

LEGEND

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| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

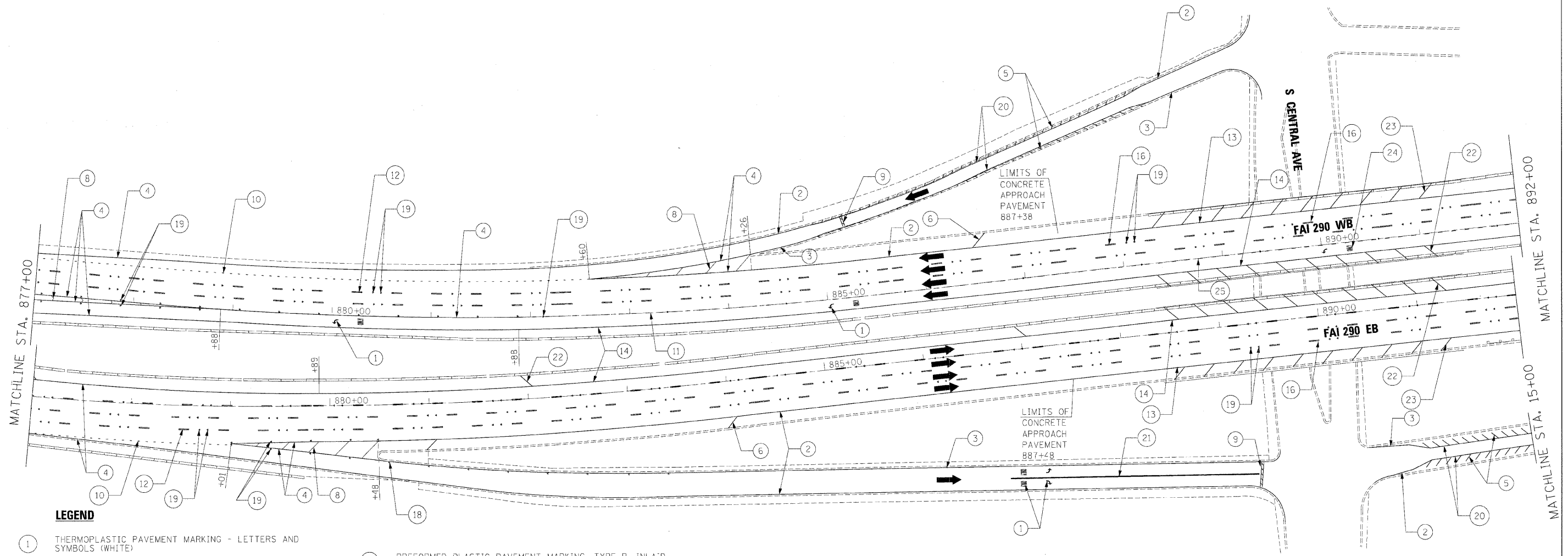
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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS STA 862+00 TO STA 877+00			
SCALE: 1"=50'	SHEET NO. 1 OF 24 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	101
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60G53				



LEGEND

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| <p>① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)</p> <p>③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE)</p> <p>④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE)</p> <p>⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS)</p> <p>⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)</p> <p>⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)</p> <p>⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)</p> <p>⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP)</p> | <p>⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP)</p> <p>⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP)</p> <p>⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE)</p> <p>⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE)</p> <p>⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE)</p> <p>⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP)</p> <p>⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)</p> <p>⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)</p> <p>⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE)</p> <p>⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE)</p> | <p>㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE)</p> <p>㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)</p> <p>㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)</p> <p>㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE)</p> <p>㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP)</p> <p>㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP)</p> |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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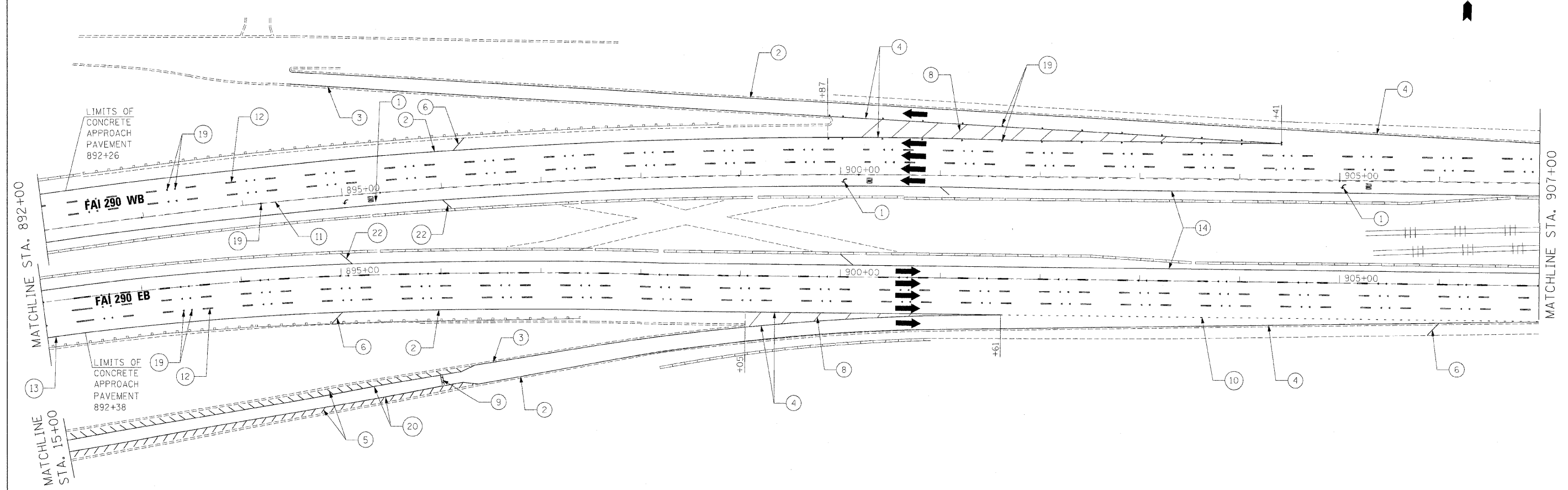
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 877+00 TO STA 892+00**

SCALE: 1"=50' SHEET NO. 2 OF 24 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031:JRS-6	COOK	185	102
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60653		



LEGEND

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|---|--|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE CORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉑ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

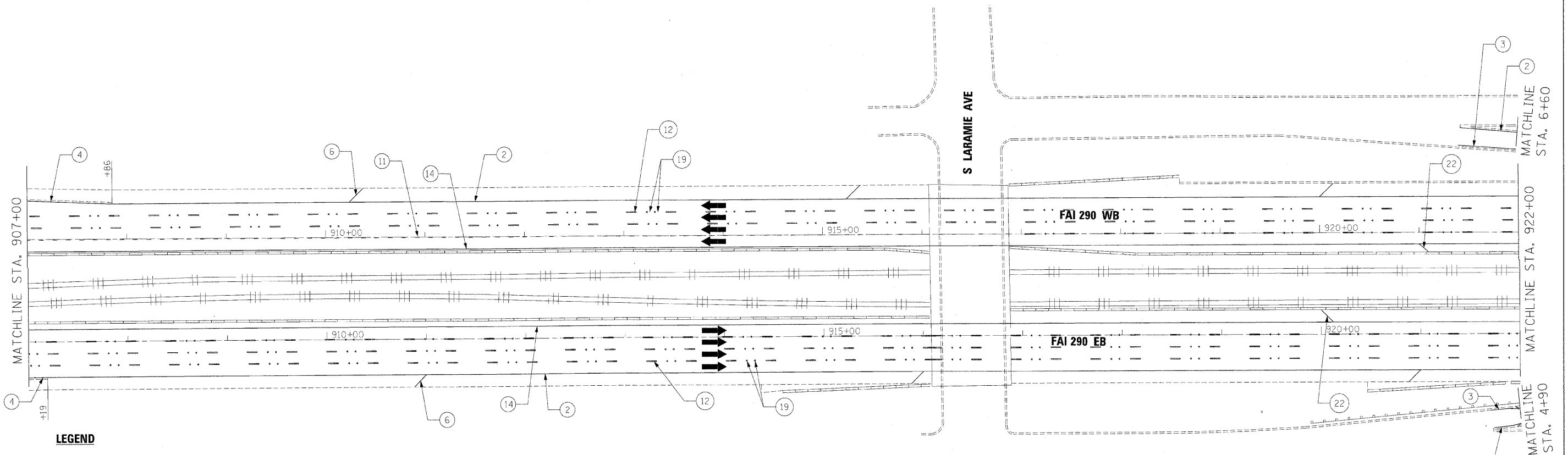
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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS	
STA 892+00 TO STA 907+00	
SCALE: 1"=50'	SHEET NO. 3 OF 24 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,URS-6	COOK	185	103
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60053		



LEGEND

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| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAVPS) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 3 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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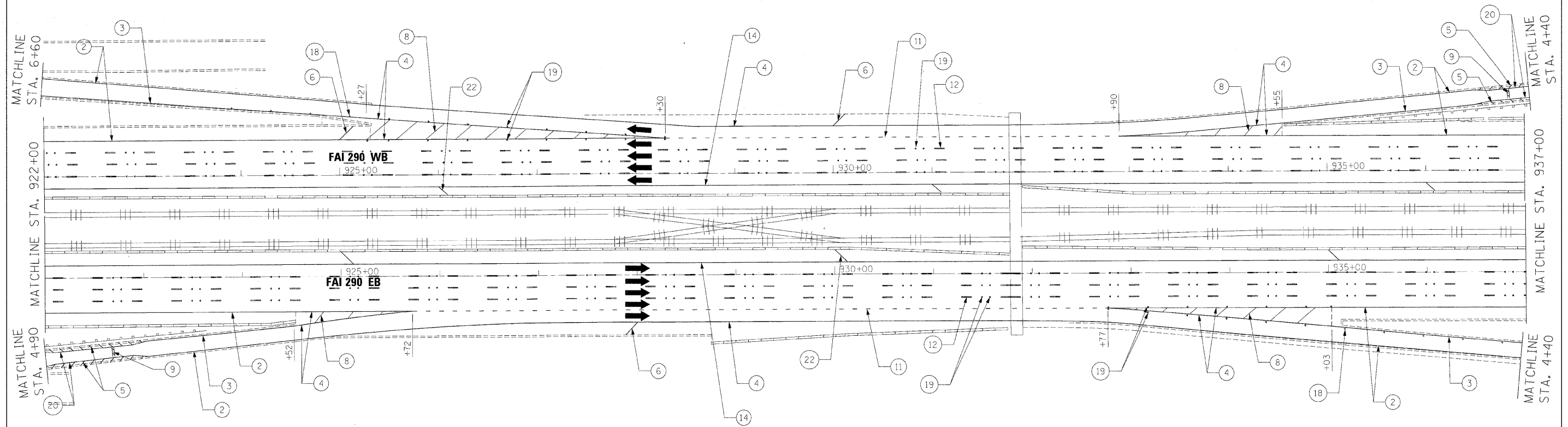
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 907+00 TO STA 922+00**

SCALE: 1"=50' SHEET NO. 4 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)RS-6	COOK	185	104
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60C53		



LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- (3) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE)
- (4) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (10) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP)
- (11) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP)
- (12) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP)
- (13) POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE)
- (14) POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE)
- (15) POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE)
- (16) POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP)
- (17) POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)
- (18) RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE)
- (19) RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- (20) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE)
- (21) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE)
- (22) POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)
- (23) POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)
- (24) POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE)
- (25) POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP)
- (26) POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP)

NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
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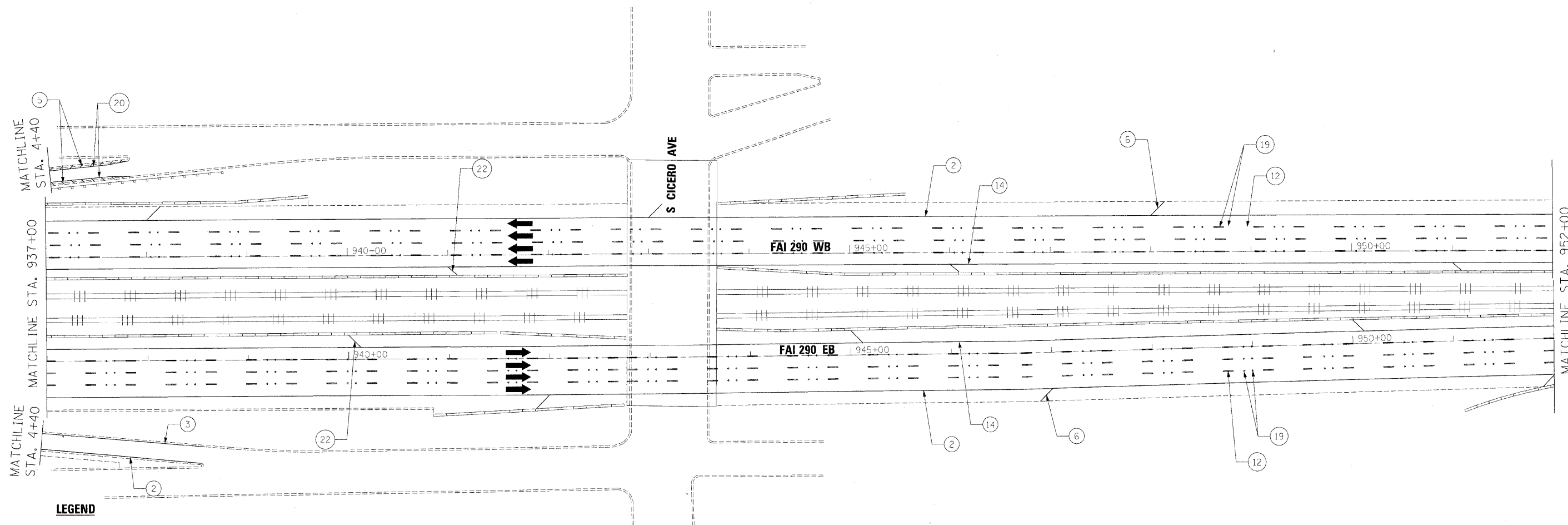
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 922+00 TO STA 937+00**

SCALE: 1"=50' SHEET NO. 5 OF 24 SHEETS STA. TO STA.

F.A.T. R.F.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	105
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60653	



LEGEND

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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
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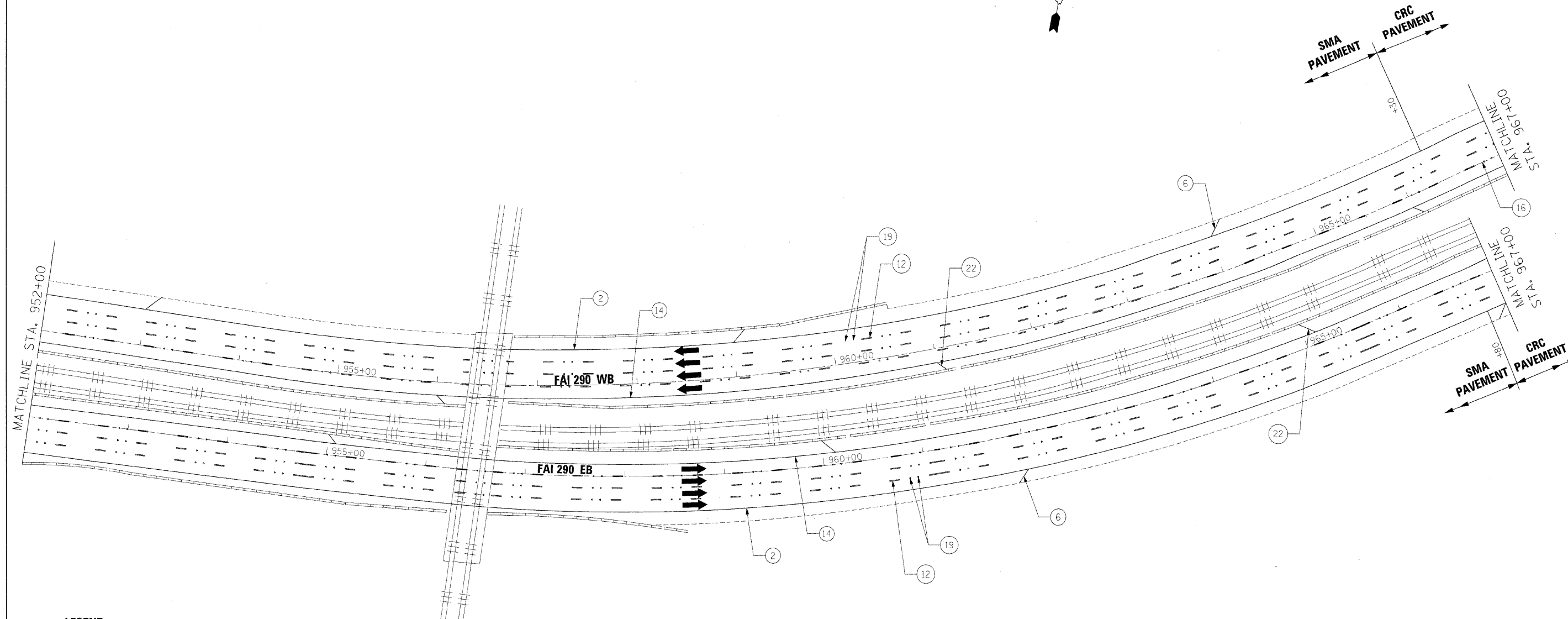
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 937+00 TO STA 952+00**

SCALE: 1"=50' SHEET NO. 6 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	106
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C53	



LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉑ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
|---|--|---|

NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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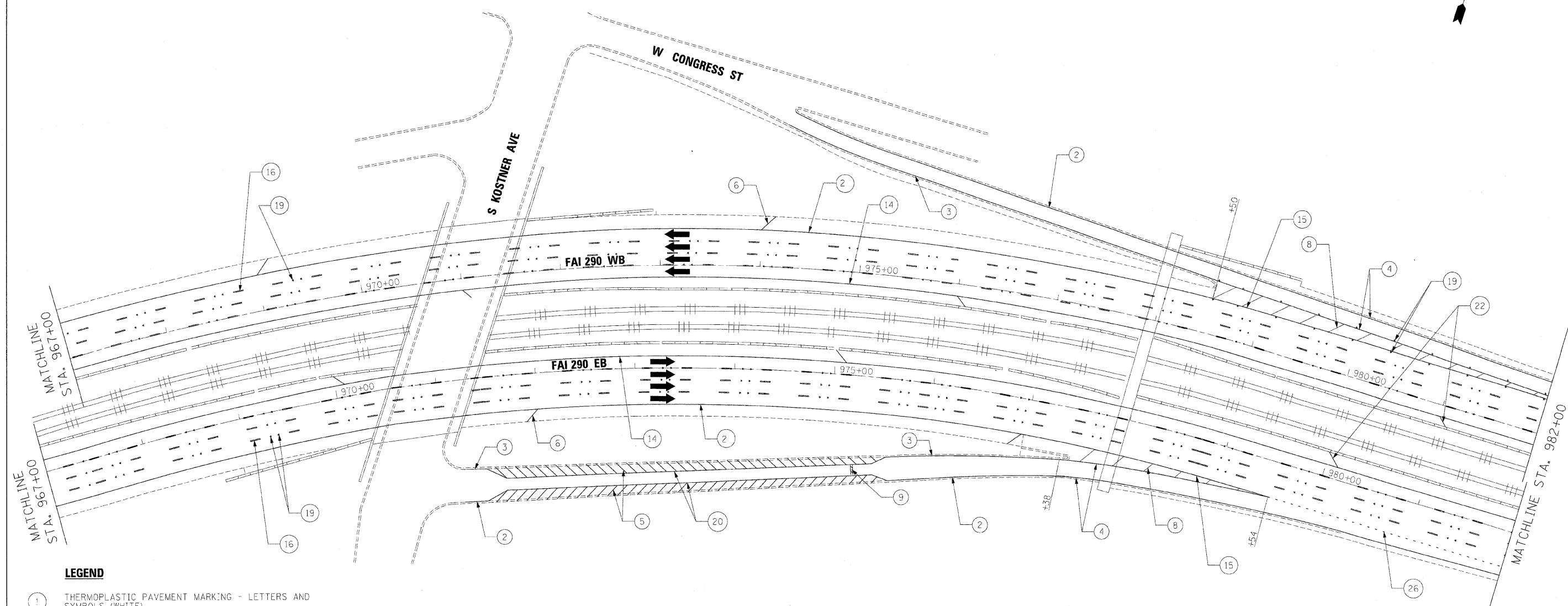
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 952+00 TO STA 967+00**

SCALE: 1"=50' SHEET NO. 7 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.IRS-6	COOK	185	107
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	



LEGEND

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> 1 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) 4 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) 5 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) 6 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) 9 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) 10 PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> 11 PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) 12 PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) 13 POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) 14 POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) 15 POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) 16 POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) 17 POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) 18 RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) 19 RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) 20 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> 21 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) 22 POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) 23 POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) 24 POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) 25 POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) 26 POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

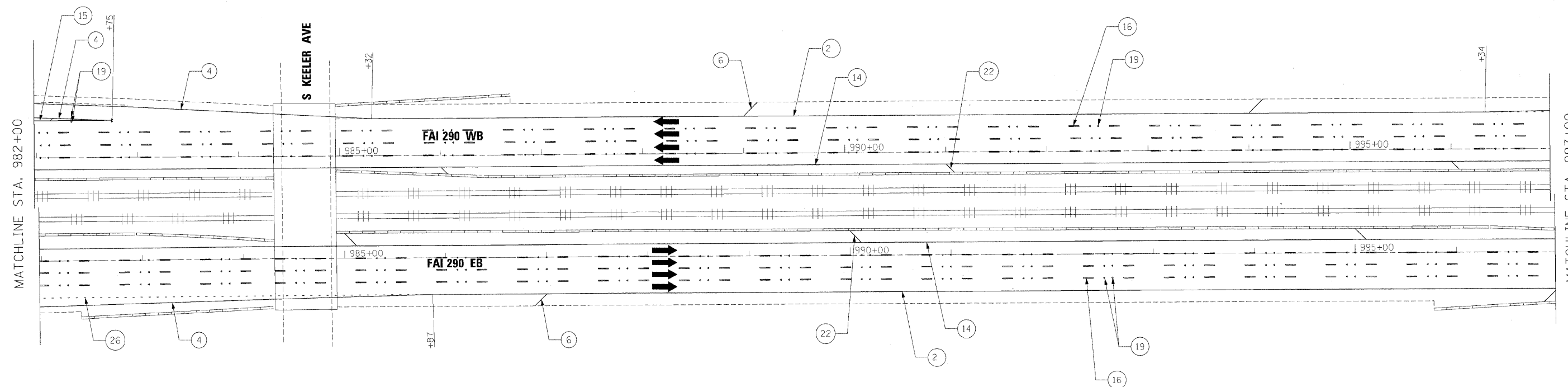
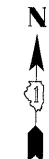
**PAVEMENT MARKING PLANS
STA 967+00 TO STA 982+00**

SCALE: 1"=50' SHEET NO. 8 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)RS-6	COOK	185	108
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60C53	

NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.



LEGEND

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|---|--|---|
| ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) | ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) | ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) |
| ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) | ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) |
| ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) | ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) | ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) |
| ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) | ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) | ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) |
| ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) | ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) |
| ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) | ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) | ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) |
| ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) | ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) | ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
| ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) | ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) | |
| ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) | |
| ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | |

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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 982+00 TO STA 997+00**

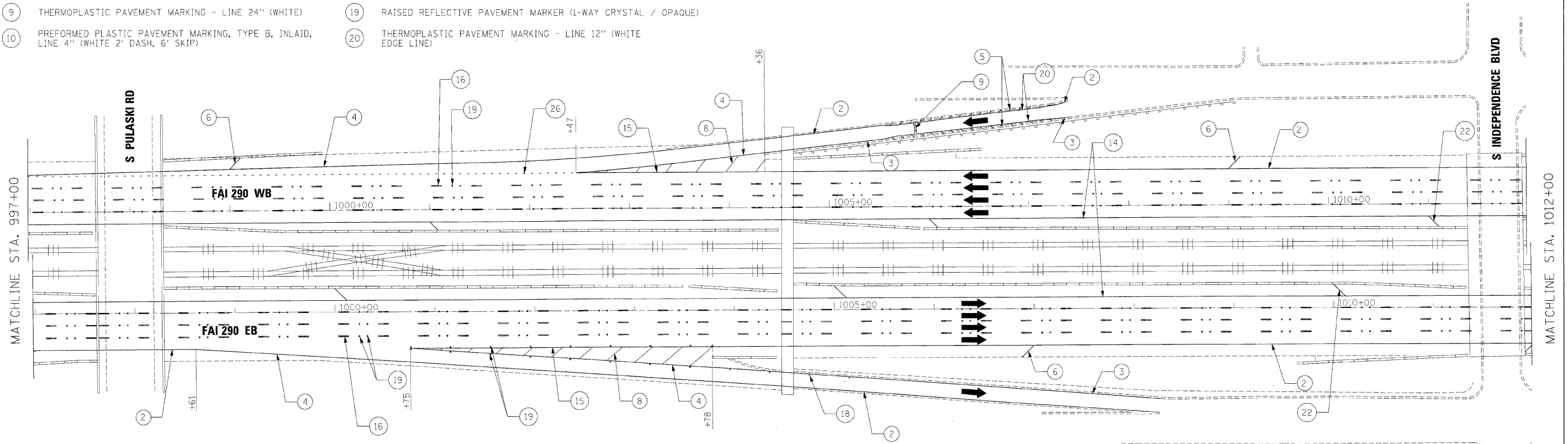
SCALE: 1"=50' SHEET NO. 9 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.IRS-6	COOK	185	109
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP)
- ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP)
- ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE)
- ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE)
- ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE)
- ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)
- ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE)
- ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE)

- ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE)
- ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)
- ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)
- ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE)
- ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP)
- ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP)



NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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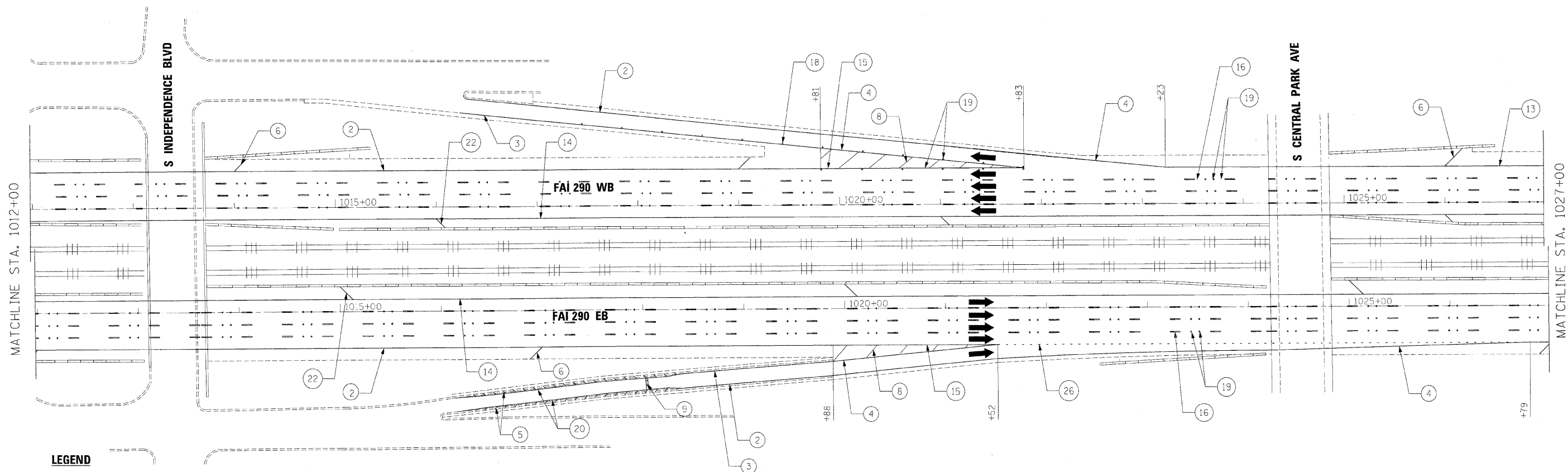
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 997+00 TO STA 1012+00**

SCALE: 1"=50' SHEET NO. 10 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	110
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉑ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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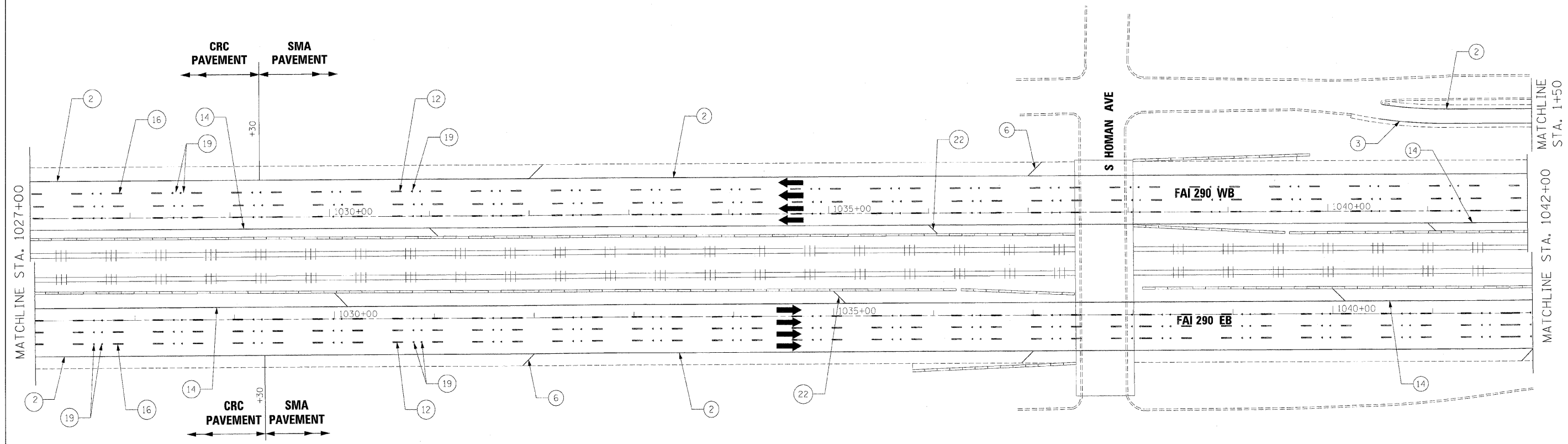
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1012+00 TO STA 1027+00**

SCALE: 1"=50' SHEET NO. 11 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.IRS-6	COOK	185	111
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60653



LEGEND

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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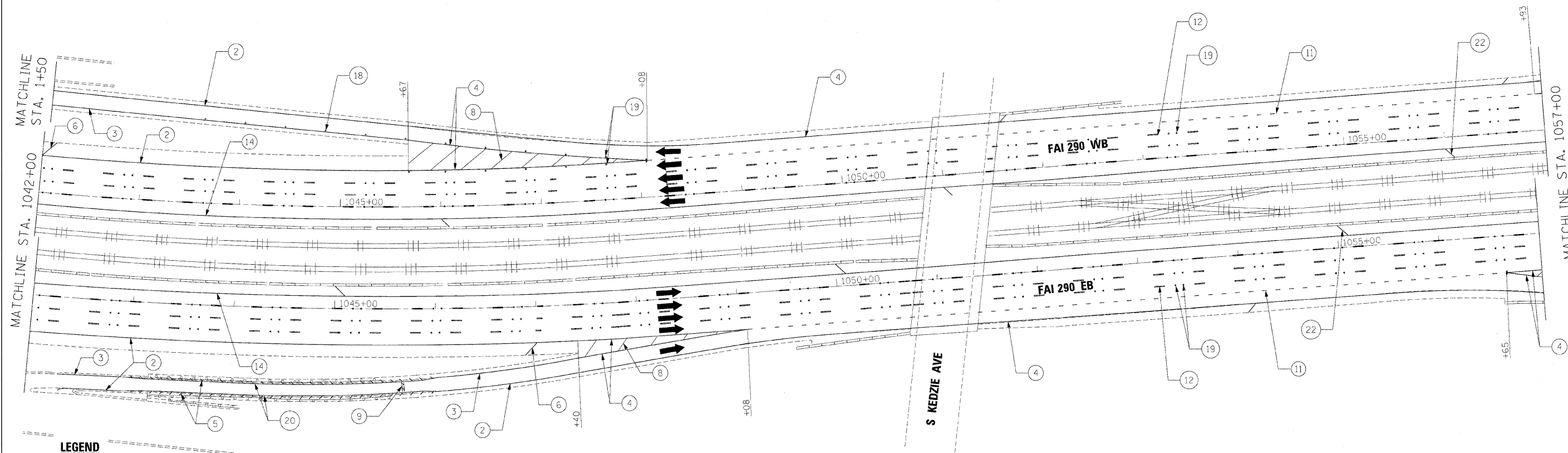
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1027+00 TO STA 1042+00**

SCALE: 1"=50' SHEET NO. 12 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	112
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60653	



LEGEND

- | | | |
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| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉑ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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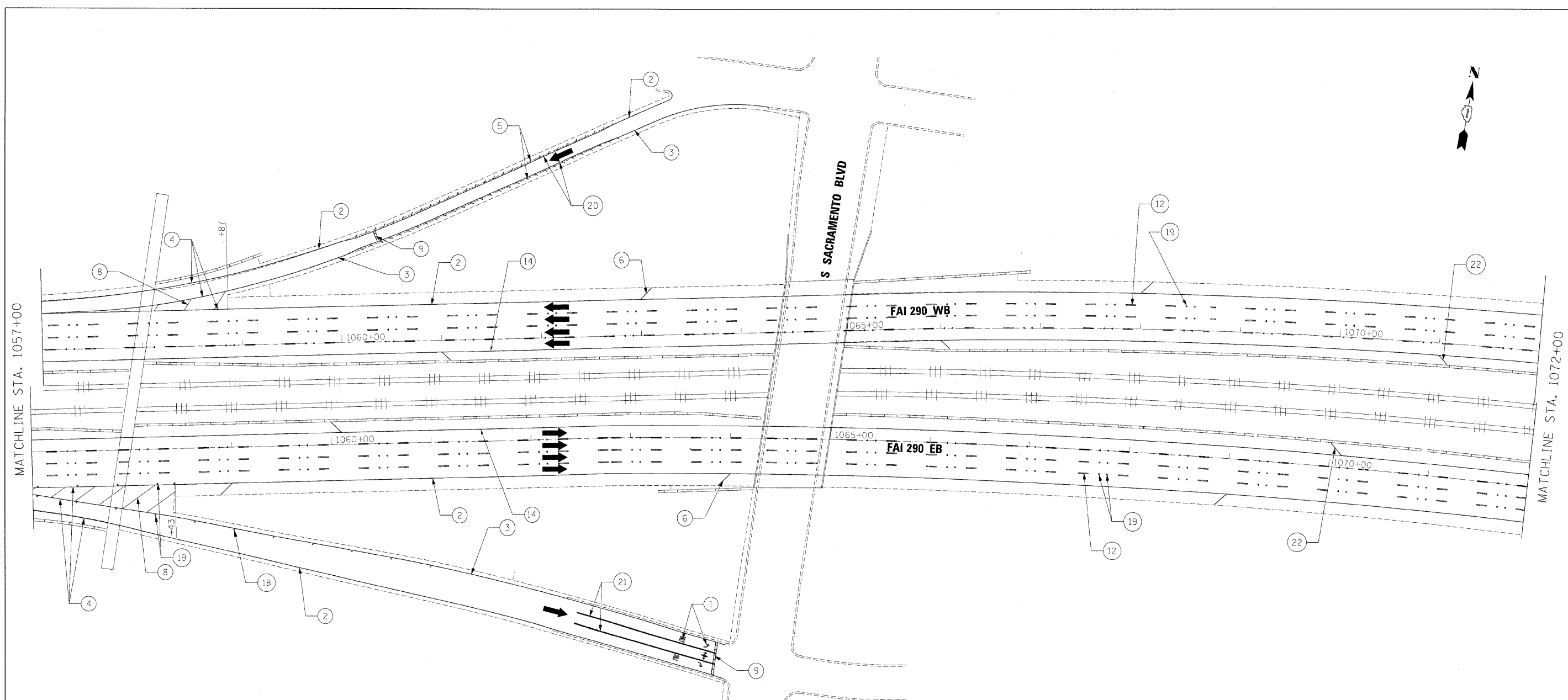
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1042+00 TO STA 1057+00**

SCALE: 1"=50' SHEET NO. 13 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031);RS-6	COOK	185	113
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



LEGEND

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| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAVPS) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAVPS) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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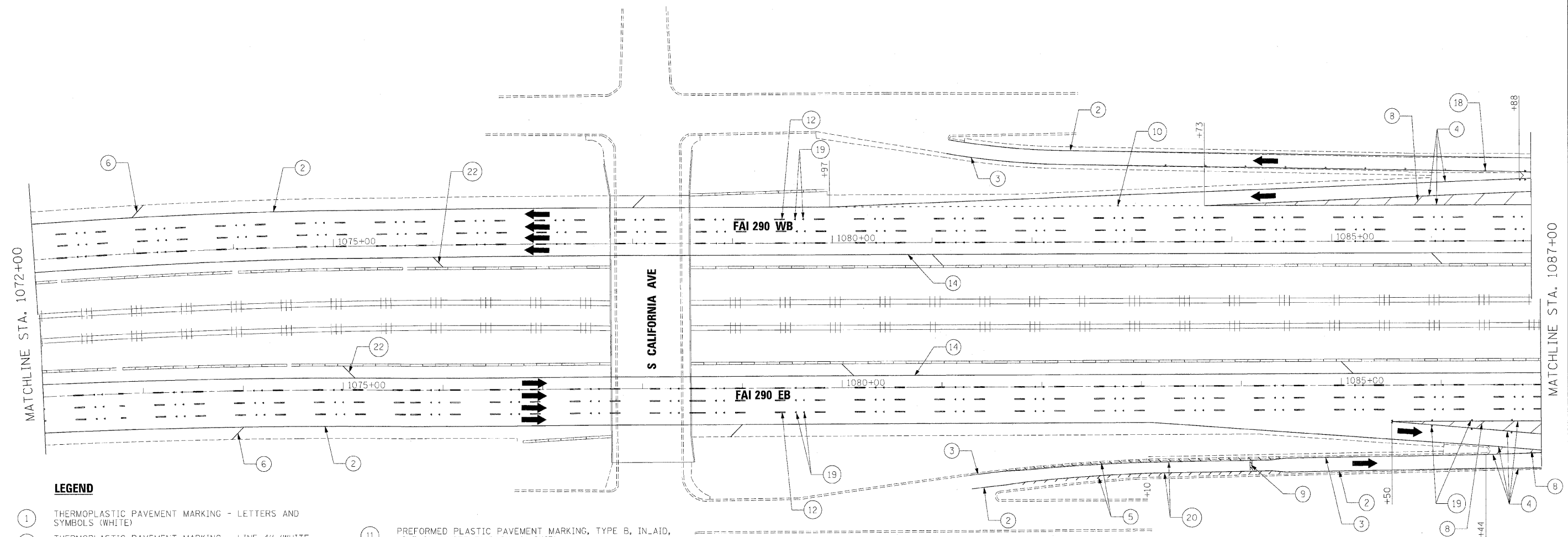
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1057+00 TO STA 1072+00**

SCALE: 1"=50' SHEET NO. 14 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
290	(2828B,D, ETC., 3031, IRS-6	COOK	185	114
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



LEGEND

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| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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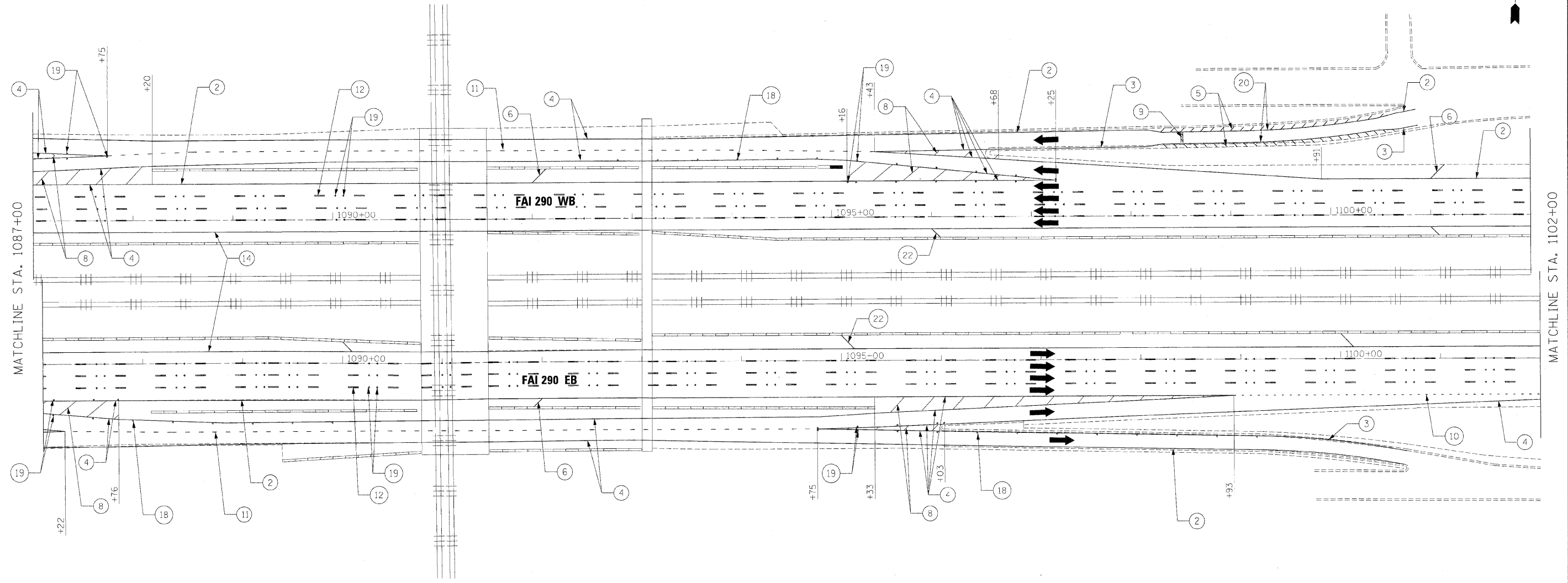
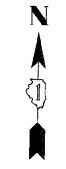
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1072+00 TO STA 1087+00**

SCALE: 1"=50' SHEET NO. 15 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,IRS-6	COOK	185	115
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



LEGEND

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| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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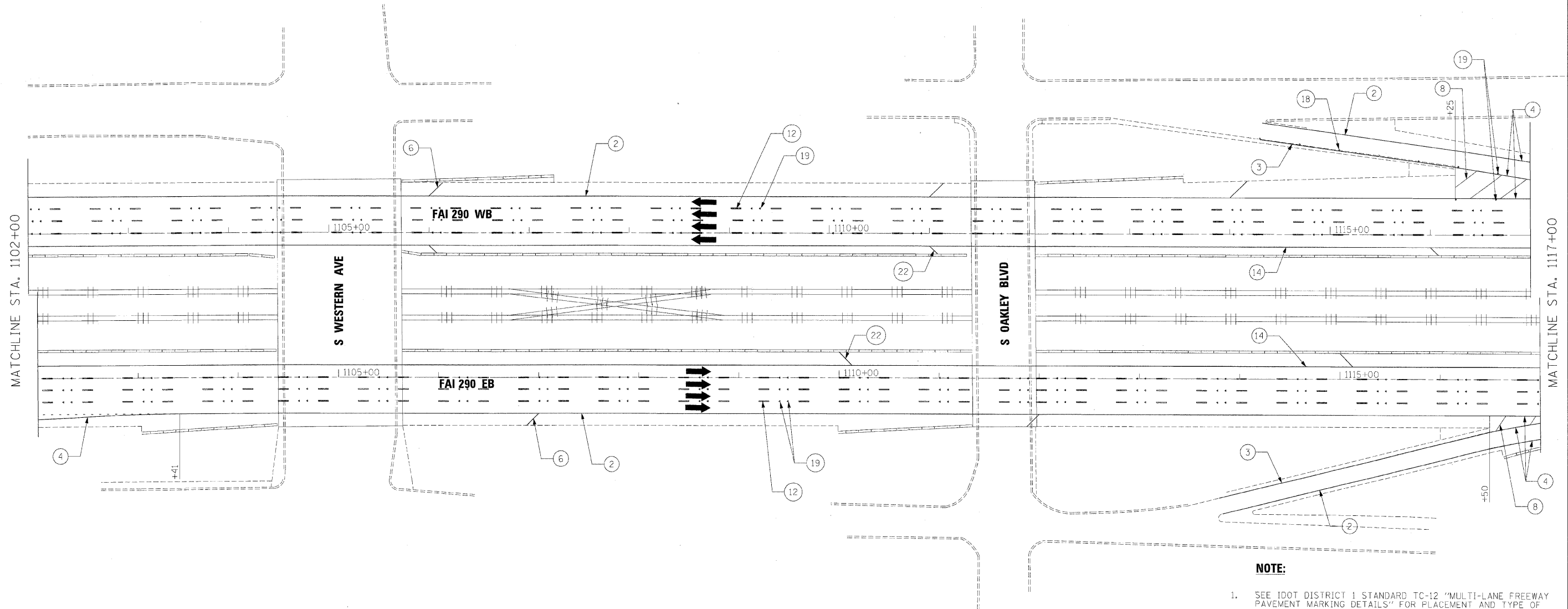
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS			
STA 1087+00 TO STA 1102+00			
SCALE: 1"=50'	SHEET NO. 16 OF 24 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,IRS-6	COOK	185	116
FED. ROAD DIST. NO.			CONTRACT NO. 60G53	
ILLINOIS			FED. AID PROJECT	

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CORE DIAGONALS SPACED @ 30' CENTERS)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP)
- ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP)
- ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE)
- ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE)
- ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE)
- ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE CORE DIAGONALS SPACED @ 30' CENTERS)
- ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE)
- ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE)
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- ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE)
- ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP)
- ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP)



NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

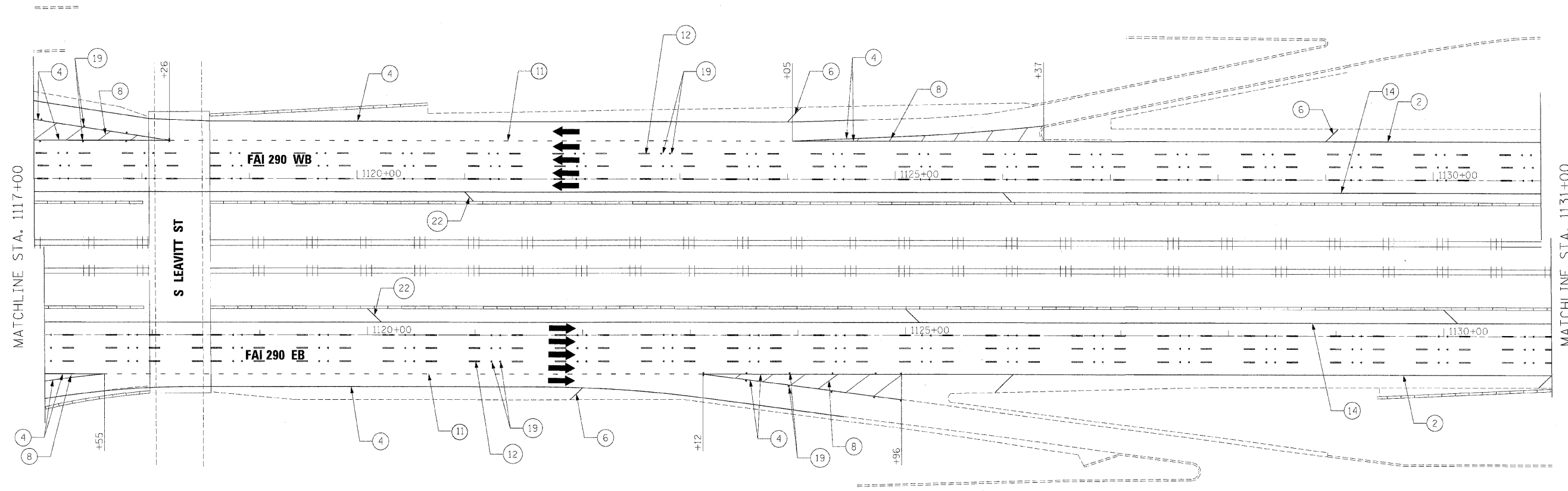
**PAVEMENT MARKING PLANS
STA 1102+00 TO STA 1117+00**

SCALE: 1"=50' SHEET NO. 17 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D, ETC., 3031.I)RS-6	COOK	185	117
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	

NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.



LEGEND

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| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
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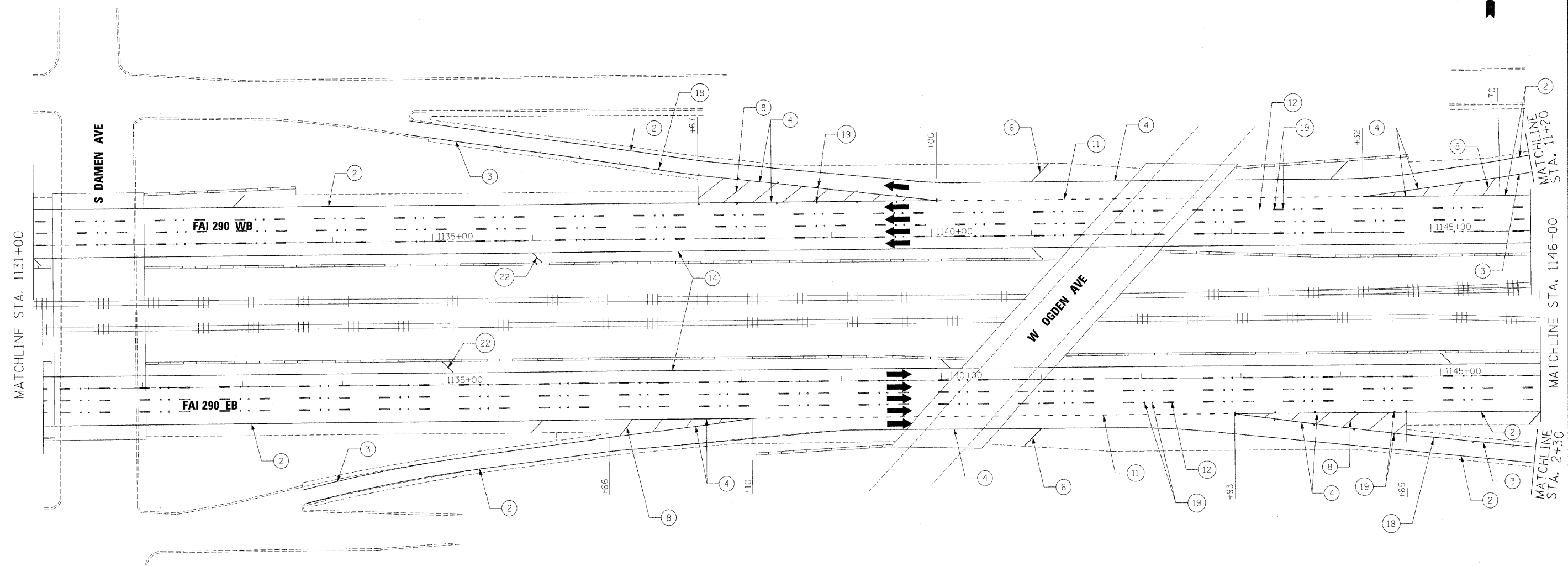
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1117+00 TO STA 1131+00**

SCALE: 1"=50' SHEET NO. 18 OF 24 SHEETS STA. TO STA.

