

SP	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	
				BRIDGE	
				0047	
				90% FEDERAL 10% STATE	
				I-55 SN 099-0001 SN 099-0002	
				URBAN	
	X1200201	STRIP SEAL GLAND REPLACEMENT	FOOT	97	
	X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	36	
	* X2700027	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8", CONTRAST	FOOT	640	
	X5030530	FLOOR DRAIN EXTENSIONS	EACH	121	
	X7011015	TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS)	LSUM	1	
	X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	92	
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	29130	
	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	36	
	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	224	
	* X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	2140	
	* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	640	
	X8570000	SMART TRAFFIC MONITORING SYSTEM	LSUM	1	
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1098	
Ø	Z0076600	TRAINEES	HOURS	500	500
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500

SP	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	
				BRIDGE	
				0047	
				90% FEDERAL 10% STATE	
				I-55 SN 099-0001 SN 099-0002	
				URBAN	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

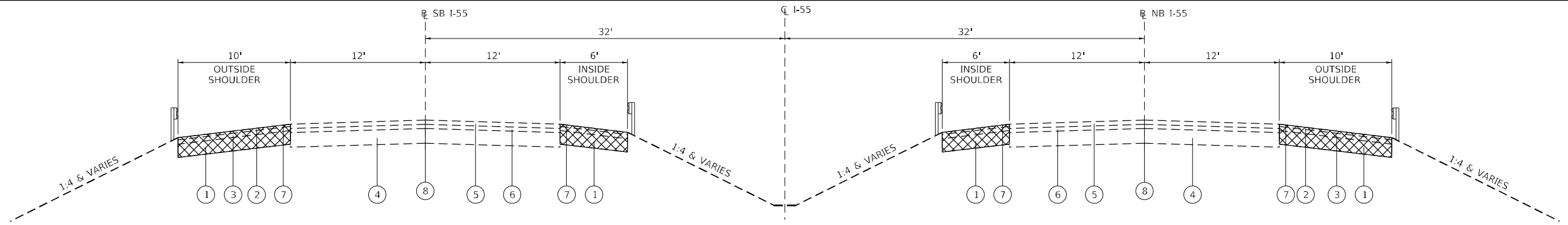
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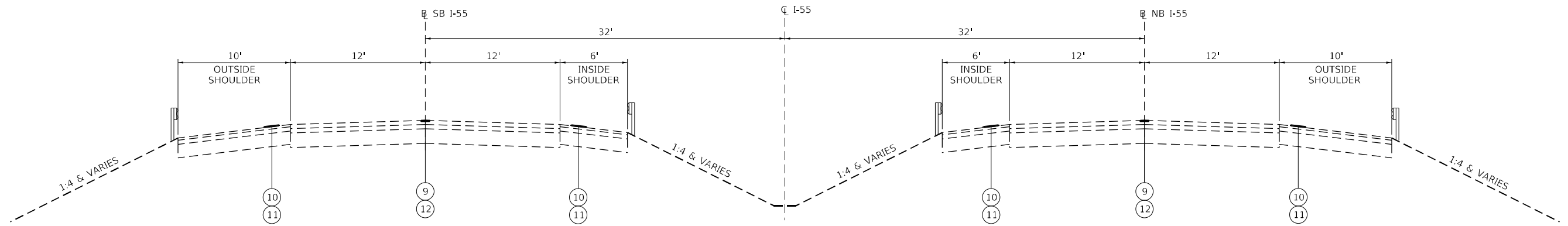
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CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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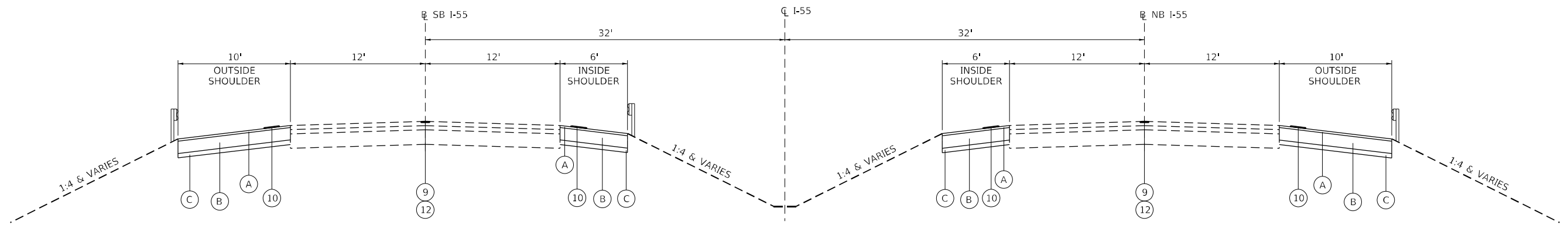
REV-SEP



**EXISTING ROADWAY
TYPICAL SECTION**
(PAVED SHOULDER REMOVAL)
(STA. 70+86 TO 74+30)



**PROPOSED ROADWAY
TYPICAL SECTION**
(STA. 58+31 TO 61+43)



**PROPOSED ROADWAY
TYPICAL SECTION**
(STA. 70+86 TO 74+30)

NOTES

- EXISTING TYPICAL SECTION DATA FROM CONTRACT C-91-166-05.
- RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS WILL NOT BE REMOVED OR REPLACED ON THE BRIDGE DECK (STA 60+84.58 TO STA 71+48.97).
- EXISTING RUMBLE STRIPS TO BE REMOVED WITH HOT-MIX ASPHALT SURFACE REMOVAL, 2" AND REPLACED WITH HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70.
- THE PROPOSED SHOULDER RECONSTRUCTION SHALL MATCH EXISTING SLOPES. EXISTING SLOPES MUST BE VERIFIED PRIOR TO SHOULDER REMOVAL OPERATIONS.

LEGEND

- | | | |
|--|--|---|
| ① EXISTING HOT-MIX ASPHALT SHOULDER, 10" | ⑧ RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL | Ⓐ *HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2" |
| ② EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1½" | ⑨ REPLACEMENT REFLECTOR | Ⓑ *HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 11" |
| ③ EXISTING HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2¼" | ⑩ SHOULDER RUMBLE STRIP, 16" | Ⓒ SUBBASE GRANULAR MATERIAL, TYPE B 4" |
| ④ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT 10" | ⑪ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 2" | ☒ PAVED SHOULDER REMOVAL |
| ⑤ EXISTING POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2" | ⑫ GROOVING FOR RECESSED PAVEMENT MARKING 6"
(GROOVING FOR RECESSED PAVEMENT MARKING 9"
NB: STA 60+84.59 TO STA 71+08.86
SB: STA 61+22.60 TO STA 71+48.97) | * PAID FOR AS HOT-MIX ASPHALT SHOULDERS, 13" |
| ⑥ EXISTING POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80, 2" | | |
| ⑦ EXISTING SHOULDER RUMBLE STRIP, 16" | | |

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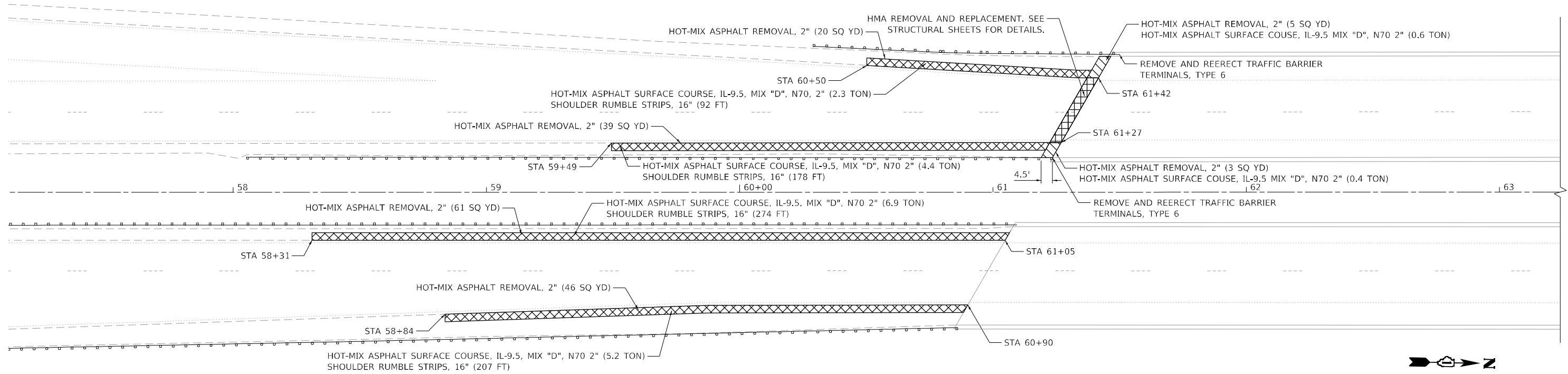
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

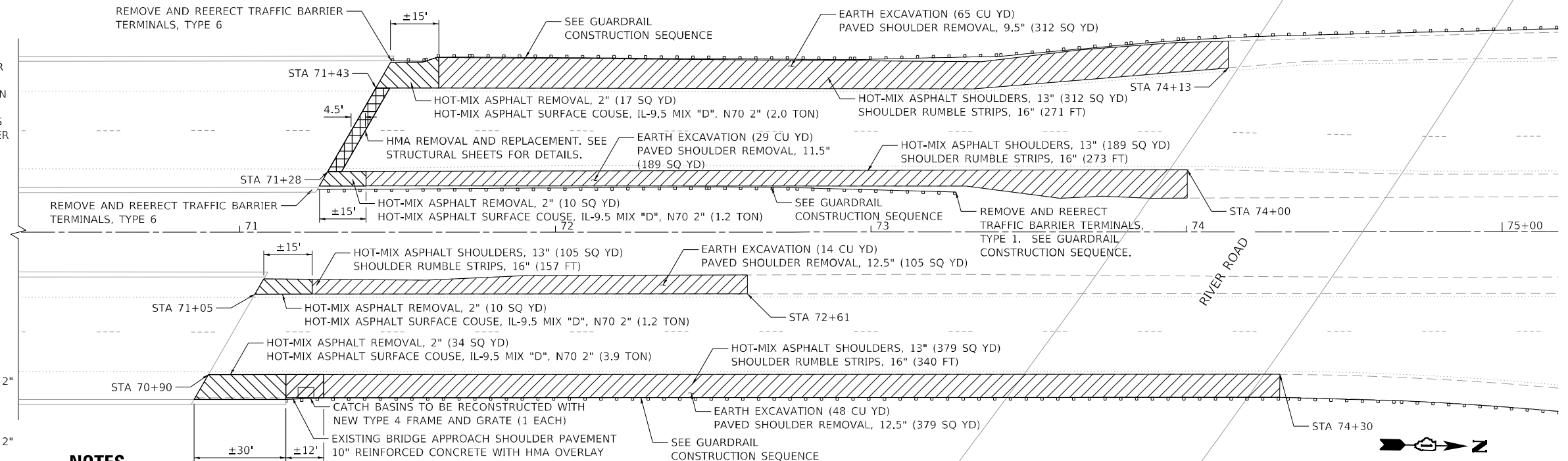


GUARDRAIL CONSTRUCTION SEQUENCE

1. REMOVE RAIL ELEMENTS, BLOCK-OUTS AND TERMINAL SECTIONS WITHIN THE SHOULDER RECONSTRUCTION LIMITS PRIOR TO SHOULDER REMOVAL. RAIL ELEMENTS AND TERMINAL SECTIONS THAT ARE BEHIND TEMPORARY CONCRETE BARRIER CAN REMAIN UNINSTALLED OVERNIGHT.
2. COMPLETE SHOULDER REMOVAL AND REPLACEMENT. POSTS THAT ARE DAMAGED OR UNDERMINED AS PART OF THE SHOULDER REMOVAL AND REPLACEMENT OPERATION SHALL BE REPLACED. THE ENGINEER SHALL HAVE THE SOLE ABILITY TO DETERMINE WHAT POSTS SHALL REMAIN AND WHAT ONES SHALL BE REPLACED. REPLACED POSTS ARE PAID FOR ACCORDING TO ARTICLE 109.04.
3. INSTALL NEW POSTS, IF NEEDED, AND REINSTALL RAIL ELEMENTS AND BLOCK-OUTS WITHIN ONE DAY OF SHOULDER RECONSTRUCTION COMPLETION.

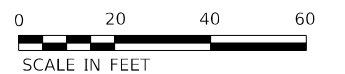
LEGEND

- SHOULDER RECONSTRUCTION
PAVED SHOULDER REMOVAL
HOT-MIX ASPHALT SHOULDERS, 13"
- RUMBLE STRIP REMOVAL AND REPLACEMENT
HOT-MIX ASPHALT REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COUSE, IL-9.5 MIX "D", N70 2"
- OVERLAY ON BRIDGE APPROACH SHOULDER PAVEMENT
HOT-MIX ASPHALT REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COUSE, IL-9.5 MIX "D", N70 2"
- OVERLAY ON BRIDGE APPROACH PAVEMENT
HOT-MIX ASPHALT SURFACE REMOVAL, 5 1/4"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
HOT-MIX ASPHALT SURFACE COUSE, IL-9.5 MIX "D", N70 2"



NOTES

1. HMA REMOVAL SHALL NOT EXTEND INTO THE PCC PAVEMENT ON EXISTING BRIDGE APPROACH SHOULDER PAVEMENT OR ON EXISTING BRIDGE APPROACH PAVEMENT.
2. BRIDGE APPROACH SHOULDER PAVEMENT LIMITS ARE BASED ON AS BUILT DRAWINGS.
3. REMOVAL AND REINSTALLATION OF RAIL ELEMENTS AND BLOCK-OUTS PAID FOR AS REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN

SCALE: 40,0000 * / in. SHEET OF 34 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	6
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION 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 THE MAINTENANCE OF TRAFFIC ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE CONTRACTOR IS DIRECTED TO THE FACT THAT OTHER SEPARATE CONTRACTS ARE, OR MAY BE, IN FORCE THAT INTERSECT THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTORS IN THE PHASING AND PERFORMANCE OF THIS WORK SO AS NOT TO DELAY, INTERRUPT, OR HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING PERFORMED BY OTHER CONTRACTORS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS, NOR FOR ANY DELAYS OR INCONVENIENCES RESULTING FROM THE ACTIVITIES OF OTHER CONTRACTORS. SHOULD A CONFLICT ARISE BETWEEN THE CONTRACTORS WITH RESPECT TO SEQUENCE OF CONSTRUCTION OR MAINTENANCE OF TRAFFIC REQUIREMENTS, SAID CONFLICTS SHALL BE RESOLVED BY, OR AT THE DIRECTION OF THE ENGINEER.
3. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ENGINEER SHALL BE INFORMED IN WRITING A MINIMUM OF 48 HOURS IN ADVANCE OF ANY CHANGE TO THE MAINTENANCE OF TRAFFIC PLANS.
4. 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." REMOVAL OF PAVEMENT MARKINGS ON PERMANENT PAVEMENT WILL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING."
5. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE TO THE ENGINEER OF ANY CONSTRUCTION WORK THAT MAY IMPACT ANY ROADWAY LIGHTING.
6. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ANY EXISTING SIGNS REMOVED, BUT NOT RELOCATED, FROM THE PROJECT. THE CONTRACTOR SHALL PROPERLY STORE RELOCATED SIGNS AS APPROVED BY THE ENGINEER UNTIL THEY ARE PROPERLY RE-ERECTED.
7. INSTALLATION OF NEW HMA PAVEMENT ADJACENT TO ABUTMENT JOINT REPLACEMENT MUST BE INSTALLED AFTER BRIDGE DECK JOINT REPAIRS IN EACH STAGE.
8. SEE ALTERNATE ROUTE SHEETS FOR INFORMATION ON SMART WORK ZONE SIGNING AND EQUIPMENT LOCATIONS. SMART WORK SIGNING AND EQUIPMENT MUST BE COORDINATED WITH ADVANCE SIGNING REQUIREMENTS FOR THE VARIOUS STAGES OF CONSTRUCTION.
9. PAVEMENT MARKING TAPE LAID OUT IN PRE-STAGE ALONG NORTHBOUND FROM STATION 17+56 TO 46+00 AND ALONG SOUTHBOUND FROM 85+00 TO STA 104+11 SHALL REMAIN IN PLACE FOR ALL SUBSEQUENT STAGES.
10. A QUANTITY OF 7,830 FEET OF TEMPORARY PAVEMENT MARKING - LINE 6" HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.

MAINTENANCE OF TRAFFIC STAGING DESCRIPTION

PRE-STAGE

CONSTRUCTION:

RUMBLE STRIP REMOVAL AND REPLACEMENT WITH HMA SURFACE COURSE ALONG OUTSIDE SHOULDER ON SOUTH END OF BRIDGES. SHOULDER RECONSTRUCTION OF OUTSIDE SHOULDERS ON NORTH END OF BRIDGES. RECONSTRUCT DRAINAGE STRUCTURE AT THE NORTH END OF THE NORTHBOUND BRIDGE.

TRAFFIC:

CLOSURE OF INSIDE LANE AND SHOULDER IN EACH DIRECTION PER IDOT HIGHWAY STANDARD 701400, 701401, AND 701411. SINGLE LANE OF TRAFFIC WILL WEAVE FROM THE OUTSIDE LANE TO THE INSIDE LANE PER TC-09.

I-55 NORTHBOUND AND SOUTHBOUND 1 LANE IN EACH DIRECTION.

TEMPORARY CONCRETE BARRIER AND DRUMS WILL BE USED TO SEPARATE TRAFFIC FROM THE WORK ZONE.

STAGE I

CONSTRUCTION:

BRIDGE REPAIRS, HMA REMOVAL AND REPLACEMENT AT BACK OF ABUTMENTS OF THE SOUTHBOUND BRIDGE, RUMBLE STRIP REMOVAL AND REPLACEMENT WITH HMA SURFACE COURSE ALONG INSIDE SHOULDER ON THE SOUTH END OF THE BRIDGES, AND RECONSTRUCTION OF THE INSIDE SHOULDER ON THE NORTH END OF THE BRIDGES.

TRAFFIC:

CLOSURE OF INSIDE LANE IN EACH DIRECTION PER IDOT HIGHWAY STANDARD 701400, 701401, 701411, 701901, AND 782006.

I-55 NORTHBOUND AND SOUTHBOUND 1 LANE IN EACH DIRECTION.

TEMPORARY CONCRETE BARRIER AND DRUMS WILL BE USED TO SEPARATE TRAFFIC FROM THE WORK ZONE.

STAGE II

CONSTRUCTION:

BRIDGE REPAIRS, HMA REMOVAL AND REPLACEMENT AT BACK OF ABUTMENTS OF THE SOUTHBOUND BRIDGE, AND RUMBLE STRIP INSTALLATION ALONG OUTSIDE SHOULDERS AT BOTH ENDS OF THE BRIDGES.

TRAFFIC:

CLOSURE OF INSIDE LANE IN EACH DIRECTION PER IDOT HIGHWAY STANDARD 701400, 701401, 701411, 701901, AND 782006. SINGLE LANE OF TRAFFIC WILL WEAVE FROM THE OUTSIDE LANE TO THE INSIDE LANE PER TC-09.

I-55 NORTHBOUND AND SOUTHBOUND 1 LANE IN EACH DIRECTION.

TEMPORARY CONCRETE BARRIER AND DRUMS WILL BE USED TO SEPARATE TRAFFIC FROM THE WORK ZONE.

POST-STAGE

CONSTRUCTION:

RUMBLE STRIP INSTALLATION ALONG INSIDE SHOULDER AT BOTH END OF THE BRIDGES.

TRAFFIC:

CLOSURE OF INSIDE LANE AND SHOULDER IN EACH DIRECTION PER IDOT HIGHWAY STANDARD 701401 AND 701411.

I-55 NORTHBOUND AND SOUTHBOUND 1 LANE IN EACH DIRECTION.

DRUMS WILL BE USED TO SEPARATE TRAFFIC FROM THE WORK ZONE.

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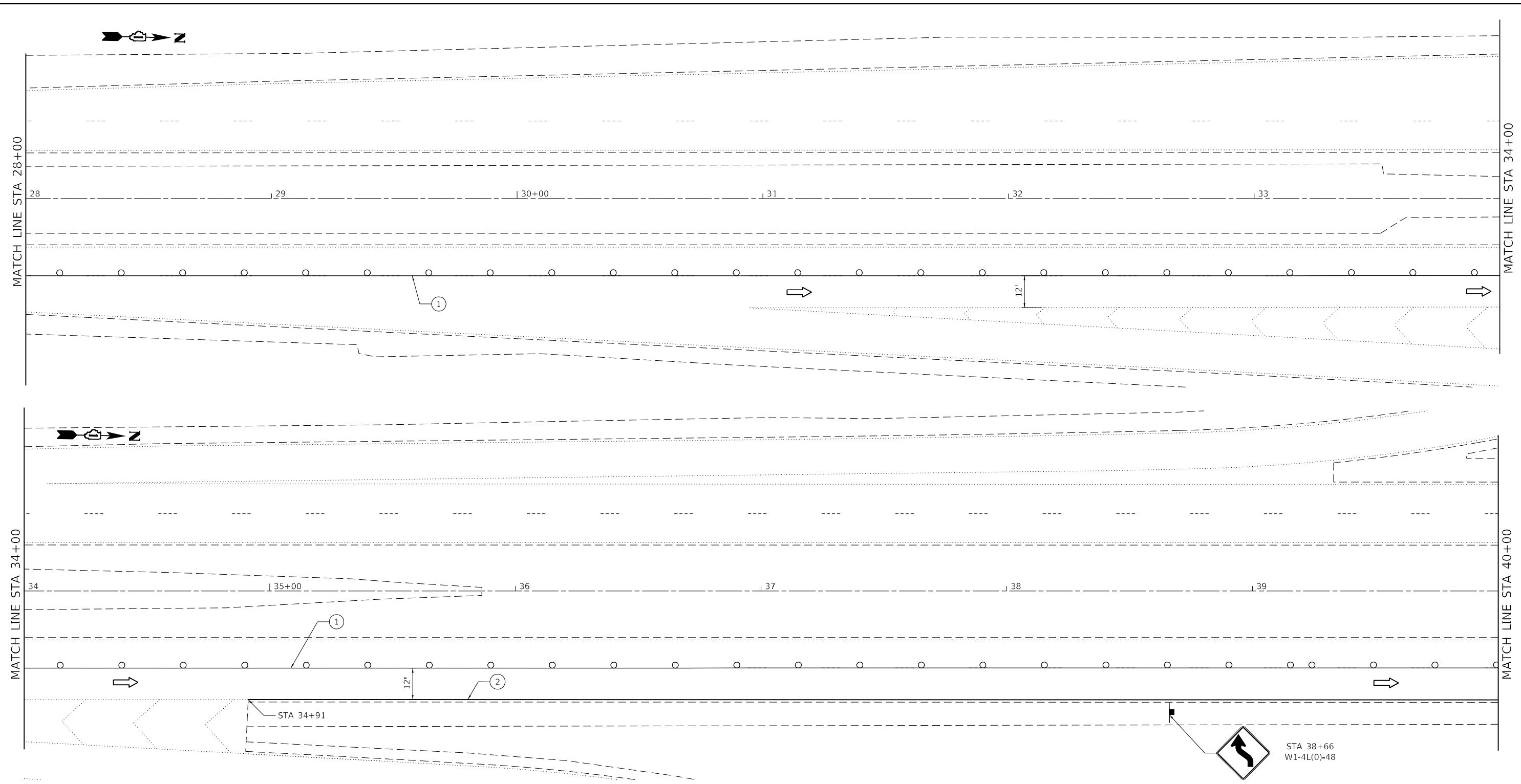
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

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			CONTRACT NO. 62N08	
		ILLINOIS FED. AID PROJECT		

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	WORK ZONE		ARROW BOARD
	DIRECTION OF TRAFFIC		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADIUS/CURVES		WORK ZONE SPEED LIMIT R2-1-3648
	TRAFFIC SIGN		PHOTO ENFORCED R10-1108p-3618
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		\$250 FINE MINIMUM R2-1106p-3618
			① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'



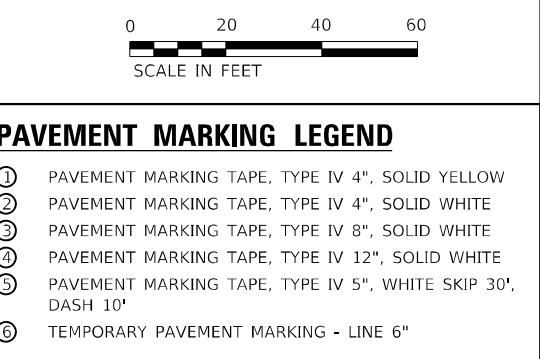
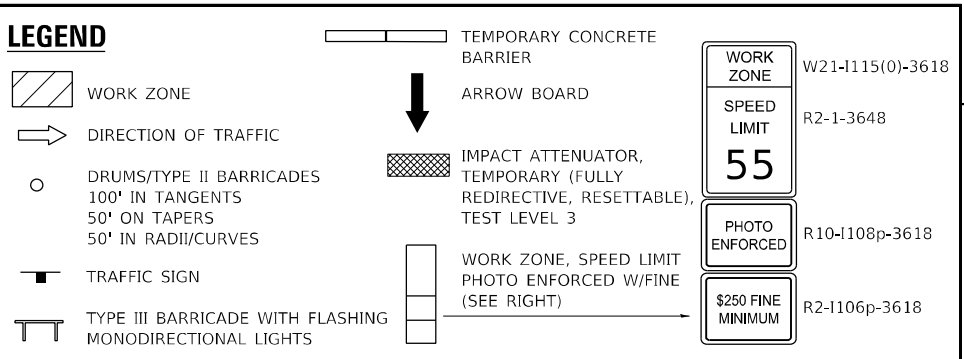
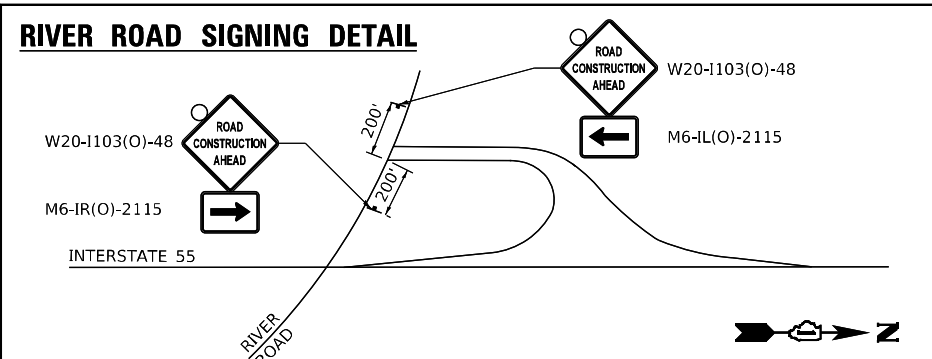
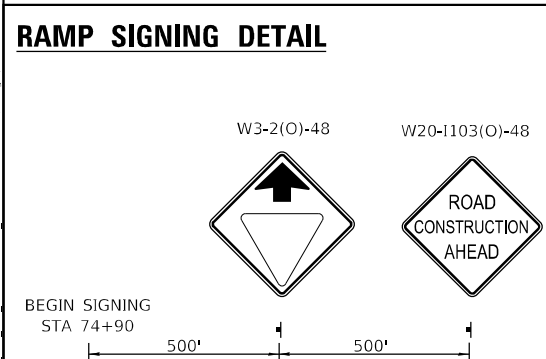
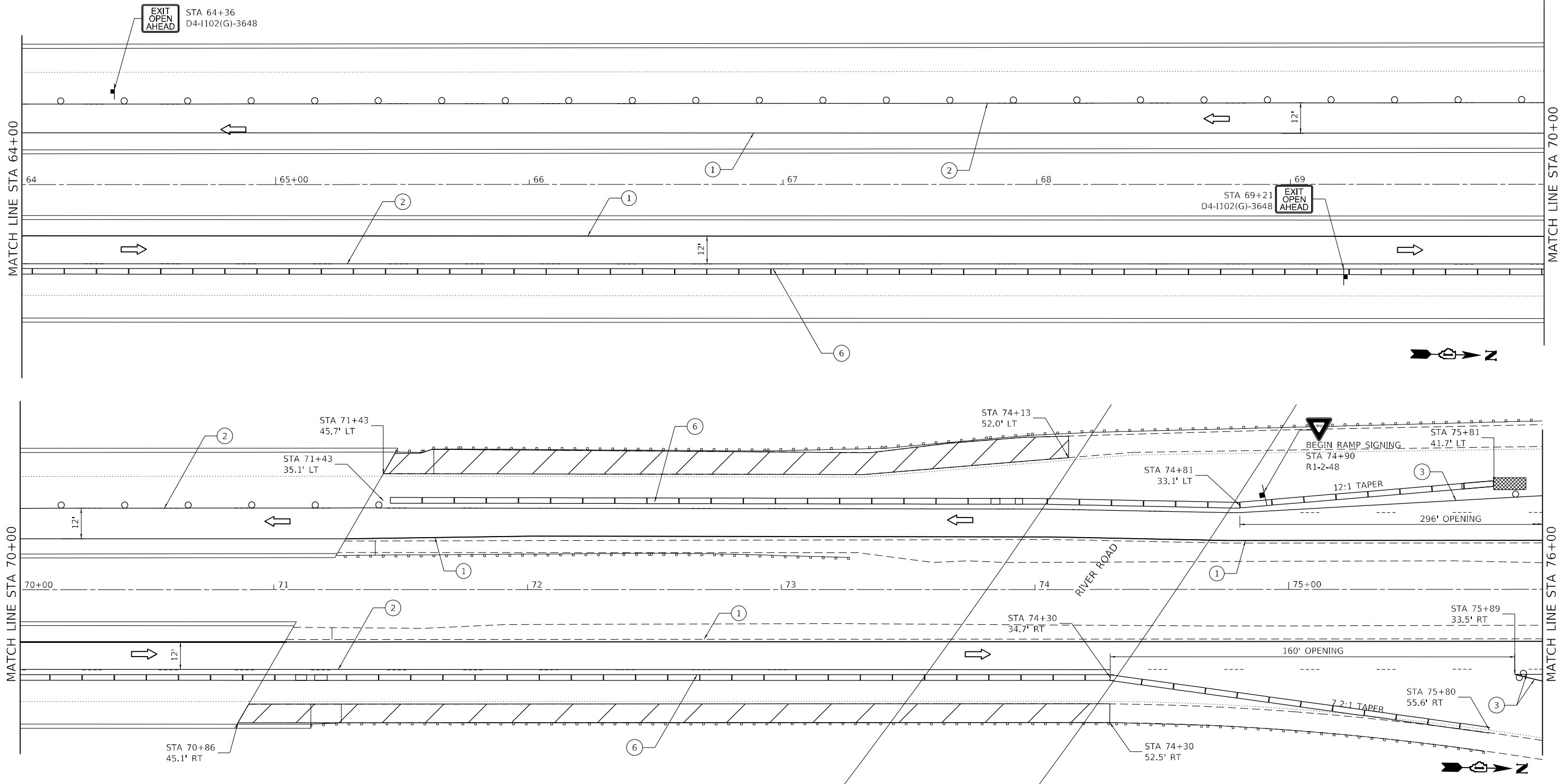
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 PRE-STAGE

SCALE: 40,0000 * / in. SHEET 4 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	



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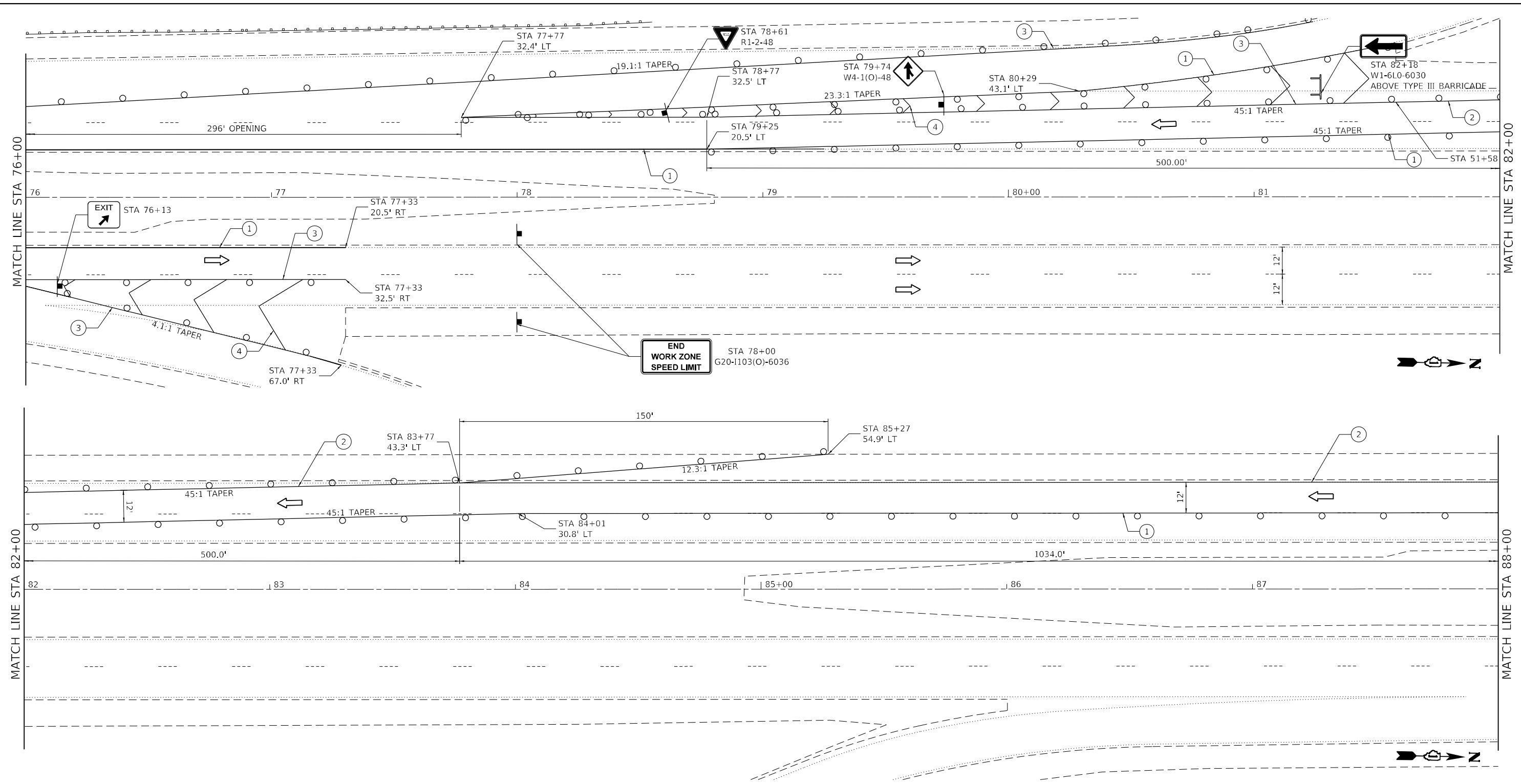
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PRE-STAGE		
SCALE: 40,0000' / in.	SHEET 7 OF 34 SHEETS	STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62N08				
ILLINOIS / FED. AID PROJECT				

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LEGEND		PAVEMENT MARKING LEGEND	
	WORK ZONE		ARROW BOARD
	DIRECTION OF TRAFFIC		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADIUS/CURVES		WORK ZONE SPEED LIMIT W21-1115(0)-3618 R2-1-3648 45
	TRAFFIC SIGN		PHOTO ENFORCED R10-1108p-3618
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		\$250 FINE MINIMUM R2-1106p-3618
	PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW		PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
	PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE		PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
	PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'		

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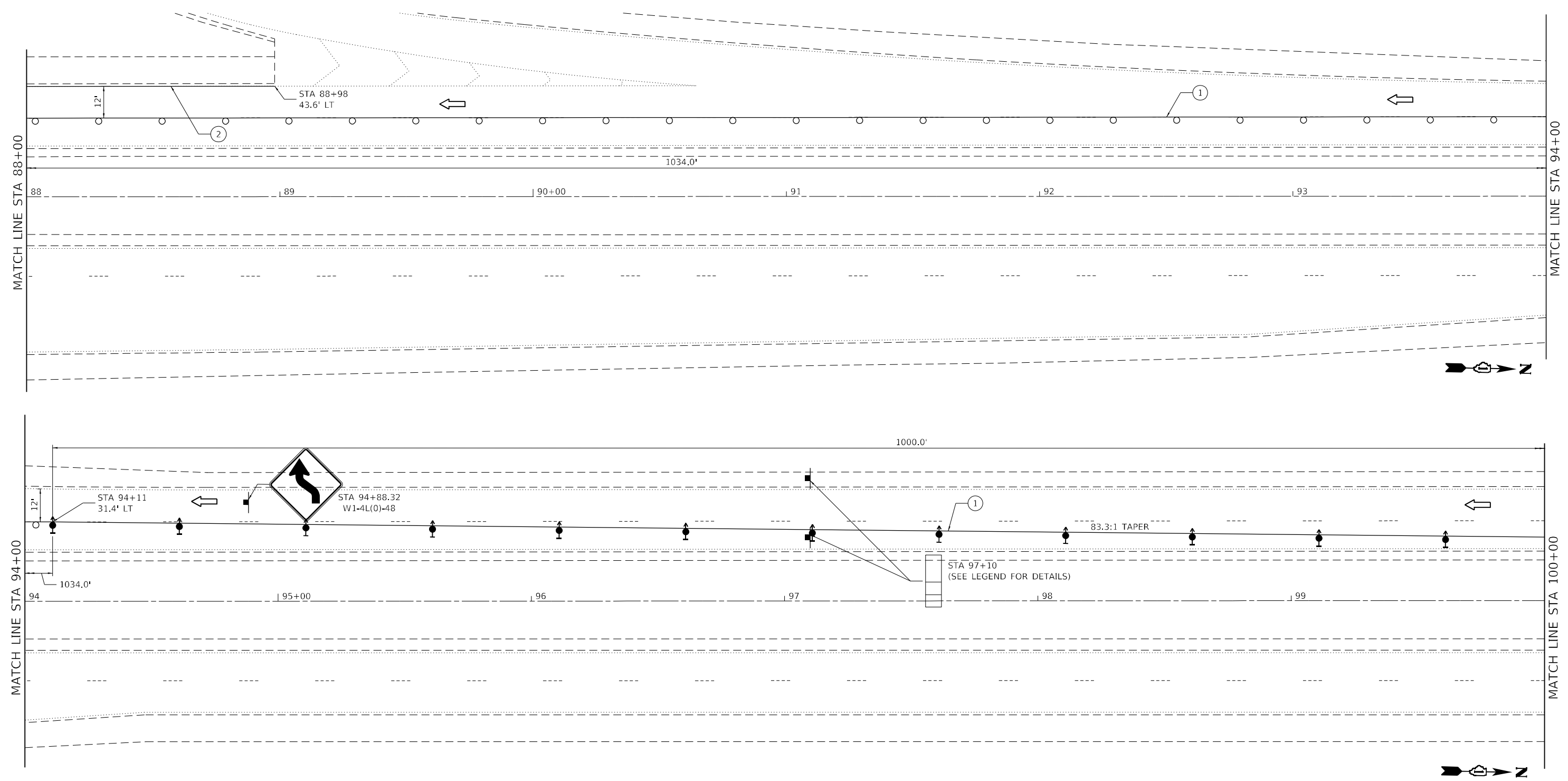
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PRE-STAGE**

SCALE: 40,0000 ' / in. SHEET 8 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	14
CONTRACT NO. 62N08				
ILLINOIS / FED. AID PROJECT				

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LEGEND		PAVEMENT MARKING LEGEND	
WORK ZONE	DIRECTION OF TRAFFIC	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT	PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADII/CURVES	TRAFFIC SIGN	ARROW BOARD	PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS	WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)	IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3	PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
		WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)	PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
		WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)	PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'



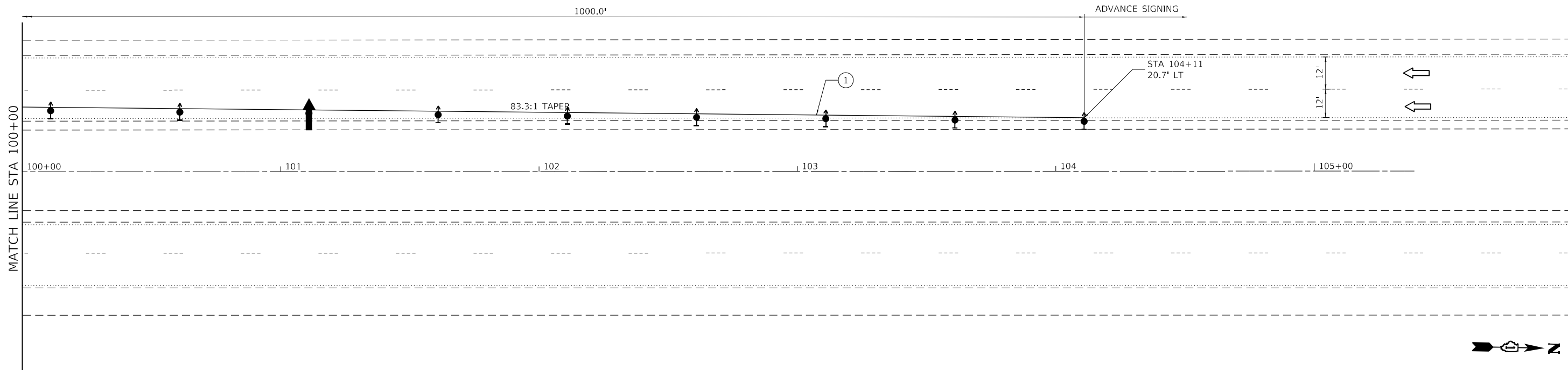
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

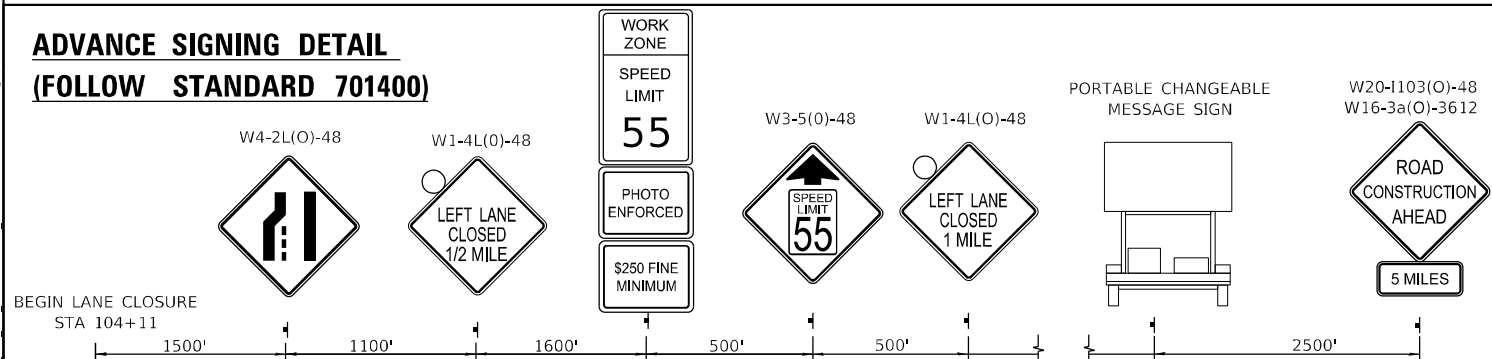
**MAINTENANCE OF TRAFFIC
PRE-STAGE**

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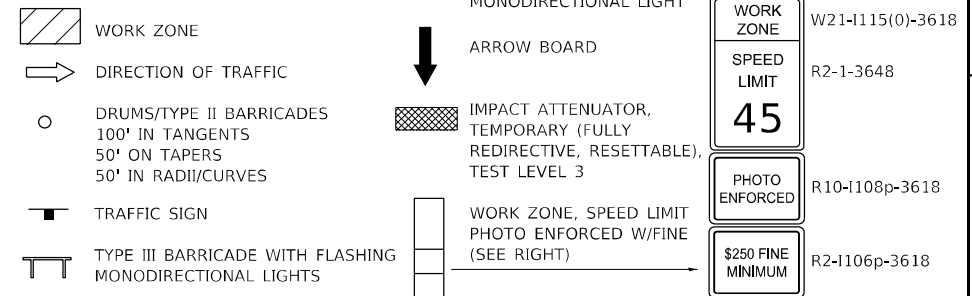
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55	2020-239-BR	WILL	78	15
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



ADVANCE SIGNING DETAIL
(FOLLOW STANDARD 701400)

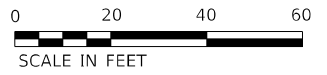


LEGEND



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30", DASH 10"



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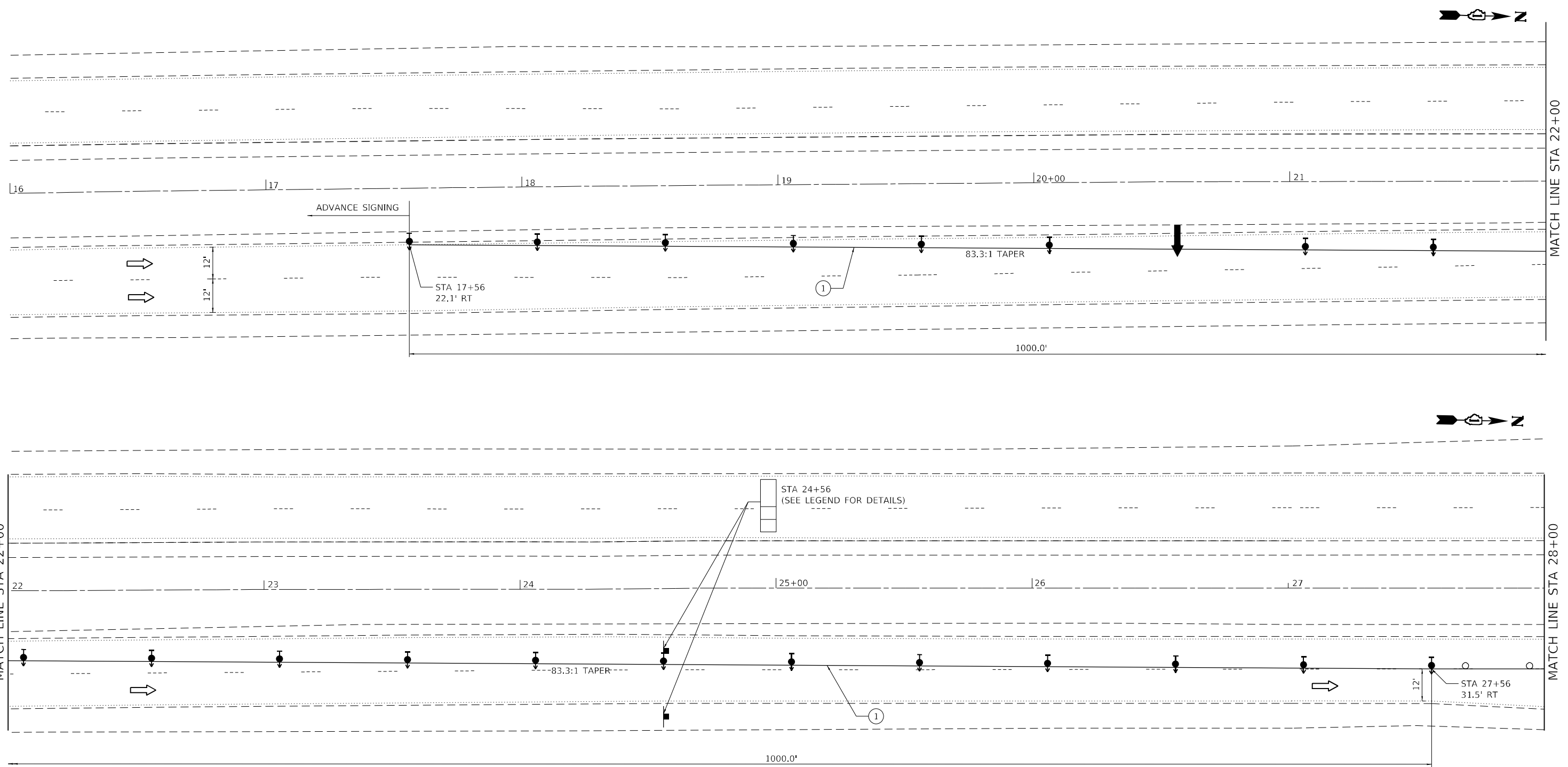
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

