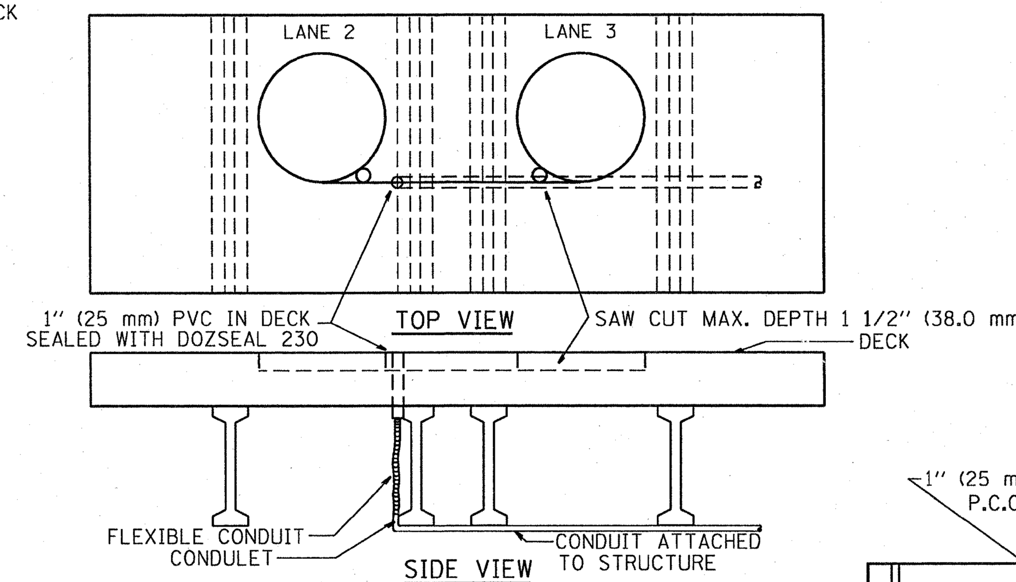
TRAFFIC SYSTEMS CENTER (TY-1TSC-418#3)



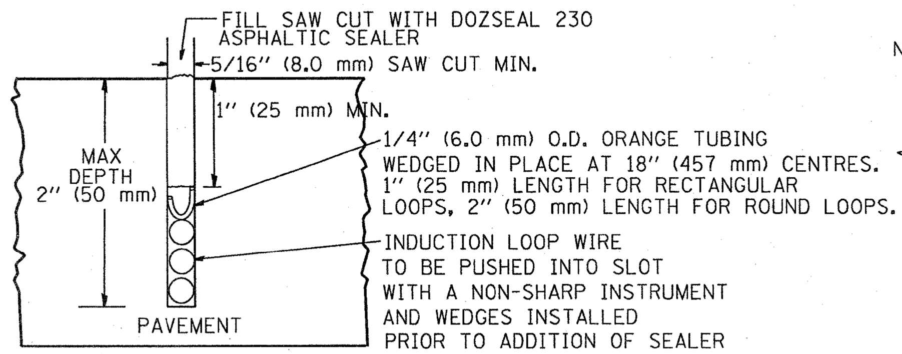
TYPICAL LOOP SAWCUT LAYOUT



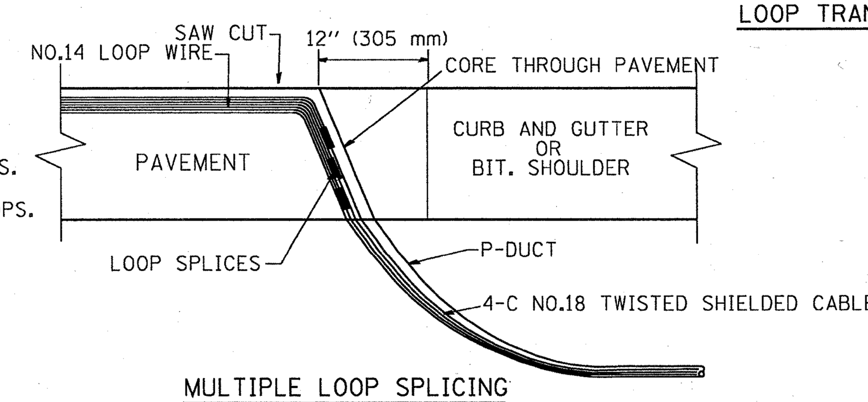
LOOP JUNCTION BOX UNDER BRIDGE DECK



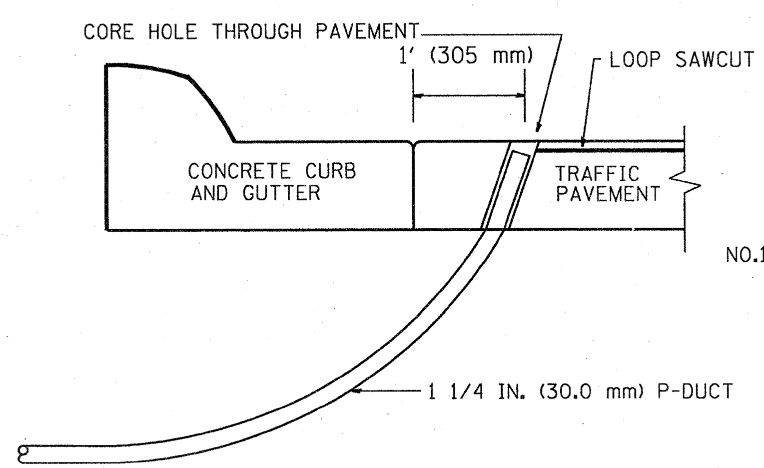
LOOP TRANSITION IN BRIDGE DECK



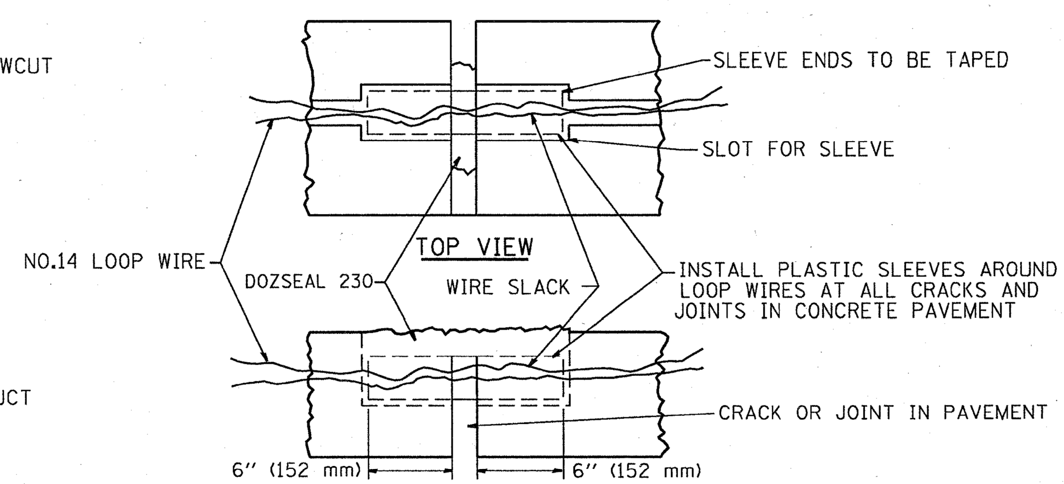
LOOP CROSS SECTION IN PAVEMENT



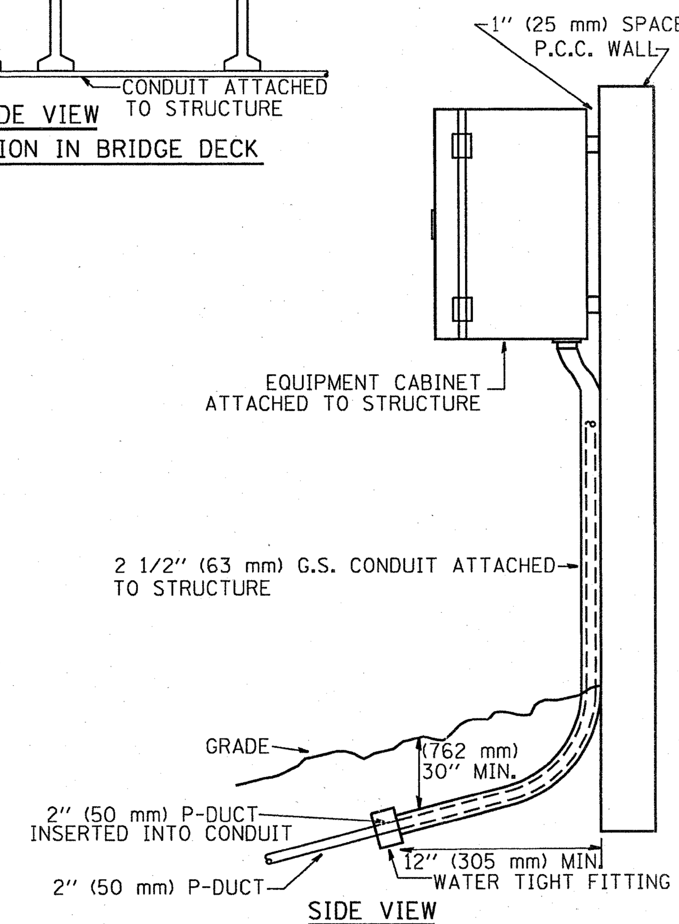
MULTIPLE LOOP SPLICING



SIDE SECTION LOOP LEAD-IN
TRANSITION DETAIL



SIDE SECTION
PAVEMENT CRACK TRANSVERSE SLEEVE



SIDE VIEW
POLYETHYLENE DUCT/GS. CONDUIT TRANSITION

FOR INFORMATION ONLY

FILE NAME = C:\d186010\I55TSCTYP.dgn	USER NAME = mozeg	DESIGNED - R.L.	REVISED - 06/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
		DRAWN - G.M.	REVISED - 03/95	
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - R.L.	REVISED - 11/95	
	PLOT DATE = 2/8/2010	DATE - 06/22/94	REVISED - 10/96	

LOOP, CONDUIT & DUCT INSTALLATION DETAILS

SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99(1+2) RS-12	Will	110	59
		CONTRACT NO. 60C04		

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

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#4)

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 W004 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-detectorloop-012.dgn

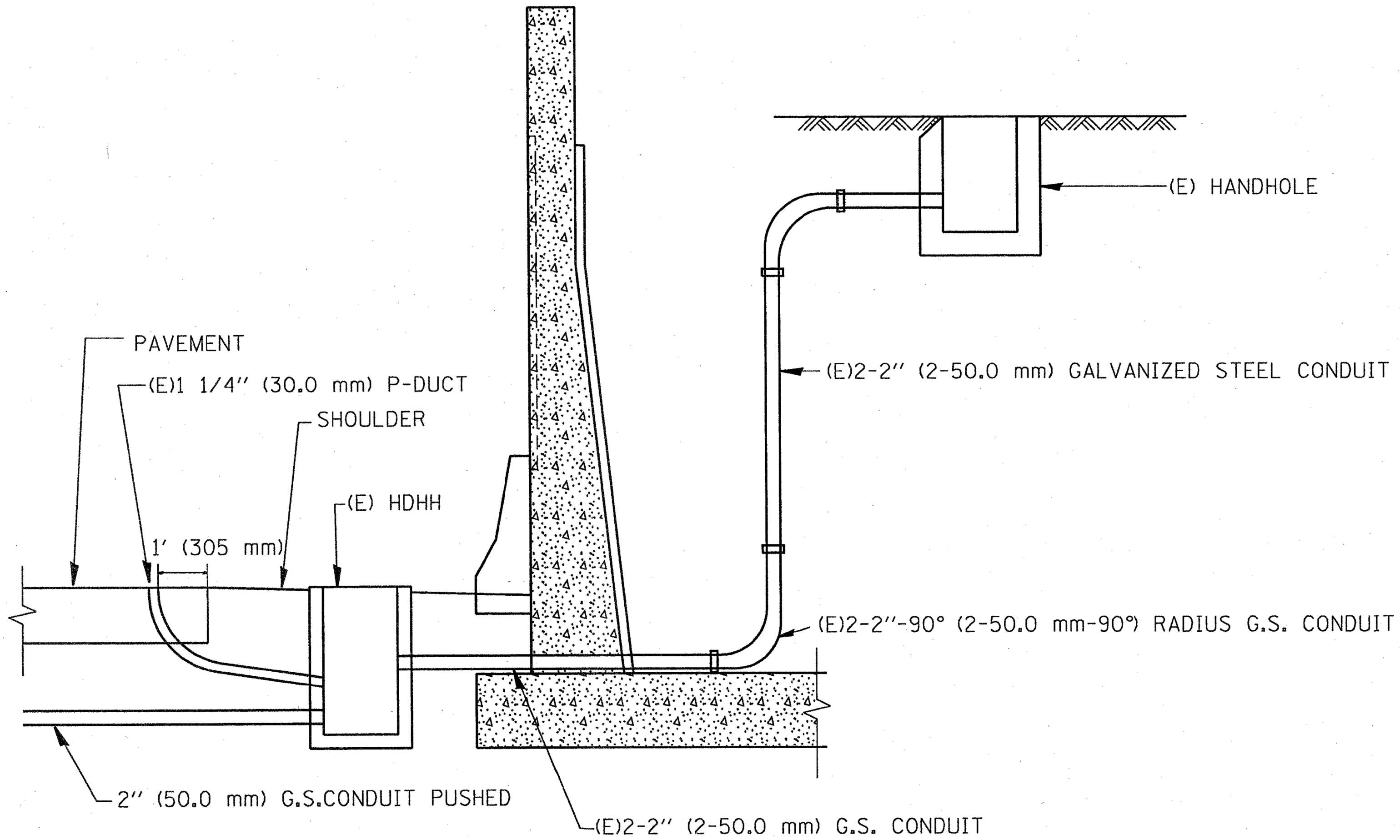
USER NAME = ANugent	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