F.A.I. RTE. 290	SECTION (2828B.D, ETC., 3031.1)RS-6	COUNTY COOK	TOTAL SHEETS 185	SHEET NO. 118
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60653				



LEGEND

- | | | |
|---|--|---|
| ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) | ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) | ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) |
| ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) | ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) |
| ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) | ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) | ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) |
| ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) | ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) | ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) |
| ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) | ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) |
| ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) | ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) | ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) |
| ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) | ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) | ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
| ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) | ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) | |
| ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) | |
| ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | |

NOTE:

- SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
- FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
- SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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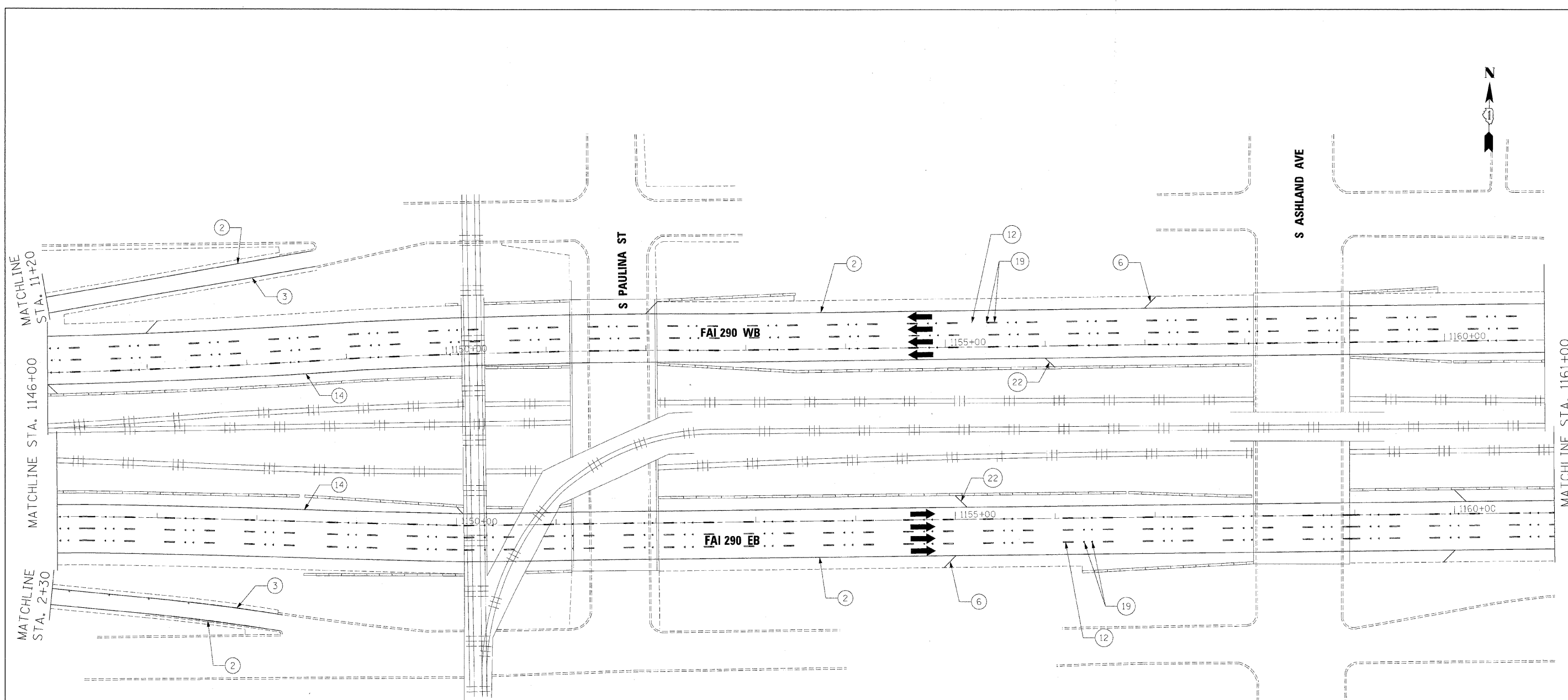
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1131+00 TO STA 1146+00**

SCALE: 1"=50' SHEET NO. 19 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031, IRS-6	COOK	185	119
CONTRACT NO. 60653			ILLINOIS FED. AID PROJECT	



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP)
- ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP)
- ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE)
- ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE)
- ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE)
- ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)
- ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE)
- ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE)
- ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE)
- ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)
- ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)
- ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE)
- ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP)
- ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP)

NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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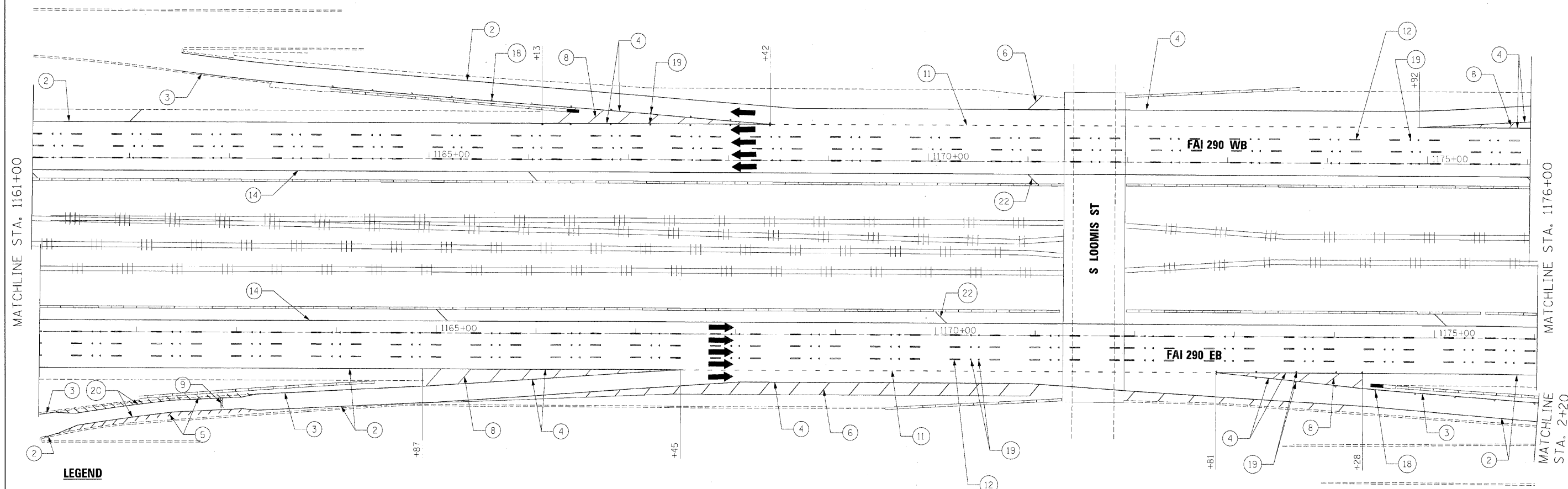
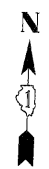
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1146+00 TO STA 1161+00**

SCALE: 1"=50' SHEET NO. 20 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031:IRS-6	COOK	185	120
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMP) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
|---|--|---|

NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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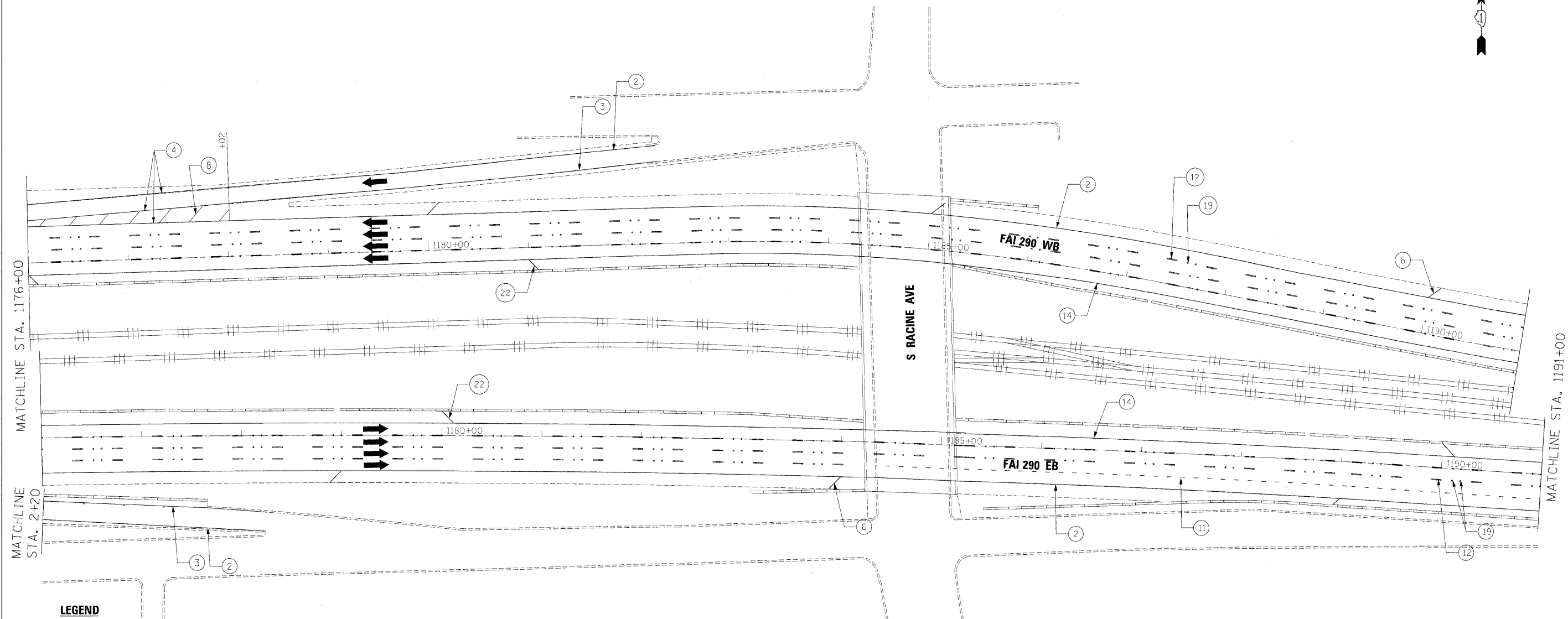
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1161+00 TO STA 1176+00**

SCALE: 1"=50' SHEET NO. 21 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)RS-6	COOK	185	121
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



LEGEND

- | | | |
|--|---|--|
| <p>① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)</p> <p>③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE)</p> <p>④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE)</p> <p>⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS)</p> <p>⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAVPS)</p> <p>⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAVPS)</p> <p>⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)</p> <p>⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP)</p> | <p>⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP)</p> <p>⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP)</p> <p>⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE)</p> <p>⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE)</p> <p>⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE)</p> <p>⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP)</p> <p>⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS)</p> <p>⑱ RAISED REFLECTIVE PAVEVENT MARKER (1-WAY YELLOW / OPAQUE)</p> <p>⑲ RAISED REFLECTIVE PAVEVENT MARKER (1-WAY CRYSTAL / OPAQUE)</p> <p>⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE)</p> | <p>㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE)</p> <p>㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)</p> <p>㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES)</p> <p>㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE)</p> <p>㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP)</p> <p>㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP)</p> |
|--|---|--|

NOTE:

- SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
- FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
- SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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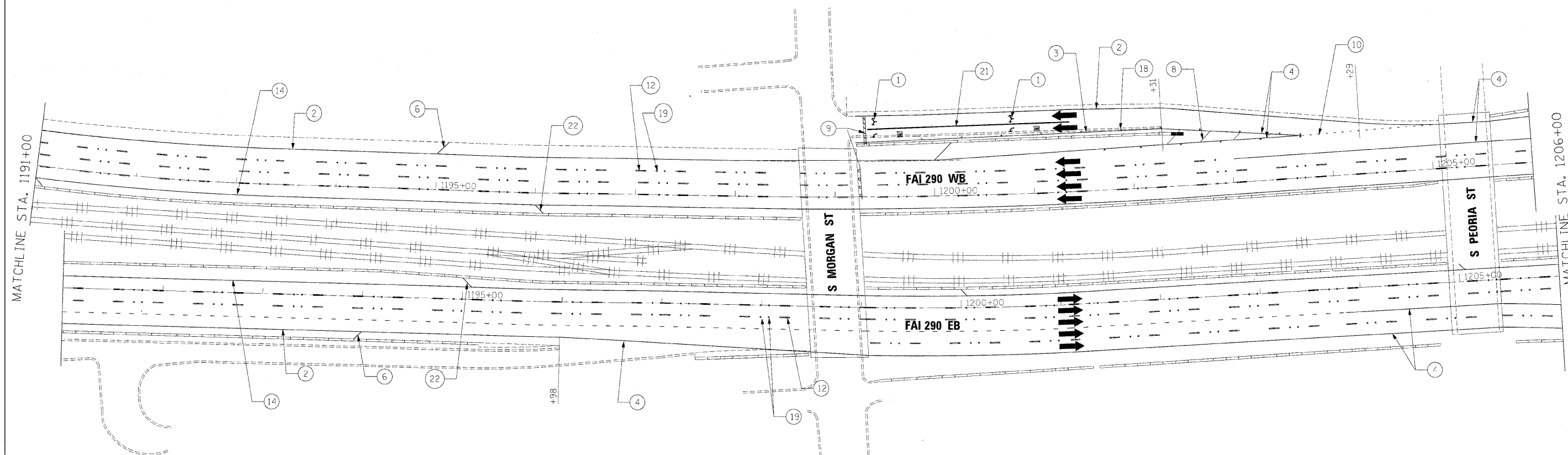
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
STA 1176+00 TO STA 1191+00**

SCALE: 1"=50' SHEET NO. 22 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	122
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



LEGEND

- | | | |
|--|--|---|
| ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) | ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) | ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) |
| ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) | ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) |
| ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) | ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) | ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) |
| ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) | ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) | ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) |
| ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) | ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) |
| ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) | ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10' DASH, 30' SKIP) | ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) |
| ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) | ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) | ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
| ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) | ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) | |
| ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) | |
| ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | |

NOTE:

- SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
- FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
- SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

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benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

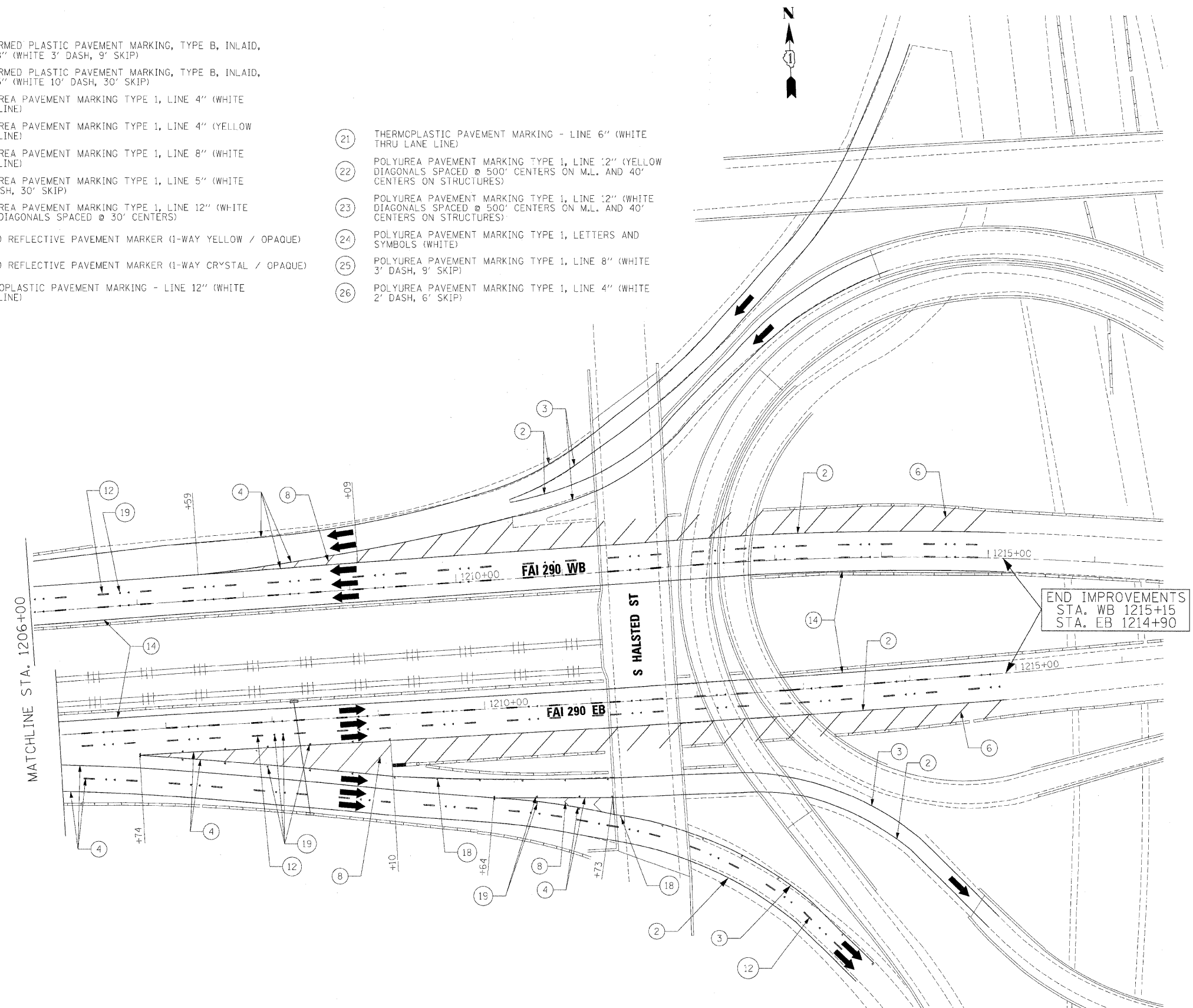
**PAVEMENT MARKING PLANS
STA 1191+00 TO STA 1206+00**

SCALE: 1"=50' SHEET NO. 23 OF 24 SHEETS STA. TO STA.

F.A.I. RIE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)RS-6	COOK	185	123
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW EDGE LINE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE EDGE LINE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE DIAGONALS SPACED @ 10' CENTERS) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 150' CENTERS ON RAMPS) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 4" (WHITE 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 8" (WHITE 3' DASH, 9' SKIP) ⑫ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID, LINE 5" (WHITE 10' DASH, 30' SKIP) ⑬ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE EDGE LINE) ⑭ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (YELLOW EDGE LINE) ⑮ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE EDGE LINE) ⑯ POLYUREA PAVEMENT MARKING TYPE 1, LINE 5" (WHITE 10" DASH, 30' SKIP) ⑰ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE GORE DIAGONALS SPACED @ 30' CENTERS) ⑱ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY YELLOW / OPAQUE) ⑲ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE EDGE LINE) | <ul style="list-style-type: none"> ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE THRU LANE LINE) ㉒ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (YELLOW DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉓ POLYUREA PAVEMENT MARKING TYPE 1, LINE 12" (WHITE DIAGONALS SPACED @ 500' CENTERS ON M.L. AND 40' CENTERS ON STRUCTURES) ㉔ POLYUREA PAVEMENT MARKING TYPE 1, LETTERS AND SYMBOLS (WHITE) ㉕ POLYUREA PAVEMENT MARKING TYPE 1, LINE 8" (WHITE 3' DASH, 9' SKIP) ㉖ POLYUREA PAVEMENT MARKING TYPE 1, LINE 4" (WHITE 2' DASH, 6' SKIP) |
|---|--|---|



NOTE:

1. SEE IDOT DISTRICT 1 STANDARD TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS" FOR PLACEMENT AND TYPE OF RAISED REFLECTIVE PAVEMENT MARKERS.
2. FOR PROPOSED PAVEMENT MARKINGS IN THE PCC SECTIONS, USE POLYUREA PAVEMENT MARKINGS ACCORDING TO STANDARD TC-12.
3. SEE ROADWAY PLANS FOR LIMITS OF RESURFACING.

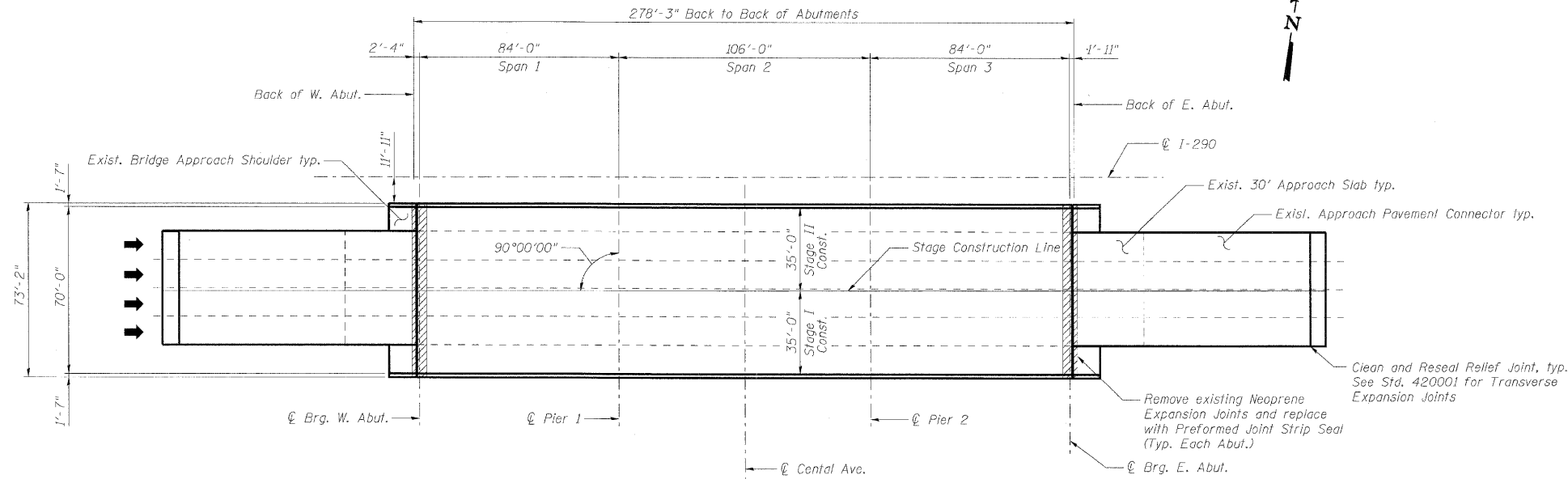
FILE NAME =	DESIGNED - CAG	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLANS STA 1206+00 TO STA 1221+00	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...Np1p1n_ABC.C3_290.pvm.tmk.g_24.dgn	DRAWN - DMS	REVISED -				290	(2828B.D, ETC., 3031.I)RS-6	COOK	185	124
USER NAME = tblank	CHECKED - CAR	REVISED -				CONTRACT NO. 60653				
PLDT DATE = 12/15/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
		SCALE: 1"=50'				SHEET NO. 24 OF 24 SHEETS		STA. TO STA.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

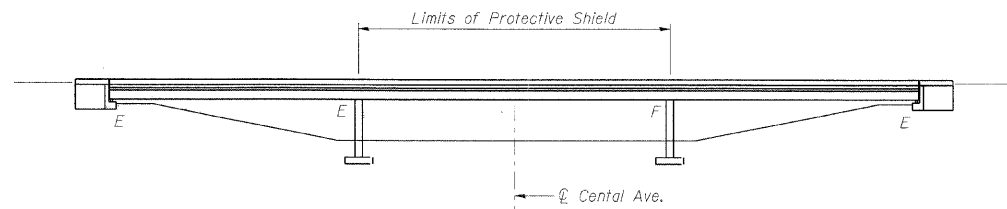
Existing Structure:
The structure is a three-span continuous, composite plate girder structure with a 7-inch reinforced concrete deck and a 2-inch concrete overlay. The original structure was built in 1957 as FAI Route 1, Section 062-3031.2-MFT. In 1983, the bridge was widened, patched and overlaid and the approach slabs, backwalls and expansion joints were reconstructed. In 1998, the expansion joints were reconstructed and the approach slabs were repaired.

Stage construction shall be utilized to maintain traffic during construction.

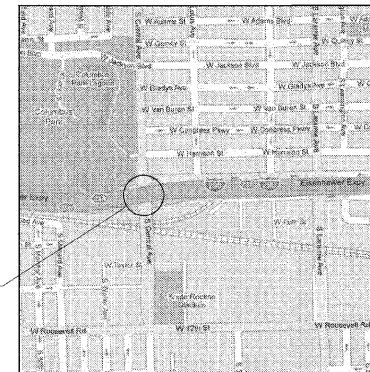
No salvage



PLAN



ELEVATION



LOCATION SKETCH

DESIGN SPECIFICATIONS

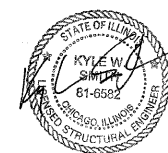
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi

SCOPE OF WORK

1. Repair bridge deck.
2. Repair approach slab.
3. Reconstruct deck joints at each abutment with preformed joint strip seal.
4. Clean and reseal relief joints at the ends of approach pavement connectors.
5. Apply concrete sealer to bridge deck, parapets, approach slabs, abutment seats and backwalls.



EXPIRATION DATE: 11-30-10
DATE: 11/16/09

**GENERAL PLAN AND ELEVATION
I-290 EB OVER CENTRAL AVENUE
COOK COUNTY
STATION 889+92
STRUCTURE NO. 016-0094**

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	RMG
CHECKED -	KWS

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 1 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	125
			CONTRACT NO. 60G53		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- 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.
- Concrete Sealer shall be applied to the bridge deck, parapets, approach slabs, abutment seats and abutment backwalls. All surfaces to be sealed shall be cleaned thoroughly prior to sealer application. Cost included with Concrete Sealer.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Stage construction shall be utilized to maintain traffic during construction.
- The Contractor shall exercise care during removal of existing joints to ensure that the slab, beams and diaphragms integrity will not be detrimentally impacted. The Contractor shall repair any damage(s) to the slab, beams and diaphragms caused by his operation as directed by the Engineer at no additional cost to the Department.
- Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

INDEX OF SHEETS

- General Plan and Elevation
- General Notes, Bill of Material and Index of Sheets
- Stage Construction Details
- Bridge Deck and Approach Slab Repairs
- Expansion Joint Repairs
- Expansion Joint Details
- Preformed Joint Strip Seal
- Bar Splicer Assembly Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	23.5		23.5
Protective Shield	Sq. Yd.	10		10
Concrete Superstructure	Cu. Yd.	23.5		23.5
Reinforcement Bars, Epoxy Coated	Pound	2,430		2,430
Bar Splicers	Each	22		22
Preformed Joint Strip Seal	Foot	144.0		144.0
Concrete Sealer	Sq. Ft.	24,536	790	25,326
Approach Slab Repair (Partial Depth)	Sq. Yd.	12.1		12.1
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5.0		5.0
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	5.0		5.0
Deck Slab Repair (Partial)	Sq. Yd.	5.0		5.0
Cleaning and Painting Exposed Rebar (Special)	Sq. Ft.	125		125
Clean and Reseal Relief Joint	Foot	96.0		96.0

**GENERAL NOTES, BILL OF MATERIAL
AND INDEX OF SHEETS
STRUCTURE NO. 016-0094**

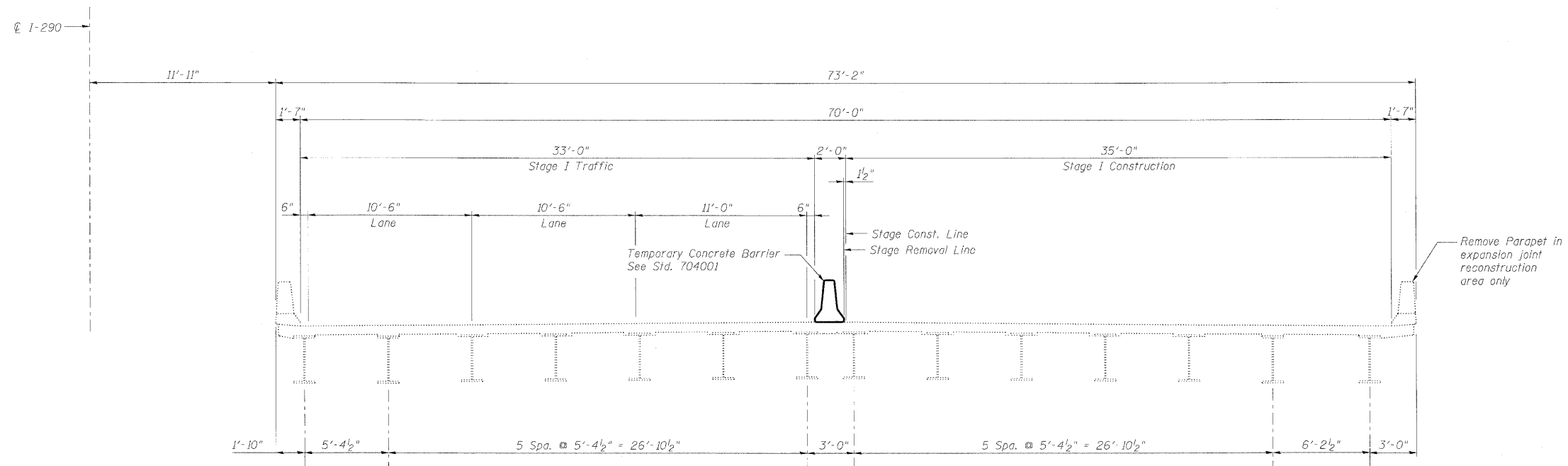
DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	VH
CHECKED -	KWS

benesch

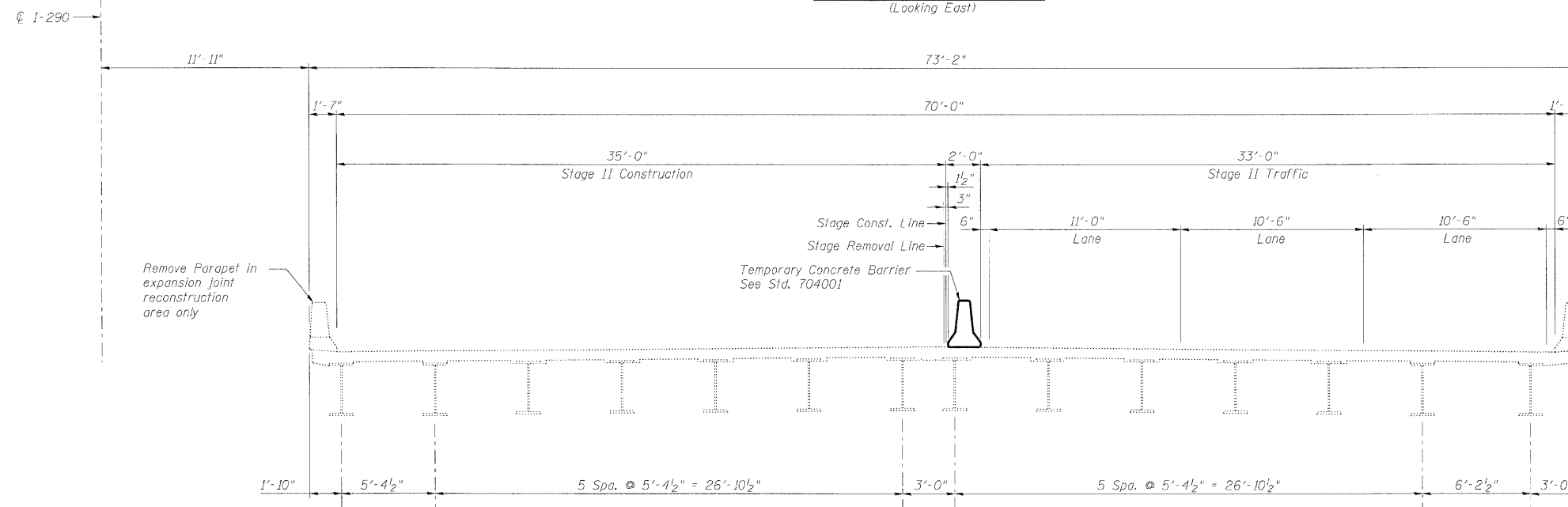
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 2 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	126
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STAGE I CROSS SECTION
(Looking East)



STAGE II CROSS SECTION
(Looking East)

Note:
For quantity of Temporary Concrete Barrier, see roadway plans.

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	VH
CHECKED -	KWS

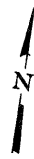
benesch

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Chicago, Illinois 60601
312-565-0450 Job No. 10050

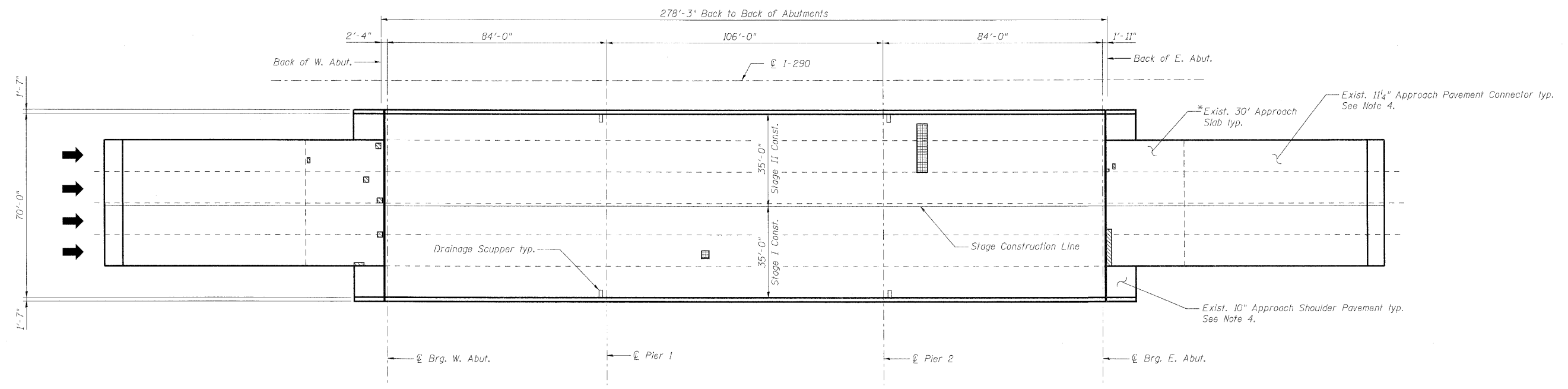
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	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	127
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 016-0094

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



* See Section B-B on Expansion Joint Details sheet for the location of the start of the 30' Approach Slab.

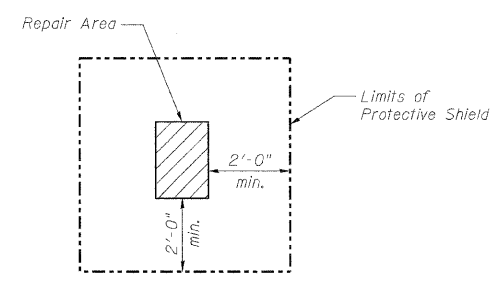


PLAN

BILL OF MATERIAL

SYMBOL	ITEM	UNIT	QUANTITY
	Deck Slab Repair (Partial)	Sq. Yd.	5:0 **
	Deck Slab Repair (Full Depth - Type I)	Sq. Yd.	5:0 **
	Deck Slab Repair (Full Depth - Type II)	Sq. Yd.	5:0 **
	Cleaning & Painting Exposed Rebar (Special)	Sq. Ft.	125
	Approach Slab Repair (Partial Depth)	Sq. Yd.	12.1
	Protective Shield	Sq. Yd.	10

** The quantity shown is provided as a contingency in the event the Resident Engineer determines that deck slab repair is required.



PROTECTIVE SHIELD DETAIL

Notes:

- Deck and approach slab repair areas are estimated based on visual inspection completed in June 2009. Actual repair areas and locations shall be determined by the Engineer and shown on As-Built plans.
- Protective Shield required for deck slab and/or parapet repairs shall be installed according to Article 501.03 of the Standard Specifications. For limits of Protective Shield, see Protective Shield Detail on this sheet and Elevation on General Plan and Elevation sheet.
- Deck drains (downspouts, floor drains and scuppers) shall be cleaned with the bridge deck prior to application of the Concrete Sealer. Cost of cleaning the deck drains is included with concrete sealer.
- The Engineer shall determine the type and quantity of Class A patching and the quantity of Mixture for Cracks, Joints and Flangeways. Estimated quantities are included in the overall Summary of Quantities in Roadway Plans.

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	RMG
CHECKED -	KWS

BRIDGE DECK
AND APPROACH SLAB REPAIRS
STRUCTURE NO. 016-0094

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Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 4 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 60G53		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

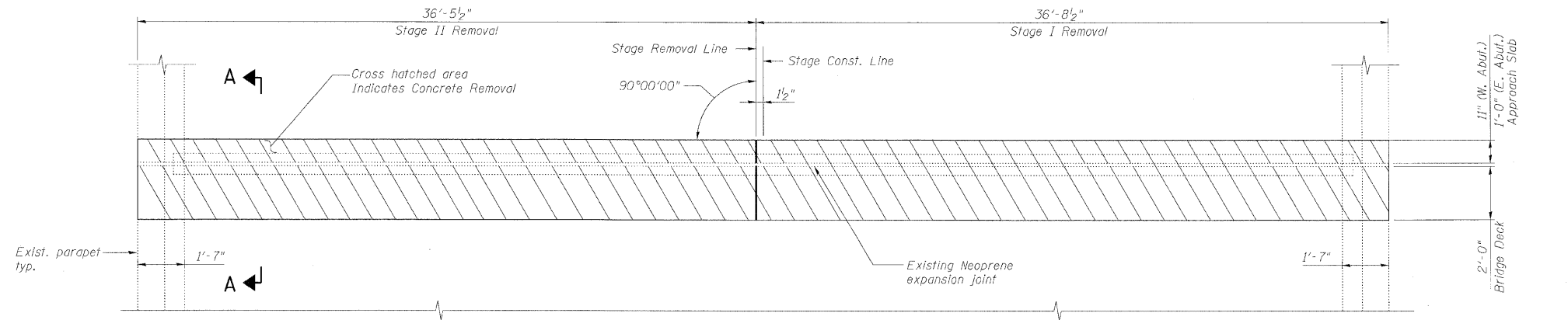
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

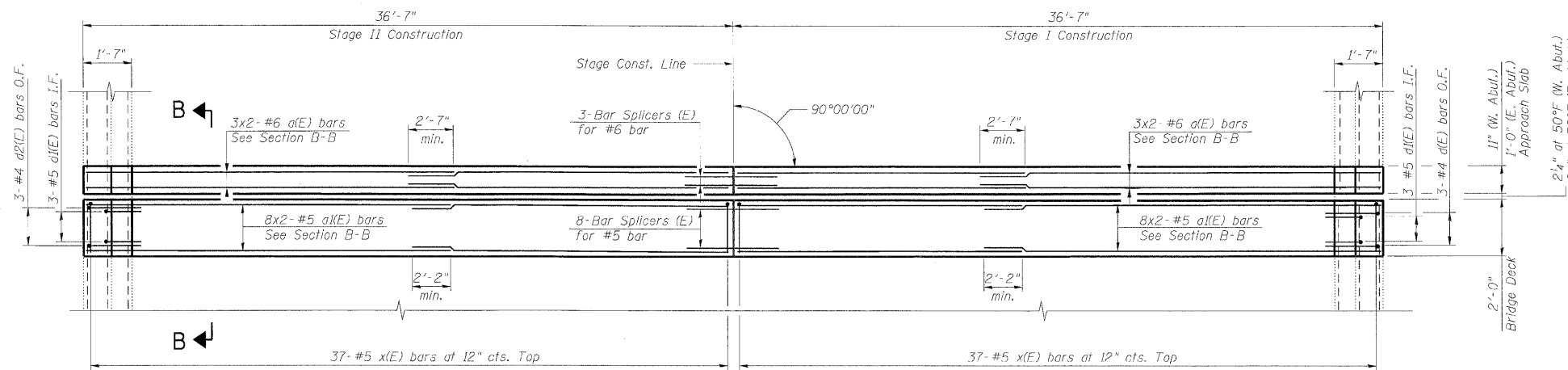


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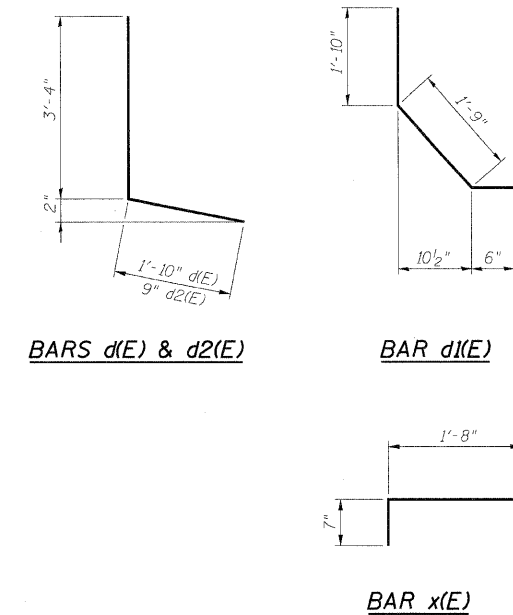
Bar	No.	Size	Length	Shape
a(E)	24	#6	19'-6"	—
a(E)	64	#5	19'-3"	—
d(E)	6	#4	5'-2"	└┘
d(E)	12	#5	4'-1"	└┘
d2(E)	6	#4	4'-1"	└┘
x(E)	148	#5	2'-3"	└┘
<hr/>				
Item	Unit	Total		
Concrete Removal	Cu. Yd.	23.5		
Concrete Superstructure	Cu. Yd.	23.5		
Reinforcement Bars, Epoxy Coated	Pound	2,430		



EXISTING PARTIAL PLAN AT EAST ABUTMENT
(Opposite Hand for West Abutment)



PROPOSED PARTIAL PLAN AT EAST ABUTMENT
(Opposite Hand for West Abutment)



Notes:

1. Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. I.F. denotes Inside Face.
O.F. denotes Outside Face.
3. Work this sheet with Expansion Joint Details sheet and Bar Splicer Assembly Details sheet.

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	VH
CHECKED -	KWS

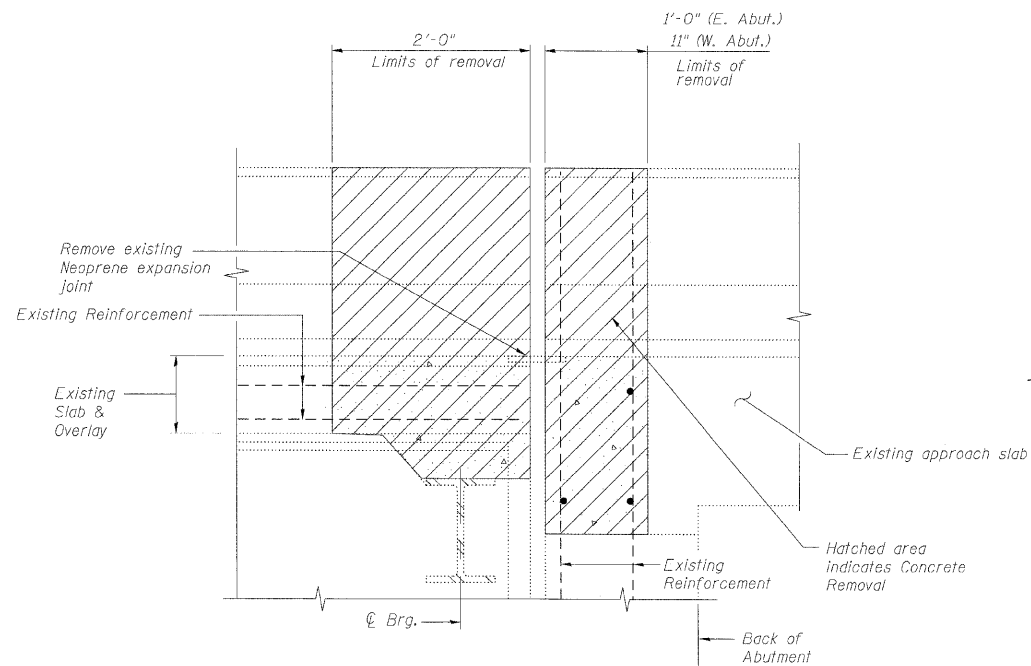
benesch

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Chicago, Illinois 60601
312-565-0450 Job No. 10050

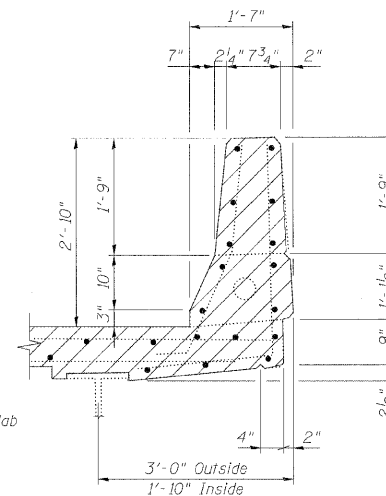
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	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	129
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					

EXPANSION JOINT REPAIRS
STRUCTURE NO. 016-0094

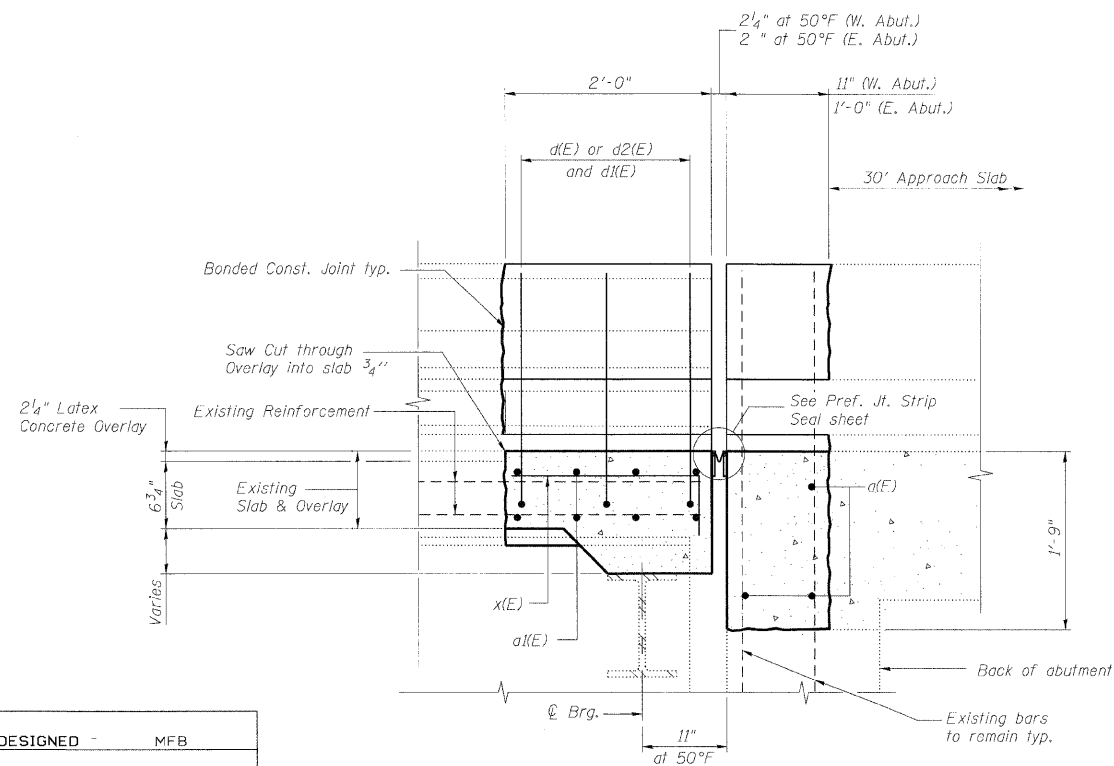
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



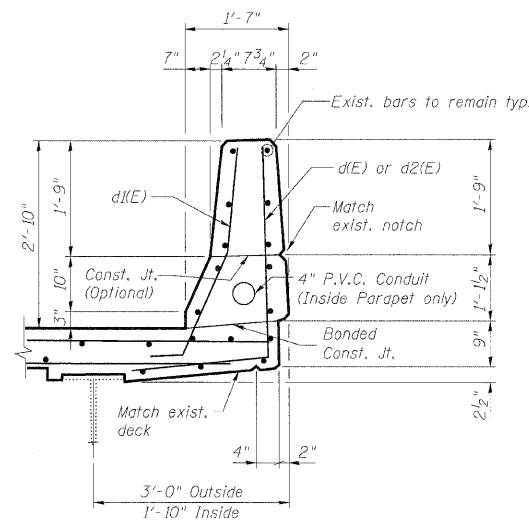
SECTION A-A



EXISTING PARAPET SECTION



SECTION B-B



PROPOSED PARAPET SECTION

Notes:

- Existing reinforcement bars extending into the concrete removal area shall be blast-cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be repaired or replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- Existing reinforcement bars in the concrete removal area parallel to the expansion joints shall be removed.
- Removal and disposal of the existing expansion joints will not be paid for separately, but shall be included with the cost of Concrete Removal.
- If existing name plate falls within the limits of Concrete Removal, it shall be removed and reinstalled in its original location in accordance with IDOT Std. 515001. Cost included with Concrete Superstructure.
- If existing guardrail and/or end shoe falls within the limits of Concrete Removal, they shall be removed and reinstalled in its original location in accordance with District 1 Std. BM-21. Cost included with Concrete Superstructure.
- The Contractor shall exercise extreme care with the existing conduits in sections of the parapet to be removed and shall protect and support the conduit. The Contractor will be required to repair any damage done to the conduit to the satisfaction of the Engineer at no additional cost to the Department. No splicing will be allowed to any cable damage resulting from this work, instead the Contractor will be required to repair the entire span of any damaged cable at no additional cost to the department.
- Work this sheet with Expansion Joint Repairs sheet.

DESIGNED	MFB
CHECKED	KWS
DRAWN	VH
CHECKED	KWS

**EXPANSION JOINT DETAILS
STRUCTURE NO. 016-0094**

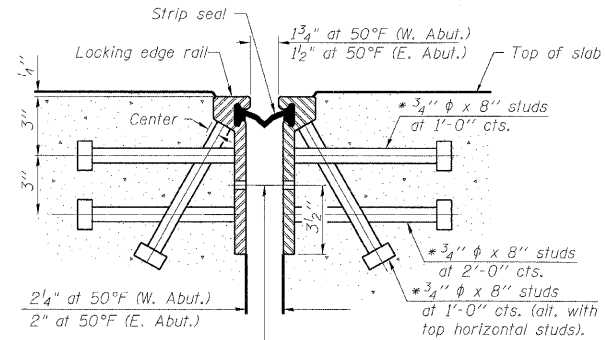
benesch

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205 North Michigan Avenue, Suite 2400
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312-565-0450 Job No. 10050

SHEET NO. 6 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	130
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					

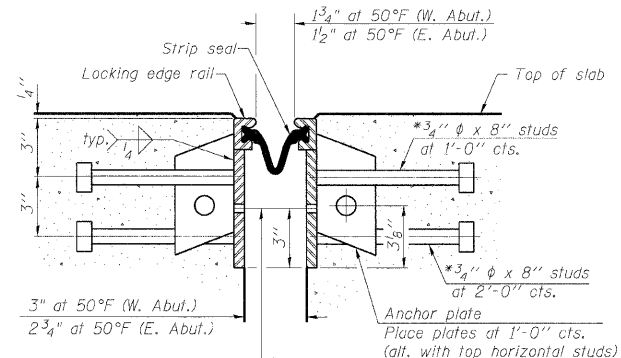
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
ROLLED RAIL JOINT



7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
WELDED RAIL JOINT

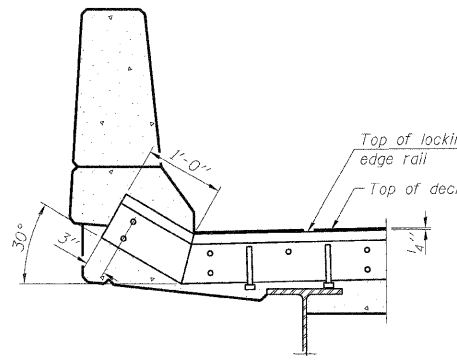
Notes:

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.

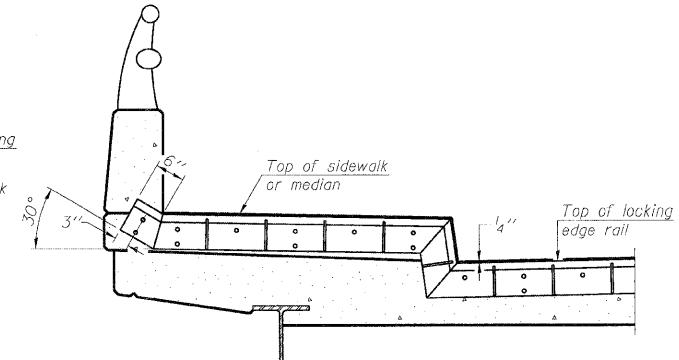
The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed. The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

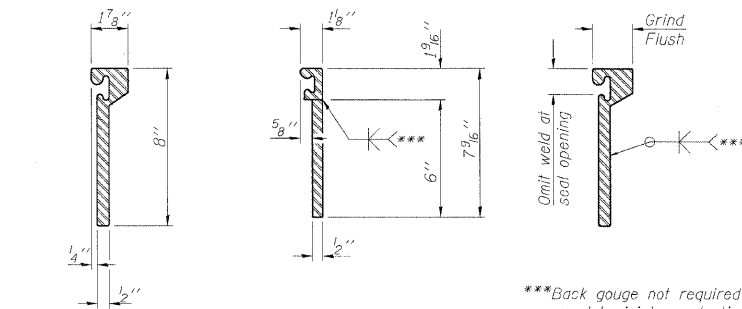


AT PARAPET



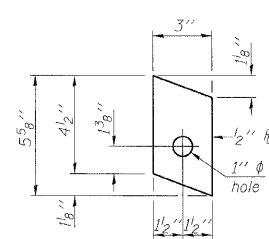
AT SIDEWALK OR MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



ROLLED
EXTRUDED RAIL WELDED RAIL

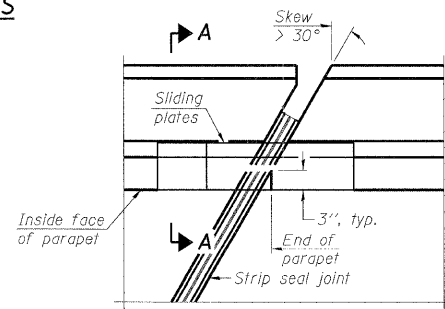
***Back gauge not required if complete joint penetration is verified by mock-up.