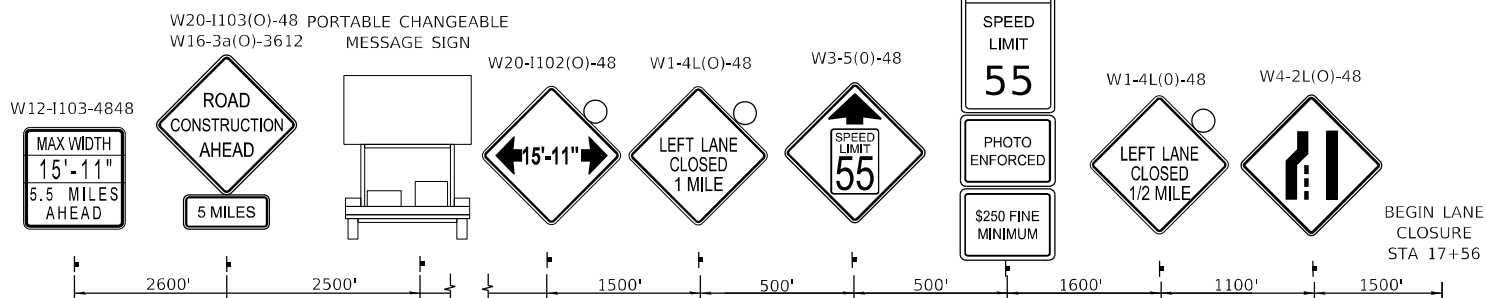
MAINTENANCE OF TRAFFIC
PRE-STAGE

SCALE: 40,0000 * / in. SHEET 10 OF 34 SHEETS STA. 15+00 TO STA. 27+00

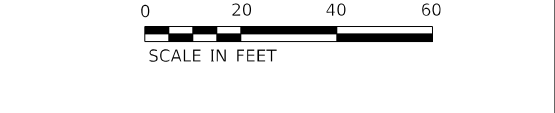
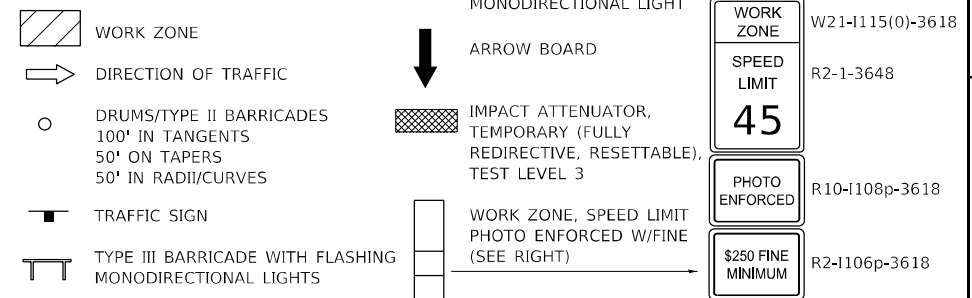
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	



ADVANCE SIGNING DETAIL (FOLLOW STANDARD 701400)



LEGEND



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

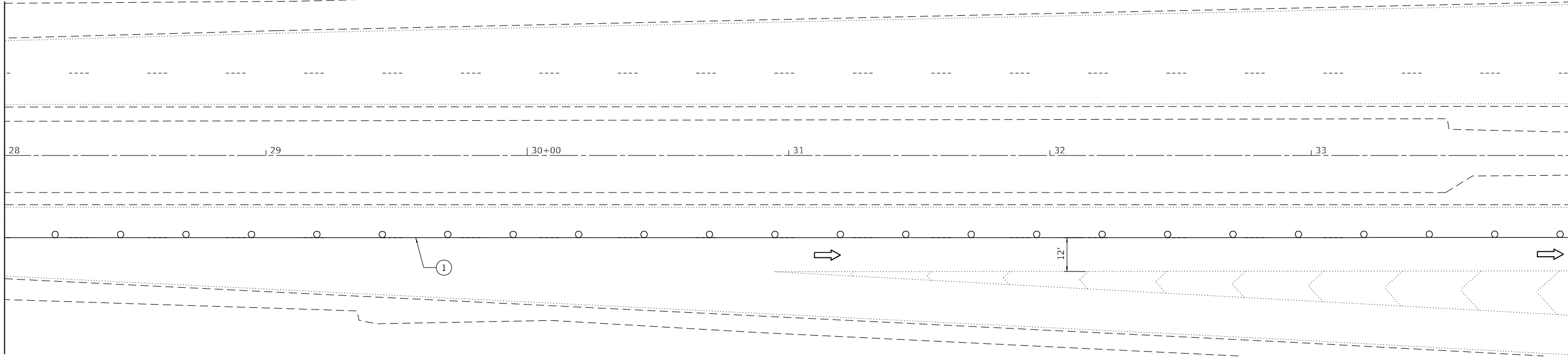
MAINTENANCE OF TRAFFIC STAGE I		
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	17
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



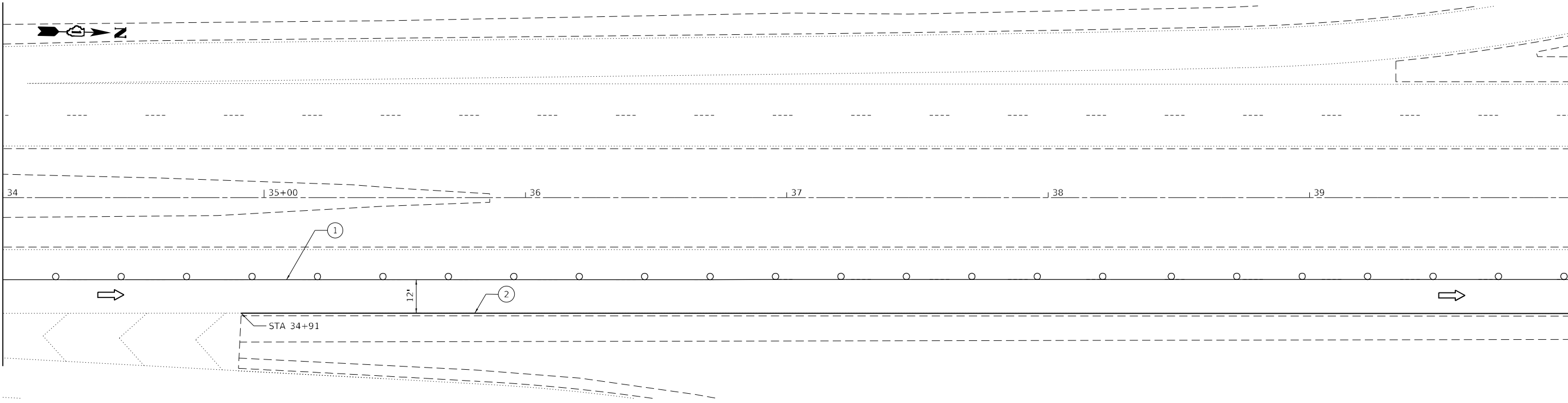
MATCH LINE STA 28+00

MATCH LINE STA 34+00



MATCH LINE STA 34+00

MATCH LINE STA 40+00



LEGEND		PAVEMENT MARKING LEGEND	
	WORK ZONE		ARROW BOARD
	DIRECTION OF TRAFFIC		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADIUS/CURVES		WORK ZONE SPEED LIMIT R2-1-3648
	TRAFFIC SIGN		PHOTO ENFORCED R10-1108p-3618
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		\$250 FINE MINIMUM R2-1106p-3618
			① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

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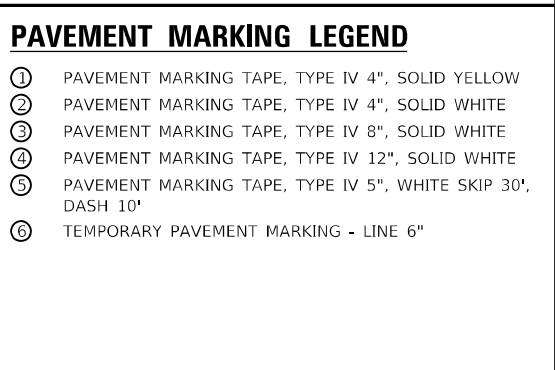
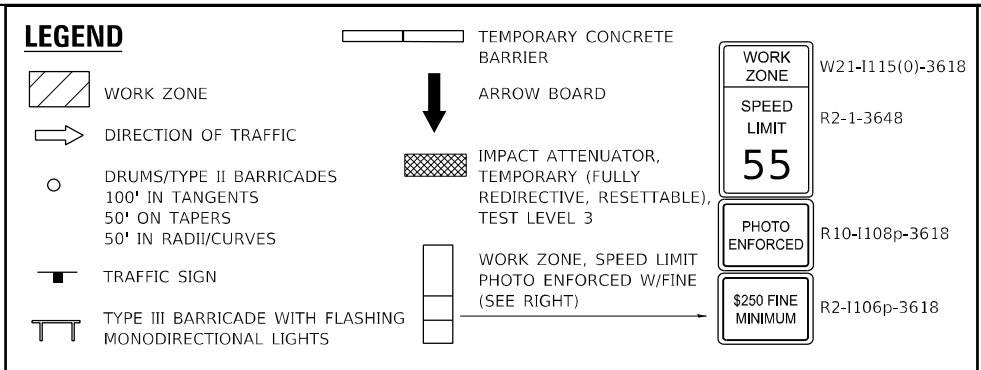
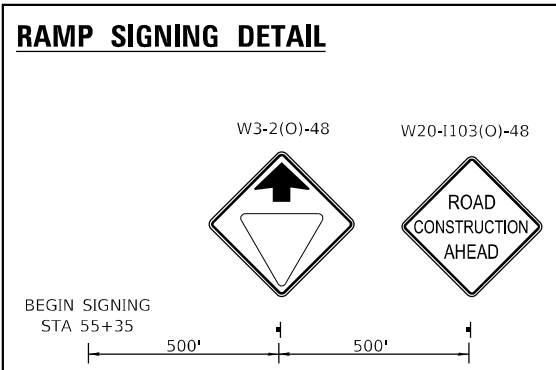
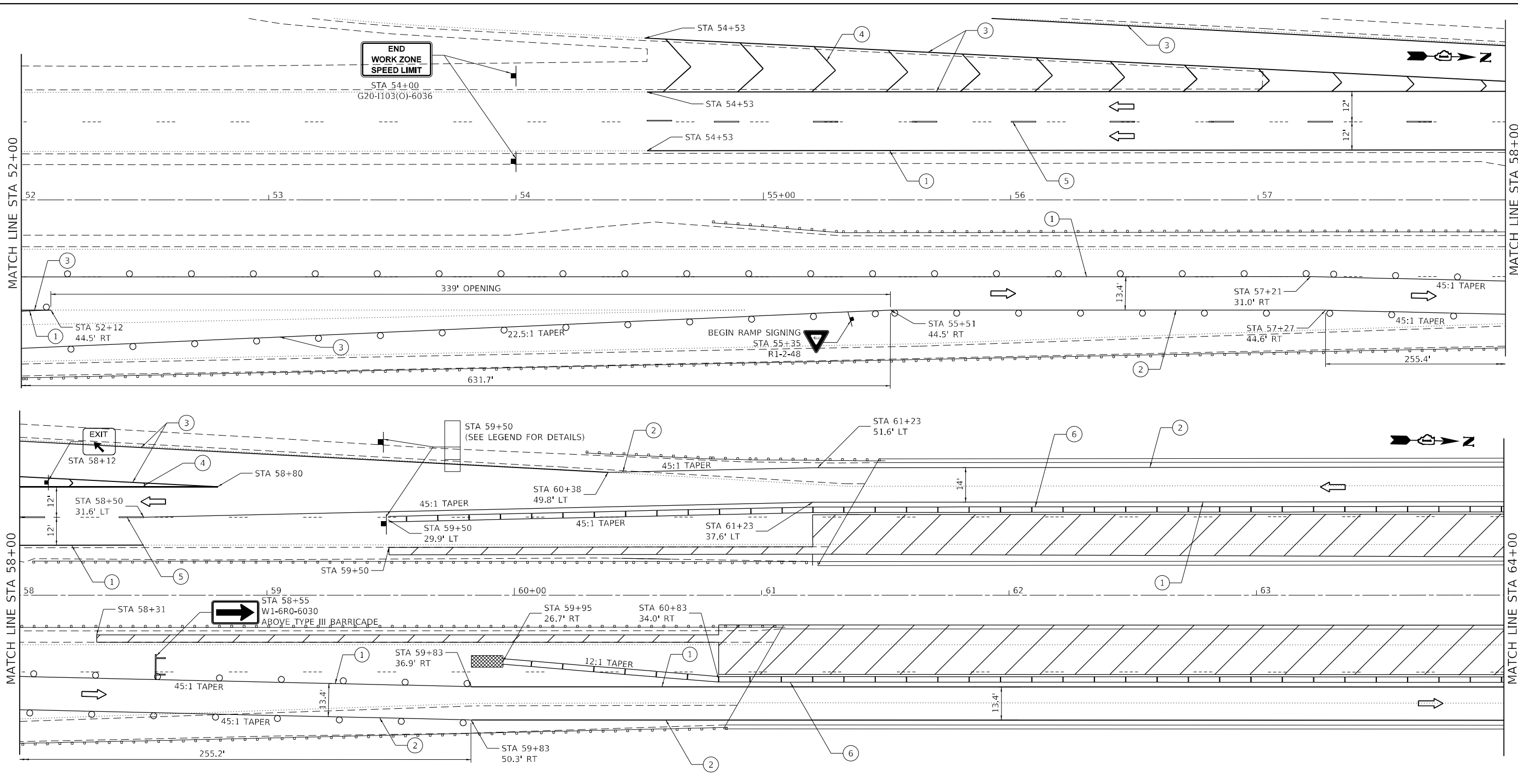
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE I**

SCALE: 40,0000 * / in. SHEET 12 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	



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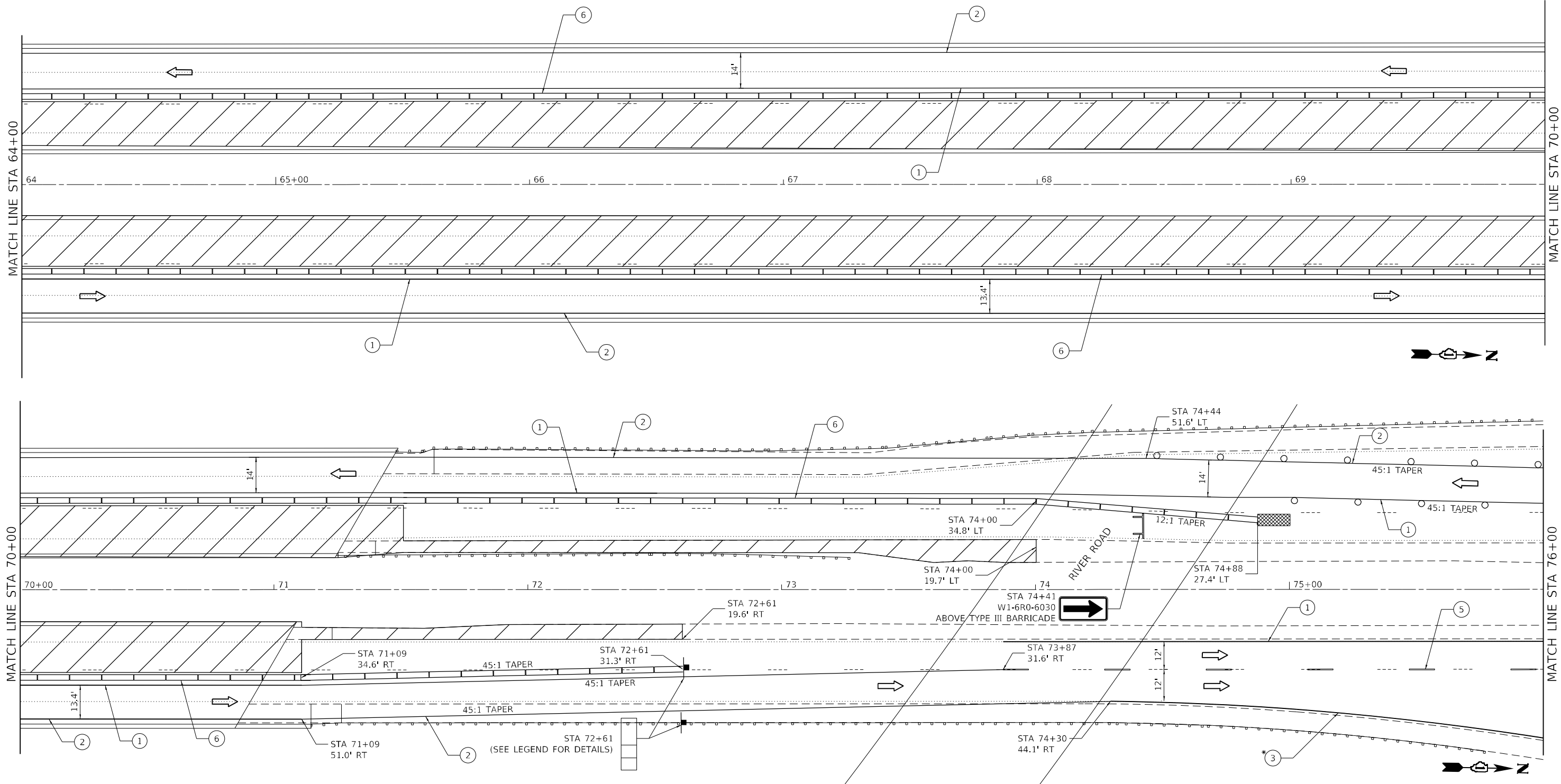


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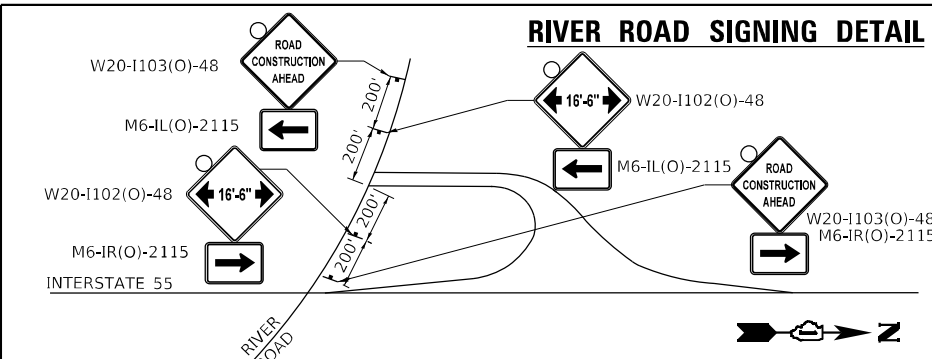
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STAGE I	
SCALE: 40,0000 * / in.	SHEET 14 OF 34 SHEETS
STA. 15+00	TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	20
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



*TO REMAIN IN PLACE FOR ALL SUBSEQUENT STAGES. CONTRACTOR CAN ELECT TO INSTALL PERMANENT PAVEMENT MARKING AT THIS LOCATION IN THIS STAGE.



LEGEND

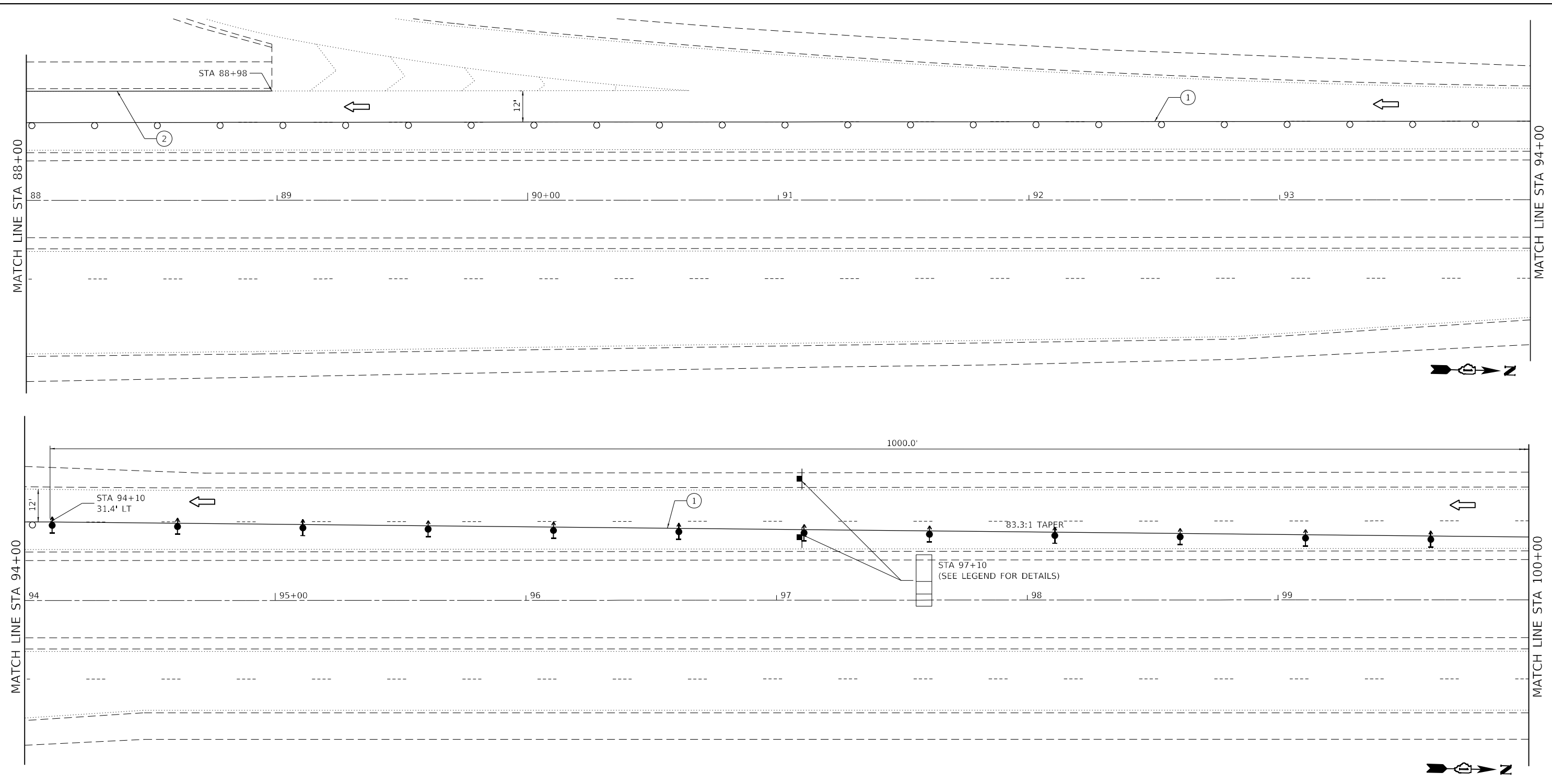
- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES: 100' IN TANGENTS, 50' ON TAPERS, 50' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

WORK ZONE	W21-1115(0)-3618
SPEED LIMIT	R2-1-3648
55	
PHOTO ENFORCED	R10-1108p-3618
\$250 FINE MINIMUM	R2-1106p-3618

PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 6"

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LEGEND		PAVEMENT MARKING LEGEND	
WORK ZONE	DIRECTION OF TRAFFIC	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT	① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADII/CURVES	TRAFFIC SIGN	ARROW BOARD	② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS	WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)	IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3	③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
		WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)	④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
		WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)	⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

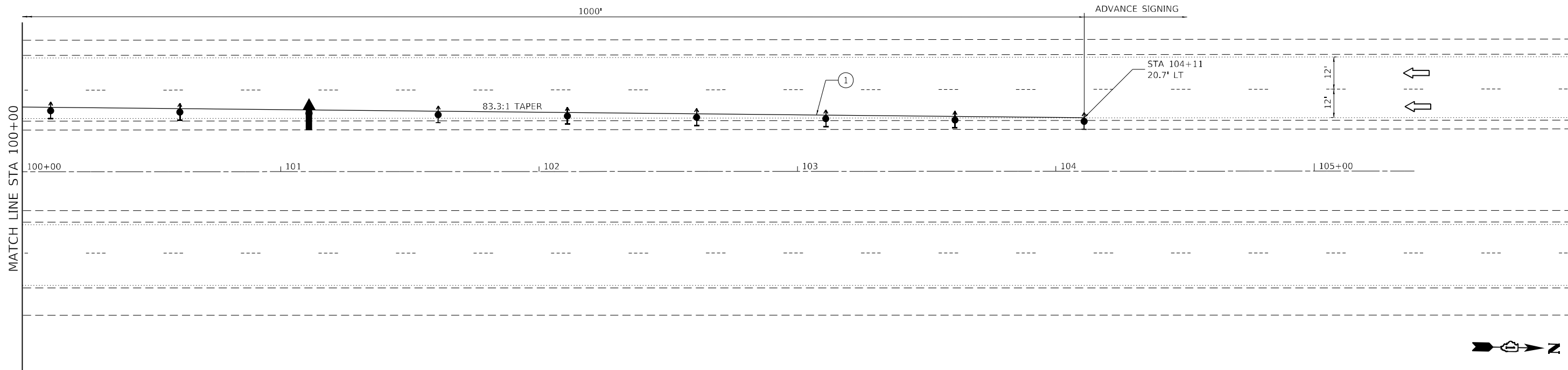
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

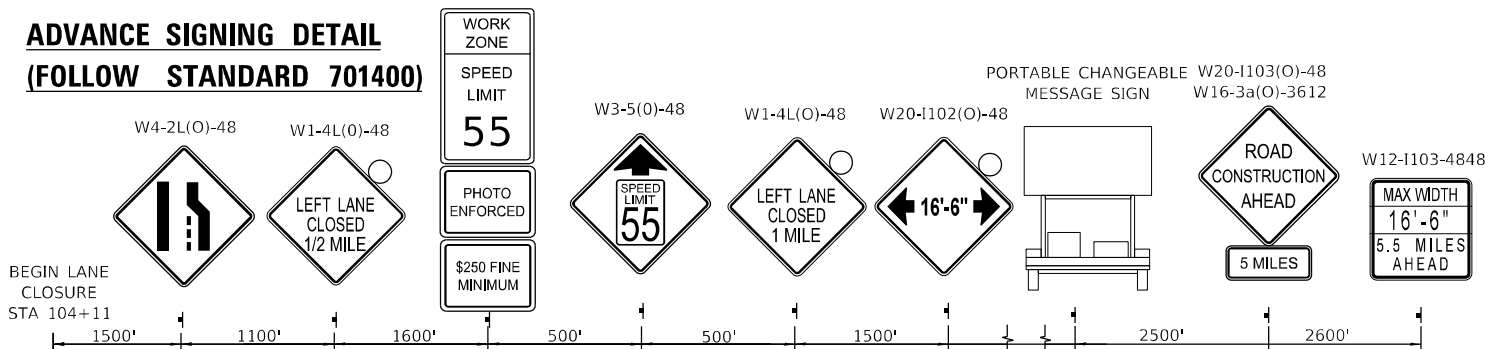
**MAINTENANCE OF TRAFFIC
 STAGE I**

SCALE: 40,0000 * / in. SHEET 17 OF 34 SHEETS STA. 15+00 TO STA. 27+00

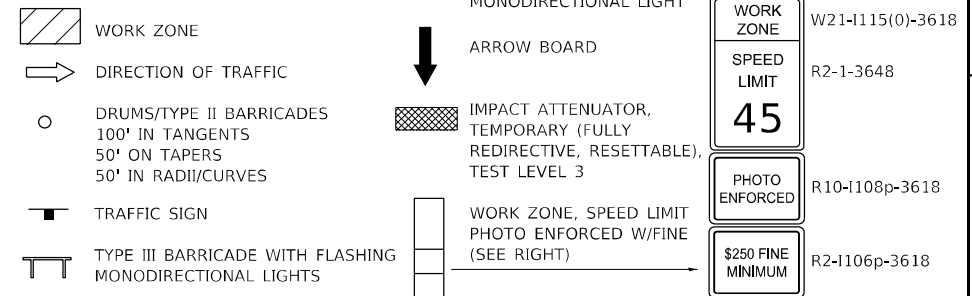
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	23
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



ADVANCE SIGNING DETAIL
(FOLLOW STANDARD 701400)



LEGEND



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

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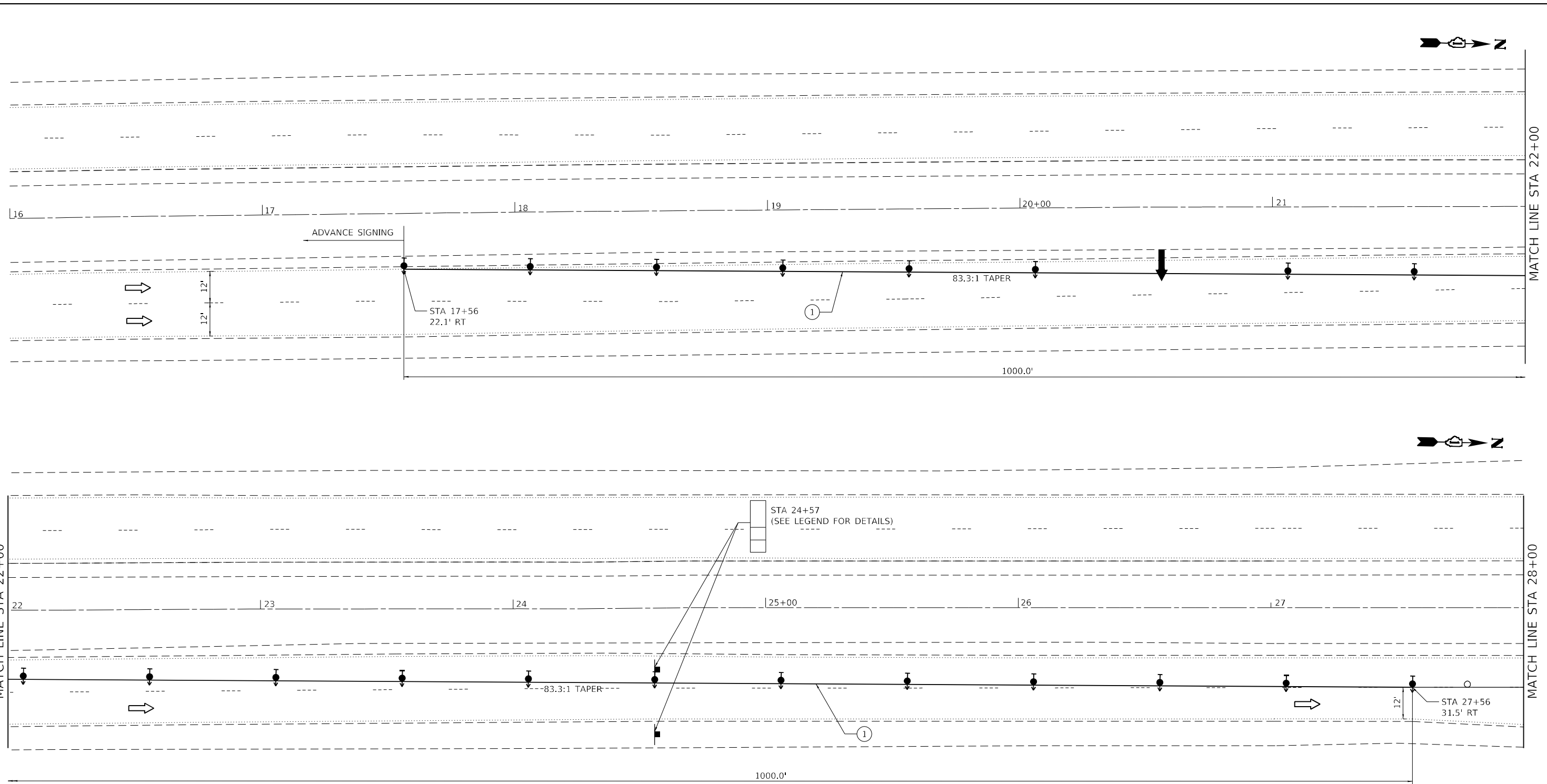
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

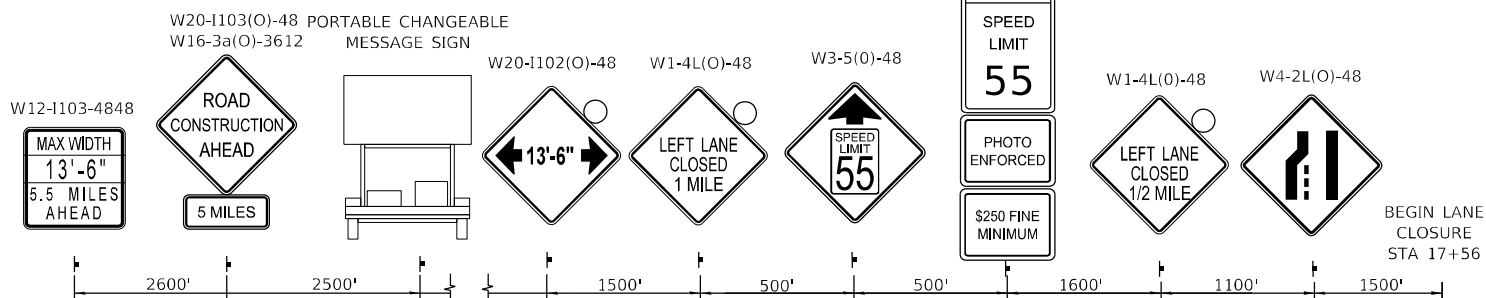
MAINTENANCE OF TRAFFIC
STAGE I

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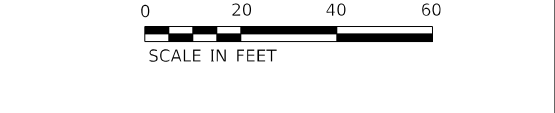
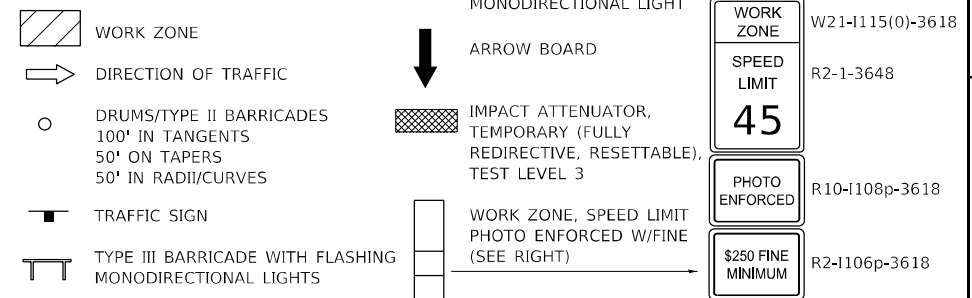
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	24
CONTRACT NO. 62N08			ILLINOIS FED. AID PROJECT	



ADVANCE SIGNING DETAIL (FOLLOW STANDARD 701400)



LEGEND



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'



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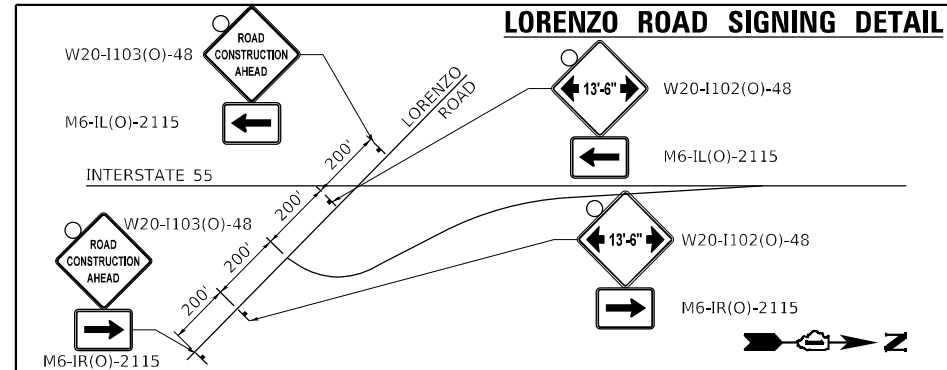
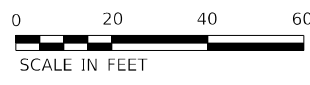
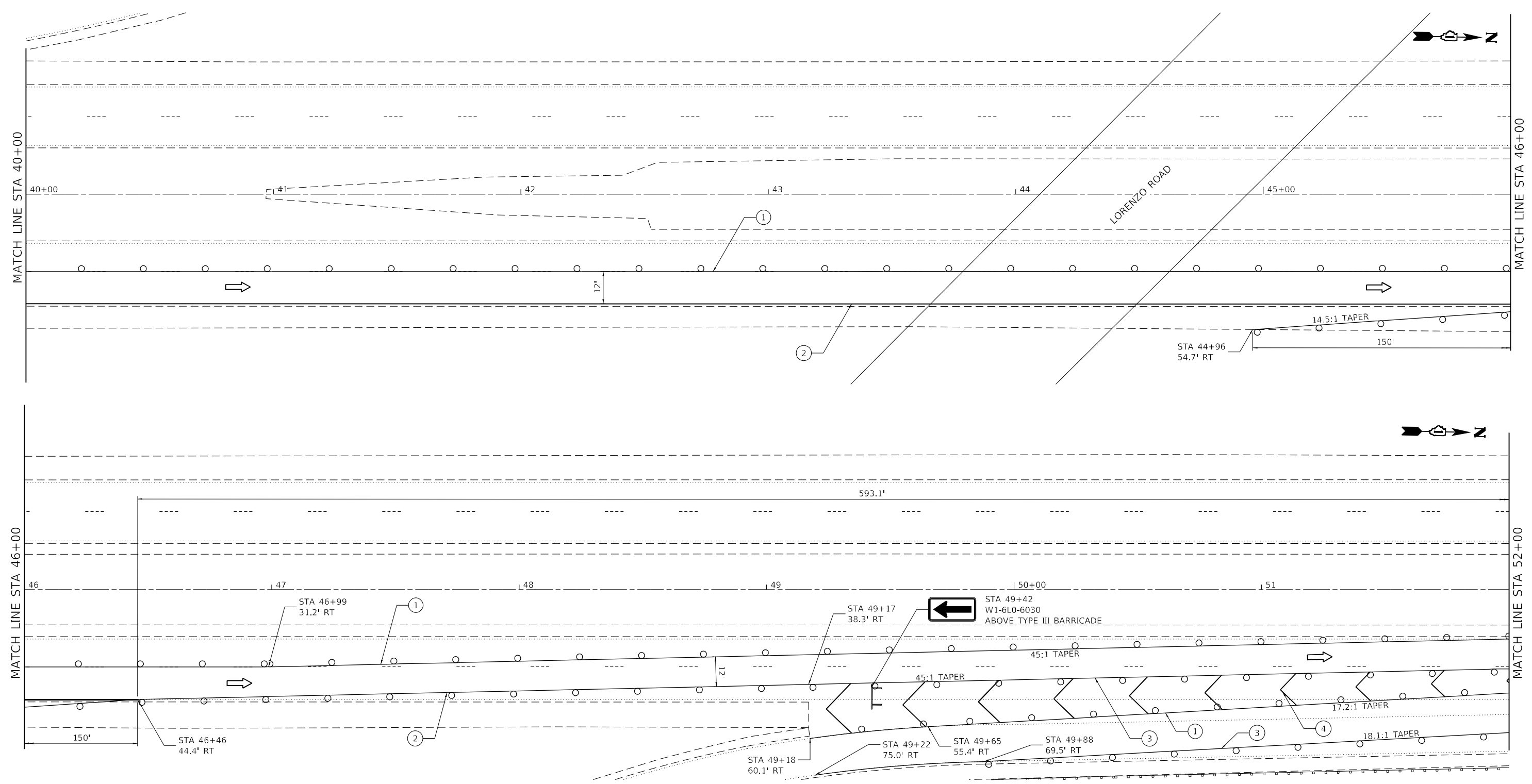
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE II**

SCALE: 40,0000' / in. SHEET 19 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	25
CONTRACT NO. 62N08			ILLINOIS FED. AID PROJECT	

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LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES
 100' IN TANGENTS
 50' ON TAPERS
 50' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ARROW BOARD
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

WORK ZONE	W21-1115(0)-3618
SPEED LIMIT	R2-1-3648
45	
PHOTO ENFORCED	R10-1108p-3618
\$250 FINE MINIMUM	R2-1106p-3618

PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

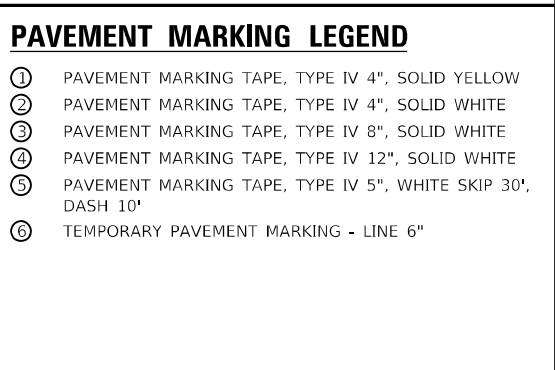
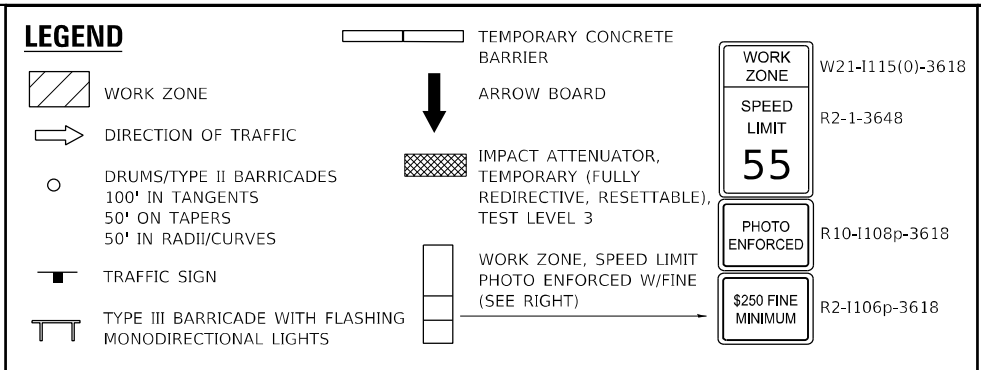
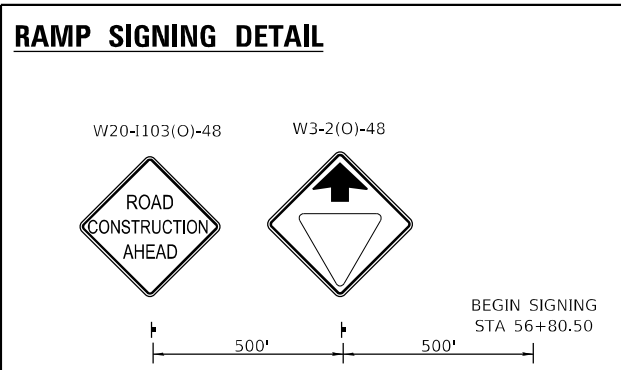
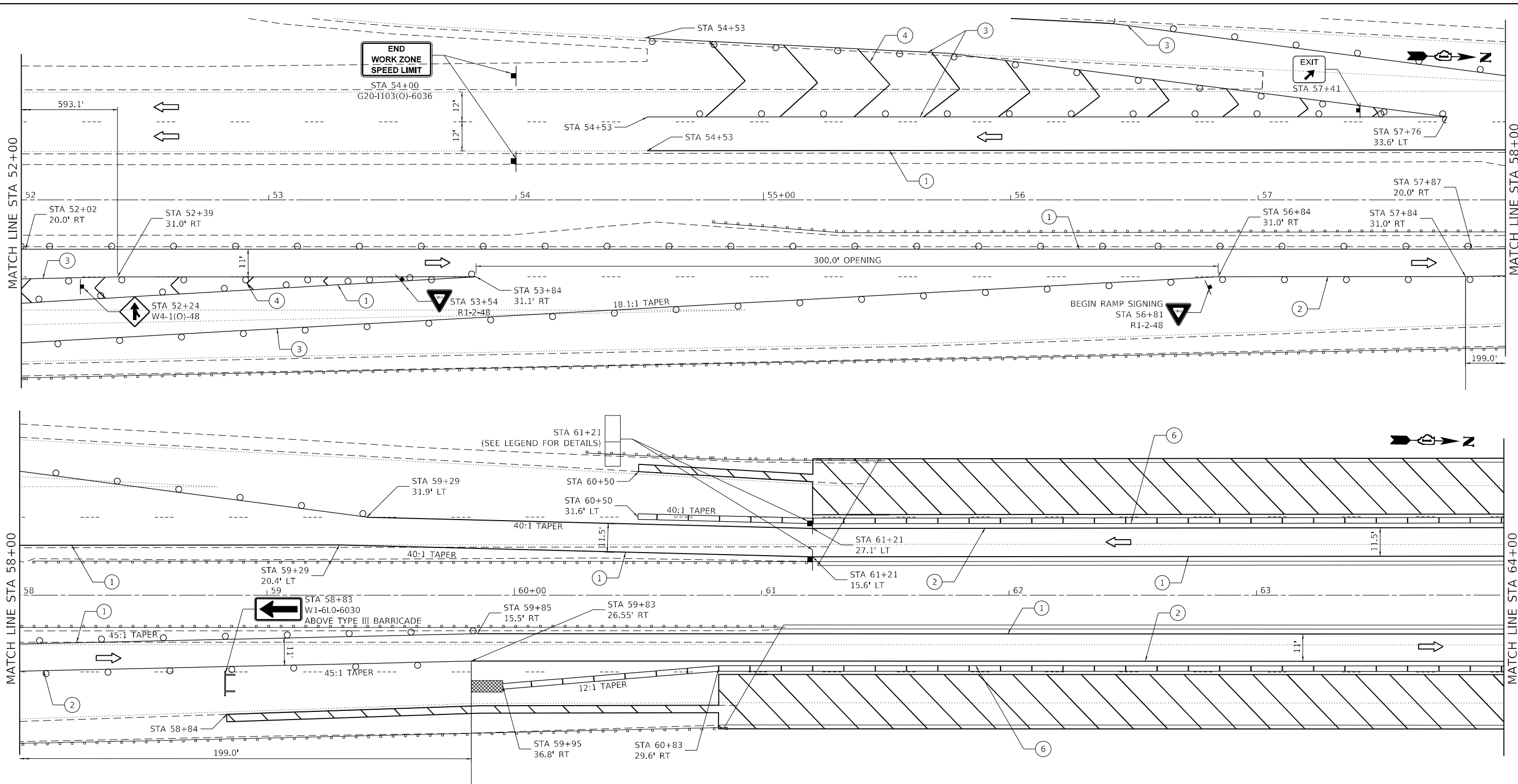


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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STAGE II	
SCALE: 40,0000 ' / in.	SHEET 19 OF 34 SHEETS
STA. 15+00	TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	27
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