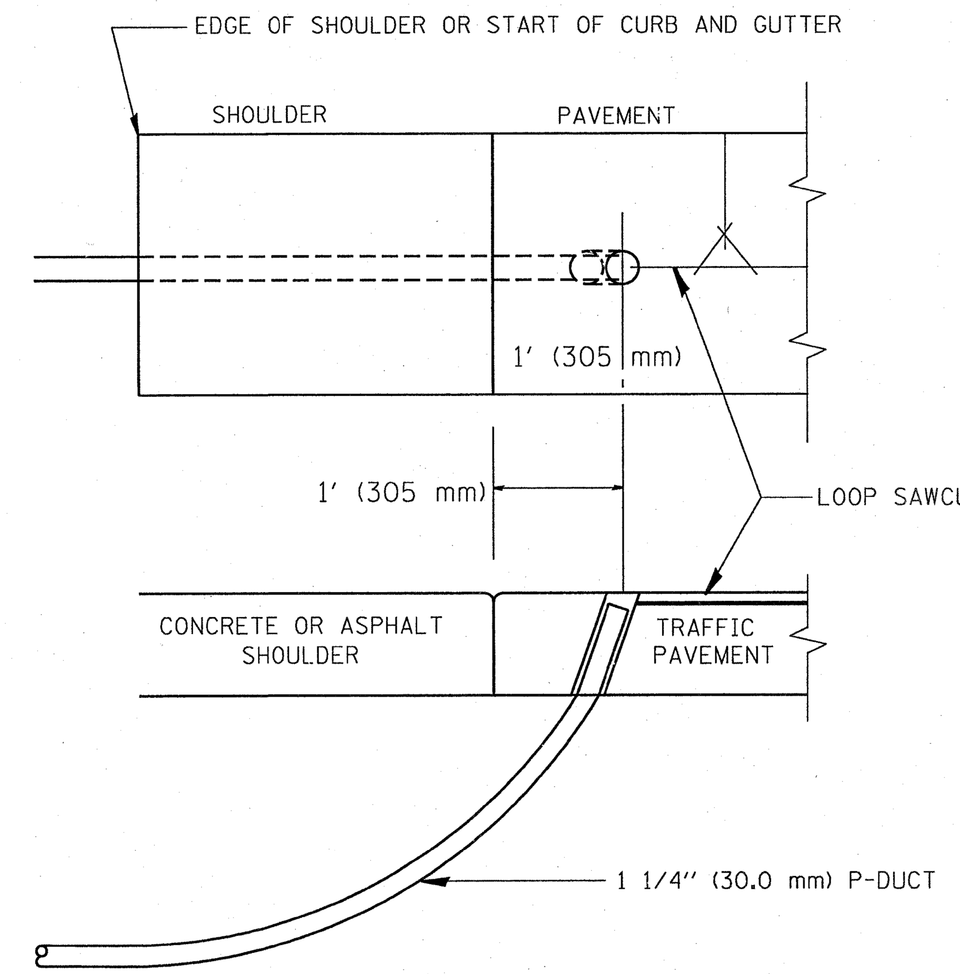
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
EXISTING ITS DETAILS - FOR INFORMATION ONLY

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	65
		CONTRACT NO. 62M06		

ILLINOIS | FED. AID PROJECT



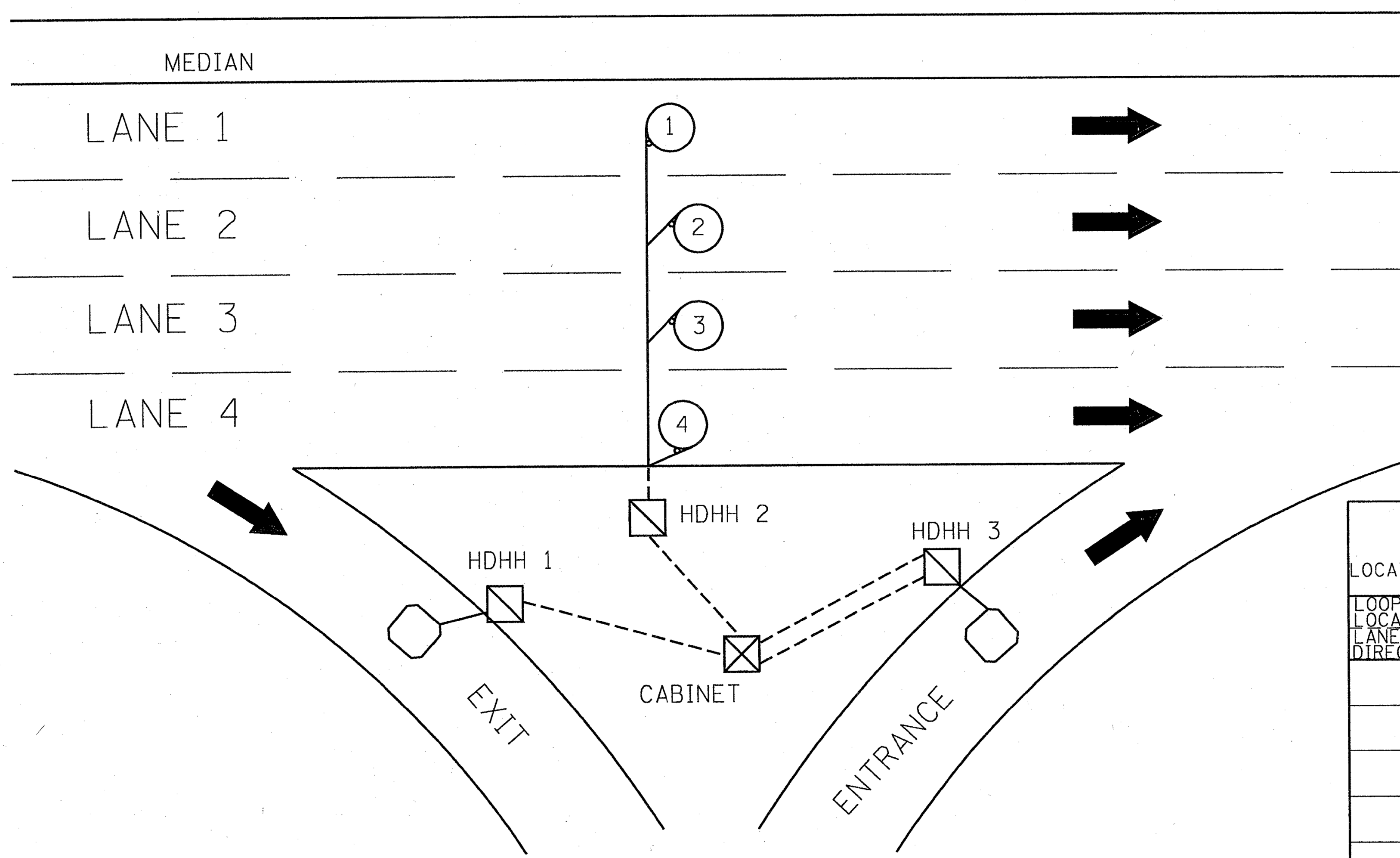


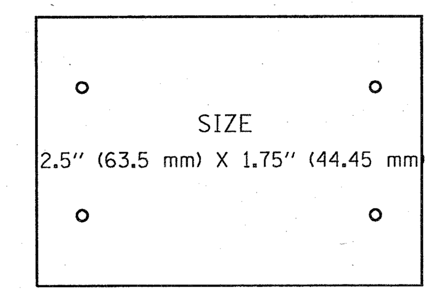
SHOULDER LOOP LEAD-IN TRANSITION DETAIL

FOR INFORMATION ONLY

FILE NAME = C:\d106010\I55TSCTYP.dgn	USER NAME = mazog	DESIGNED - R.L.	REVISED - 6/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	TYPICAL INDUCTION LOOP LEAD-IN TRANSITION DIAGRAMS	F.A.I. RTE. 55	SECTION 99 (1+2) RS-12	COUNTY Will; TOTAL SHEETS 110; SHEET NO. 60
		DRAWN - G.W.	REVISED - 11/95					CONTRACT NO. 60K04
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - R.L.	REVISED - 05/96		SCALE: NONE; SHEET NO. OF SHEETS; STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
	PLOT DATE = 2/8/2010	DATE - 6-22-94	REVISED - 10/96					

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#5)





SUGGESTED TAG
PANDUIT
#MP250W175-C
OR EQUIVALENT

LOOP ANALYZER

LOCATION________ DATE________

LOOP LOCATION LANE DIRECTION	LOOP WIRE MARKED AND CODED	LOOP SIZE	FREQ. INDUCTANCE	INSULATION	LOOP RESISTANCE

HDHH 1 EXAMPLE

IB-EB EXIT
CCW IN/
TO CABINET #____

HDHH 2 EXAMPLE

IB (OB) LANE #___
CCW /OUT
TO CABINET #____

HDHH 3 EXAMPLE

IB-EB ENT.
LOOP #2
CW IN/

NOTE:
EACH LOOP WIRE SHALL BE TAGGED AS "IN" OR "OUT" AND "CW" OR "CCW". SHIELDED CABLE WILL BE TAGGED IN EACH HANDHOLE AND CABINET TO MATCH THE CABLE LOG.

FOR INFORMATION ONLY

FILE NAME = C:\d106010\I55TSCTYP.dgn	USER NAME = mezeg	DESIGNED - J.G.	REVISED -
		DRAWN - G.M.	REVISED -
	PLOT SCALE = 100.0000 '/ IN.	CHECKED - J.G.	REVISED -
	PLOT DATE = 2/8/2010	DATE - 01-26-2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

LOOP STATUS REPORT

SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) RS-12	Will	110	61
		CONTRACT NO. 60K04		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#7A)

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-detectorloop-014.dgn

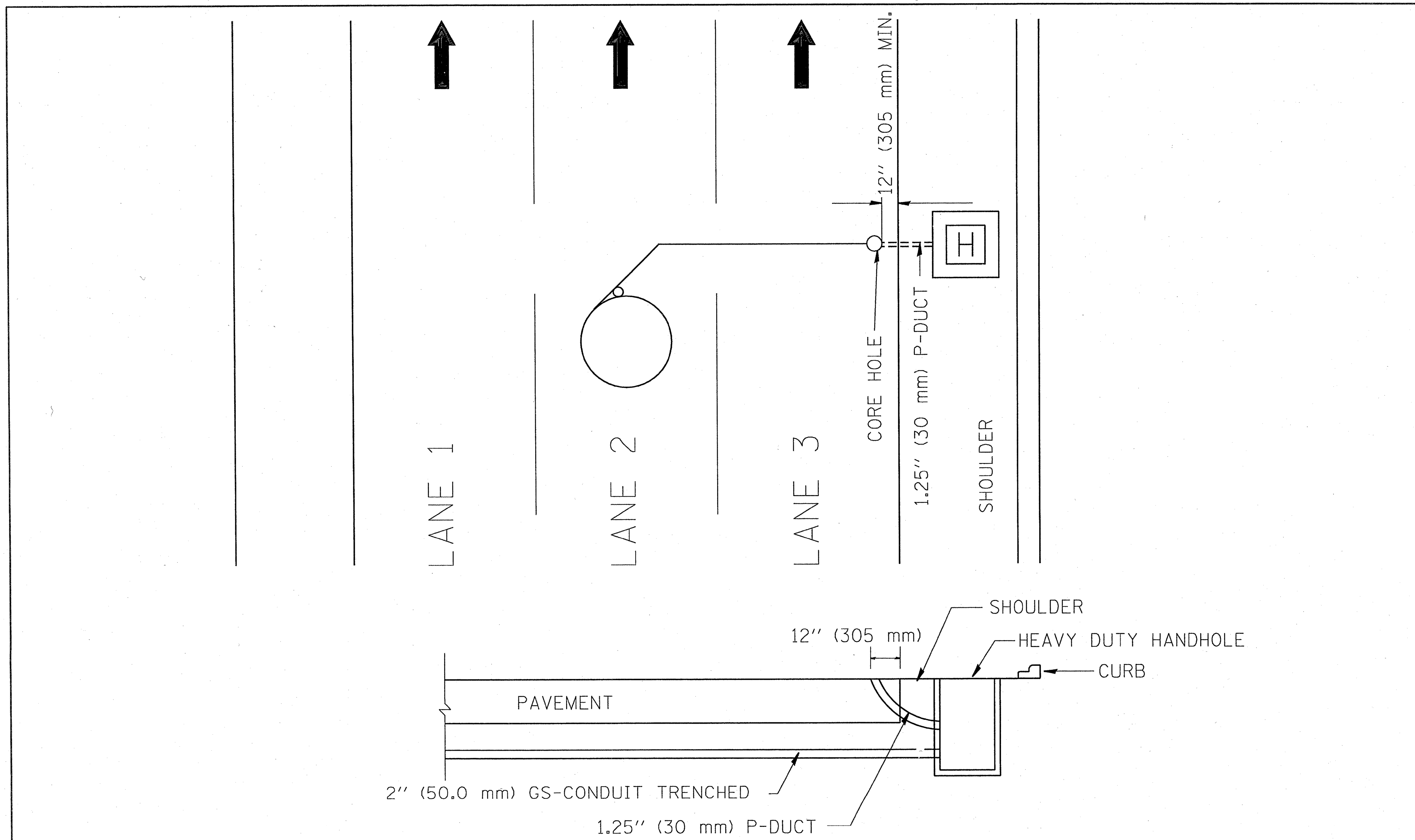
USER NAME = ANugent	DESIGNED - JH	REVISED -
	DRAWN - SH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
EXISTING ITS DETAILS – FOR INFORMATION ONLY