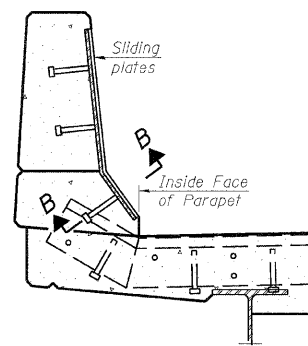
ANCHOR PLATE
(for welded rail)

LOCKING EDGE
RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.



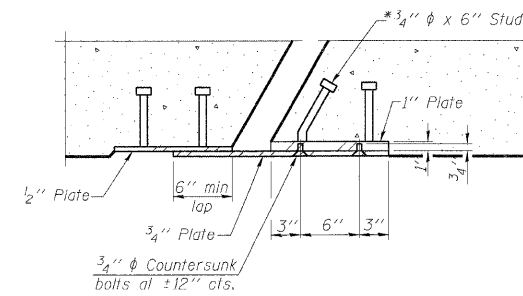
PLAN



SECTION A-A

POINT BLOCK DETAILS
(for skews > 30°)

TYPICAL END TREATMENTS



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	144

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 016-0094

DESIGNED	MFB
CHECKED	KWS
DRAWN	VH
CHECKED	KWS

EJ-SSJ

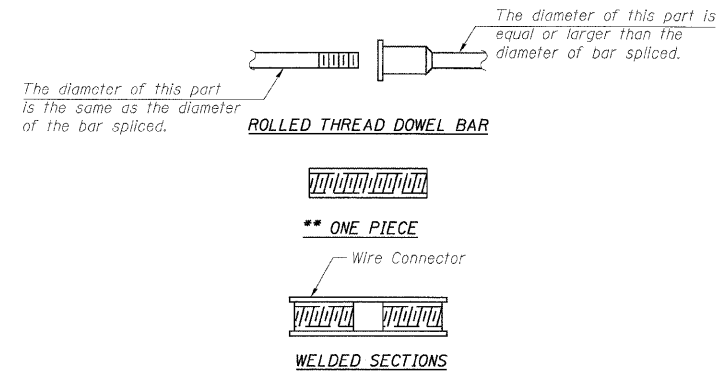
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312-565-0450 Job No. 10050

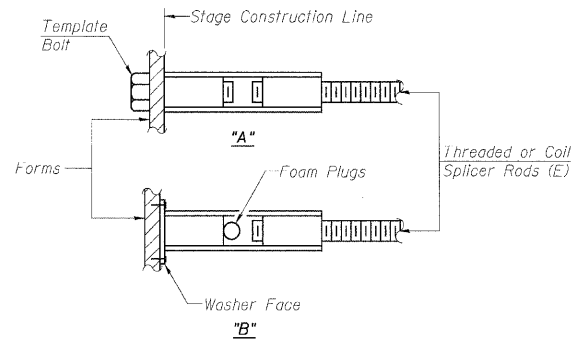
SHEET NO. 7 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031)RS-6	COOK	185	131
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 60G53		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

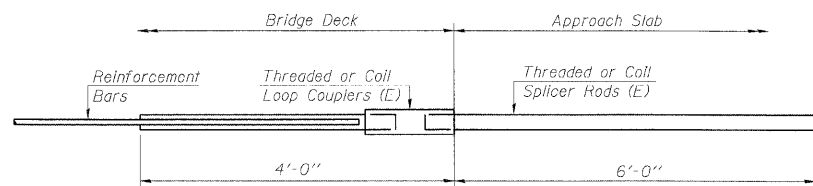
"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

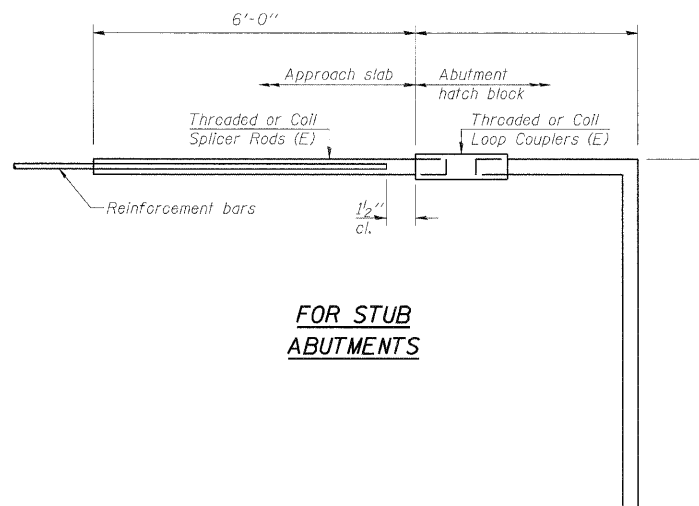
- ① Minimum Capacity = $1.25 \times f_y \times A_l$
(Tension in kips)
 - ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_l$
(Tension in kips)
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_l = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



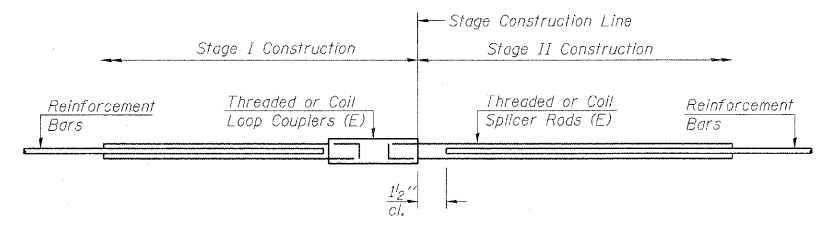
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	



FOR STUB ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	



STANDARD

Bar Size	No. Assemblies Required	Location
#5	16	Deck
#5	6	Deck

**BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO. 016-0094**

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	VH
CHECKED -	MFB

BSD-1

10-1-08

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312-565-0450 Job No. 10050

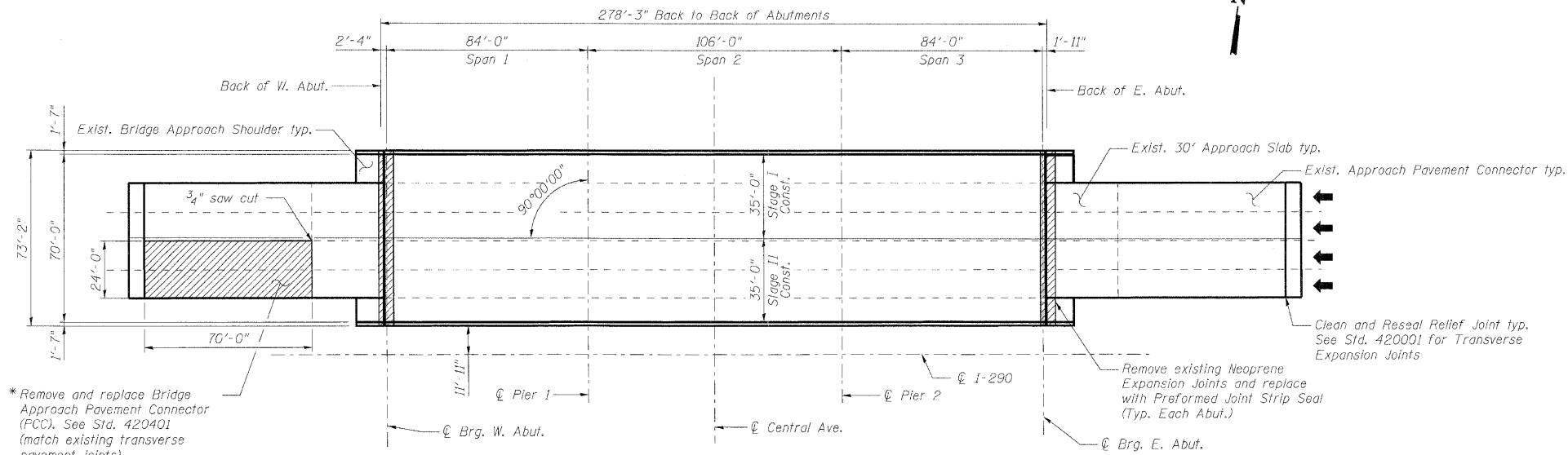
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	290	{2828 B,D, ETC., 3031.1}RS-6	COOK	185	132
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure:
The structure is a three-span continuous, composite plate girder structure with a 7-inch reinforced concrete deck and a 2-inch concrete overlay. The original structure was built in 1957 as FAI Route 1, Section 062-3031.2-MFT. In 1983, the bridge was widened, patched and overlaid and the approach slabs, backwalls and expansion joints were reconstructed. In 1998, the expansion joints were reconstructed and the approach slabs were repaired.

Stage construction shall be utilized to maintain traffic during construction.

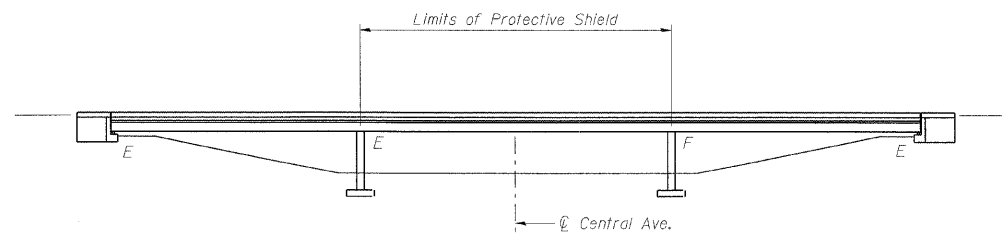
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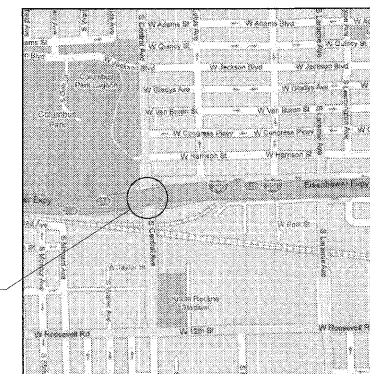
PLAN

* Remove and replace Bridge Approach Pavement Connector (FCC). See Std. 420401 (match existing transverse pavement joints)

* The existing reinforcement bars connecting the existing approach connector to the adjacent section of approach connector and to the 30' approach slab are to remain. Existing #5 tie bars are spaced at 2'-6" cts. along the longitudinal construction joint. The existing bottom longitudinal bars extending from the approach slab into the connector pavement are #5 bars at 12" cts. and extend 3'-0" into the connector pavement. The top bars are #4 bars at 7" cts. and can be cut off 3'-0" into the proposed connector pavement. Cost included in Bridge Approach Pavement Removal.



ELEVATION



LOCATION SKETCH

DESIGN SPECIFICATIONS

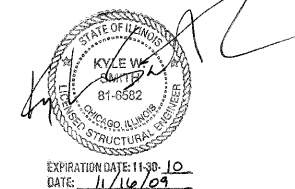
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

SCOPE OF WORK

1. Repair bridge deck.
2. Repair approach slab.
3. Reconstruct deck joints at each abutment with preformed joint strip seal.
4. Replace inside two lanes of west bridge approach pavement connector.
5. Clean and reseal relief joints at the ends of approach pavement connectors.
6. Apply concrete sealer to bridge deck, parapets, approach slabs, abutment seats and backwalls.



GENERAL PLAN AND ELEVATION
I-290 WB OVER CENTRAL AVENUE
COOK COUNTY
STATION 889+83
STRUCTURE NO. 016-0095

DESIGNED	MFB
CHECKED	KWS
DRAWN	RMG
CHECKED	KWS

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SHEET NO. 1 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	133
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60G53	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
4. 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.
5. Concrete Sealer shall be applied to the bridge deck, parapets, approach slabs, abutment seats and abutment backwalls. All surfaces to be sealed shall be cleaned thoroughly prior to sealer application. Cost included in Concrete Sealer.
6. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
7. Stage construction shall be utilized to maintain traffic during construction.
8. Deck drains (downspouts, floor drains and scuppers) shall be cleaned with the bridge deck prior to application of the Concrete Sealer. Cost of cleaning the deck drains is included with Concrete Sealer.
9. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes, Bill of Material and Index of Sheets
3. Stage Construction Details
4. Bridge Deck and Approach Slab Repairs
5. Expansion Joint Repairs
6. Expansion Joint Details
7. Preformed Joint Strip Seal
8. Bar Splicer Assembly Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Bridge Approach Pavement Connector (PCC)	Sq. Yd.	187		187
Pavement Reinforcement 11 1/4"	Sq. Yd.	187		187
Concrete Removal	Cu. Yd.	23.5		23.5
Protective Shield	Sq. Yd.	181		181
Concrete Superstructure	Cu. Yd.	23.5		23.5
Reinforcement Bars, Epoxy Coated	Pound	2,430		2,430
Bar Splicers	Each	22		22
Preformed Joint Strip Seal	Foot	144.0		144.0
Concrete Sealer	Sq. Ft.	24,536	790	25,326
Bridge Approach Pavement Removal	Sq. Yd.	187		187
Approach Slab Repair (Partial Depth)	Sq. Yd.	21.8		21.8
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5.0		5.0
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	23.3		23.3
Deck Slab Repair (Partial)	Sq. Yd.	140.0		140.0
Cleaning and Painting Exposed Rebar (Special)	Sq. Ft.	67		67
Clean and Reseal Relief Joint	Foot	72.0		72.0

**GENERAL NOTES, BILL OF MATERIAL
AND INDEX OF SHEETS
STRUCTURE NO. 016-0095**

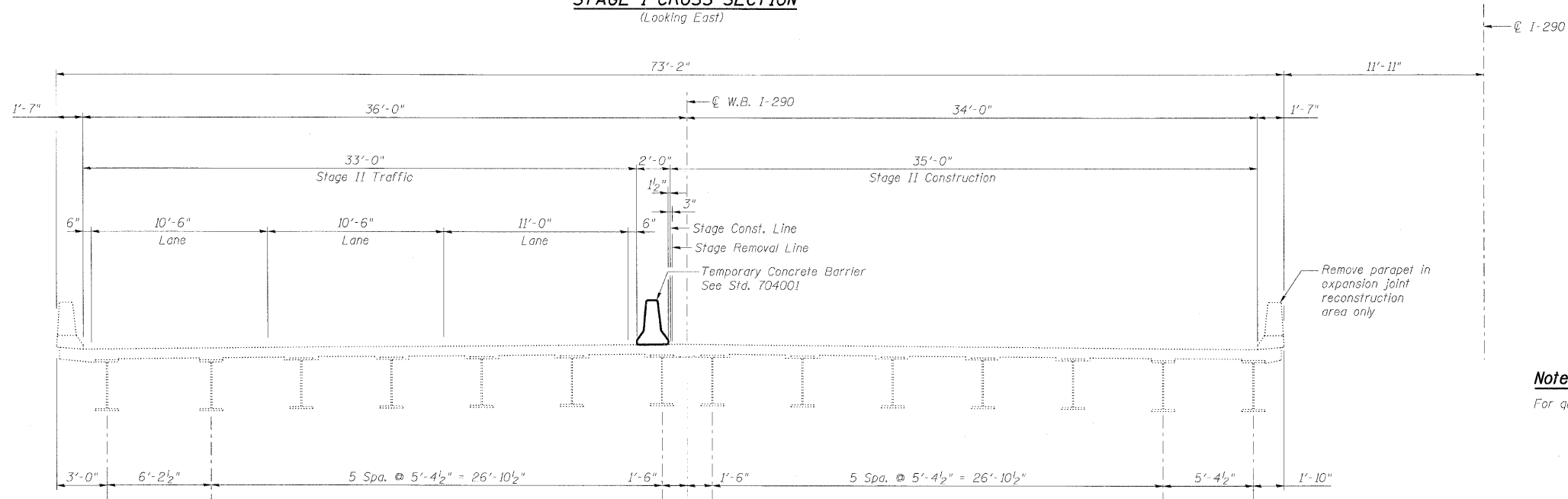
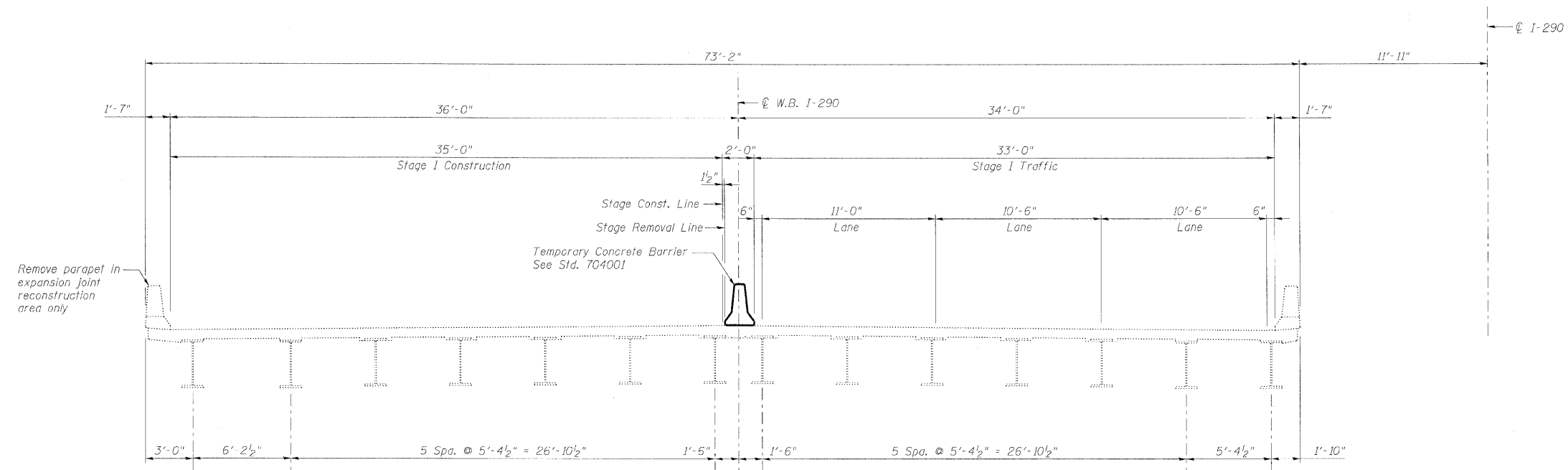
DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	VH
CHECKED -	KWS

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SHEET NO. 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	134
8 SHEETS	CONTRACT NO. 60G53				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Note:
For quantity of Temporary Concrete Barrier, see roadway plans.

DESIGNED	MFB
CHECKED	KWS
DRAWN	VH
CHECKED	KWS

STAGE II CROSS SECTION
(Looking East)

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 016-0095

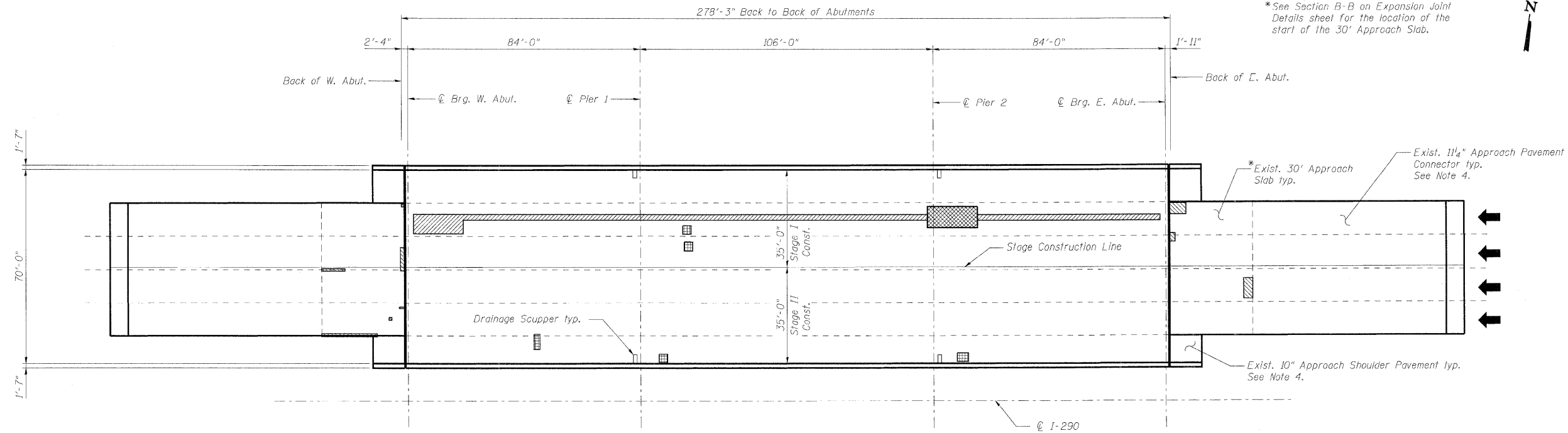
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SHEET NO. 3 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	135
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



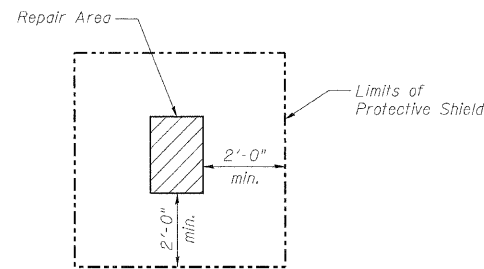
*See Section B-B on Expansion Joint Details sheet for the location of the start of the 30' Approach Slab.

PLAN

BILL OF MATERIAL

SYMBOL	ITEM	UNIT	QUANTITY
	Deck Slab Repair (Partial)	Sq. Yd.	140.0
	Deck Slab Repair (Full Depth - Type I)	Sq. Yd.	5.0**
	Deck Slab Repair (Full Depth - Type II)	Sq. Yd.	23.3
	Cleaning & Painting Exposed Rebar (Special)	Sq. Ft.	67
	Approach Slab Repair (Partial Depth)	Sq. Yd.	21.8
	Protective Shield	Sq. Yd.	181

** The quantity shown is provided as a contingency in the event the Resident Engineer determines that deck repair is required.



PROTECTIVE SHIELD DETAIL

Notes:

- Deck and approach slab repair areas are estimated based on visual inspection completed in June 2009. Actual repair areas and locations shall be determined by the Engineer and shown on As-Built plans.
- Protective Shield required for deck slab and/or parapet repairs shall be installed according to Article 501.03 of the Standard Specifications. For limits of Protective Shield, see Protective Shield Detail on this sheet and Elevation on General Plan and Elevation.
- Deck drains (downspouts, floor drains and scuppers) shall be cleaned with the bridge deck prior to application of the Concrete Sealer. Cost of cleaning the deck drains is included with concrete sealer.
- The Engineer shall determine the type and quantity of Class A patching and the quantity of Mixture for Cracks, Joints and Flangeways. Estimated quantities are included in the overall Summary of Quantities in Roadway Plans.

BRIDGE DECK
AND APPROACH SLAB REPAIRS
STRUCTURE NO. 016-0095

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	RMG
CHECKED -	KWS

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SHEET NO. 4 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	136
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					

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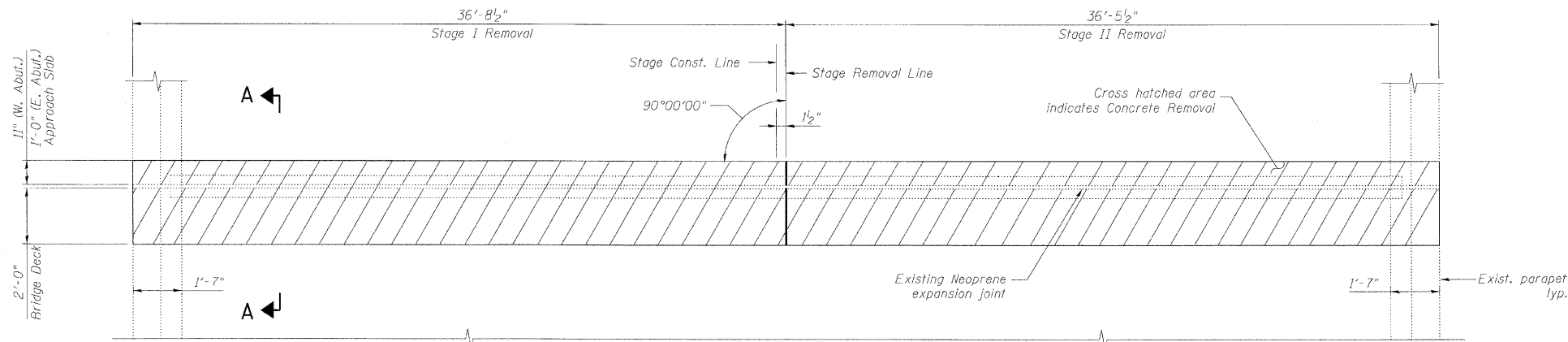
11/12/2009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

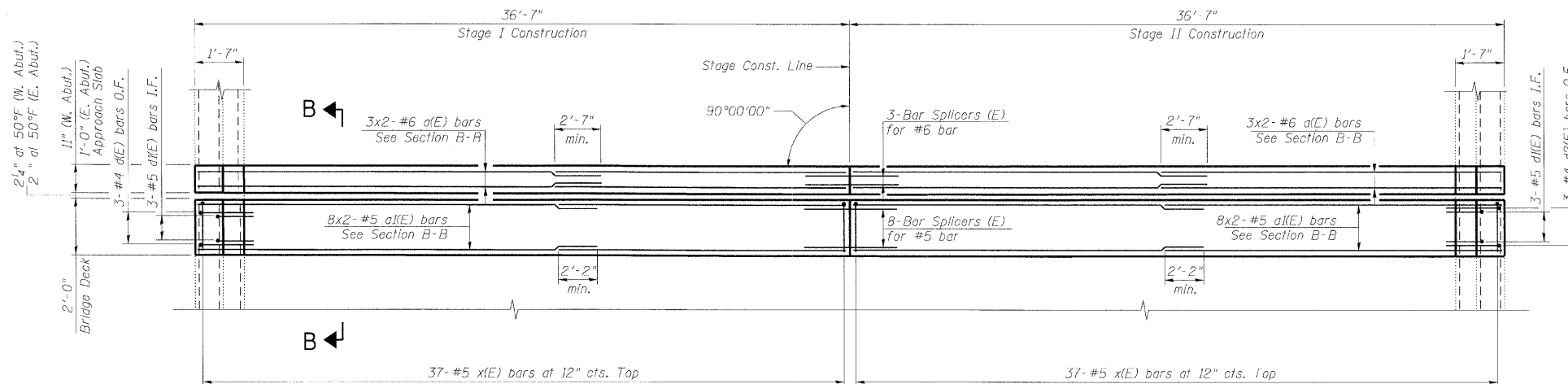


BILL OF MATERIAL

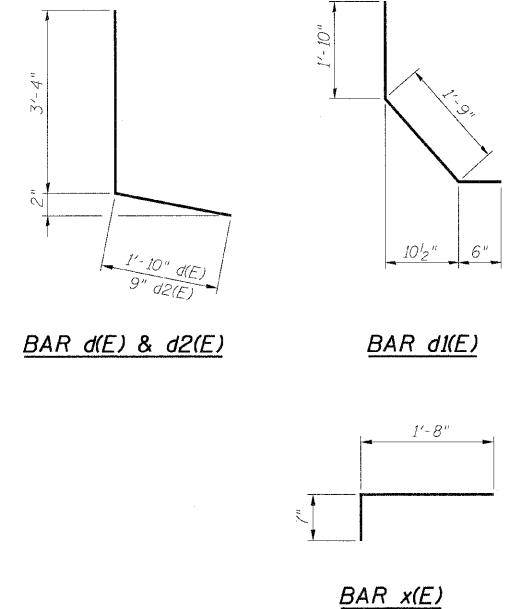
Bar	No.	Size	Length	Shape
d(E)	24	#6	19'-6"	—
a(F)	64	#5	19'-3"	—
d(E)	6	#4	5'-2"	└┘
d1(E)	12	#5	4'-1"	└┘
d2(E)	6	#4	4'-1"	└┘
x(E)	148	#5	2'-3"	└┘
<hr/>				
Item	Unit	Total		
Concrete Removal	Cu. Yd.	23.5		
Concrete Superstructure	Cu. Yd.	23.5		
Reinforcement Bars, Epoxy Coated	Pound	2,430		



EXISTING PARTIAL PLAN AT EAST ABUTMENT
(Opposite Hand for West Abutment)



PROPOSED PARTIAL PLAN AT EAST ABUTMENT
(Opposite Hand for West Abutment)



Notes:

1. Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.
2. I.F. denotes Inside Face.
O.F. denotes Outside Face.
3. Work this sheet with Expansion Joint Details sheet and Bar Splicer Assembly Details sheet.

DESIGNED	MFB
CHECKED	KWS
DRAWN	VH
CHECKED	KWS

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SHEET NO. 5 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	137
			CONTRACT NO. 60G53		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

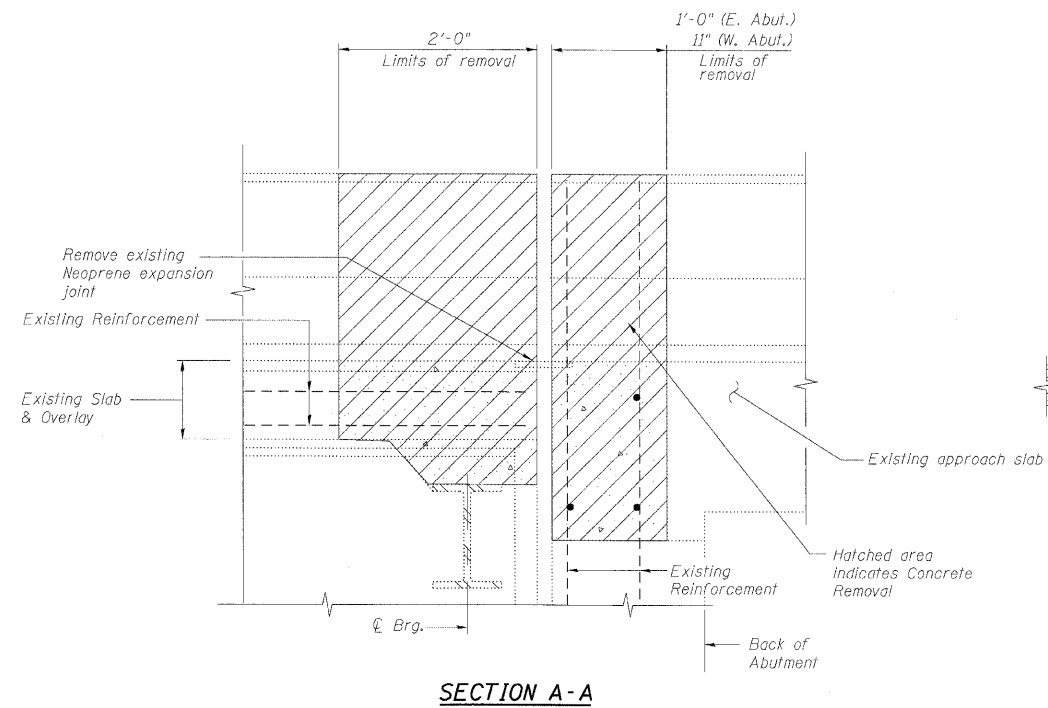
EXPANSION JOINT REPAIRS
STRUCTURE NO. 016-0095

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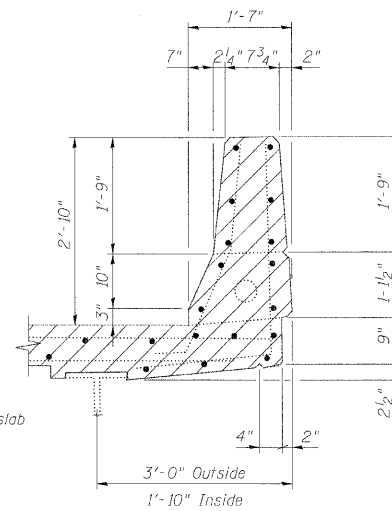
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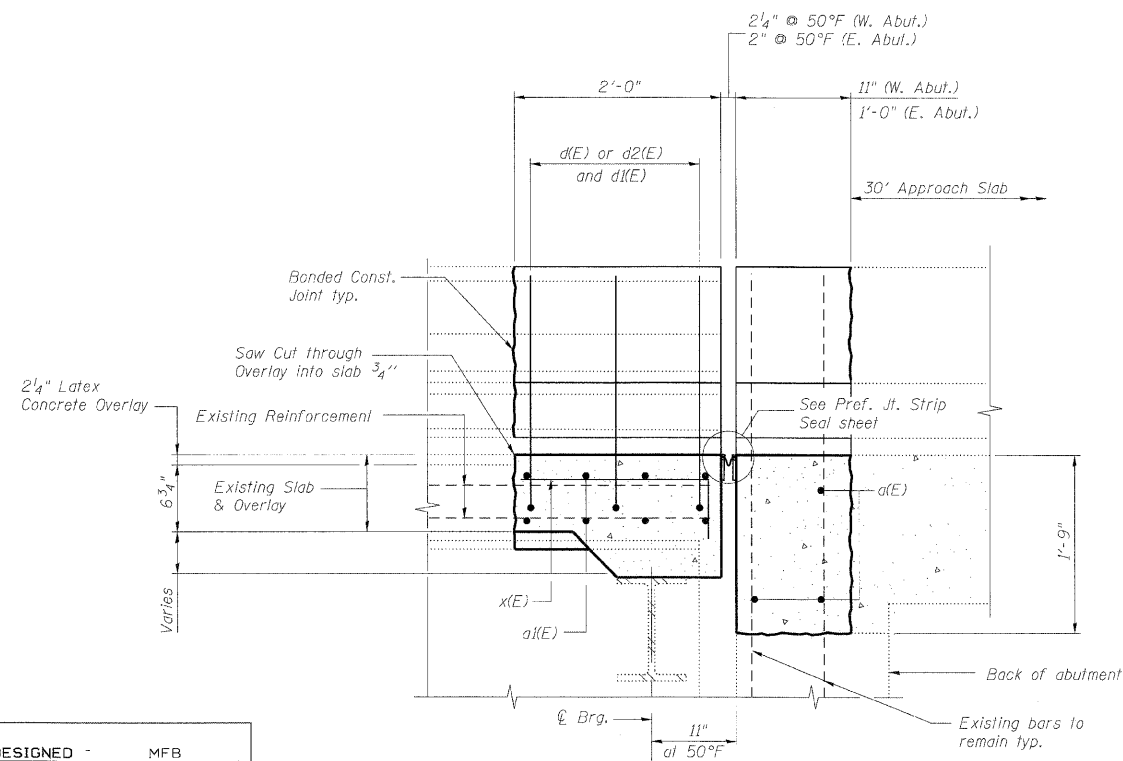
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



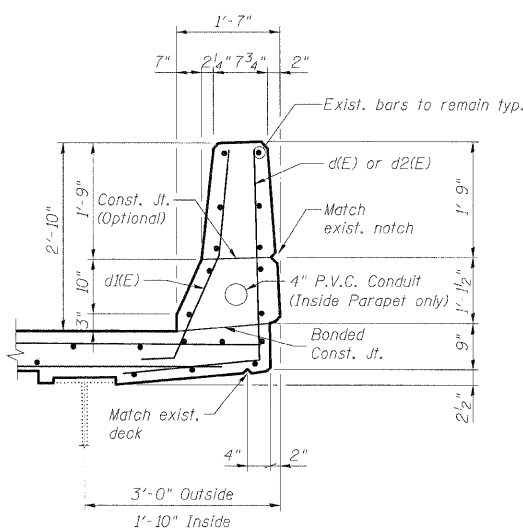
SECTION A-A



EXISTING PARAPET SECTION



SECTION B-B



PROPOSED PARAPET SECTION

Notes:

- Existing reinforcement bars extending into the concrete removal area shall be blast-cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be repaired or replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- Existing reinforcement bars in the concrete removal area parallel to the expansion joints shall be removed.
- Removal and disposal of the existing expansion joints will not be paid for separately, but shall be included with the cost of Concrete Removal.
- If existing name plate falls within the limits of Concrete Removal, it shall be removed and reinstalled in its original location in accordance with IDOT Std. 515001. Cost included with Concrete Superstructure.
- If existing guardrail and/or end shoe falls within the limits of Concrete Removal, they shall be removed and reinstalled in its original location in accordance with District 1 Std. BM-21. Cost included with Concrete Superstructure.
- The Contractor shall exercise extreme care with the existing conduits in sections of the parapet to be removed and shall protect and support the conduit. The Contractor will be required to repair any damage done to the conduit to the satisfaction of the Engineer at no additional cost to the Department. No splicing will be allowed to any cable damage resulting from this work, instead the Contractor will be required to repair the entire span of any damaged cable at no additional cost to the Department.
- Work this sheet with Expansion Joint Repairs sheet.

DESIGNED	MFB
CHECKED	KWS
DRAWN	VH
CHECKED	KWS

**EXPANSION JOINT DETAILS
STRUCTURE NO. 016-0095**

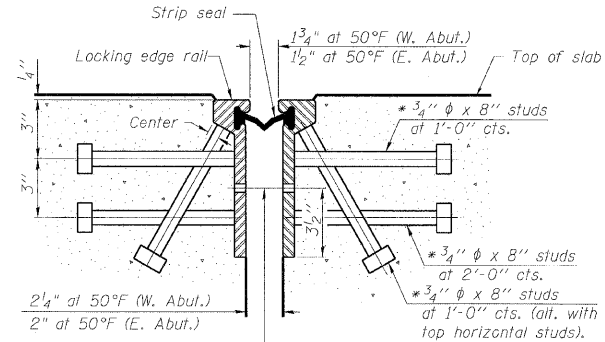
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SHEET NO. 6 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	138
FED. ROAD DIST. NO.			ILLINOIS	CONTRACT NO. 60G53	
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	

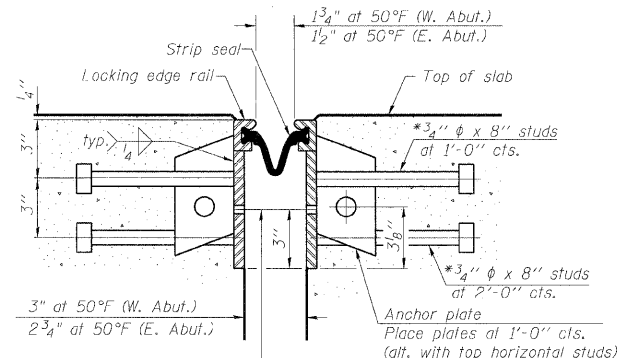
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
ROLLED RAIL JOINT



7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU
WELDED RAIL JOINT

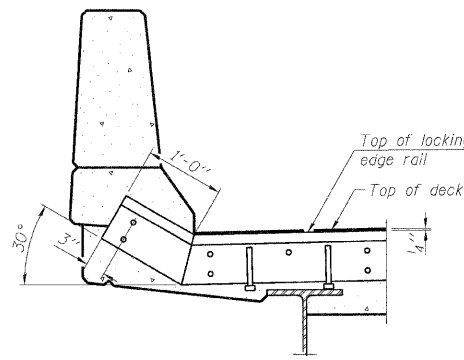
Notes:

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.

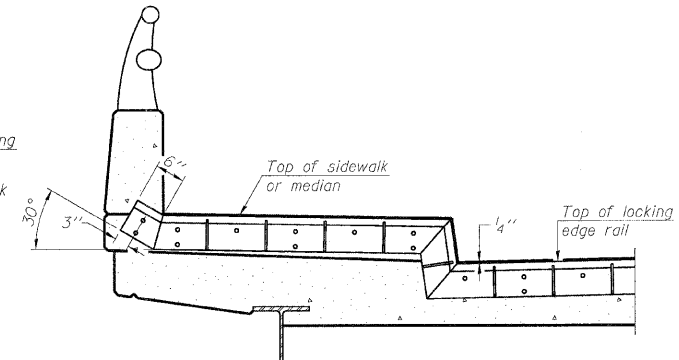
The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed. The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

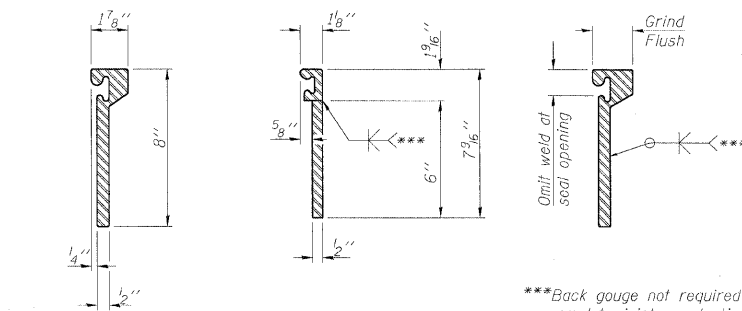


AT PARAPET

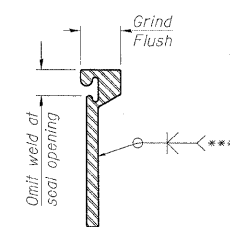


AT SIDEWALK OR MEDIAN

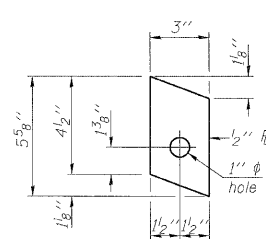
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



ROLLED
EXTRUDED RAIL WELDED RAIL

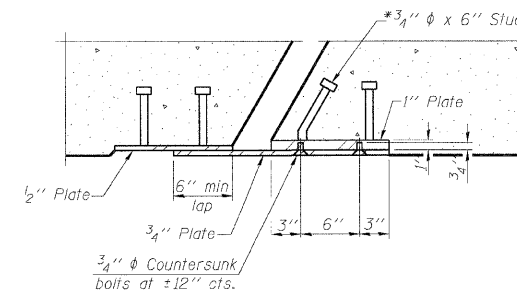


***Back gauge not required if complete joint penetration is verified by mock-up.



ANCHOR PLATE
(for welded rail)

TYPICAL END TREATMENTS



SECTION B-B

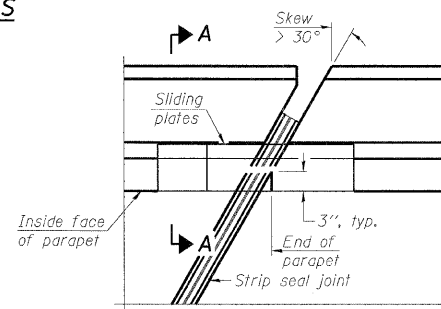
BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	144.0

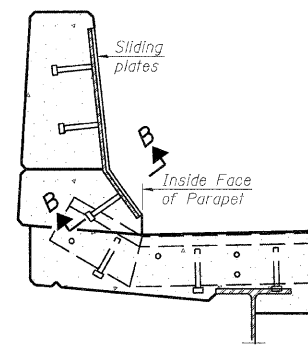
LOCKING EDGE RAILS

LOCKING EDGE
RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.



PLAN



SECTION A-A

POINT BLOCK DETAILS
(for skews > 30°)

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 016-0095

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	RMG
CHECKED -	KWS

EJ-SSJ

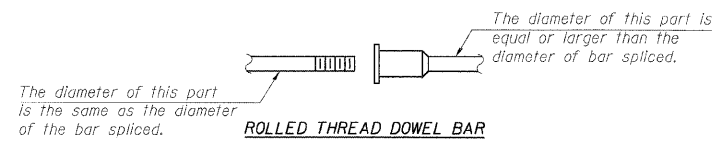
10-1-08

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 7 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	139
			CONTRACT NO. 60G53		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

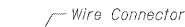
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ROLLED THREAD DOWEL BAR



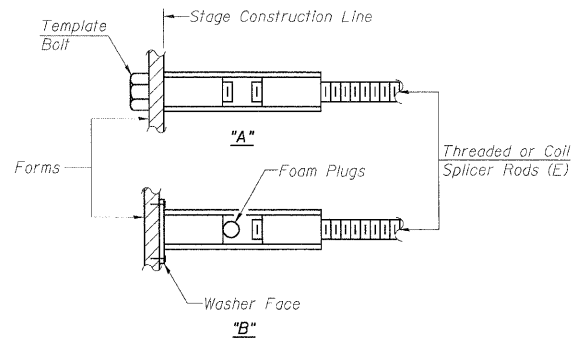
** ONE PIECE



WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



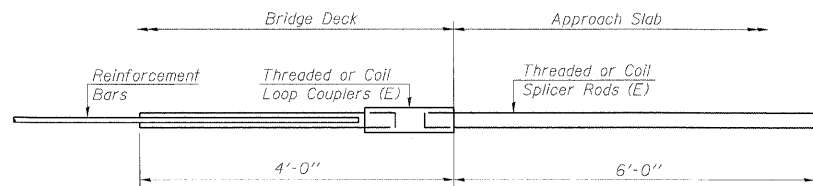
INSTALLATION AND SETTING METHODS

"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.

NOTES
Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

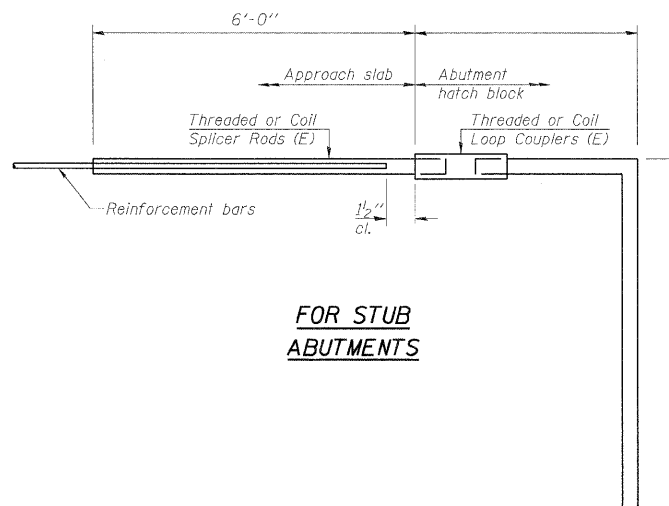
- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
 - ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_t$
(Tension in kips)
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



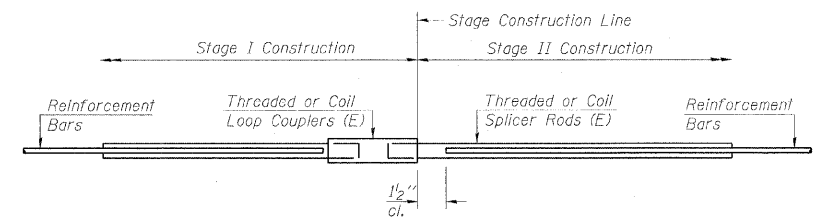
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	



FOR STUB ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	



STANDARD

Bar Size	No. Assemblies Required	Location
#5	16	Deck
#6	6	Deck

**BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO. 016-0095**

DESIGNED -	MFB
CHECKED -	KWS
DRAWN -	RMG
CHECKED -	KWS

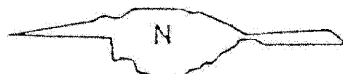
BSD-1

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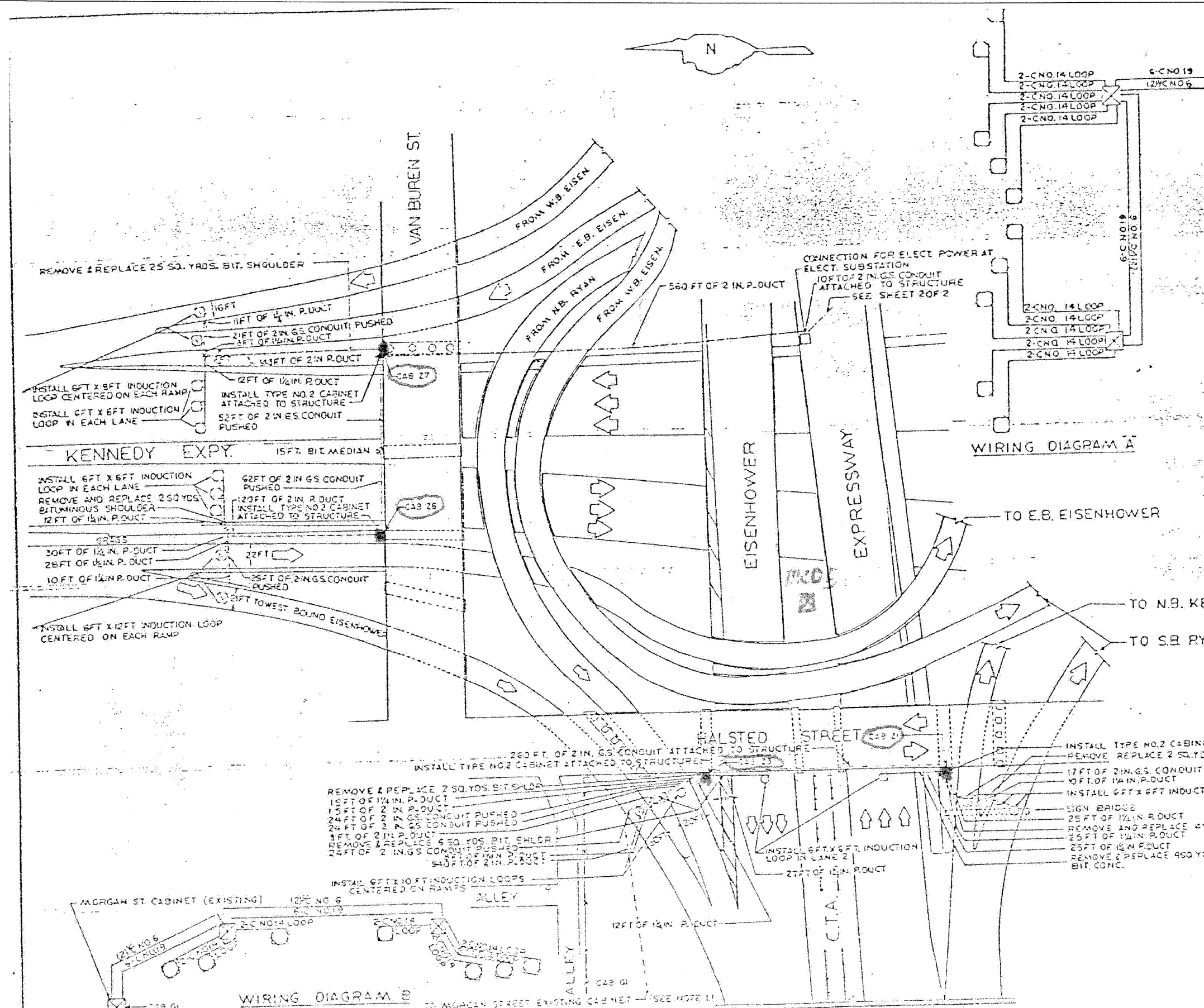
benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 8 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	(2828 B,D, ETC., 3031.1)RS-6	COOK	185	140
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60G53					



DATE: 11/12/09
 DRAWN: MPM
 CHECKED: MPM
 PLOT DATE: 11/12/09



NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

NOTE:
 1.9 SQ YARDS OF BITUMINOUS CONCRETE REMOVAL AND REPLACEMENT ALONG RIGHT SHOULDER OF EXPY. AT PEORIA ST. OVERPASS.

- LEGEND**
- INDUCTION LOOP
 - ⊠ CABINET
 - ⊞ JUNCTION BOX
 - ⊙ PULL POINT
 - SERVICE INSTALLATION
 - ⊞ HANDHOLE
 - DUCT
 - - - CONDUIT
 - FENCE
 - GUARD RAIL
 - LIGHT STANDOFF

STATE OF ILLINOIS

SUMMARY OF QUANTITIES (THIS SHEET)

DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	207
INDUCTION LOOP	LF	216

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PLOT DATE = 11/12/09	CHECKED - MPM	REVISED -
	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

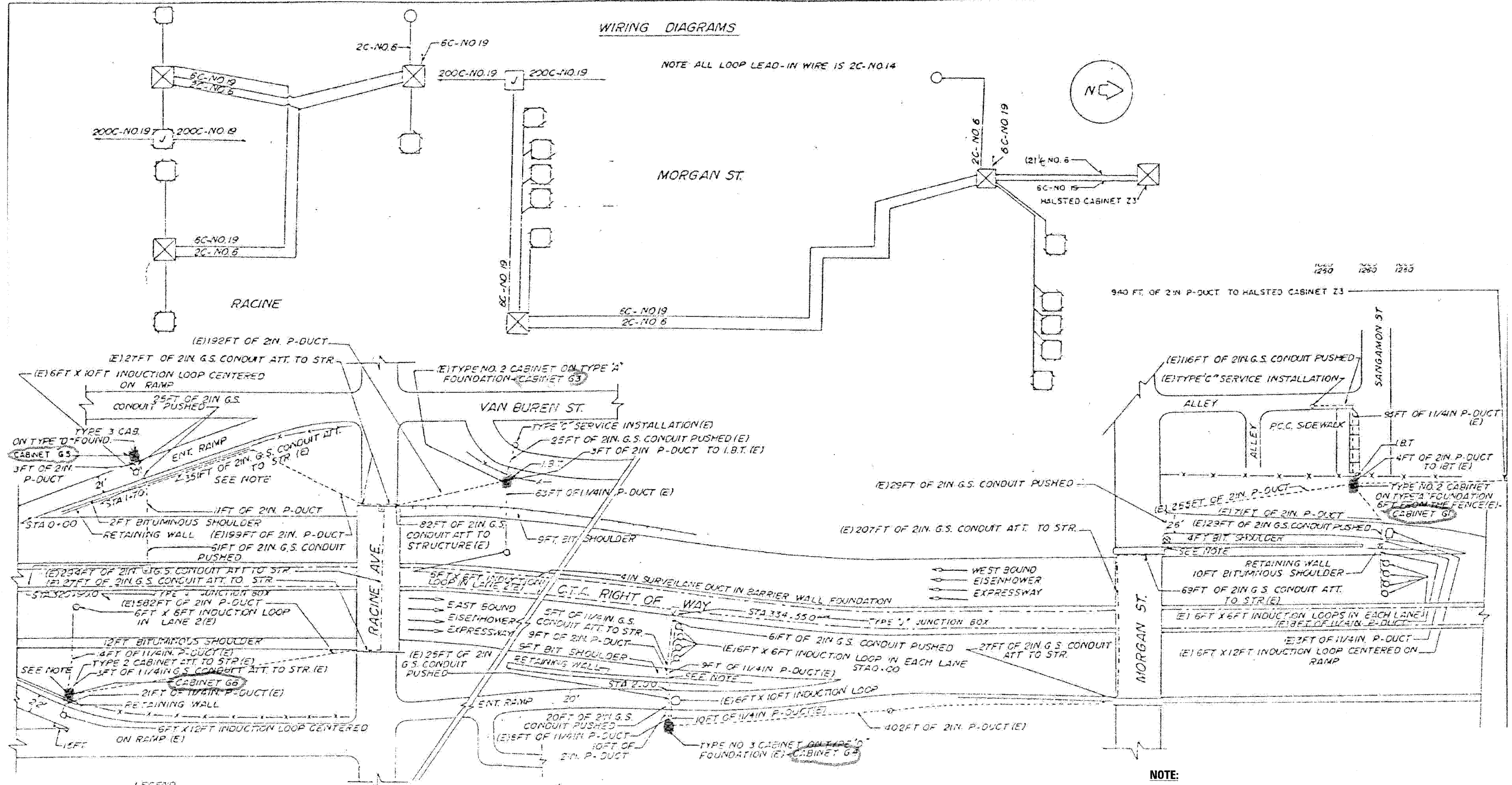
**TRAFFIC SURVEILLANCE
 EISENHOWER-KENNEDY-RYAN INSTALLATION (1 OF 2)**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031, IRS-6	COOK	185	141
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

SCALE: N.T.S. SHEET NO. 1 OF 15 SHEETS STA. TO STA.