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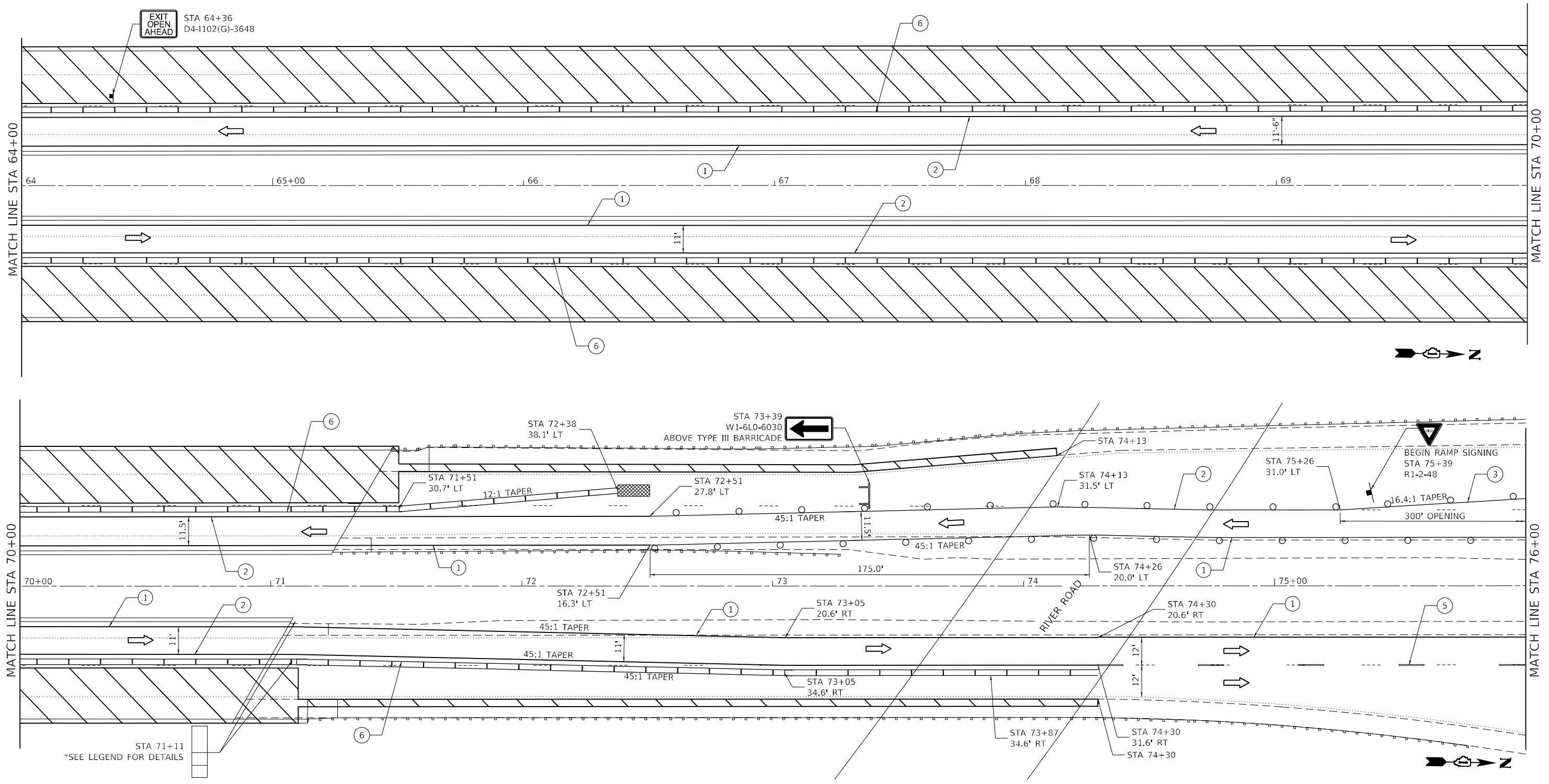


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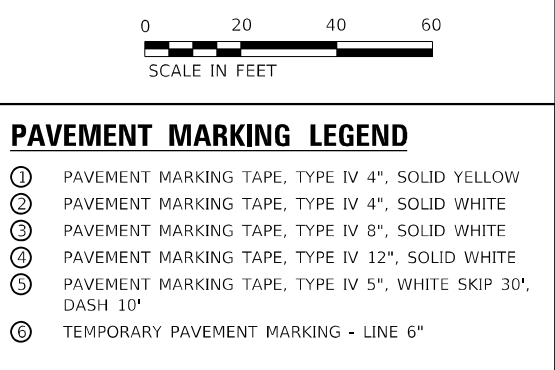
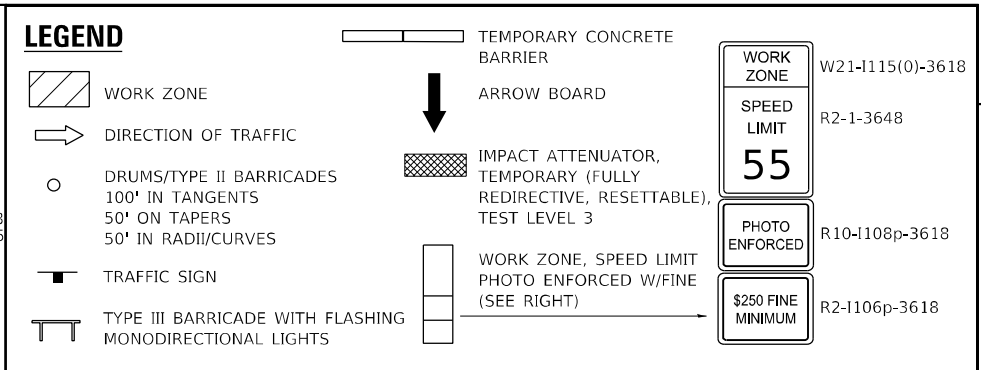
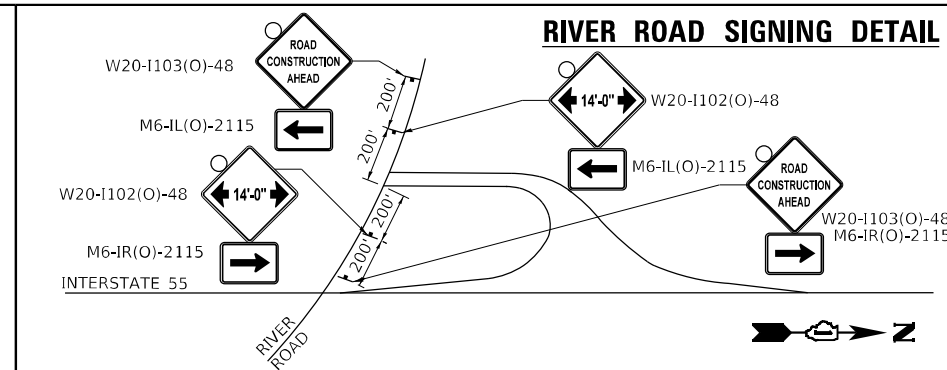
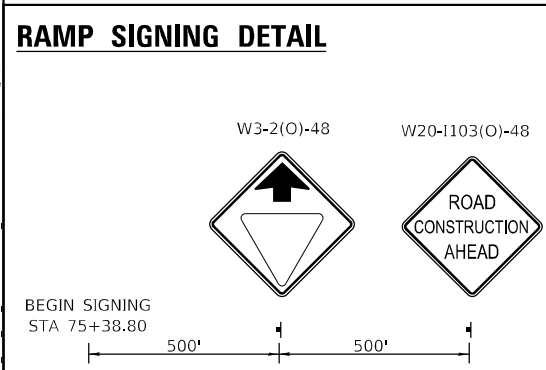
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE II			
F.A.J. RTE. 55	SECTION 2020-239-BR	COUNTY WILL	TOTAL SHEETS 78
SCALE: 40,0000 ' / in.		SHEET 22 OF 34 SHEETS	
STA. 15+00		TO STA. 27+00	

F.A.J. RTE. 55	SECTION 2020-239-BR	COUNTY WILL	TOTAL SHEETS 78	SHEET NO. 28
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



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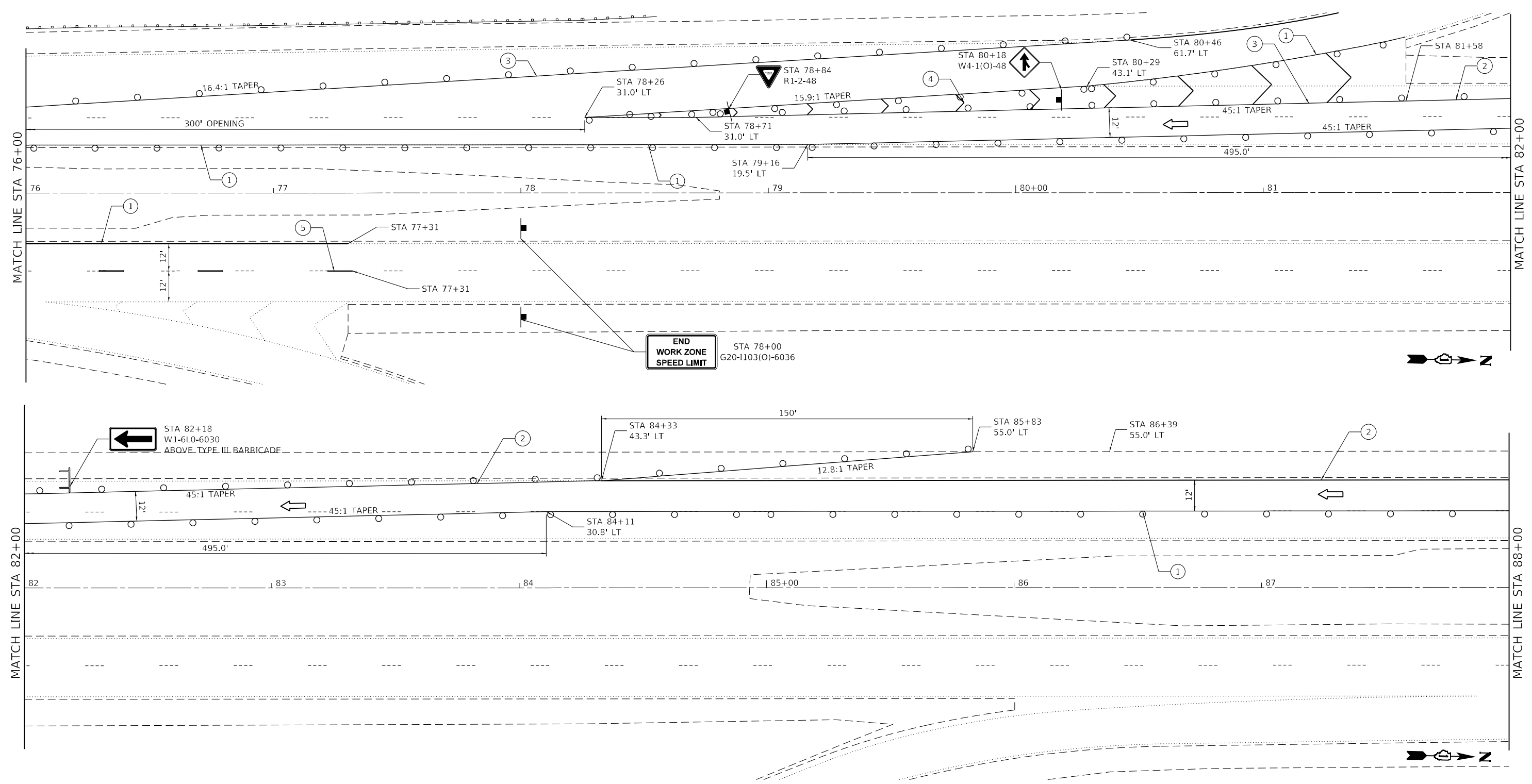
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE II

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	29
CONTRACT NO. 62N08				
ILLINOIS / FED. AID PROJECT				

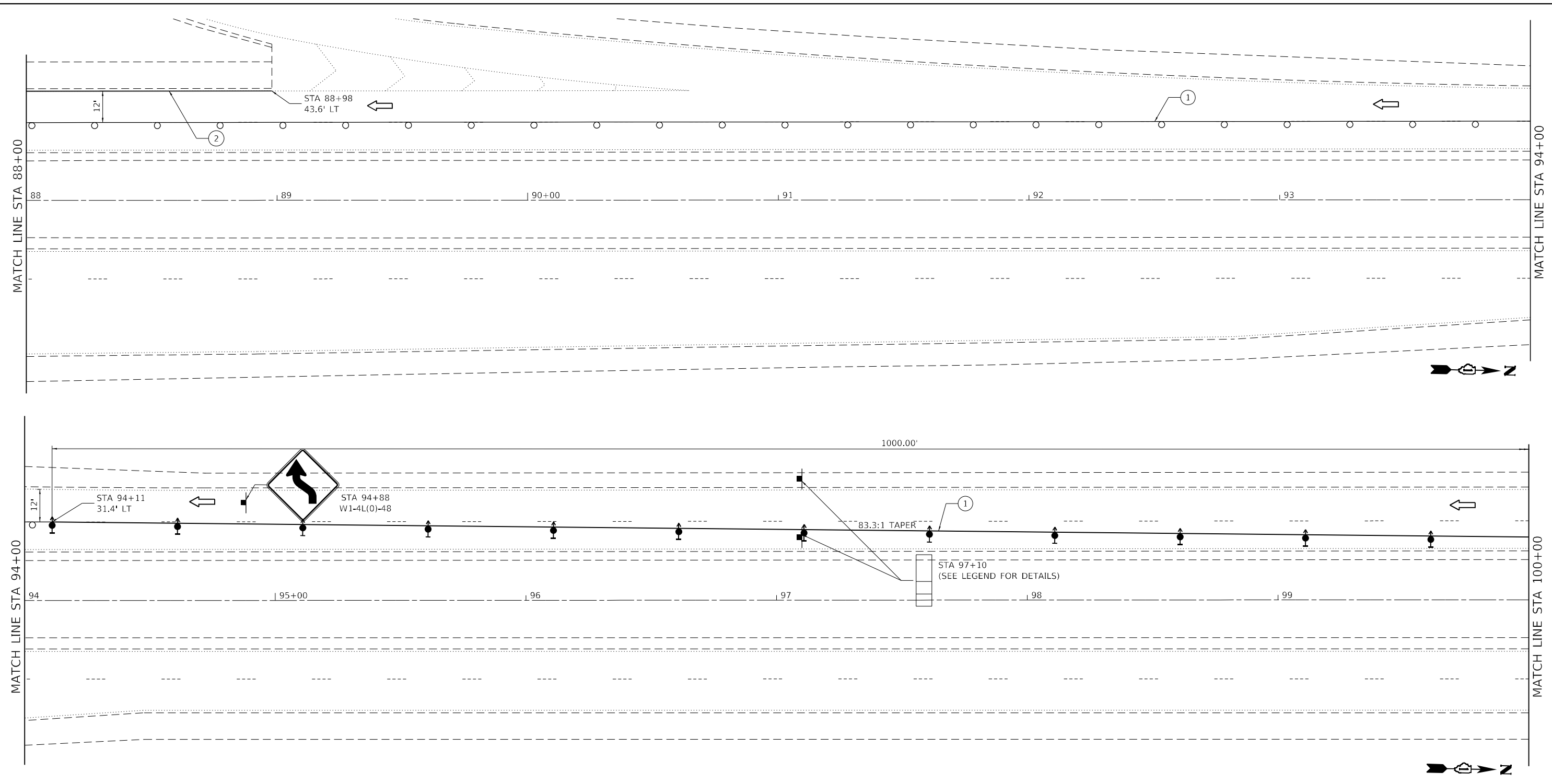
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LEGEND		PAVEMENT MARKING LEGEND	
	WORK ZONE		ARROW BOARD
	DIRECTION OF TRAFFIC		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADII/CURVES		WORK ZONE SPEED LIMIT W21-1115(0)-3618 R2-1-3648 45
	TRAFFIC SIGN		PHOTO ENFORCED R10-1108p-3618
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		\$250 FINE MINIMUM R2-1106p-3618
			WORK ZONE SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)
	PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW		PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
	PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE		PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
	PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'		

USER: aha
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LEGEND		PAVEMENT MARKING LEGEND	
	WORK ZONE		ARROW BOARD
	DIRECTION OF TRAFFIC		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADII/CURVES		WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)
	TRAFFIC SIGN		PHOTO ENFORCED
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		\$250 FINE MINIMUM
	DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT		WORK ZONE
			SPEED LIMIT
			PHOTO ENFORCED
			\$250 FINE MINIMUM
			W21-1115(0)-3618
			R2-1-3648
			R10-1108p-3618
			R2-1106p-3618



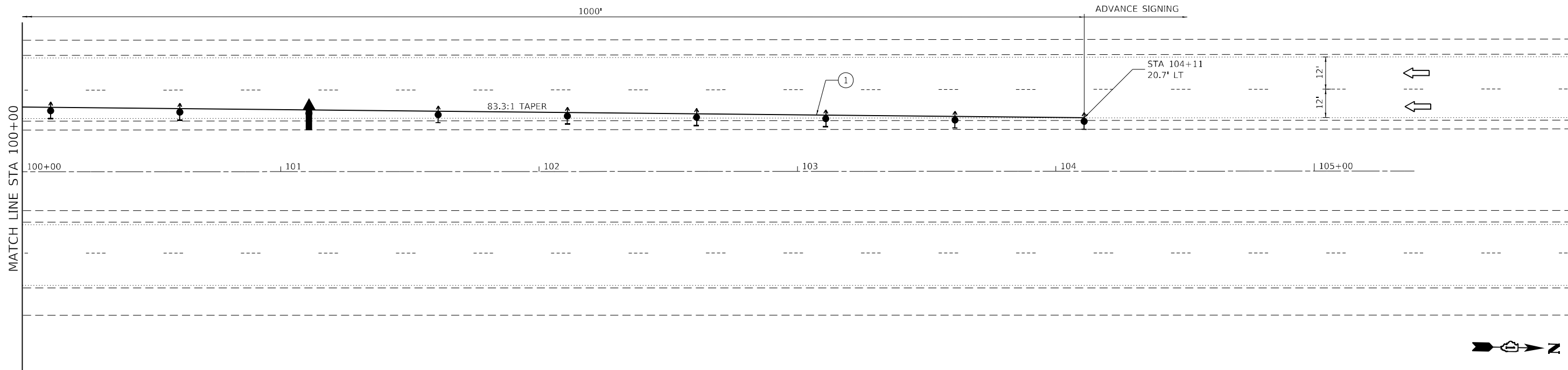
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

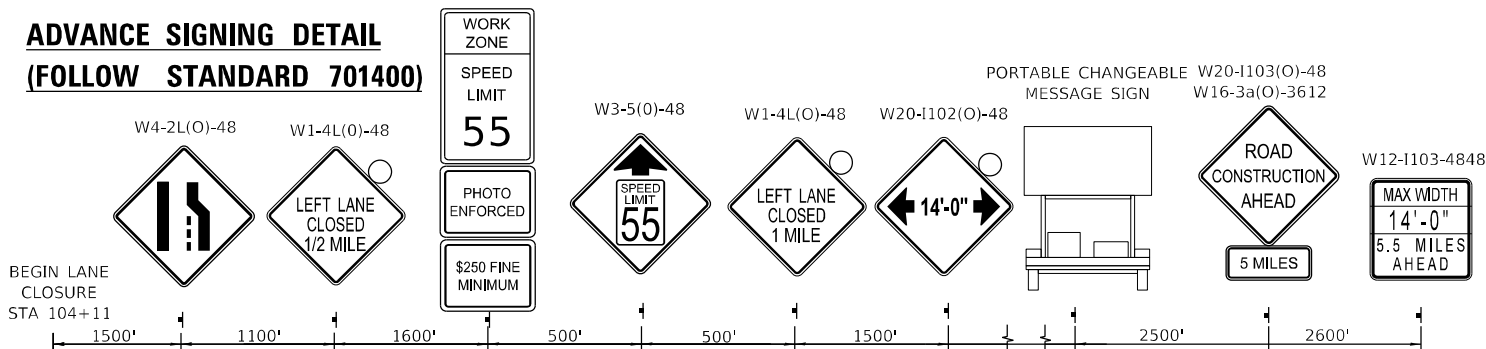
**MAINTENANCE OF TRAFFIC
STAGE II**

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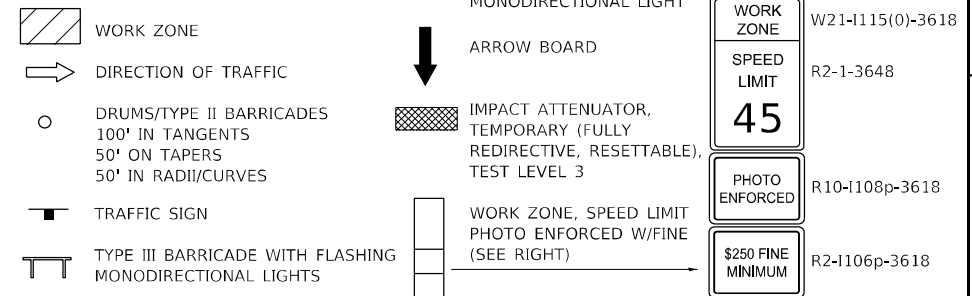
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	31
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



ADVANCE SIGNING DETAIL
(FOLLOW STANDARD 701400)



LEGEND



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

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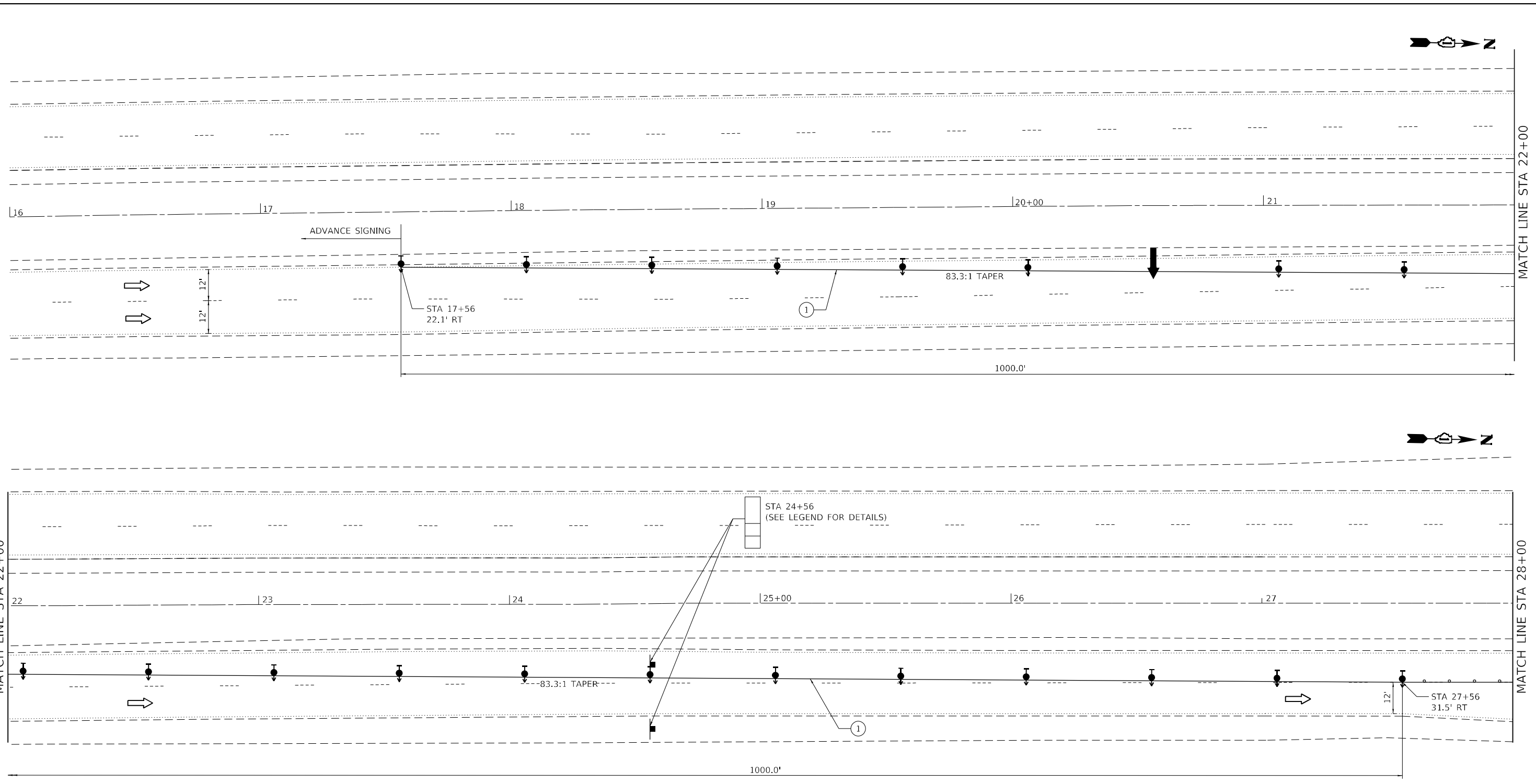
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

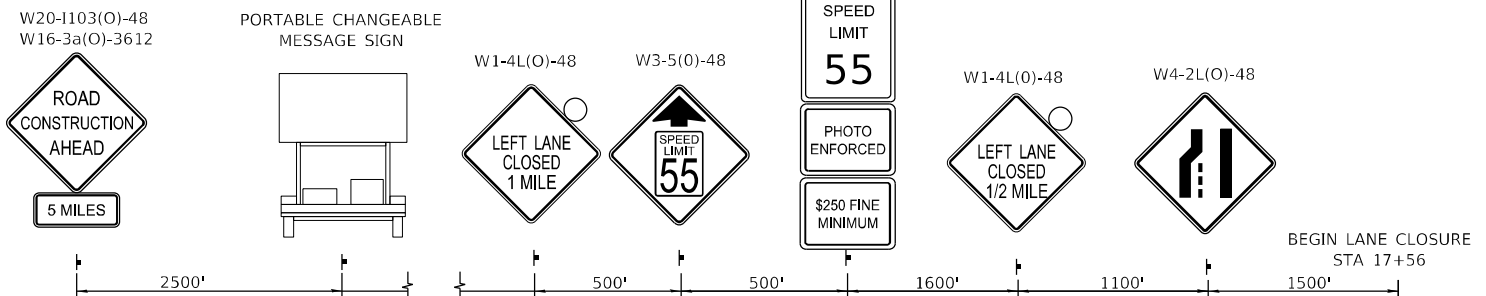
MAINTENANCE OF TRAFFIC
STAGE II

SCALE: 40,0000 * / in. SHEET 26 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	32
CONTRACT NO. 62N08			ILLINOIS FED. AID PROJECT	



ADVANCE SIGNING DETAIL (FOLLOW STANDARD 701400)



LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES
100' IN TANGENTS
50' ON TAPERS
50' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

WORK ZONE

- W21-1115(O)-3618
- R2-1-3648
- R10-1108p-3618
- R2-1106p-3618



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

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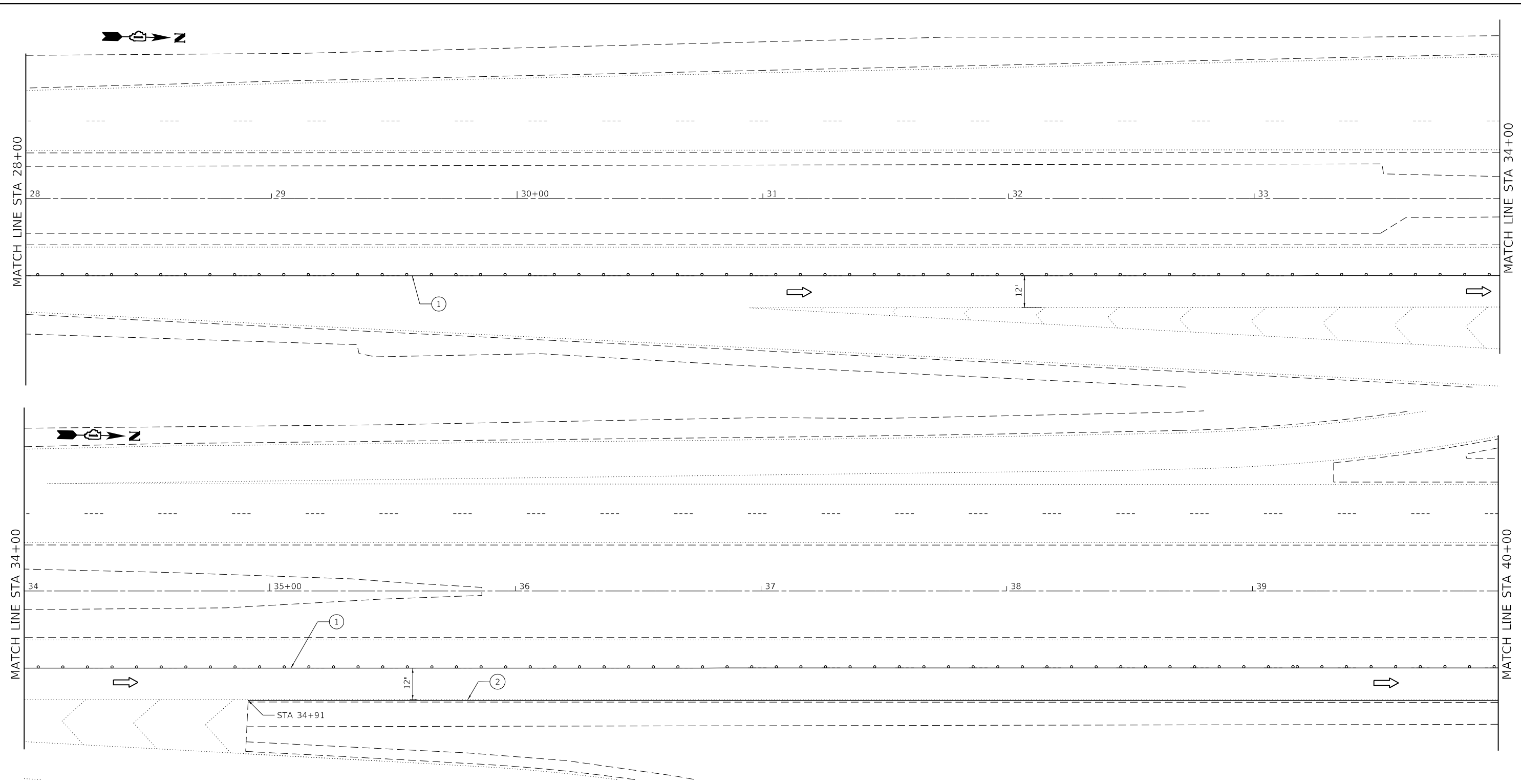
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC POST-STAGE		
SCALE: 40,0000 * / in.	SHEET 27 OF 34 SHEETS	STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	33
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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LEGEND		PAVEMENT MARKING LEGEND	
	WORK ZONE		ARROW BOARD
	DIRECTION OF TRAFFIC		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADIUS/CURVES		TRAFFIC SIGN
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)
	① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW		WORK ZONE SPEED LIMIT 45
	② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE		PHOTO ENFORCED
	③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE		\$250 FINE MINIMUM
	④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE		
	⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
POST-STAGE**

SCALE: 40,0000 * / in. SHEET 28 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	34
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

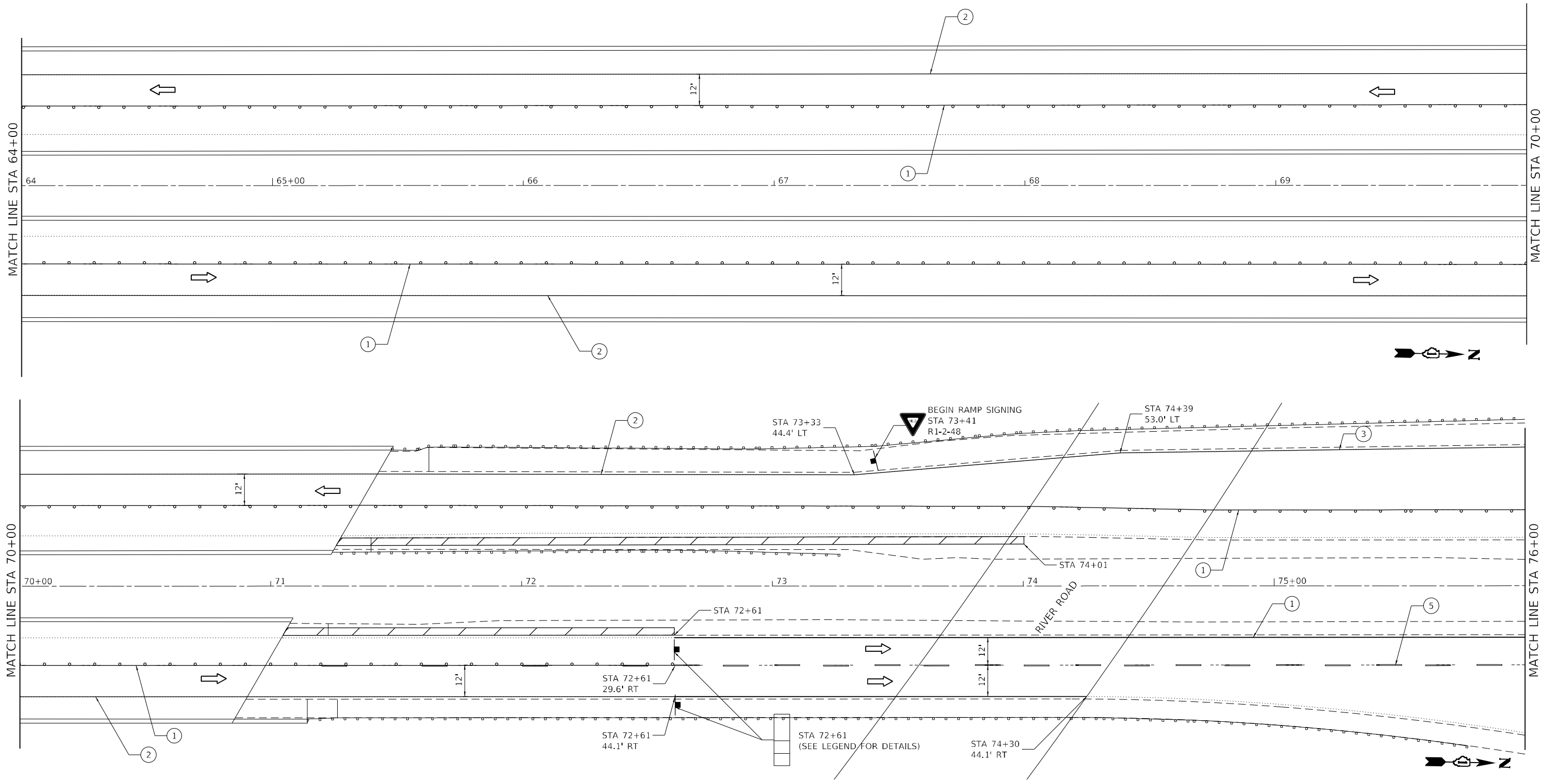


MATCH LINE STA 64+00

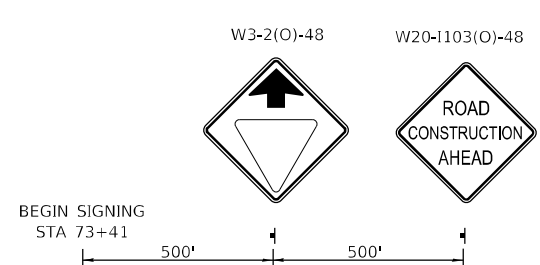
MATCH LINE STA 70+00

MATCH LINE STA 70+00

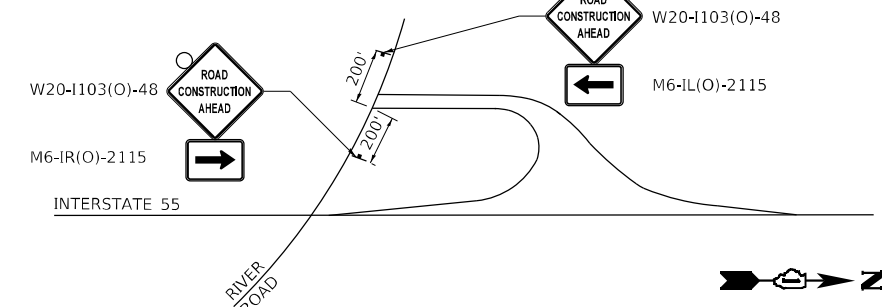
MATCH LINE STA 76+00



RAMP SIGNING DETAIL



RIVER ROAD SIGNING DETAIL



LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES
100' IN TANGENTS
50' ON TAPERS
50' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

WORK ZONE	W21-1115(0)-3618
SPEED LIMIT	R2-1-3648
55	
PHOTO ENFORCED	R10-1108p-3618
\$250 FINE MINIMUM	R2-1106p-3618



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

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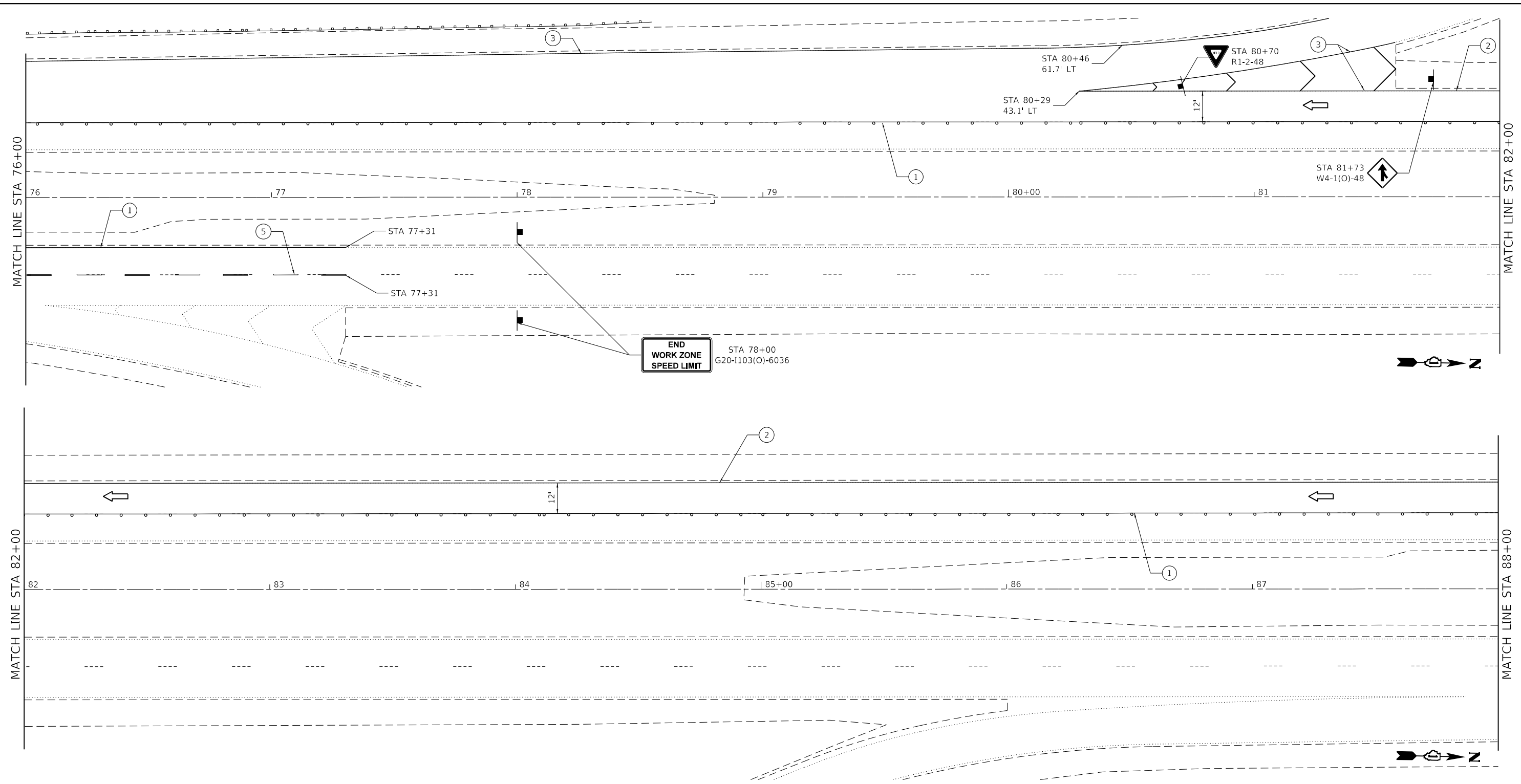
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 POST-STAGE

SCALE: 40,0000 * / in. SHEET 31 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	37
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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LEGEND		PAVEMENT MARKING LEGEND	
	WORK ZONE		ARROW BOARD
	DIRECTION OF TRAFFIC		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADIUS/CURVES		WORK ZONE SPEED LIMIT R2-1-3648
	TRAFFIC SIGN		PHOTO ENFORCED R10-1108p-3618
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		\$250 FINE MINIMUM R2-1106p-3618
			WORK ZONE W21-1115(O)-3618



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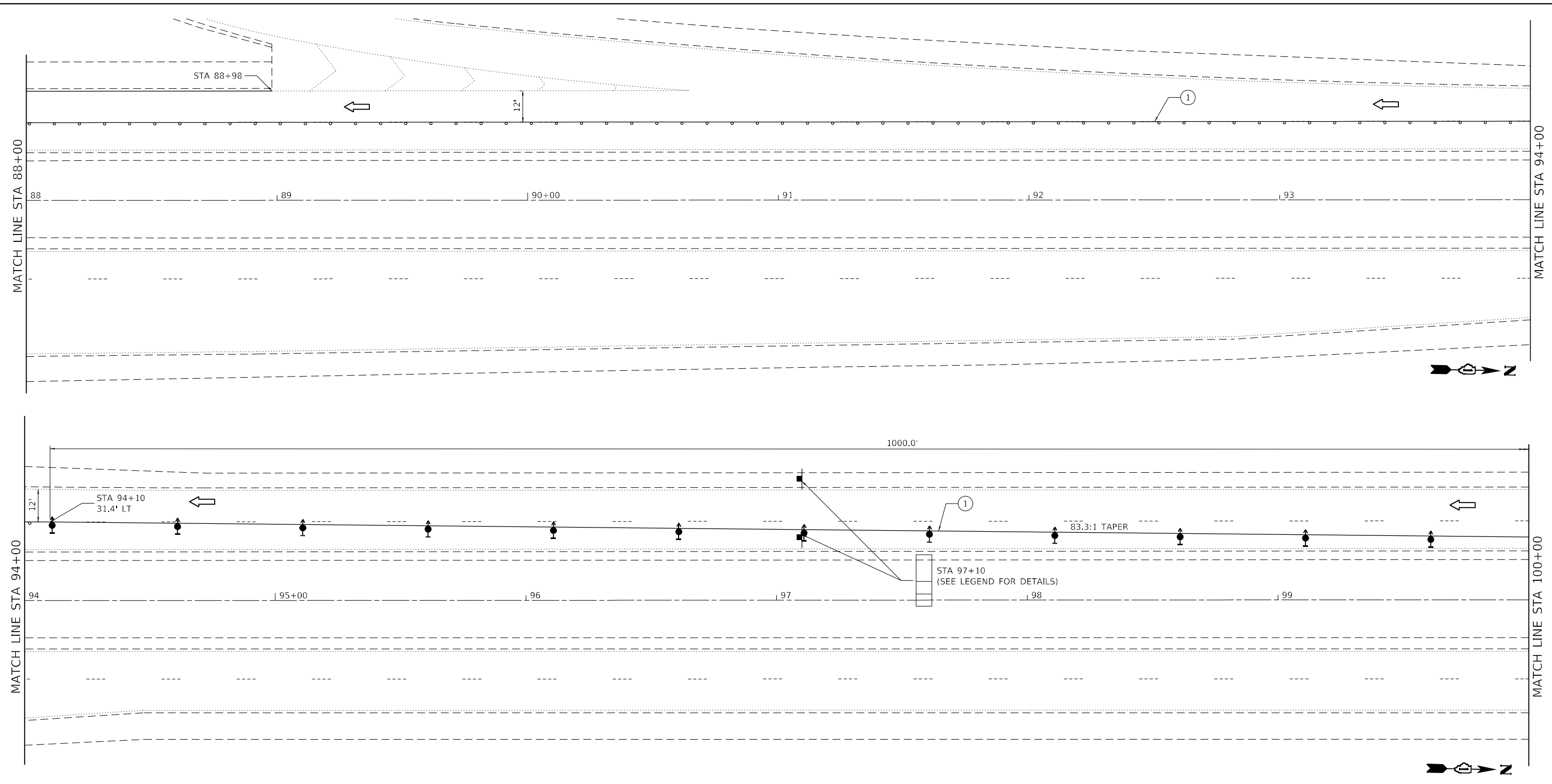
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 POST-STAGE**

SCALE: 40,0000 * / in. SHEET 32 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	38
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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LEGEND		PAVEMENT MARKING LEGEND	
	WORK ZONE		DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	DIRECTION OF TRAFFIC		ARROW BOARD
	DRUMS/TYPE II BARRICADES 100' IN TANGENTS 50' ON TAPERS 50' IN RADIUS/CURVES		IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
	TRAFFIC SIGN		WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		WORK ZONE SPEED LIMIT 45 R2-1-3648
			PHOTO ENFORCED R10-1108p-3618
			\$250 FINE MINIMUM R2-1106p-3618
			PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
			PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
			PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
			PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
			PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30', DASH 10'

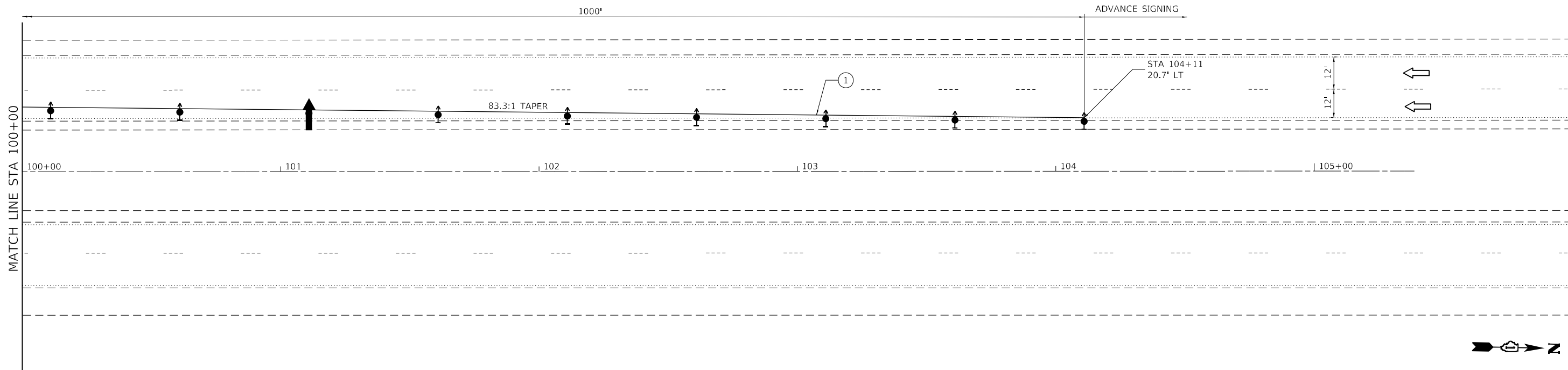
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

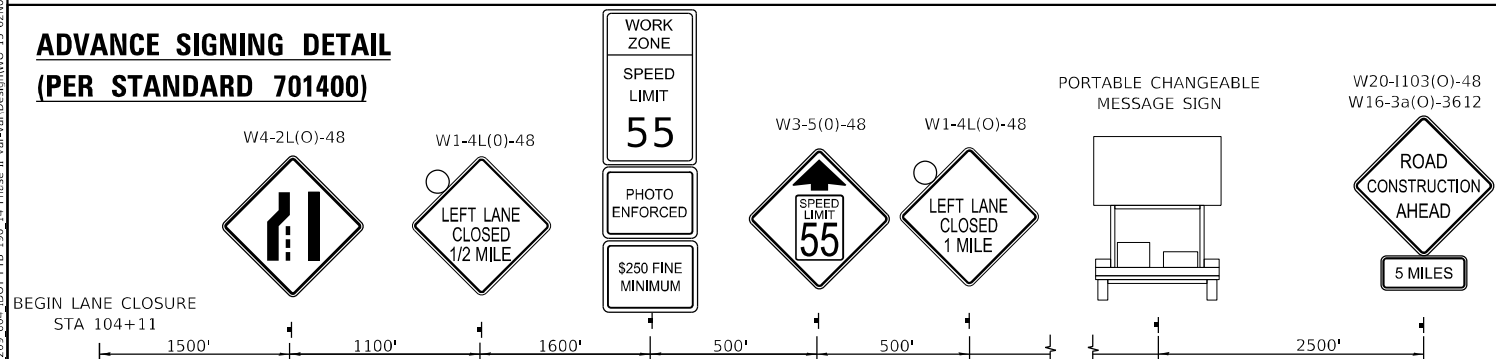
**MAINTENANCE OF TRAFFIC
POST-STAGE**

SCALE: 40,0000 * / in. SHEET 33 OF 34 SHEETS STA. 15+00 TO STA. 27+00

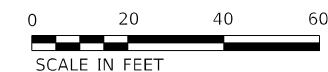
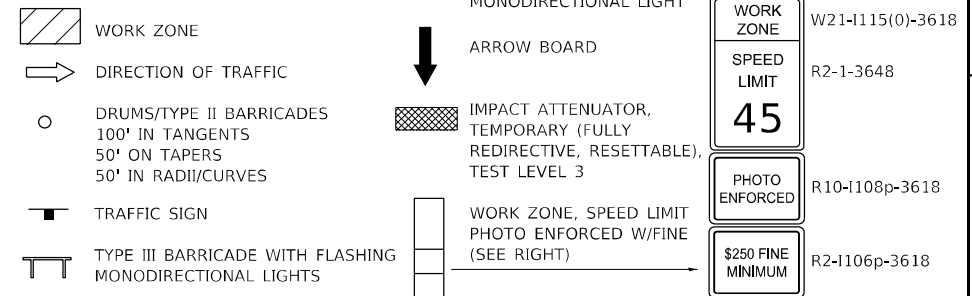
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	