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	67
		CONTRACT NO. 62M06		
	ILLINOIS FED. AID PROJECT			



FOR INFORMATION ONLY

FILE NAME = C:\d106010\I55TSCTYP.dgn

USER NAME = mazog | PLOT SCALE = 100.0000 ' / IN. | PLOT DATE = 2/8/2010

DESIGNED - R.L. | DRAWN - G.M. | CHECKED - R.L. | DATE - 11/7/95

REVISED - R.L. | REVISED - T.C. | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

DIVE HOLE DUCT SYSTEM

SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1+2) RS-12	Will	110	62

CONTRACT NO. 60K04

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

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#8)

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 W004 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-detectorloop-015.dgn

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DESIGNED - JH | DRAWN - SH | CHECKED - JH | DATE - 10/15/2020

REVISED - | REVISED - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

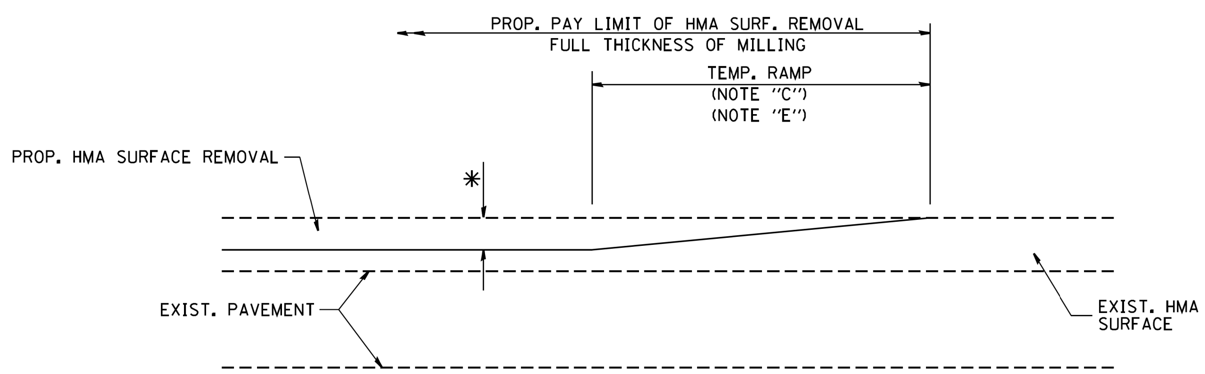
I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
EXISTING ITS DETAILS – FOR INFORMATION ONLY

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	68

CONTRACT NO. 62M06

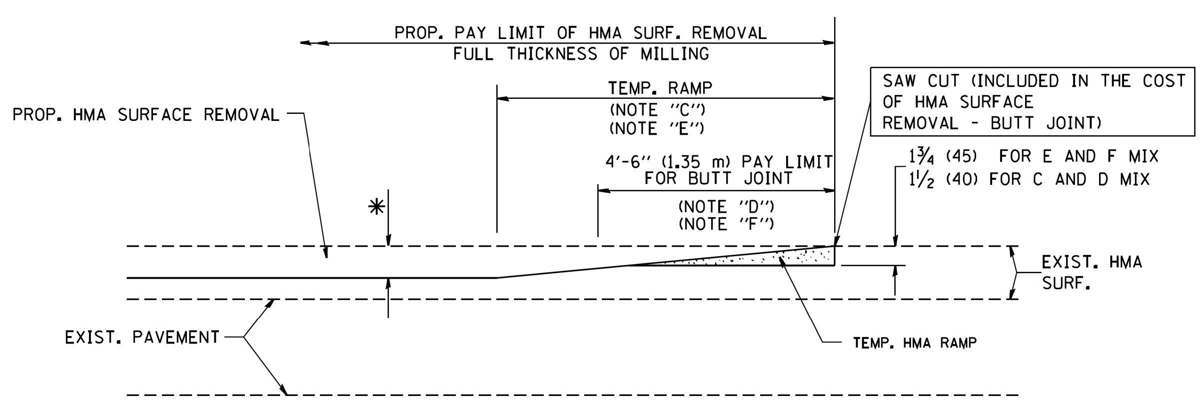
ILLINOIS | FED. AID PROJECT



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

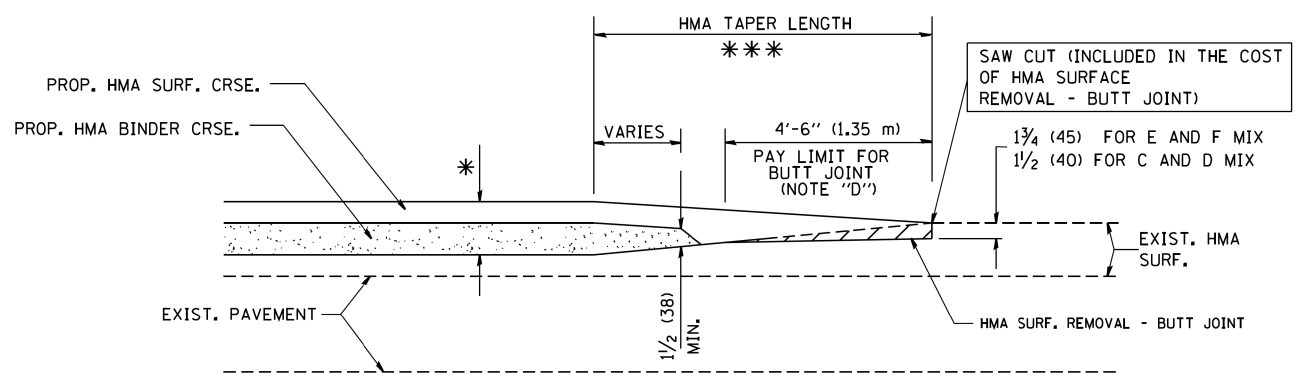


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

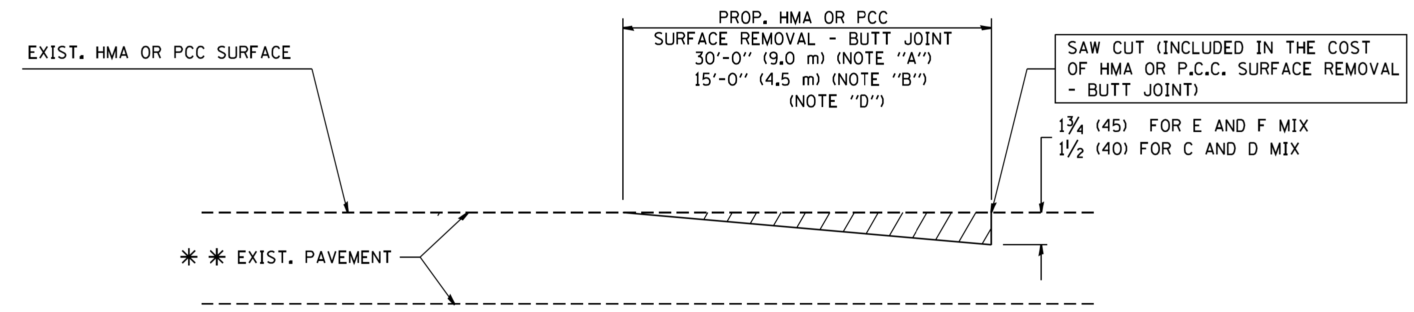
OPTION 2

TYPICAL TEMPORARY RAMP

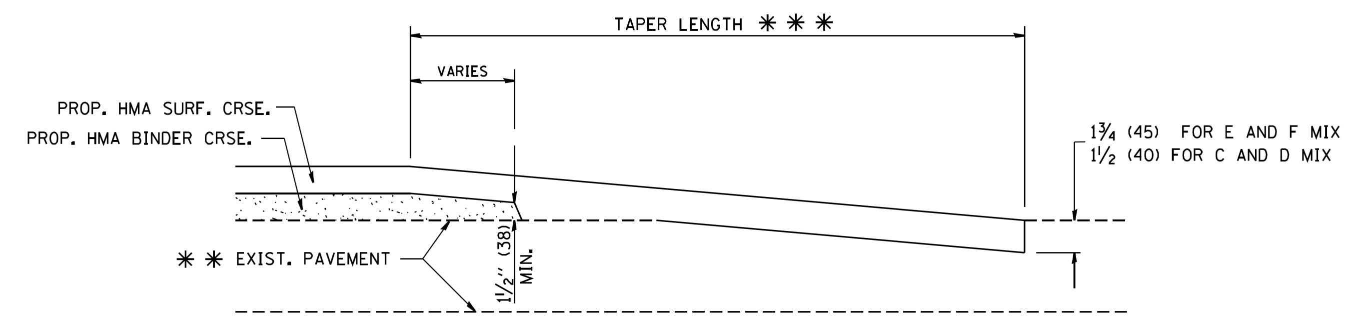


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 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:

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".

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

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-D1-001.dgn

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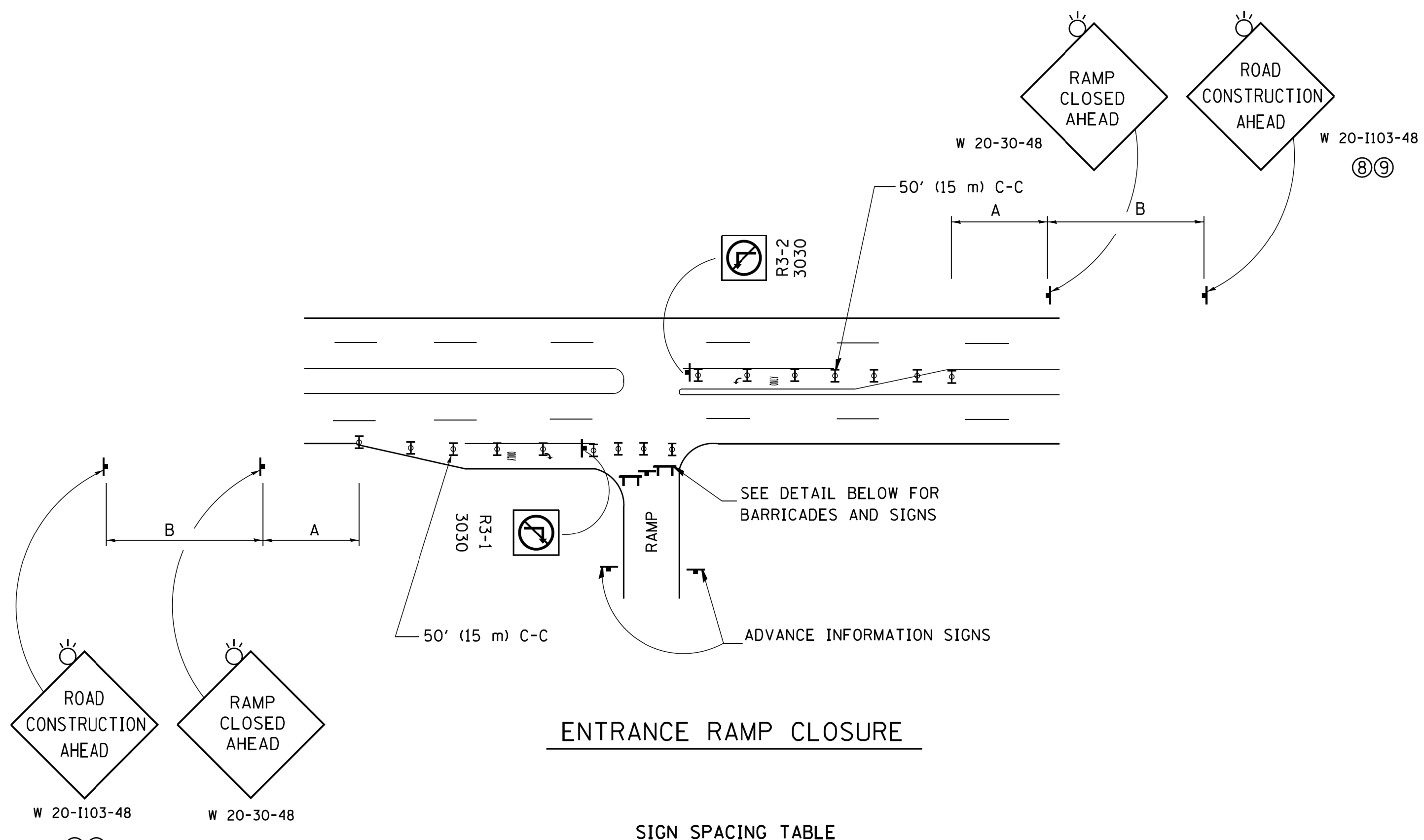
	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
DISTRICT 1 DETAILS – BD-32

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	69
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		

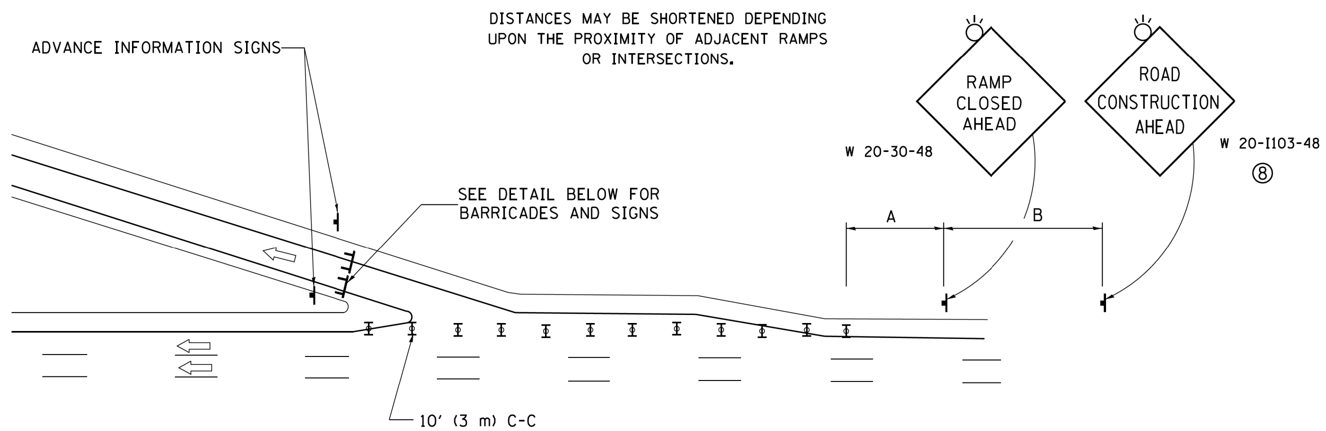


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS A	DISTANCE BETWEEN SIGNS 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.