WIRING DIAGRAMS

NOTE ALL LOOP LEAD-IN WIRE IS 2C-NO 14



- LEGEND**
- CABINET
 - INDUCTION LOOP
 - JUNCTION BOX
 - HANDHOLE
 - PULL POINT
 - SERVICE INSTALLATION
 - DUCT
 - CONDUIT
 - x- FENCE
 - - - GUARD RAIL
 - (E) EXISTING
 - (R) RELOCATE EXISTING FACILITIES

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	820
INDUCTION LOOP	LF	603

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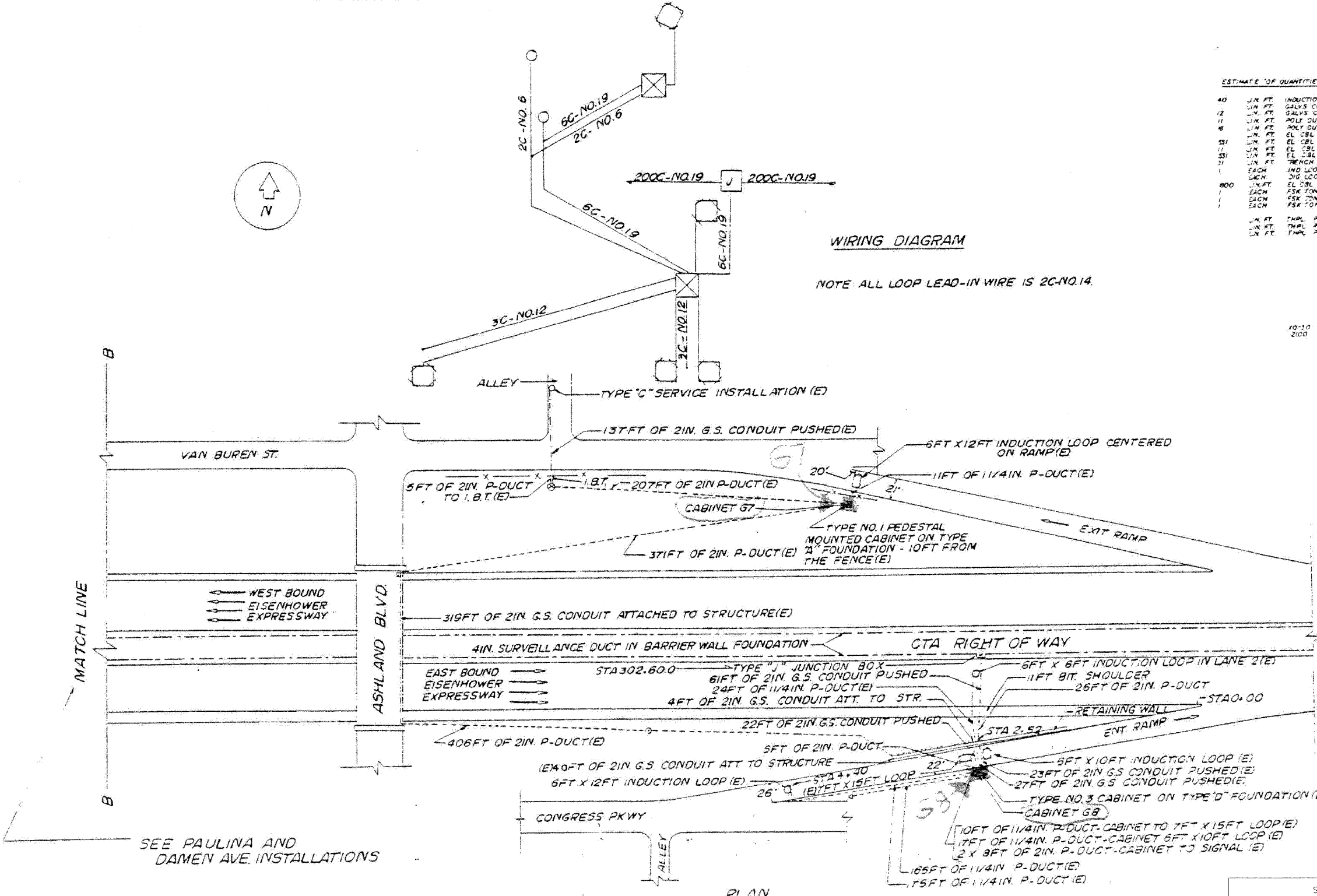
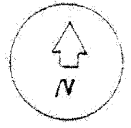
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE
 MORGAN ST & RACINE AVE INSTALLATION**

SCALE: N.T.S. SHEET NO. 2 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	142
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



WIRING DIAGRAM

NOTE: ALL LOOP LEAD-IN WIRE IS 2C-NO. 14.

ESTIMATE OF QUANTITIES

40	LIN. FT.	INDUCTION LOOP
12	LIN. FT.	GALVS CON AT STZ
11	LIN. FT.	POLY DUCT 1 1/4"
8	LIN. FT.	POLY DUCT 2"
131	LIN. FT.	EL CBL C12 3C
11	LIN. FT.	EL CBL C19 6C
33	LIN. FT.	EL CBL C19 2C SHIELD
31	LIN. FT.	TRENCH & BACKFILL
1	EACH	IND LOOP DET. SEN UNIT
1	EACH	DIG LOOP DET. SEN UNIT 4 CHA
800	LIN. FT.	EL CBL C19 200C
1	EACH	FSK TONE OSCILLATOR NO-30
1	EACH	FSK TONE BAND PASS FILTER XF-10
1	EACH	FSK TONE DISCRIMINATOR 30-30
1	LIN. FT.	THPL. PVT MK LINE 8
1	LIN. FT.	THPL. PVT MK LINE 12
1	LIN. FT.	THPL. PVT MK LINE 18

10'-10"	10'-0"	10'-10"
2100	300	300

LEGEND

- CABINET
- INDUCTION LOOP
- JUNCTION BOX
- PULL POINT
- HANDHOLE
- SERVICE INSTALLATION
- FLASHER
- DUCT
- CONDUIT
- - - FENCE
- (E) EXISTING

SEE PAULINA AND DAMEN AVE INSTALLATIONS

PLAN
NO SCALE

NOTE:
IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	276
INDUCTION LOOP	LF	204

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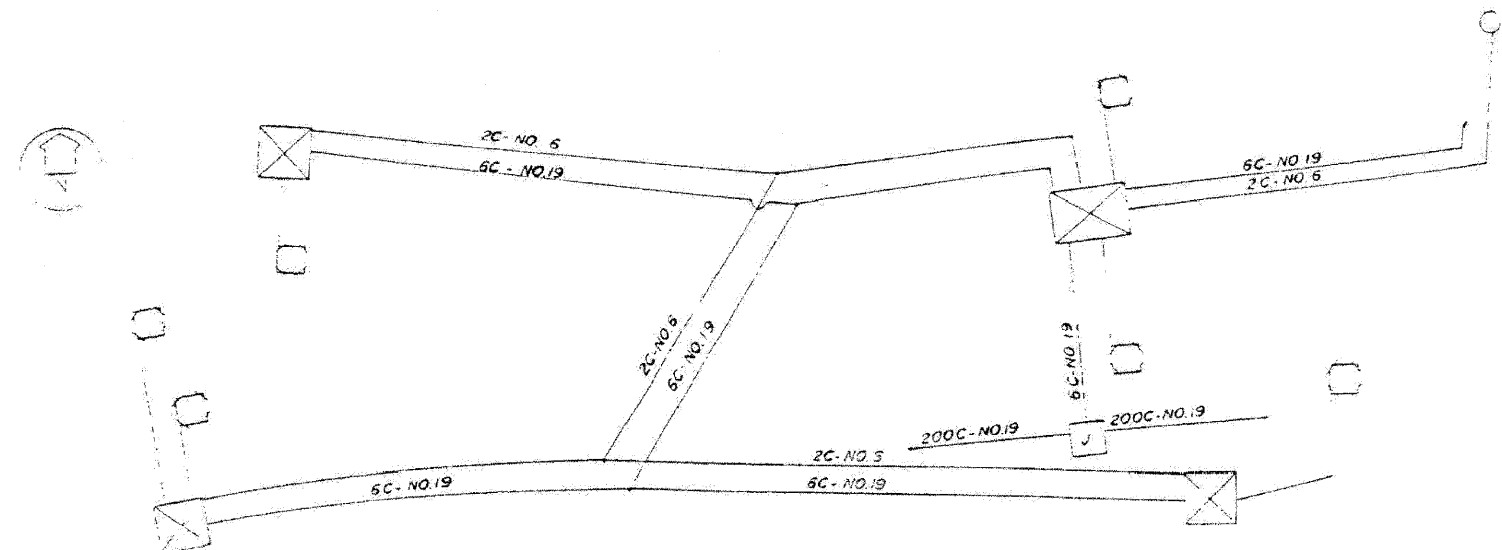
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE
ASHLAND BLVD INSTALLATION**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	143
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60653	

SCALE: N.T.S. SHEET NO. 3 OF 15 SHEETS STA. TO STA.

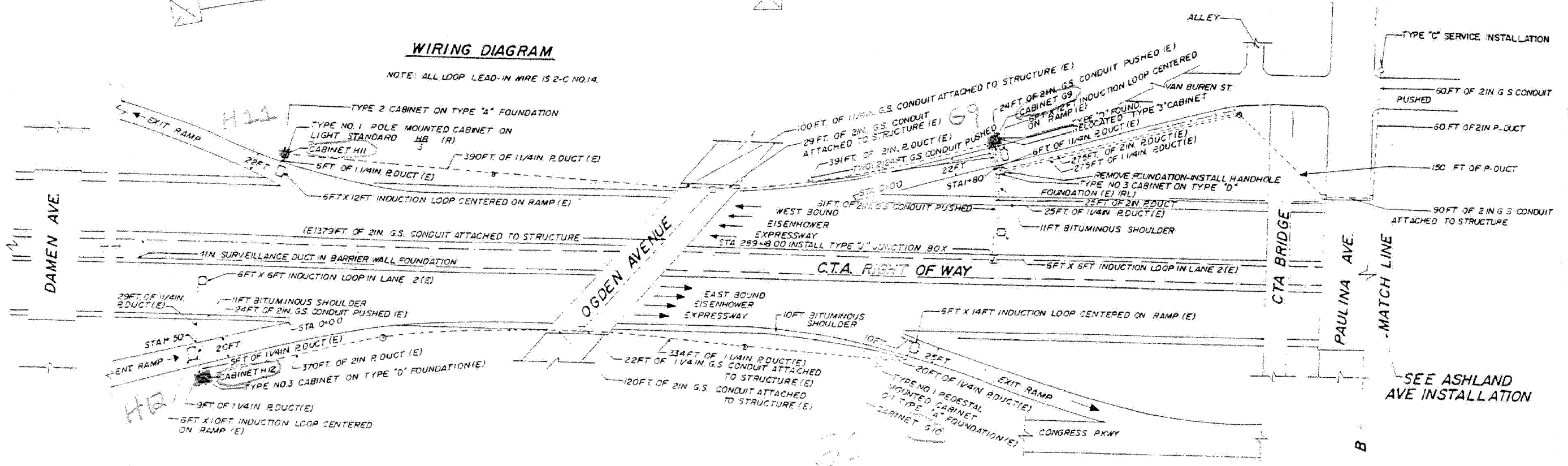


WIRING DIAGRAM

NOTE: ALL LOOP LEAD-IN WIRE IS 2-C NO.14.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	108
INDUCTION LOOP	LF	263

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

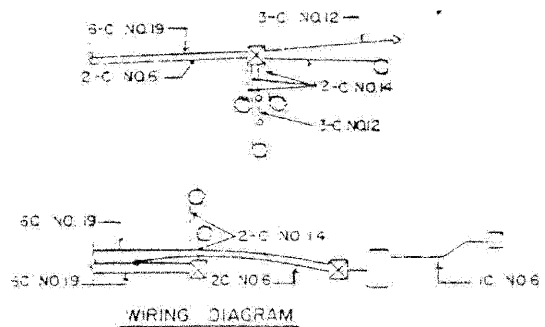
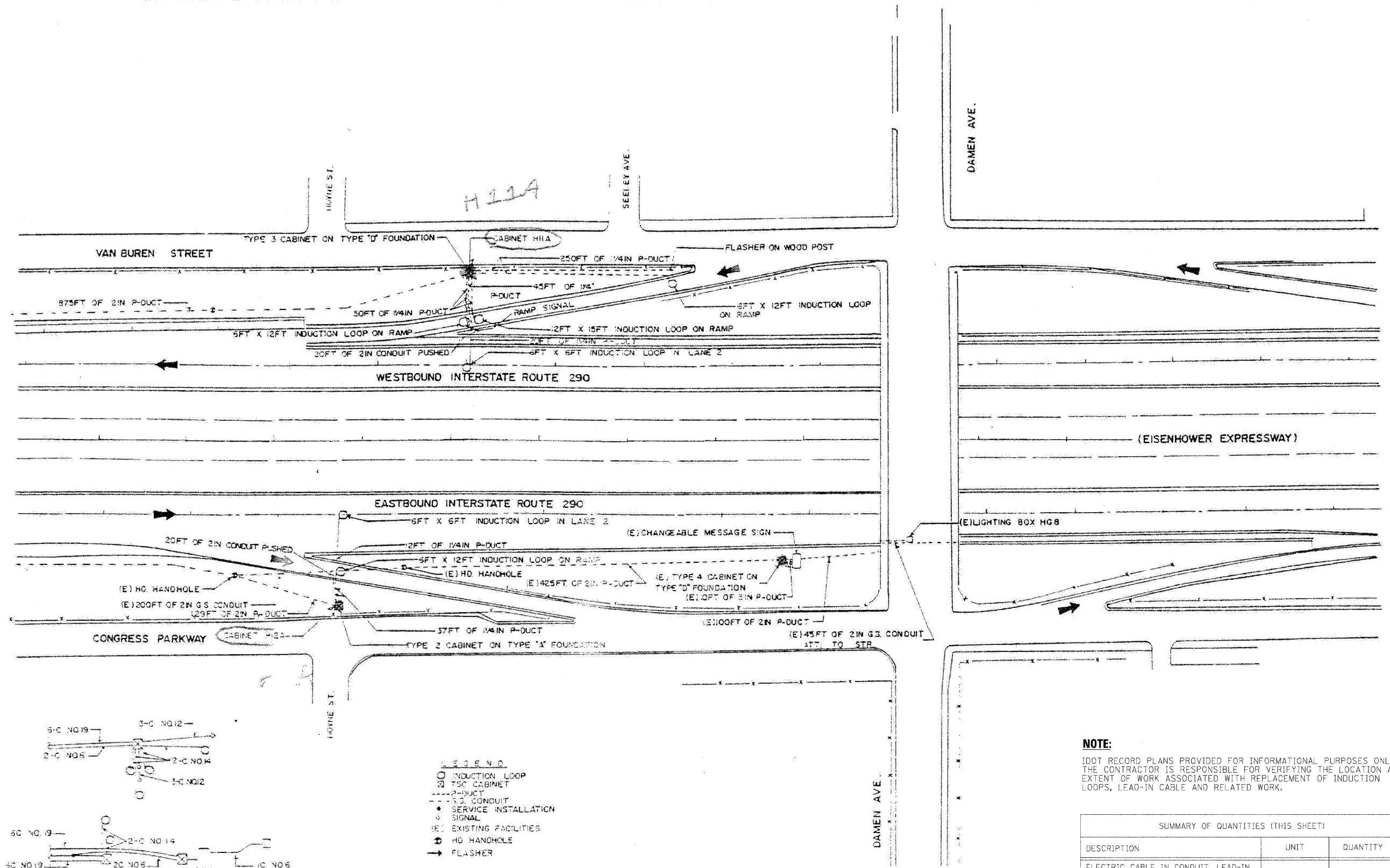


PLAN

- LEGEND**
- INDUCTION LOOP
 - CABINET
 - ⊕ JUNCTION BOX
 - PULL POINT
 - HANDHOLE
 - SERVICE INSTALLATION
 - CONDUIT
 - DUCT
 - - - FENCE
 - (E) EXISTING FACILITIES
 - (R) REMOVE EXISTING FACILITIES
 - (RL) RELOCATE EXISTING FACILITIES

FOR INFORMATION ONLY

INBOUND S4



- LEGEND**
- INDUCTION LOOP
 - TSC CABINET
 - P-DUCT
 - - - G.S. CONDUIT
 - SERVICE INSTALLATION
 - SIGNAL
 - (E) EXISTING FACILITIES
 - HD HANDHOLE
 - FLASHER

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	276
INDUCTION LOOP	LF	238

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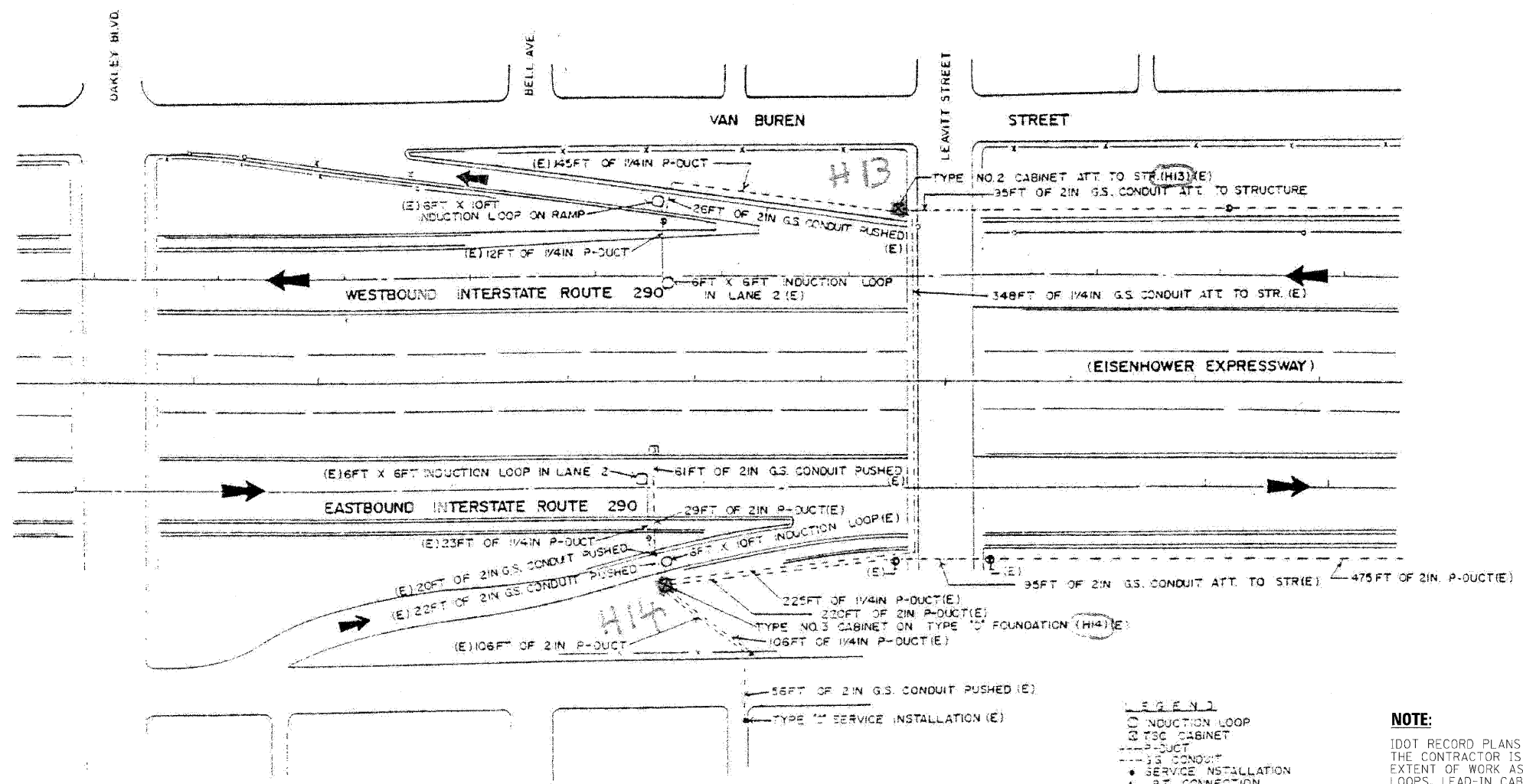
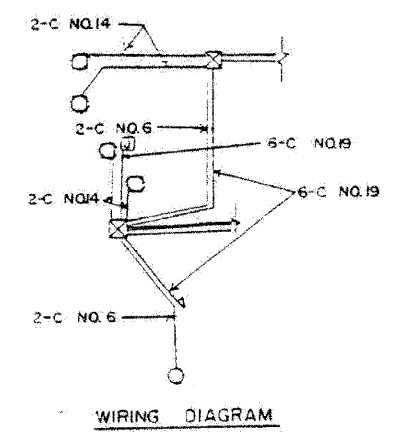
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE
 DAMEN AVE INSTALLATION**

SCALE: N.T.S. SHEET NO. 5 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(28288,D, ETC., 3031,IRS-6	COOK	185	145
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	



- LEGEND**
- INDUCTION LOOP
 - TSC CABINET
 - P-DUCT
 - G.S. CONDUIT
 - SERVICE INSTALLATION
 - ▲ 1/8" CONNECTION
 - JUNCTION BOX
 - PULL POINT
 - (R) REM. & REPLACE
 - ⊕ H.D. HANDHOLE
 - (E) EXISTING FACILITIES

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	437
INDUCTION LOOP	LF	175

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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

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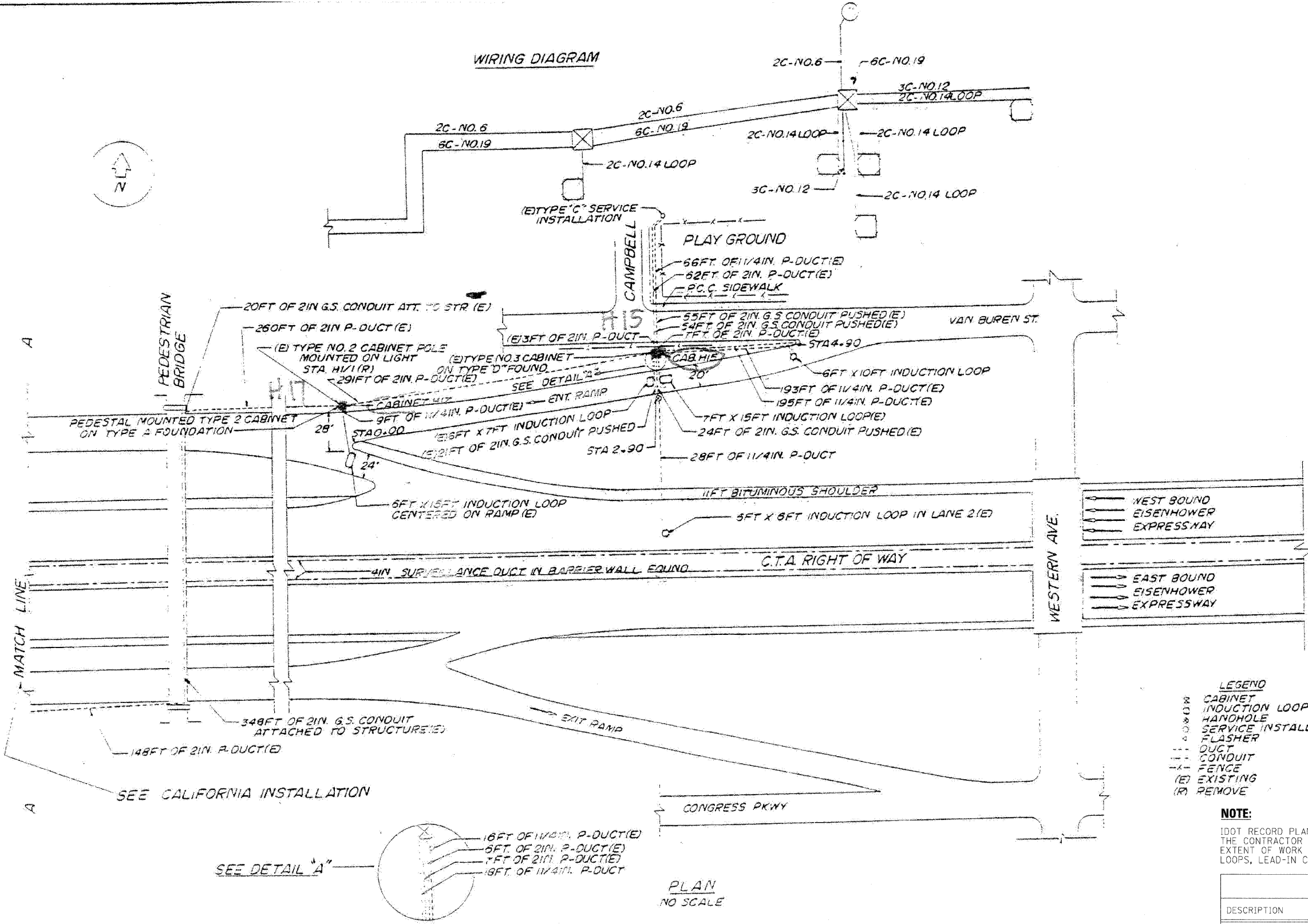
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE
 OAKLEY BLVD INSTALLATION**

SCALE: N.T.S. SHEET NO. 6 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(28288,D, ETC., 3031,1RS-6	COOK	185	146
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	

WIRING DIAGRAM



- LEGEND**
- CABINET
 - INDUCTION LOOP
 - HANDHOLE
 - SERVICE INSTALLATION
 - FLASHER
 - DUCT
 - CONDUIT
 - X- FENCE
 - (E) EXISTING
 - (R) REMOVE

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	296
INDUCTION LOOP	LF	243

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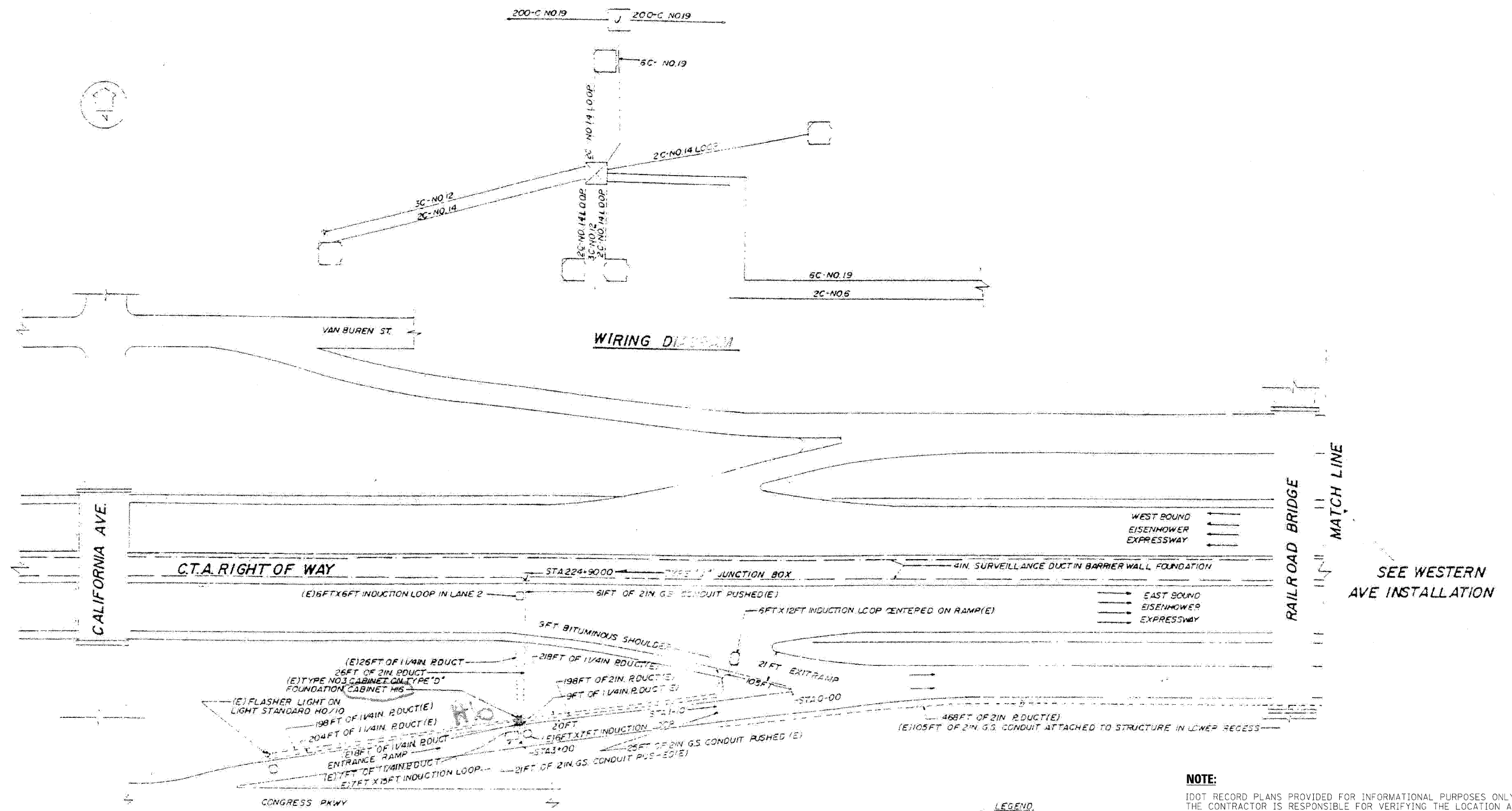
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE
 WESTERN AVE INSTALLATION**

SCALE: N.T.S. SHEET NO. 7 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	147
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WIRING DIAGRAM

PLAN

- LEGEND**
- INDUCTION LOOP
 - CABINET
 - ⊕ JUNCTION BOX
 - ⊙ PULL POINT
 - ⊙ SERVICE INSTALLATION
 - ⊙ HANDHOLE
 - DUCT
 - CONDUIT
 - FENCE
 - ⊙ FLASHER
 - (E) EXISTING FACILITIES

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

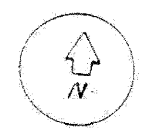
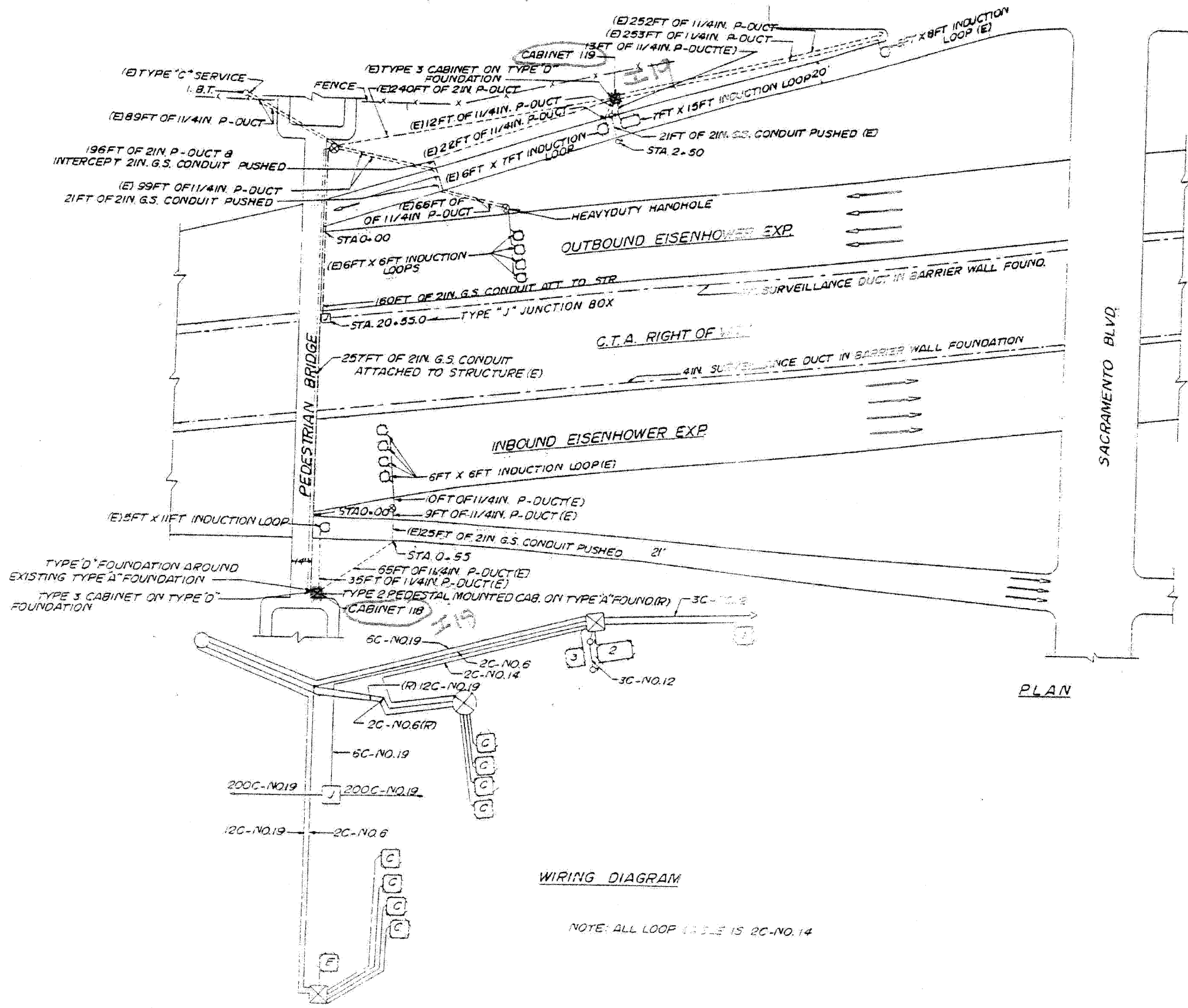
SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	630
INDUCTION LOOP	LF	215

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PLOT DATE - 11/12/2009	DATE - 10/16/09	REVISED -

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 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC SURVEILLANCE
 CALIFORNIA AVE INSTALLATION**
 SCALE: N.T.S. SHEET NO. 8 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	148
CONTRACT NO. 60653				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



- LEGEND**
- 3 CABINET
 - 0 INDUCTION LOOP
 - 9 HANDHOLE
 - 0 METERING SIGNAL
 - 0 SERVICE INSTALLATION
 - 4 FLASHER
 - DUCT
 - CONDUIT
 - (E) EXISTING
 - (R) REMOVE EXISTING FACILITIES

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	1882
INDUCTION LOOP	LF	503

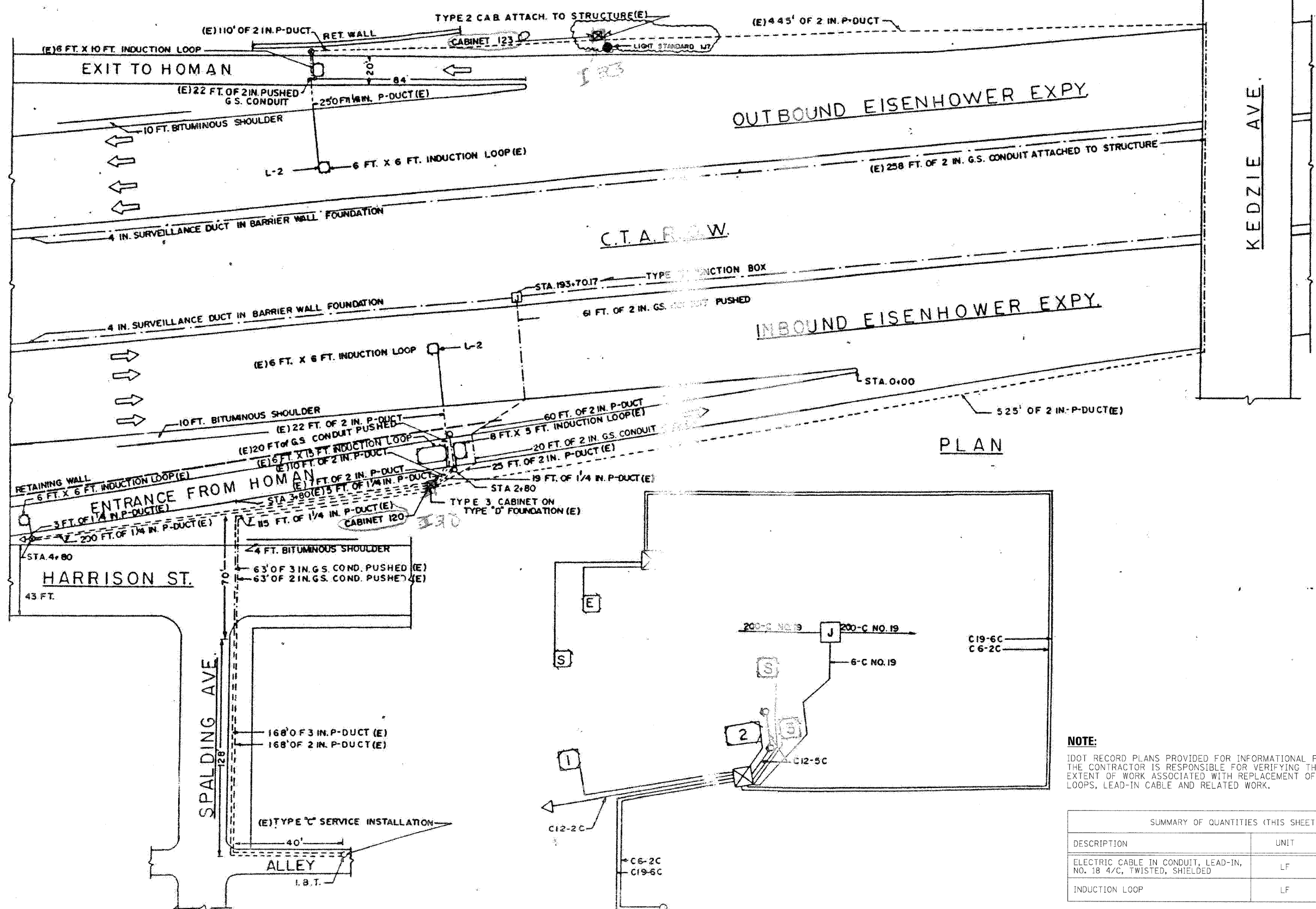
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC SURVEILLANCE
 SACRAMENTO BLVD INSTALLATION**

SCALE: N.T.S. SHEET NO. 9 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D., ETC., 3031.1RS-6	COOK	185	149
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60G53				



OUTBOUND EISENHOWER EXPY

INBOUND EISENHOWER EXPY

KEDZIE AVE.

EXIT TO HOMAN

HARRISON ST.

SPALDING AVE.

ALLEY

PLAN

SYMBOL	LEGEND
○	INDUCTION LOOP
---	POLYETHYLENE DUCT
---	G.S. CONDUIT
○	PULL POINT
⊙	HAND HOLE
⊗	HEAVY DUTY HAND HOLE
⊕	T.S.C. CABINET
⊙	SERVICE INSTALLATION
⊙	LIGHT STANDARD
⊙	RAMP METERING SIGNAL
---	GUARD RAIL
(E)	EXISTING FACILITIES
(R)	REMOVE EXISTING FACILITIES

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	544
INDUCTION LOOP	LF	242

FILE NAME =	DESIGNED - GHT	REVISED -
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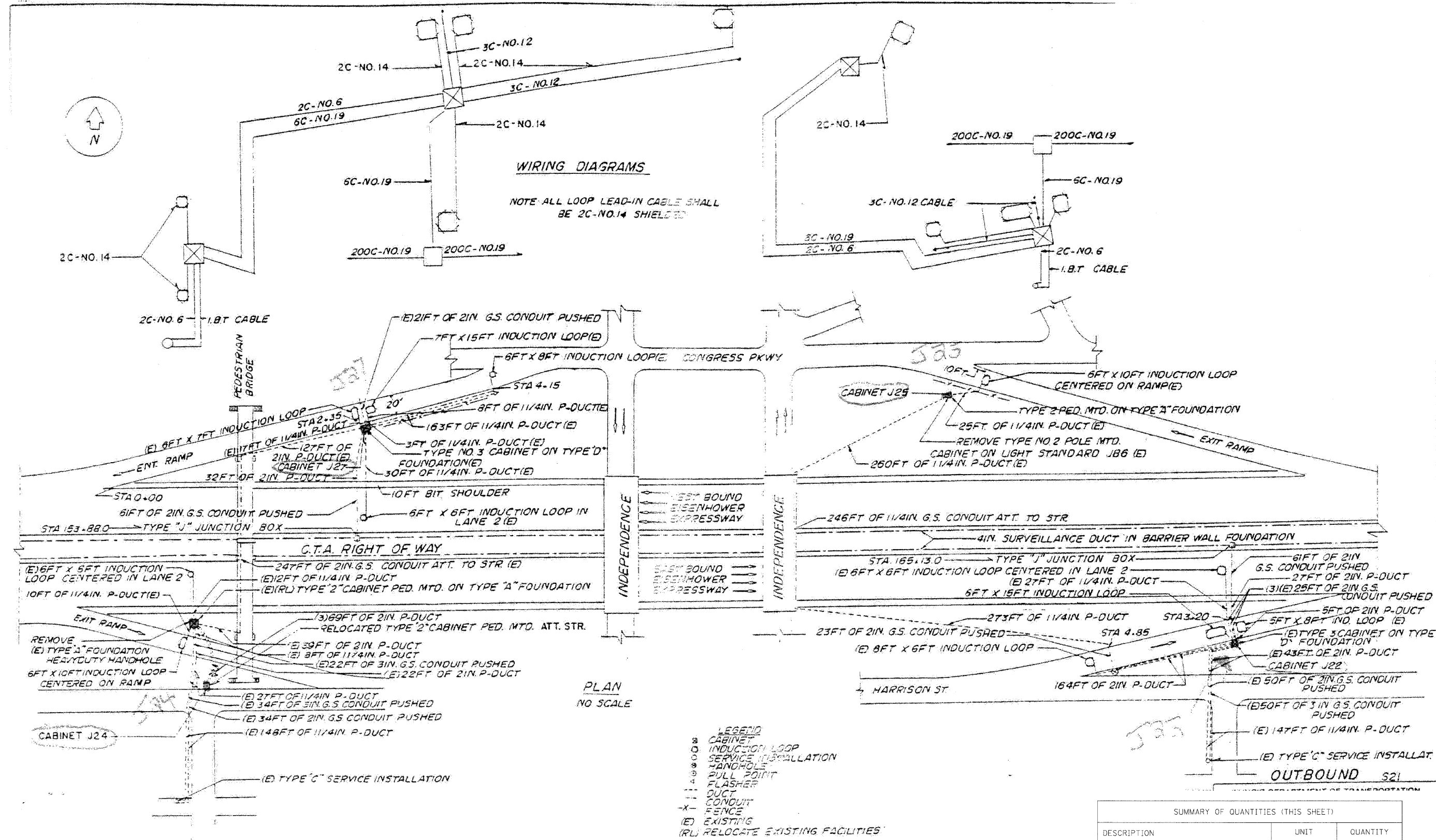
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE
 HOMAN AVE INSTALLATION**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	150
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET NO. 10 OF 15 SHEETS STA. TO STA.



SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	332
INDUCTION LOOP	LF	449

FILE NAME =	DESIGNED - GHT	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

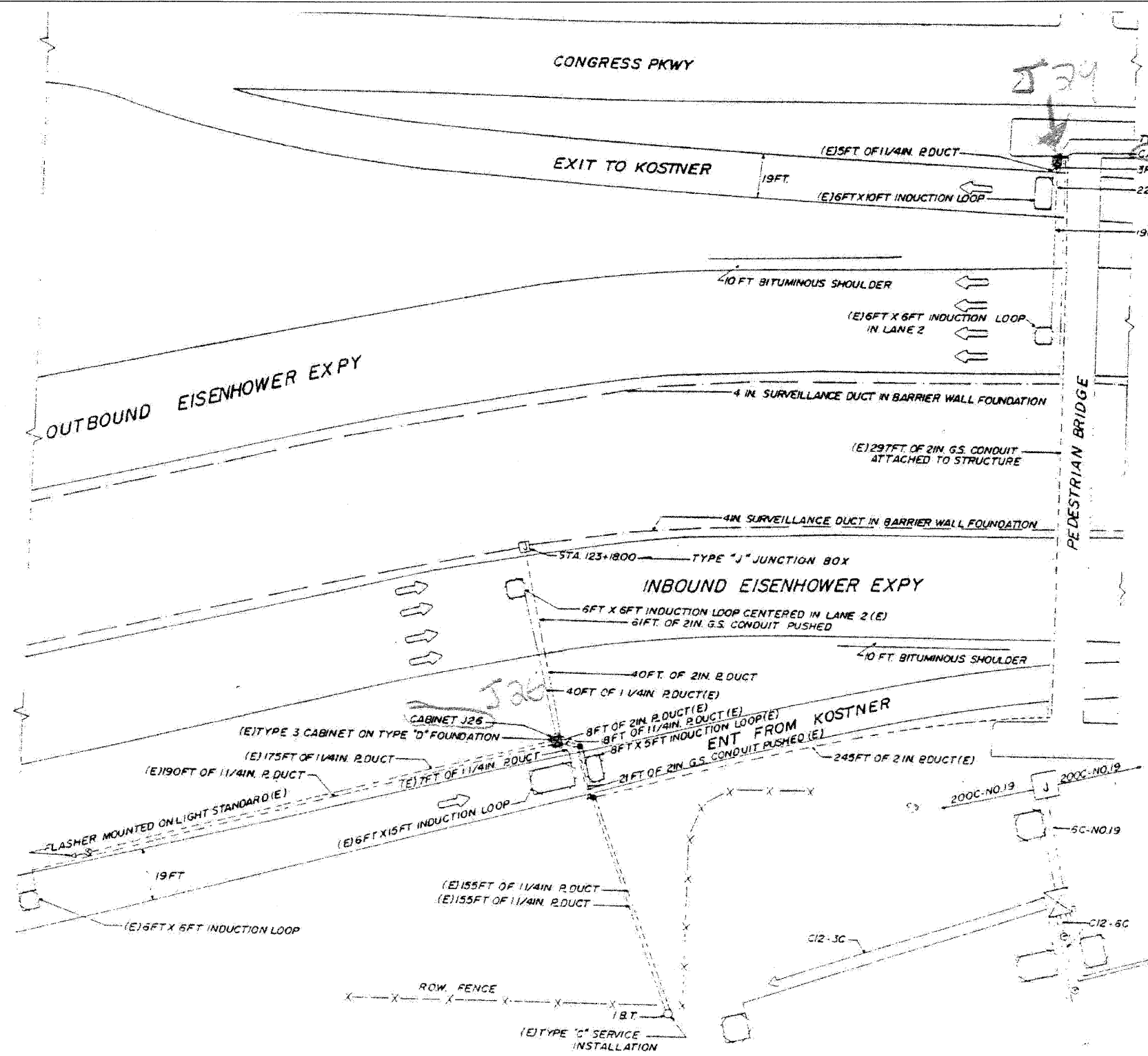
**TRAFFIC SURVEILLANCE
INDEPENDENCE BLVD INSTALLATION**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1RS-6	COOK	185	151
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

SCALE: N.T.S. SHEET NO. 11 OF 15 SHEETS STA. TO STA.



KOSTNER AVENUE

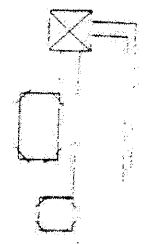


PLAN

WIRING DIAGRAM

NOTE:

IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.



- LEGEND**
- INDUCTION LOOP
 - DUCT
 - CONDUIT
 - ⊙ PULL POINT
 - ⊙ HANDHOLE
 - ⊙ HEAVY DUTY HANDHOLE
 - ⊙ CABINET
 - ⊙ SERVICE INSTALLATION
 - LIGHT STANDARD
 - PUMP METERING
 - INSTALLATION
 - GUARD RAIL
 - (E) EXISTING
 - (R) REMOVE EXISTING

NOTES

ALL LOOP CABLE IS C14-2C.