**ADVANCE SIGNING DETAIL
(PER STANDARD 701400)**

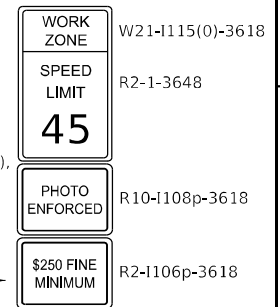


LEGEND



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV 4", SOLID YELLOW
- ② PAVEMENT MARKING TAPE, TYPE IV 4", SOLID WHITE
- ③ PAVEMENT MARKING TAPE, TYPE IV 8", SOLID WHITE
- ④ PAVEMENT MARKING TAPE, TYPE IV 12", SOLID WHITE
- ⑤ PAVEMENT MARKING TAPE, TYPE IV 5", WHITE SKIP 30", DASH 10"



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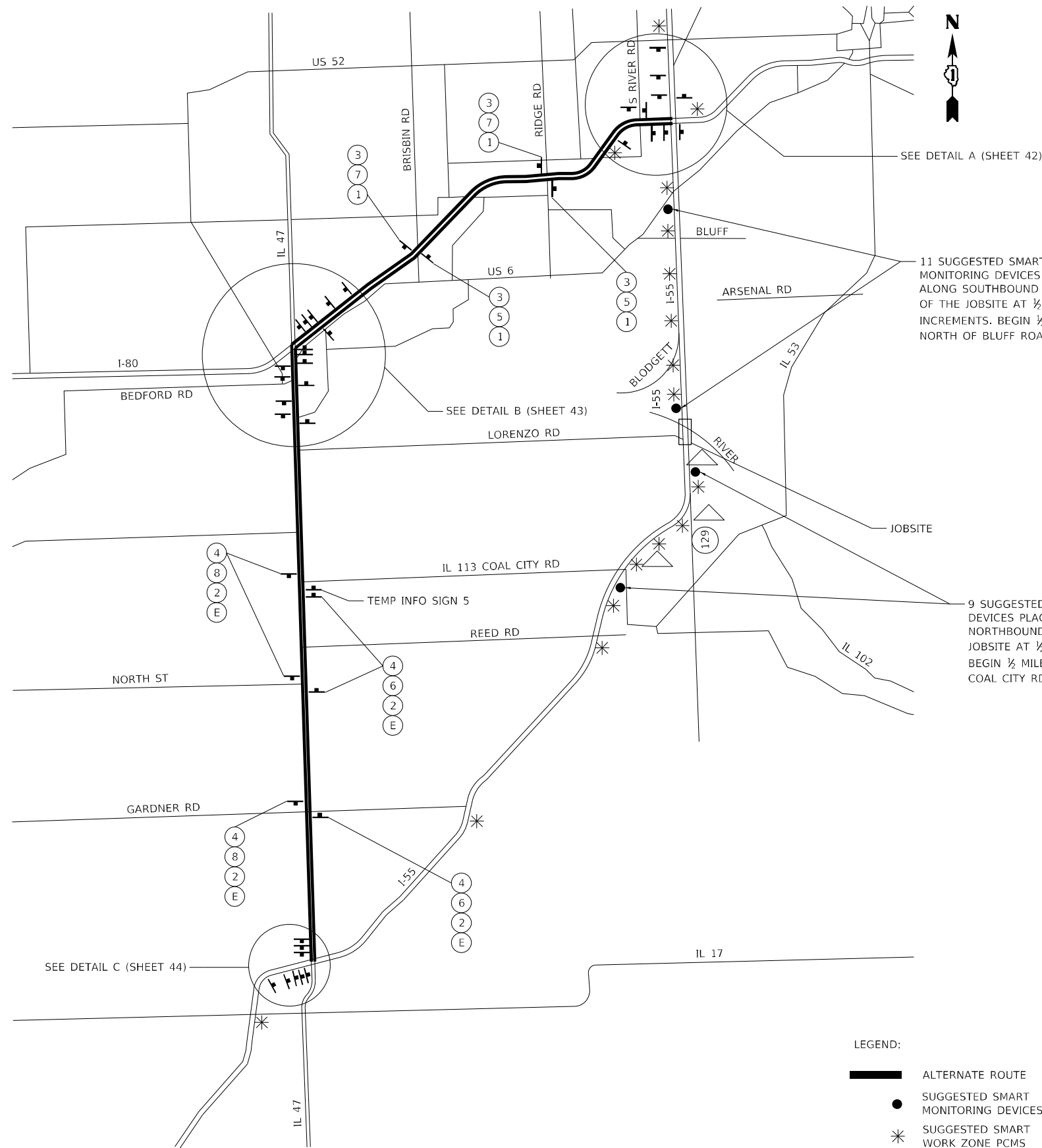
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
POST-STAGE**

SCALE: 40,0000 * / in. SHEET 34 OF 34 SHEETS STA. 15+00 TO STA. 27+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	40
CONTRACT NO. 62N08			ILLINOIS FED. AID PROJECT	

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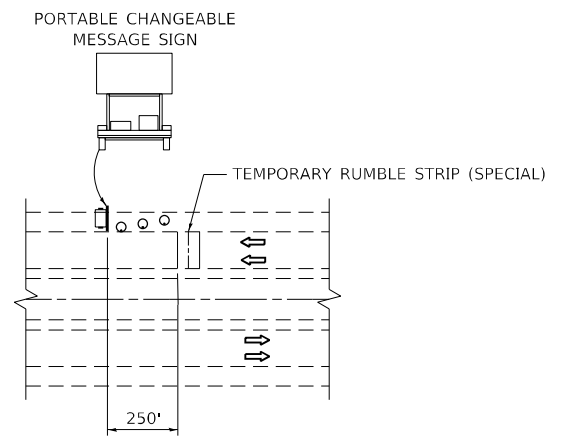


- LEGEND:**
- ALTERNATE ROUTE
 - SUGGESTED SMART MONITORING DEVICES
 - SUGGESTED SMART WORK ZONE PCMS
 - SUGGESTED VIDEO TOWER

1 M1-1.2 (36" x 36") WHITE ON BLUE	2 M1-1.2 (24" x 24") WHITE ON BLUE	3 (36" x 18") BLACK ON ORANGE	4 (24" x 12") BLACK ON ORANGE	5 M3-1 (36" x 18") WHITE ON BLUE
6 M3-1 (24" x 12") WHITE ON BLUE	7 M3-3 (36" x 18") WHITE ON BLUE	8 M3-3 (24" x 12") WHITE ON BLUE	9 (24" x 12") BLACK ON ORANGE	10 (36" x 18") BLACK ON ORANGE
A (30" x 21") BLACK ON ORANGE	B (30" x 21") BLACK ON ORANGE	C (30" x 21") BLACK ON ORANGE	D (30" x 21") BLACK ON ORANGE	E (21" x 15") BLACK ON ORANGE
F (21" x 15") BLACK ON ORANGE	G (21" x 15") BLACK ON ORANGE	H (30" x 21") BLACK ON ORANGE		

11 SUGGESTED SMART MONITORING DEVICES PLACED ALONG SOUTHBOUND I-55 NORTH OF THE JOBSITE AT 1/2 MILE INCREMENTS. BEGIN 1/2 MILE NORTH OF BLUFF ROAD

9 SUGGESTED SMART MONITORING DEVICES PLACED ALONG NORTHBOUND I-55 SOUTH OF THE JOBSITE AT 1/2 MILE INCREMENTS. BEGIN 1/2 MILE SOUTH OF IL 113 COAL CITY RD



- VIDEO TOWER @ SOUTH OF JOBSITE BRIDGES
- VIDEO TOWER @ NORTH OF IL-113
- VIDEO TOWER @ IL-129

- NOTE:**
- FOR TEMPORARY INFORMATION SIGN DETAILS SEE SHEETS 45-47.
 - ALL PCMS, SMART MONITORING DEVICES, AND VIDEO TOWERS PLACEMENTS ARE SUGGESTED LOCATIONS ONLY. ACTUAL LOCATIONS OF ALL SMART WORK ZONE DEVICES SHALL BE DETERMINED BY THE CONTRACTOR AND ENGINEER PER THE SPECIFICATIONS.



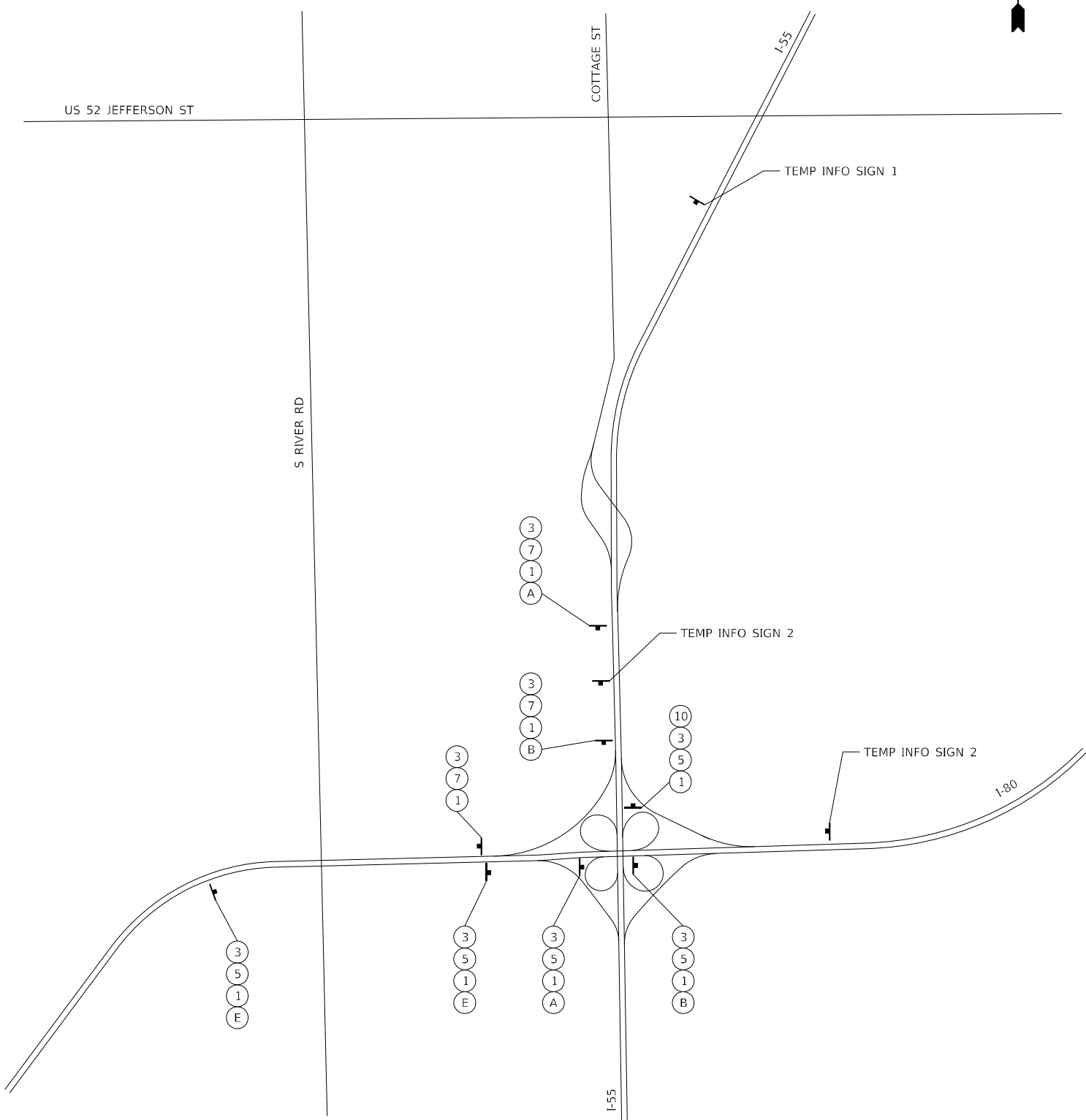
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALTERNATE ROUTE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	41
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



- | | | | | |
|---------------------------------------|---------------------------------------|-------------------------------------|----------------------------------|-------------------------------------|
| | | | | |
| ① M1-1.2 (36" x 36")
WHITE ON BLUE | ② M1-1.2 (24" x 24")
WHITE ON BLUE | ③ (36" x 18")
BLACK ON ORANGE | ④ (24" x 12")
BLACK ON ORANGE | ⑤ M3-1 (36" x 18")
WHITE ON BLUE |
| | | | | |
| ⑥ M3-1 (24" x 12")
WHITE ON BLUE | ⑦ M3-3 (36" x 18")
WHITE ON BLUE | ⑧ M3-3 (24" x 12")
WHITE ON BLUE | ⑨ (24" x 12")
BLACK ON ORANGE | ⑩ (36" x 18")
BLACK ON ORANGE |
| | | | | |
| Ⓐ (30" x 21")
BLACK ON ORANGE | Ⓑ (30" x 21")
BLACK ON ORANGE | Ⓒ (30" x 21")
BLACK ON ORANGE | Ⓓ (30" x 21")
BLACK ON ORANGE | Ⓔ (21" x 15")
BLACK ON ORANGE |
| | | | | |
| Ⓕ (21" x 15")
BLACK ON ORANGE | Ⓖ (21" x 15")
BLACK ON ORANGE | Ⓗ (30" x 21")
BLACK ON ORANGE | | |

NOTE:
1. FOR TEMPORARY INFORMATION SIGN DETAILS SEE SHEETS 45-47.

USER: aha
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 FILE NAME: PLOT_2020_004_IDOT_PTB_190_14 Phase II Variable Deceleration 15 62N08-Alt-Route-02.dgn



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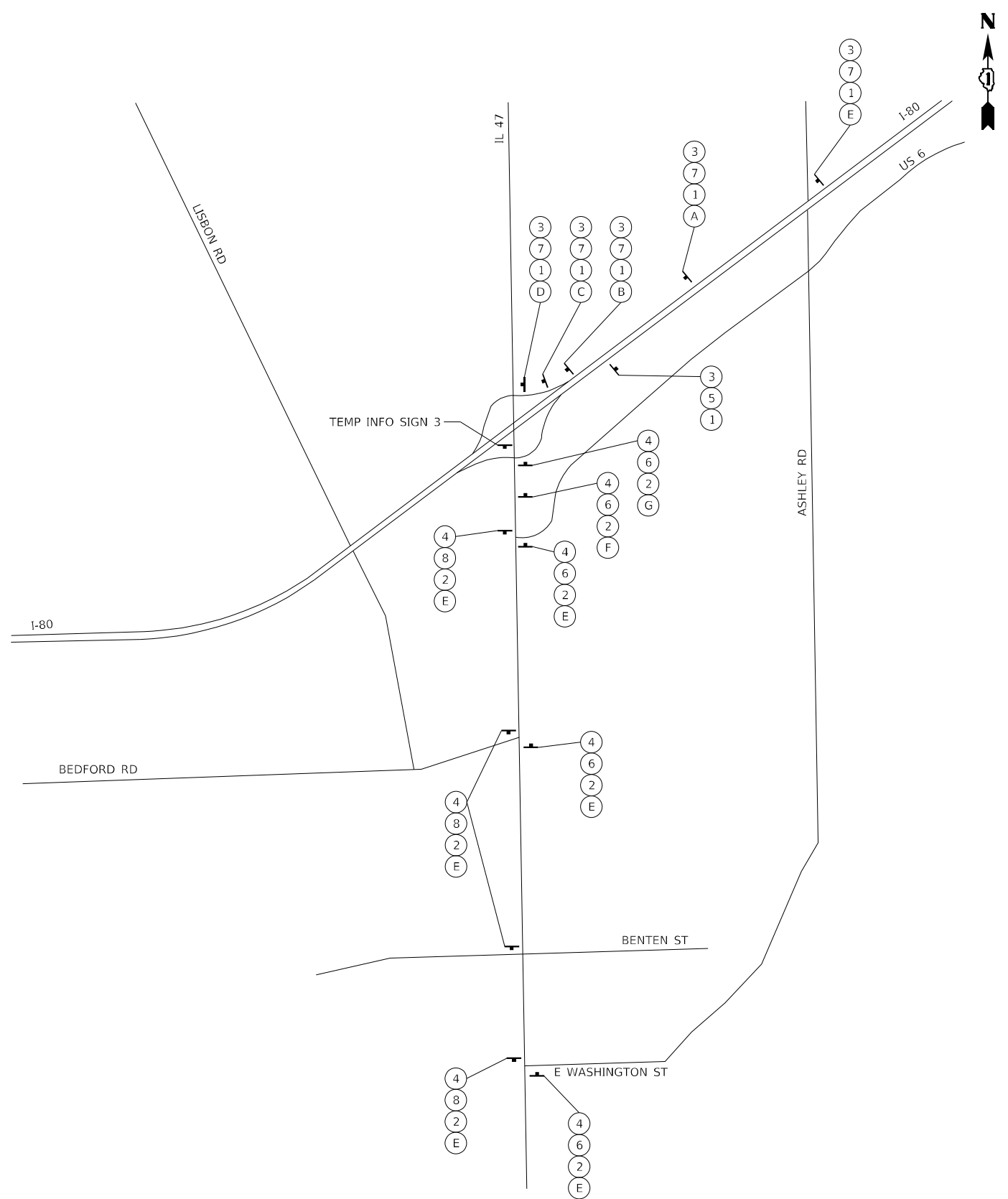
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALTERNATE ROUTE
DETAIL A

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	

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- | | | | | |
|---------------------------------------|---------------------------------------|-------------------------------------|----------------------------------|---------------------------------------|
| | | | | |
| ① M1-1.2 (36" x 36")
WHITE ON BLUE | ② M1-1.2 (24" x 24")
WHITE ON BLUE | ③ (36" x 18")
BLACK ON ORANGE | ④ (24" x 12")
BLACK ON ORANGE | ⑤ M3-1 (36" x 18")
WHITE ON BLUE |
| | | | | |
| ⑥ M3-1 (24" x 12")
WHITE ON BLUE | ⑦ M3-3 (36" x 18")
WHITE ON BLUE | ⑧ M3-3 (24" x 12")
WHITE ON BLUE | ⑨ (24" x 12")
BLACK ON ORANGE | ⑩ M3-1 (36" x 18")
BLACK ON ORANGE |
| | | | | |
| Ⓐ (30" x 21")
BLACK ON ORANGE | Ⓑ (30" x 21")
BLACK ON ORANGE | Ⓒ (30" x 21")
BLACK ON ORANGE | Ⓓ (30" x 21")
BLACK ON ORANGE | Ⓔ (21" x 15")
BLACK ON ORANGE |
| | | | | |
| Ⓕ (21" x 15")
BLACK ON ORANGE | Ⓖ (21" x 15")
BLACK ON ORANGE | Ⓗ (30" x 21")
BLACK ON ORANGE | | |

NOTE:
 1. FOR TEMPORARY INFORMATION SIGN DETAILS SEE SHEETS 45-47.



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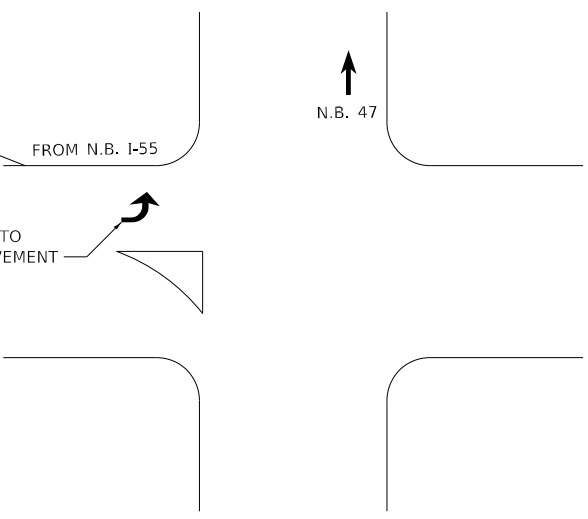
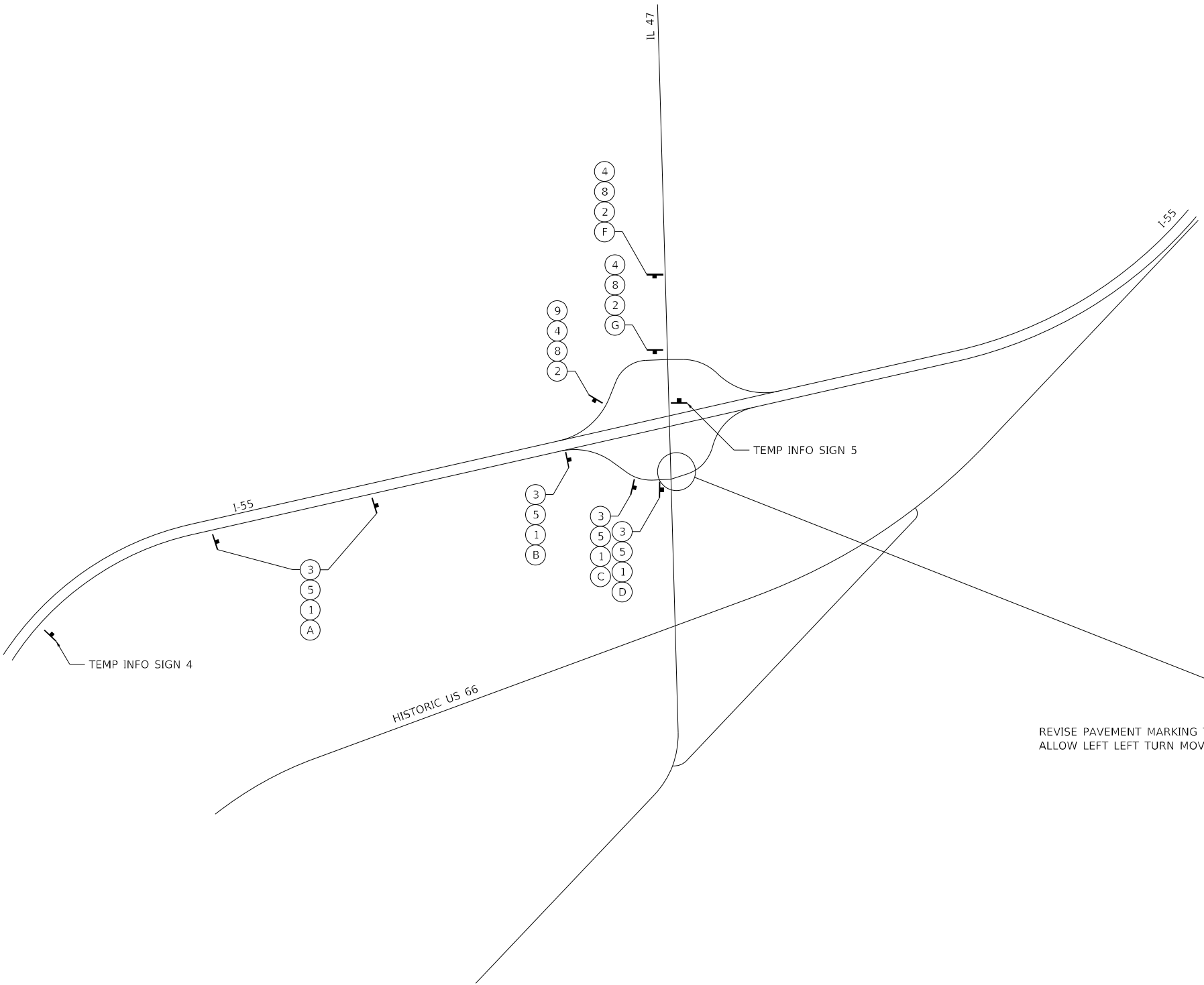
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALTERNATE ROUTE DETAIL B			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	43
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



- ① M1-1.2 (36" x 36") WHITE ON BLUE
- ② M1-1.2 (24" x 24") WHITE ON BLUE
- ③ (36" x 18") BLACK ON ORANGE
- ④ (24" x 12") BLACK ON ORANGE
- ⑤ M3-1 (36" x 18") WHITE ON BLUE
- ⑥ M3-1 (24" x 12") WHITE ON BLUE
- ⑦ M3-3 (36" x 18") WHITE ON BLUE
- ⑧ M3-3 (24" x 12") WHITE ON BLUE
- ⑨ (24" x 12") BLACK ON ORANGE
- ⑩ (36" x 18") BLACK ON ORANGE
- A (30" x 21") BLACK ON ORANGE
- B (30" x 21") BLACK ON ORANGE
- C (30" x 21") BLACK ON ORANGE
- D (30" x 21") BLACK ON ORANGE
- E (21" x 15") BLACK ON ORANGE
- F (21" x 15") BLACK ON ORANGE
- G (21" x 15") BLACK ON ORANGE
- H (30" x 21") BLACK ON ORANGE



DETAIL

NOTE:
1. FOR TEMPORARY INFORMATION SIGN DETAILS SEE SHEETS 45-47.

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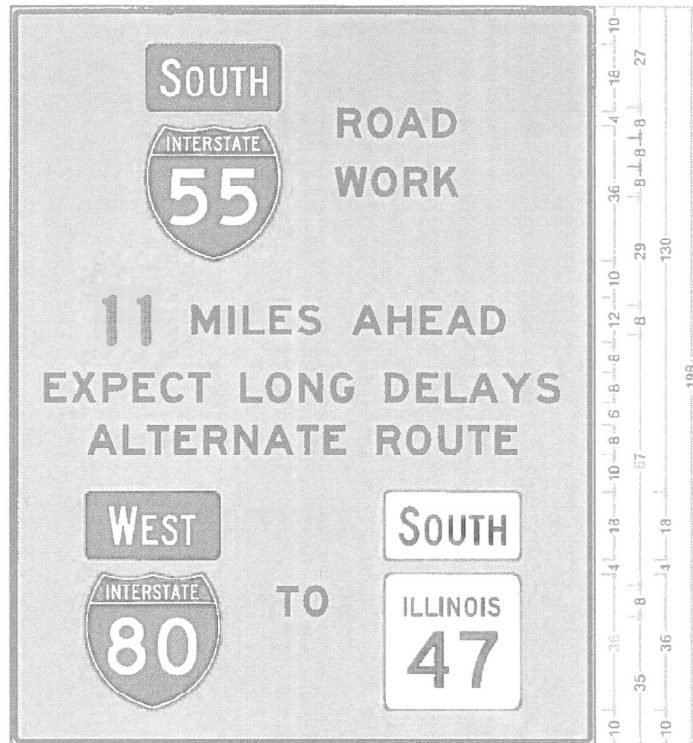
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALTERNATE ROUTE DETAIL C			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	44
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

TEMP INFO #1

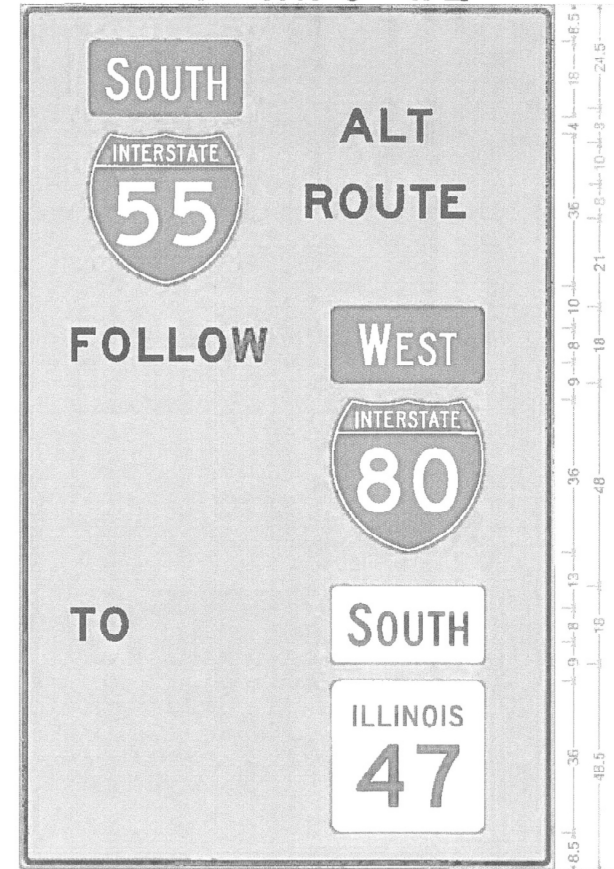


36.4	36	15	31.7	36.9		
86.7		33		36.3		
17.7	22	10	34.6	8	41	17.7
9.3	44.2		30.4	8	46.9	9.2
20.7		69		8	37.7	20.6
20.2	36	15	13.7	15	36	20.1
			156			

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
 Rounded Rectangle 1.5" Radius Blue;
 "ROAD" E Mod 2K; "WORK" E Mod 2K; "6" E Mod 2K;
 "MILES AHEAD" E Mod 2K; "EXPECT LONG DELAYS" E Mod 2K;
 "ALTERNATE ROUTE" E Mod 2K; Rounded Rectangle 1.5" Radius Blue;
 "TO" E Mod 2K; Rounded Rectangle 1.5" Radius White;
 Table of distances between letter and object lefts.

36.4	51.0	7.8	7.9	9.5	6.5	36.9											
36.4	50.3	9.6	8.7	8.1	6.6	36.3											
17.7	12.3	24.7	9.7	3.9	7.2	7.3	14.5	9.5	8.7	6.8	9.6	6.4	17.7				
9.3	7.0	8.7	7.9	7.3	7.4	13.9	6.9	8.6	8.4	14.5	8.4	7.6	6.4	8.7	9.3	6.5	9.2
20.7	9.5	6.4	7.4	7.6	8.2	7.9	8.7	7.4	13.9	7.8	8.7	7.9	7.3	6.0	20.6		
20.2	51.0	7.0	21.7	36.0	20.1												
20.2	79.7	36.0	20.1														

TEMP INFO #2



16.5	36	22.9	21.8	28.8
67.5		37.6		20.9
12.1	46.4	15	36	16.5
12.1	13.7	47.7	36	16.5
			126	

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
 Rounded Rectangle 1.5" Radius Blue;
 "ALT" E Mod 2K; "ROUTE" E Mod 2K; "FOLLOW" E Mod 2K;
 Rounded Rectangle 1.5" Radius Blue;
 "TO" E Mod 2K; Rounded Rectangle 1.5" Radius White;
 Table of distances between letter and object lefts.

16.5	58.9	9.5	6.4	6.9	28.8			
16.5	51.0	7.8	8.6	8.0	7.3	5.9	20.9	
12.1	7.3	8.7	7.2	6.8	7.9	23.5	36.0	16.5
73.5	36.0	16.5						
12.1	7.0	54.4	36.0	16.5				
73.5	36.0	16.5						

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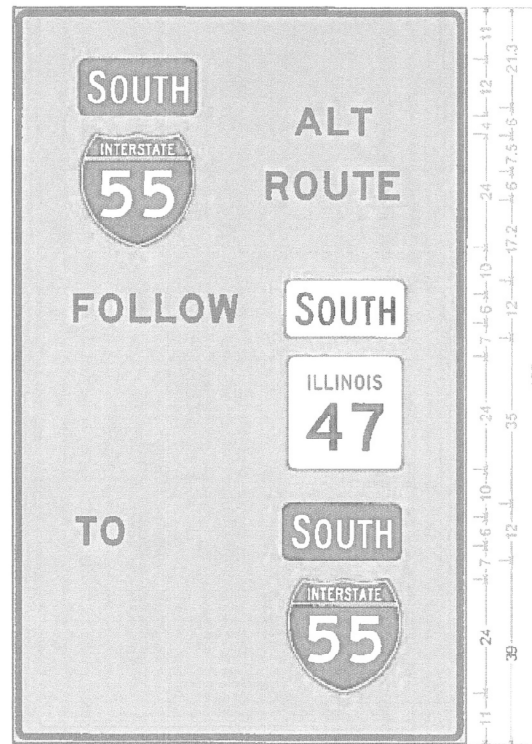
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALTERNATE ROUTE
TEMPORARY INFORMATION SIGN DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F A I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	45
			CONTRACT NO. 62N08	
			ILLINOIS FED. AID PROJECT	

TEMP INFO #3



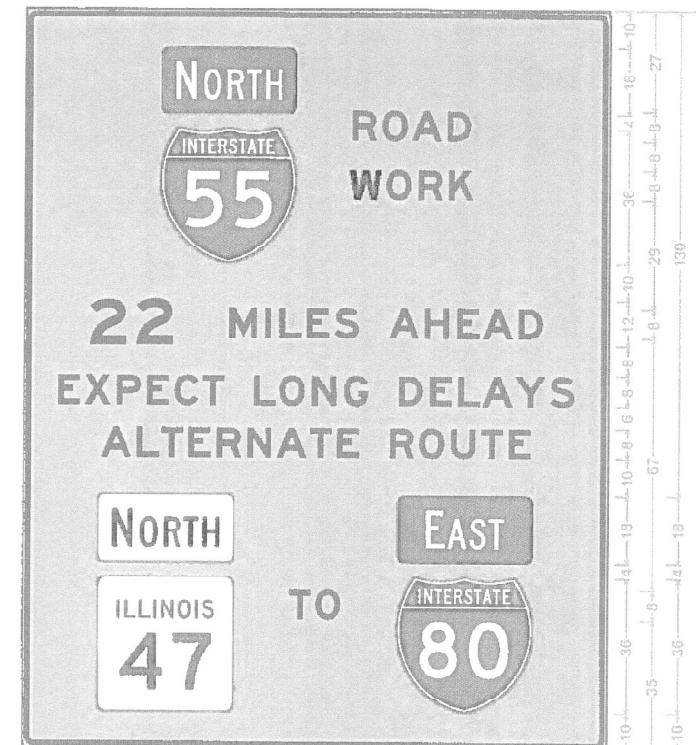
14.1	25.1	20.4	16.4	20
14.6	24	15	28.3	14.1
13.1	34.7	10	25.1	13.1
	58.4		24	13.6
13.7	10.3	33.2	25.1	13.7
	50.3		24	13.7
96				

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange.
 Rounded Rectangle 1.5" Radius Blue.
 "ALT" E Mod 2K; "ROUTE" E Mod 2K; "FOLLOW" E Mod 2K;
 Rounded Rectangle 1.5" Radius White.
 "TO" E Mod 2K; Rounded Rectangle 1.5" Radius Blue.

Table of distances between letter and object lefts.

	A	L	T					
14.1	45.5	7.1	4.8	4.5	20.0			
	R	O	U	T	E			
14.6	39.0	5.9	6.5	5.9	5.6	4.4	14.1	
	F	O	L	L	O	W		
13.1	5.4	6.5	5.4	5.2	5.9	16.3	25.1	13.1
	T	O						
58.4	24.0	13.6						
13.7	5.3	38.2	25.1	13.7				
58.3	24.0	13.7						

TEMP INFO #4



36.3	36	15	31.7	37			
	86.7		33	36.3			
17.7	22	15	34.6	8	41	17.7	
9.2		44.3		30.4	8	46.9	9.2
20.7		68.9		8	37.7	20.7	
20.1	35	15	13.8	15	36	20.1	
156							

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange.
 Rounded Rectangle 1.5" Radius Blue.
 "ROAD" E Mod 2K; "WORK" E Mod 2K; "25" E Mod 2K.
 "MILES AHEAD" E Mod 2K; "EXPECT LONG DELAYS" E Mod 2K.
 "ALTERNATE ROUTE" E Mod 2K; Rounded Rectangle 1.5" Radius White.
 "TO" E Mod 2K; Rounded Rectangle 1.5" Radius Blue.

Table of distances between letter and object lefts.

	H	O	A	D													
36.3	51.0	7.9	7.8	9.5	6.5	37.0											
	W	O	R	K													
36.3	50.4	9.6	8.6	8.2	6.6	36.3											
	2	2	M	I	L	E	S	A	H	E	A	D					
17.7	12.3	24.7	9.7	3.9	7.2	7.3	14.5	9.5	8.7	6.8	9.6	6.4	17.7				
	E	X	P	E	C	T	L	O	N	G	D	E	L	A	Y	S	
9.2	7.1	8.6	7.9	7.3	7.5	13.9	6.9	8.6	8.4	14.5	8.4	7.6	6.4	8.7	9.3	6.5	9.2
	A	L	T	E	R	N	A	T	E	R	O	U	T	E			
20.7	9.5	6.4	7.4	7.6	8.1	7.9	8.8	7.3	13.9	7.9	6.6	7.9	7.4	5.9	20.7		
	T	O															
20.1	51.0	7.1	21.7	36.0	20.1												
20.1	79.8	36.0	20.1														

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALTERNATE ROUTE
 TEMPORARY INFORMATION SIGN DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F A I R T E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	

TEMP INFO #5



3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange,
 Rounded Rectangle 1.5" Radius Blue;
 "ALT" E Mod 2K; "ROUTE" E Mod 2K; "FOLLOW" E Mod 2K;
 Rounded Rectangle 1.5" Radius White,
 "TO" E Mod 2K, Rounded Rectangle 1.5" Radius Blue,
 Table of distances between letter and object lets.

14.1	45.5	7.1	4.8	4.5	20.0			
14.7	39.0	5.8	6.5	6.0	5.5	4.4	14.1	
13.1	5.4	6.5	5.4	5.2	5.9	16.3	25.1	13.1
58.4	24.0	13.6						
14.2	5.3	38.3	24.0	14.2				
57.8	24.0	14.2						

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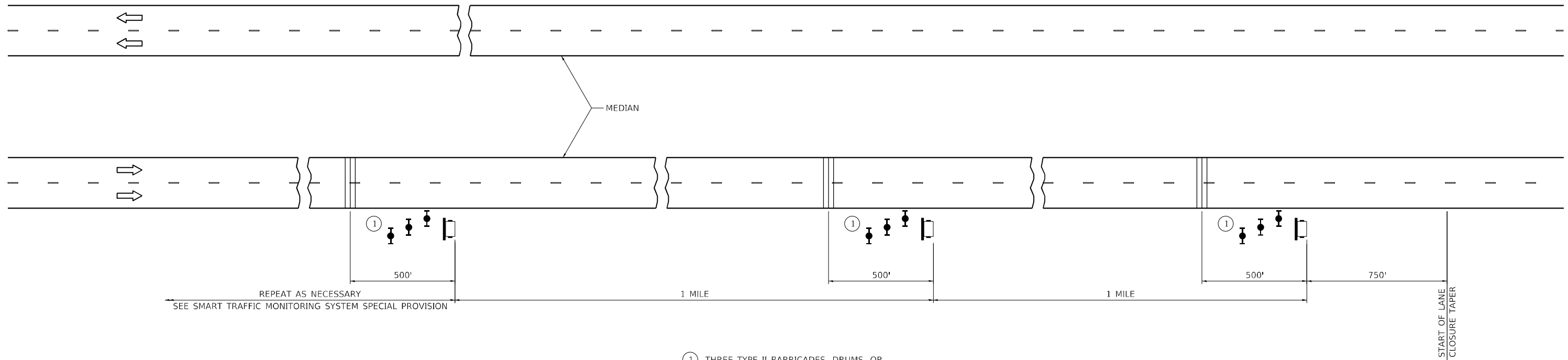
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALTERNATE ROUTE TEMPORARY INFORMATION SIGN DETAIL




SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	47
CONTRACT NO. 62N08			ILLINOIS FED. AID PROJECT	



① THREE TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.

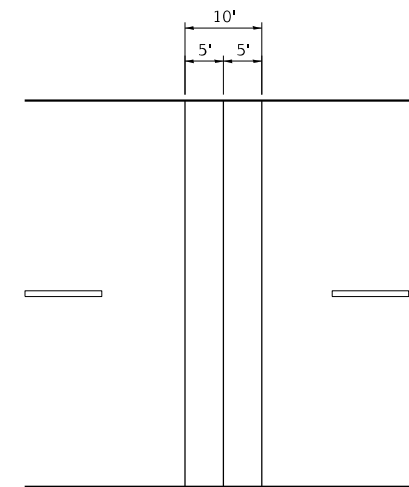
SYMBOLS

-  PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY RUMBLE STRIP (SPECIAL)
-  TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

GENERAL NOTE:

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH SMART TRAFFIC MONITORING SYSTEM AND TEMPORARY RUMBLE STRIP (SPECIAL) SPECIAL PROVISIONS.

TRAFFIC CONTROL SHOWN IN THIS DETAIL IS TO BE PROVIDED IN ADDITION TO ANY TEMPORARY TRAFFIC CONTROL SHOWN ON STATE STANDARDS, DISTRICT DETAILS, AND MAINTENANCE OF TRAFFIC PLANS.