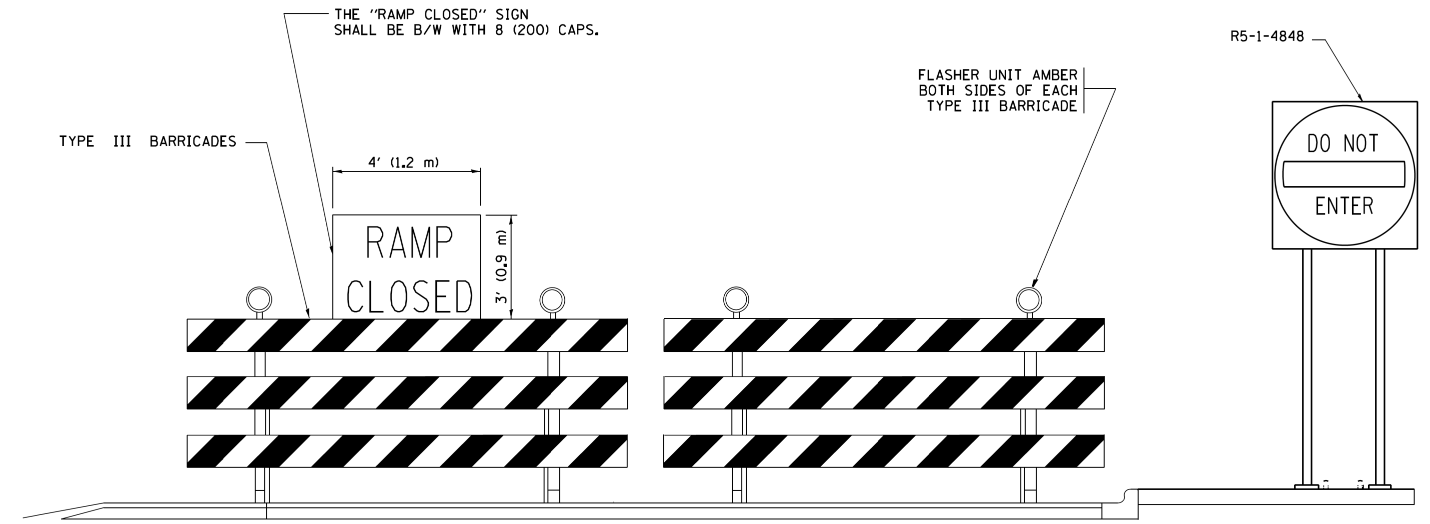


EXIT RAMP CLOSURE

SYMBOLS

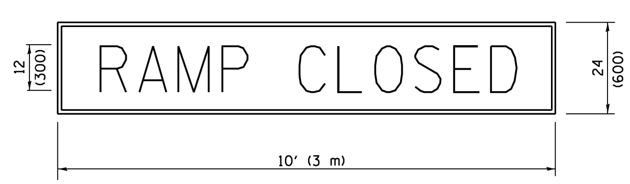
TYPE II BARRICADE OR DRUM

TYPE III BARRICADE WITH 2 FLASHING LIGHTS



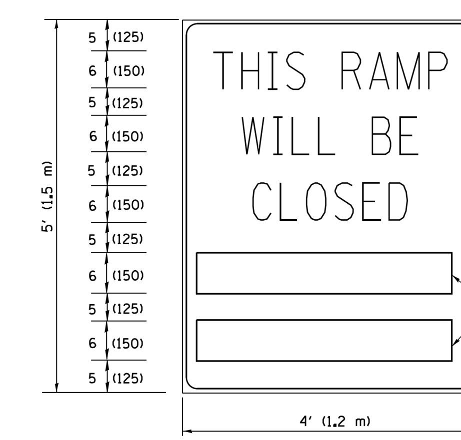
DETAIL FOR REQUIRED BARRICADES & SIGNS

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.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

½ (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, PRECEEDED 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: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-D1-002.dgn

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	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
DISTRICT 1 DETAILS – TC-08

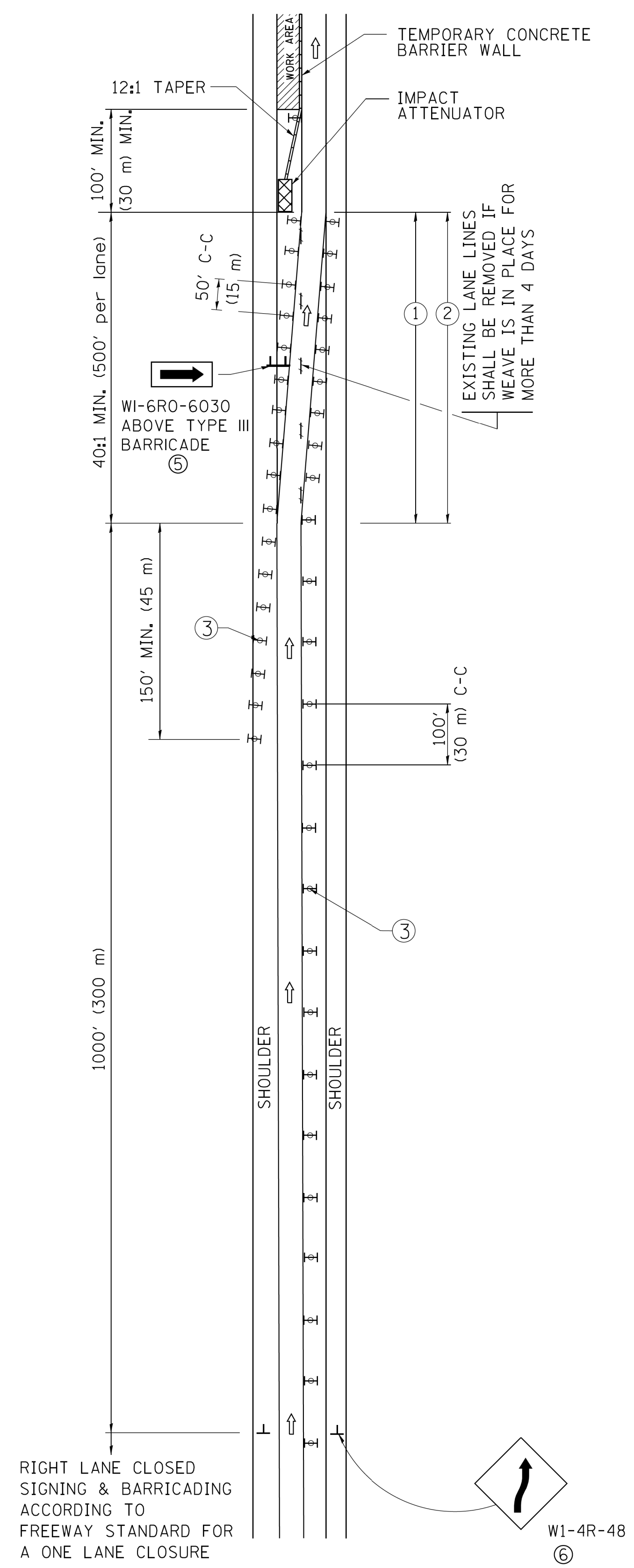
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	70

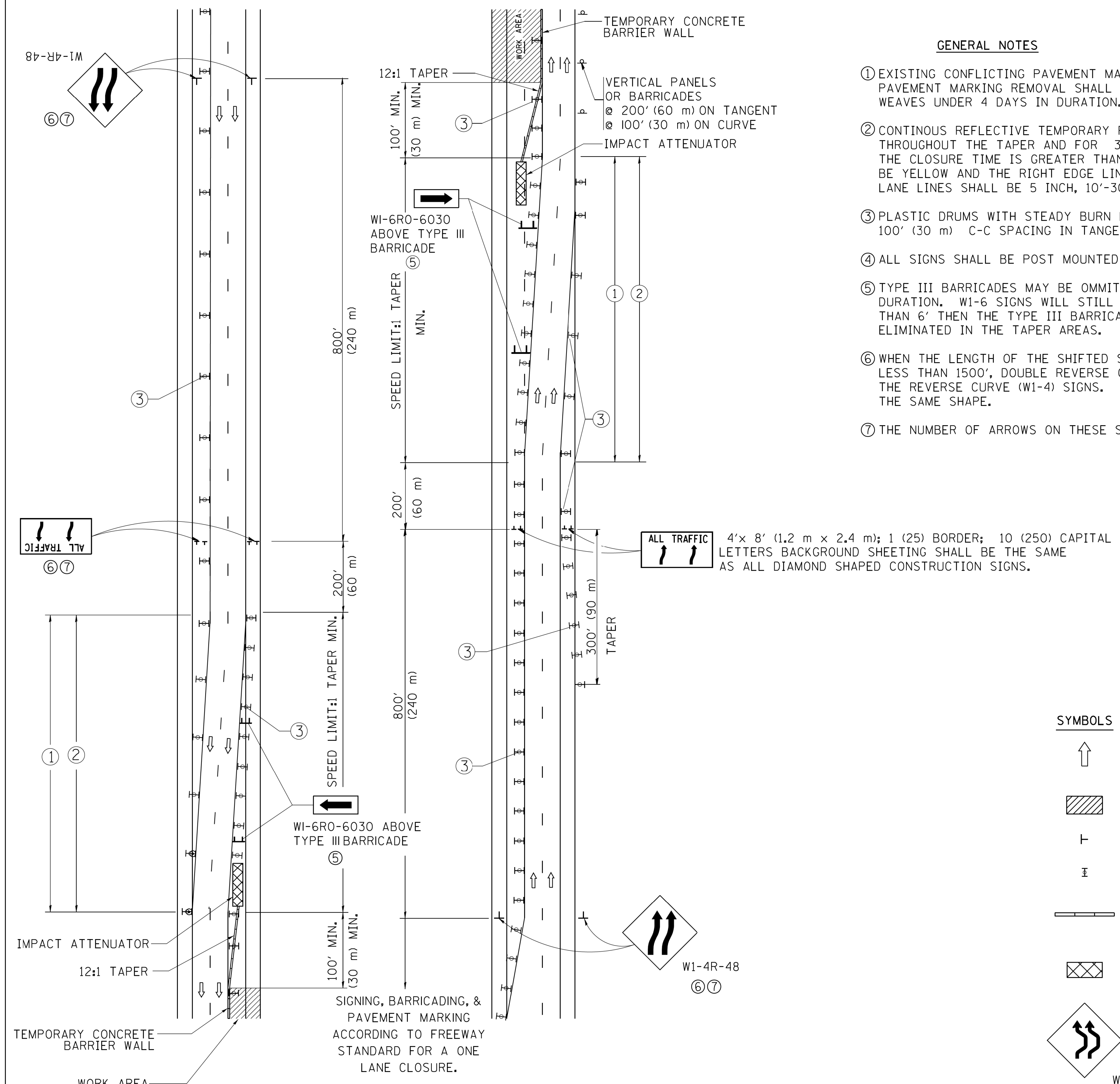
CONTRACT NO. 62M06

ILLINOIS FED. AID PROJECT

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 CONTINOUS 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.

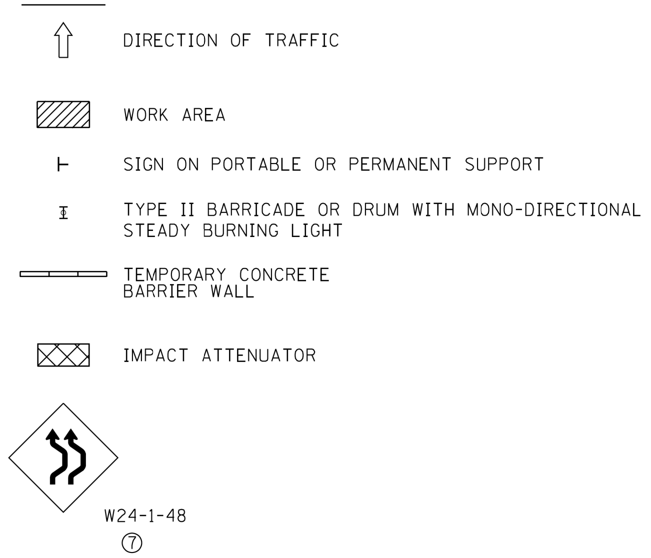
④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.