INBOUND S22

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	304
INDUCTION LOOP	LF	270

FILE NAME =	DESIGNED - GHT	REVISED -
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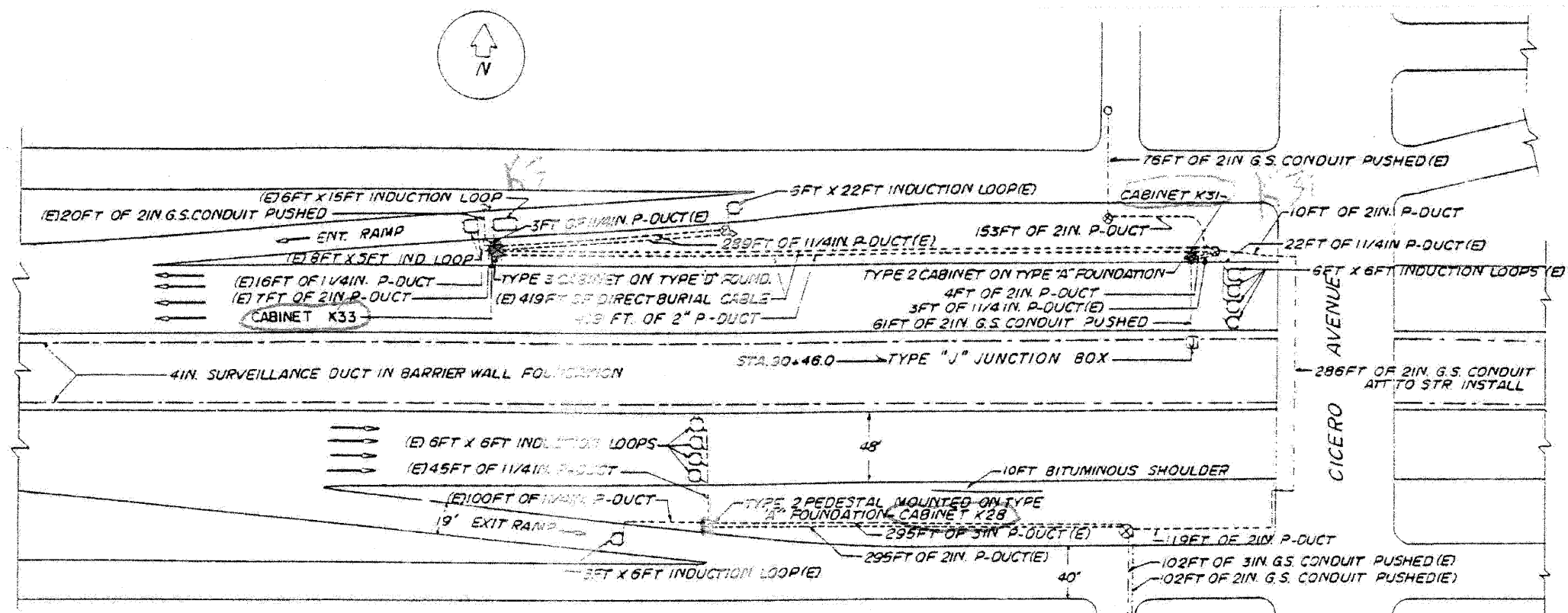
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

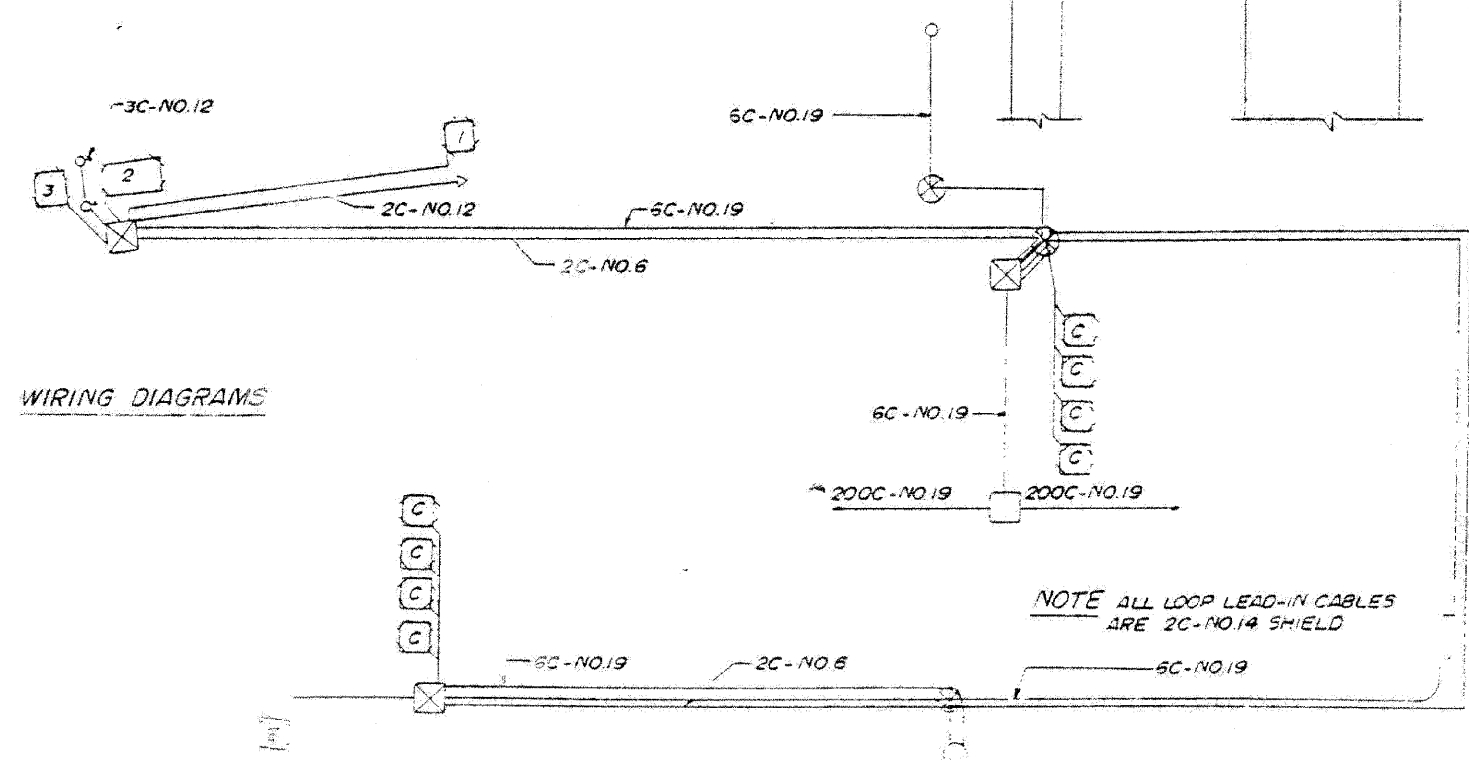
**TRAFFIC SURVEILLANCE
KOSTNER AVE INSTALLATION**

SCALE: N.T.S. SHEET NO. 12 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	152
CONTRACT NO. 60C53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN



WIRING DIAGRAMS

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

- LEGEND**
- CABINET
 - INDUCTION LOOP
 - HANDHOLE
 - SERVICE INSTALLATION
 - METERING SIGNAL
 - FLASHER
 - DUCT
 - CONDUIT
 - DIRECT BURIAL CABLE
 - (E) EXISTING
 - (R) REMOVE EXISTING FACILITIES
 - (A) ABANDON FACILITIES

OUTBOUND S23

SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	676
INDUCTION LOOP	LF	525

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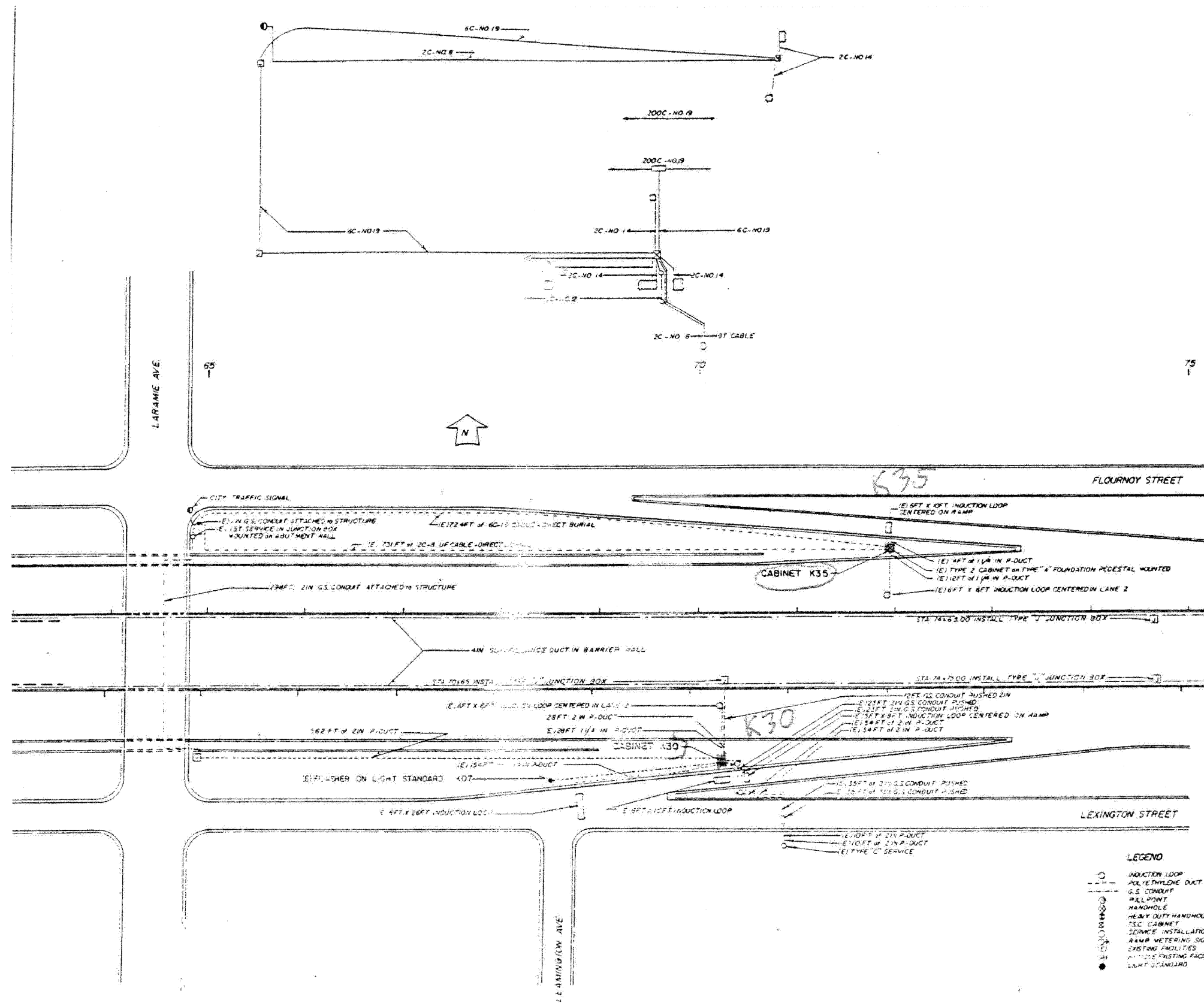
benesch

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SURVEILLANCE
 CICERO AVE INSTALLATION

SCALE: N.T.S. SHEET NO. 13 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(282RB,0, ETC., 3031,1RS-6	COOK	185	153
CONTRACT NO. 60653				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	224
INDUCTION LOOP	LF	318

NOTE:
 IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

- LEGEND**
- INDUCTION LOOP
 - POLYETHYLENE DUCT
 - - - G.E. CONDUIT
 - RAMP POINT
 - HANDHOLE
 - HEAVY DUTY HANDHOLE
 - TSC CABINET
 - SERVICE INSTALLATION
 - RAMP METERING SIGNAL
 - EXISTING FACILITIES
 - EXISTING FACILITIES
 - LIGHT STANDARD

FILE NAME =	DESIGNED - GHT	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

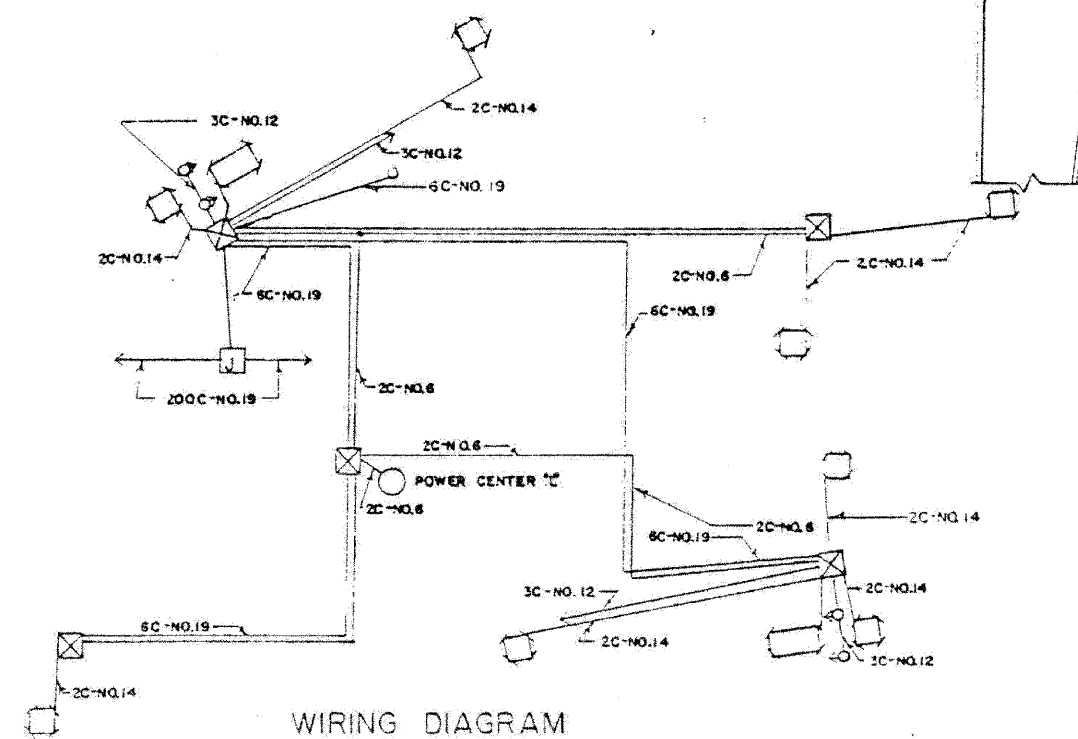
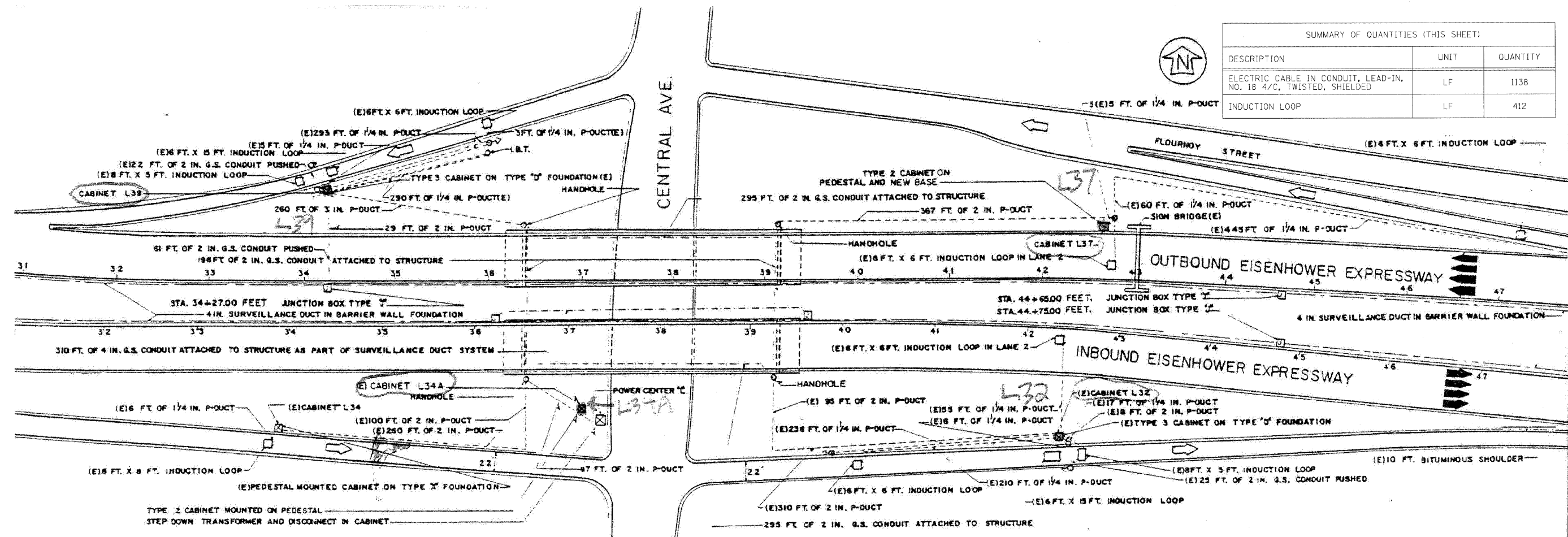
**TRAFFIC SURVEILLANCE
 LARAMIE AVE INSTALLATION**

SCALE: N.T.S. SHEET NO. 14 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	154
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60C53	



SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	1138
INDUCTION LOOP	LF	412



X0-30	XF-10	X0-30	X0-37
540	540	540	
780	780	780	
1020	1020	1020	
1260	1260	1260	
1500	1500	1500	
1740	1740	1740	
	1980	1980	1980
			2240

ESTIMATE of QUANTITY

1	EACH	IND. LOOP DET. SEN. UNIT
1	EACH	DIG. LOOP DET. SEN. UNIT 2
131	LN. FT.	INDUCTION LOOP
25	LN. FT.	GALVS CON #2
287	LN. FT.	GALVS CON AT ST 3
310	LN. FT.	GALVS CON AT ST 1
403	LN. FT.	POLY DUCT 1/4"
442	LN. FT.	POLY DUCT 2"
1147	LN. FT.	EL CBL 05 20
278	LN. FT.	EL CBL 012 30
1972	LN. FT.	EL CBL 013 60
2400	LN. FT.	EL CBL 013 2000
294	LN. FT.	EL CBL 014 20 SHIELD
1	EACH	SERV. INSTALL. TY. C.
1	EACH	HANDHOLE
218	LN. FT.	TRENCH & BACKFILL
1	EACH	CAB. HANG EQ ATT STR. ESP 2
218	LN. FT.	TRPL. PVT. WK. LINE 8
802	LN. FT.	TRPL. PVT. WK. LINE 12
11	LN. FT.	TRPL. PVT. WK. LINE 18
1	EACH	STEP DOWN TRAN.

SYMBOL	LEGEND
[Square with dot]	INDUCTION LOOP
[Dashed line]	POLYETHYLENE DUCT
[Solid line]	G.S. CONDUIT
[Square with 'X']	T.S.C. CABINET
[Circle with dot]	HANDHOLE
[Circle with 'H']	HEAVY DUTY HANDHOLE
[Circle with 'P']	PULL POINT
[Circle with 'S']	SERVICE INSTALLATION
[Circle with 'L']	LIGHT STANDARD
[Circle with 'R']	RAMP METERING SIGNAL
[Circle with 'S']	GUARD RAIL
(E)	EXISTING FACILITIES
(R)	REMOVE EXISTING FACILITIES
(A)	ABANDON FACILITIES

NOTES

1. ALL LOOP LEAD-IN CABLE SHALL BE 2C-NO. 14 SHIELDED
2. ALL REPLACED AC. CABLE SHALL BE 2C-NO. 6
3. ALL REPLACED TELEPHONE INTERCONNECT CABLE SHALL BE 6C-NO. 19

INBOUND

NOTE:

IDOT RECORD PLANS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF WORK ASSOCIATED WITH REPLACEMENT OF INDUCTION LOOPS, LEAD-IN CABLE AND RELATED WORK.

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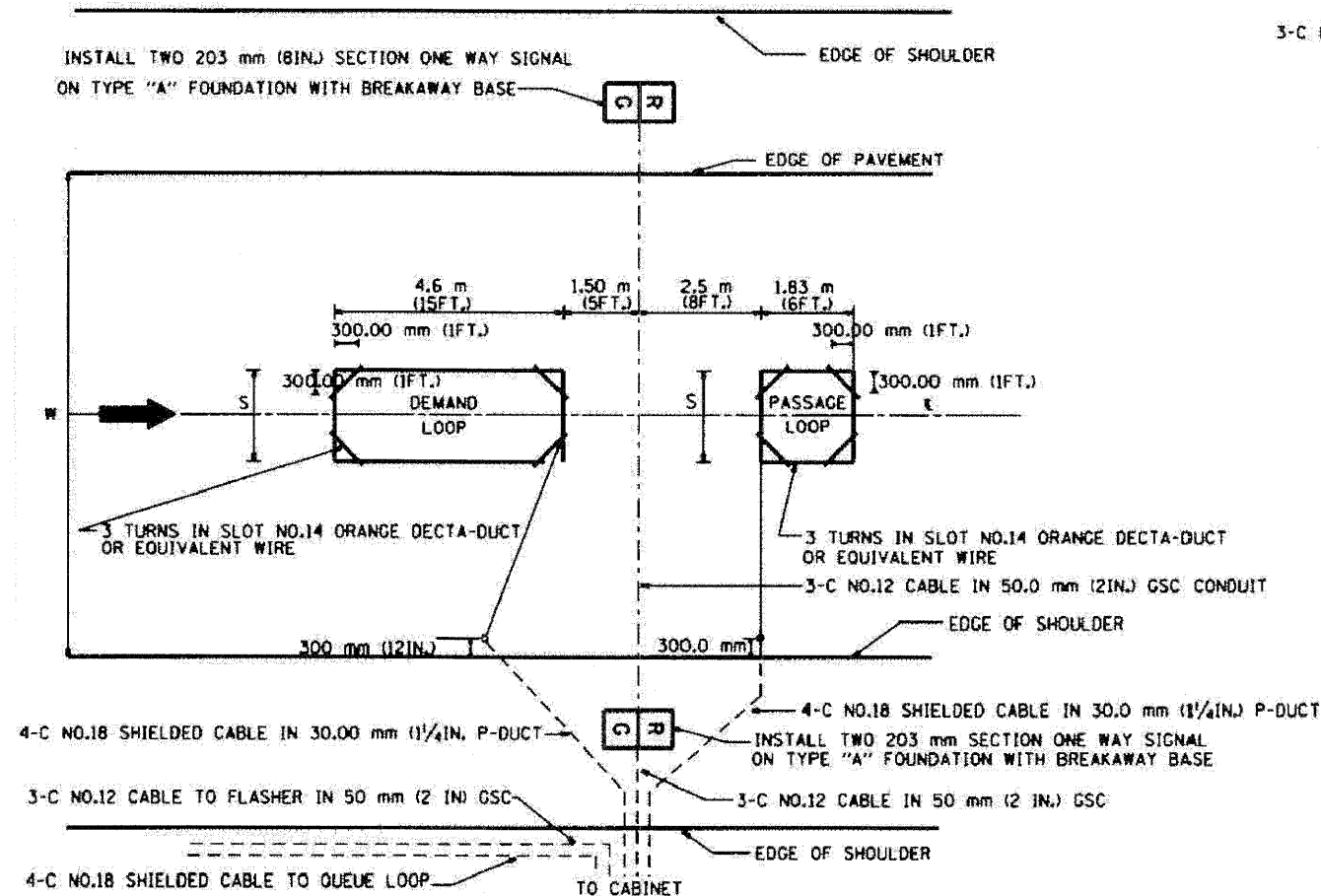
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

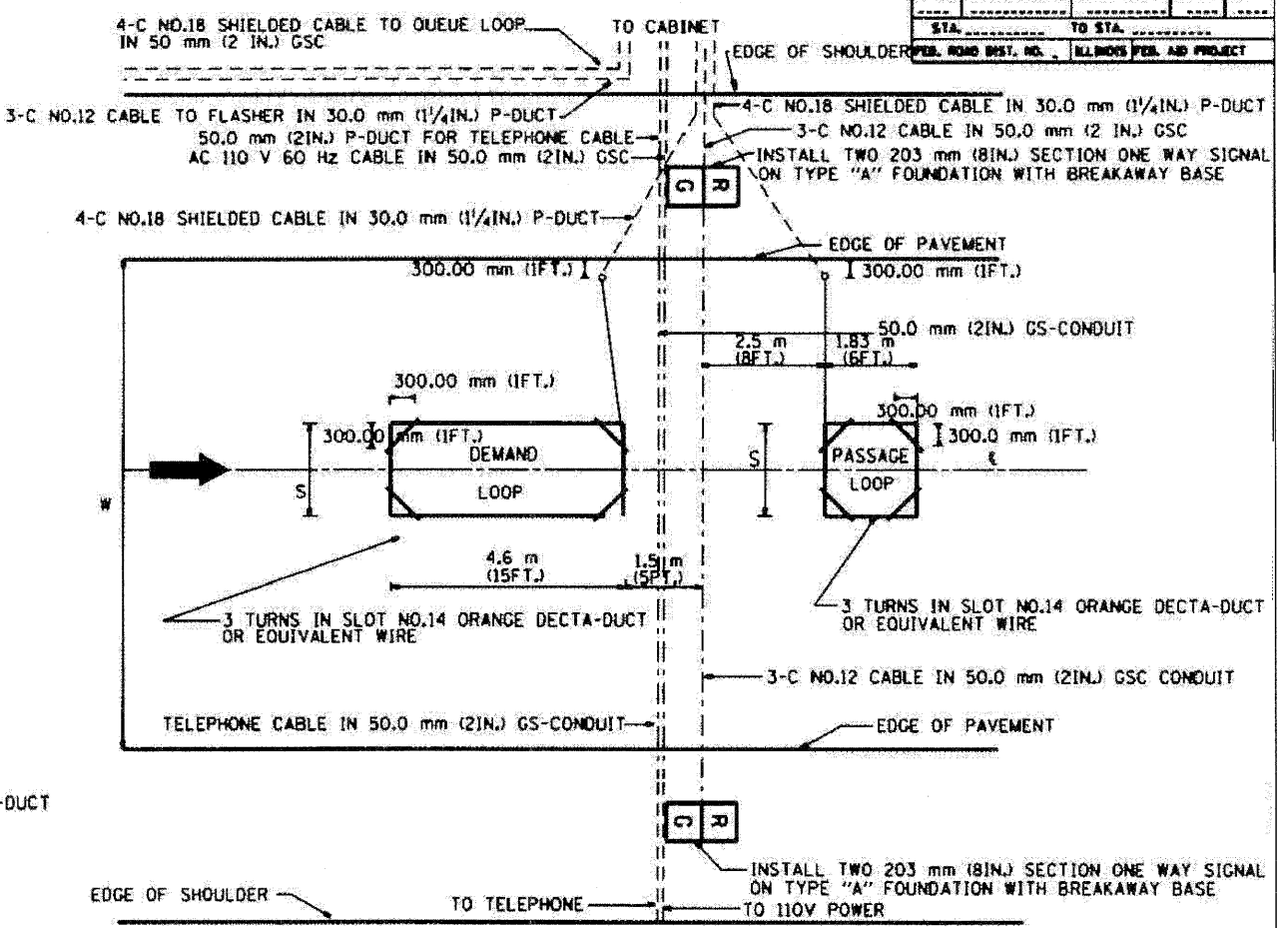
**TRAFFIC SURVEILLANCE
CENTRAL AVE INSTALLATION**

SCALE: N.T.S. SHEET NO. 15 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D, ETC., 3031.1)RS-6	COOK	185	155
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	



TYPICAL SIGNAL AND LOOP LAYOUT (TYPE I)



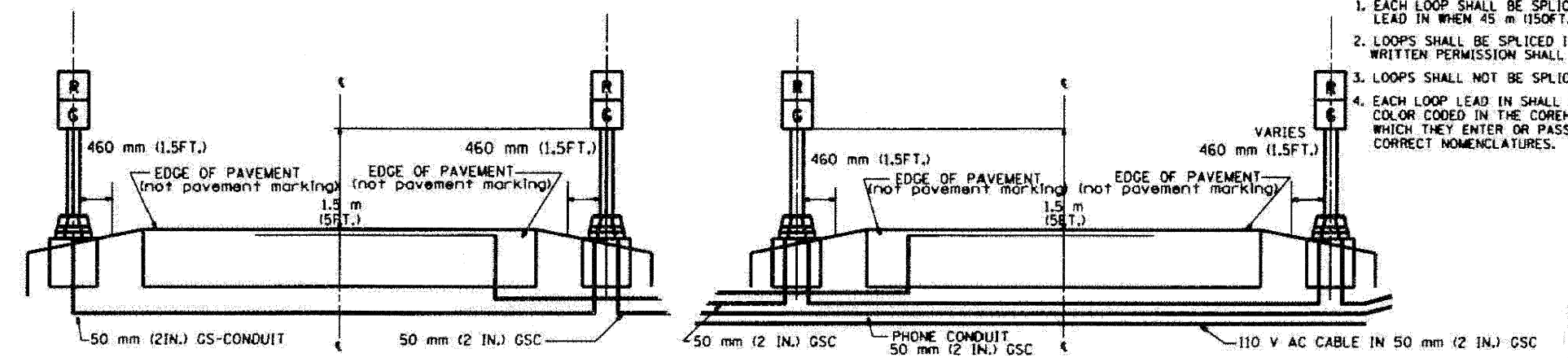
TYPICAL SIGNAL AND LOOP LAYOUT (TYPE II)

NOTE: ALL SIGNALS & FOUNDATIONS SHALL BE FIELD LOCATED FOR ACTUAL SITE AND TRAFFIC CONDITIONS.

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

TABLE 1

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



SECTION

SECTION

REVISION	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

**TYPICAL RAMP METERING
INSTALLATION TYPE I & II
(FOR RAMPS WITHOUT CURBS & GUTTERS)**

SCALE: NONE
DATE: 6-22-94

DRAWN BY: G.M.
CHECKED BY: R.L.

TRAFFIC SYSTEMS CENTER (TY-ITSC-400#1)

FILE NAME =	DESIGNED - GHT	REVISED -
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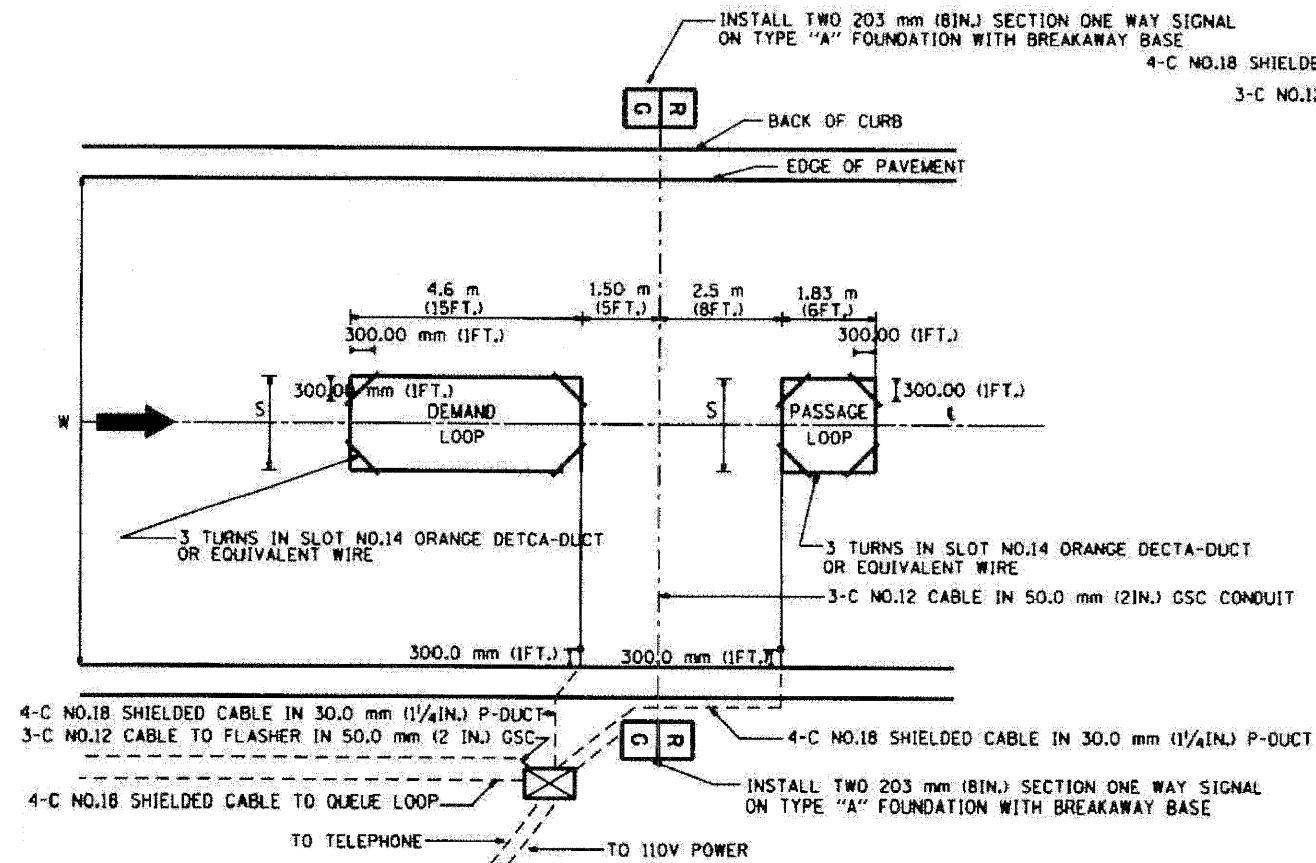
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

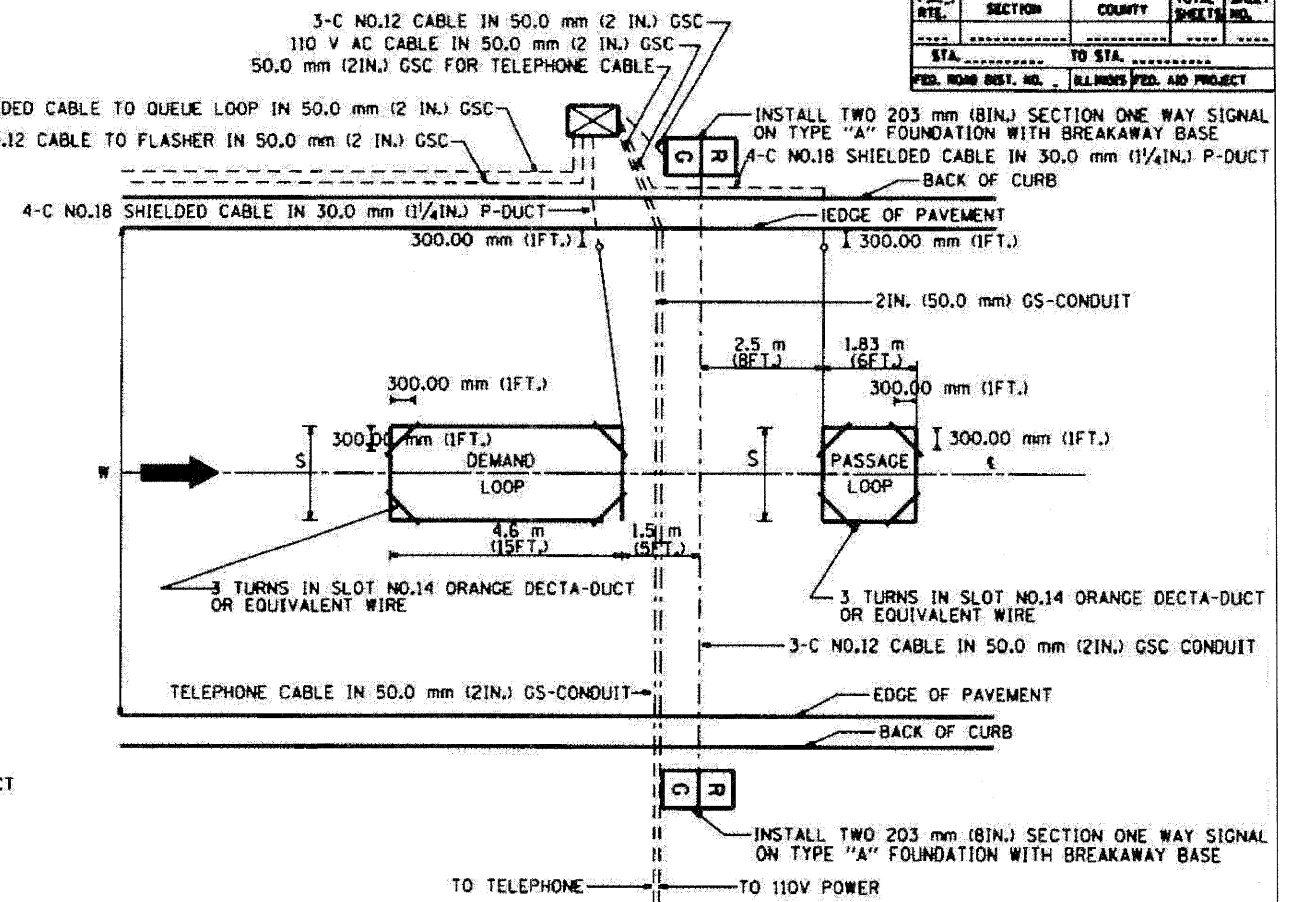
TRAFFIC SYSTEM CENTER DETAIL SHEETS	
SCALE: N.T.S.	SHEET NO. 1 OF 15 SHEETS
STA. _____	TO STA. _____

F.A.I. RTL.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. _____			CONTRACT NO. 60653	

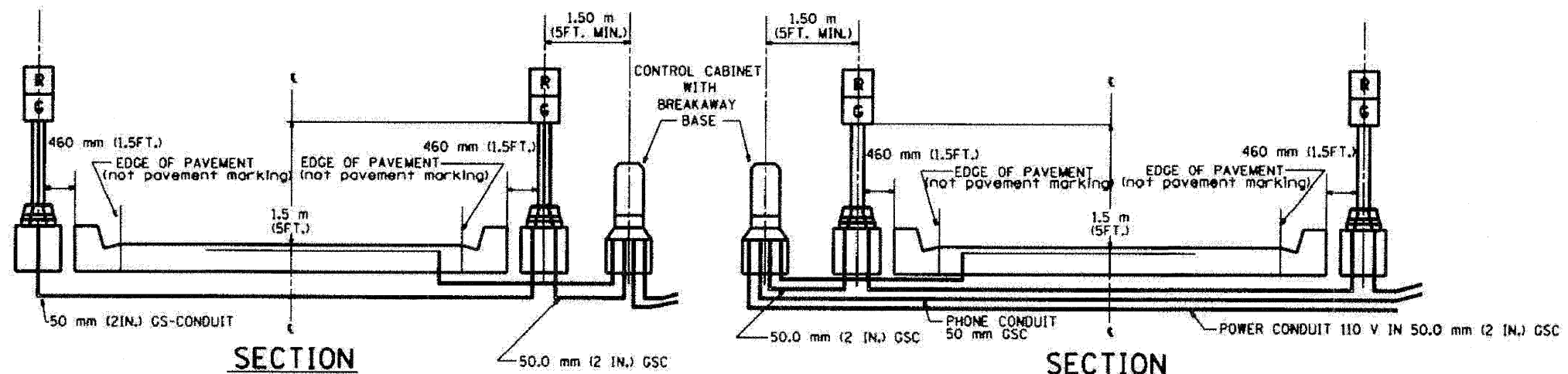
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT			



TYPICAL SIGNAL AND LOOP LAYOUT (TYPE I)



TYPICAL SIGNAL AND LOOP LAYOUT (TYPE II)



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

NOTES

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

REVISION	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
**TYPICAL RAMP METERING
INSTALLATION TYPE I & II
(WITH CURB & GUTTER)**

SCALE: VERT. NONE
DATE: 6-22-94
DRAWN BY: GJM
CHECKED BY: RL

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#2)

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benesch

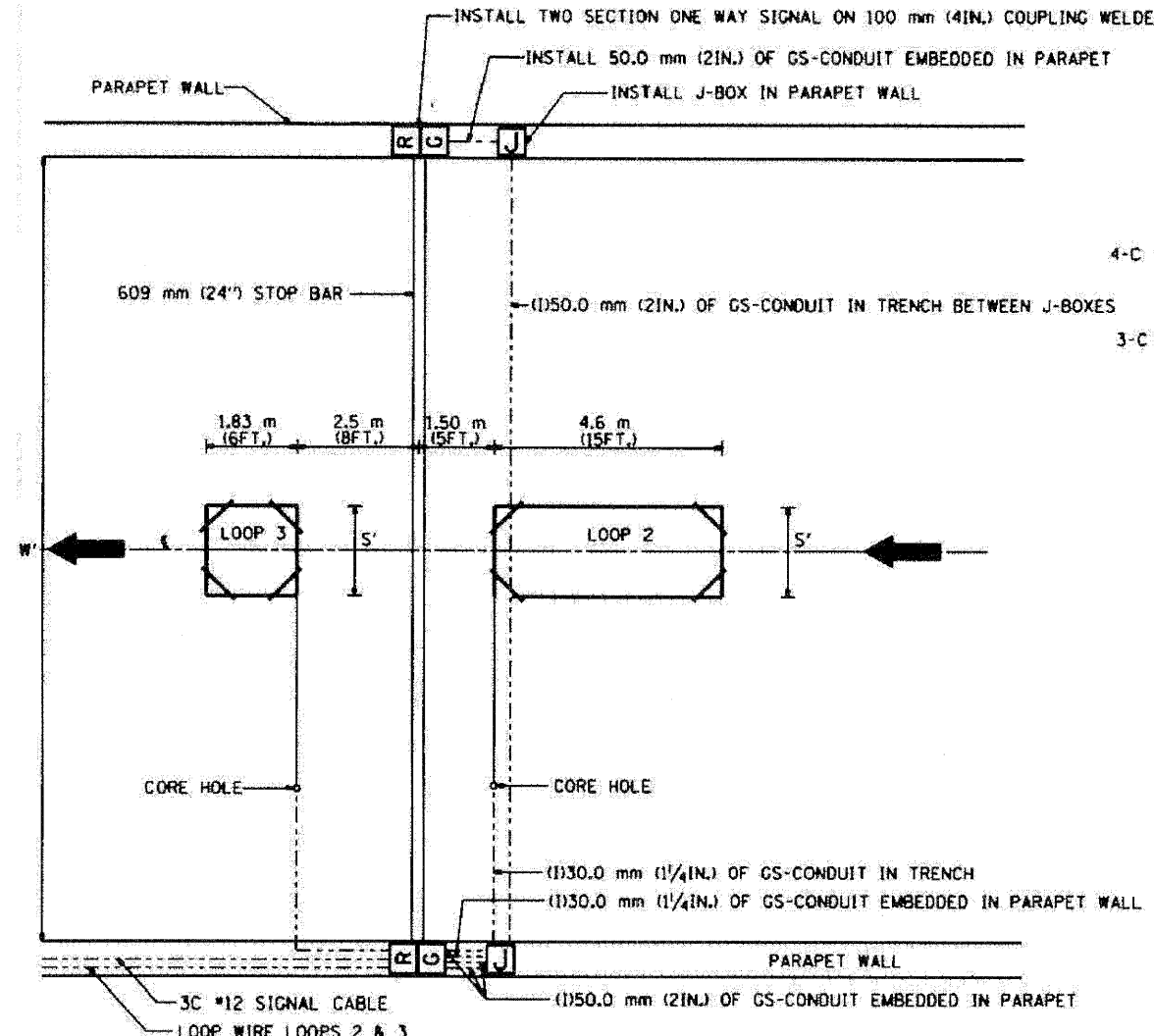
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER
DETAIL SHEETS

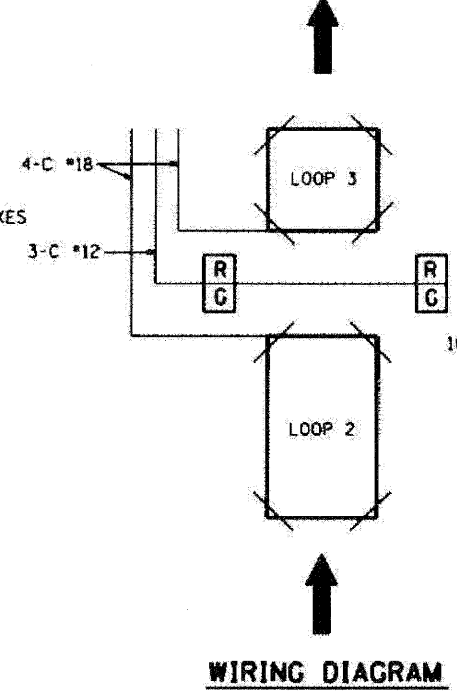
SCALE: N.T.S. SHEET NO. 2 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,URS-6	COOK	185	157
FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT			
			CONTRACT NO. 60G53	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

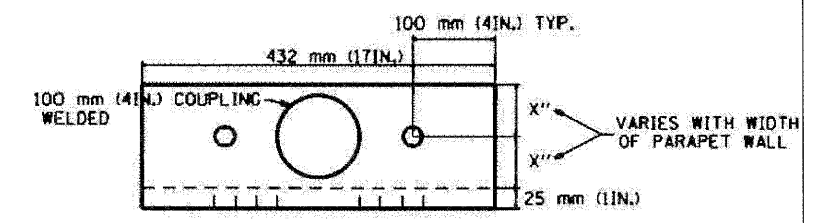


TYPICAL LOOP LAYOUT

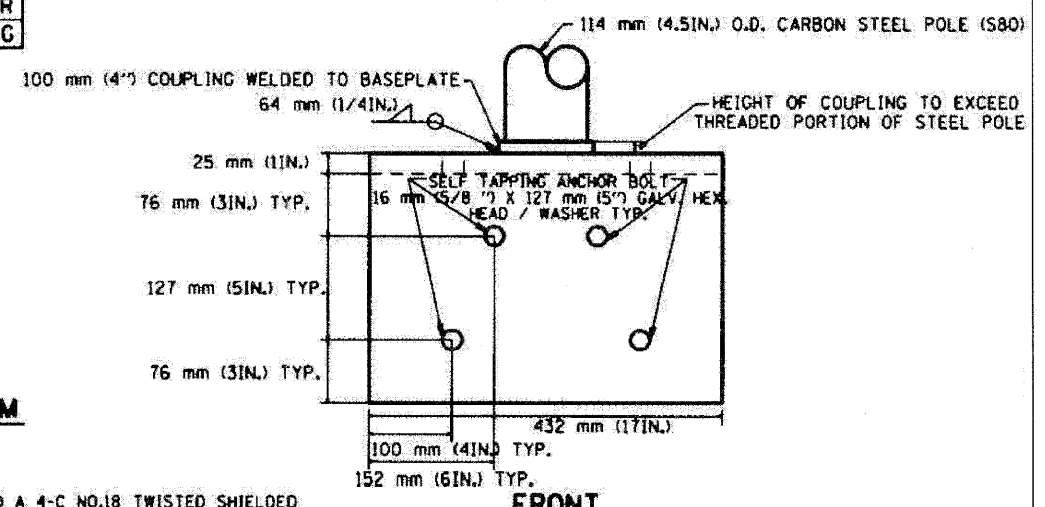


WIRING DIAGRAM

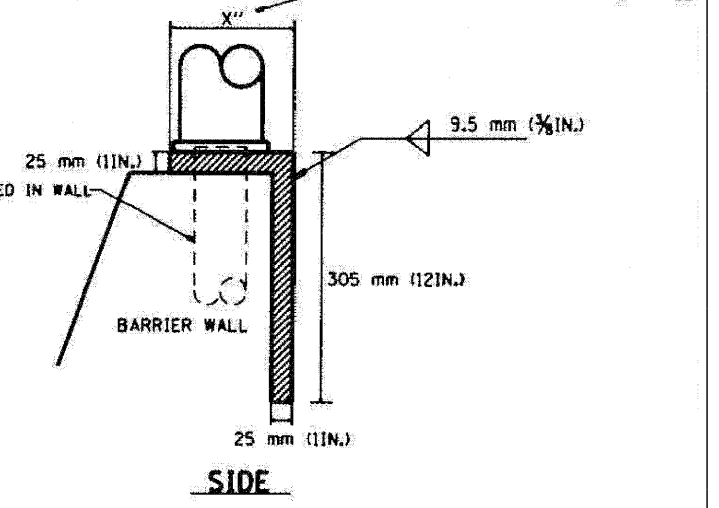
- NOTES**
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
 2. LOOPS SHALL BE SPLICED IN HANDHOLES OR J-BOX ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
 3. LOOPS SHALL NOT BE SPLICED IN SERIES.
 4. EACH LOOP LEAD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



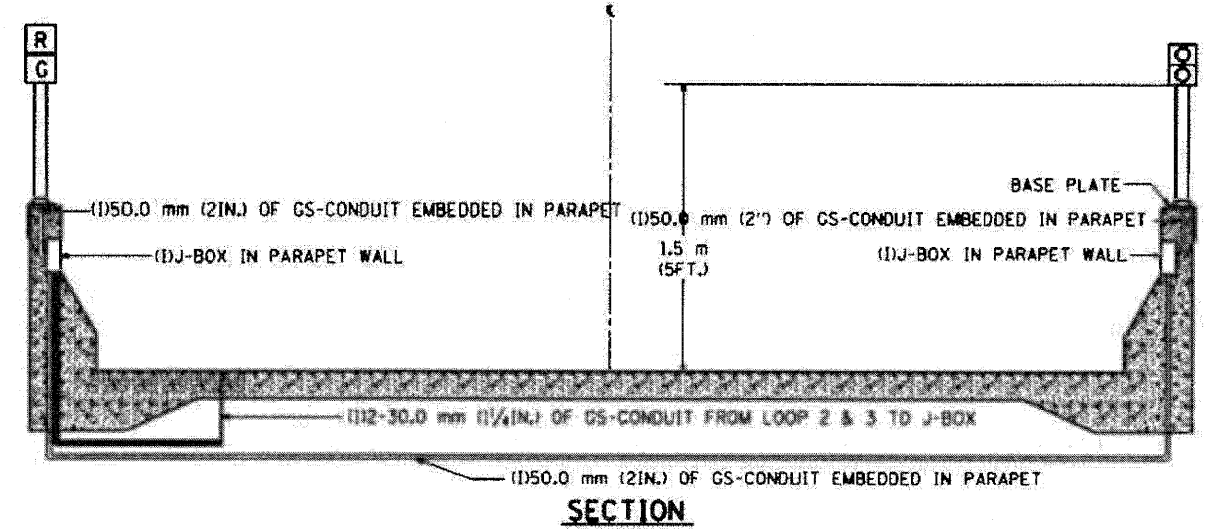
TOP



FRONT



SIDE



SECTION

TABLE 1

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER TYPICAL RAMP METERING TYPE 3 BARRIER WALL INSTALLATION
NAME	DATE	
R.L.	6/94	SCALE: VERT. NONE HORIZ. NONE DATE: 6-22-94
R.L.	2/96	
T.C.	9/96	
R.L.	2/98	
		DRAWN BY: G.M. CHECKED BY: R.L.