TEMPORARY RUMBLE STRIP (SPECIAL)

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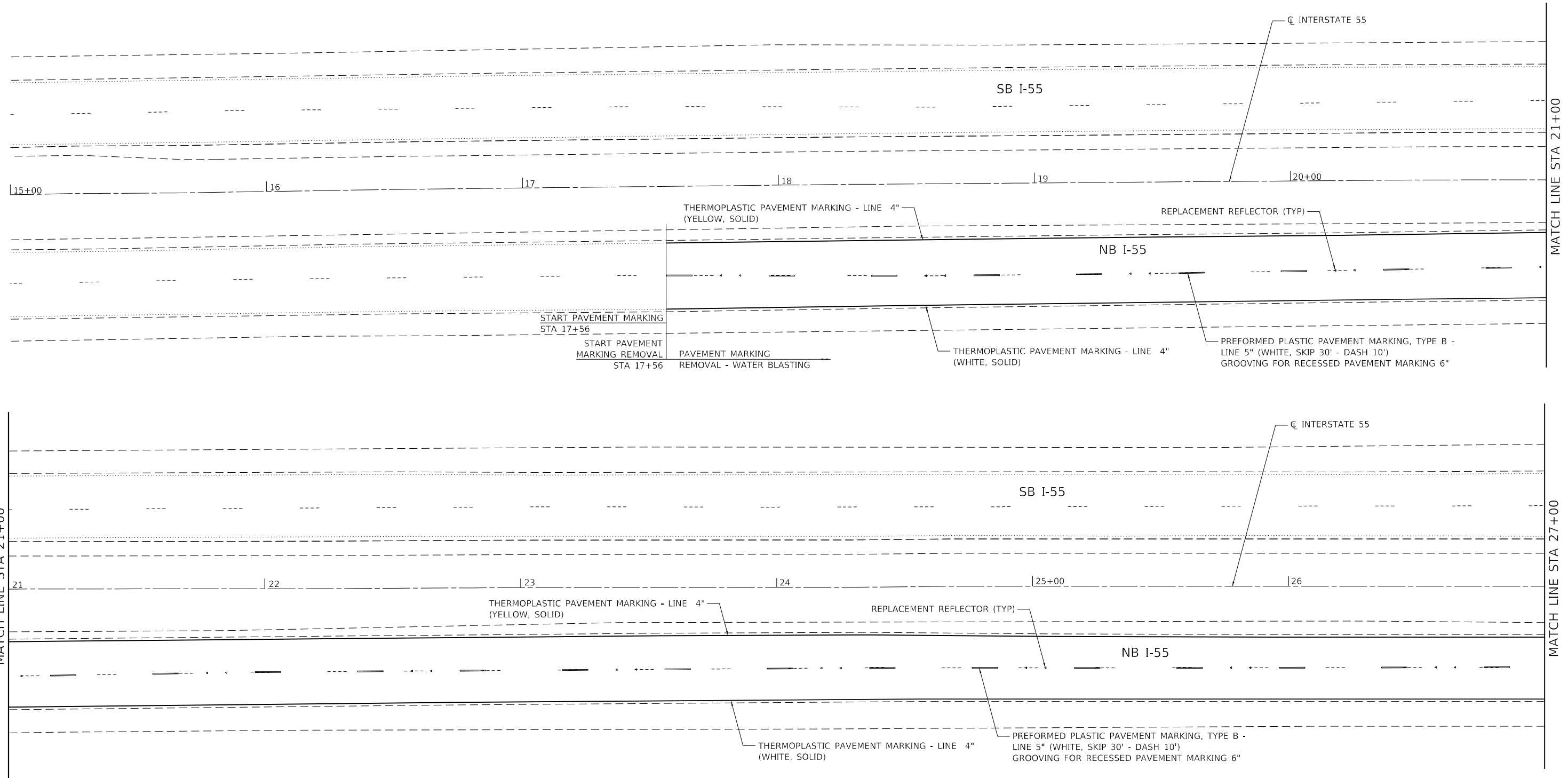
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SMART TRAFFIC MONITORING SYSTEM
TYPICAL LAYOUT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	

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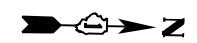
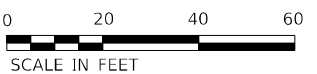
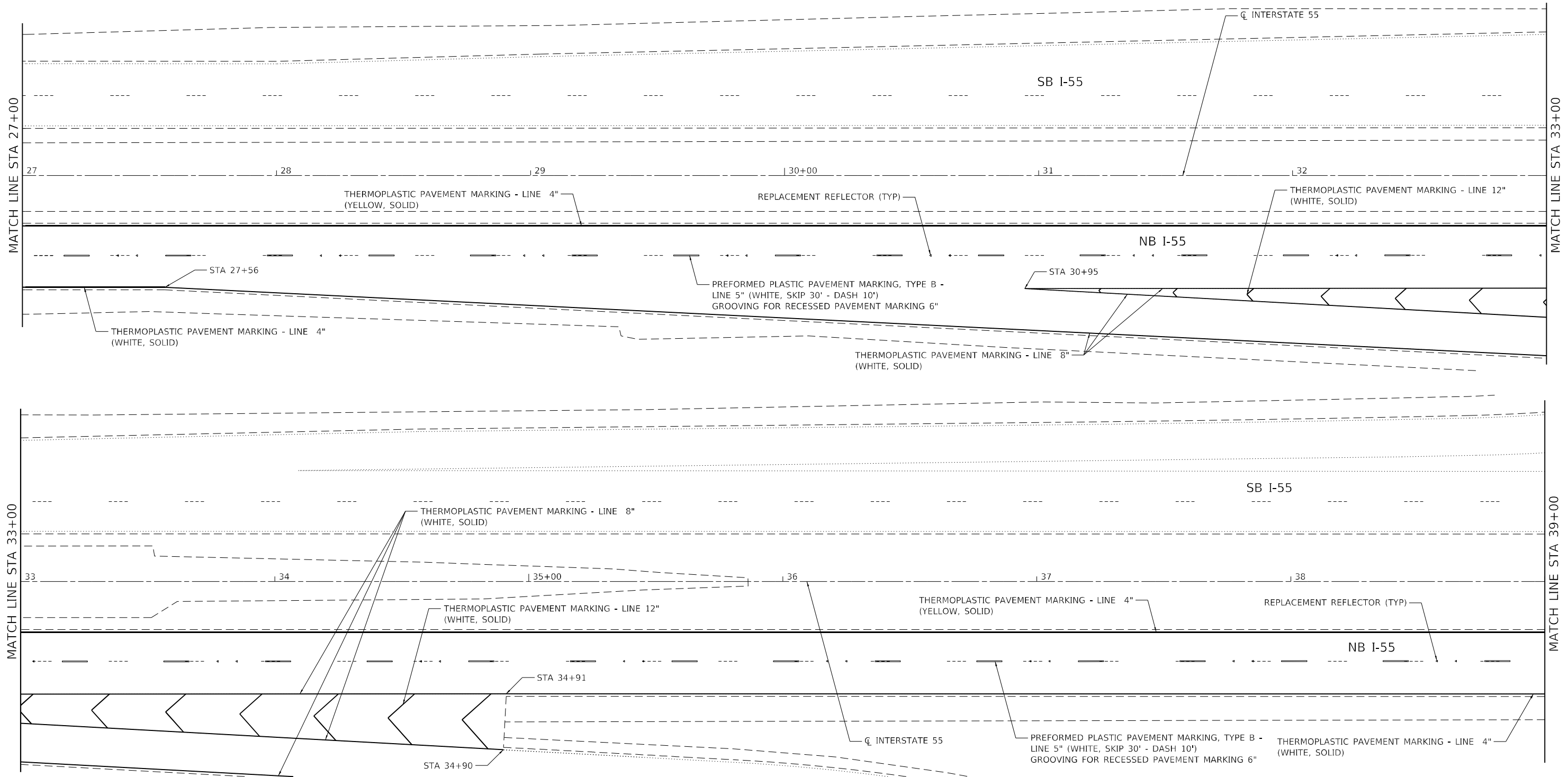
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 FAI 55 (INTERSTATE 55)**

SCALE: 1"=20' SHEET 1 OF 8 SHEETS STA. 39+00 TO STA. 51+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	49
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



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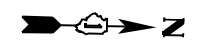
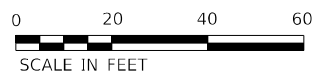
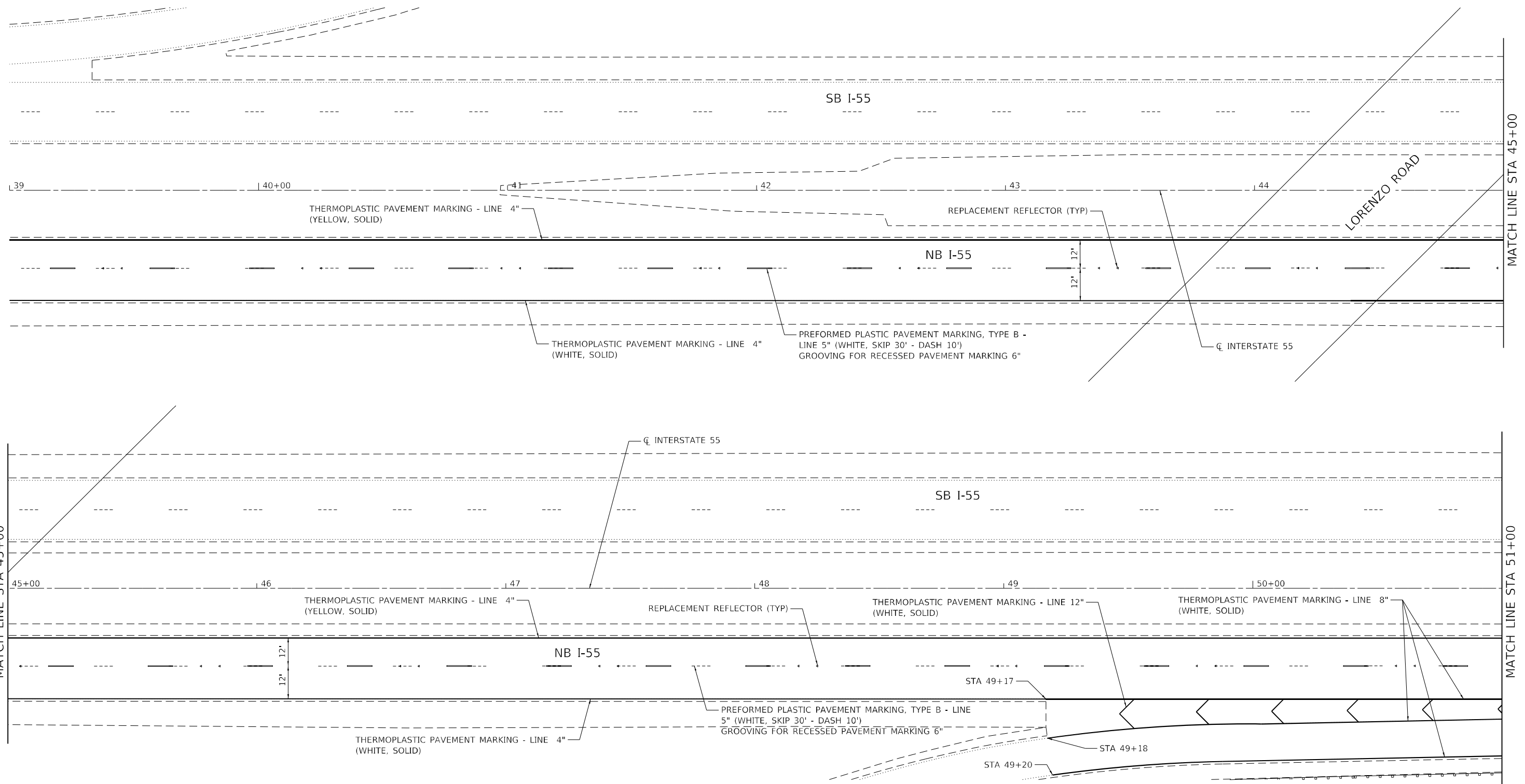
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
FAI 55 (INTERSTATE 55)**

SCALE: 1"=20' SHEET 2 OF 8 SHEETS STA. 39+00 TO STA. 51+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 FAI 55 (INTERSTATE 55)**

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	51
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

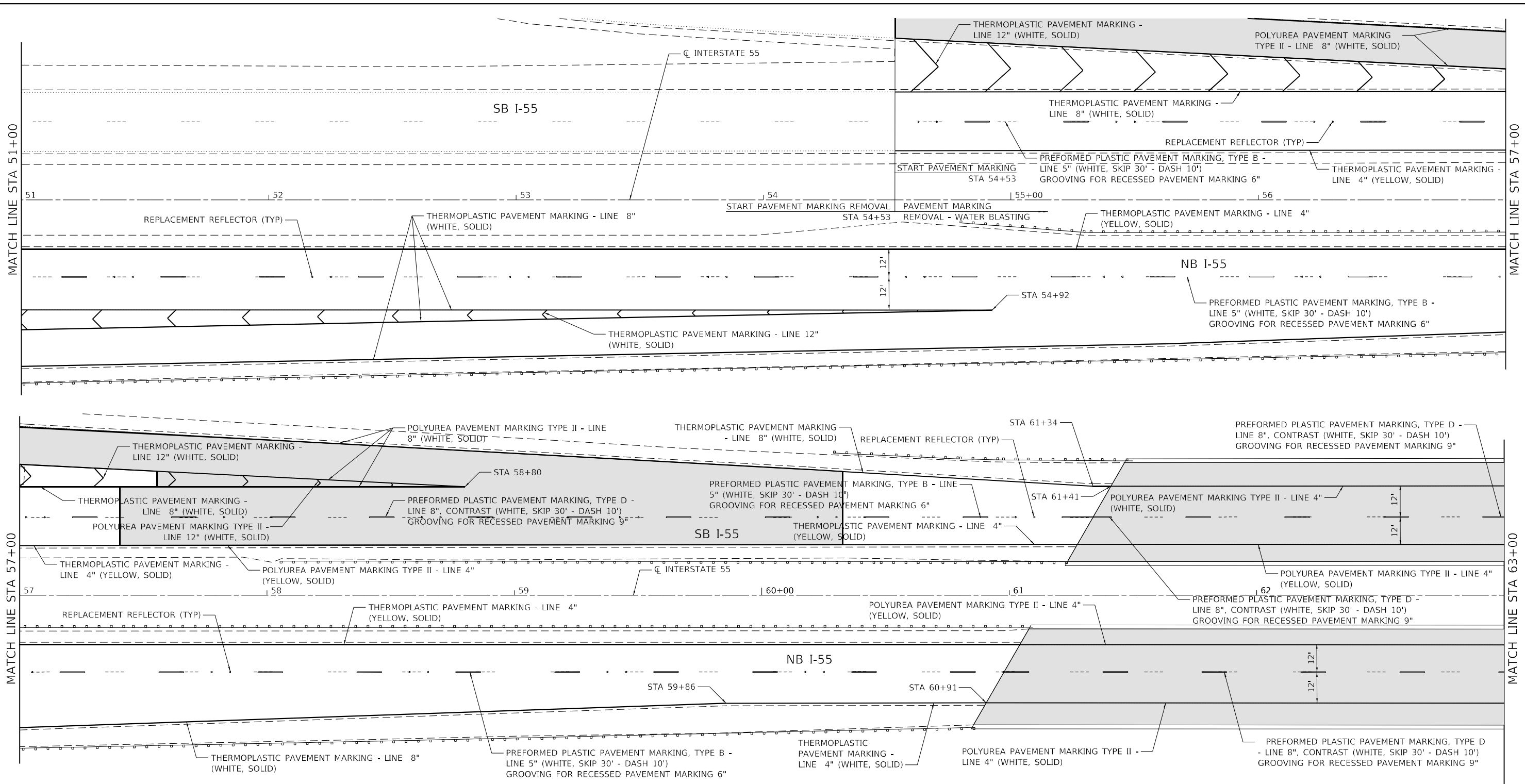
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MATCH LINE STA 51+00

MATCH LINE STA 57+00

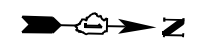
MATCH LINE STA 57+00

MATCH LINE STA 63+00



LEGEND

CONCRETE PAVEMENT OR BRIDGE DECK



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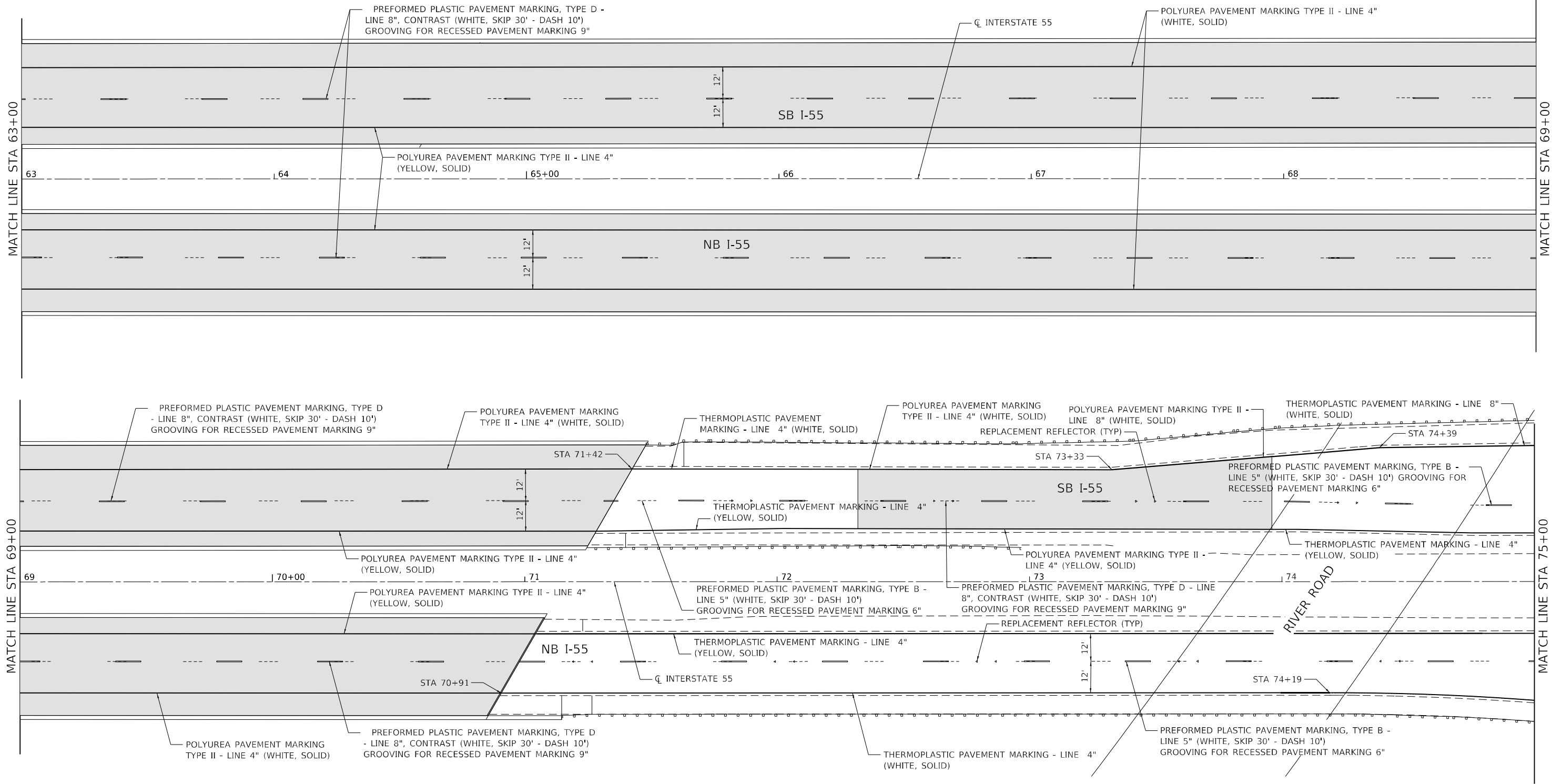
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
FAI 55 (INTERSTATE 55)**

SCALE: 1"=20' SHEET 4 OF 8 SHEETS STA. 51+00 TO STA. 63+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	52
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



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CONCRETE PAVEMENT OR BRIDGE DECK



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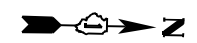
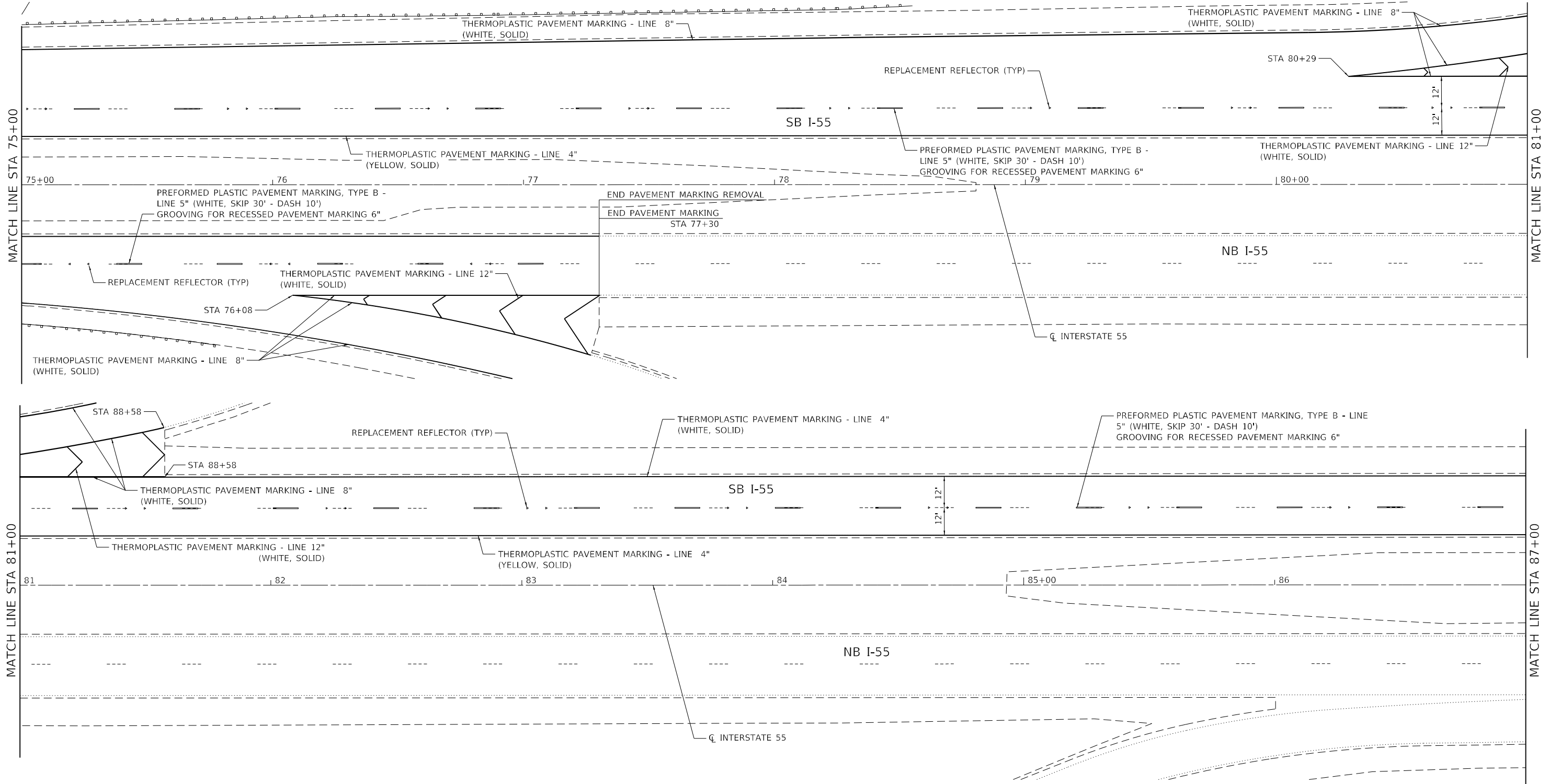
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
FAI 55 (INTERSTATE 55)**

SCALE: 1"=20' SHEET 5 OF 8 SHEETS STA. 63+00 TO STA. 75+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



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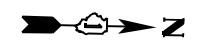
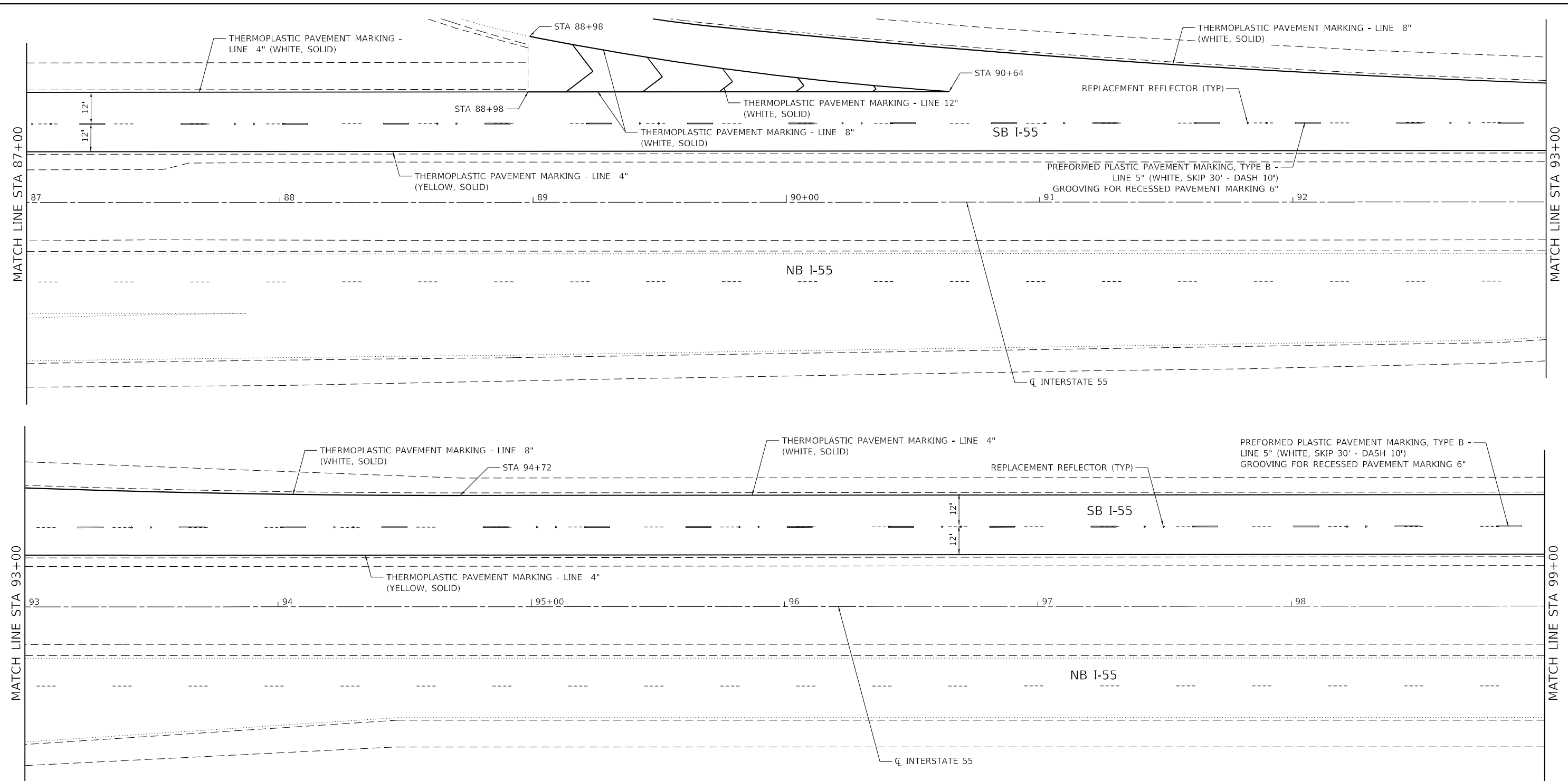
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
FAI 55 (INTERSTATE 55)

SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. 75+00 TO STA. 87+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 FAI 55 (INTERSTATE 55)**

SCALE: 1"=20' SHEET 7 OF 8 SHEETS STA. 87+00 TO STA. 99+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	55
CONTRACT NO. 62N08			ILLINOIS FED. AID PROJECT	

Benchmark: Chiseled "X" on top of west parapet, south end of SN 099-0002, Elev. 533.22

Existing Structures: S.N. 099-0001 N.B. and 099-0002 S.B. are 12 Span PPC I-Beam Superstructures consisting of three (4 span) continuous units on solid concrete piers and closed concrete abutments. The NB abutments and piers were built in 1935, and new caps and superstructure were added in 1977 with rehabilitations in 1996 and 2011. The SB abutments and piers were built in 1955, and new caps and superstructure were added in 1989 with rehabilitations in 2011. One lane of traffic in each direction is to be maintained utilizing stage construction.

No salvage.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges, 17th Edition

DESIGN STRESSES

FIELD UNITS

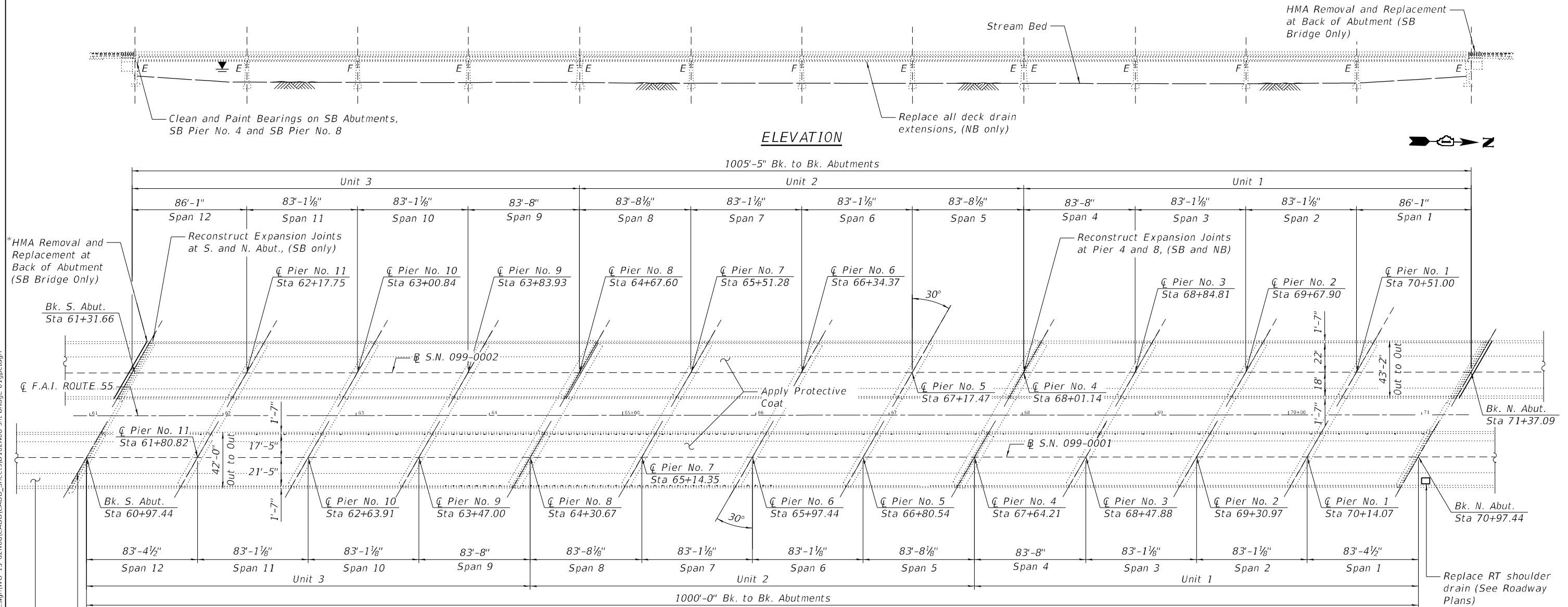
$f'_c = 4,000$ psi (Superstructure Concrete)
 $f_y = 60,000$ psi (Reinforcement)

RECONSTRUCTION (1977, 1996, 1989, 2011)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (Structural Steel AASHTO M270 Gr. 36)

ORIGINAL CONSTRUCTION (1935 and 1955)

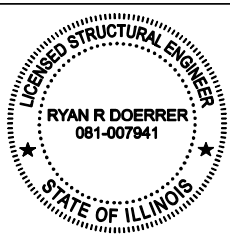
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 $f_y = 36,000$ psi (Structural Steel)



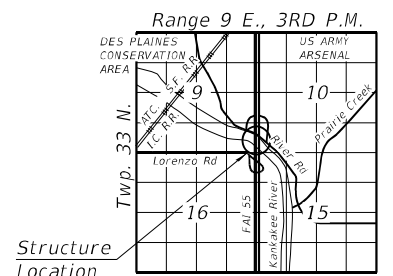
*HMA Removal and Replacement at Back of Abutment (SB Bridge Only)

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PLAN



 RYAN R. DOERRER
 2/19/2021 DATE 11/30/2022 EXPIRES



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
I-55 OVER KANKAKEE RIVER
F.A.I. RTE. 55 SECTION 2020-239-BR
WILL COUNTY
STATION 66+16.02
STRUCTURE NO. 099-0001 (N.B.)
STRUCTURE NO. 099-0002 (S.B.)

*See Roadway Plans and Sheet S-08 of S-16 for dimensions.

NOTE:
Dimension and Clearances shown are from existing drawings.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 099-0001 AND 099-0002
 SHEET 5-01 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	57
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

All exposed concrete edges shall have a 3/4" x 45 degree chamfer except where shown otherwise.

Bearings on SB structure shall be cleaned and painted using deck mounted equipment, such as a snoopers. Entering the waterway will not be permitted.

The color of the final finish coat for all steel surfaces being painted shall be Gray, Munsell No. 5B 7/1.

Floor drains to be extended using deck mounted equipment, such as a snoopers. Entering the waterway will not be permitted.

HMA installation adjacent to Concrete Superstructure placed for the joint reconstruction must be installed after Concrete Superstructure placement.

Joint openings shall be adjusted according with Art. 520.04 of the Standard Specs. when the deck is poured at an ambient temperature other than 50° F.

Expansion joint shall be fabricated to conform to the existing cross slopes of the bridge.

Any hardware required to reinstall the traffic barrier terminal to the parapet shall be included in the cost of Remove and Reerect Traffic Barrier Terminals, Type 6. Hardware to be installed per manufacturer's recommendations.

It is the Contractor's responsibility to temporarily support the existing conduit mounted to the parapet and all other utilities interfering with proposed work, as required. Embedment in the parapet shall be reestablished as approved by the Engineer. Cost included in Concrete Superstructure.

The Contractor shall exercise caution during removal and construction operations to avoid damaging the existing conduit and all other utilities. Any damage to the conduit or other utilities caused by the Contractor in the performance of their work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

There is embedded conduit in the parapets. The joint rail may be adjusted, as approved by the Engineer, to avoid conflict.

SCOPE OF WORK – NORTHBOUND (S.N. 099-0001)

1. Clean out and replace strip seal glands at abutment joints.
2. Reconstruct bridge deck expansion joints at Piers 4 and 8.
3. Remove and Reconstruct Parapet at joint replacement locations.
4. Replace all deck drain extensions.
5. Apply Protective Coat to the top and inside faces of parapets, reconstructed transverse expansion joints, and surface of the deck.

SCOPE OF WORK – SOUTHBOUND (S.N. 099-0002)

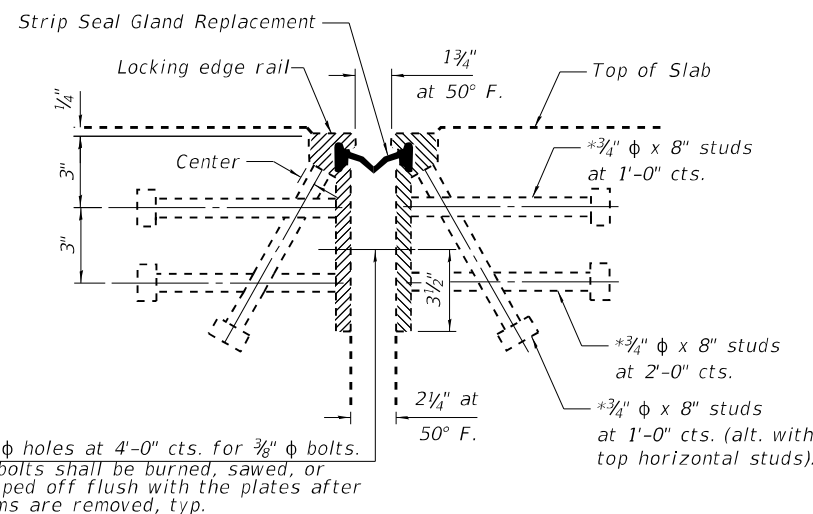
1. Reconstruct bridge deck expansion joints at North Abutment, South Abutment, Pier 4 and Pier 8.
2. Install HMA patches on approach slab adjacent to abutment joint replacement.
3. Remove and Reconstruct Parapet at joint replacement locations.
4. Clean and Paint Bearings at North Abutment, South Abutment, Pier 4 and Pier 8.
5. Apply Protective Coat to the top and inside faces of parapets, reconstructed transverse expansion joints, and surface of the deck.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	CU YD	18.7	0.0	18.7
Concrete Superstructure	CU YD	18.7	0.0	18.7
Protective Coat	SQ YD	10,795	0	10,795
Reinforcement Bars, Epoxy Coated	POUND	5,160	0	5,160
Bar Splicers	EACH	48	0	48
Preformed Joint Strip Seal	FOOT	297	0	297
Cleaning and Painting Bearings	EACH	0	48	48
Strip Seal Gland Replacement	FOOT	97	0	97
Floor Drain Extensions	EACH	121	0	121

INDEX OF SHEETS

- S-01 General Plan and Elevation
- S-02 General Data
- S-03 Stage Construction Details (1 of 2)
- S-04 Stage Construction Details (2 of 2)
- S-05 Temporary Concrete Barrier for Stage Construction
- S-06 Deck Repair Plan (1 of 2)
- S-07 Deck Repair Plan (2 of 2)
- S-08 SB Abutments Joint Removal and Reconstruction Details
- S-09 NB and SB Pier 4 and 8 Joint Removal and Reconstruction Details
- S-10 Typical Joint Removal and Reconstruction Details
- S-11 Preformed Joint Strip Seal
- S-12 Existing Bearing Detail
- S-13 Bar Splicer Assembly and Mechanical Splicer Details
- S-14 Existing General Plan and Elevation S.N. 099-0001
- S-15 Existing General Plan and Elevation S.N. 099-0002



SECTION THRU EXISTING ROLLED RAIL JOINT

STRIP SEAL GLAND REPLACEMENT DETAIL

Existing Section is from Contract 62930

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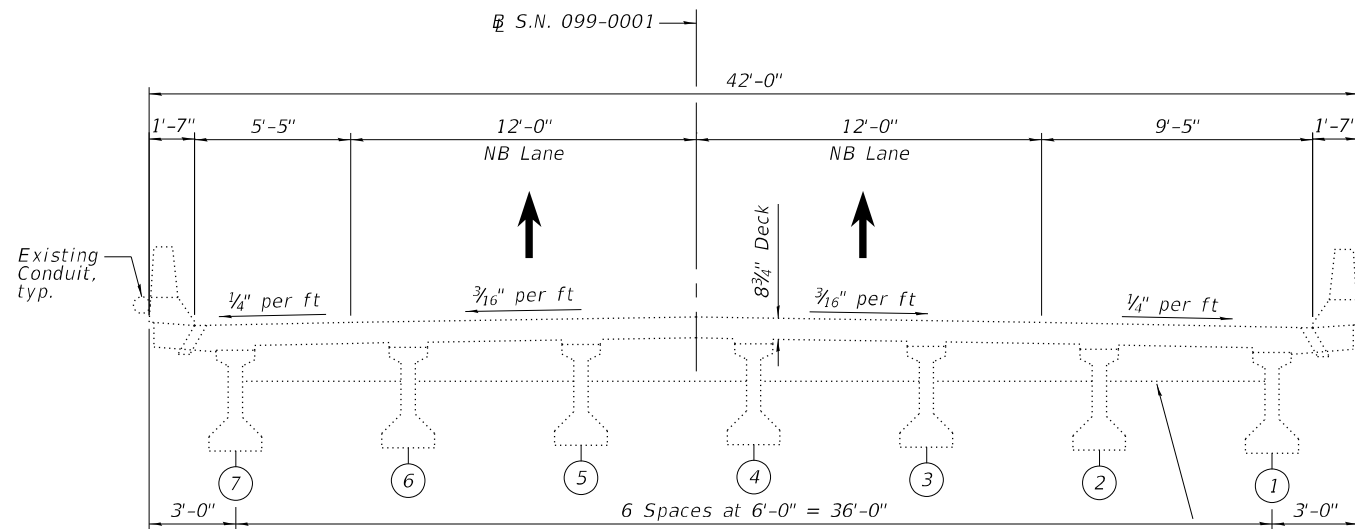
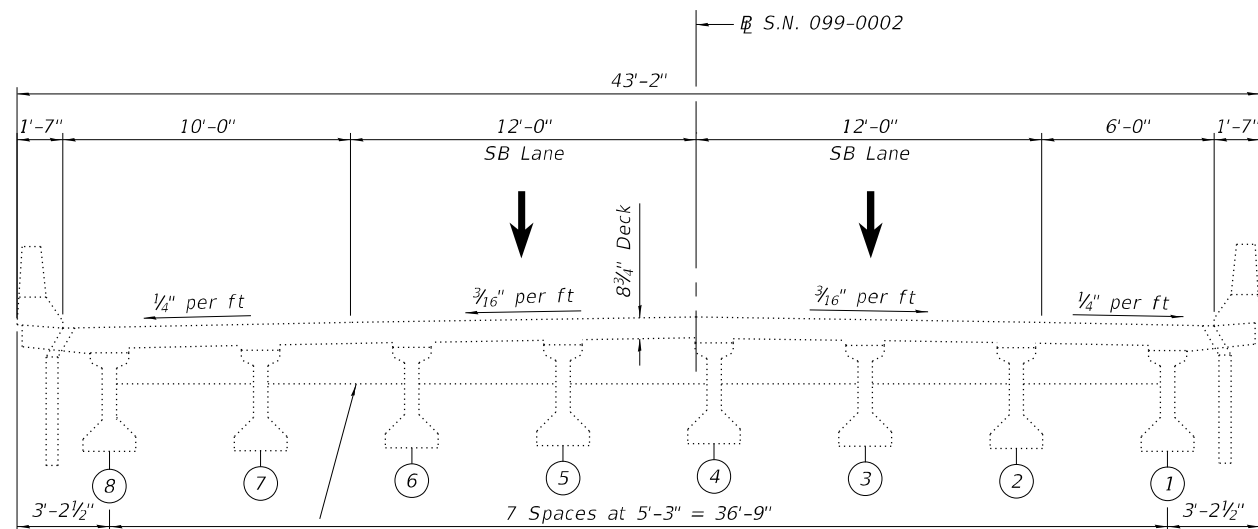
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 099-0001 AND 099-0002**

SHEET 5-02 OF 5-15 SHEETS

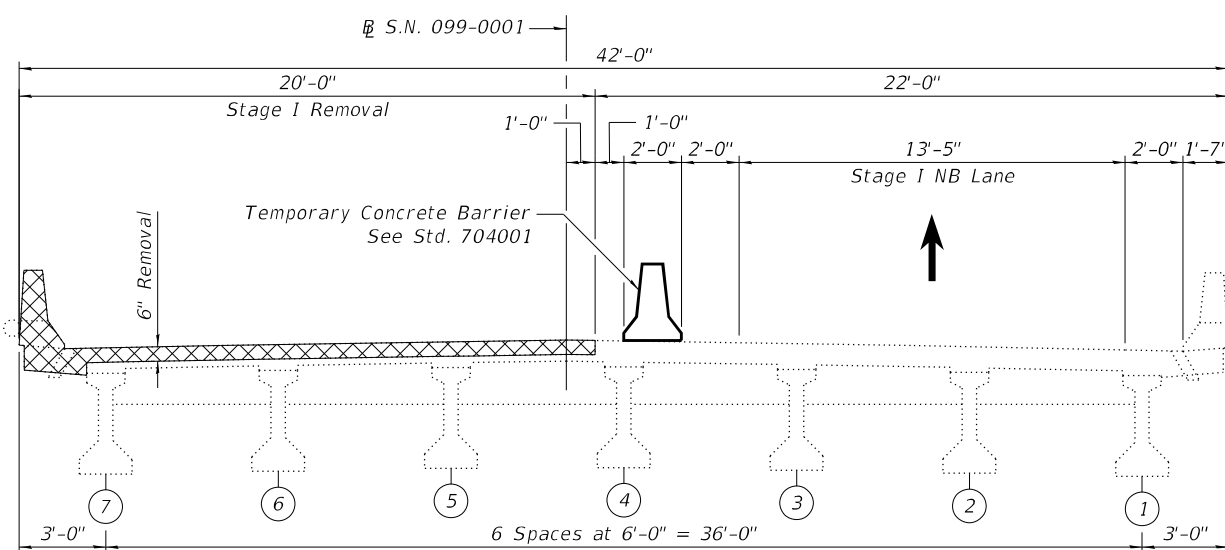
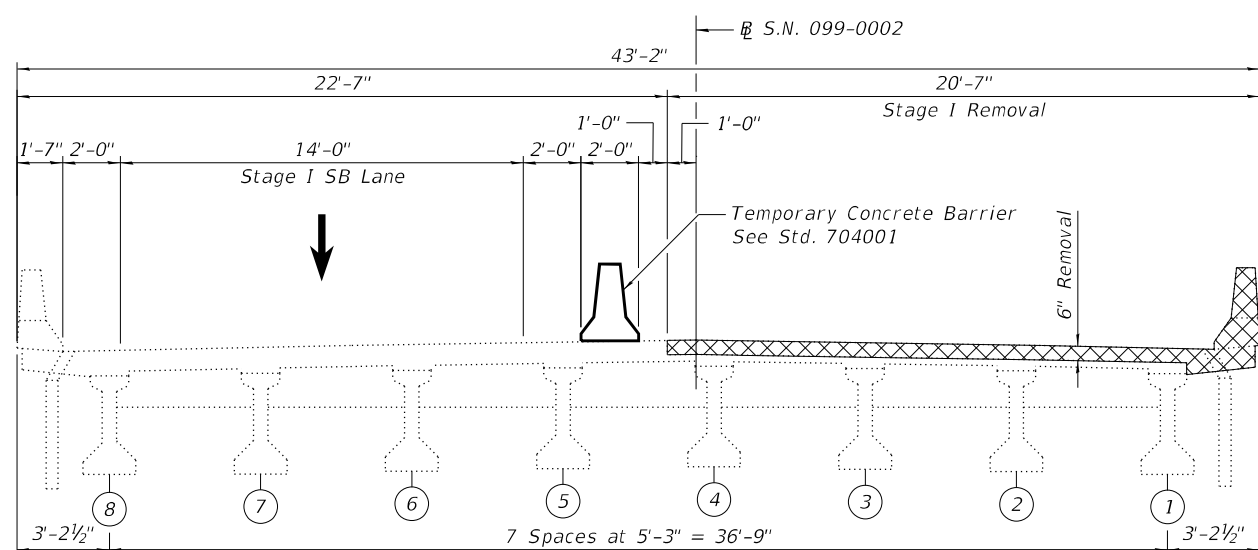
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55	2020-239-BR	WILL	78	58
			CONTRACT NO. 62N08	
ILLINOIS			FED. AID PROJECT	



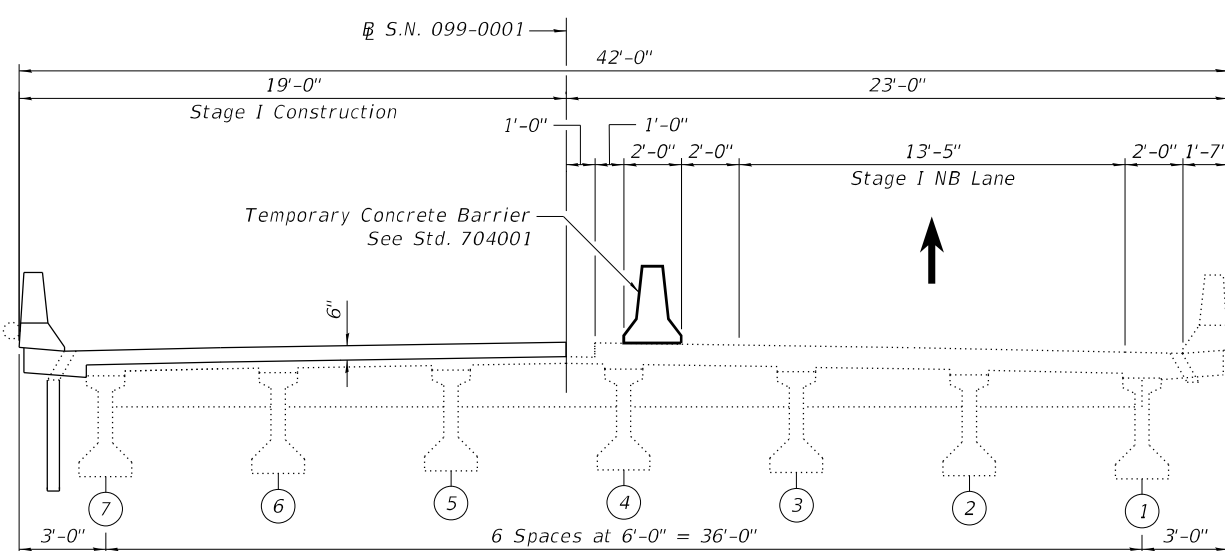
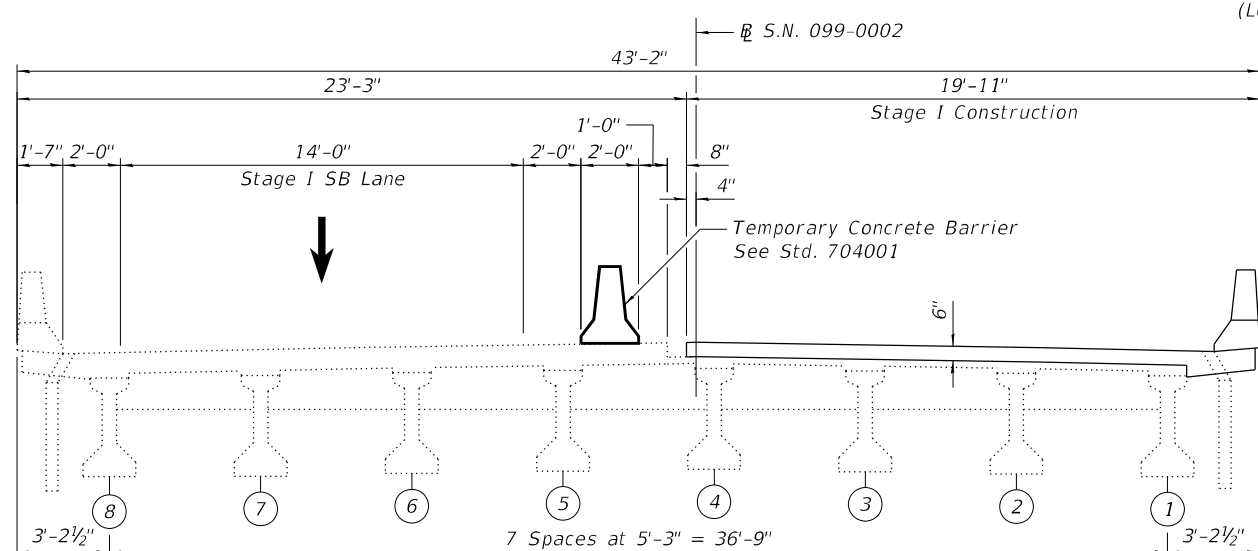
Bottom of Existing Edge Beam, typ.

EXISTING CROSS SECTION
(Looking North)

Bottom of Edge Beam, typ.



STAGE I REMOVAL
(Looking North)



STAGE I CONSTRUCTION
(Looking North)

NOTE:
Cross Sections shown at expansion joint replacement locations.