⑤ TYPE III BARRICADES MAY BE OMMITTED 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.

SYMBOLS



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
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	DRAWN - SH	REVISED -	
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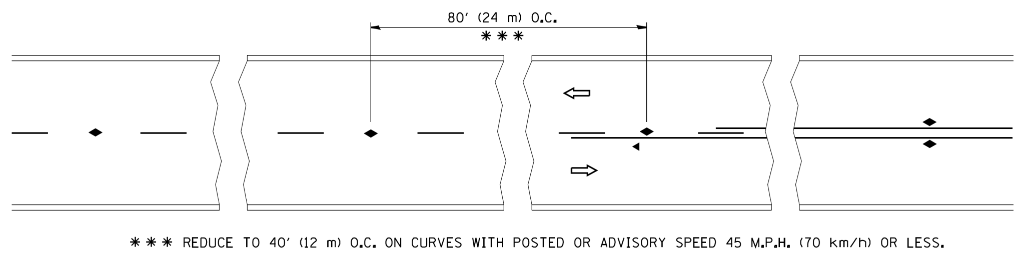
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
DISTRICT 1 DETAILS – TC-09

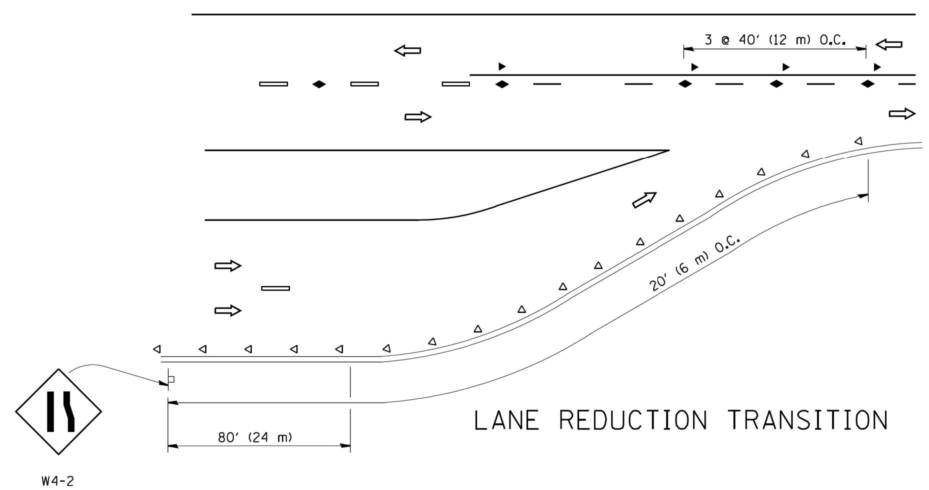
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	71
		CONTRACT NO. 62M06		
		ILLINOIS FED. AID PROJECT		

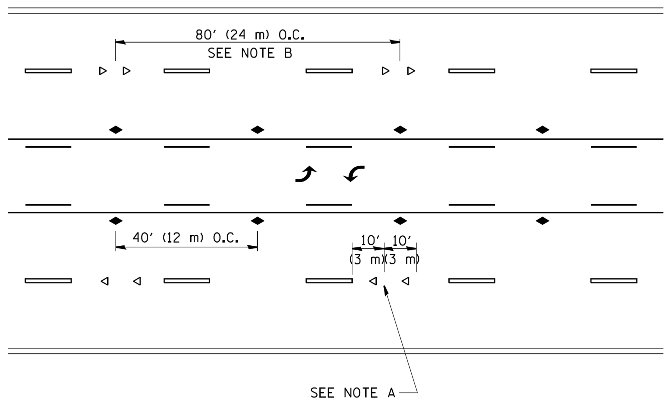


✱✱✱ REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

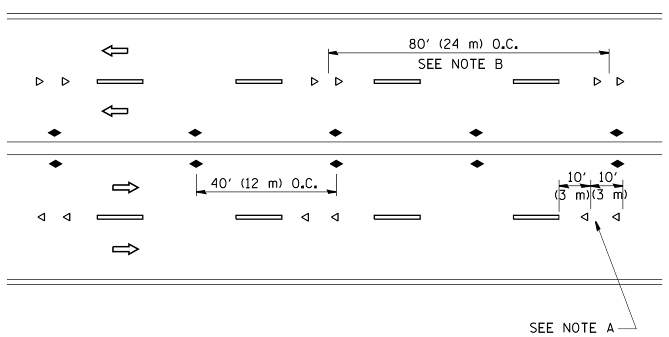
TWO-LANE/TWO-WAY



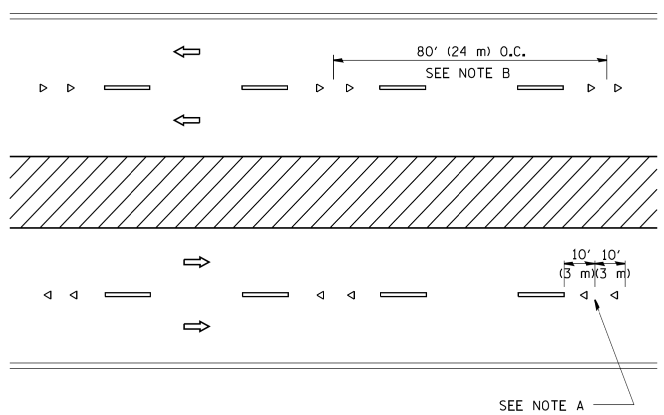
LANE REDUCTION TRANSITION



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.

SYMBOLS

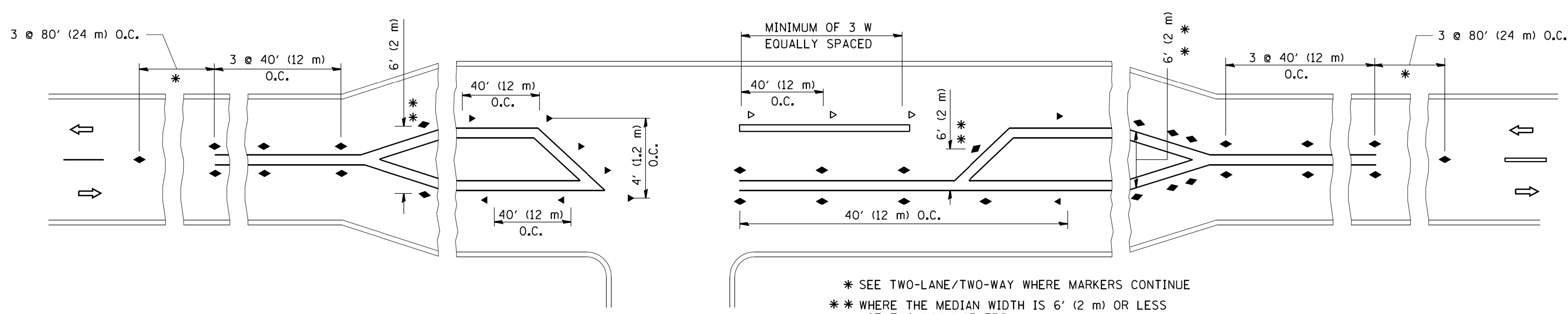
YELLOW STRIPE
WHITE STRIPE
ONE-WAY AMBER MARKER
ONE-WAY CRYSTAL MARKER (W/O)
TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

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

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-D1-004.dgn

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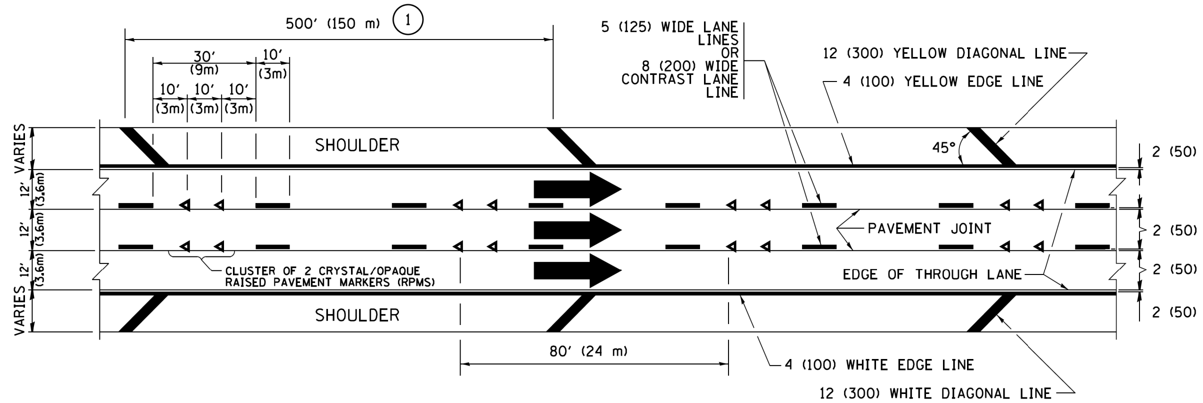
	DRAWN - SH	REVISED -		
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -		
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

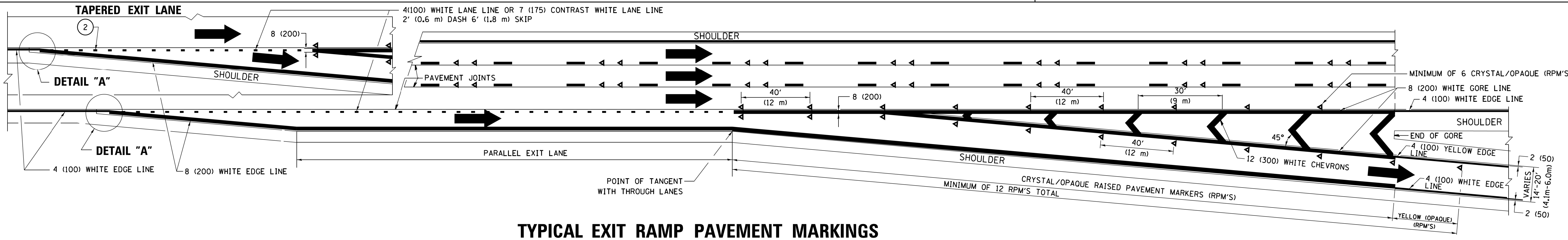
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	72
CONTRACT NO. 62M06				
ILLINOIS FED. AID PROJECT				



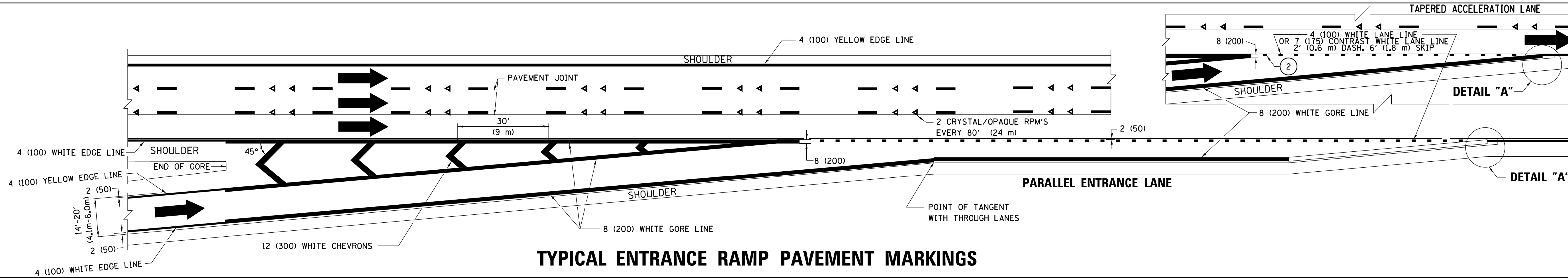
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

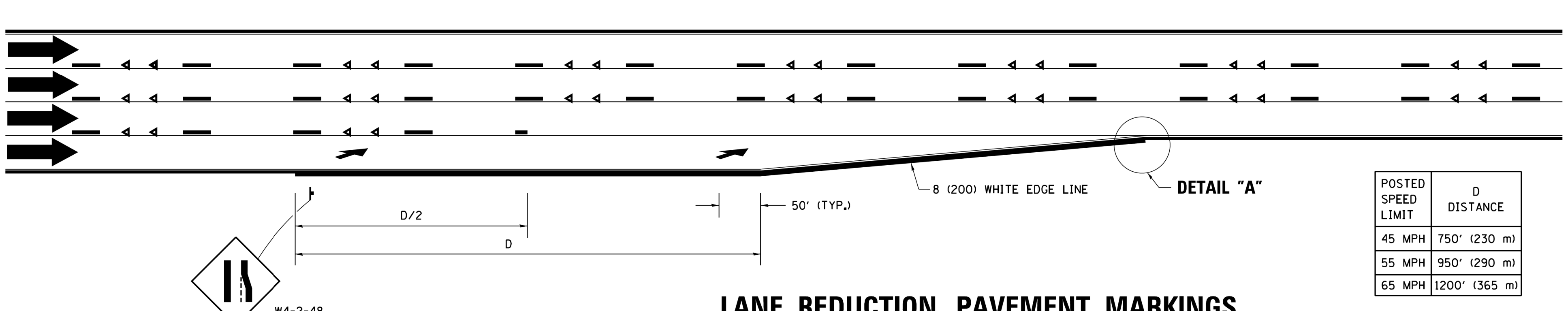
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE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