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#3)

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benesch

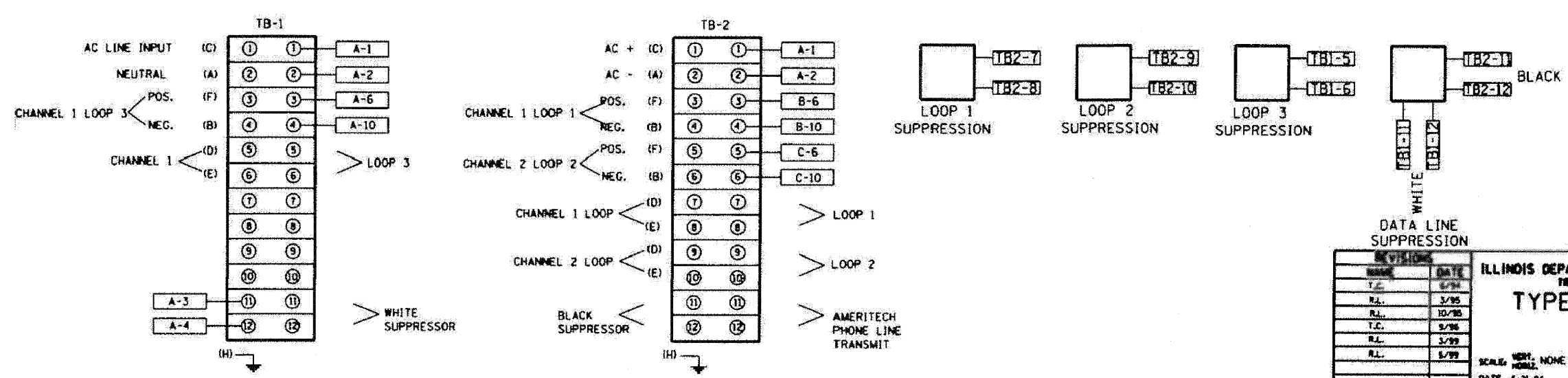
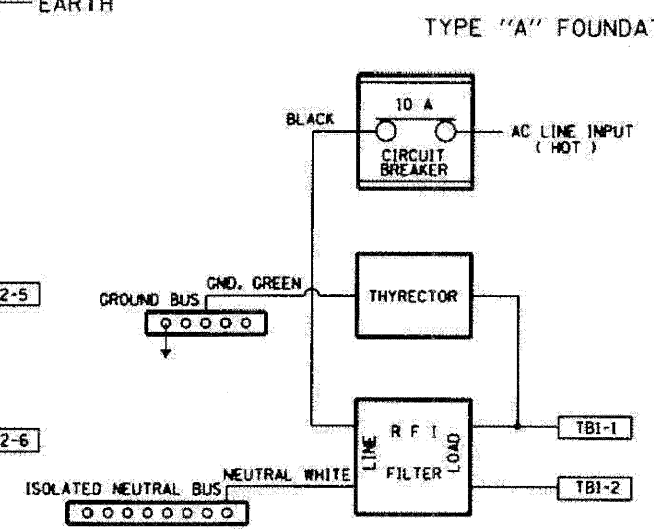
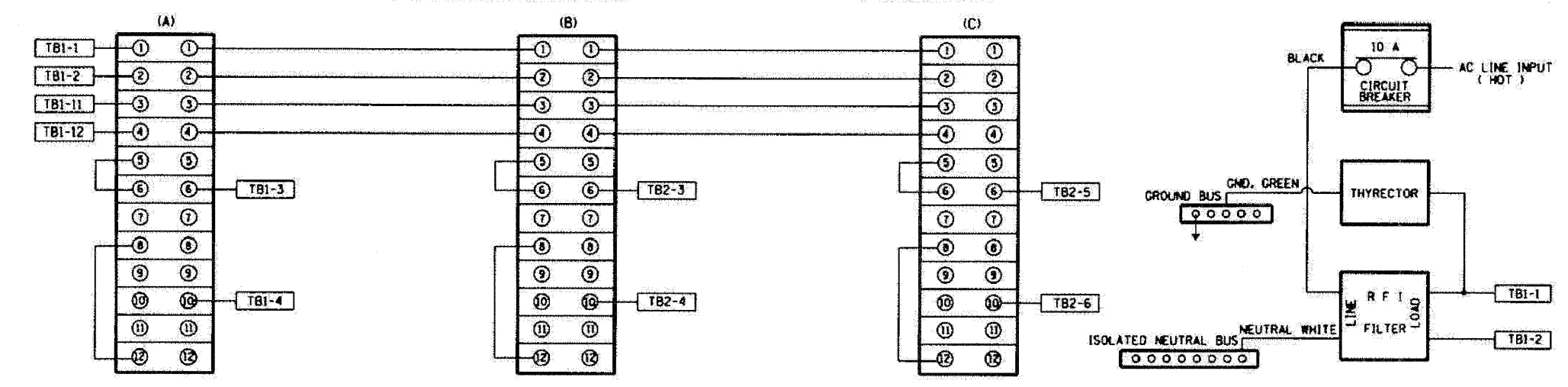
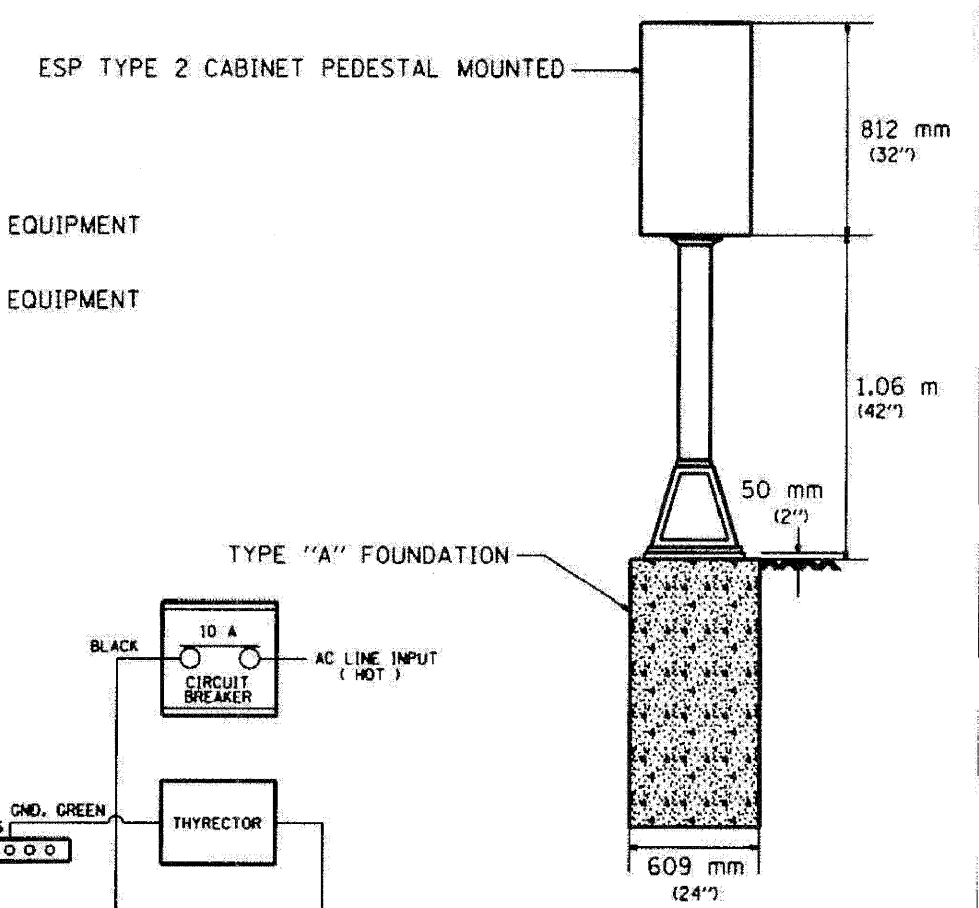
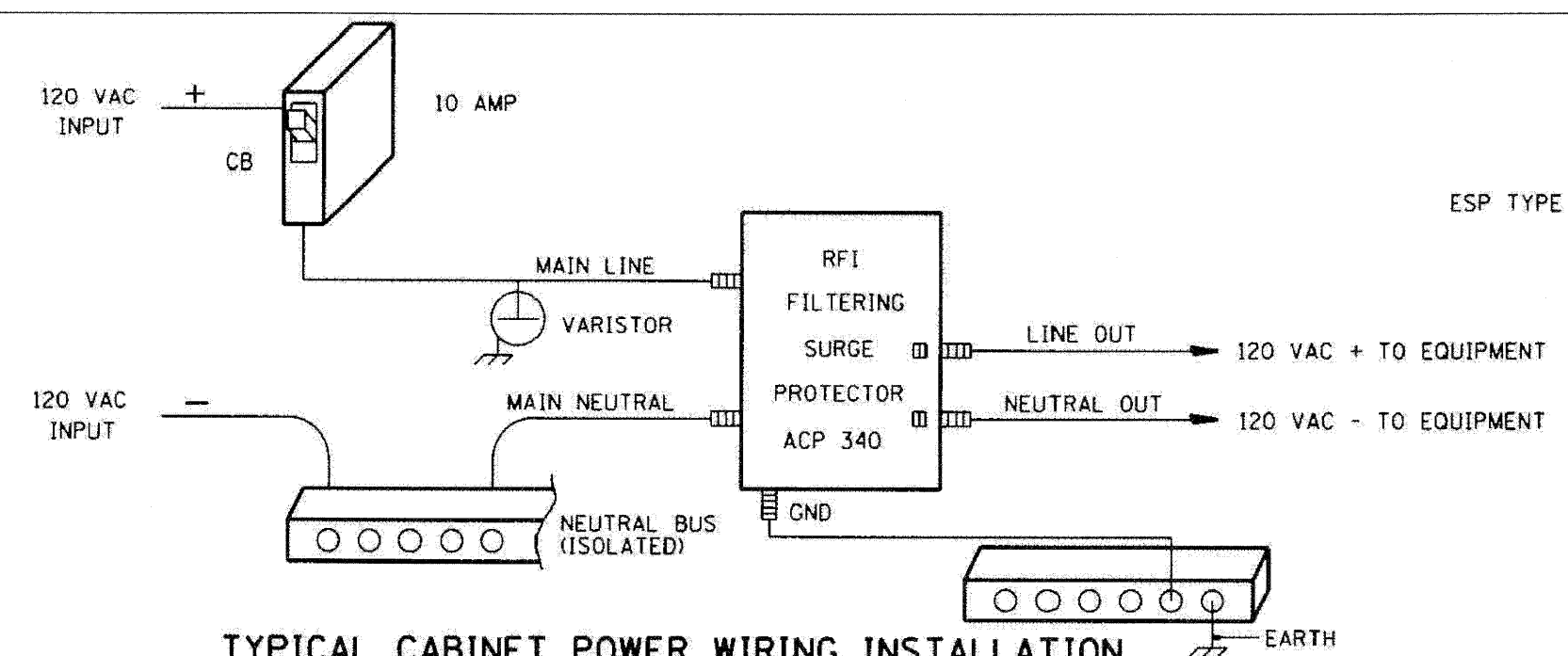
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SYSTEM CENTER
DETAIL SHEETS**

SCALE: N.T.S.	SHEET NO. 3 OF 15 SHEETS	STA. TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B.D. ETC., 3031,1RS-6		COOK	185	158
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60G53		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER TYPE II CABINET WIRING
NO.	DATE	
		SCALE: N.T.S. DATE: 6-21-94 DRAWN BY: G.M. CHECKED BY: T.C.
T.C.	5/91	
R.L.	3/95	
R.L.	10/95	
T.C.	5/96	
R.L.	3/99	CONTRACT NO. 60G53
R.L.	5/99	

TRAFFIC SYSTEMS CENTER (TY-1TSC-400*5)

FILE NAME =	DESIGNED - GHT	REVISED -
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USER NAME = blank	CHECKED - MPM	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

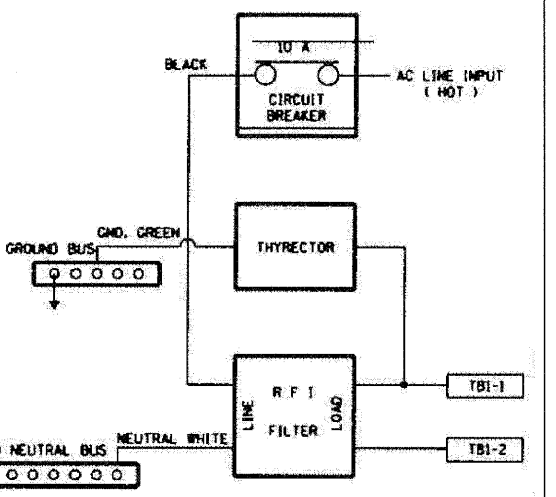
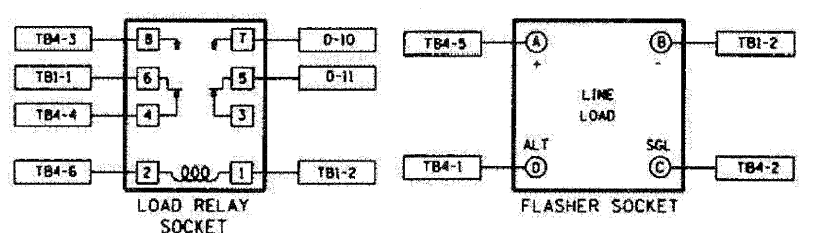
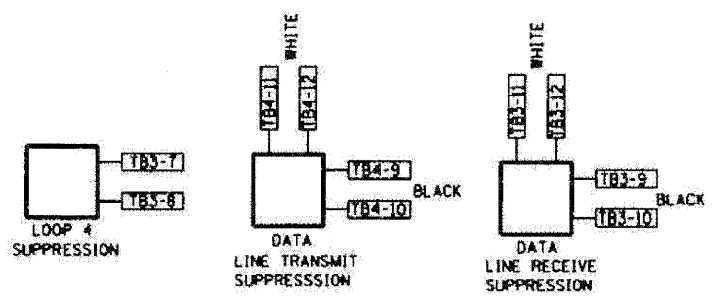
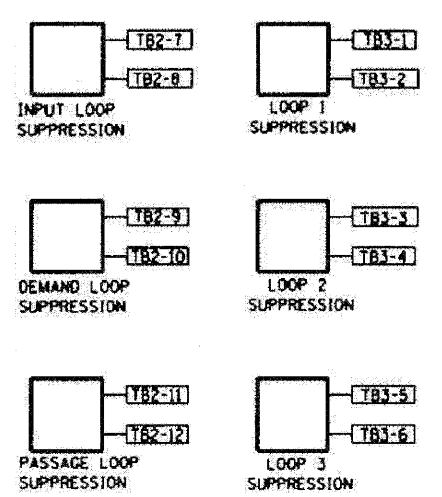
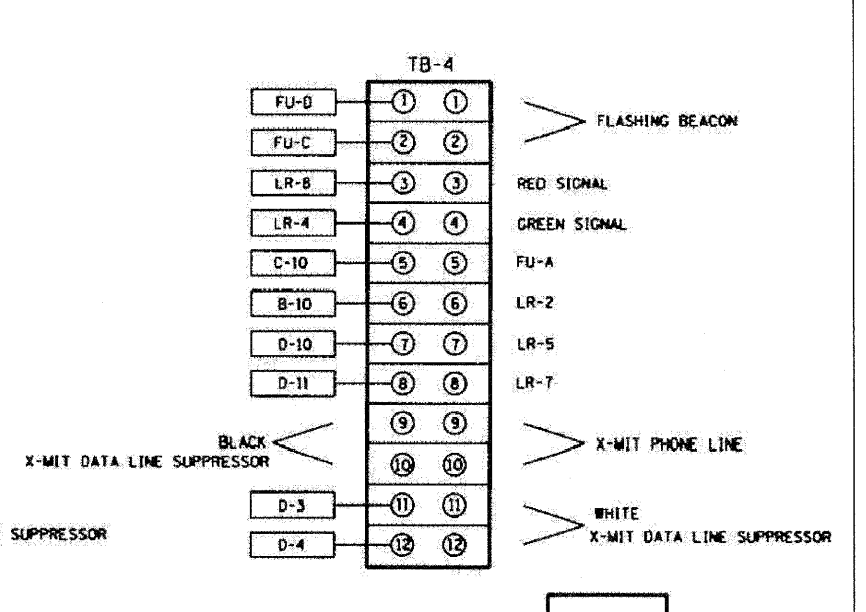
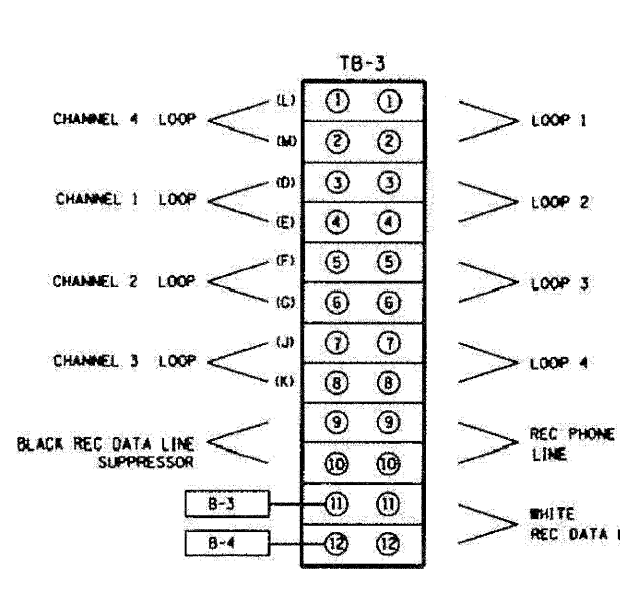
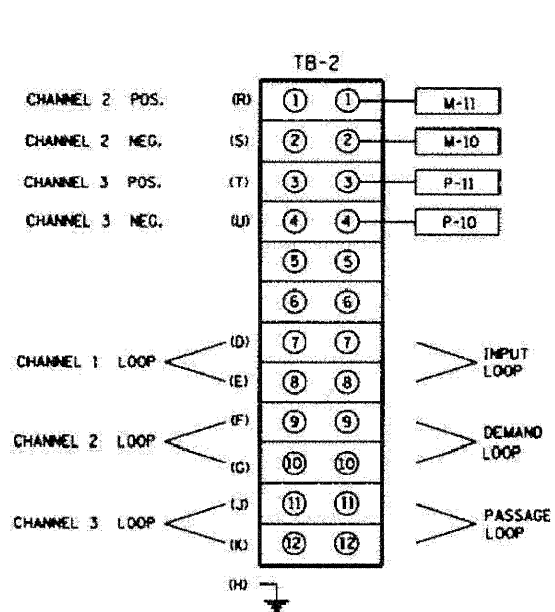
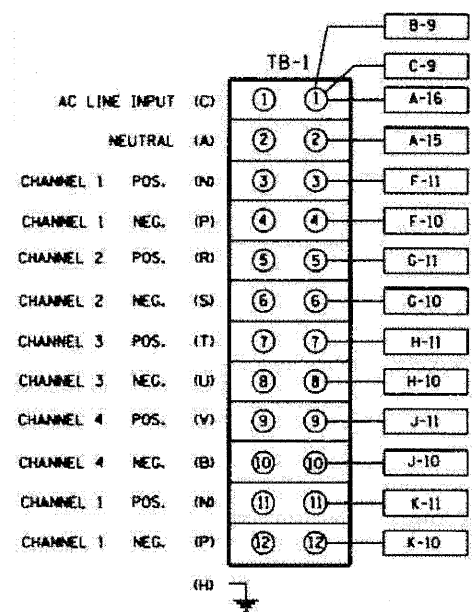
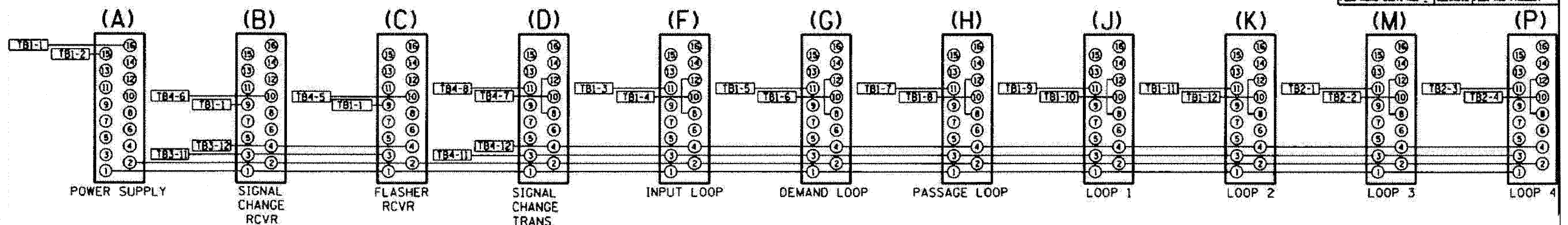
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER DETAIL SHEETS	
SCALE: N.T.S.	SHEET NO. 4 OF 15 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	159
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

BACK VIEW OF TONE RACK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



CABINET NO.		REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER METERING CABINET WIRING DIAGRAM SCALE: NONE DATE: 6/21/94 DRAWN BY: G.M. CHECKED BY: T.C.
NAME	DATE	NAME	DATE	
T.C.	6/94	R.L.	3/95	
R.L.	3/95	R.L.	3/95	

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#8)

FILE NAME -	DESIGNED - GHT	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

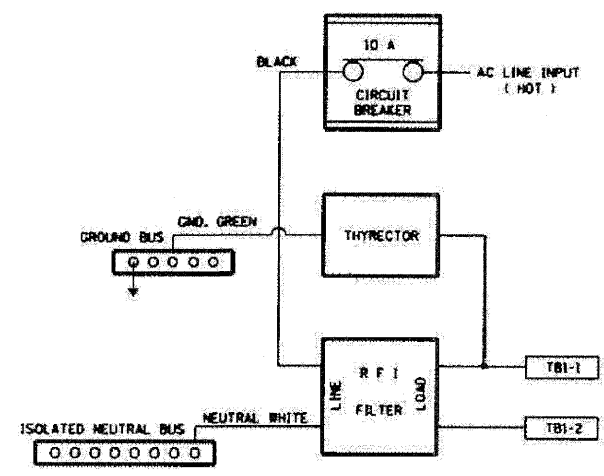
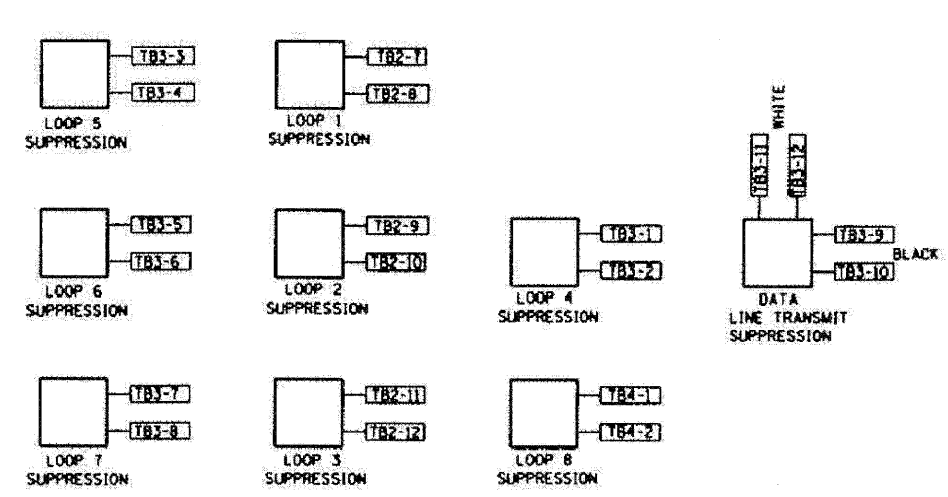
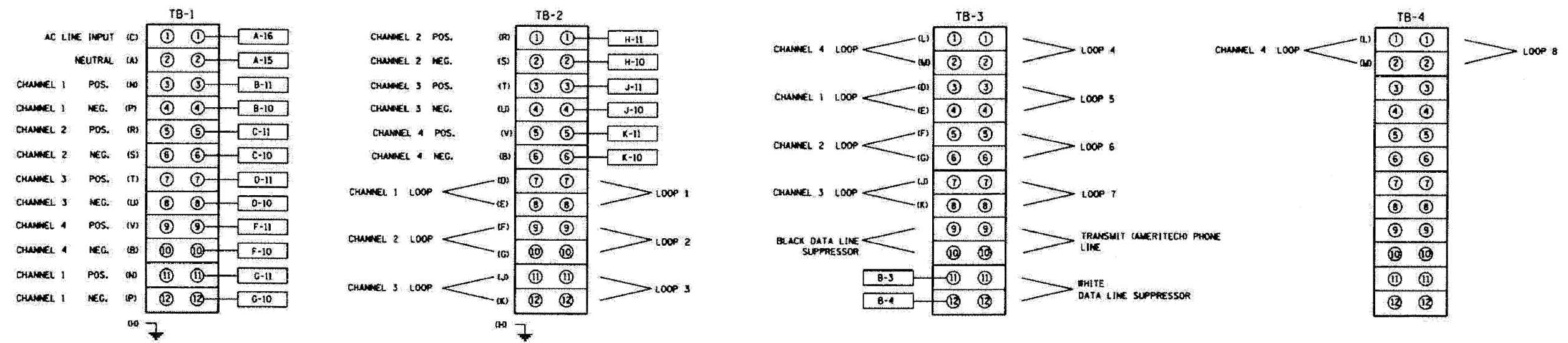
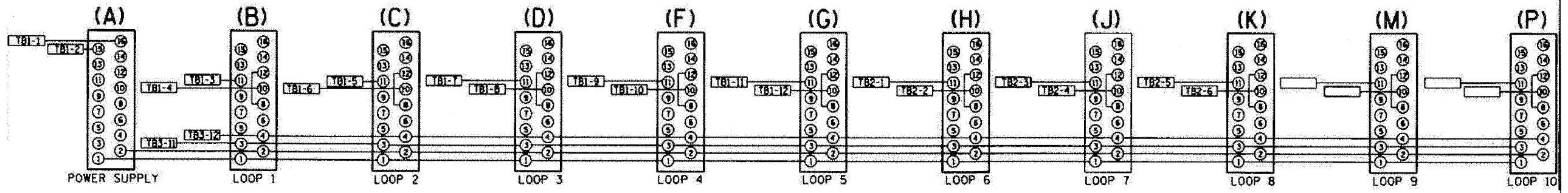
TRAFFIC SYSTEM CENTER
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 5 OF 15 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,IRS-6	COOK	185	160
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

BACK VIEW OF TONE RACK



REVISIONS		CABINET NO.
NO.	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
TYPE 3 CABINET WIRING DIAGRAM
SCALE: NEXT NONE
DATE 10/17/85
DRAWN BY G.M.
CHECKED BY R.L.

TRAFFIC SYSTEMS CENTER (TY-1TSC-400*13)

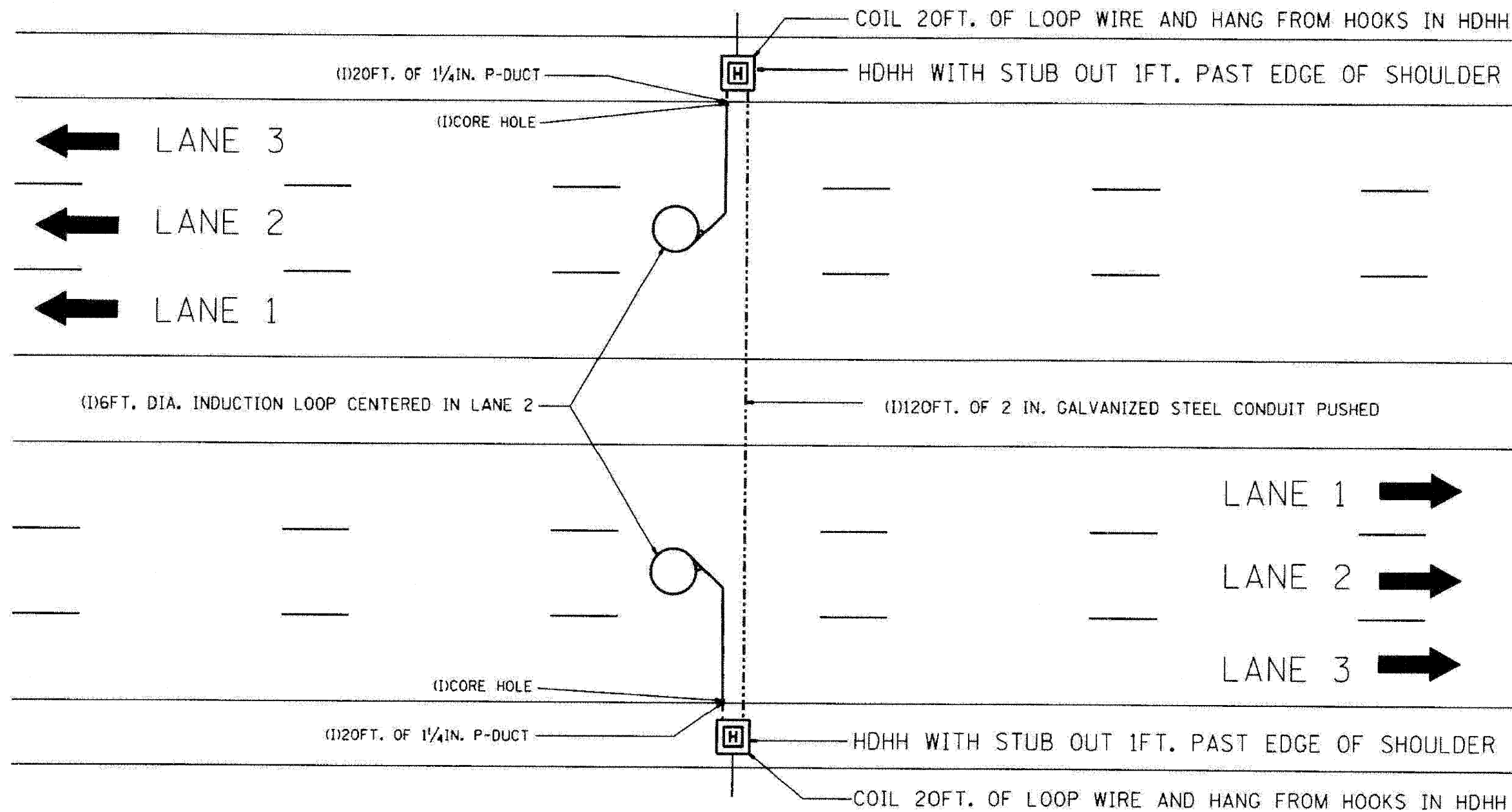
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PLOT DATE = 11/2/2009	DATE - 10/16/09	REVISED -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER
DETAIL SHEETS
SCALE: N.T.S. SHEET NO. 6 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031,1RS-6	COOK	185	161	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
				CONTRACT NO. 60C53

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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

INSTALL AT STATIONS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		ONE LANE COUNT STATION

SCALE: VERT. NONE
HORIZ. NONE
DATE 01-31-07

DRAWN BY: GJK
CHECKED BY: J.G.

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

FILE NAME =	DESIGNED - GHT	REVISED -
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USER NAME = tblank	CHECKED - MPM	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

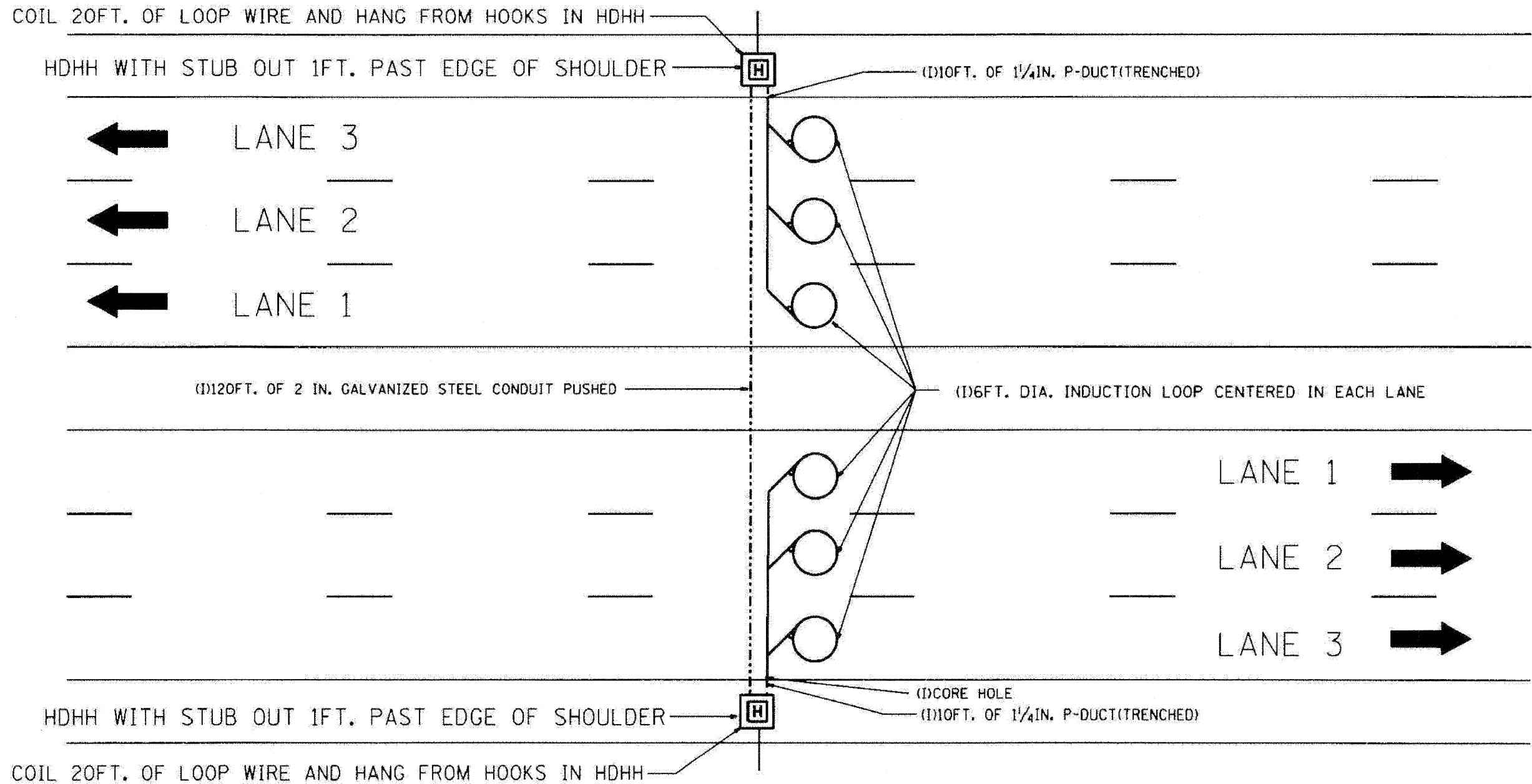
**TRAFFIC SYSTEM CENTER
DETAIL SHEETS**

SCALE: N.T.S. SHEET NO. 7 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	162
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 60053

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



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

INSTALL AT STATIONS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	DATE	3 LANE COUNT STATION	

SCALE: VERT. NONE
 HORIZ. NONE
 DATE 01-31-07
 DRAWN BY C.M.
 CHECKED BY J.G.

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

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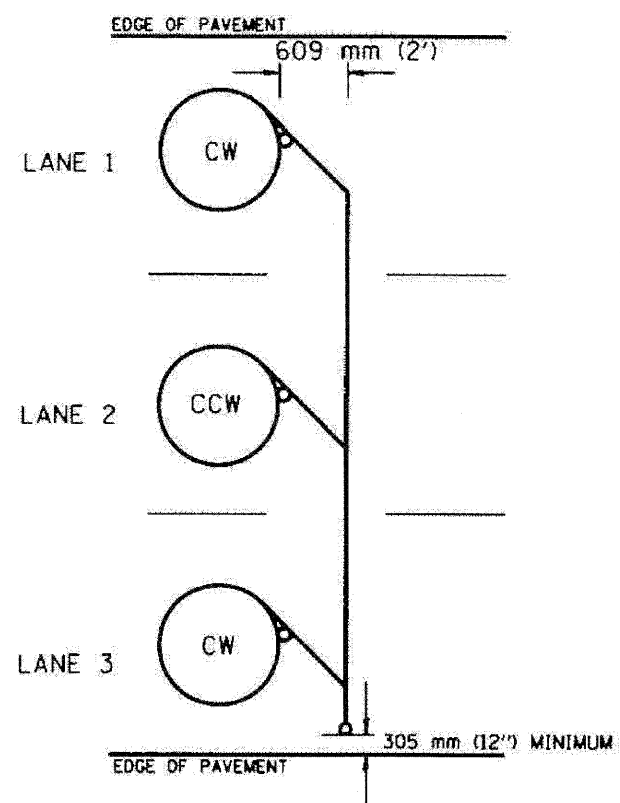
benesch

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

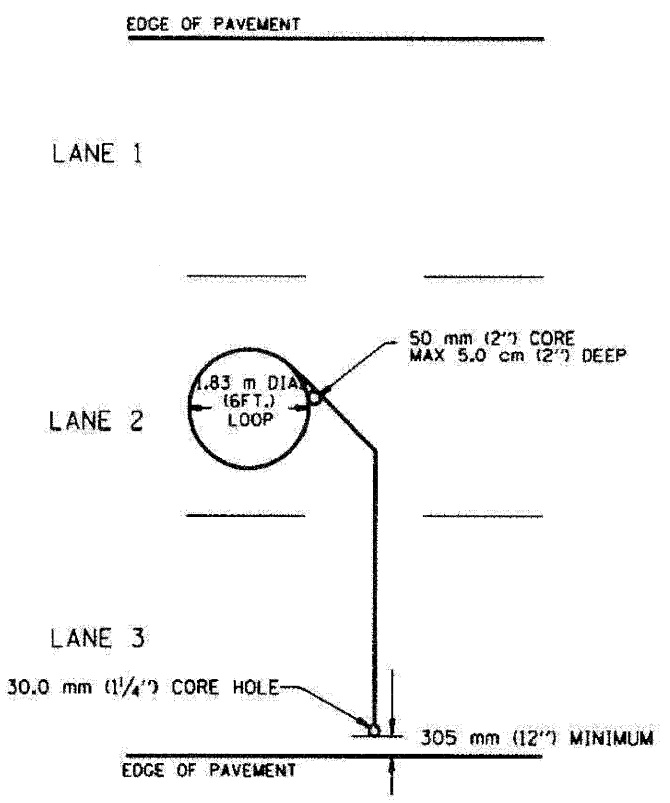
TRAFFIC SYSTEM CENTER DETAIL SHEETS	
SCALE: N.T.S.	SHEET NO. 8 OF 15 SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	163
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

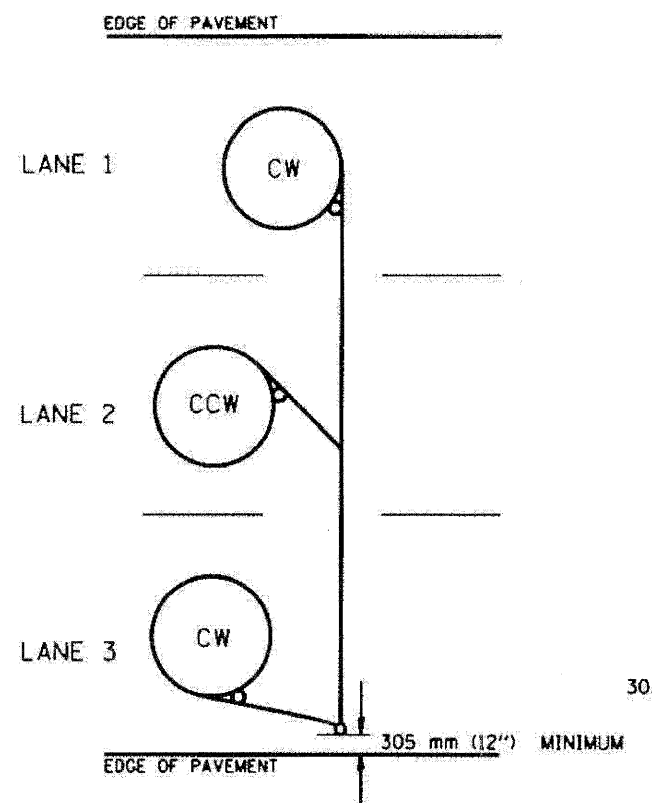
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		



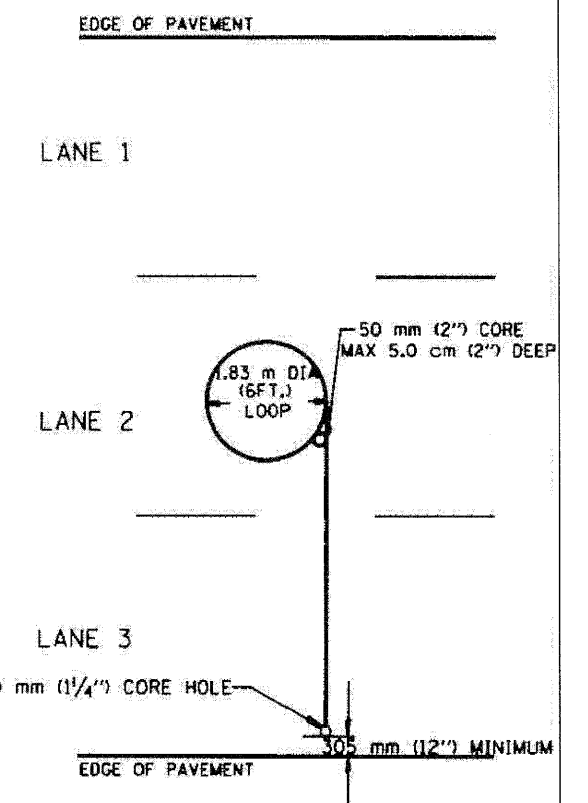
TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY



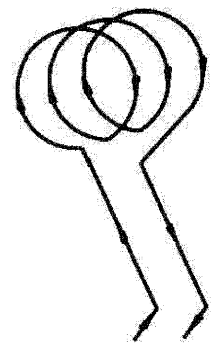
TYPICAL 1.83 m (6') DIA. INDUCTION LOOP LAYOUT FOR LANE 2



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP LAYOUT FOR LANE 2



WIRING DETAILS

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

REVISION	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
EXISTING ROUND LOOP
INSTALLATION**

SCALE: VERT. NONE
HORIZ. _____
DATE: 6-22-94

DRAWN BY: G.M.
CHECKED BY: R.J.

TRAFFIC SYSTEMS CENTER (TY-1TSC-418*1)

FILE NAME =	DESIGNED - GHT	REVISED -
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USER NAME = tblank	CHECKED - MPM	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

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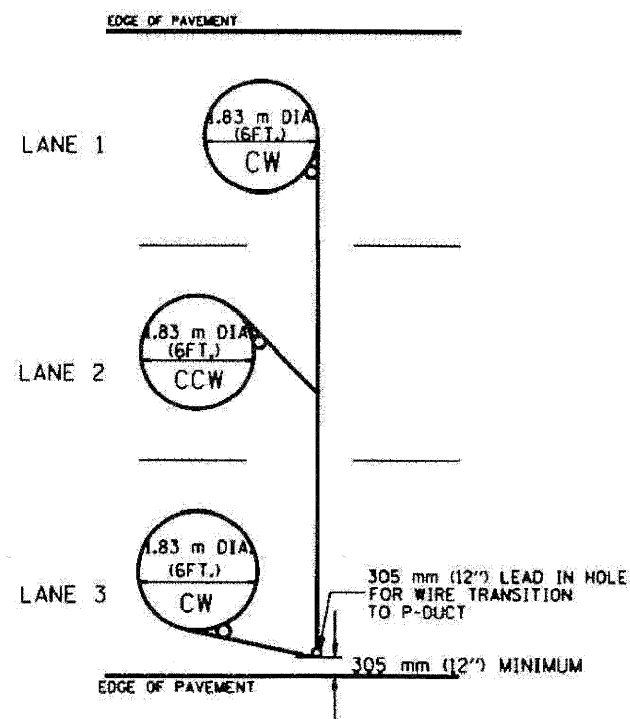
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SYSTEM CENTER
DETAIL SHEETS**

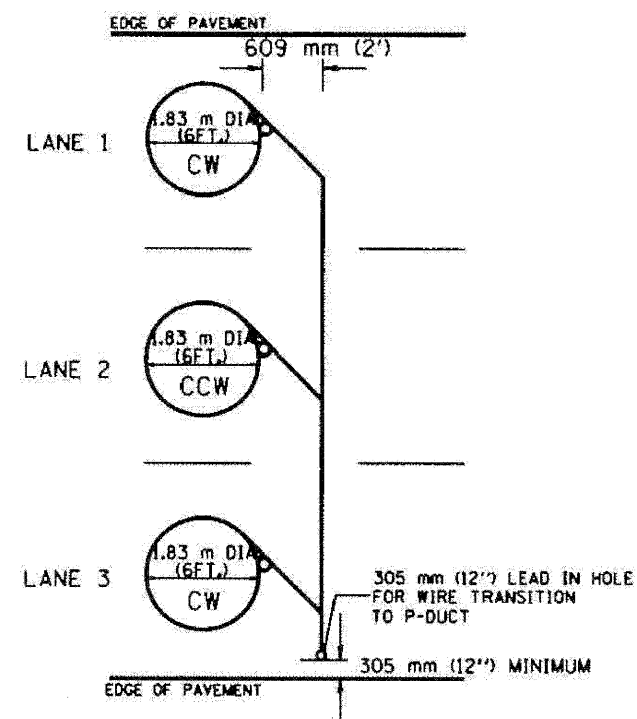
SCALE: N.T.S. SHEET NO. 9 OF 15 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,URS-6	COOK	185	164
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		
CONTRACT NO. 60C53				

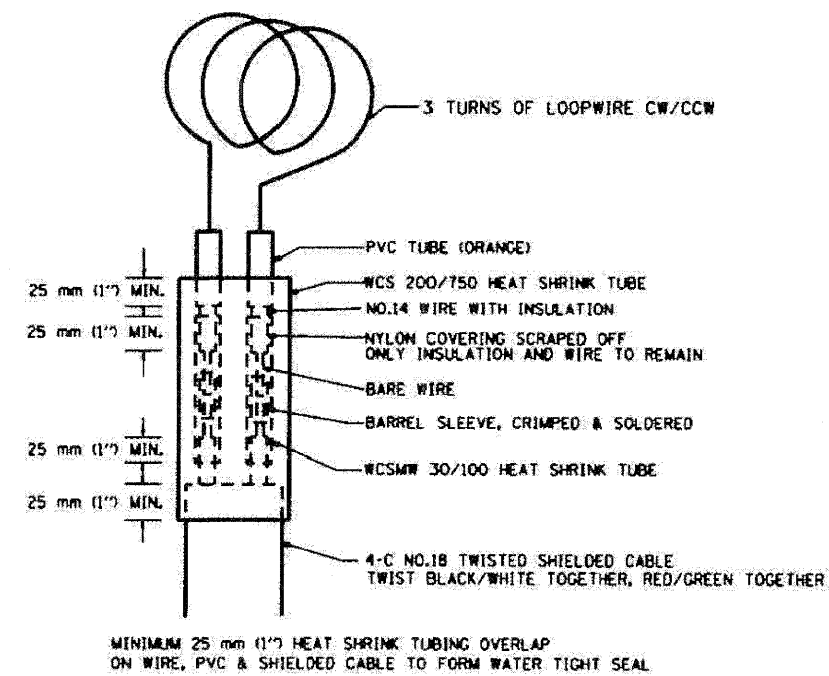
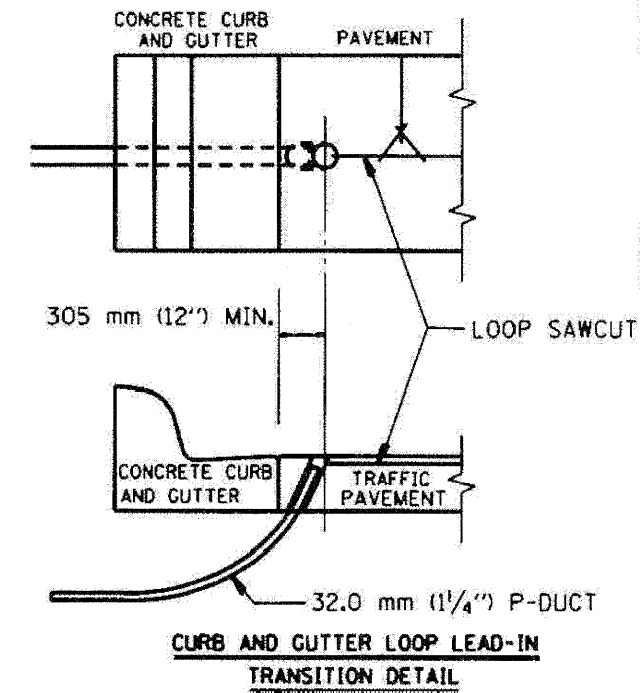
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



LOOP SPLICING REQUIREMENTS

NOTES

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER EXISTING ROUND INDUCTION LOOP TYPICALS	SCALE: VERT. NONE DATE 6-22-94	DRAWN BY G.M. CHECKED BY R.L.
NO.	DATE			
R.L.	6/94			
T.C.	10/96			

TRAFFIC SYSTEMS CENTER (TY-ITSC-418#2)

FILE NAME =	DESIGNED - GHT	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

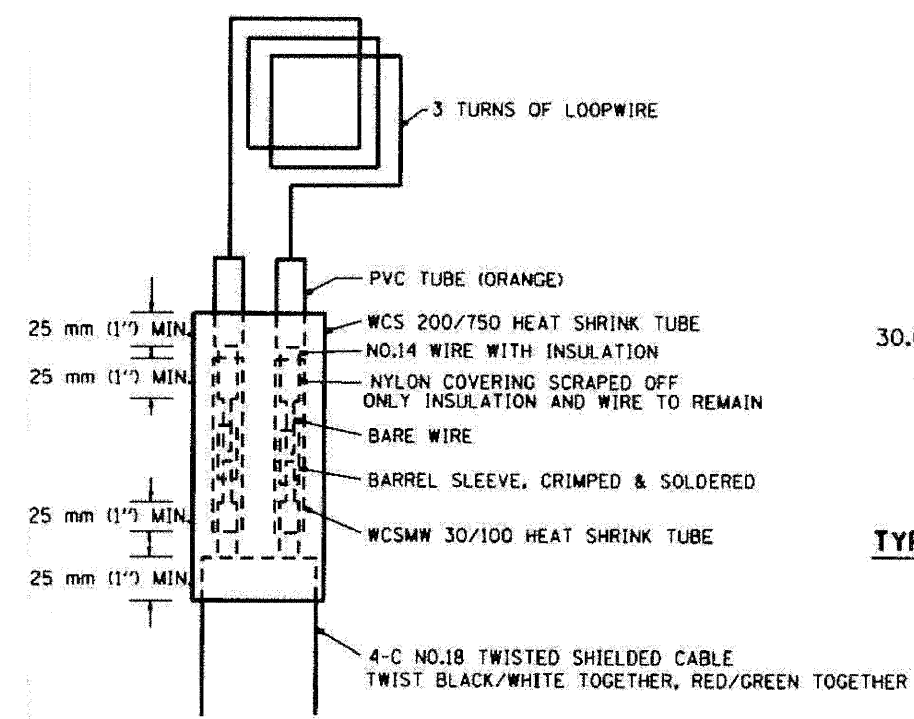
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 10 OF 15 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.DRS-6	COOK	185	165
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	

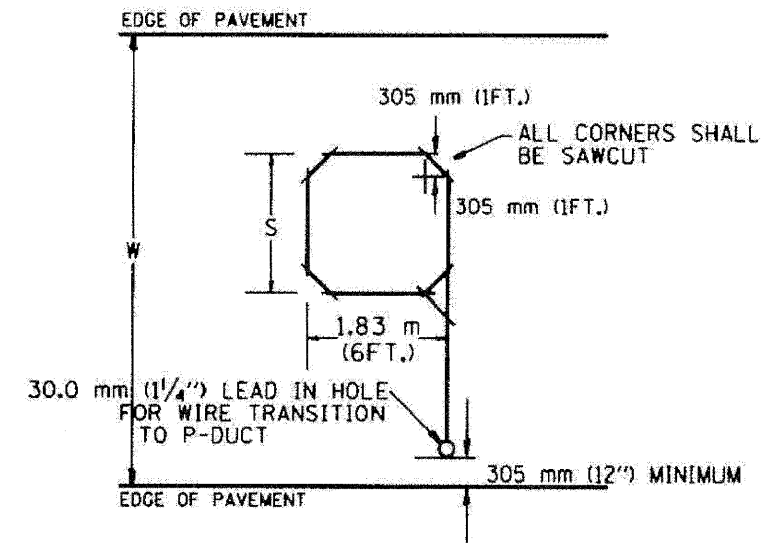
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



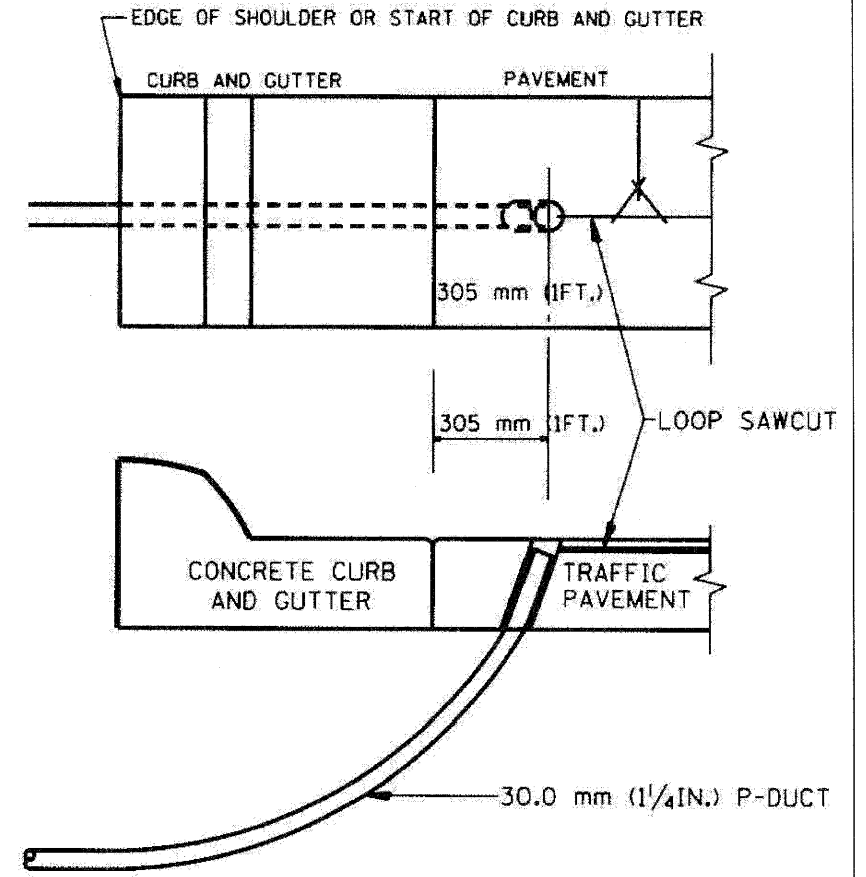
MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPLICING REQUIREMENTS

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



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



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

NOTES

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

REVISION	DATE
R.L.	6/94
T.C.	11/95
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
RECTANGULAR INDUCTION LOOP TYPICAL

SCALE: VERT. NONE
HORIZ. NONE
DATE 6-22-94

DRAWN BY G.M.
CHECKED BY R.L.