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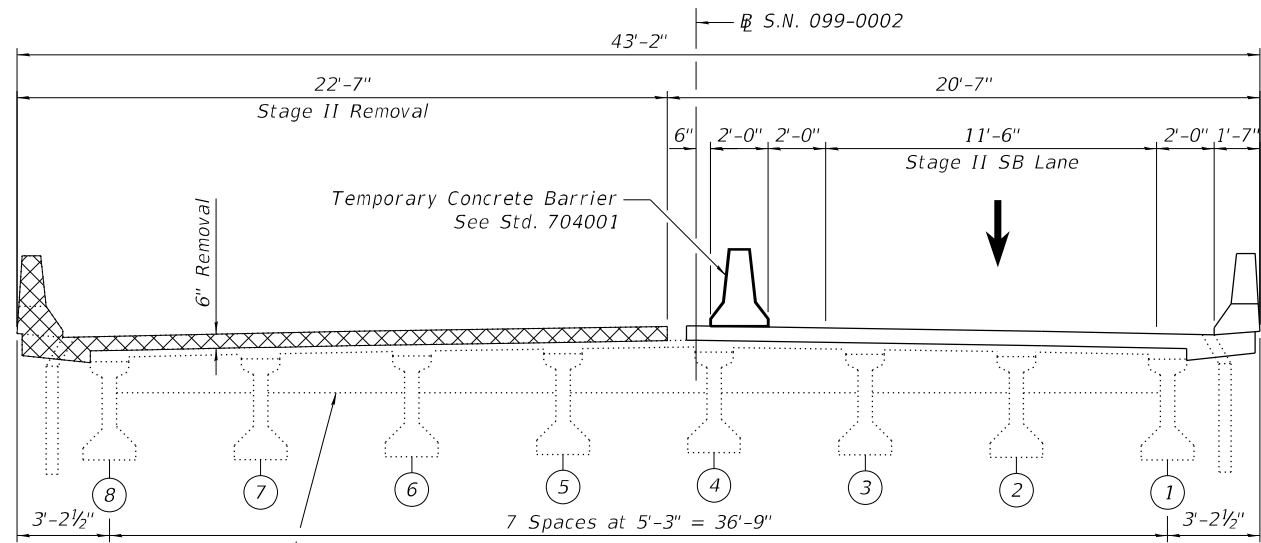
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS (1 OF 2)
STRUCTURE NO. 099-0001 AND 099-0002

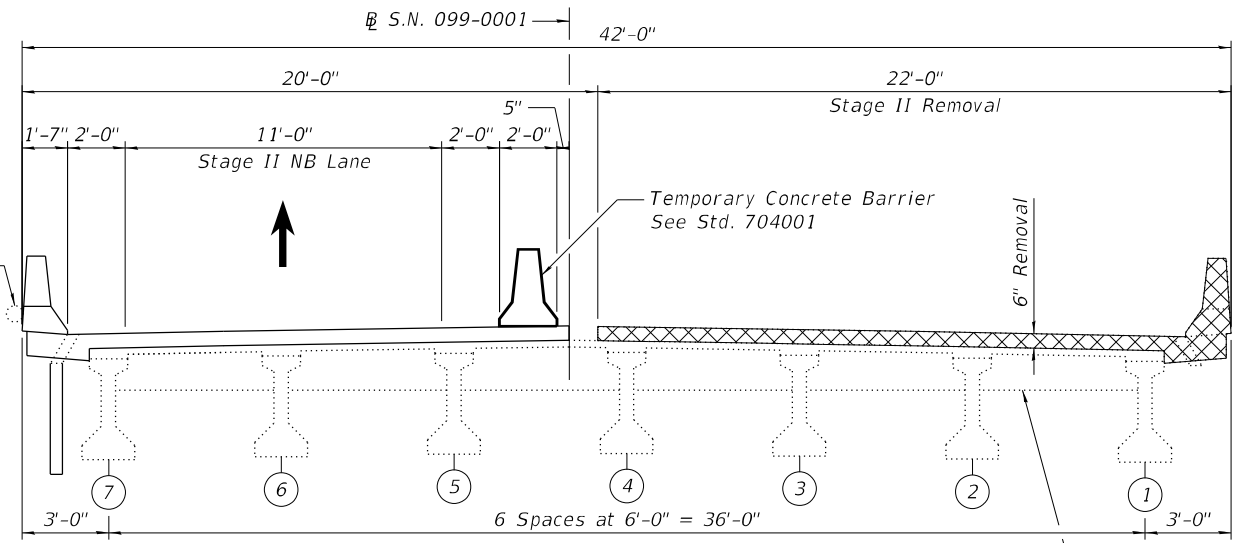
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CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



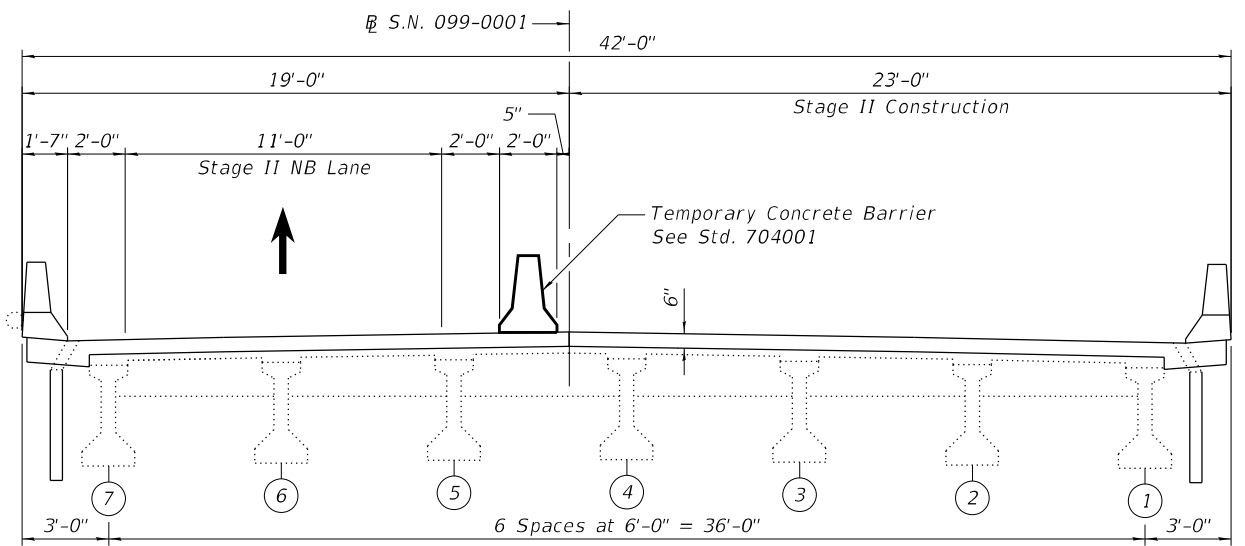
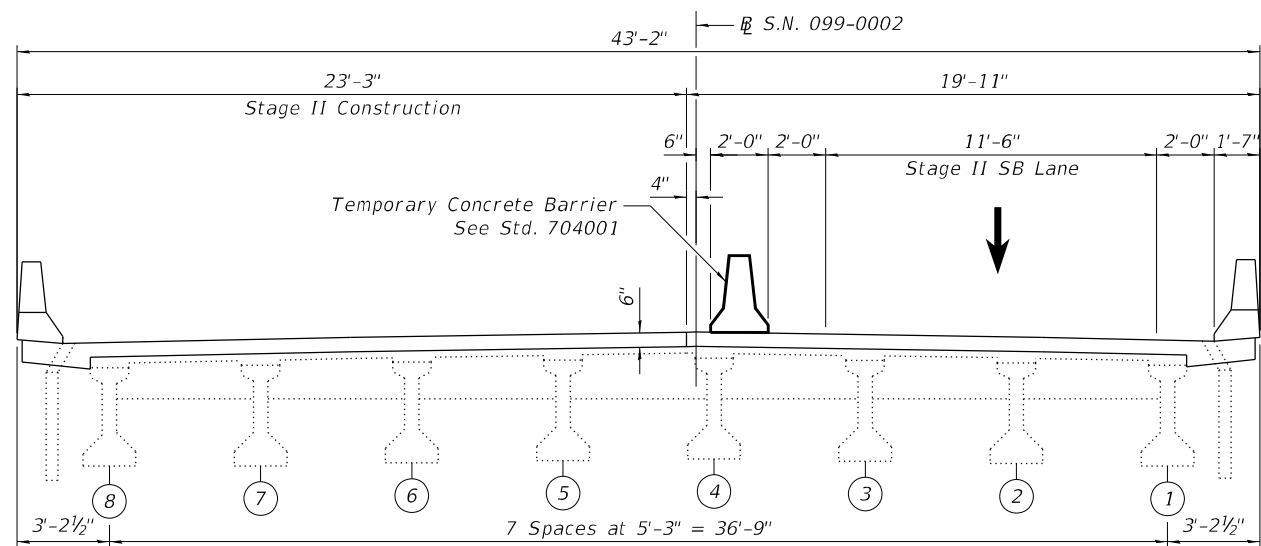
Bottom of Existing Edge Beam, typ.

Existing Conduit, typ.

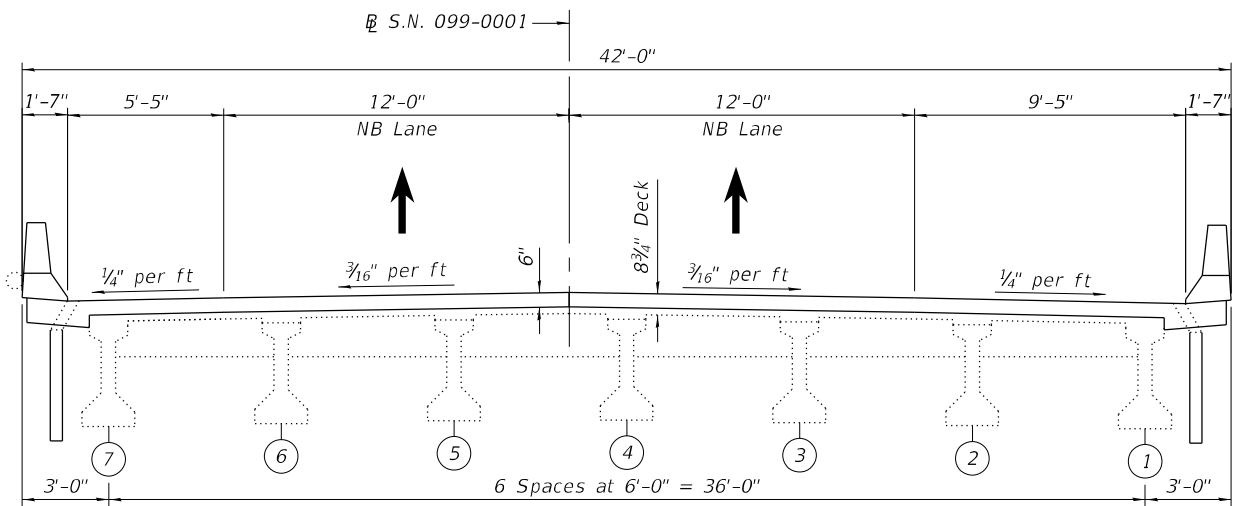
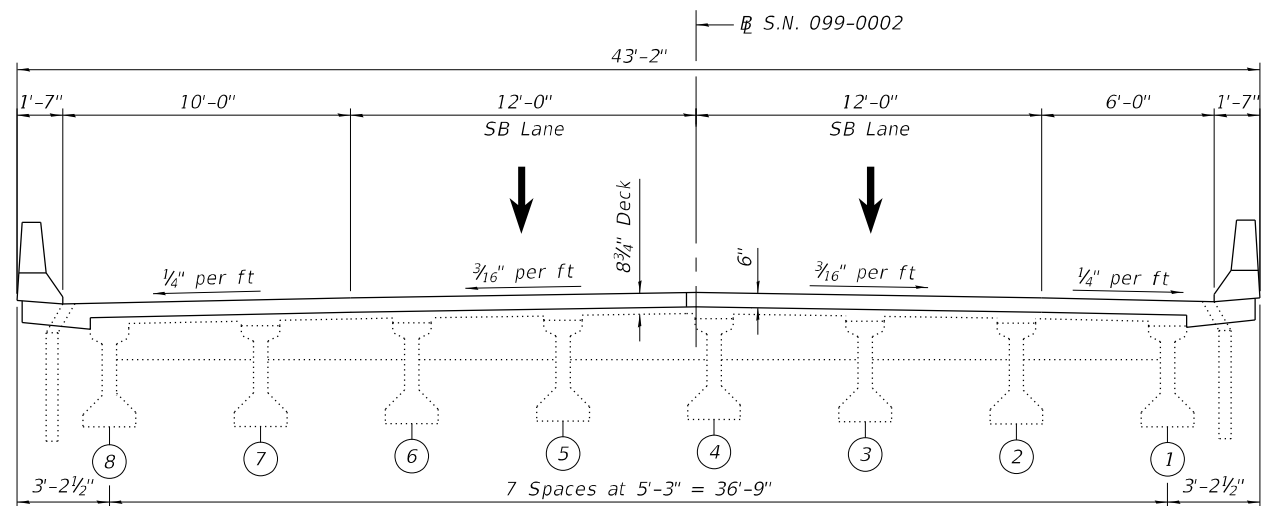


Bottom of Edge Beam, typ.

STAGE II REMOVAL
(Looking North)



STAGE II CONSTRUCTION
(Looking North)



FINAL DESK CROSS SECTION
(Looking North)

NOTE:
Cross Sections shown at expansion joint replacement locations.

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DATE - 12/11/2020

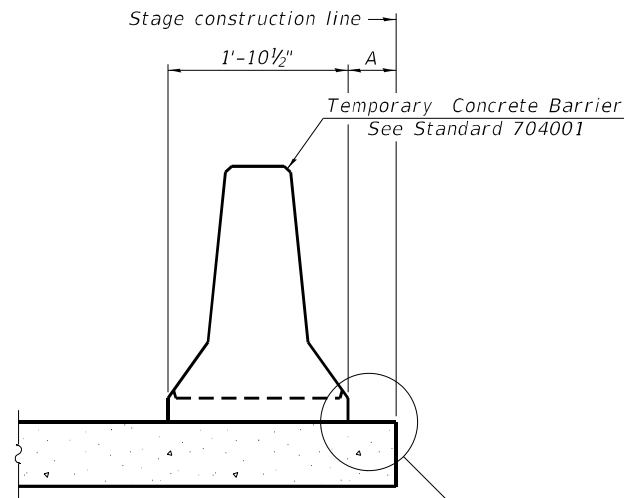
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REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS (2 OF 2)
STRUCTURE NO. 099-0001 AND 099-0002

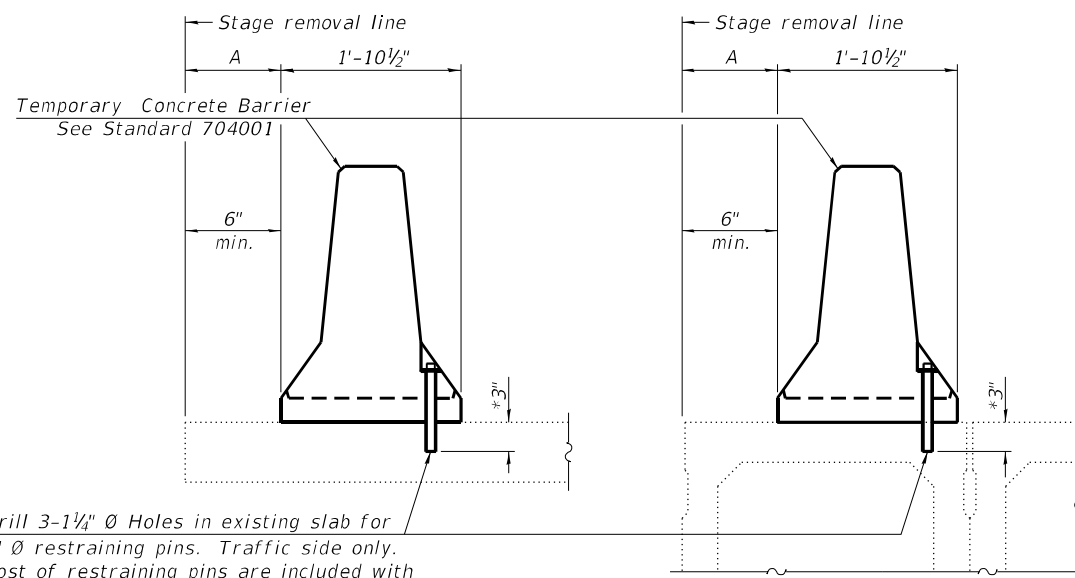
SHEET 5-04 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	60
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

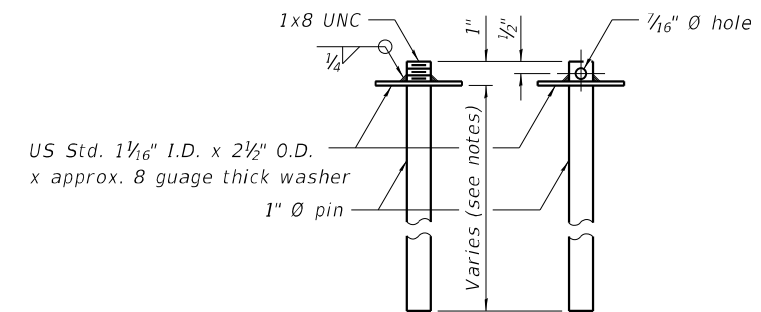


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

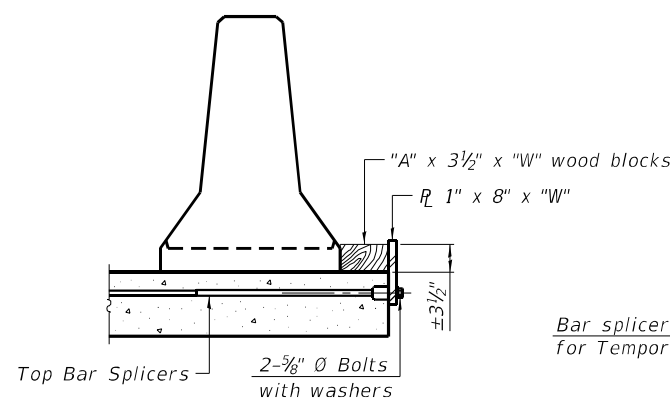
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

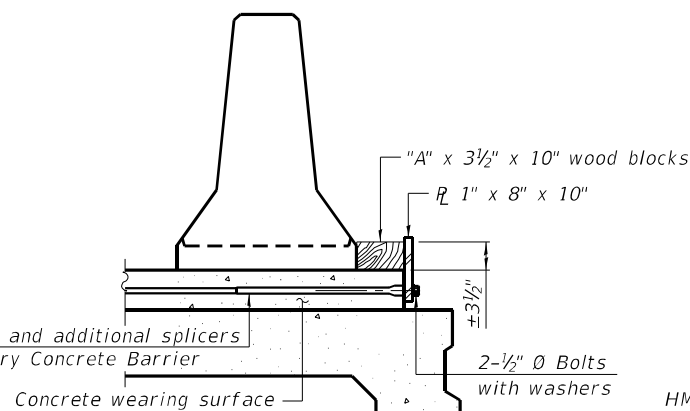


RESTRAINING PIN

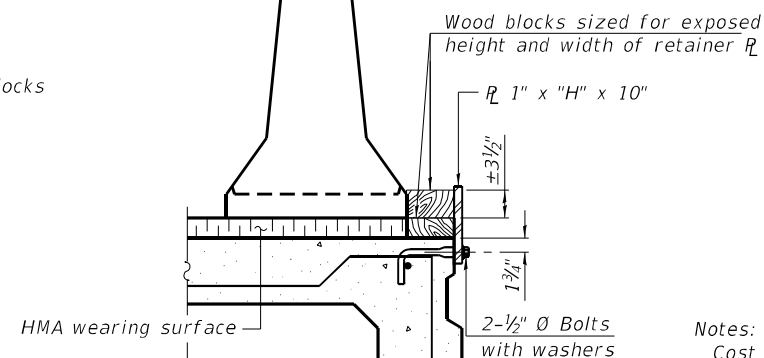
SECTIONS THRU SLAB OR DECK BEAM



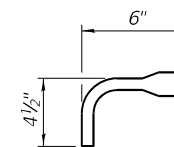
DETAIL I



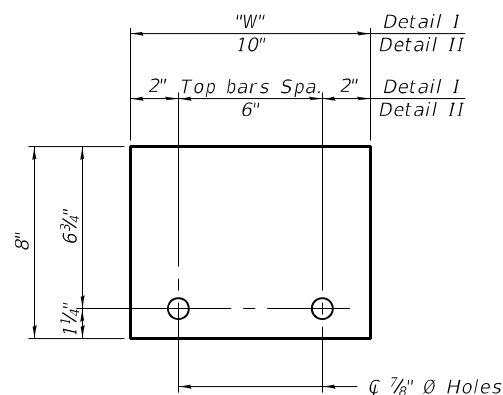
DETAIL II



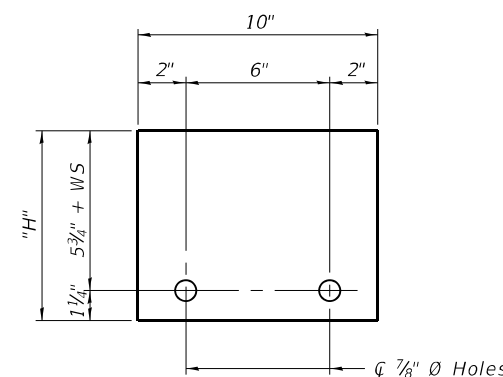
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"
(Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \bar{C} of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
 For deck beam applications the minimum required 'A' distance is 6' to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

R-27 2-17-2017



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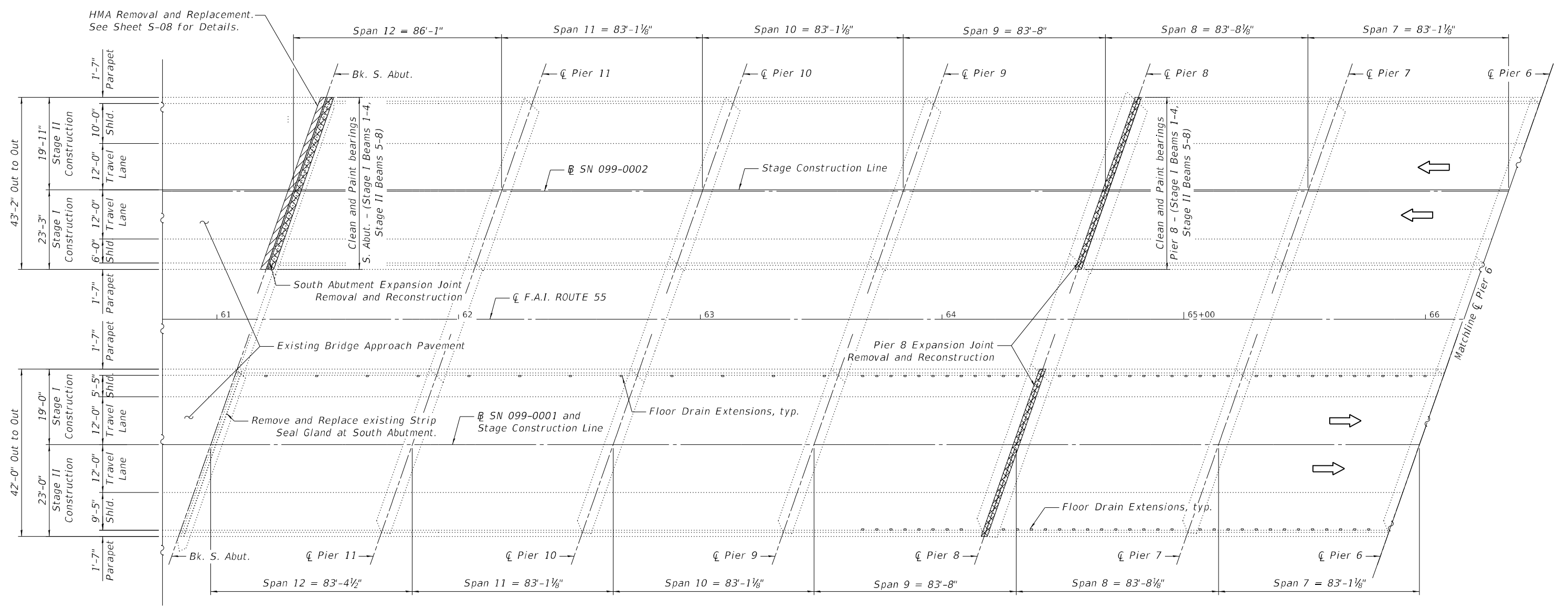
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-05 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	61
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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DECK PLAN

NOTES:

1. For Abutment Gland Replacement, see Sheet S-02.
2. For Abutment and Pier Expansion Joint Removal and Reconstruction, see Sheets S-08 thru S-10.
3. Protective Coat shall be applied to top and inside face of parapets, reconstructed transverse joint areas and the surface of the deck.
4. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approval bar splicer or anchorage system. Cost included with Concrete Removal.
5. The Contractor shall exercise extreme caution during Concrete Removal to avoid damaging the concrete beams and Edge Beams to remain. Any damage to the existing concrete beams and/or Edge Beams to remain caused by the Contractor in the performance of their work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.

6. If the existing name plate falls within the limits of Concrete Removal, it shall be removed and reinstalled in its original locations in accordance with IDOT Standard 515001. Cost included with Concrete Superstructure
7. See Sheet S-07 for Floor Drain Extension Detail.
8. The Contractor must exercise extreme care with the existing conduits, junction boxes, or other utilities in the sections of the parapets to be removed and to protect and support the conduit, junction boxes, or other utilities during construction. The Contractor will be required to repair any damage done to the conduit, junction boxes, or other utilities to the satisfaction of the Engineer. No splicing will be allowed to any cable damaged resulting from this work. The Contractor will be required to repair the entire span of any damaged cable at no additional cost to the Department.

LEGEND:

 Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Coat	Sq Yd	10,795
Cleaning and Painting Steel Bearings	Each	48
Floor Drain Extensions	Each	121

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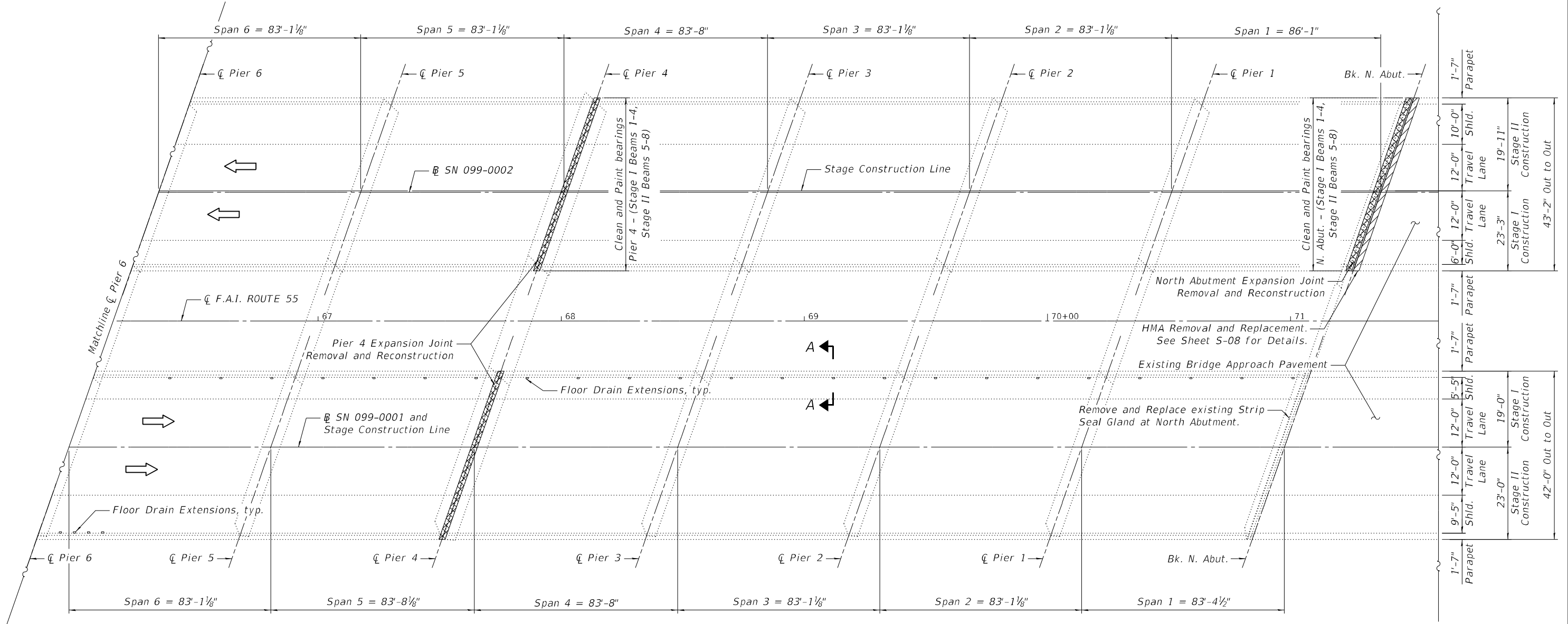
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR PLAN (1 of 2)
STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-06 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

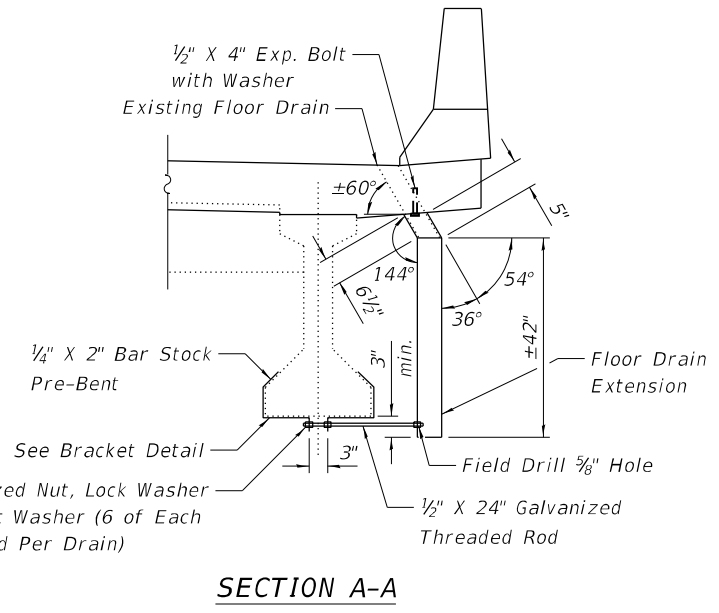


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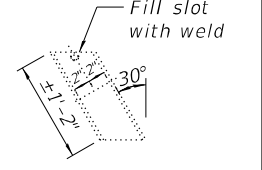
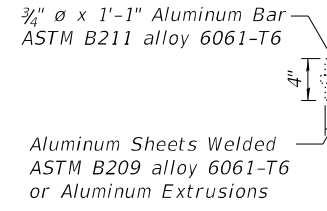
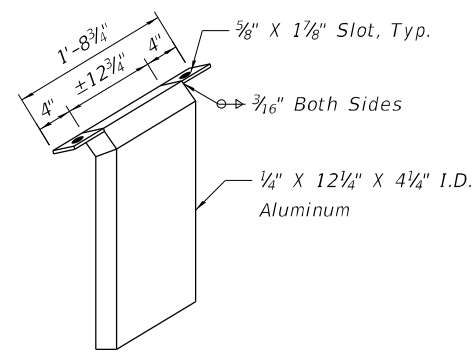
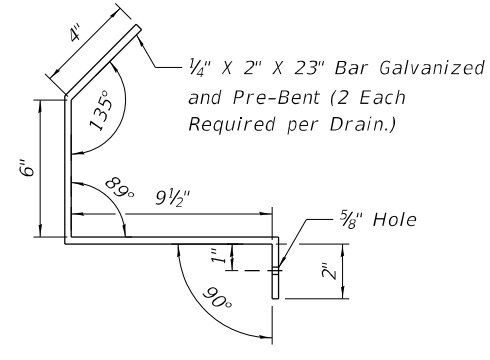
1. See Sheet S-06 for Bill of Material and Notes.
2. Existing Floor Drains within 5' of Piers or Abutments shall be plugged as directed by the Engineer. Expansion Bolts, Washers, Nuts, Threaded Rods, Brackets and Plugging Drains within 5' of Piers and Abutments shall be included in the cost of Floor Drain Extension.
3. Contractor to field verify dimensions of Galvanized Threaded Rods, Drain Extensions and Brackets prior to ordering material.

LEGEND:

Concrete Removal



DECK PLAN



EXISTING FLOOR DRAIN
For Information Only

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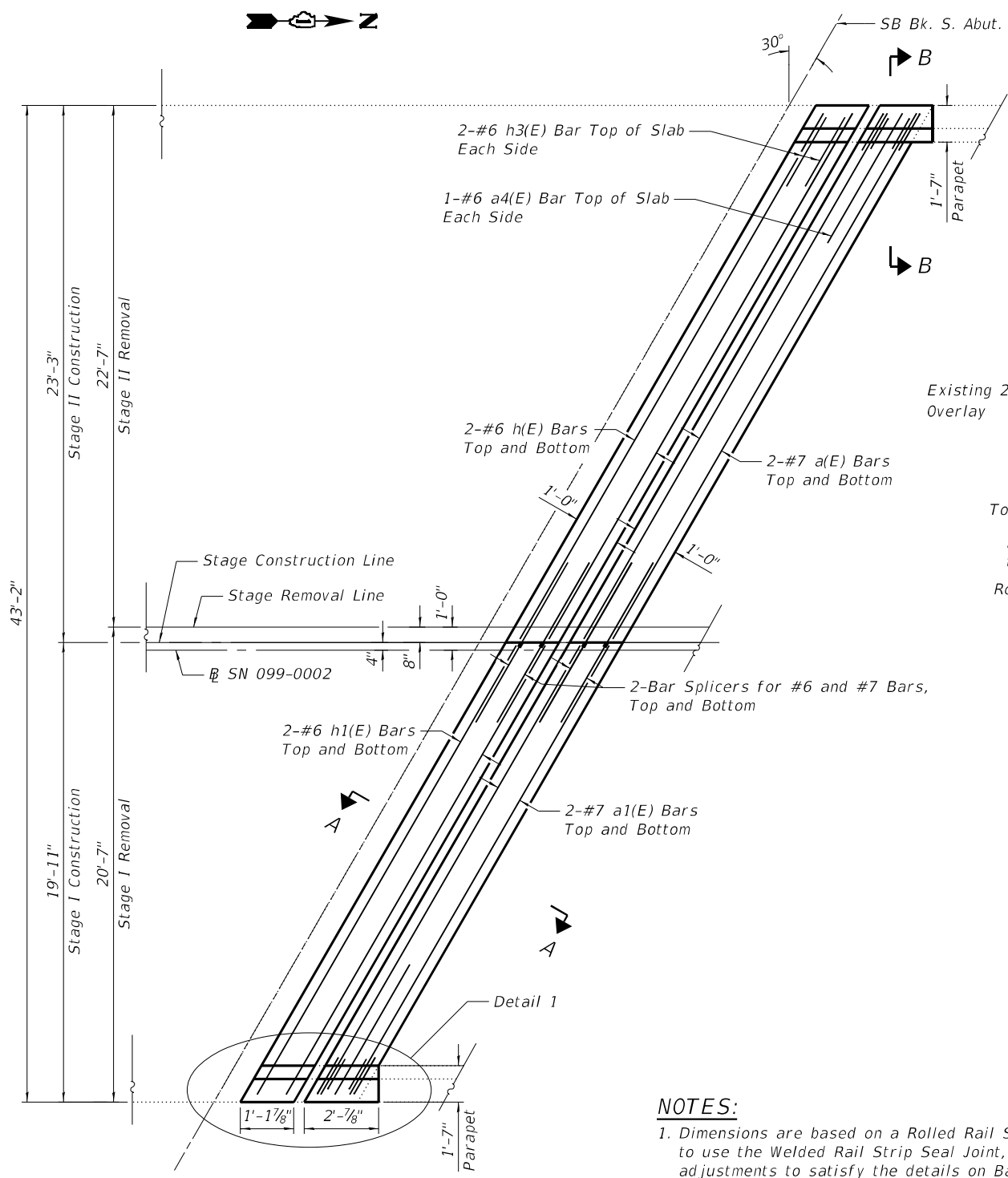
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR PLAN (2 of 2)
STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-07 OF 5-15 SHEETS

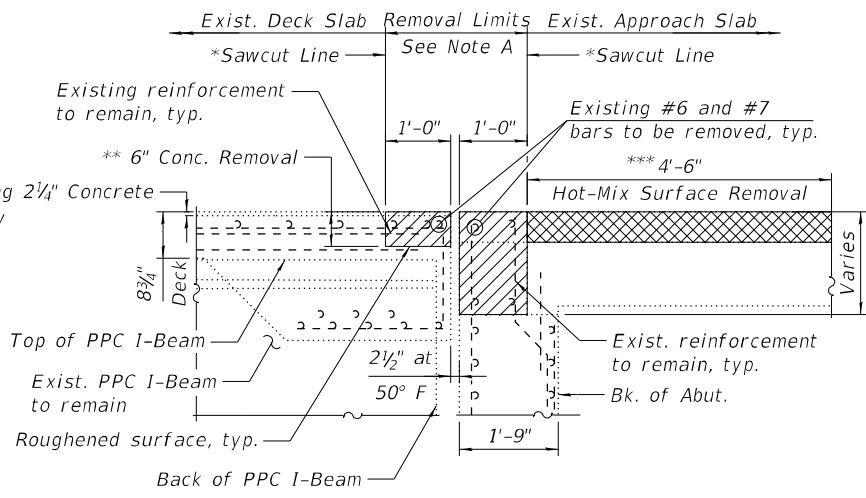
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55	2020-239-BR	WILL	78	63
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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PLAN
 S.N. 099-0002 SB I-55

- LEGEND:**
- Concrete Removal
 - ***Hot-Mix Asphalt Surface Removal, 5 1/4"
 - Existing Reinforcement
 - Reinforcement Bars, Epoxy Coated



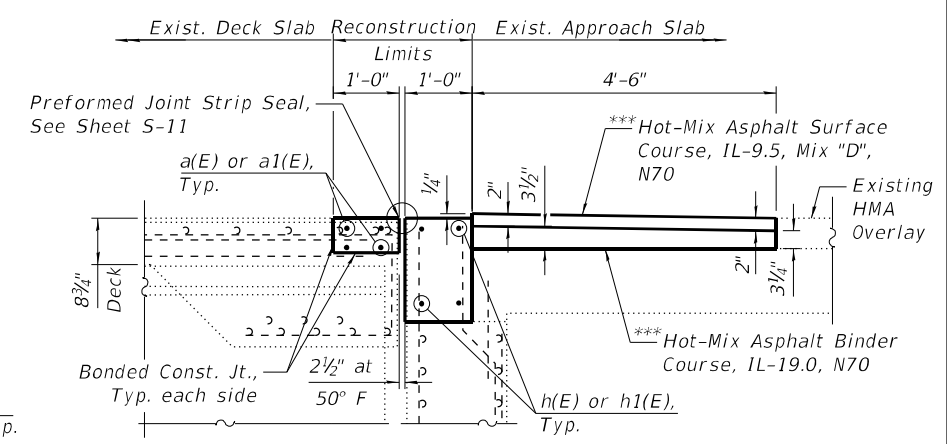
SECTION A-A
CONCRETE REMOVAL

Note A:
 Remove existing concrete, joint assembly, plates, longitudinal bars and anchor bolts, including any concrete patches that were used to replace damaged sections of the existing expansion joint. Cost included in Concrete Removal.

- * Sawcut included in cost of Concrete Removal
- ** 6" Concrete Removal between existing PPC I-Beams & to top of existing beam to remain. Existing PPC I-Beams are to remain intact and not damaged.
- *** See Roadway Sheets for Quantities.

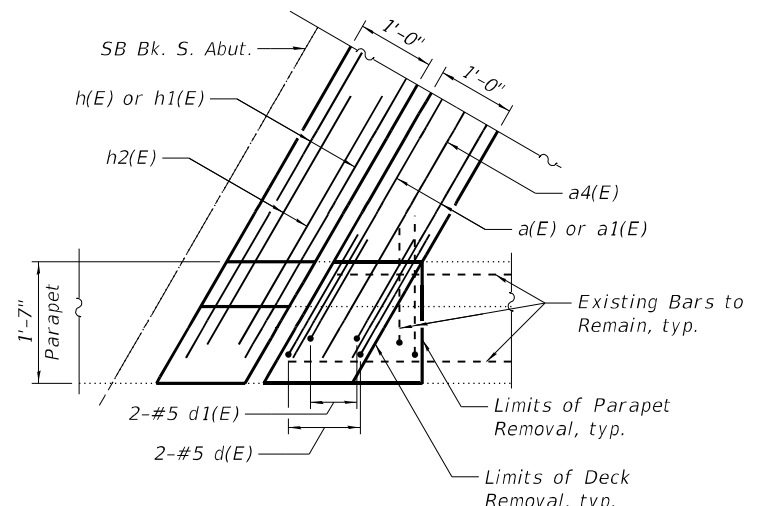
NOTES:

1. Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet EJ-SS.
2. The existing PPC Beams shall not be damaged.
3. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system and any damage to existing epoxy coating shall be repaired as directed by the Engineer. Cost included in Concrete Removal.
4. See Sheet S-10 for Bar Bends and Section B-B.
5. For Preformed Joint Strip Seal details see Sheet S-11.
6. For Bar Splicer Assembly details, see Sheet S-13.
7. South Abutment is shown. North Abutment is similar.

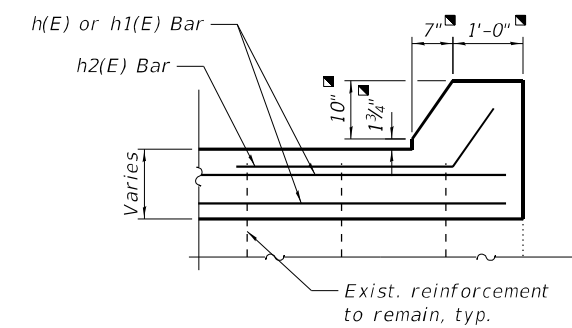


SECTION A-A
CONCRETE REPLACEMENT

Section thru travel lanes shown.
 See Roadway Plans for shoulder improvements.



DETAIL 1



SECTION THRU END OF HATCH BLOCK

BILL OF MATERIAL
BOTH SB ABUTMENTS

Bar	No.	Size	Length	Shape
a(E)	8	#7	26'-3"	—
a1(E)	8	#7	22'-5"	—
a4(E)	4	#6	6'-6"	—
d(E)	8	#5	5'-0"	┌
d1(E)	8	#5	3'-11"	└
h(E)	8	#6	26'-3"	—
h1(E)	8	#6	22'-5"	—
h2(E)	8	#6	5'-0"	—
Concrete Removal			Cu. Yd.	7.9
Concrete Superstructure			Cu. Yd.	7.9
Reinforcement Bars, Epoxy Coated			Pound	1,560



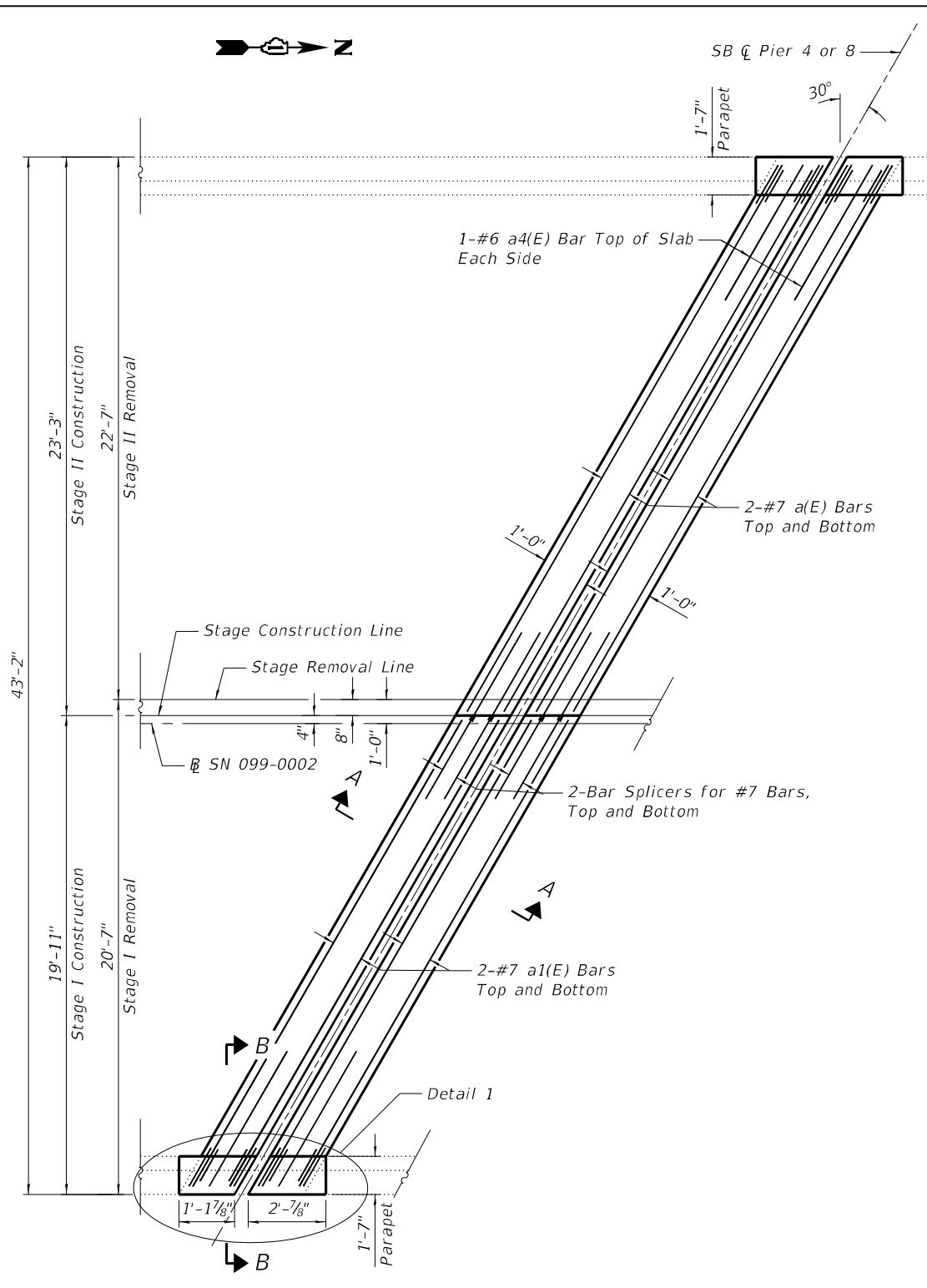
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

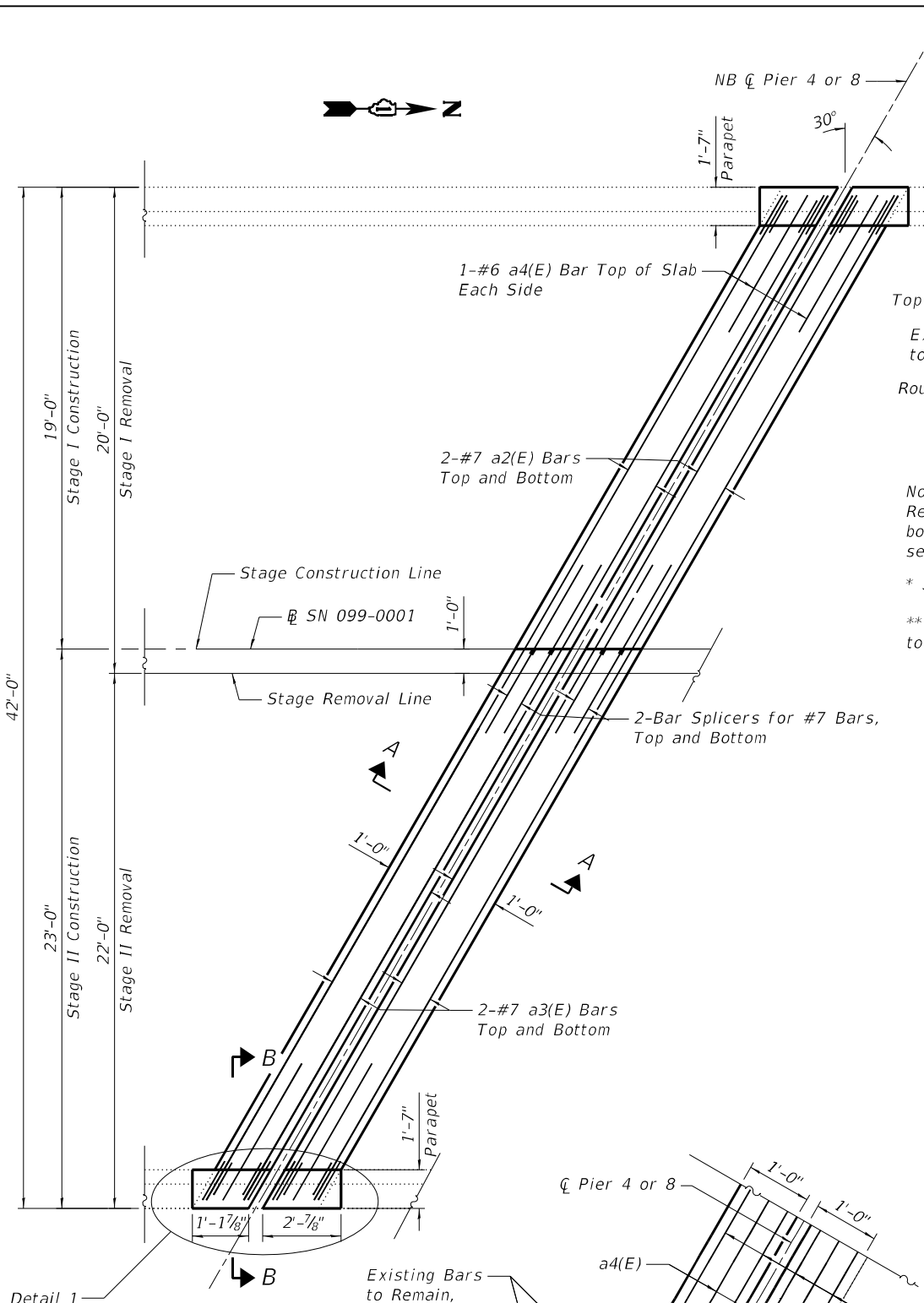
SB ABUTMENTS JOINT REMOVAL AND RECONSTRUCTION DETAILS
STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-08 OF 5-15 SHEETS

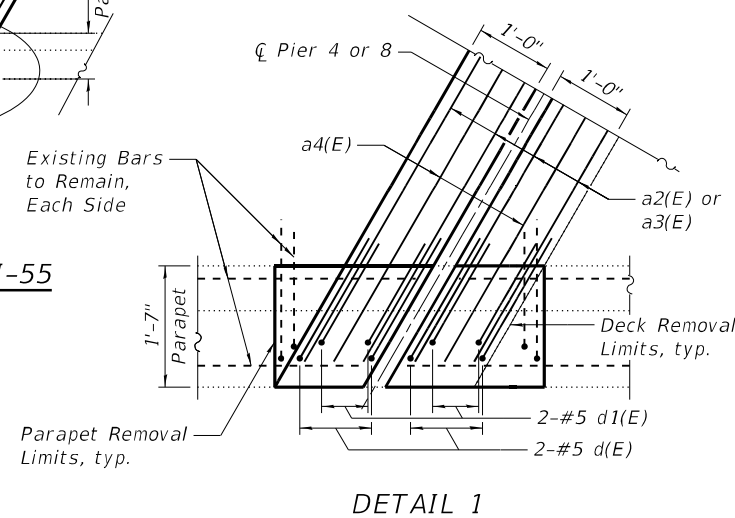
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N08	



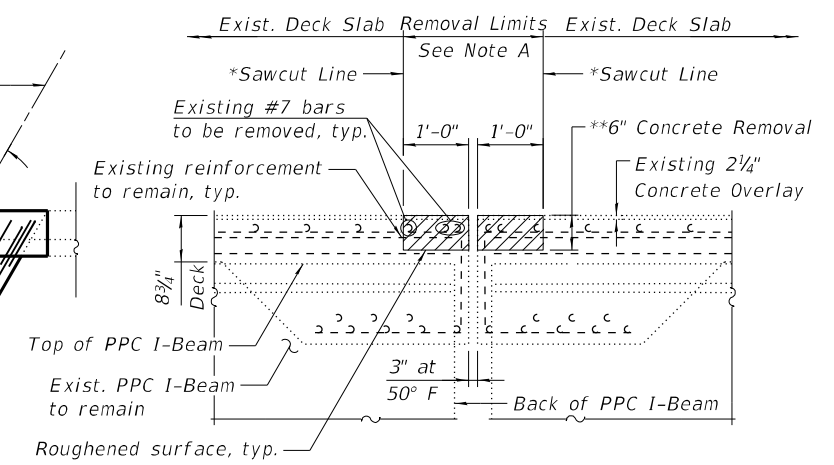
PLAN
SN 099-0002 SB I-55



PLAN
SN 099-0001 NB I-55



DETAIL 1

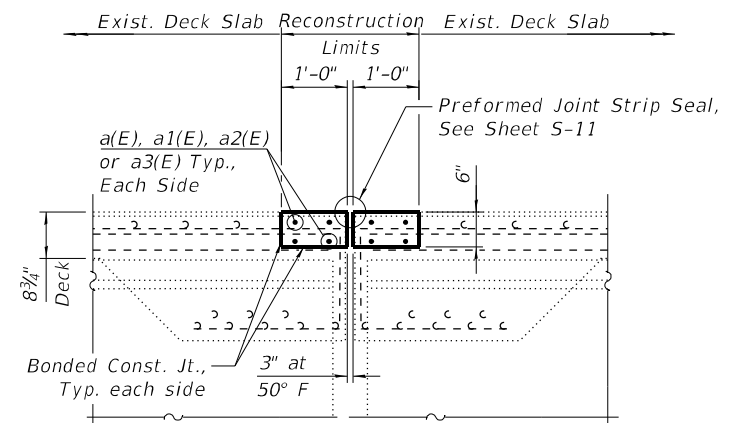


SECTION A-A
CONCRETE REMOVAL

Note A:
Remove existing concrete, joint assembly, plates, longitudinal bars and anchor bolts, including any concrete patches that were used to replace damaged sections of the existing expansion joint. Cost included in Concrete Removal.