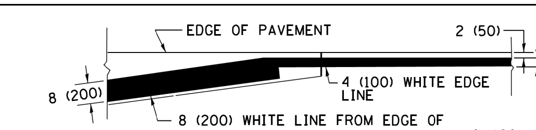


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

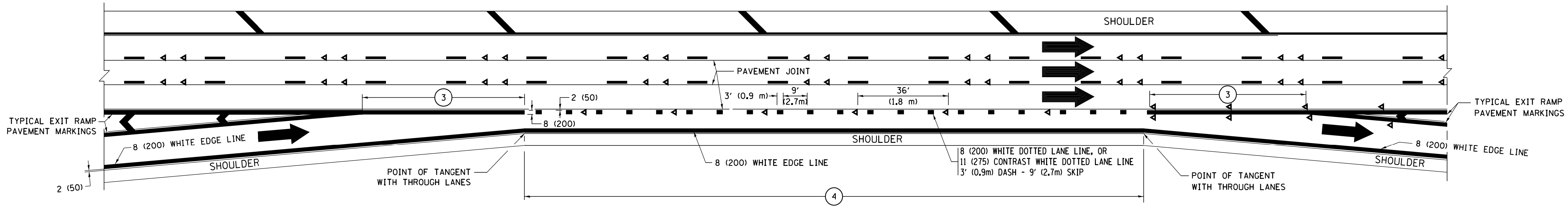
LANE REDUCTION PAVEMENT MARKINGS



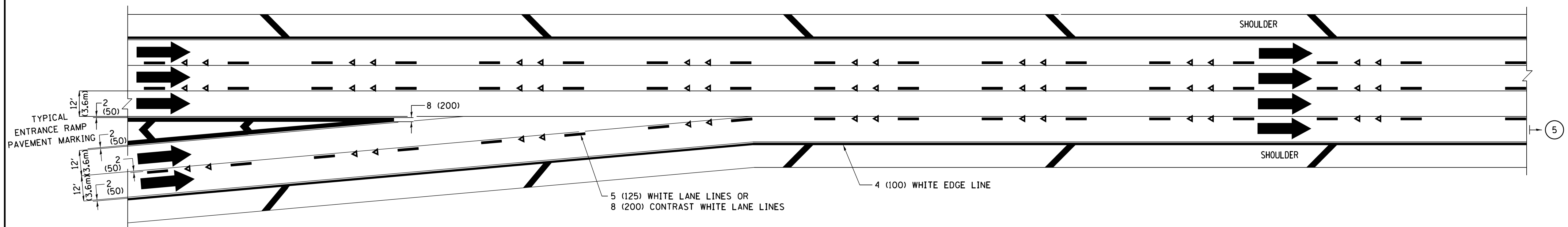
DETAIL "A"

NOTES:

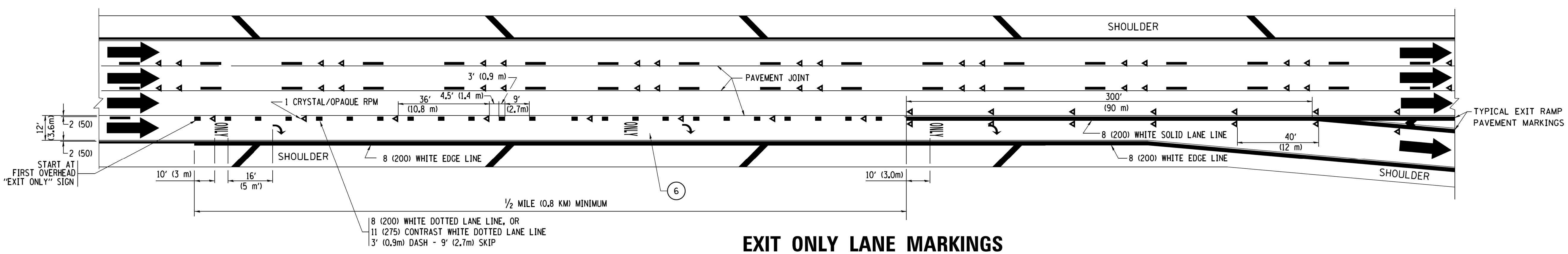
1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
2. 4'' (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT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



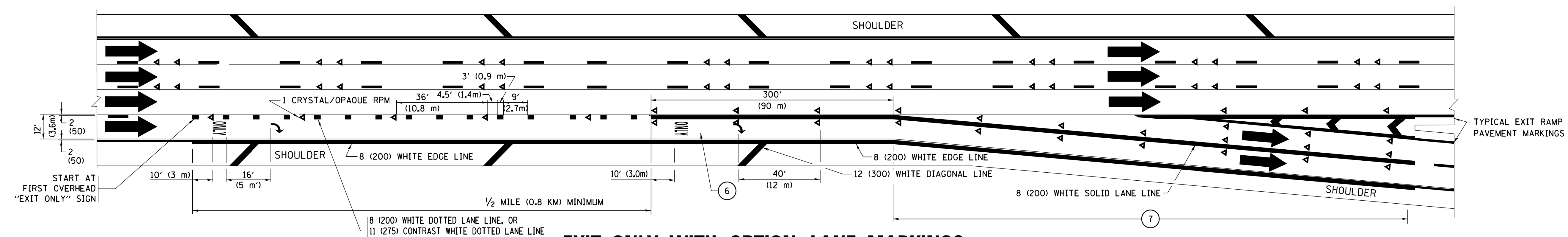
AUXILIARY LANE MARKINGS



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.

MODEL: Default
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PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
DISTRICT 1 DETAILS – TC-12

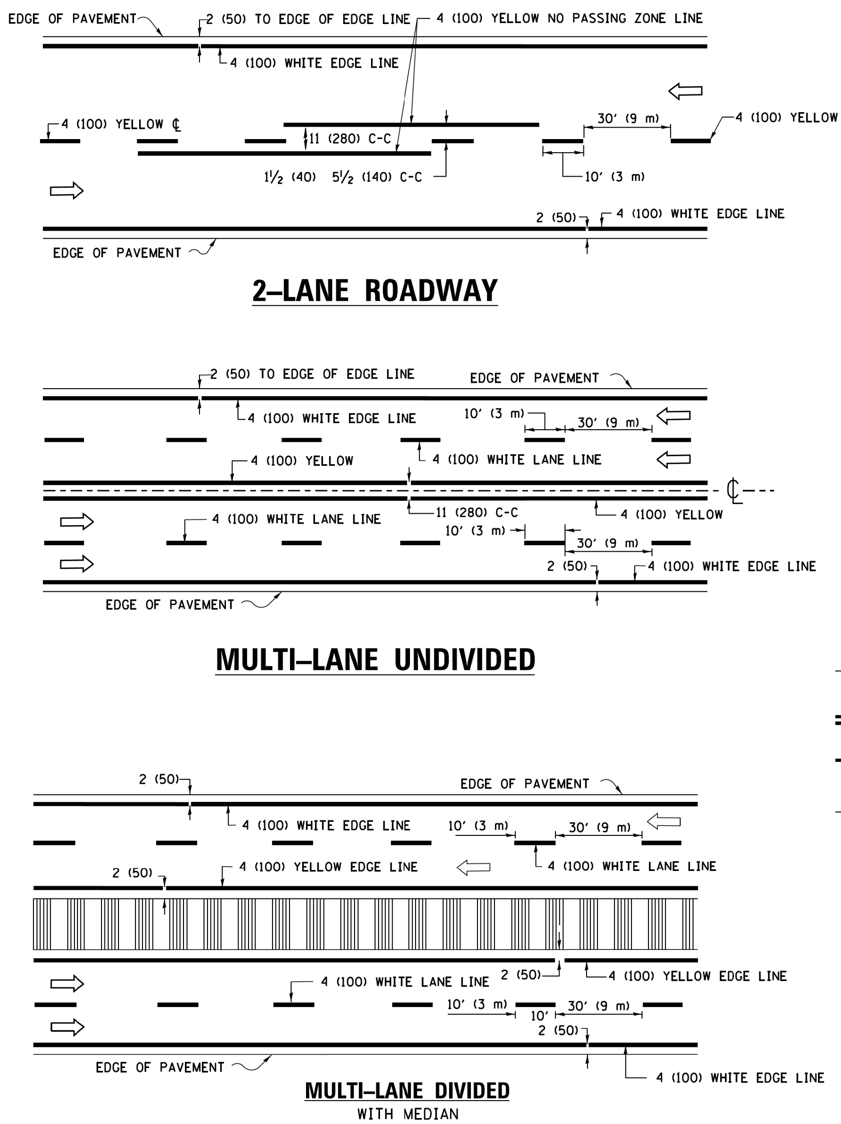
SCALE: | SHEET | OF | SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	74

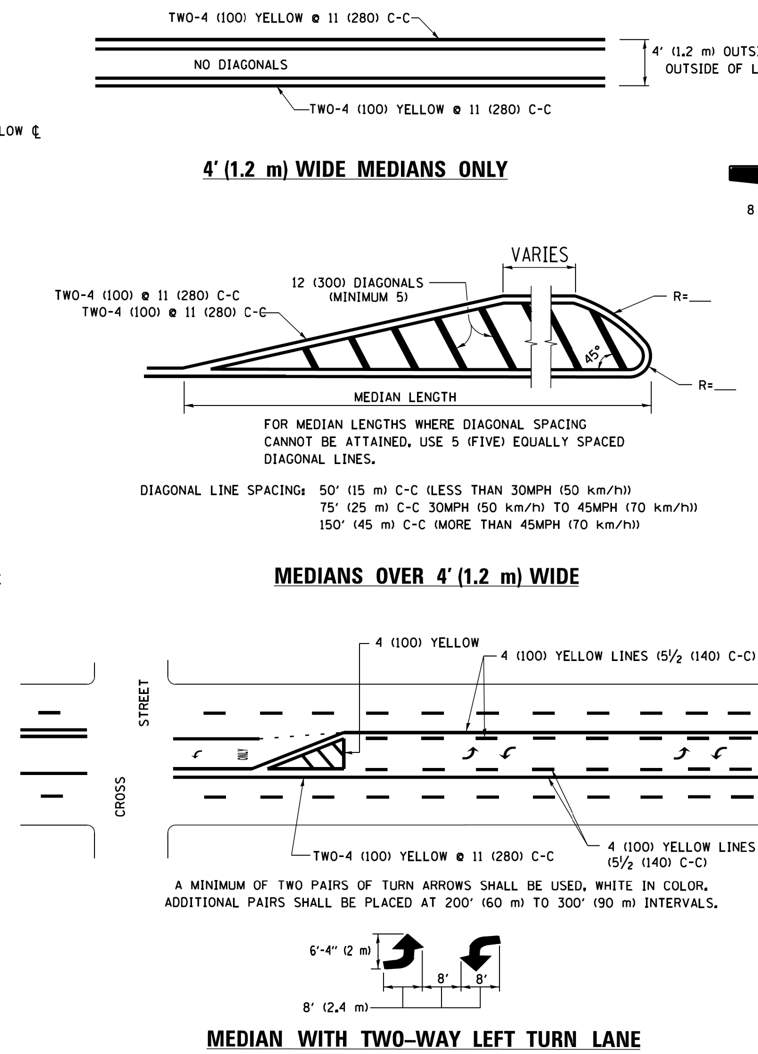
CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT

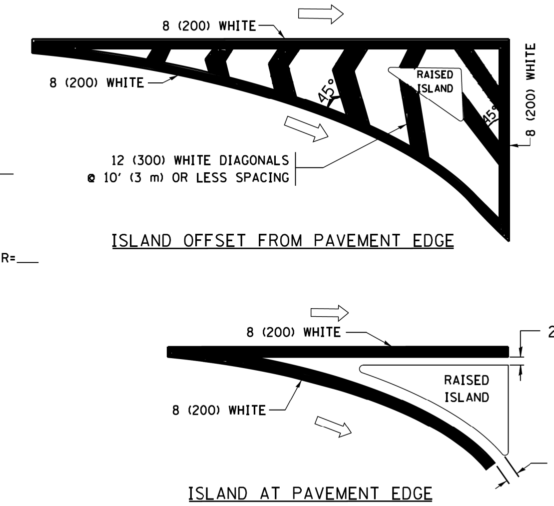
TYPICAL LANE AND EDGE LINE MARKING



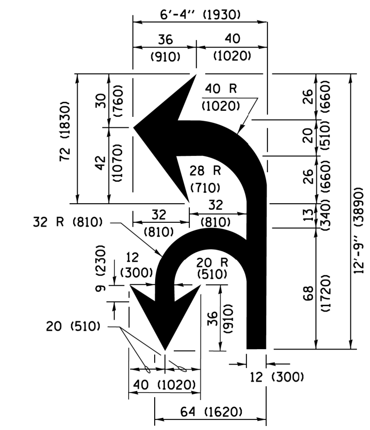
TYPICAL PAINTED MEDIAN MARKING



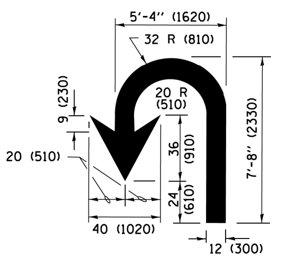
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN

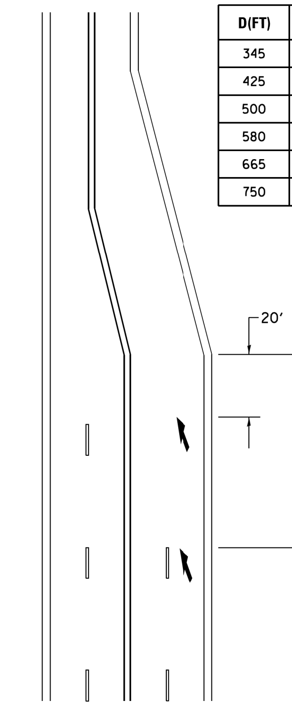


U-TURN



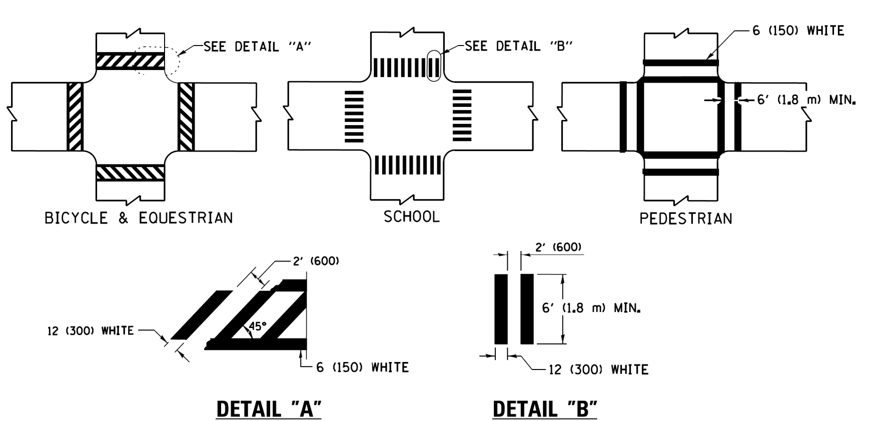
D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION



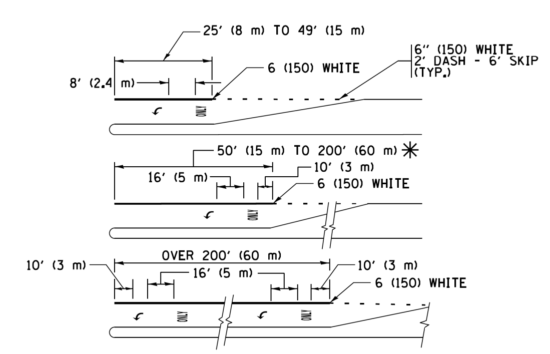
✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPICAL CROSSWALK MARKING



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

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".

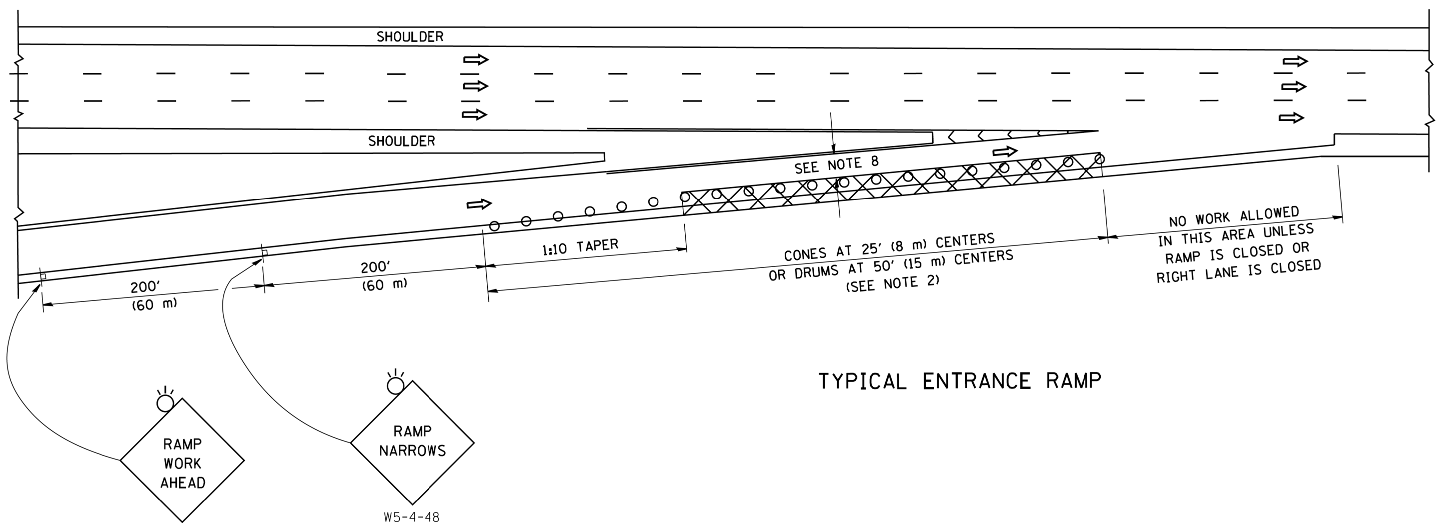
TYPICAL LEFT (OR RIGHT) TURN LANE

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; 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

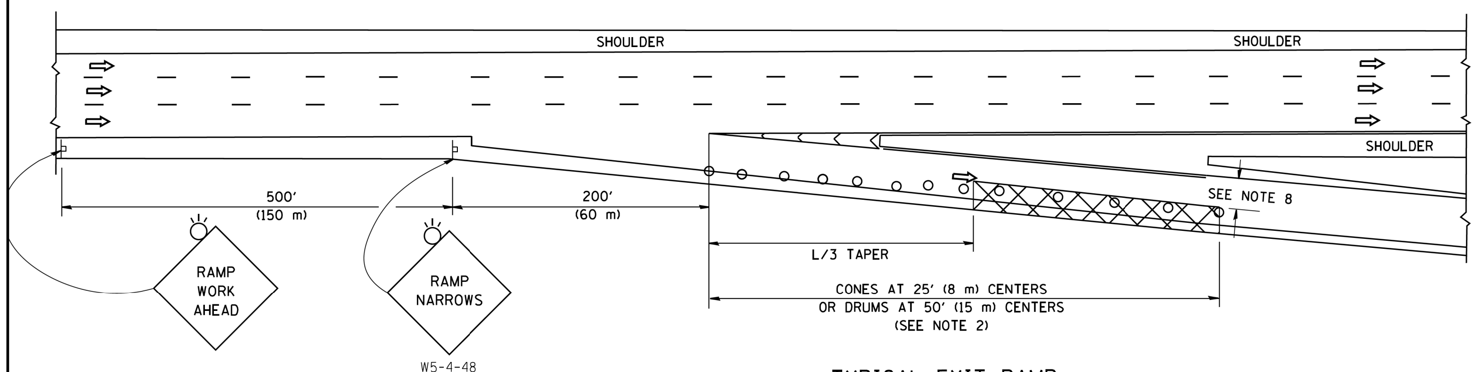
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

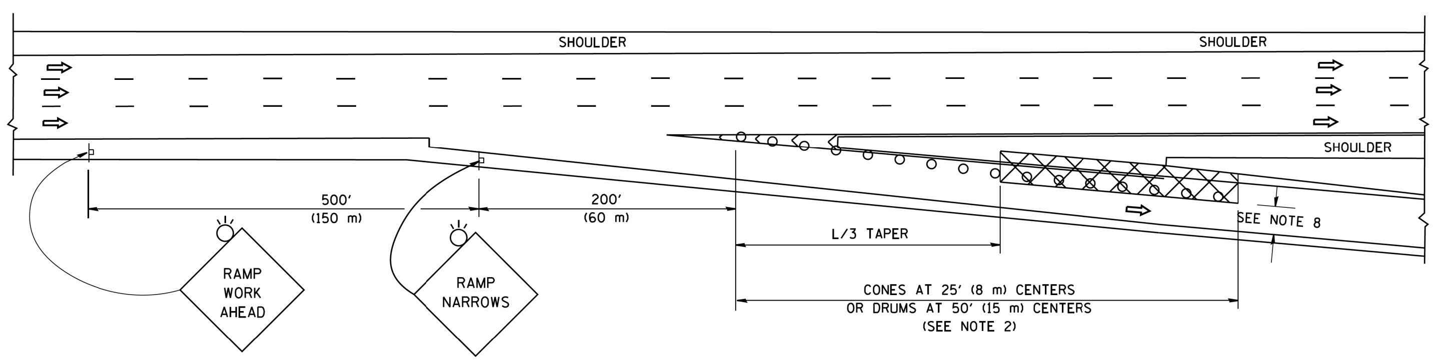
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP

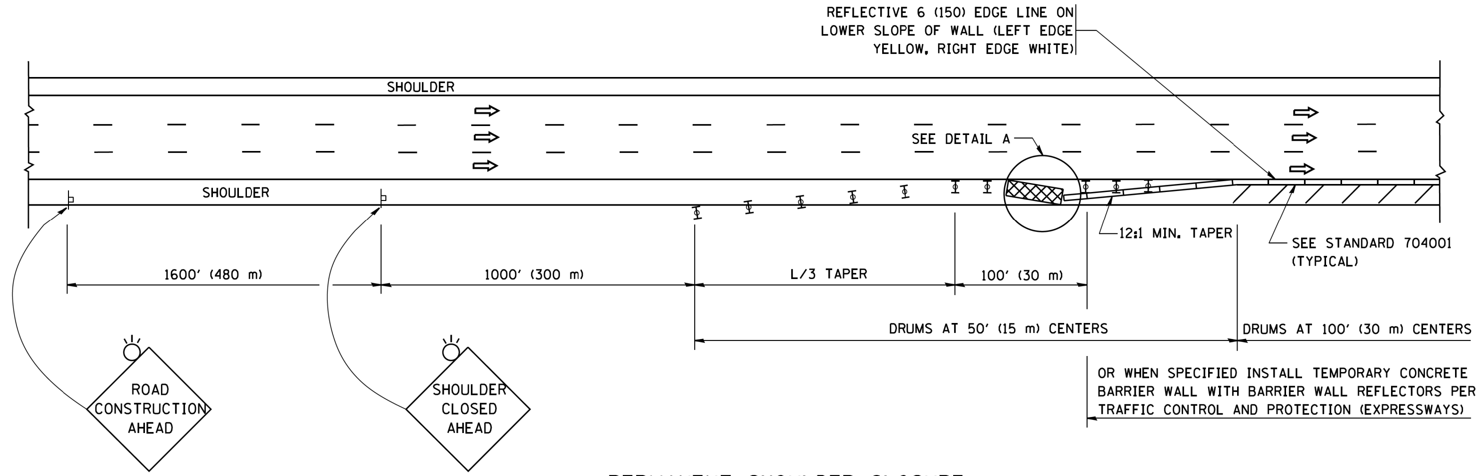


TYPICAL EXIT RAMP

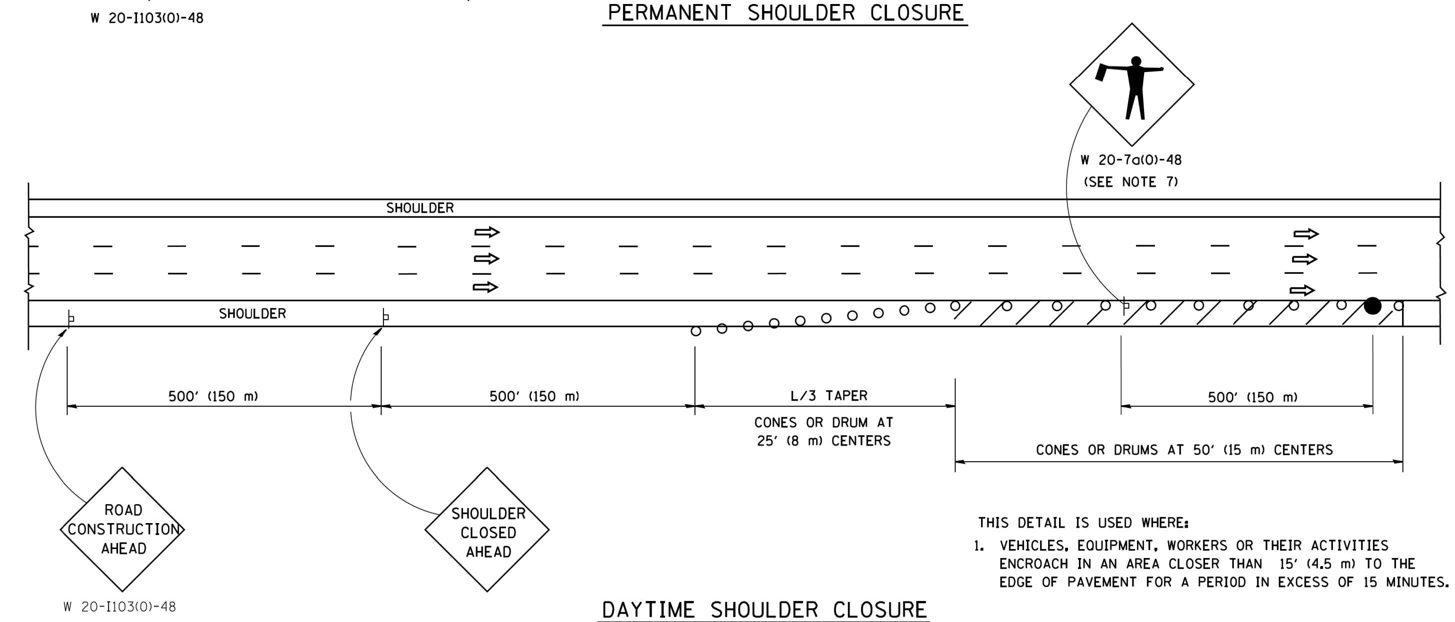


TYPICAL EXIT RAMP

SHOULDER CLOSURE DETAILS



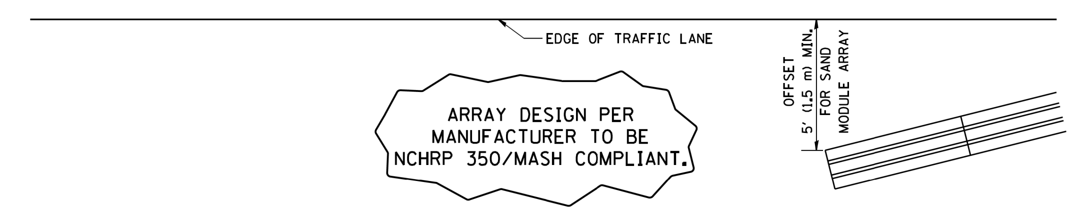
PERMANENT SHOULDER CLOSURE



THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

DAYTIME SHOULDER CLOSURE



DETAIL "A"
IMPACT ATTENTUATOR, TEMPORARY
(SEE NOTE 5)

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 METRIC	ENGLISH
45 mph (80 km/h) OR GREATER:	L=0.65(W)(S)	L=(W)(S)

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)

2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTICLES, 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.
5. THE IMPACT ATTENTUATOR, 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 AVTIVITY 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.