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

FILE NAME =	DESIGNED - GHT	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

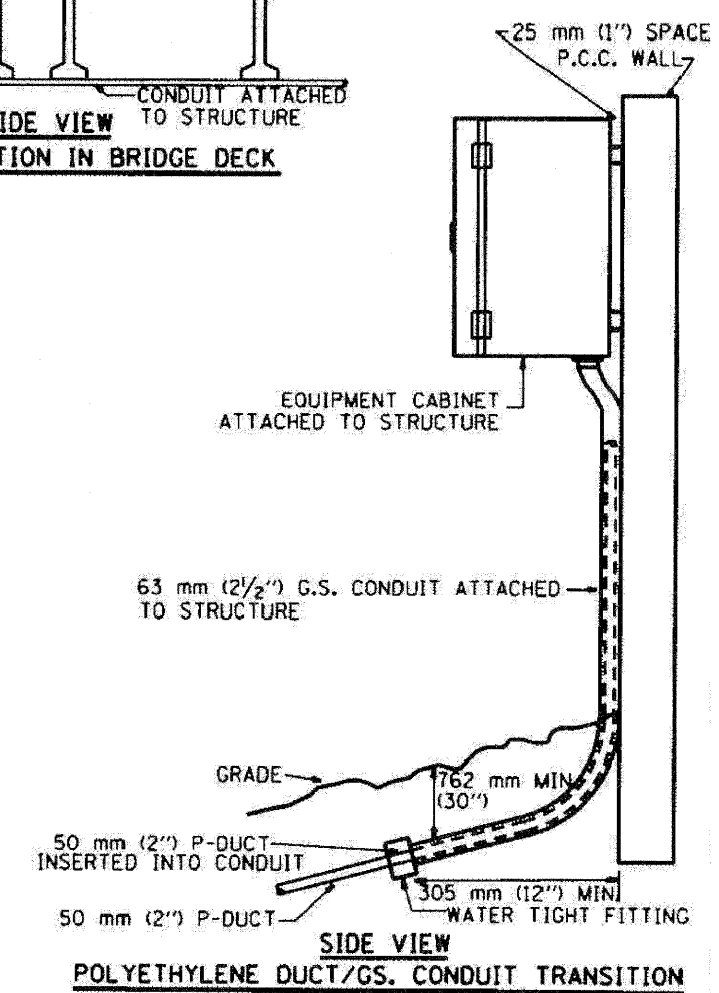
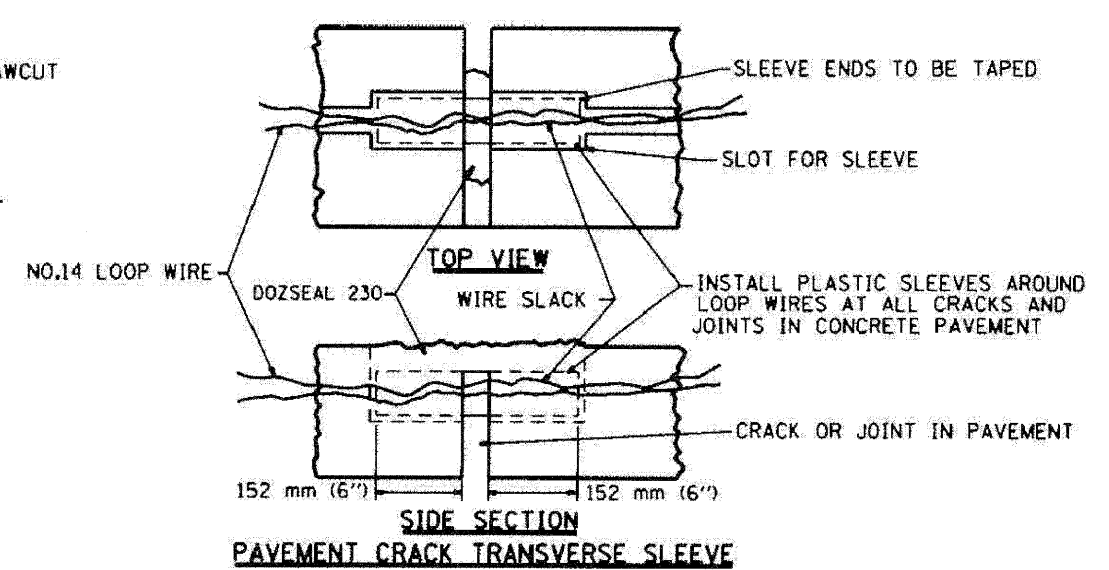
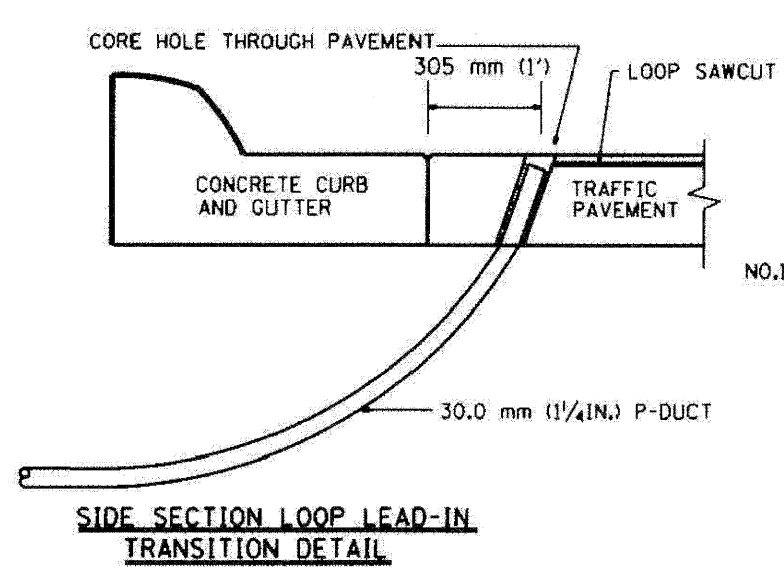
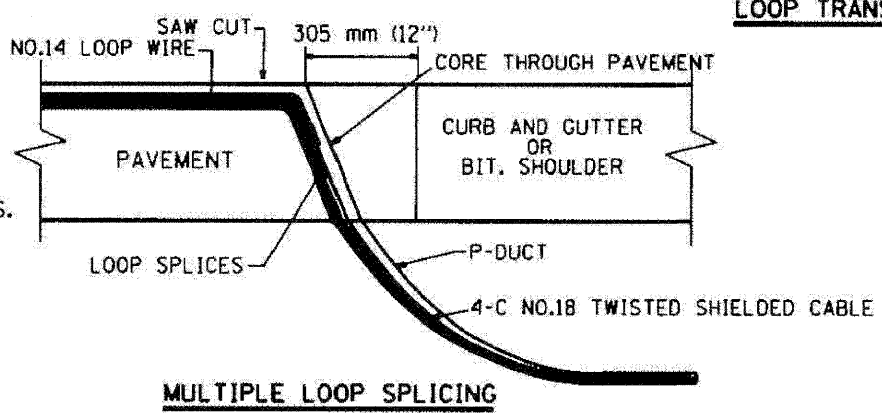
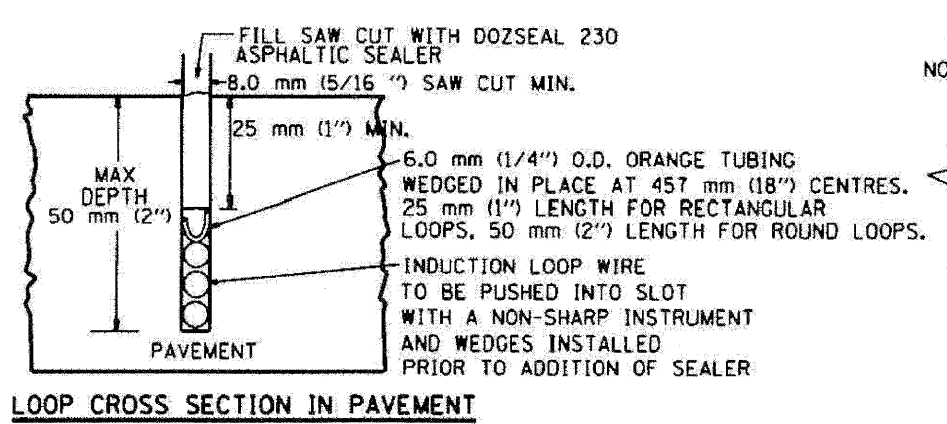
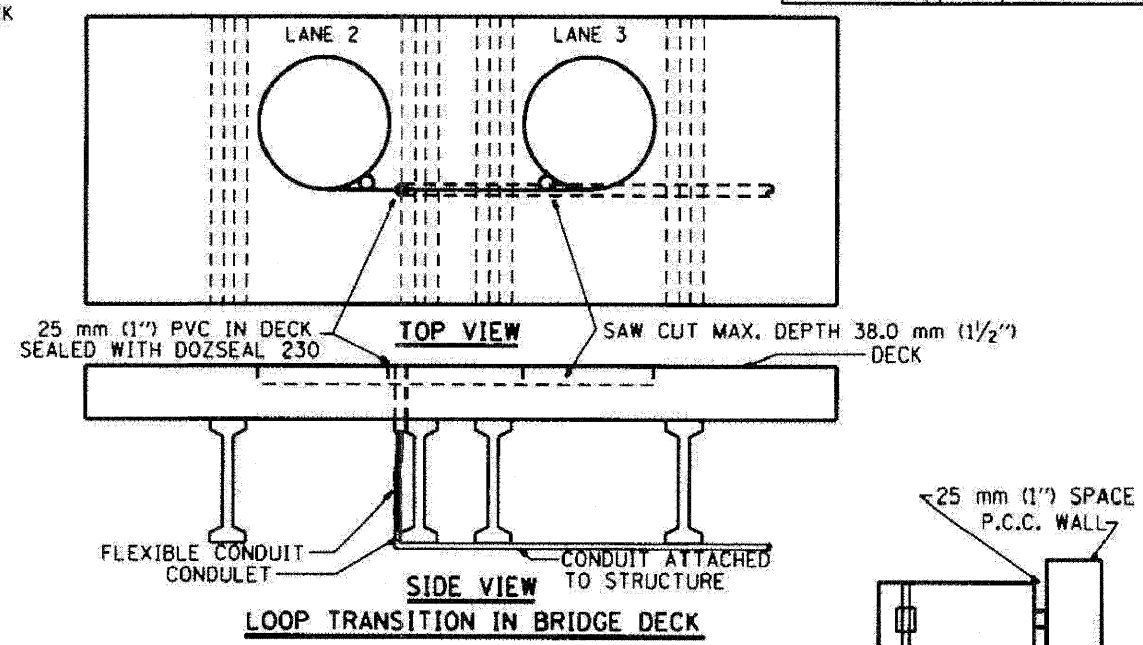
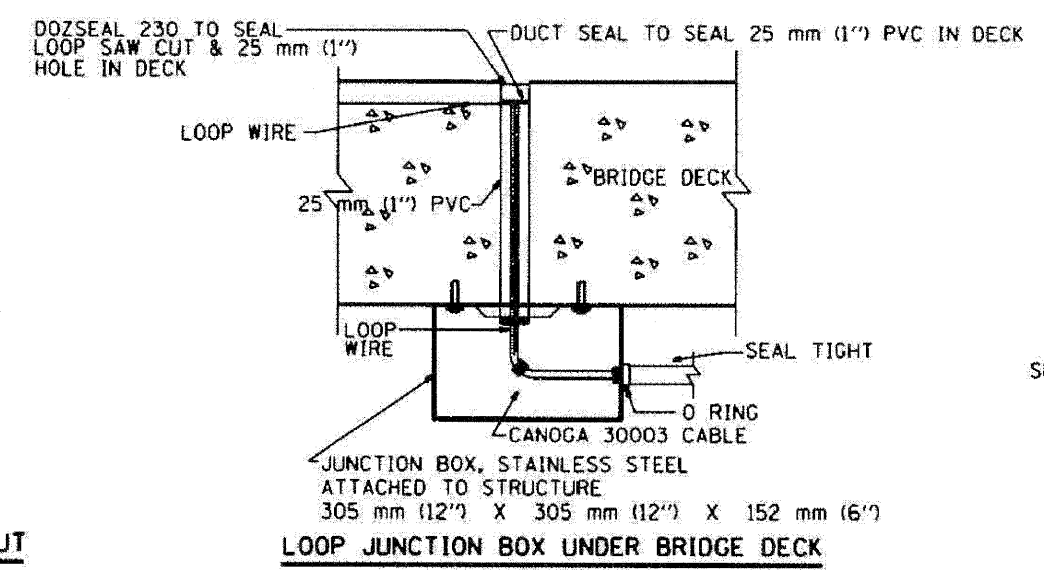
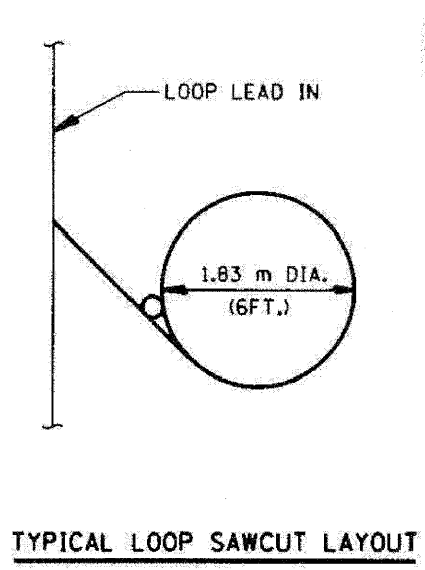
TRAFFIC SYSTEM CENTER
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 11 OF 15 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	166
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 60653

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
NAME	DATE	
R.L.	5/91	LOOP, CONDUIT & DUCT INSTALLATION DETAILS
R.L.	5/95	
T.C.	11/95	
R.L.	08/98	
T.C.	10/98	
SCALE: VERT. NONE		DRAWN BY: G.A. CHECKED BY: R.L.
DATE: 6-22-94		

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

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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

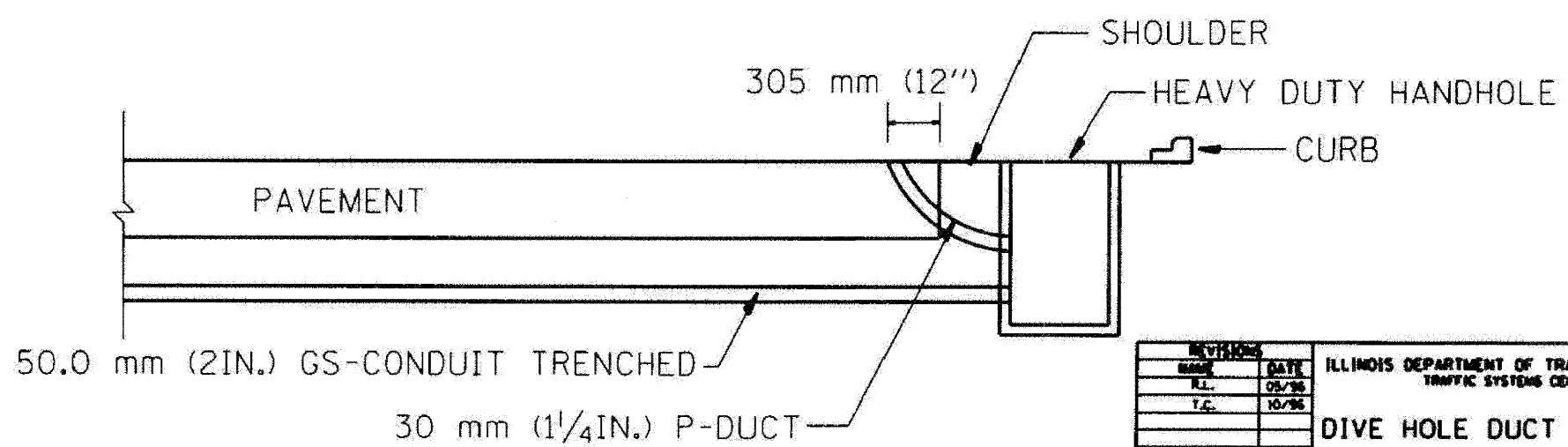
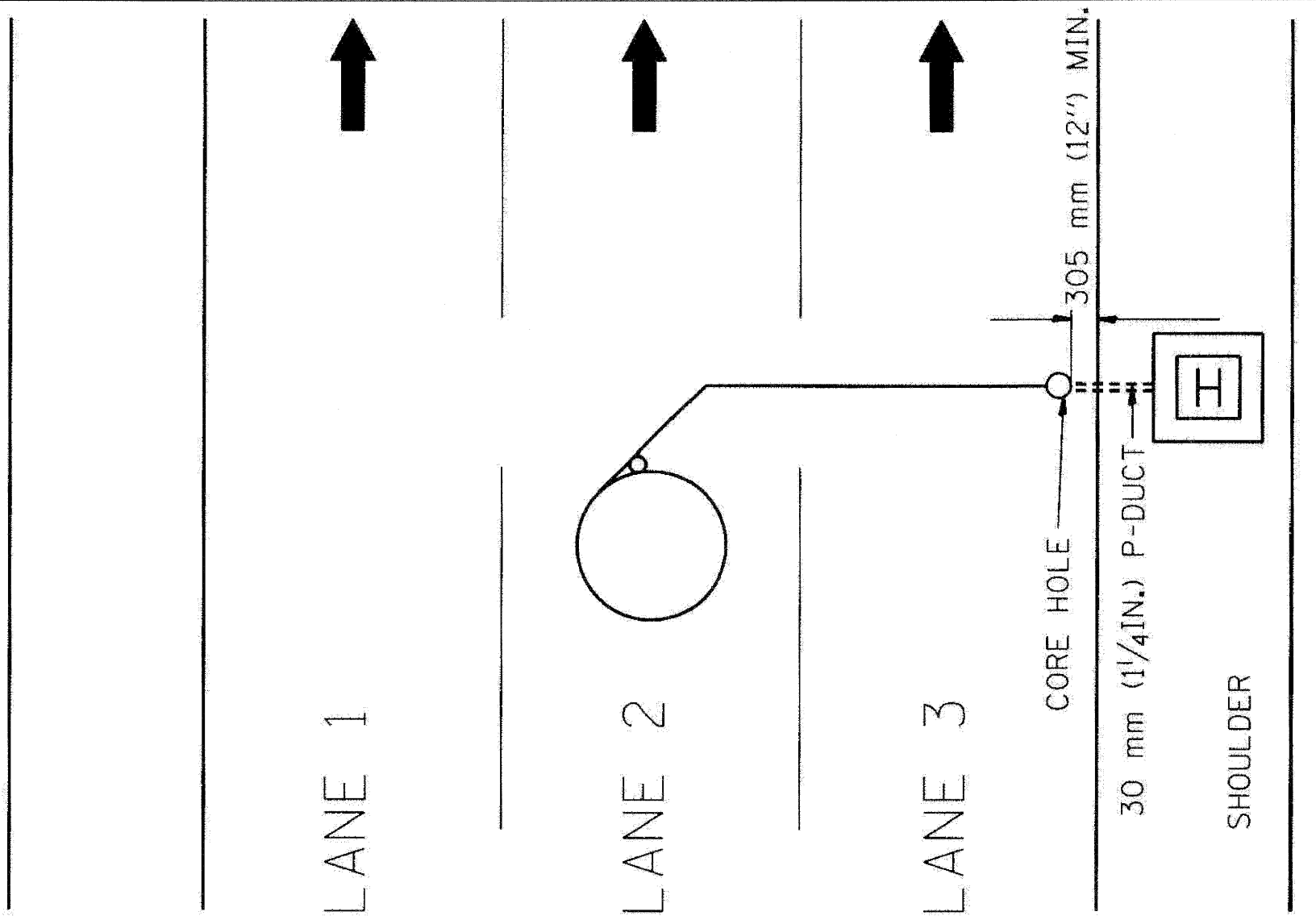
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 12 OF 15 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,IRS-6	COOK	185	167
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60653	

F.A.I. R.F.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NO.	DATE
R.L.	05/98
T.G.	10/98

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

DIVE HOLE DUCT SYSTEM

SCALE: HORIZ. NONE
DATE 11/7/98

DRAWN BY: C.M.
CHECKED BY: R.L.

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

FILE NAME =	DESIGNED - GHT	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

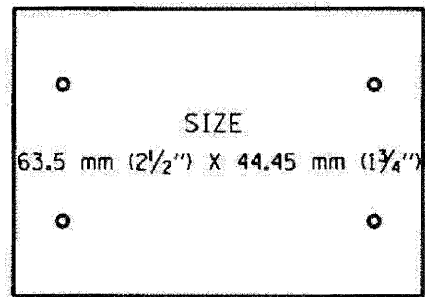
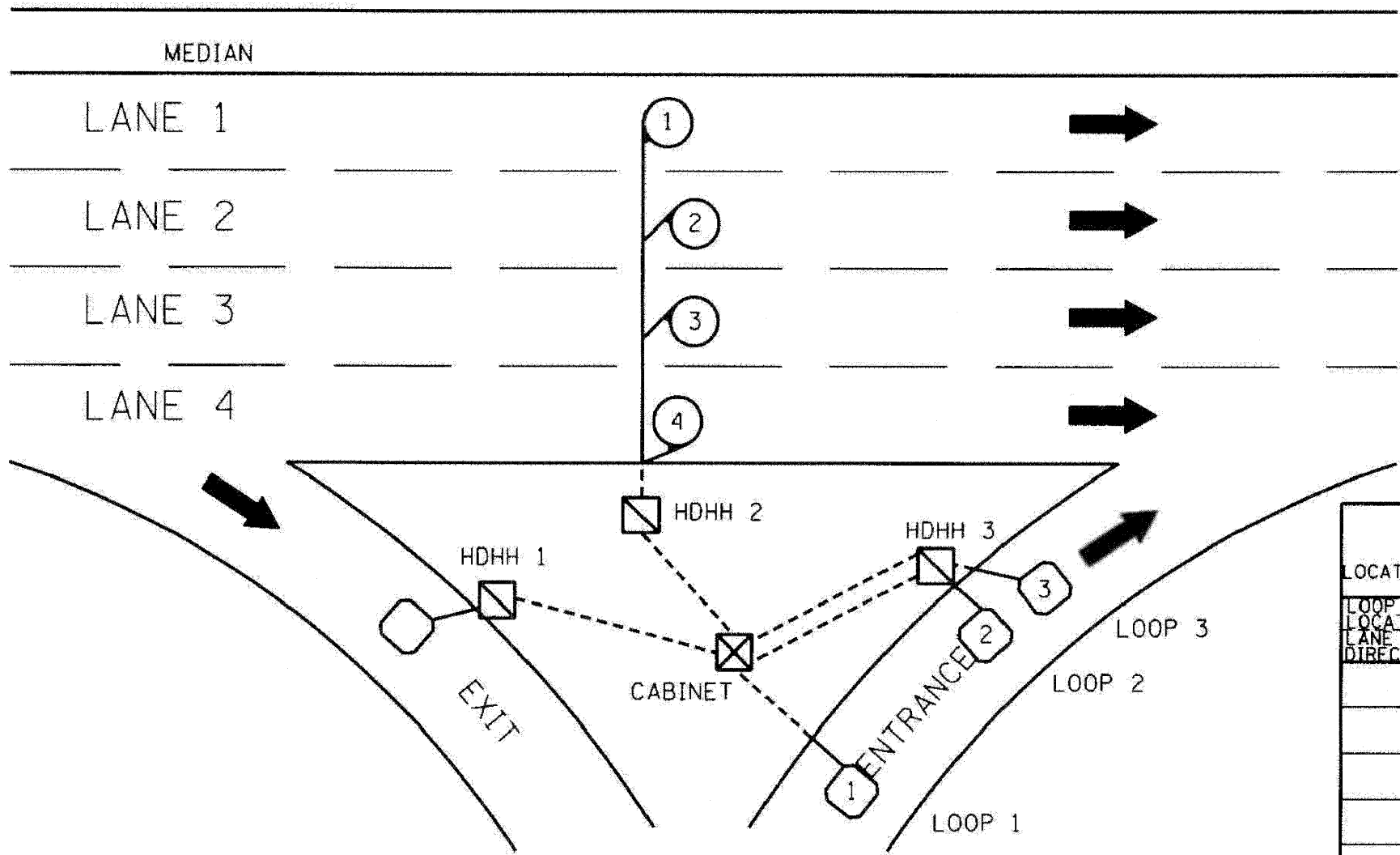
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 13 OF 15 SHEETS STA. TO STA.

F.A.I. R.F.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D, ETC., 3031.DRS-6	COOK	185	168
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60G53				

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SUGGESTED TAG
PANDUIT
*MP250W175-C
OR EQUIVALENT

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

HDHH 1 EXAMPLE

IB-EB EXIT
CCW IN/
TO CABINET #___

HDHH 2 EXAMPLE

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

HDHH 3 EXAMPLE

IB-EB ENT.
LOOP #2
CW IN/

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

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	10/98

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

LOOP STATUS REPORT

SCALE: HORIZ. NONE DRAWN BY: G.M.
DATE: 6-27-94 CHECKED BY: R.L.

TRAFFIC SYSTEMS CENTER (TY-1TSC-418*7)

FILE NAME =	DESIGNED - GHT	REVISED -
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USER NAME = tblank	CHECKED - MPM	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

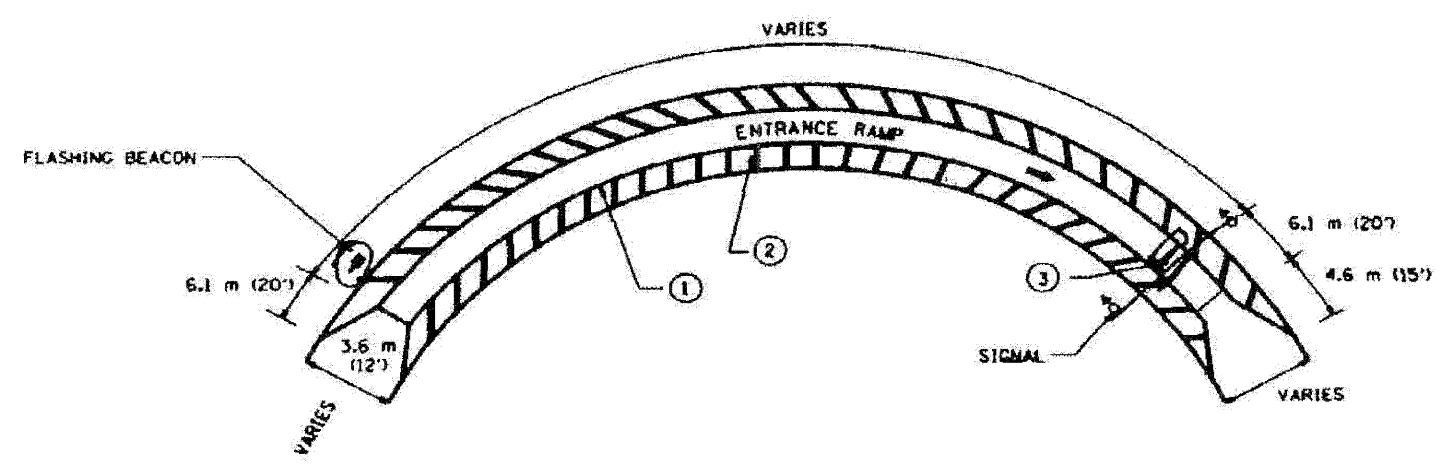
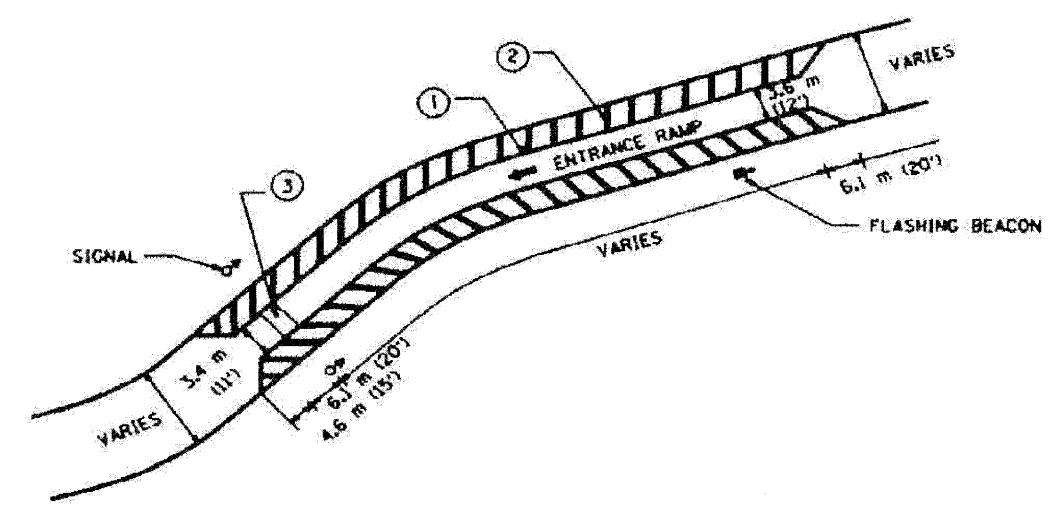
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 14 OF 15 SHEETS STA. TO STA.

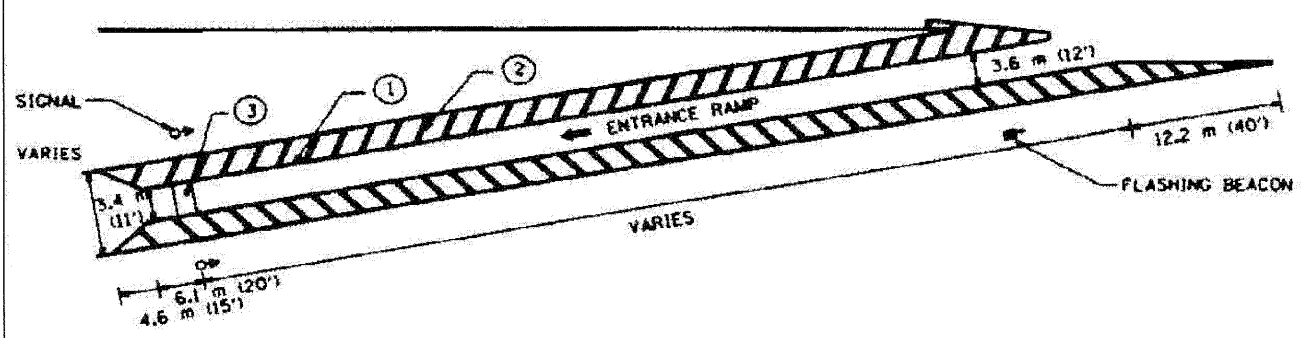
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(28288D, ETC., 3031.1)RS-6	COOK	185	169
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.		185	170
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



PAVIMENT MARKING

- ① 305 mm (12") WHITE CHANNEL MARKINGS
- ② 203 mm (8") WHITE CROSS-HATCHING AT 3.05 m (10') INTERVALS
- ③ 609 mm (24") WHITE STOP BAR CENTERED BETWEEN SIGNALS



REVISIONS	
NO.	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

**TYPICAL RAMP
METERING STRIPING**

SCALE: NONE
DATE: 8-22-94

DRAWN BY: G.M.
CHECKED BY: A.L.

TRAFFIC SYSTEMS CENTER (TY-ITSC-500#1)

FILE NAME =	DESIGNED - GHT	REVISED -
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PRINT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

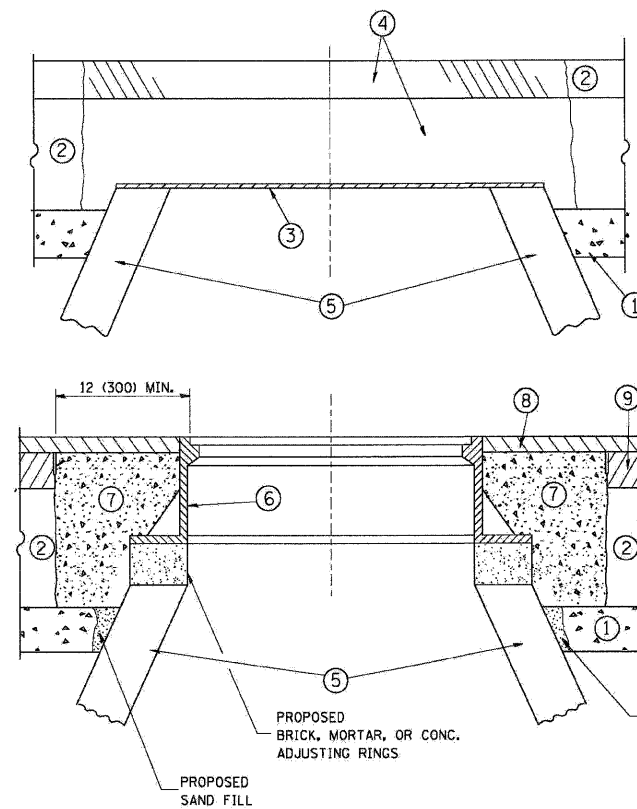
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 15 OF 15 SHEETS STA. TO STA.

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031, JRS-6	COOK	185	170
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
			CONTRACT NO. 60653	



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL".
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

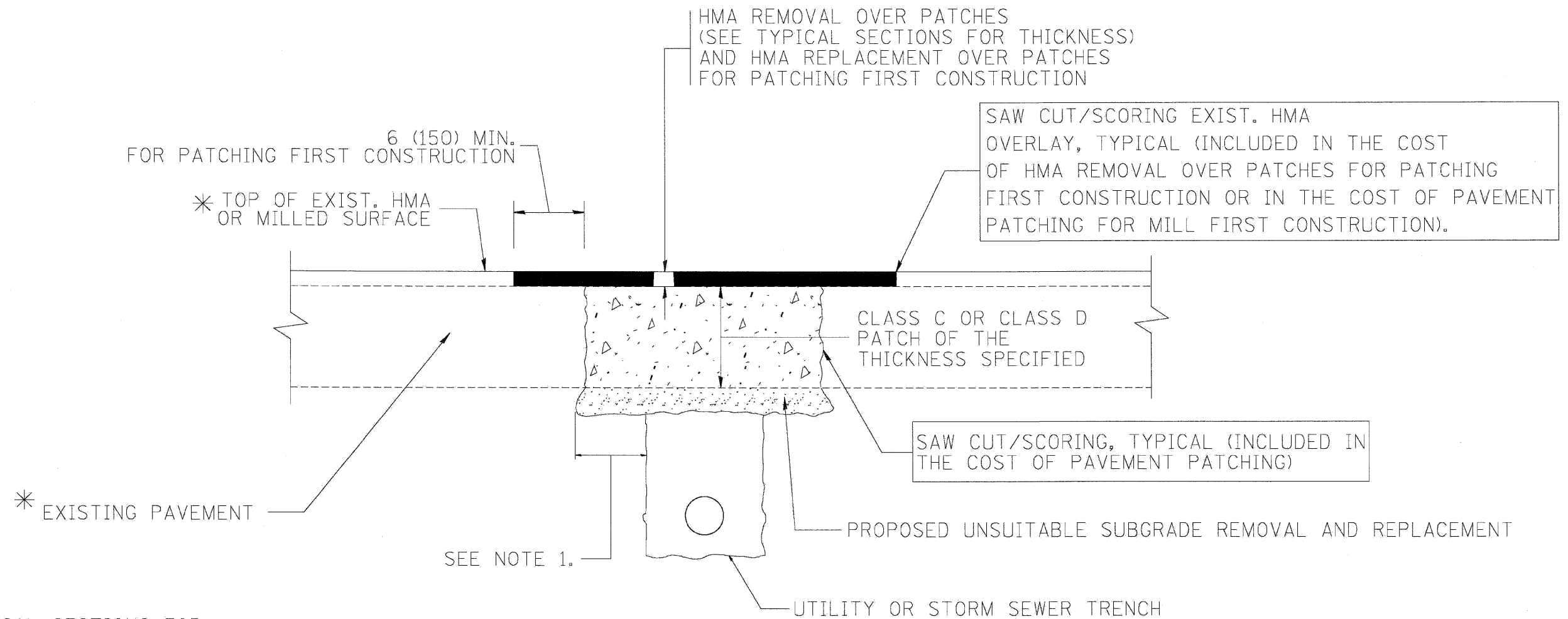
WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

BD-08

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FRAMES AND LIDS ADJUSTMENT WITH MILLING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...\\pp1p_abc_c3_01_bd-8.dgn	DRAWN - TMB	REVISED -				290 (2828B,D, ETC., 3031,IRS-6	COOK	185	171		
USER NAME = tblank	CHECKED - JMM	REVISED -				CONTRACT NO. 60G53					
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
SCALE: N.T.S.						SHEET NO. 1 OF 15 SHEETS	STA.	TO STA.			



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

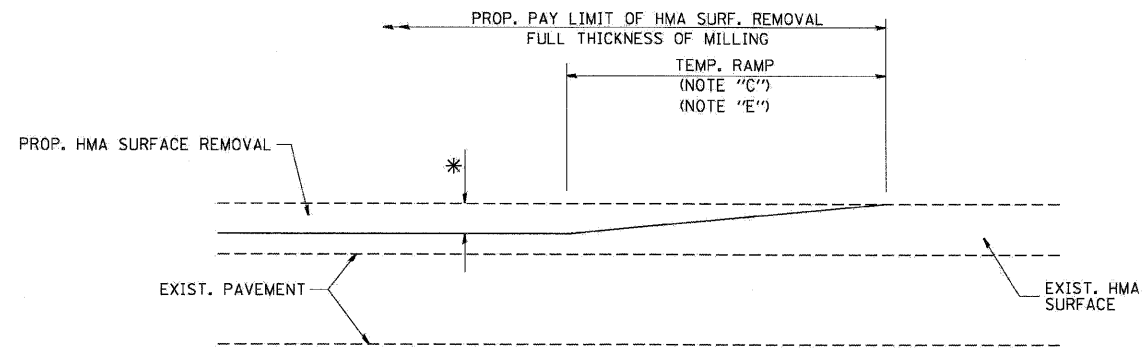
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

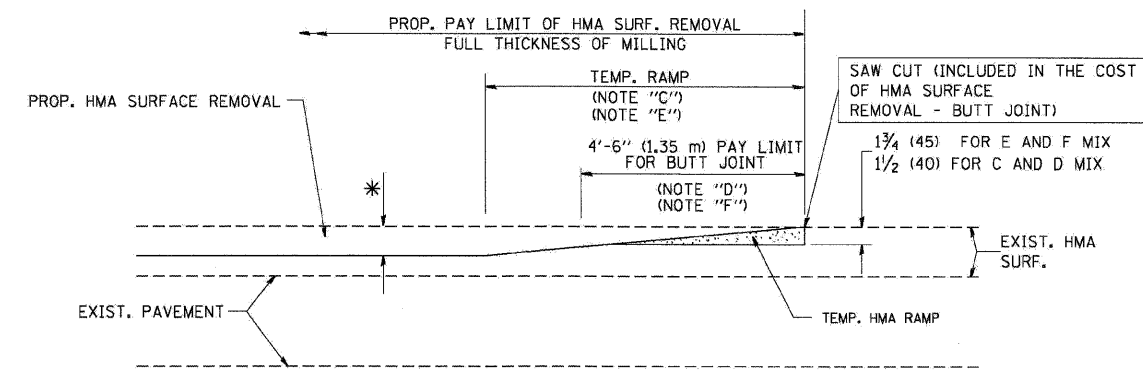
BD-22
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	DESIGNED - AuP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \prios\h_abc_c3_d1_bd-22.dgn	DRAWN - TMB	REVISED -						290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	172
USER NAME = tbi\anx	CHECKED - JMM	REVISED -						CONTRACT NO. 60G53				
PLCT DATE = 11/12/2009	DATE - 10/16/09	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
				SCALE: N.T.S. SHEET NO. 2 OF 15 SHEETS STA. TO STA.								



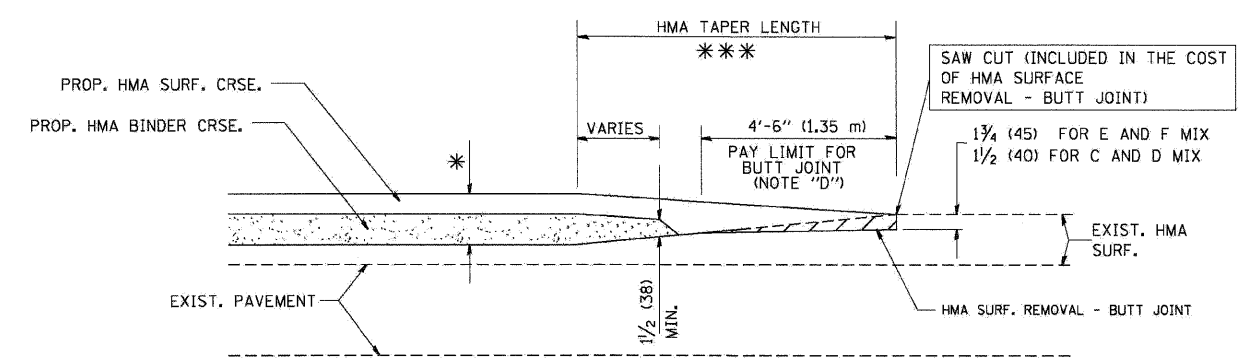
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1



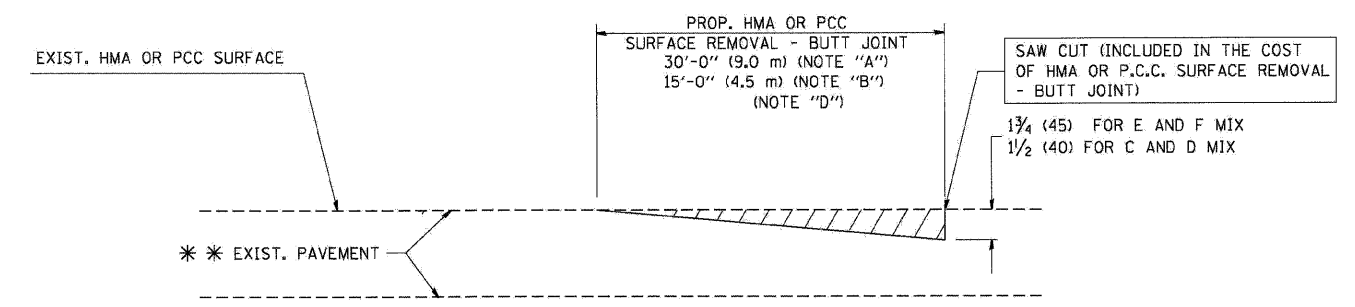
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP

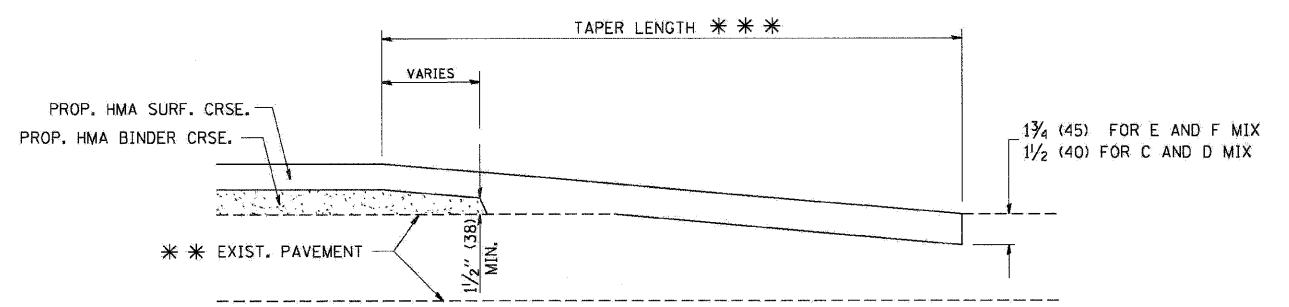


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

BD-32
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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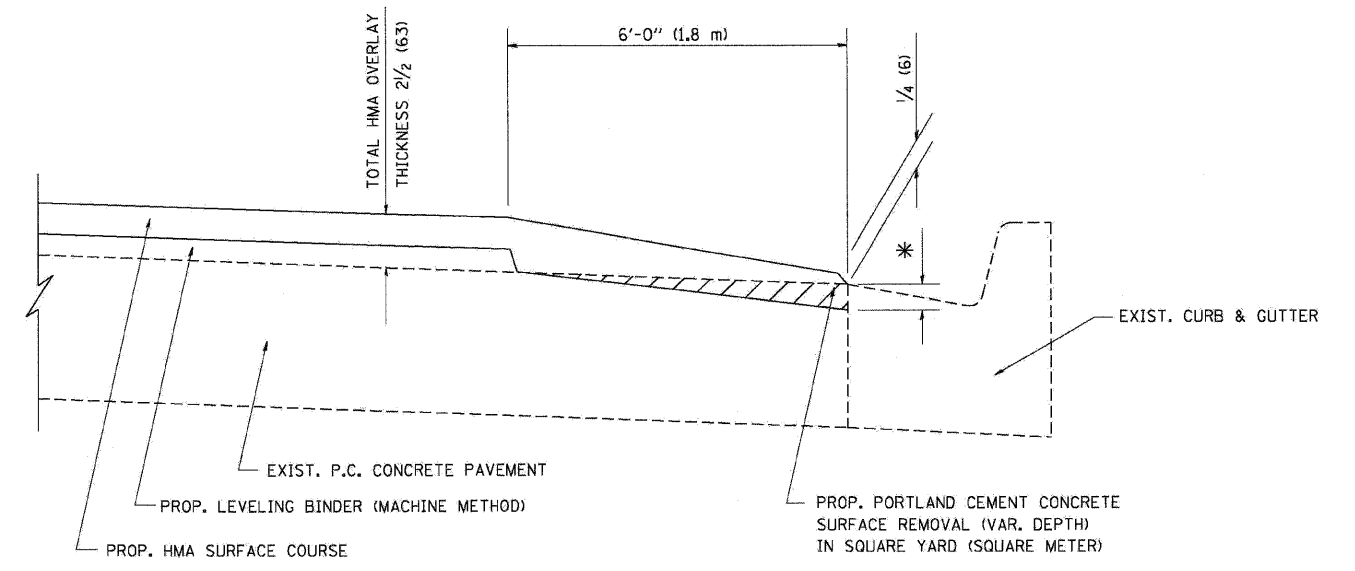
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINTS AND HMA TAPER

SCALE: N.T.S. SHEET NO. 3 OF 15 SHEETS STA. TO STA.

F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	173
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60G53	



HMA TAPER AT
EDGE OF P.C.C PAVEMENT

HMA SURFACE		LEVELING BINDER		* MILLING AT GUTTER FLAG
MIX	THICKNESS	THICKNESS		
C OR D	1 1/2 (38)	1 (25)		1/4 (33)
F	1 3/4 (44)	3/4 (19)		1/2 (38)

BD-33

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

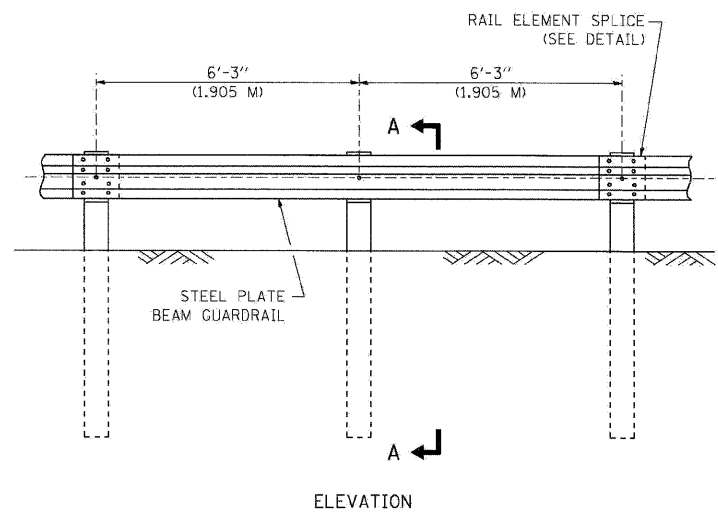
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT EDGE OF PCC PAVEMENT
SCALE: N.T.S. SHEET NO. 4 OF 15 SHEETS STA. TO STA.