* Sawcut included in cost of Concrete Removal

** 6" Conc. Removal between existing PPC I Beams. Existing PPC I-Beams are to remain intact and not damaged.



SECTION A-A
CONCRETE REPLACEMENT

- NOTES:**
- Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet EJ-SS.
 - The existing PPC Beams shall not be damaged.
 - Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system and any damage to existing epoxy coating shall be repaired as directed by the Engineer. Cost included in Concrete Removal.
 - See Sheet S-10 for Bill of Material, Bar Bends and Section B-B.
 - For Preformed Joint Strip Seal details see Sheet S-11.
 - For Bar Splicer Assembly details, see Sheet S-13.

- LEGEND:**
- Concrete Removal
 - Class D HMA Patching
 - Existing Reinforcement
 - Reinforcement Bars, Epoxy Coated

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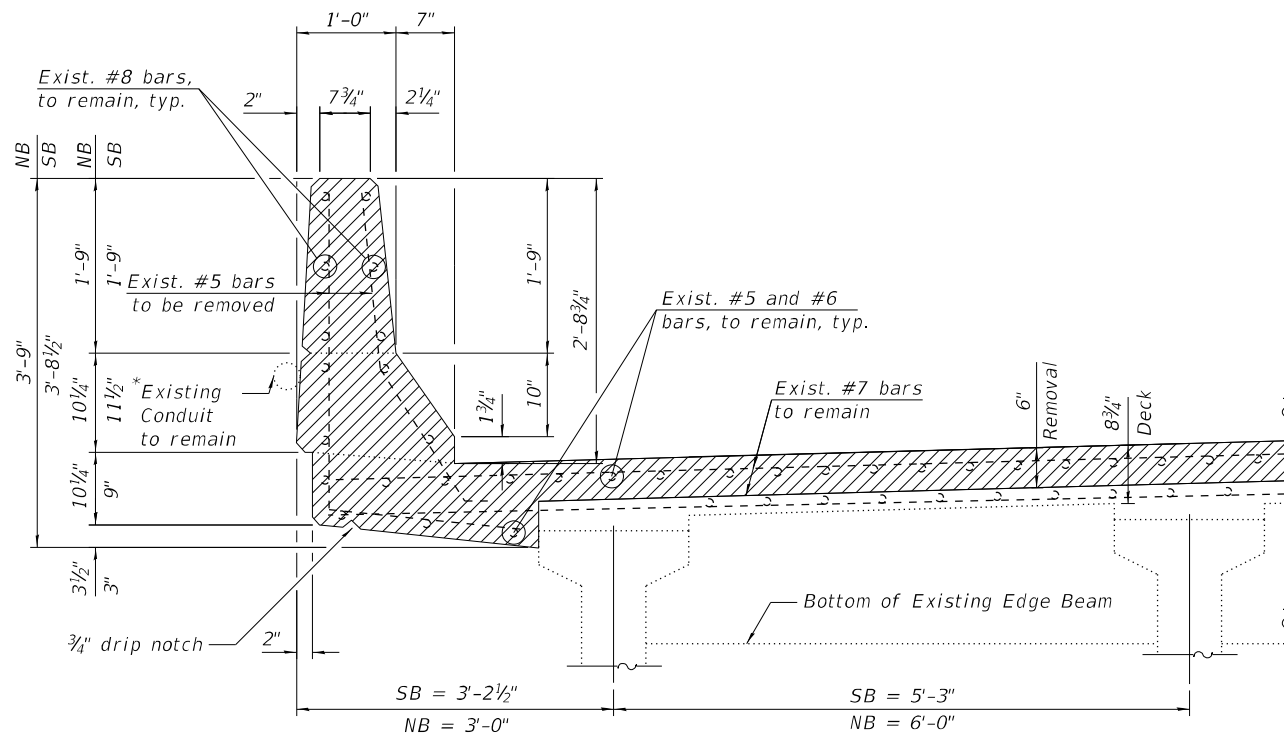
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB & SB PIERS 4 & 8 JOINT REMOVAL AND RECONSTRUCTION DETAILS
STRUCTURE NO. 099-0001 AND 099-0002

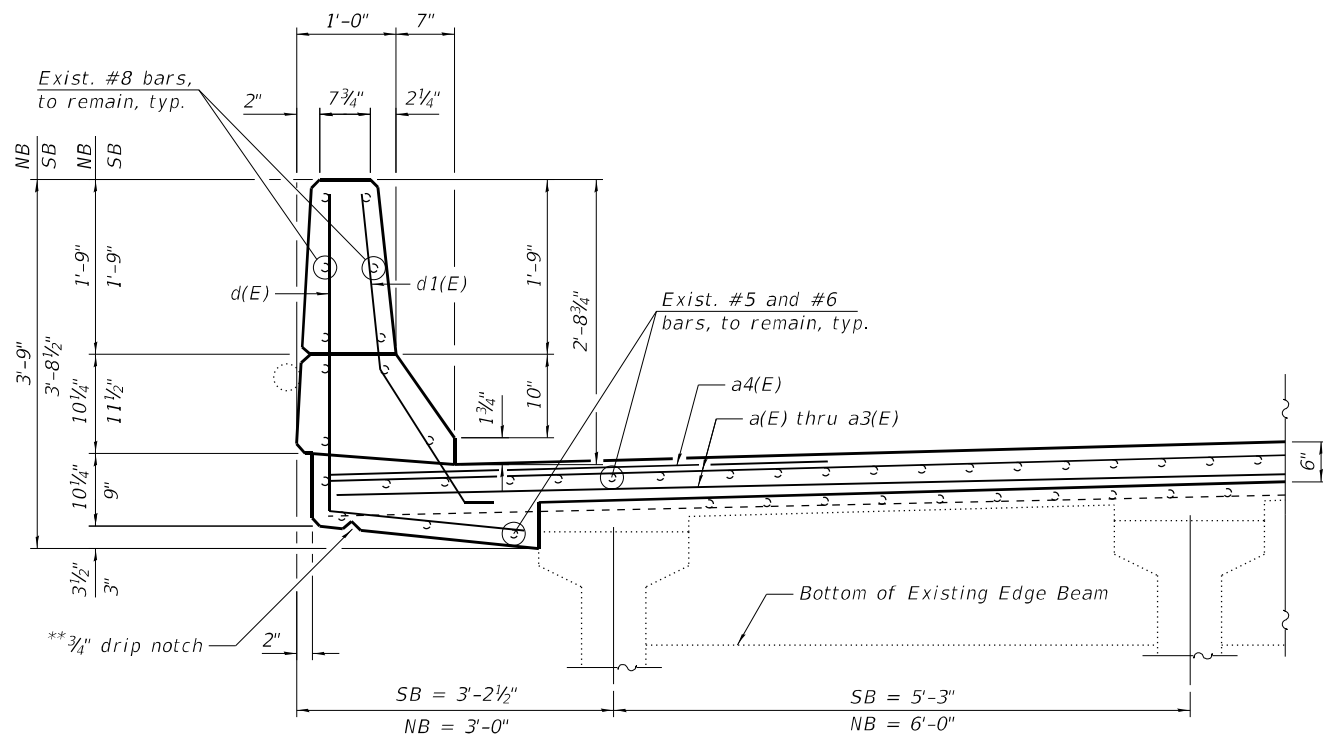
SHEET 5-09 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	65
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				



**SECTION B-B
TYPICAL REMOVAL**

*Existing Conduit located on the outside face of the inside parapet on the NB Bridge.

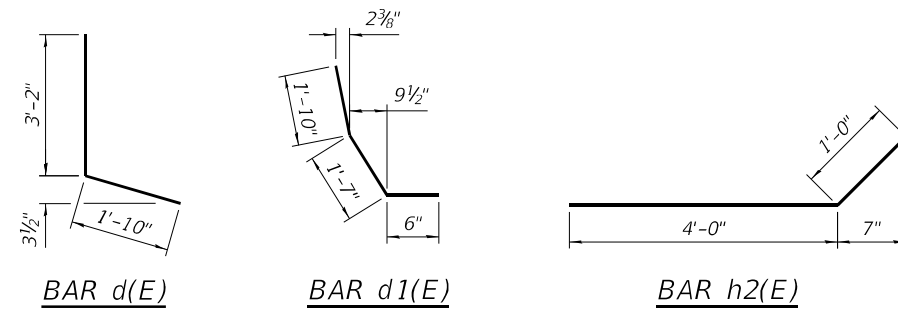


**SECTION B-B
TYPICAL RECONSTRUCTION**

**Match existing location.

**BILL OF MATERIAL
NB AND SB PIER 4 AND 8**

Bar	No.	Size	Length	Shape
a(E)	16	#7	26'-3"	—
a1(E)	16	#7	22'-5"	—
a2(E)	16	#7	21'-5"	—
a3(E)	16	#7	26'-0"	—
a4(E)	16	#6	6'-6"	—
d(E)	32	#5	5'-0"	⌒
d1(E)	32	#5	3'-11"	⌒
Concrete Removal			Cu. Yd.	10.8
Concrete Superstructure			Cu. Yd.	10.8
Reinforcement Bars, Epoxy Coated			Pound	3,600



LEGEND:

- Concrete Removal
- Existing Reinforcement
- Reinforcement Bars, Epoxy Coated

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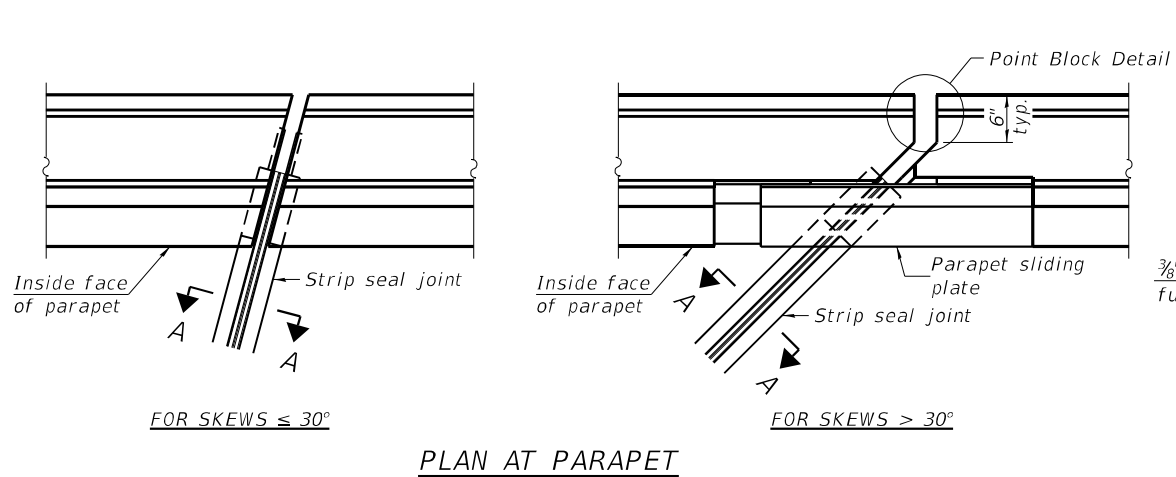
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL JOINT REMOVAL AND RECONSTRUCTION DETAILS
STRUCTURE NO. 099-0001 AND 099-0002**

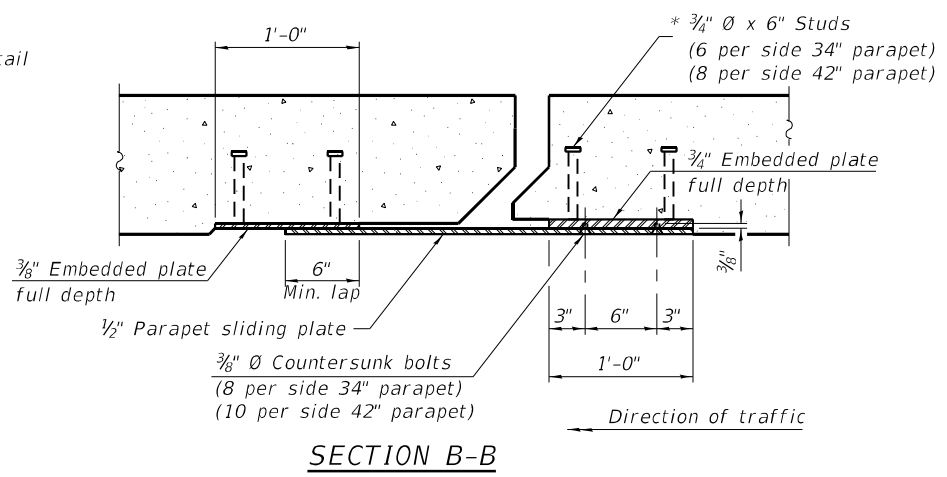
SHEET 5-10 OF 5-15 SHEETS

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ILLINOIS FED. AID PROJECT				

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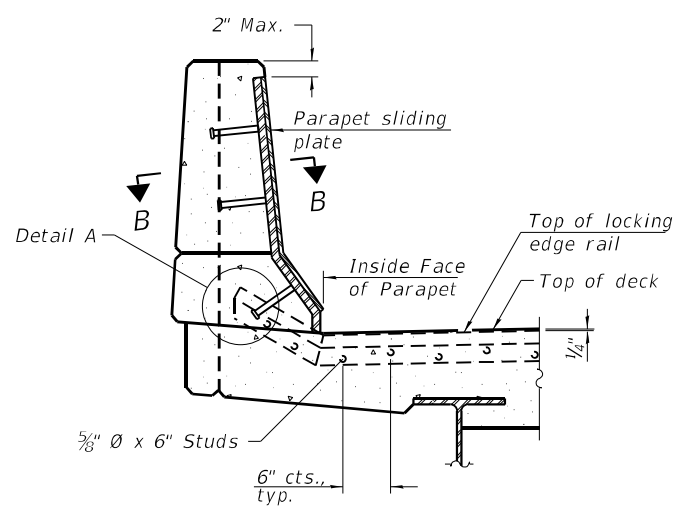


PLAN AT PARAPET



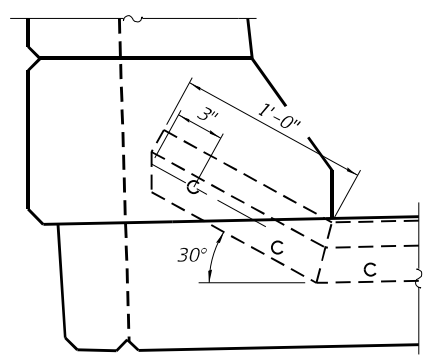
SECTION B-B

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.



ELEVATION AT PARAPET

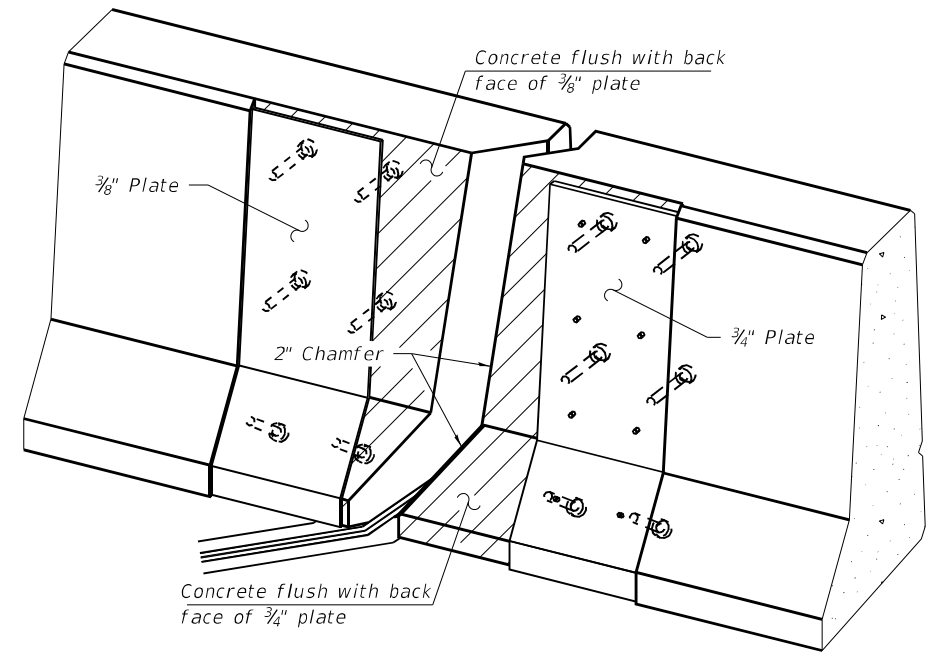
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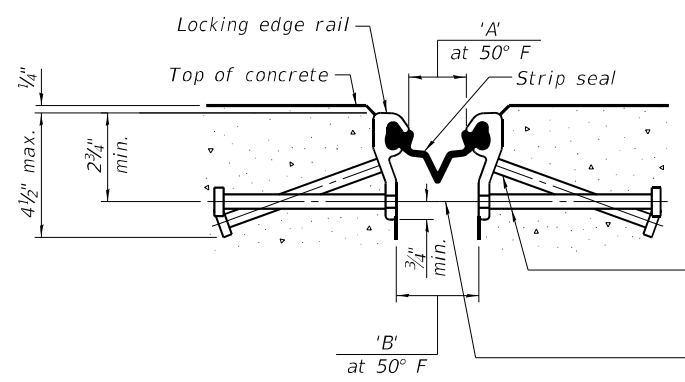
DETAIL A

JOINT OPENING TABLE

Joint	A	B	C
S. Abut.	1 3/8"	2 1/2"	3"
Pier 4	2 1/8"	3"	3 3/8"
Pier 8	2 1/8"	3"	3 3/8"
N. Abut.	1 3/8"	2 1/2"	3"

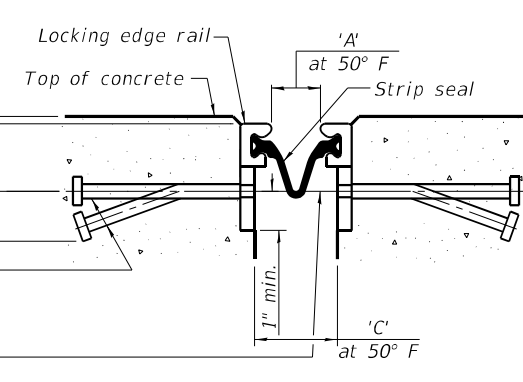


TRIMETRIC VIEW
 (Showing embedded plates only)

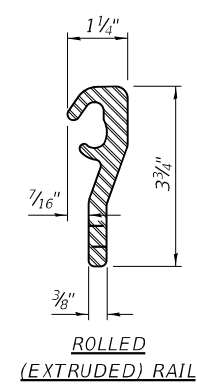


SHOWING ROLLED RAIL JOINT

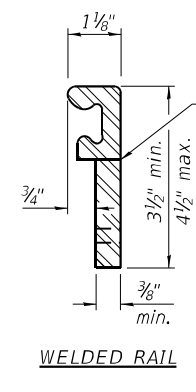
* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" φ threaded rods in 7/16" φ holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



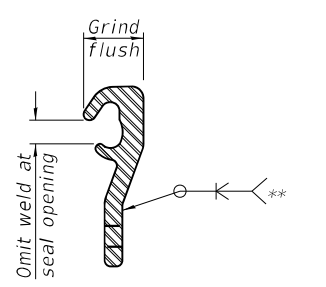
SHOWING WELDED RAIL JOINT



ROLLED (EXTRUDED) RAIL



WELDED RAIL



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	297

EJ-SS

8-11-17



PEN TABLE = pd\NOLAYERS\p\itc	DESIGNED - JES	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

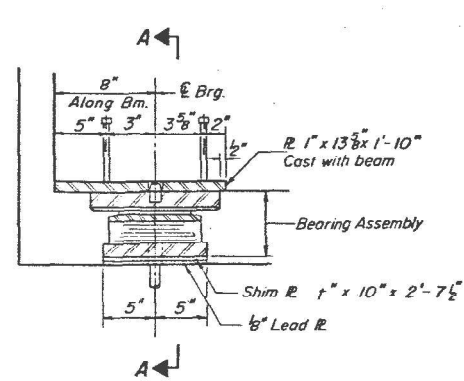
PREFORMED JOINT STRIP SEAL
 STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-11 OF 5-15 SHEETS

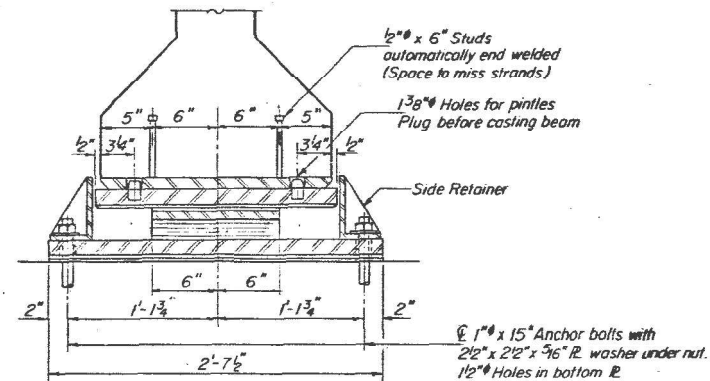
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	67
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
855-1	81/86	Will	70	56
SHEET NO. 22 of 36 SHEETS				

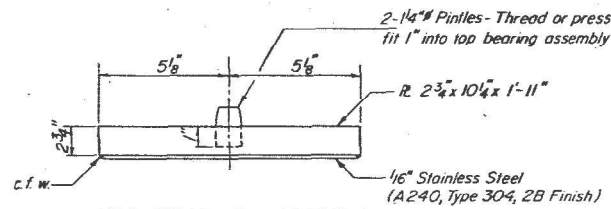


SECTION AT ABUT.
Similar at Piers #4 & #8

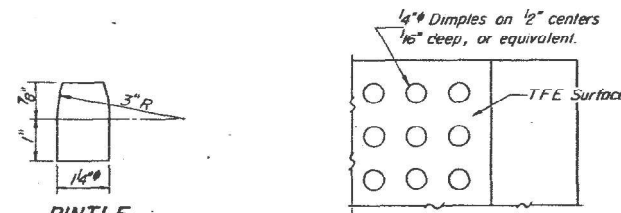


SECTION A-A

TYPE II TFE ELASTOMERIC EXP BRG.

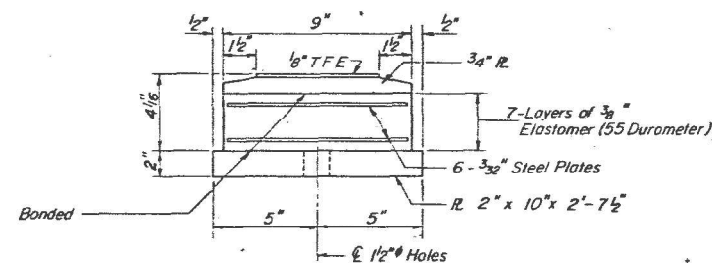


TOP BEARING ASSEMBLY

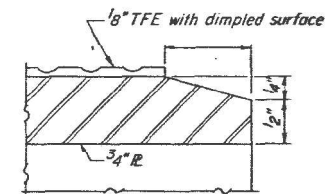


PINTLE

PLAN-TFE SURFACE



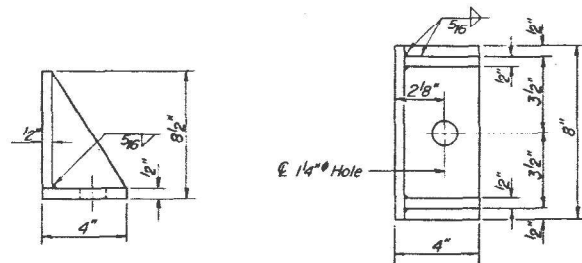
BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

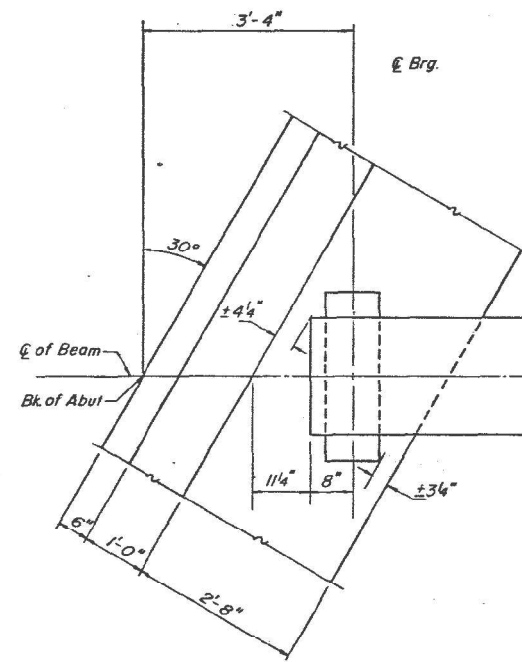


SIDE RETAINER

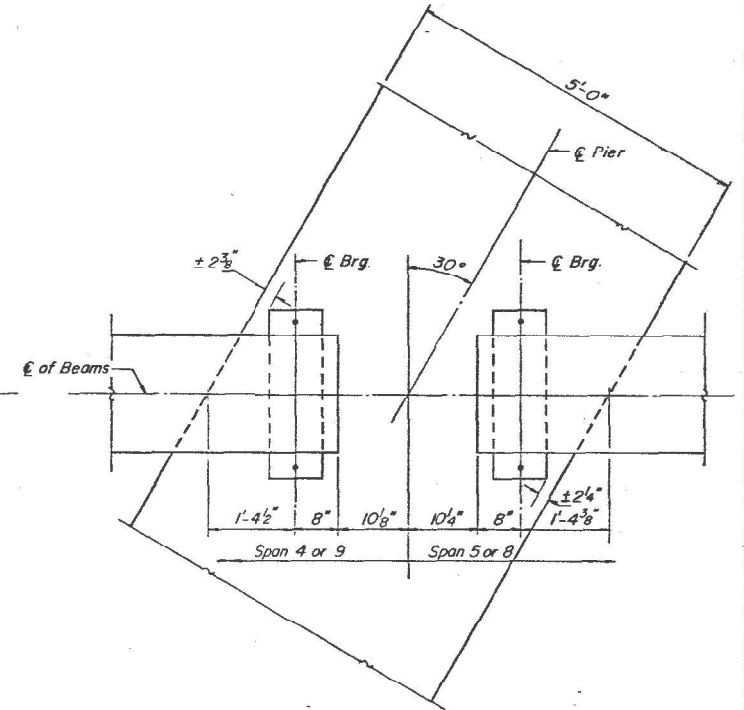
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

DESIGNED	E. M.M.
CHECKED	J. M.N.
DRAWN	D. A.N.
CHECKED	E. M.M.

PI-2E-2 12-31-85



PLAN - BEARING AT ABUTMENT



PLAN - BEARING AT PIERS #4 & #8

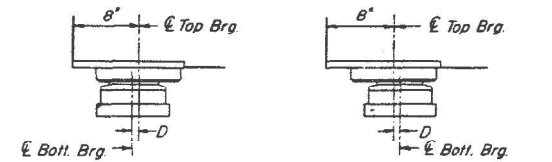
Note: After beams have been erected, holes at expansion bearing shall be drilled anchor bolts grouted in place.

FOR INFORMATION ONLY

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	48

TOTAL WT. OF STRUCTURAL STEEL THIS SHEET = 1,700 Lbs.



BELOW 50°F (Move bott. brg. away from fixed brg.)
ABOVE 50°F (Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D = 1/8" per each 100" of expansion for every 15° temp. change from the normal temp. of 50°F.

BEARING DETAILS
ABUTMENTS & PIERS #4 & #8

SOUTHBOUND F.A.I. 55 OVER
KANKAKEE RIVER
F.A.I. RTE. 55 SECTION 88B-1-BY (86)
WILL COUNTY
Sta. 1531+32.83
STRUCTURE NUMBER 099-0002

USER: aha
MODEL: Default
FILE NAME: P:\02_209_004_DOT_PTB_190_14_Phase II Var\an\Design\WO 15 62N08\CADD\CADD_Sheets\162N08-sh-bridge-12brgpaint.dgn



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DRAWN	- SVJ
DATE	- 12/11/2020

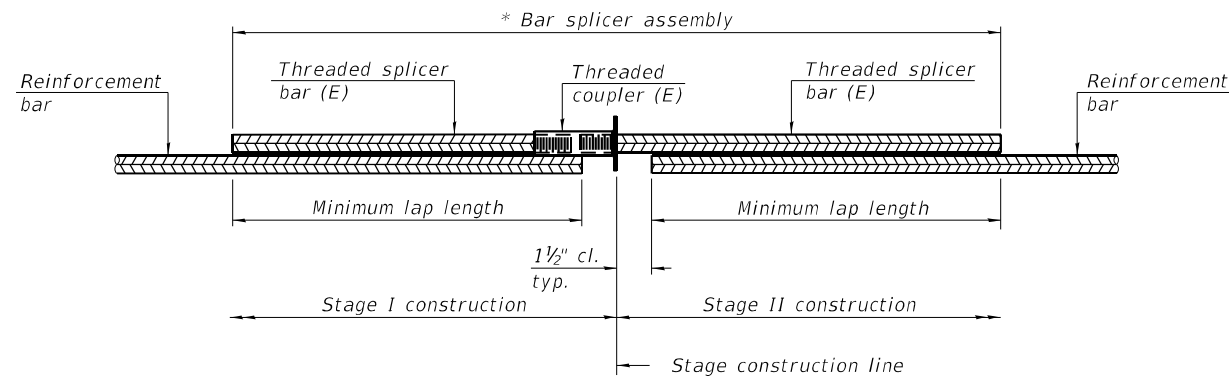
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BEARING DETAIL
STRUCTURE NO. 099-0002

SHEET 5-12 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	68
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

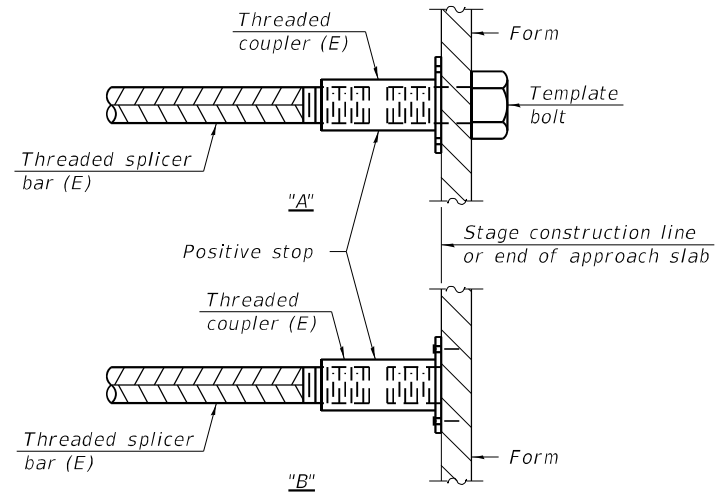


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

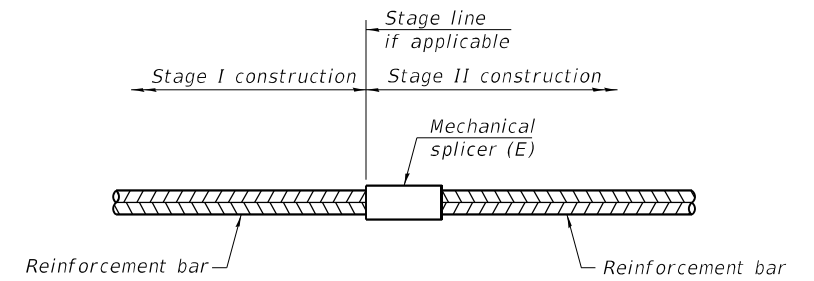
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
SB S. Abutment	#6	4	4'-0"
SB S. Abutment	#7	4	5'-3"
NB Pier 4	#7	8	5'-3"
NB Pier 8	#7	8	5'-3"
SB Pier 4	#7	8	5'-3"
SB Pier 8	#7	8	5'-3"
SB N. Abutment	#6	4	4'-0"
SB N. Abutment	#7	4	5'-3"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-1-2020



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-13 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	69
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

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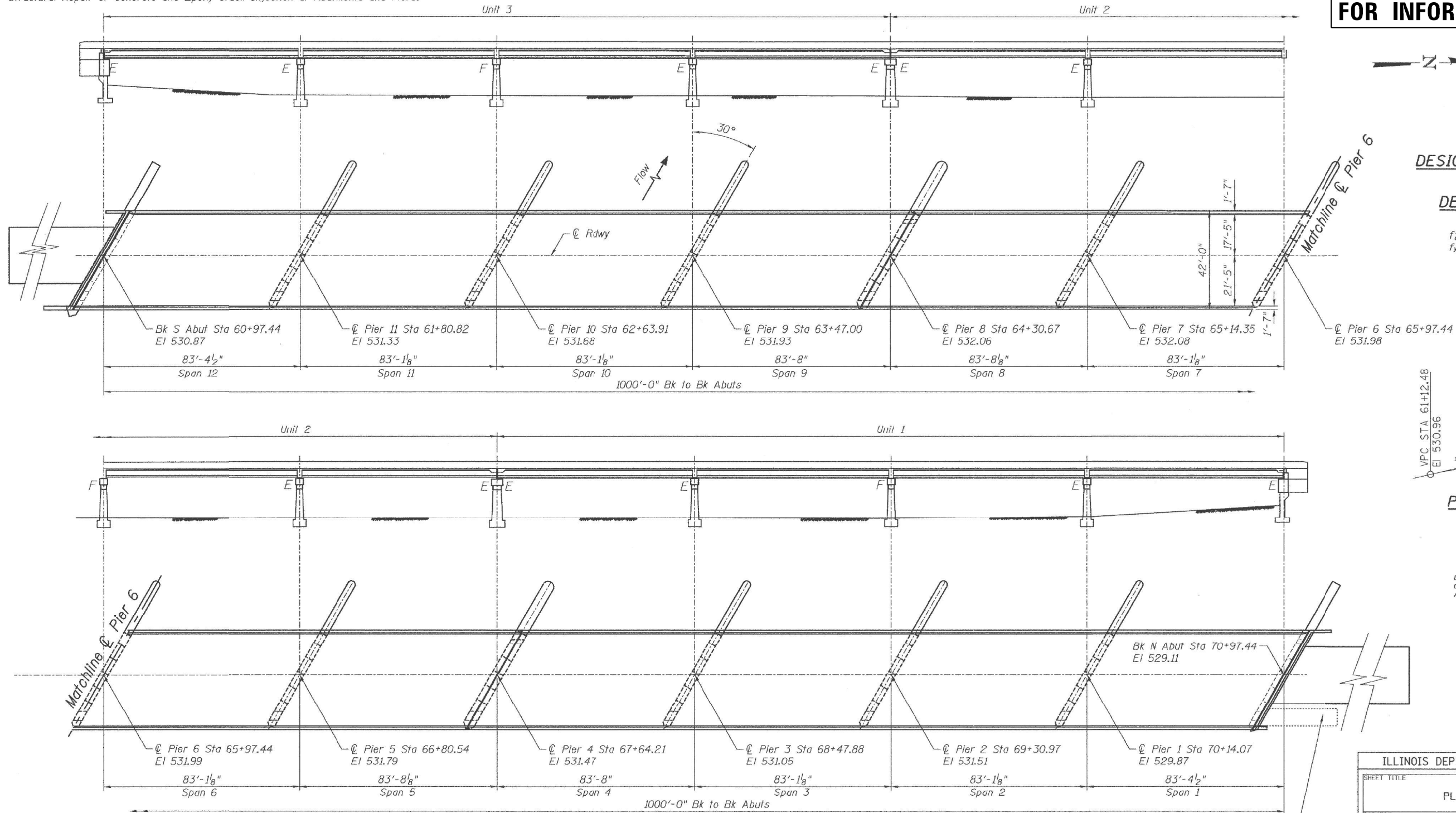
Benchmark: Chiseled "X" on top of west parapet, south end of SN 099-0002, Elev. 533.22

Existing Structure: 12 Span PPC I-Beam Superstructure Consisting of Three (4 Span) Continuous Units on Solid Concrete Piers and Closed Concrete Abutments. The Abutments and Piers Were Built in 1935 and New Caps and Superstructure Were Added in 1977.

Proposed Improvement: Deck Repair. Scarify Deck 1" and Install Bridge Deck Latex Concrete Overlay 2 1/4".
Neoprene Joint Replacement, P.P.C. Beam Repair.
Addition of Wingwall at the North Abutment.
Structural Repair of Concrete and Epoxy Crack Injection at Abutments and Piers.

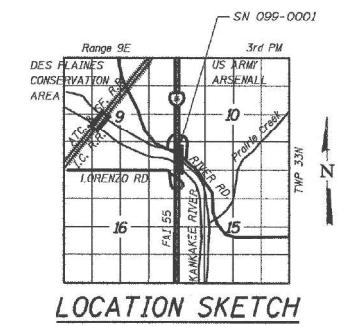
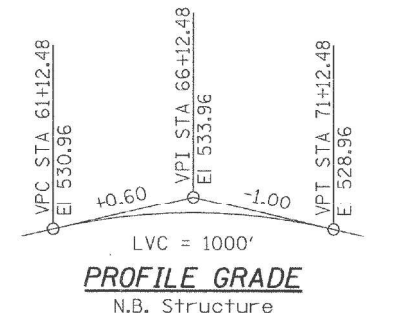
ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.	SHEET NO. 1 19 SHEETS
FAI 55	#	Will	72	29	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		Contract #62930 # 88(B&B-1)BR

FOR INFORMATION ONLY



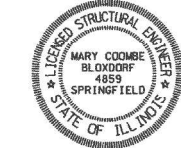
DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)



PLAN & ELEVATION

Existing Approach Beams to be removed. See sheet 14 of 19.



Mary Coombe Bloxdorf
ILLINOIS STRUCTURAL NO. 4859
EXPIRES: 11/30/10
DATE: 11/23/09

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SHEET TITLE PLAN AND ELEVATION	
PROJECT I-55 NB OVER KANKAKEE RIVER FAI ROUTE 55, SECTION 88(B&B-1)BR WILL COUNTY SN 099-0001	PROJECT NO. 03095-16 SCALE DATE 9/23/09 DRAWN BY CFC CHECKED BY MCE/KPS DRAWING NO.
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	
1 OF 19 SHTS	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION S.N. 099-0001
STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-14 OF 5-15 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	70
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled "X" on top of west parapet, south end of SN 099-0002, Elev. 533.22

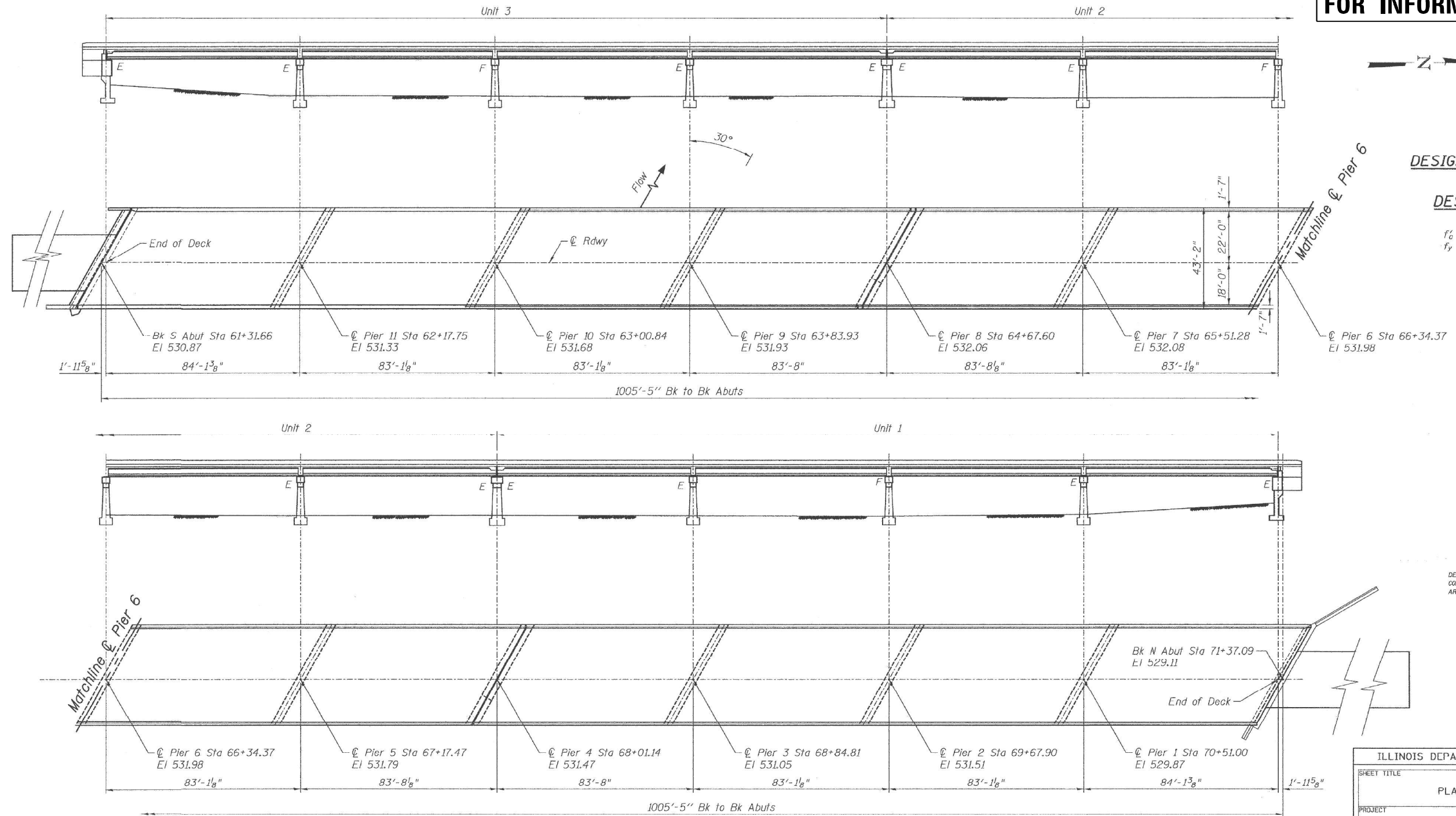
Existing Structure: 12 Span PPC I-Beam Superstructure Consisting of Three (4 Span) Continuous Units on Solid Concrete Piers and Closed Concrete Abutments. The Abutments and Piers Were Built in 1955 and New Caps and Superstructure Were Added in 1986.