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	DRAWN - SH	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
PLOT DATE = 10/15/2020	DATE - 10/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
DISTRICT 1 DETAILS – TC-17

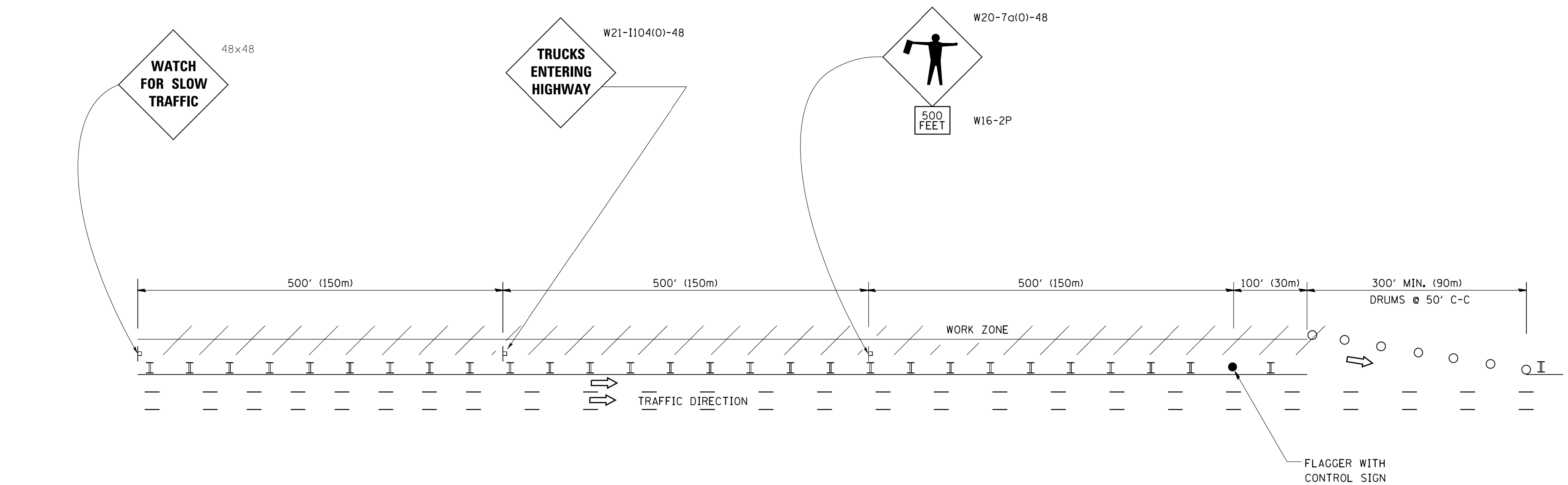
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	76

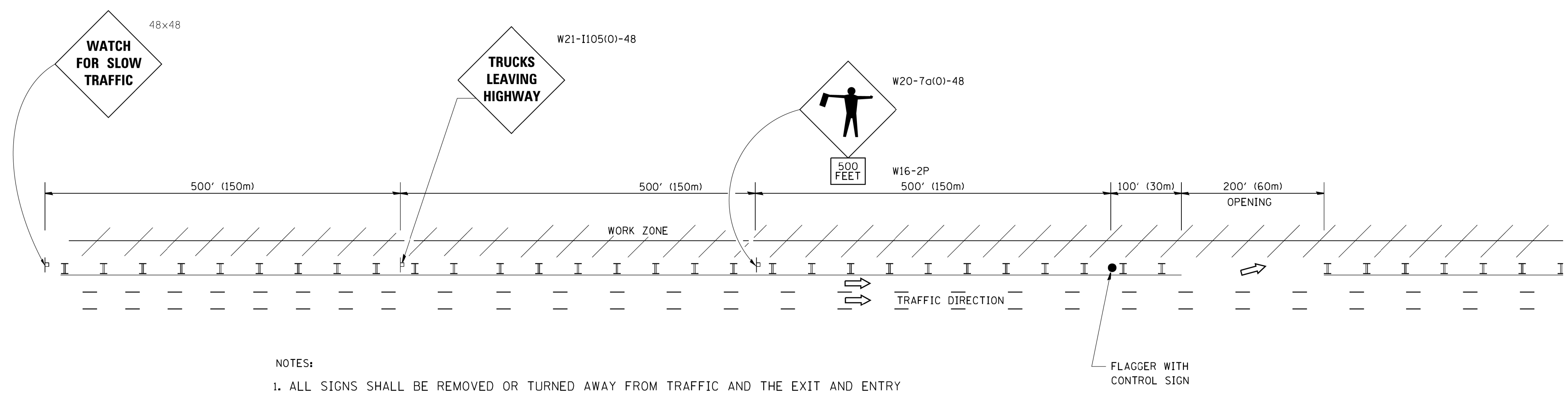
CONTRACT NO. 62M06
ILLINOIS | FED. AID PROJECT

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

MODEL: Default
FILE NAME: Z:\19038.04 IDOT D1 PTB 192-007 WO04 I-55 Resurfacing\DGN\Design\Prelim\Plotsheets\D162M06-sht-details-D1-009.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
DISTRICT 1 DETAILS – TC-18

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

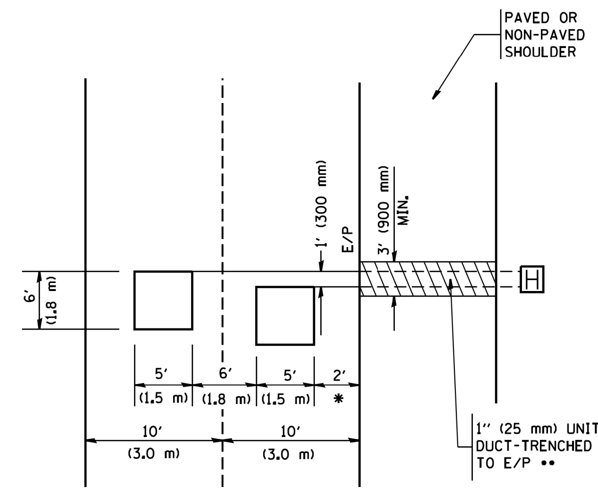
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	77

CONTRACT NO. 62M06

ILLINOIS | FED. AID PROJECT

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



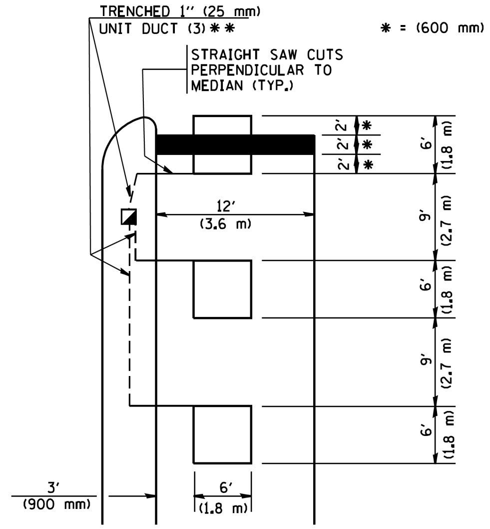
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

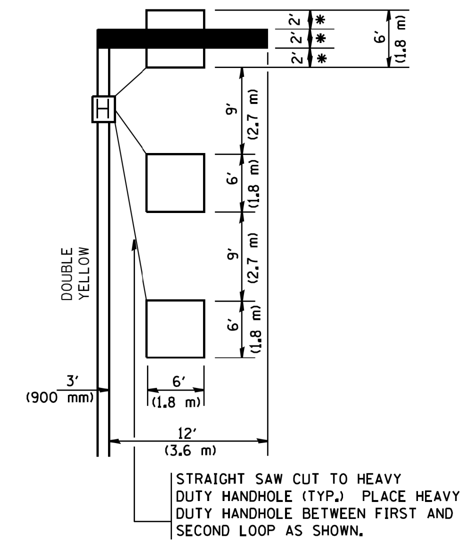


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

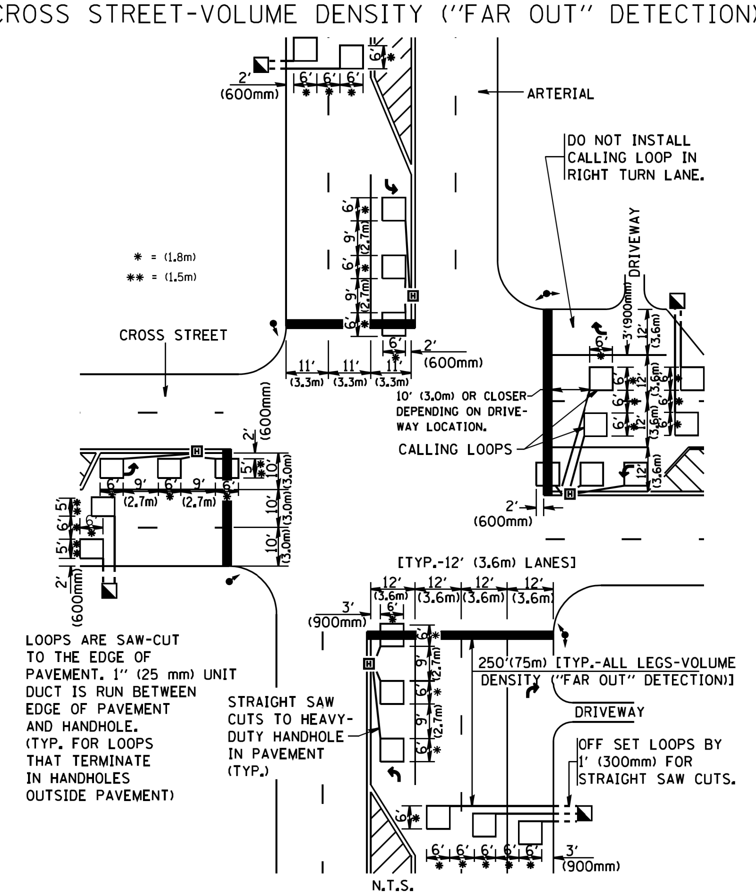
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

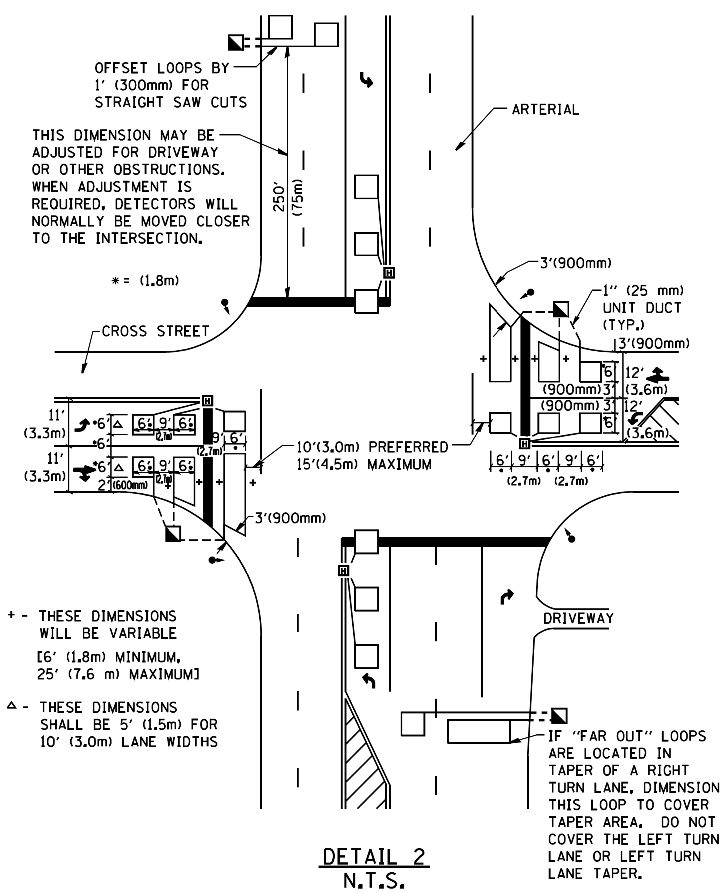
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

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PLOT SCALE = 2.0000 ' / in.	CHECKED - JH	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 (NORTH OF RIVER RD TO NORTH OF I&M CANAL)
DISTRICT 1 DETAILS – TS-07

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-128-RS	WILL	78	78

CONTRACT NO. 62M06

ILLINOIS FED. AID PROJECT