Proposed Improvement: Deck Repair, Scarify Deck 1" and Install Bridge Deck Latex concrete Overlay 2 1/4".
 Replace Neoprene Expansion Joints, Install Concrete Brackets Under Cantilever Portion of Pier Caps at Piers 1 Thru 11.
 Structural Repair of Concrete and Epoxy Crack Injection at Abutments and Piers.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAI 55	*	Will	72	48	9 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #62930 * 88(B&B-1)BR

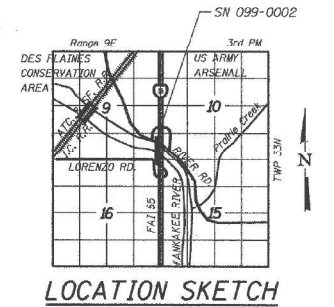
FOR INFORMATION ONLY



DESIGN SPECIFICATIONS
 2002 AASHTO

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)



ILLINOIS DEPARTMENT OF TRANSPORTATION			
SHEET TITLE PLAN AND ELEVATION			
PROJECT 1-55 SB OVER KANKAKEE RIVER FAI ROUTE 55, SECTION 88(B&B-1)BR WILL COUNTY SN 099-0002	PROJECT NO. 03095-16	DATE 6/25/09	CHECKED BY MCB/KPS
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703			SHEET NO. 1 OF 9 SHTS

ILLINOIS STRUCTURAL ENGINEER
 MARY COOMBE BLOXDORF
 4859 SPRINGFIELD
 STATE OF ILLINOIS

Mary Coombe Bloxdorf
 ILLINOIS STRUCTURAL NO. 4859
 EXPIRES: 11/30/10
 DATE: 6-25-09

USER: aha
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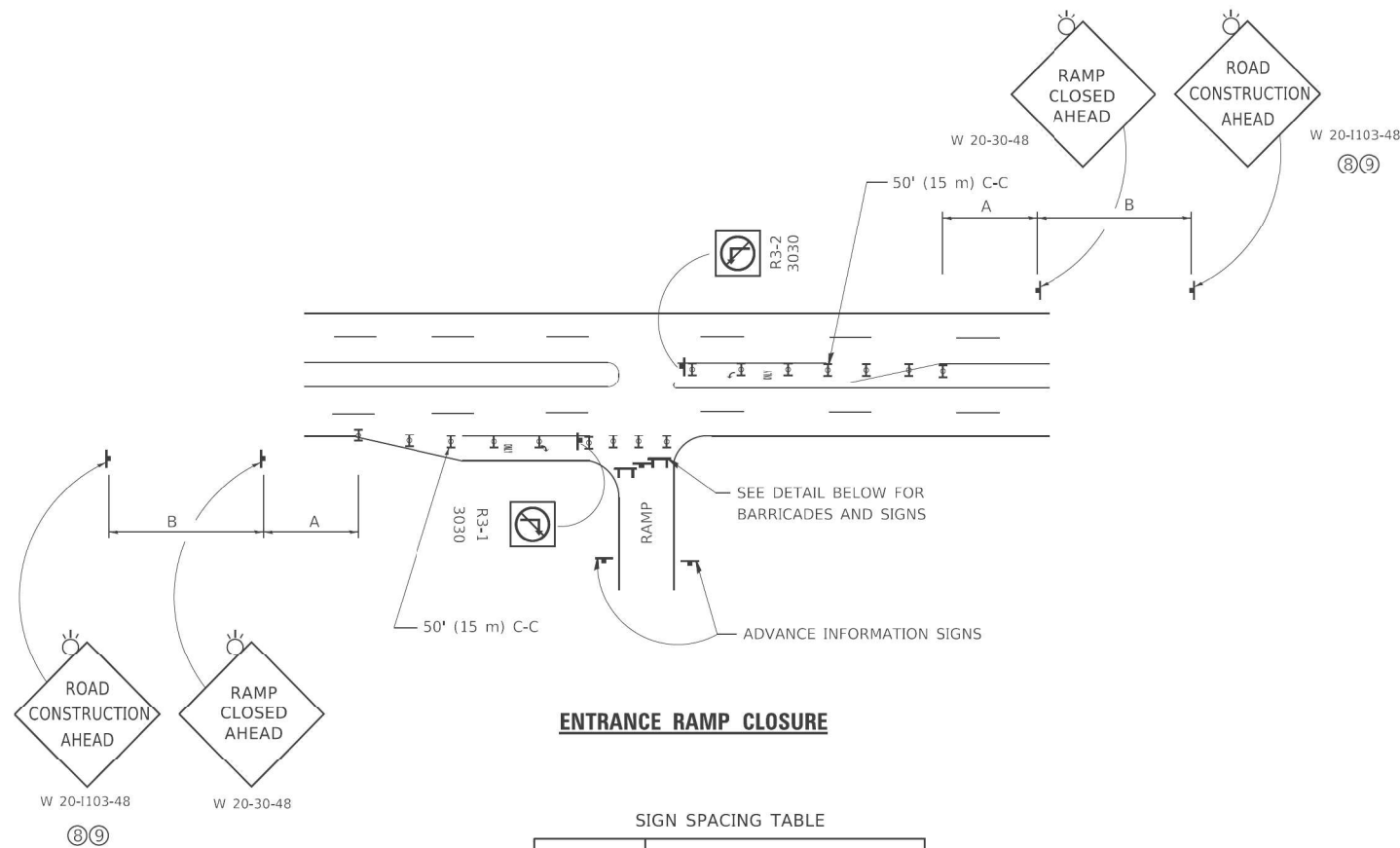
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION S.N. 099-0002
 STRUCTURE NO. 099-0001 AND 099-0002

SHEET 5-15 OF 5-15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	71
CONTRACT NO. 62N08				
ILLINOIS FED. AID PROJECT				

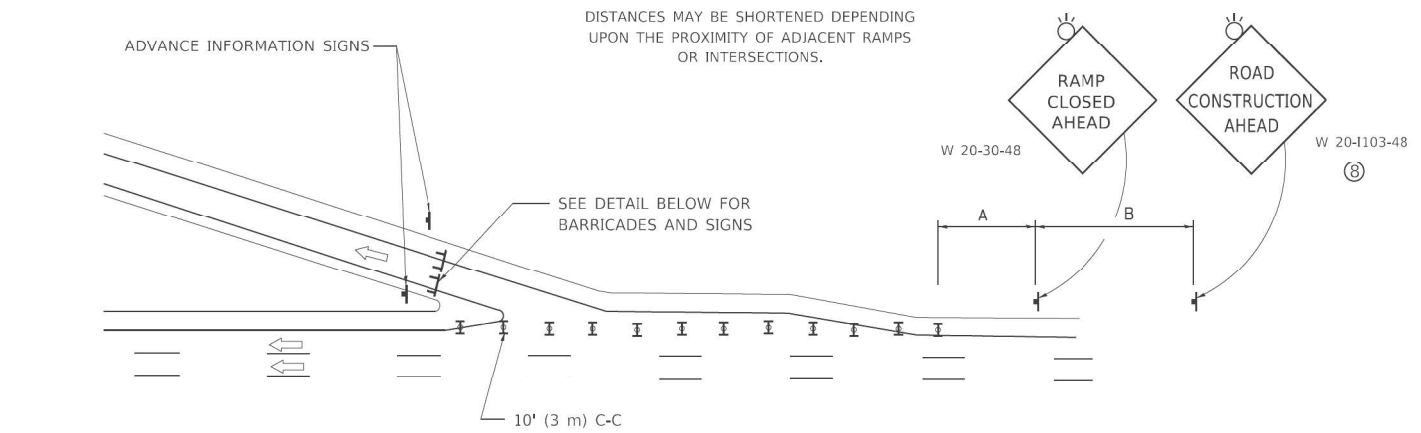


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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

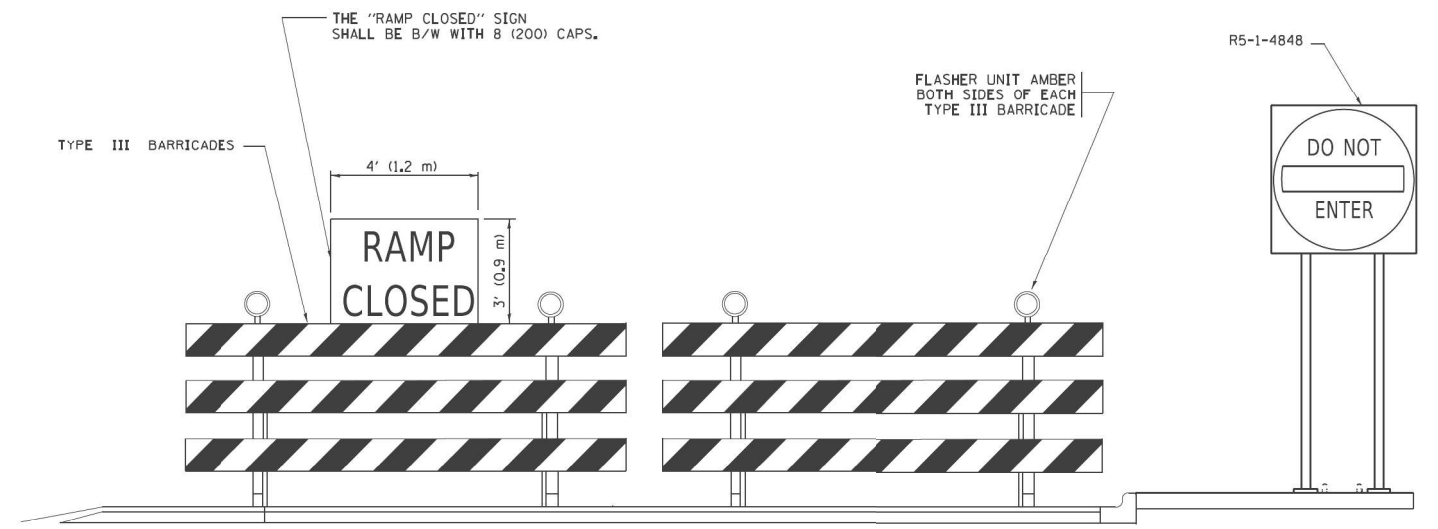
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

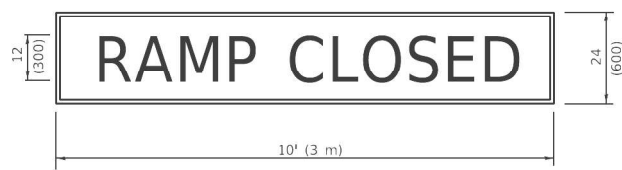
SYMBOLS

- I TYPE II BARRICADE OR DRUM
- ⌈ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



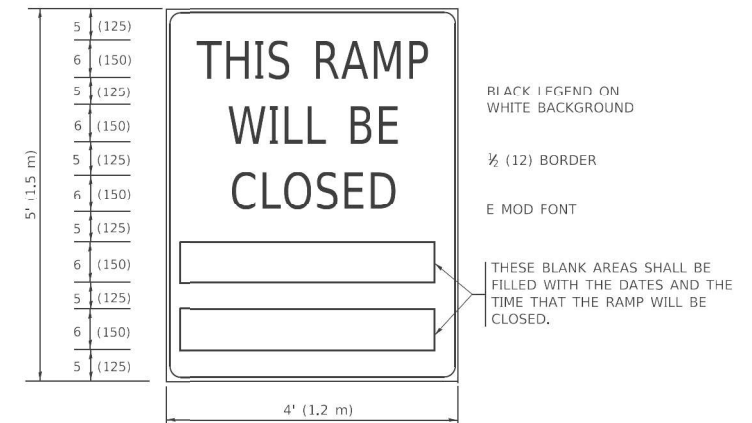
DETAIL FOR REQUIRED BARRICADES & SIGNS

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



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

GENERAL NOTES:

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

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

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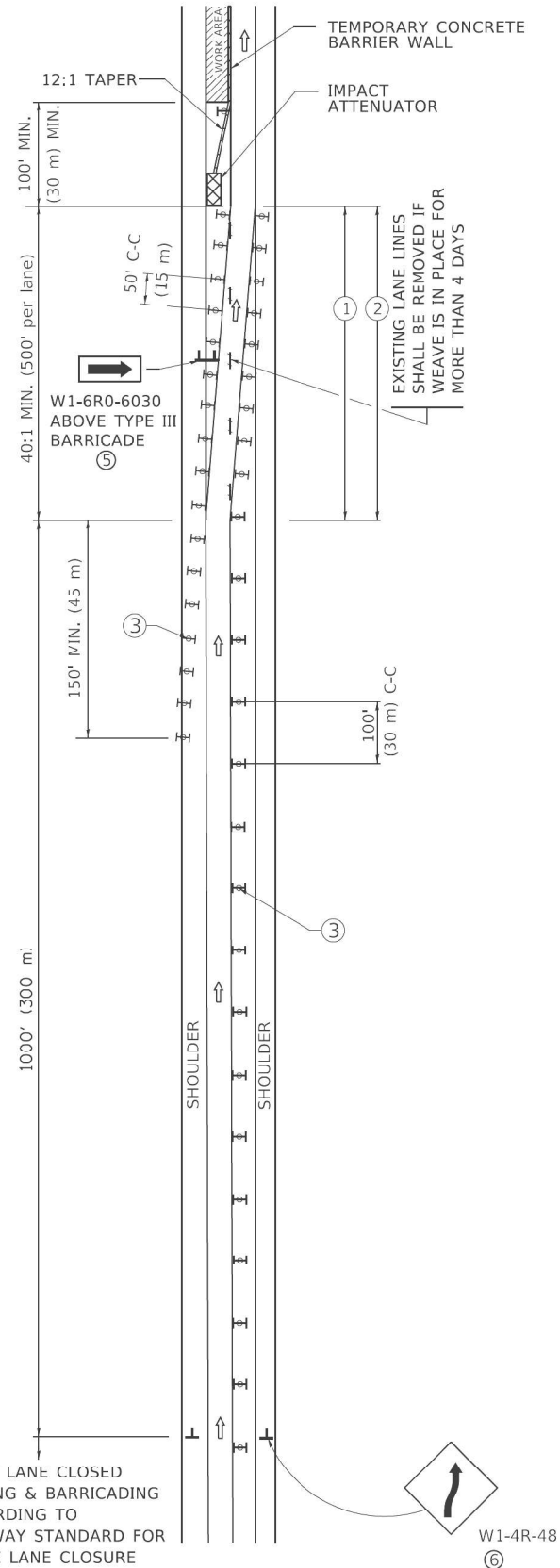
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

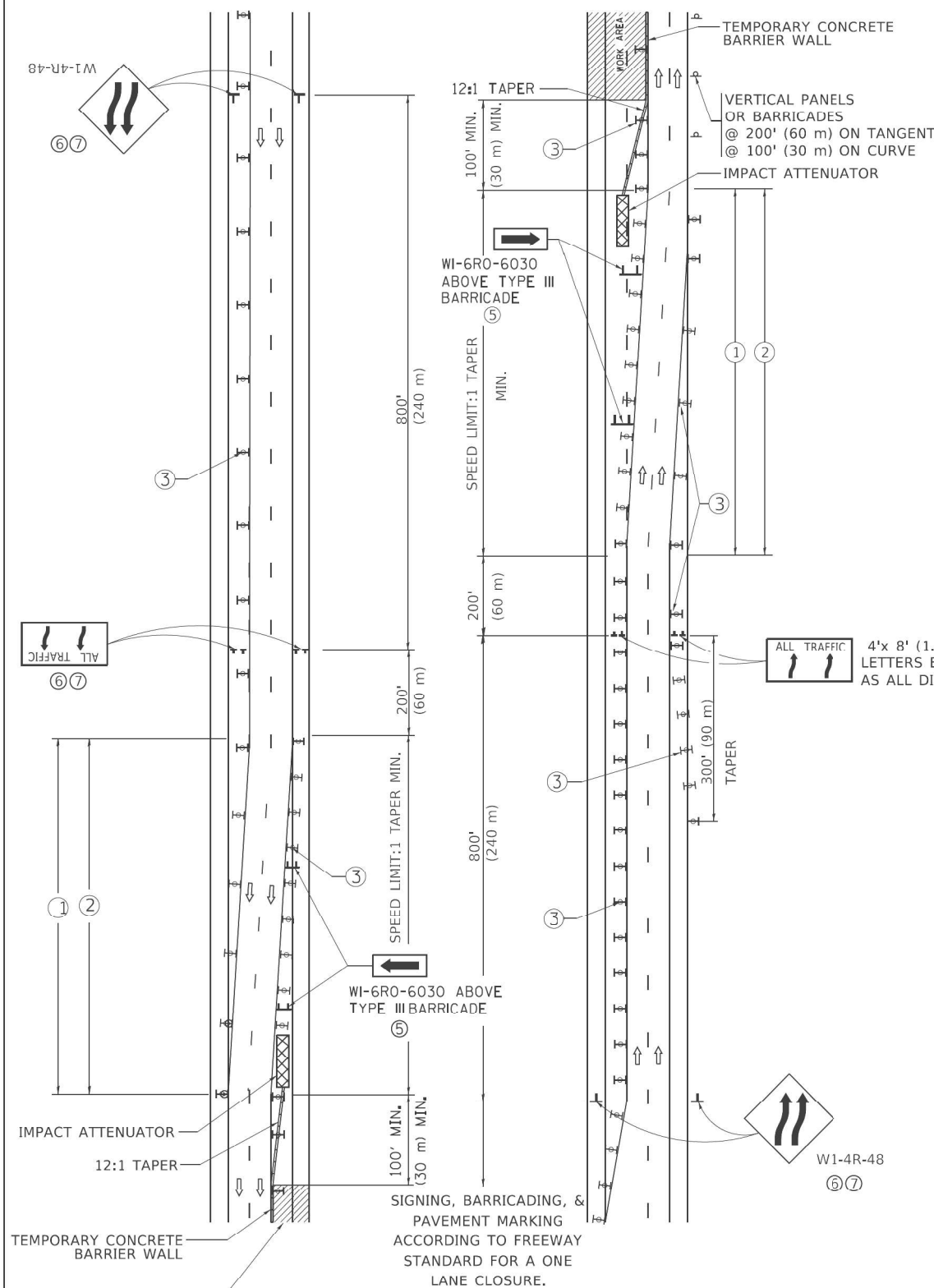
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	72
TC-08		CONTRACT NO. 62N08		
ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



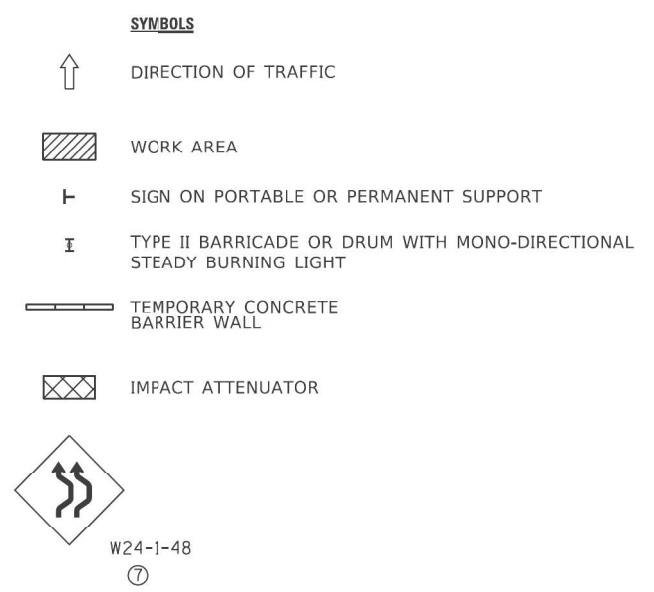
MULTI-LANE WEAVE



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 CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

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



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

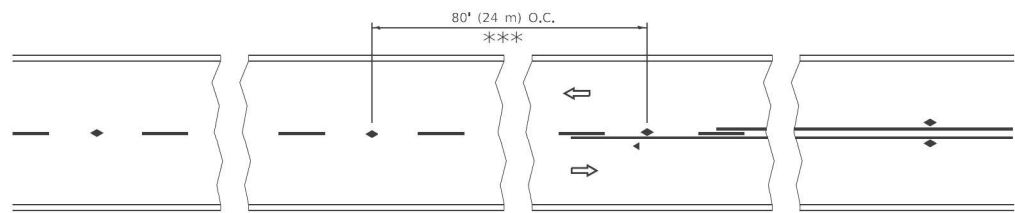
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USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

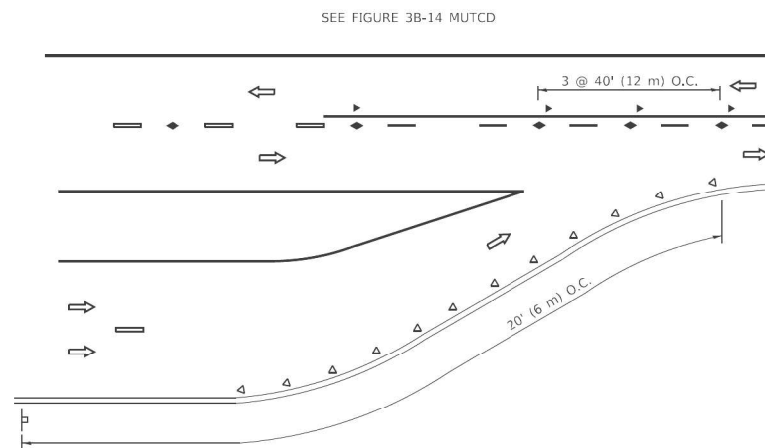
TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	73
TC-09			CONTRACT NO. 62N08	
ILLINOIS FED. AID PROJECT				

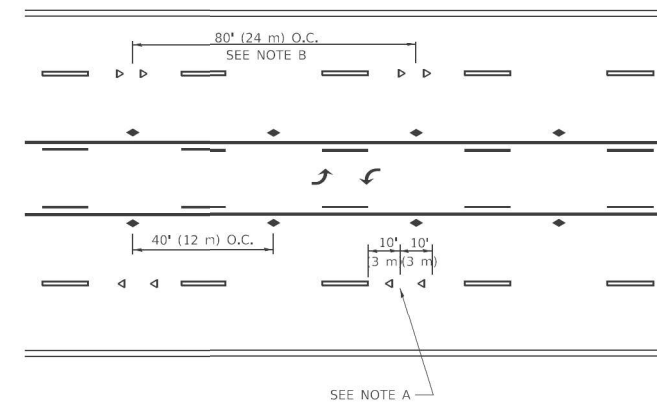


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

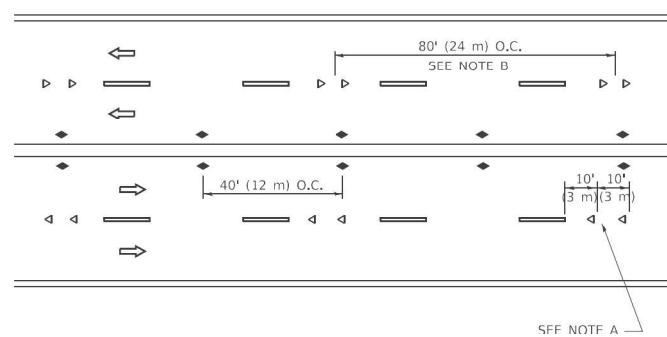
TWO-LANE/TWO-WAY



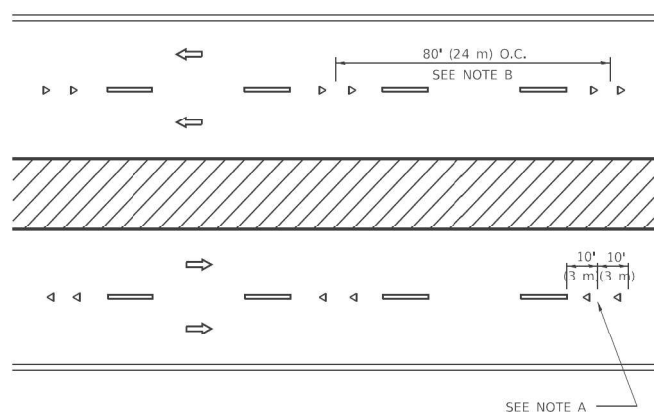
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

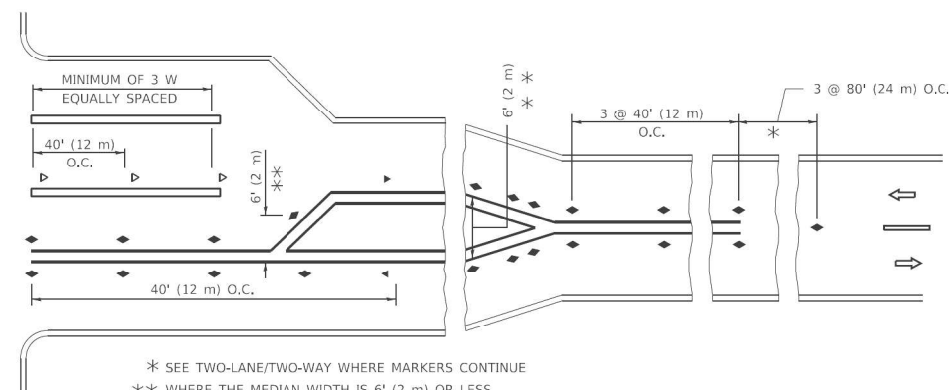
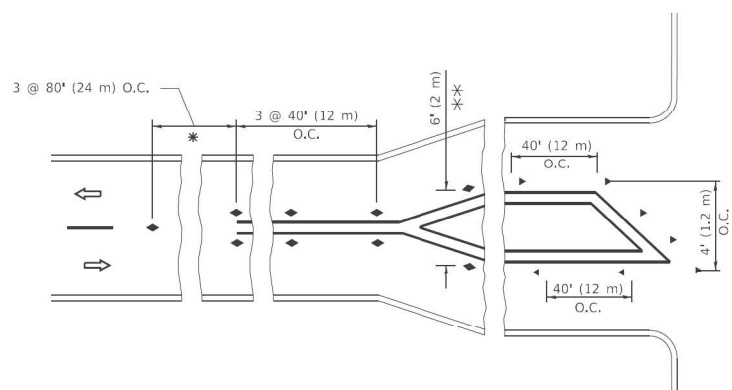
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



TURN LANES

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

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

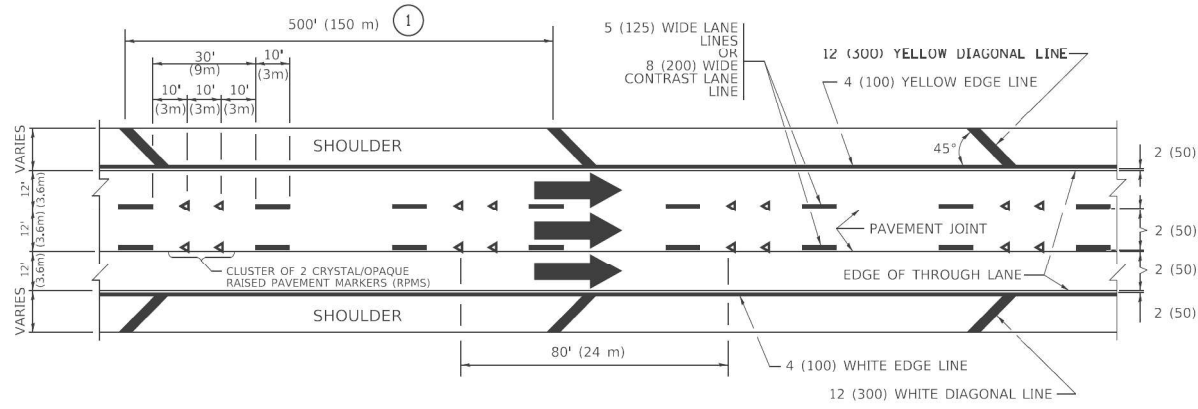
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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

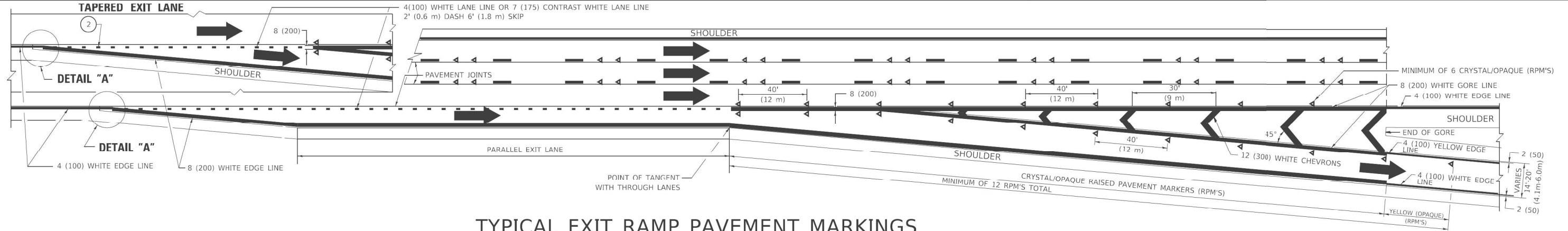
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO. 62N08		
ILLINOIS FED. AID PROJECT				



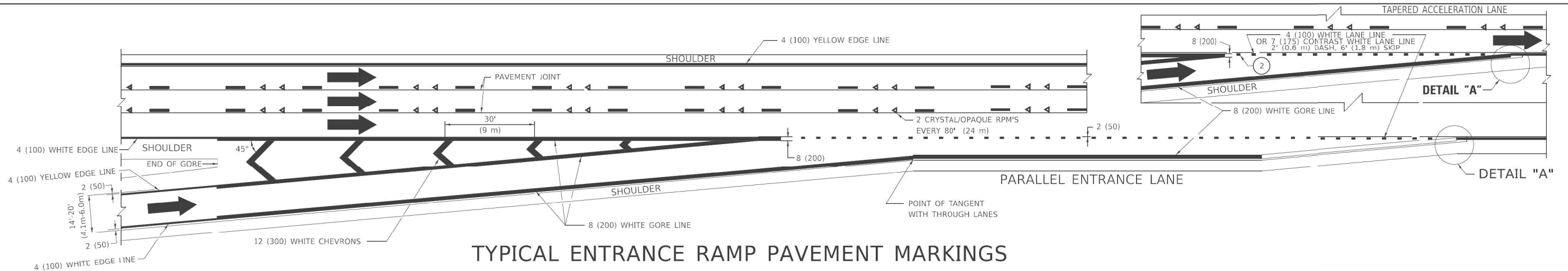
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

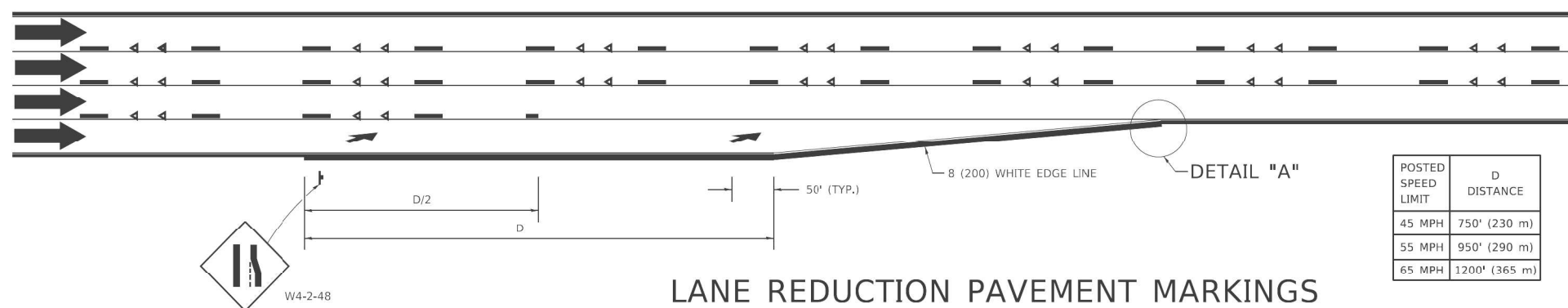
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URET-HANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE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



TYPICAL EXIT RAMP PAVEMENT MARKINGS

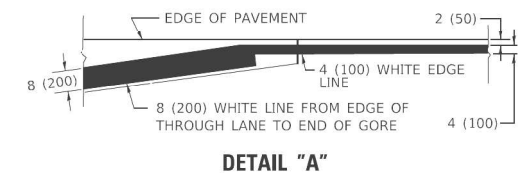


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

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



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.

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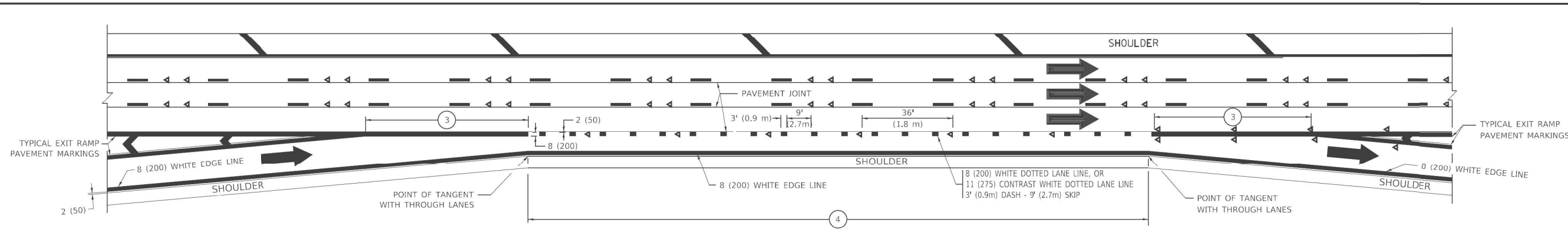
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PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - M.D. 05-13
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

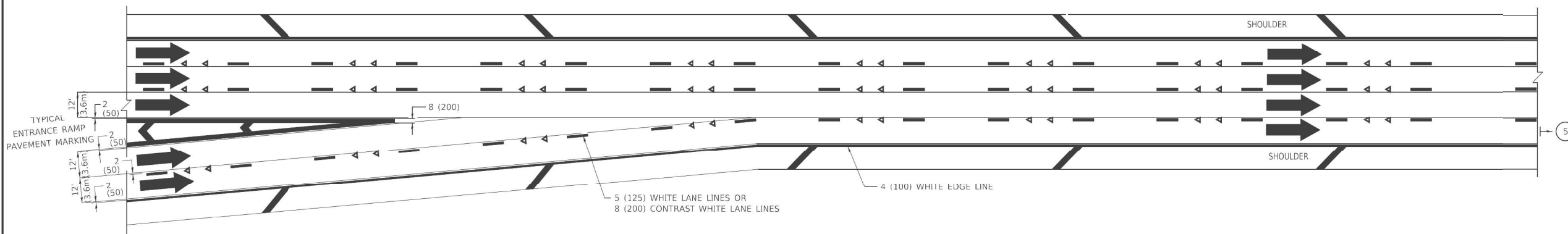
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

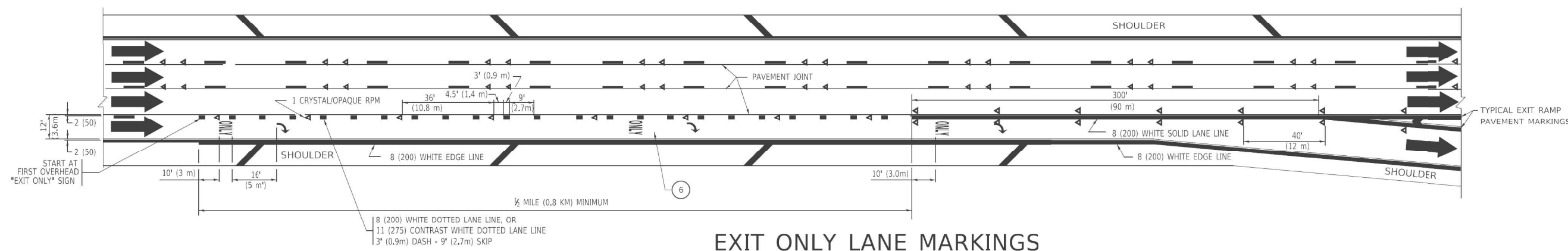
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	75
TC-12		CONTRACT NO. 62N08		
ILLINOIS FED. AID PROJECT				



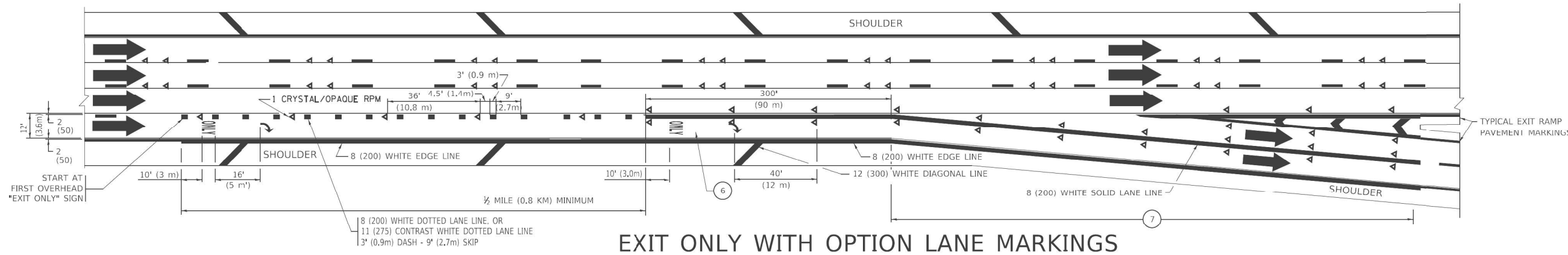
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

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

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USER NAME = footem	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
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PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

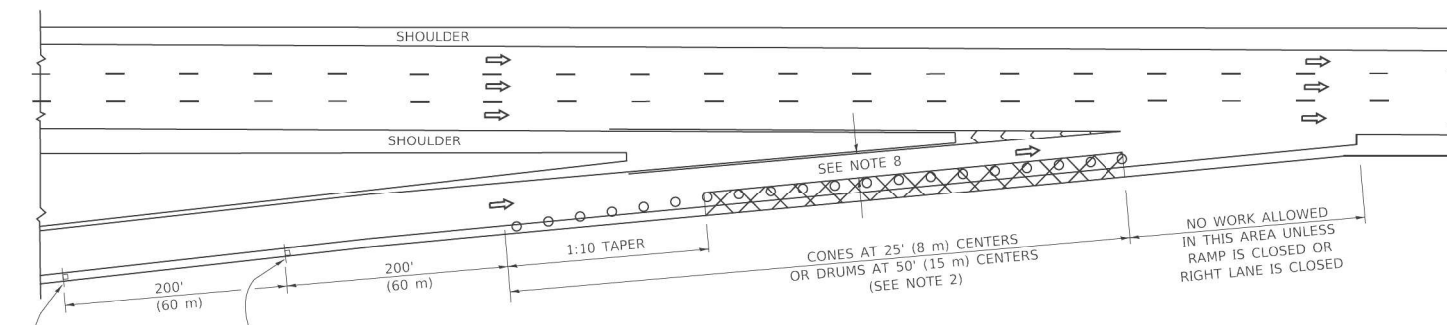
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

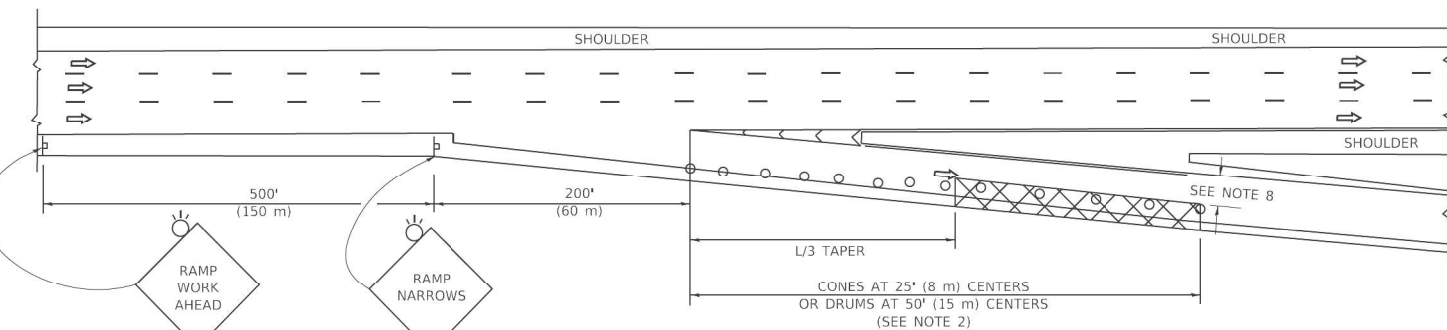
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-12		CONTRACT NO. 62N08		
ILLINOIS FED. AID PROJECT				

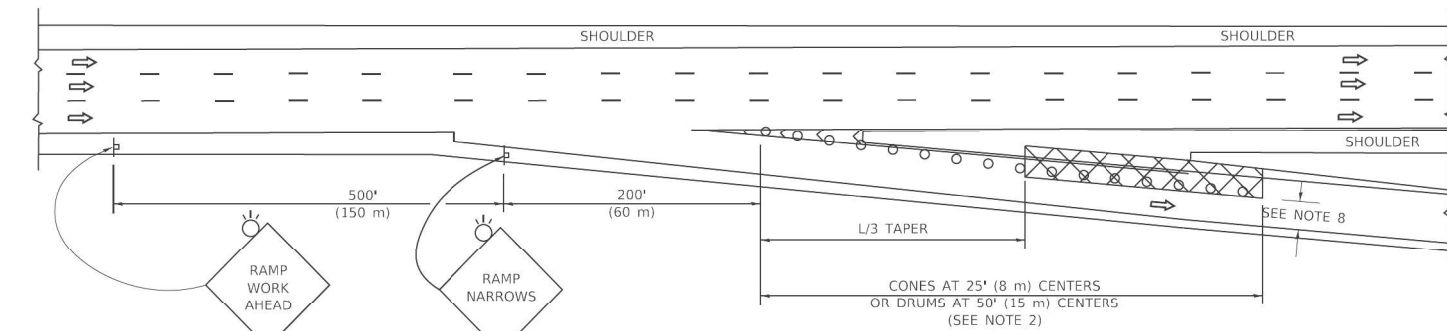
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

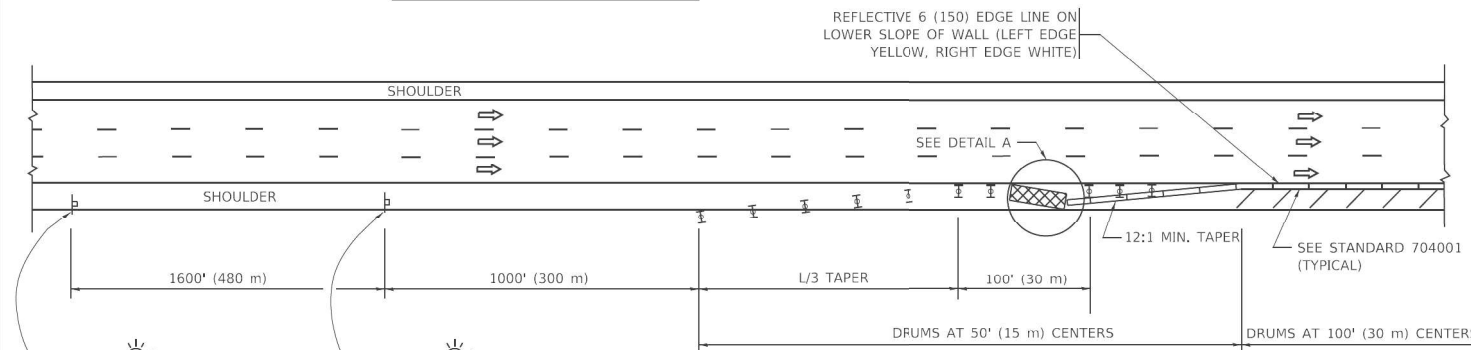
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

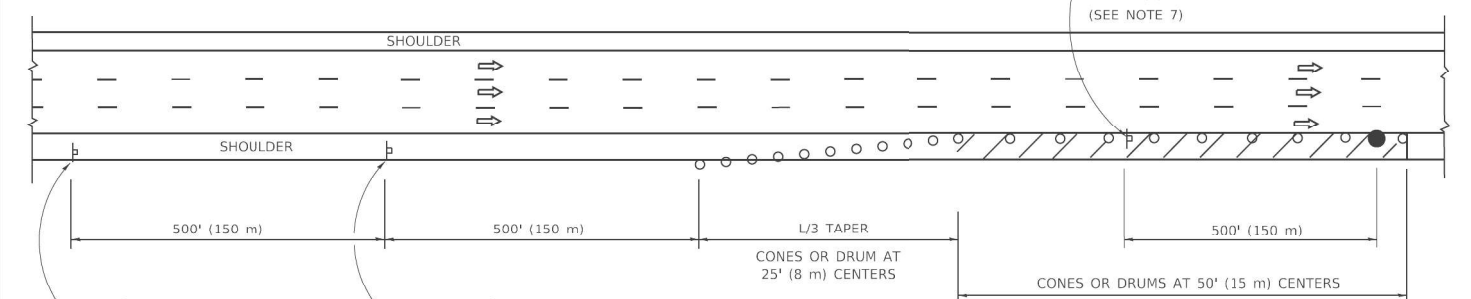
1. THE "L" DISTANCE EQUALS:

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

SHOULDER CLOSURE DETAILS

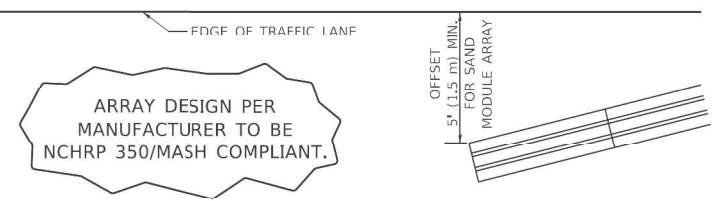


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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



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

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

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

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USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07
	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - M.D. 06-13
PLOT DATE = 3/4/2019	DATE - 11-96	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

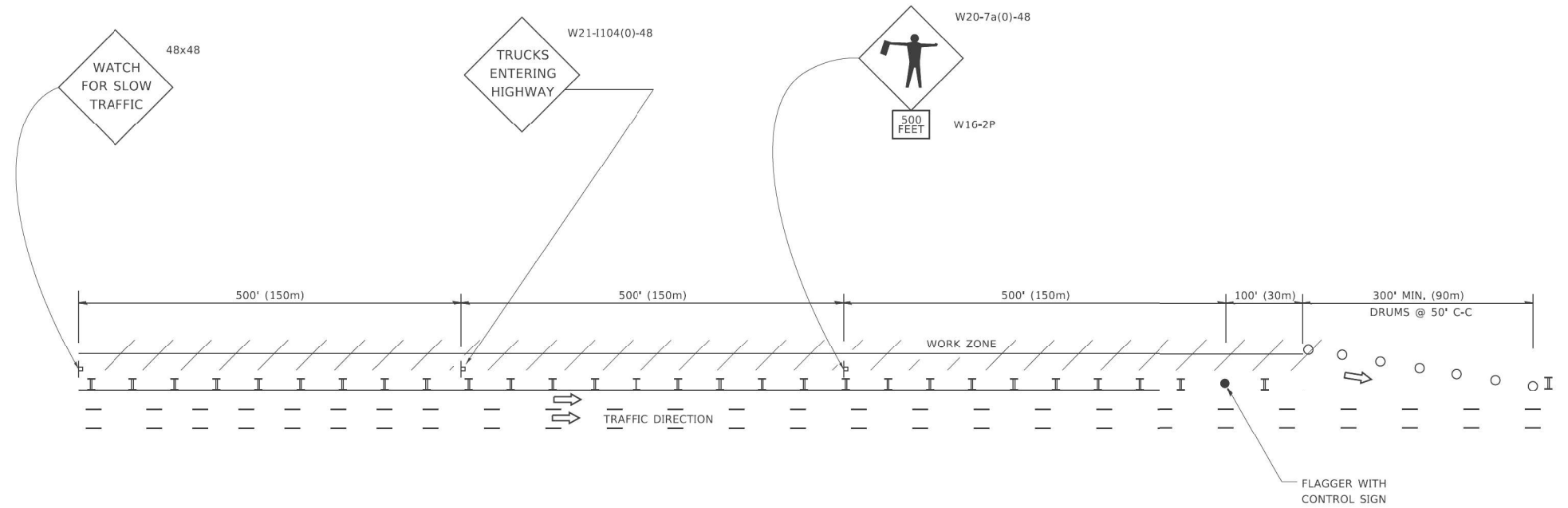
TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

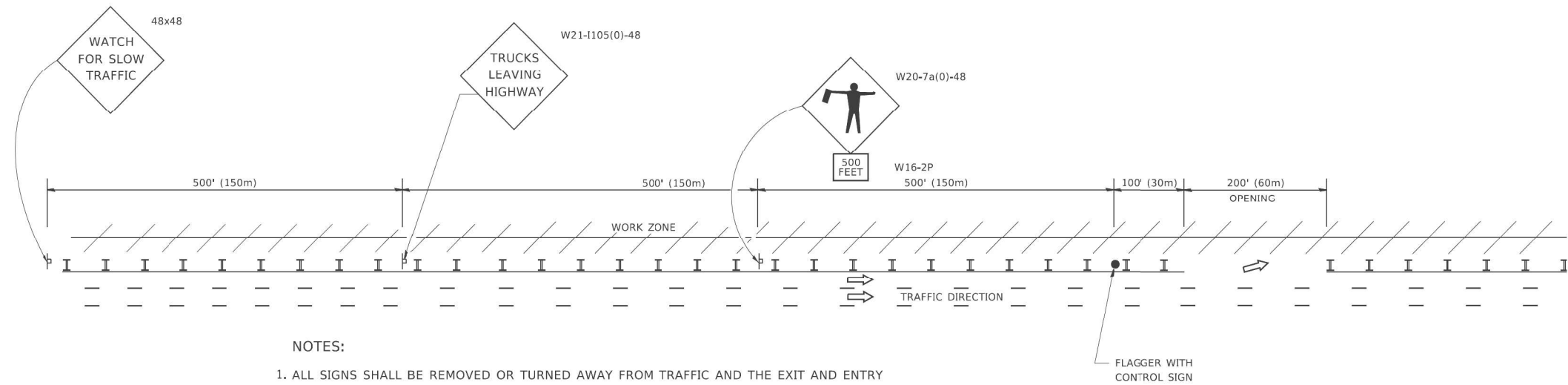
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	77
TC-17			CONTRACT NO. 62N08	
ILLINOIS FED. AID PROJECT				

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

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USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 02-06
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PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE -	REVISED - M.D.06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2020-239-BR	WILL	78	78
TC-18			CONTRACT NO. 62N08	
ILLINOIS FED. AID PROJECT				