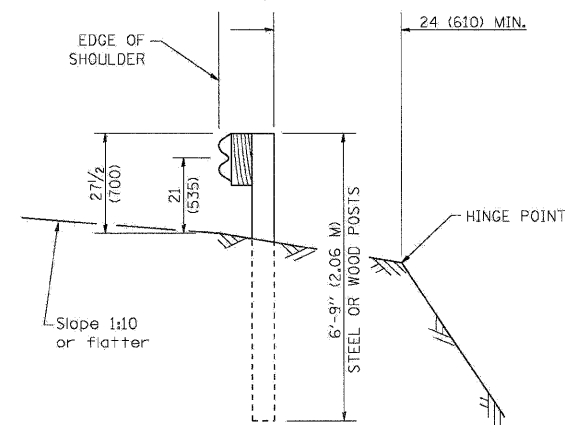
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031.1)RS-6	COOK	185	174
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60653	



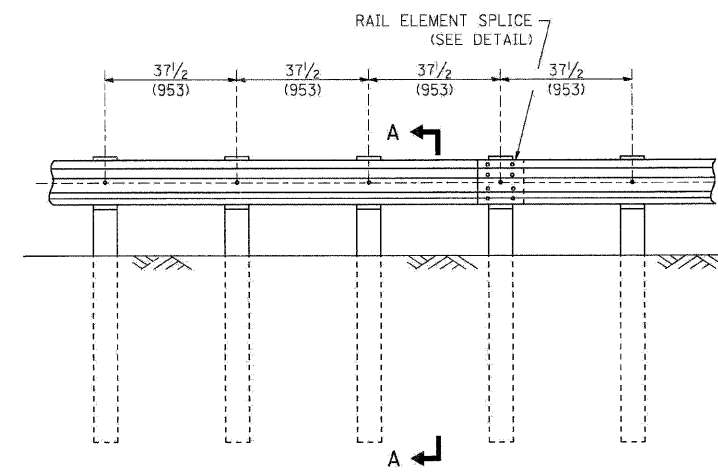
ELEVATION

TYPE A

6'-3" (1.905 M) TYPICAL POST SPACING



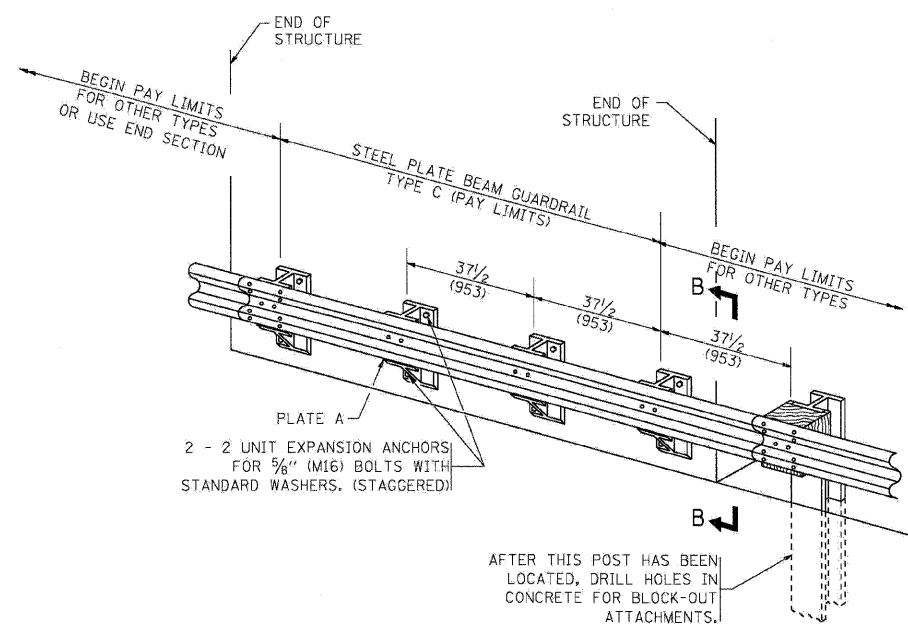
SECTION A-A



ELEVATION

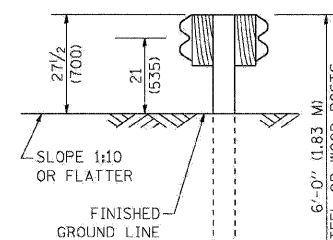
TYPE A

37 1/2 (953) CLOSED POST SPACING

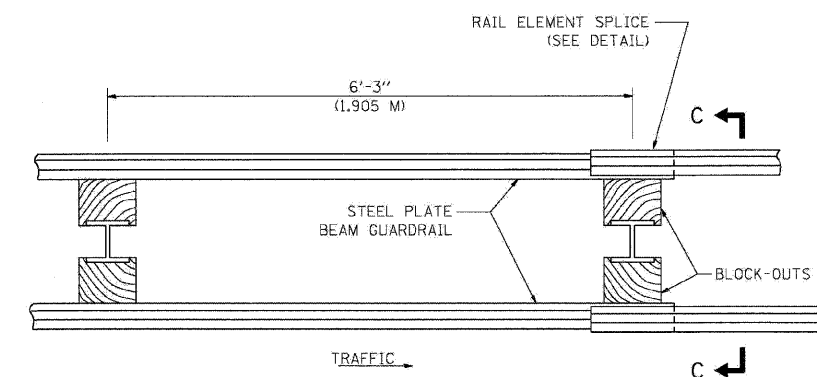


TYPE C

37 1/2 (953) BLOCK-OUT SPACING



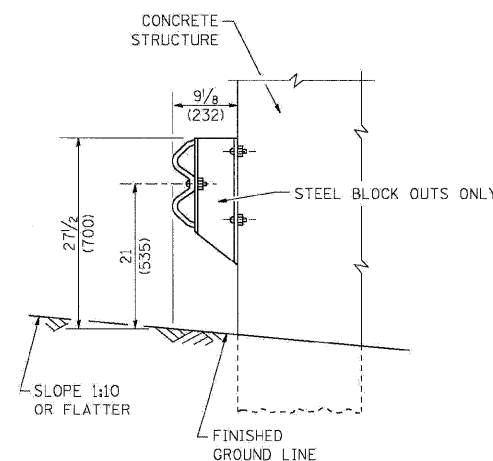
SECTION C-C



PLAN

TYPE D

DOUBLE STEEL PLATE BEAM GUARDRAIL
6'-3" (1.905 M) TYPICAL POST SPACING



SECTION B-B

GENERAL NOTES

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

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

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

FILE NAME =	DESIGNED - AJP	REVISED -
...p\p1n_630_C3_01_BM-21.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

benesch

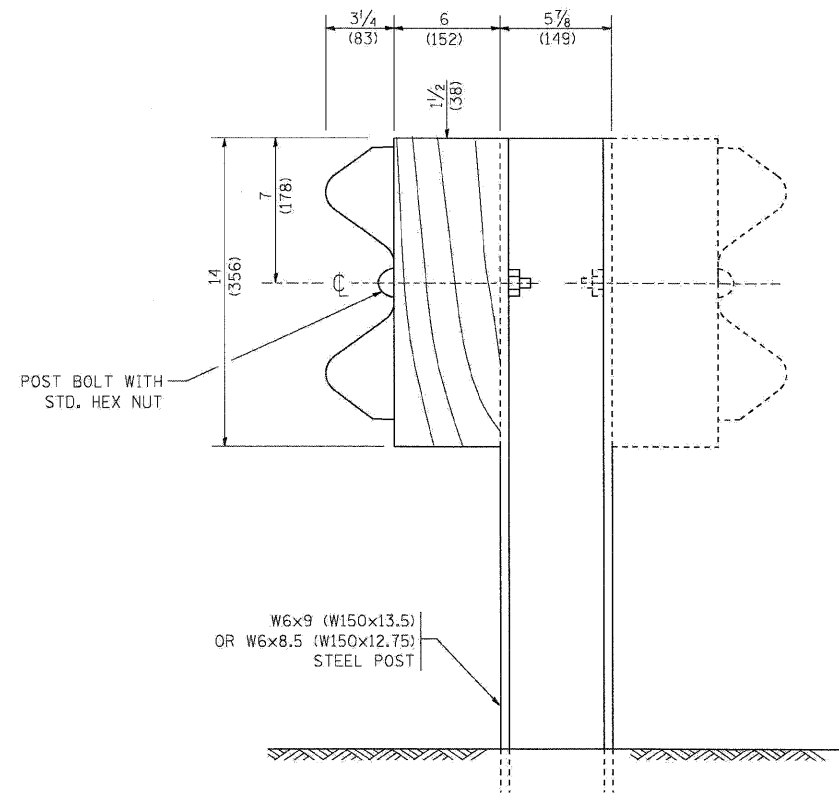
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVE AND REERECT GUARDRAIL

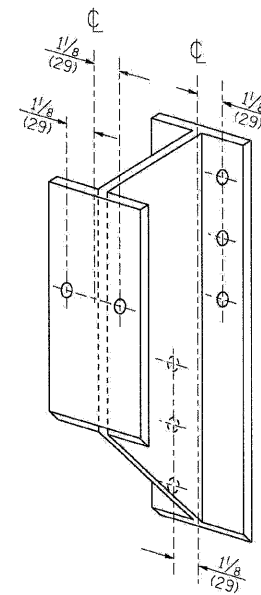
SCALE: N.T.S. SHEET NO. 5 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	

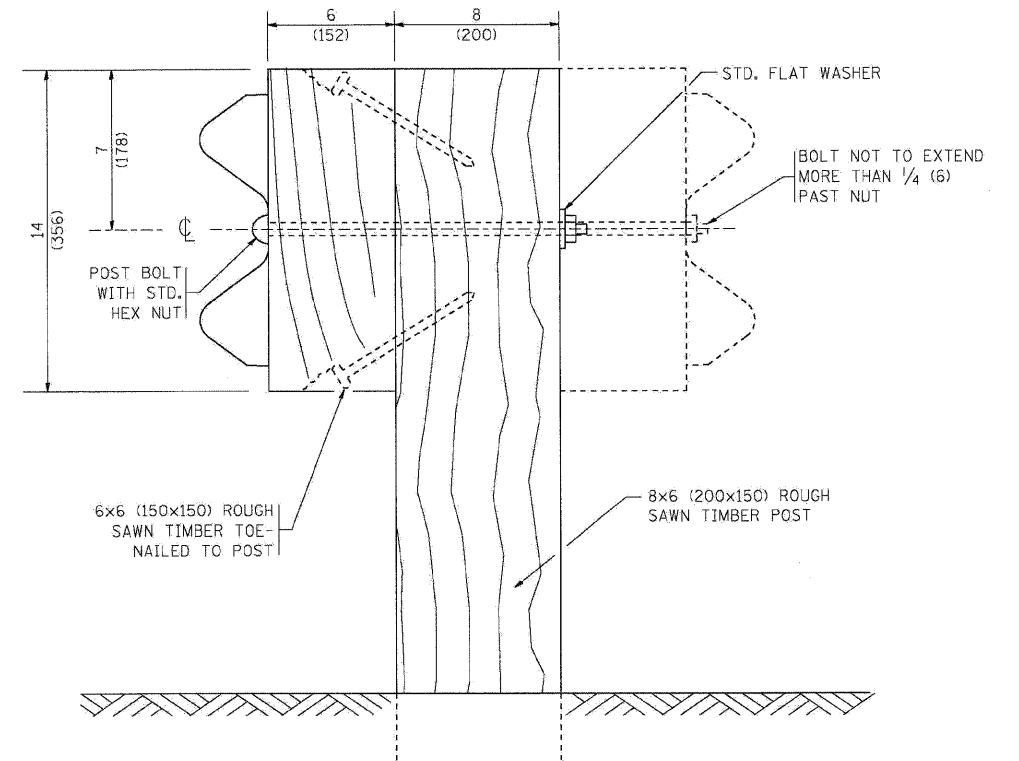
BM-21



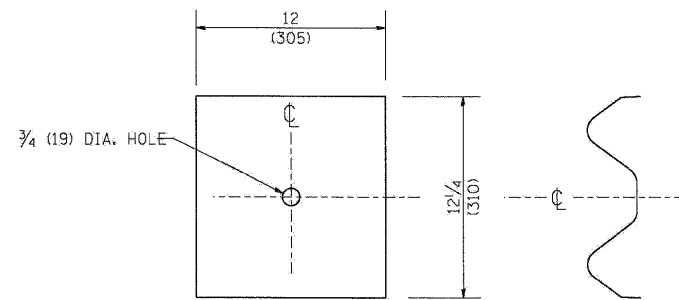
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



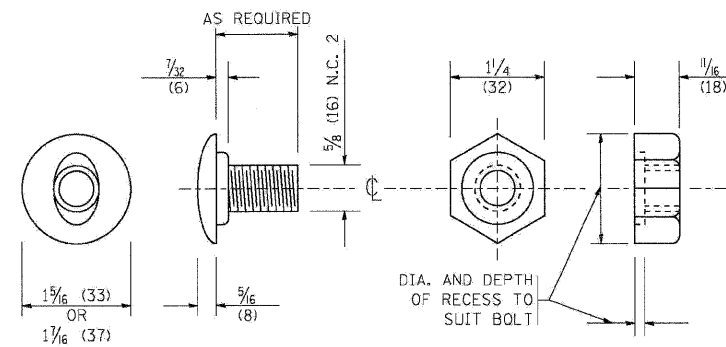
WOOD POST CONSTRUCTION



NOTE:

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

PLATE A



POST OR SPLICE BOLT & NUT

FILE NAME =	DESIGNED - AJP	REVISED -
...\\ppln\abc\C3_01_3M-213.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
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benesch

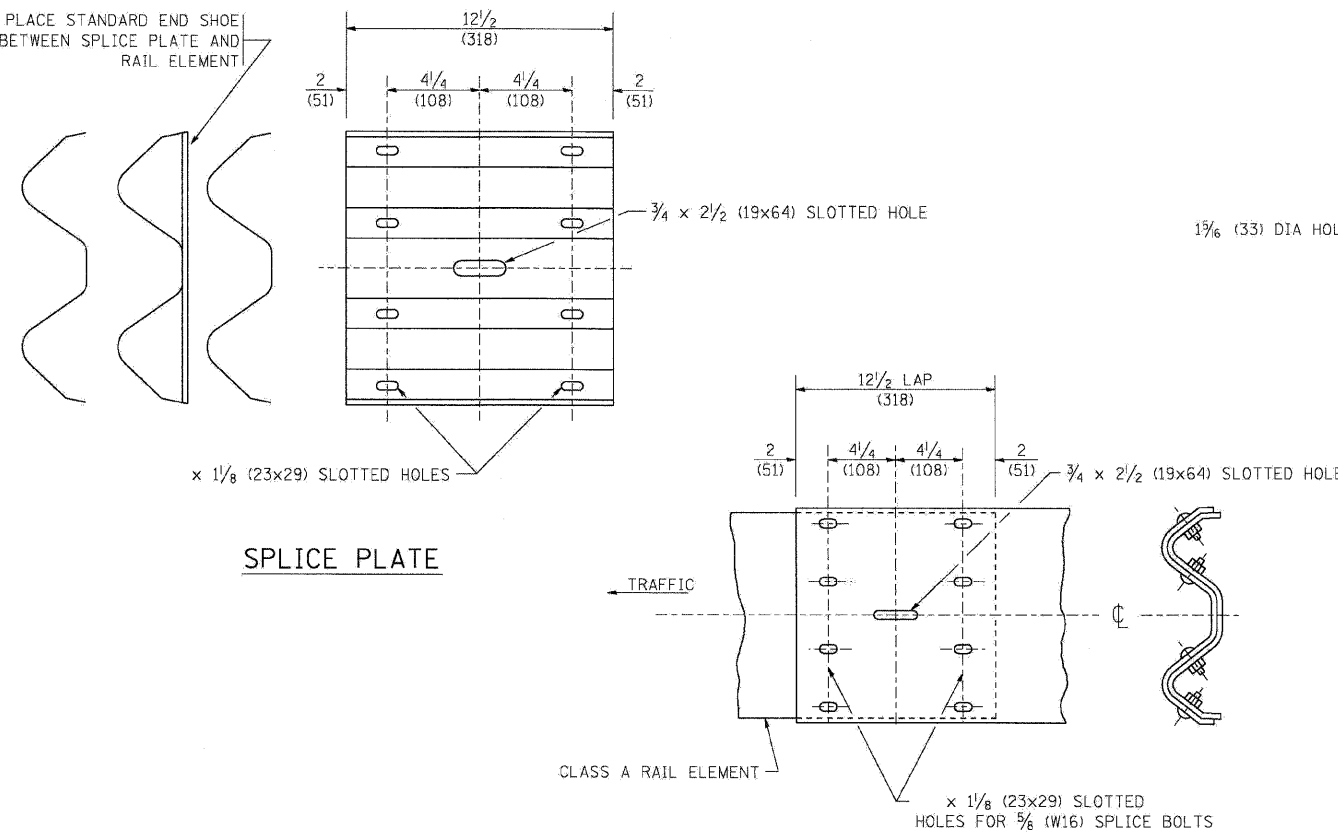
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVE AND REERECT GUARDRAIL

SCALE: N.T.S. SHEET NO. 6 OF 15 SHEETS STA. TO STA.

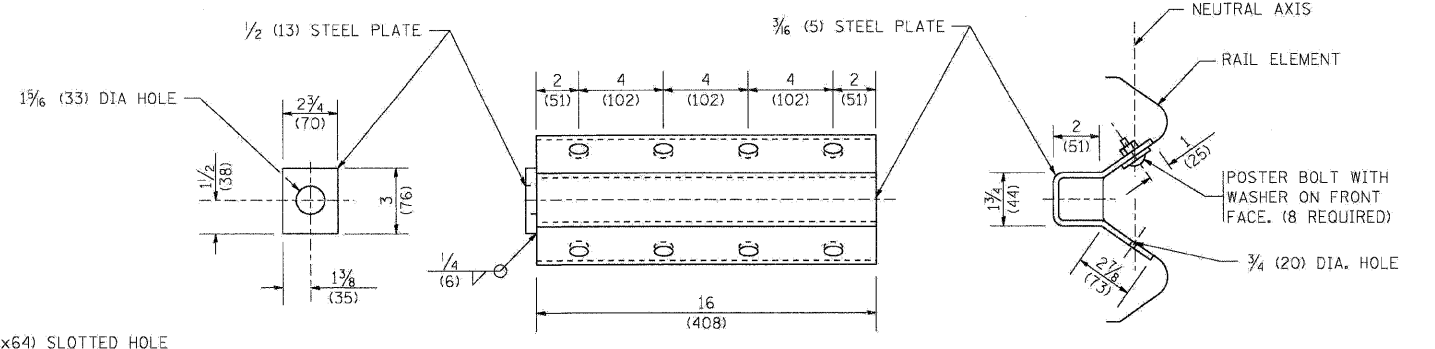
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6	COOK	185	176
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	

PLACE STANDARD END SHOE BETWEEN SPLICE PLATE AND RAIL ELEMENT



SPLICE PLATE

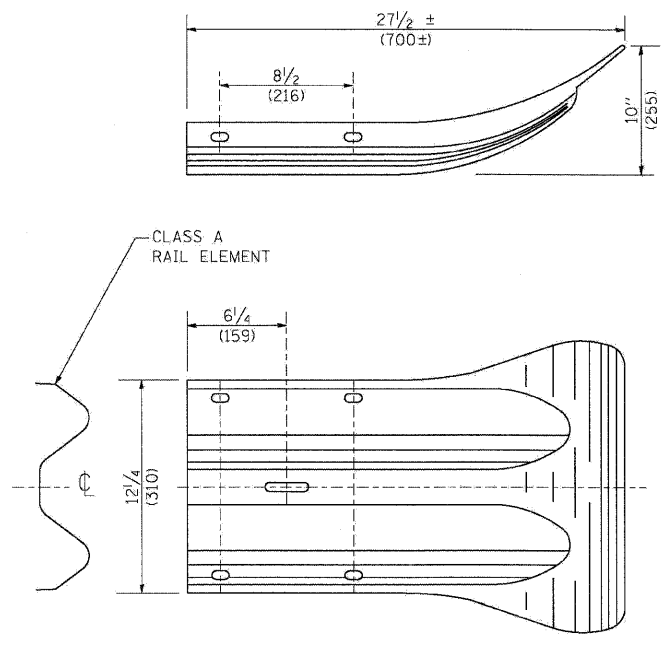
RAIL ELEMENT SPLICE



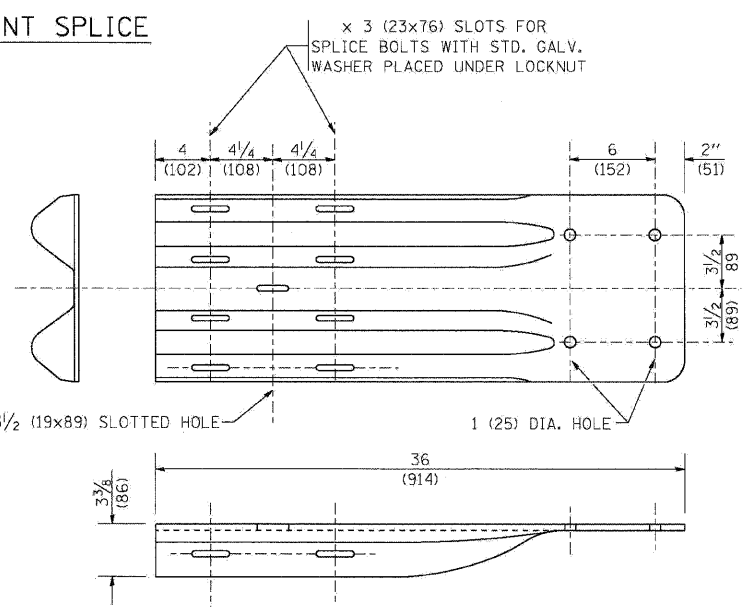
NOTE:

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

ANCHORE PLATE T DETAILS



END SECTION



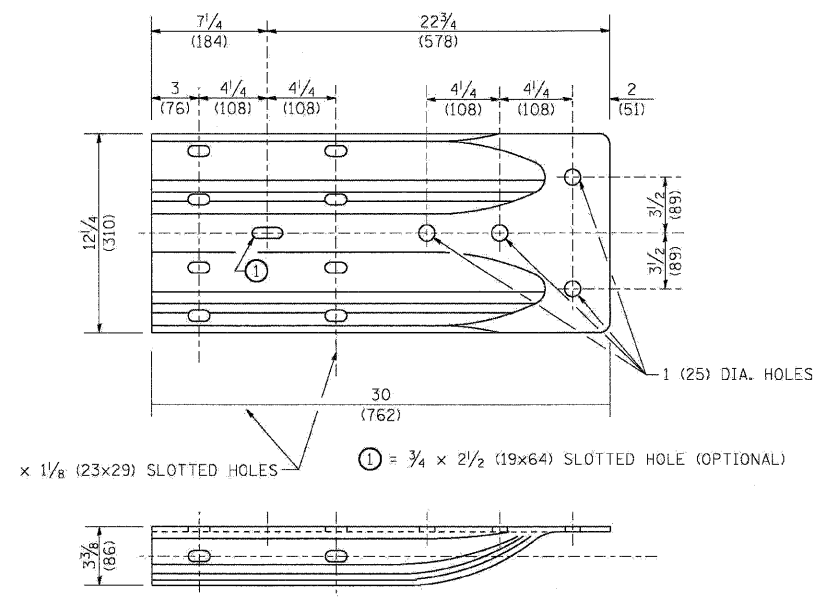
END SHOE

NOTE:

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



ALTERNATE END SHOE

FILE NAME =	DESIGNED - AJP	REVISED -
...NorpIn_ABC_C3_D1_BM-21C.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLCT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

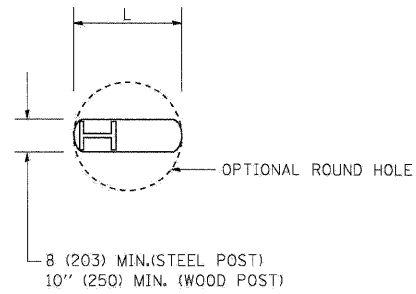
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

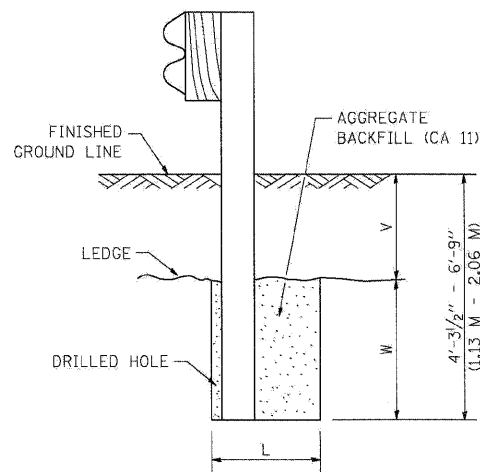
REMOVE AND REERECT GUARDRAIL			
SCALE: N.T.S.	SHEET NO. 7 OF 15 SHEETS	STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS 6	COOK	185	177
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

BM-21



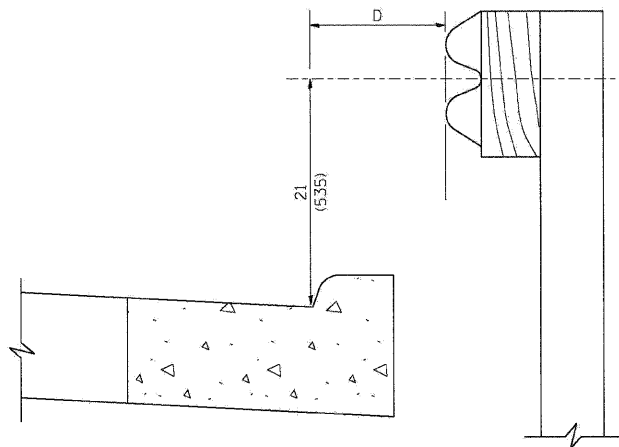
PLAN



NOTE:
LEDGE LINE IS TOP OF ROCK LEDGE OR HARD SLAG FILL.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



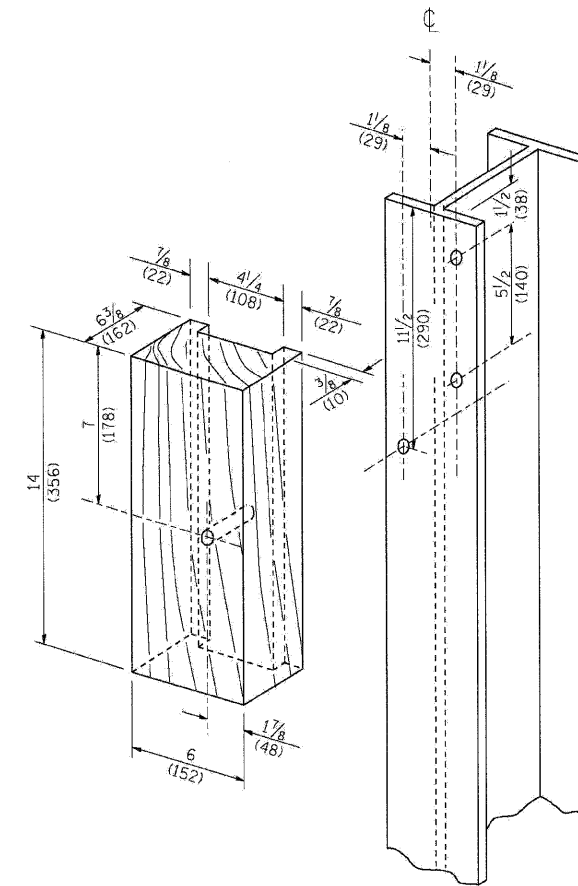
NOTE:

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 60600) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

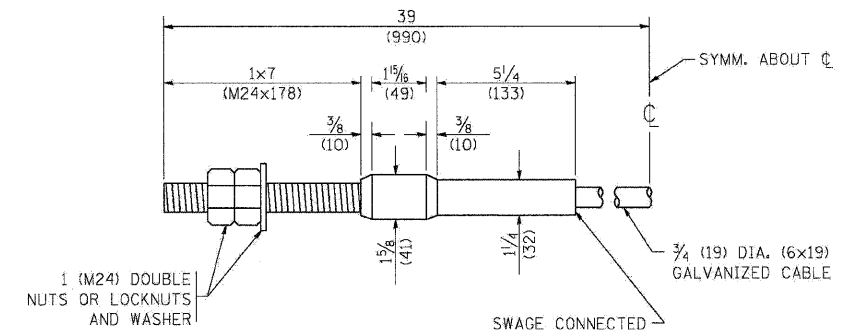
GUARDRAIL PLACED BEHIND CURB

(D = 0 DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

FILE NAME =	DESIGNED - AJP	REVISED -
...NepIn_ABC_C3.D1.BM-210.dgn	DRAWN - TMB	REVISED -
USER NAME = blank	CHECKED - JMM	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

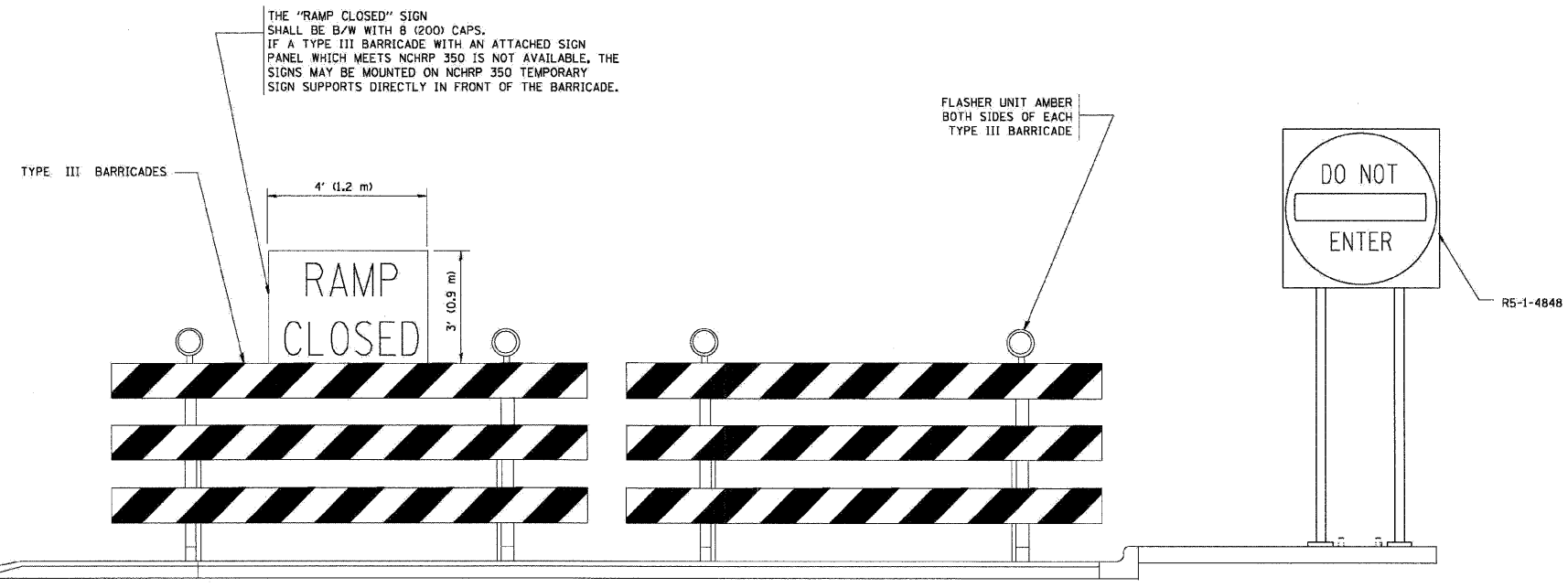
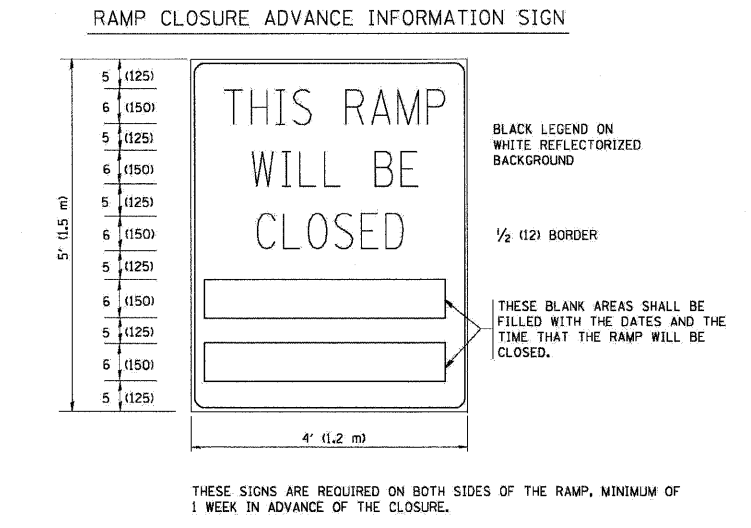
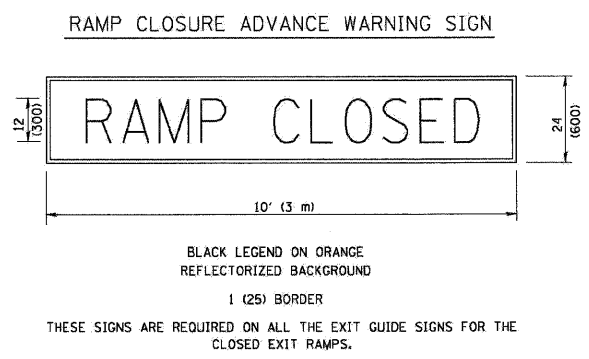
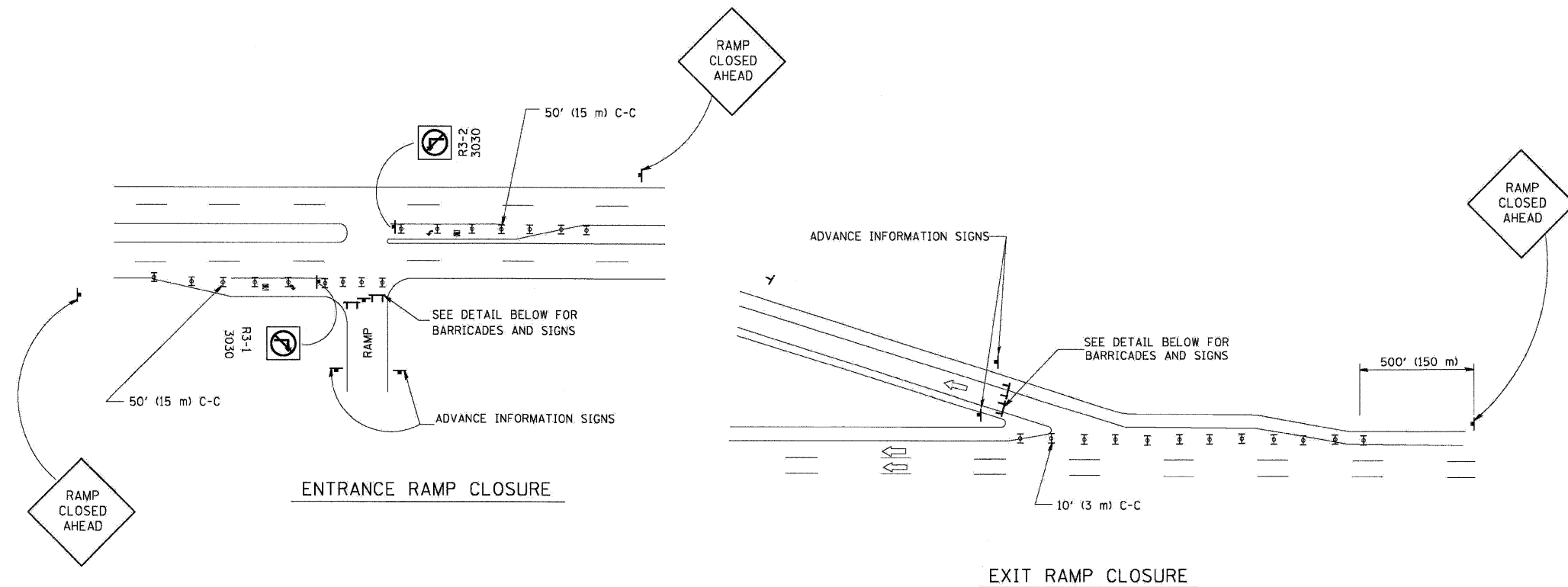
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE AND REERECT GUARDRAIL

SCALE: N.T.S. SHEET NO. 8 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (28285,0, ETC., 3031.1RS-6)		COOK	185	178
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60653	



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 8 (200) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

- SYMBOLS**
- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - ⊥ TYPE III BARRICADE WITH FLASHING LIGHT

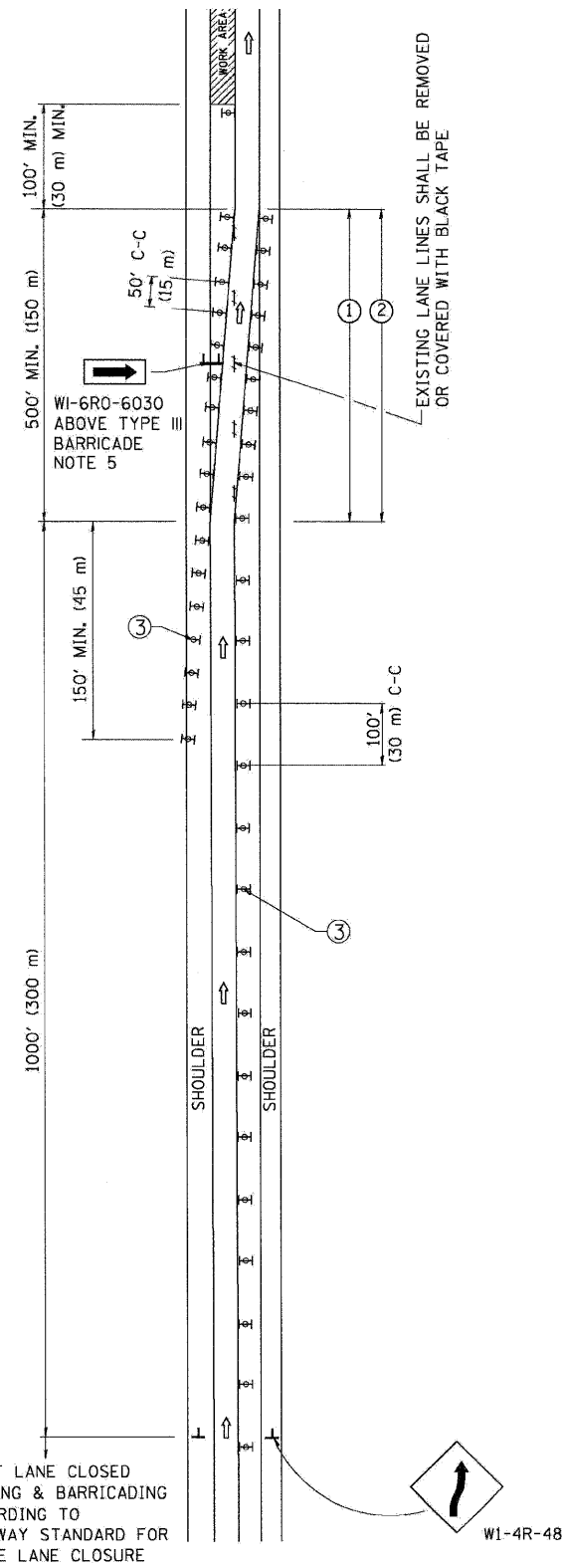
- GENERAL NOTES:**
1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS, CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
 2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
 4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
 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 TWENTY FOUR (24) HOURS IN LENGTH.

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

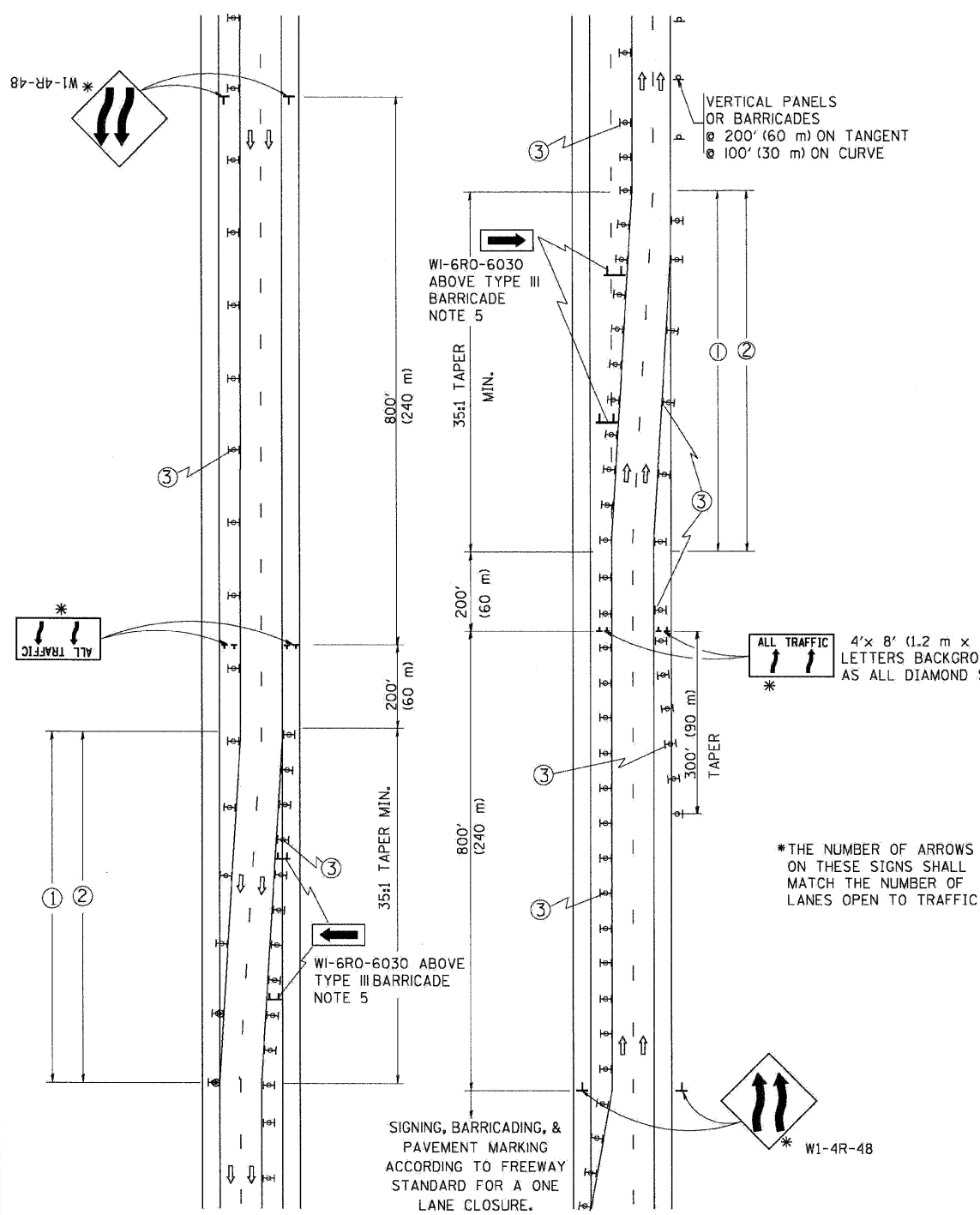
FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ENTRANCE AND EXIT RAMP CLOSURE DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...Nppln_ABC_C3.D1.TC-8.dgn	DRAWN - TMB	REVISED -						290	(2828B,D, ETC., 3031,1RS-6	COOK	185	179
USER NAME = tblenk	CHECKED - JMM	REVISED -						CONTRACT NO. 60C53				
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -						ILLINOIS FED. AID PROJECT				
					SCALE: N.T.S.	SHEET NO. 9 OF 15 SHEETS	STA.	TO STA.				

TC-08

SINGLE LANE WEAVE



MULTI-LANE WEAVE



- GENERAL NOTES**
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
 - 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 WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
 - PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
 - ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
 - IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.
 - 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.

- SYMBOLS**
- ↑ DIRECTION OF TRAFFIC
 - ▨ WORK AREA
 - ┌ SIGN ON PORTABLE OR PERMANENT SUPPORT
 - ⊞ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

TC-09
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	DESIGNED - AJP	REVISED -
...nprln_abc_c3.d1.tc 9.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

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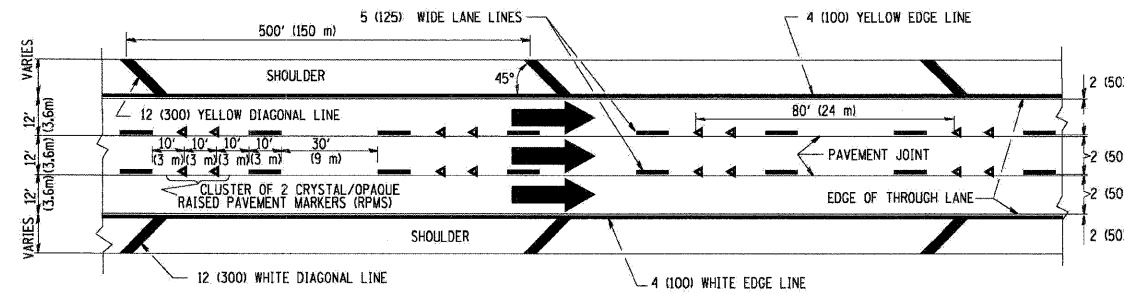
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FREEWAY SINGLE AND MUTI-LANE WEAVE

SCALE: N.T.S. SHEET NO. 10 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031.IRS-6)		COOK	185	180
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	

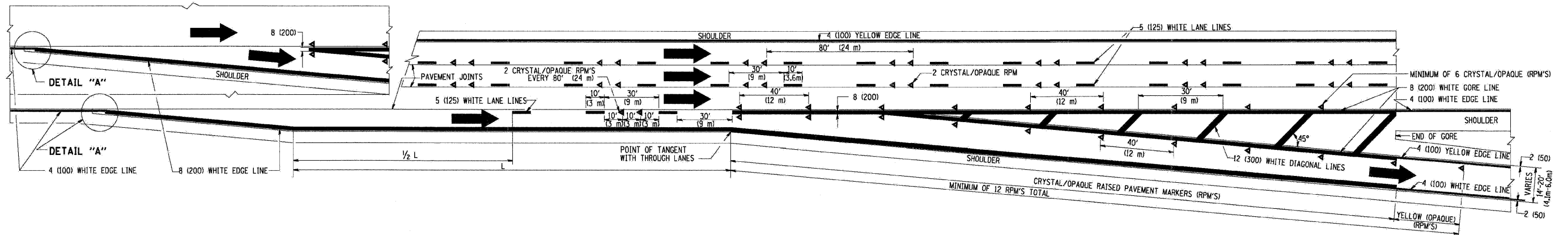
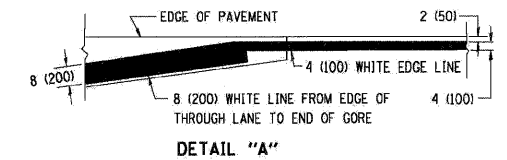
THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH
 THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH



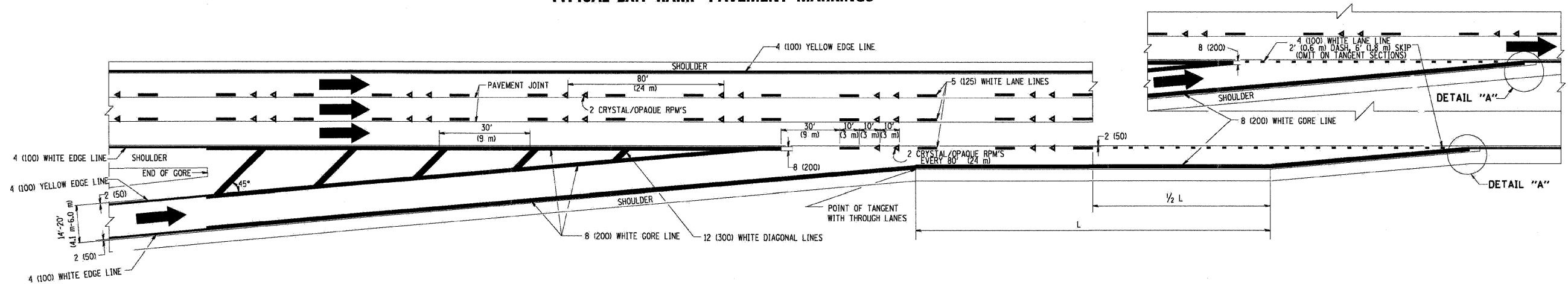
TYPICAL EDGE LINES & LANE LINES

NOTES:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC

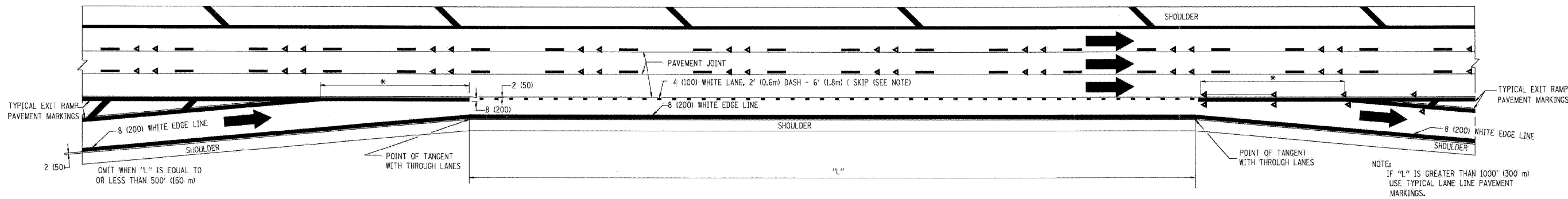


TYPICAL EXIT RAMP PAVEMENT MARKINGS

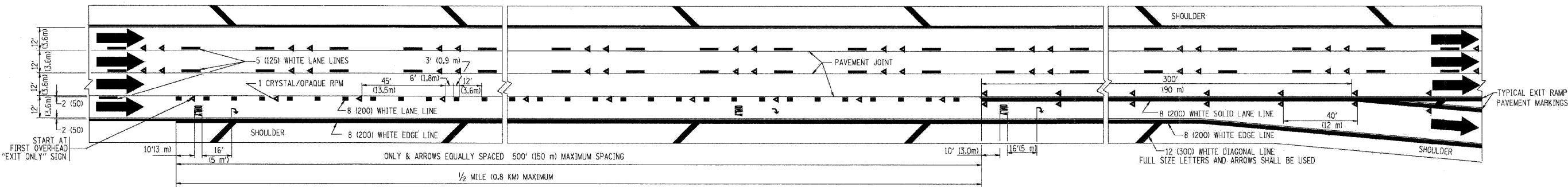


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

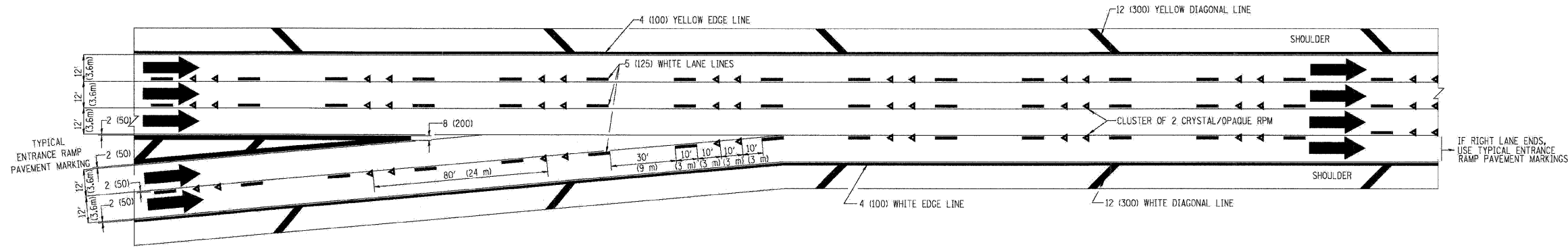
FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\prph_abc.c3.d1.tc-12a.dgn	DRAWN - TMB	REVISED -			290	(2828B,D, ETC., 3031)RS-6	COOK	185	181			
USER NAME = tblank	CHECKED - JMM	REVISED -			CONTRACT NO. 60G53							
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -			FED. ROAD DIST. NO.	(ILLINOIS) FED. AID PROJECT						
			SCALE: N.T.S.	SHEET NO. 11 OF 15 SHEETS	STA.	TO STA.						



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



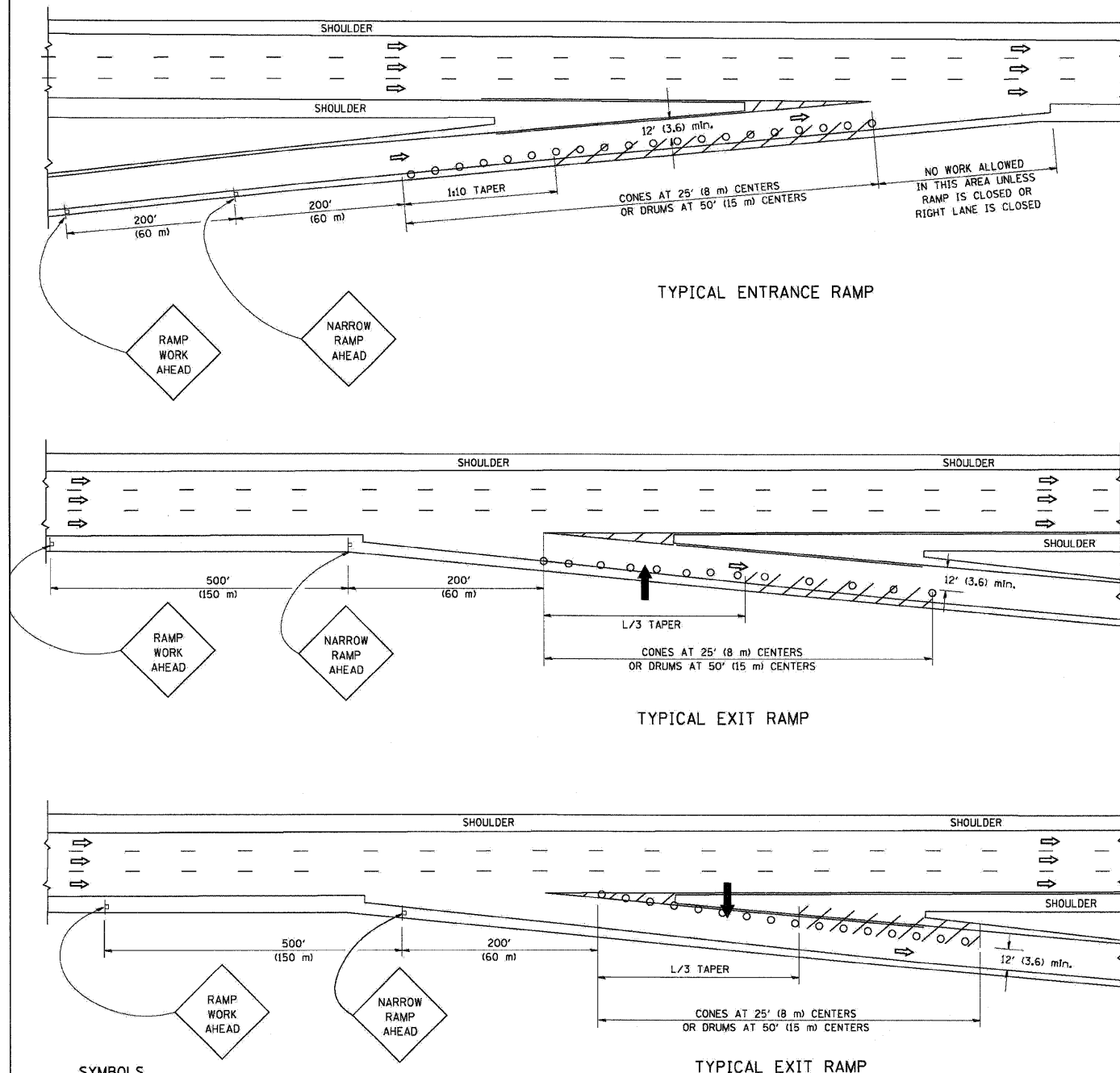
TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...prpln-ABC-C3-D1-TC-12B.dgn	DRAWN - TMB	REVISED -				290	(2828B,D, ETC., 3031.DRS-6	COOK	185	182	
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -				FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			
						SCALE: N.T.S.	SHEET NO. 12 OF 15 SHEETS	STA.	TO STA.		

PARTIAL RAMP CLOSURE DETAILS



SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

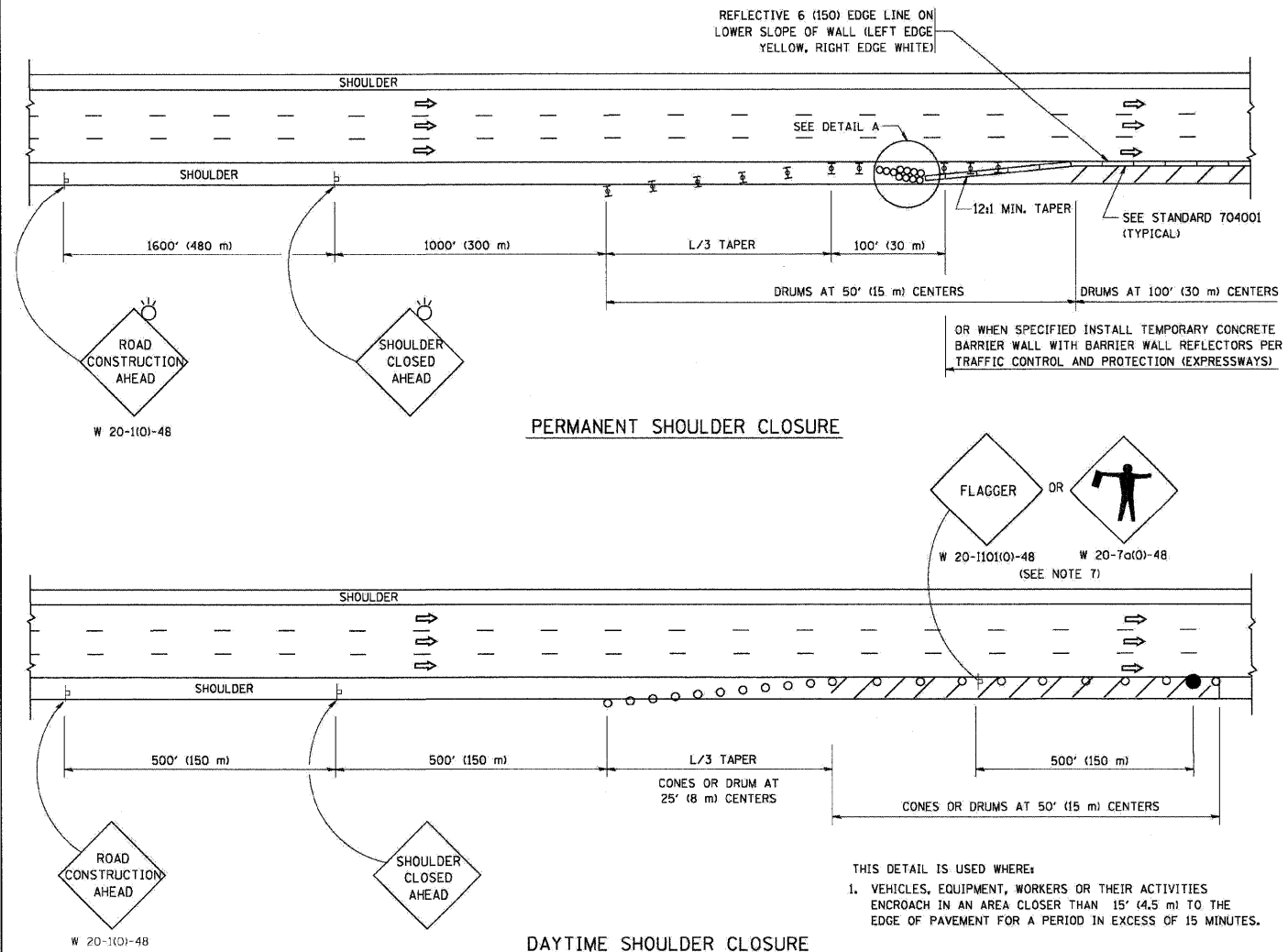
GENERAL NOTES

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 = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
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



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.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.

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

FILE NAME =	DESIGNED - AJP	REVISED -
...prpin-ABC_C3.D1.TC-17.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

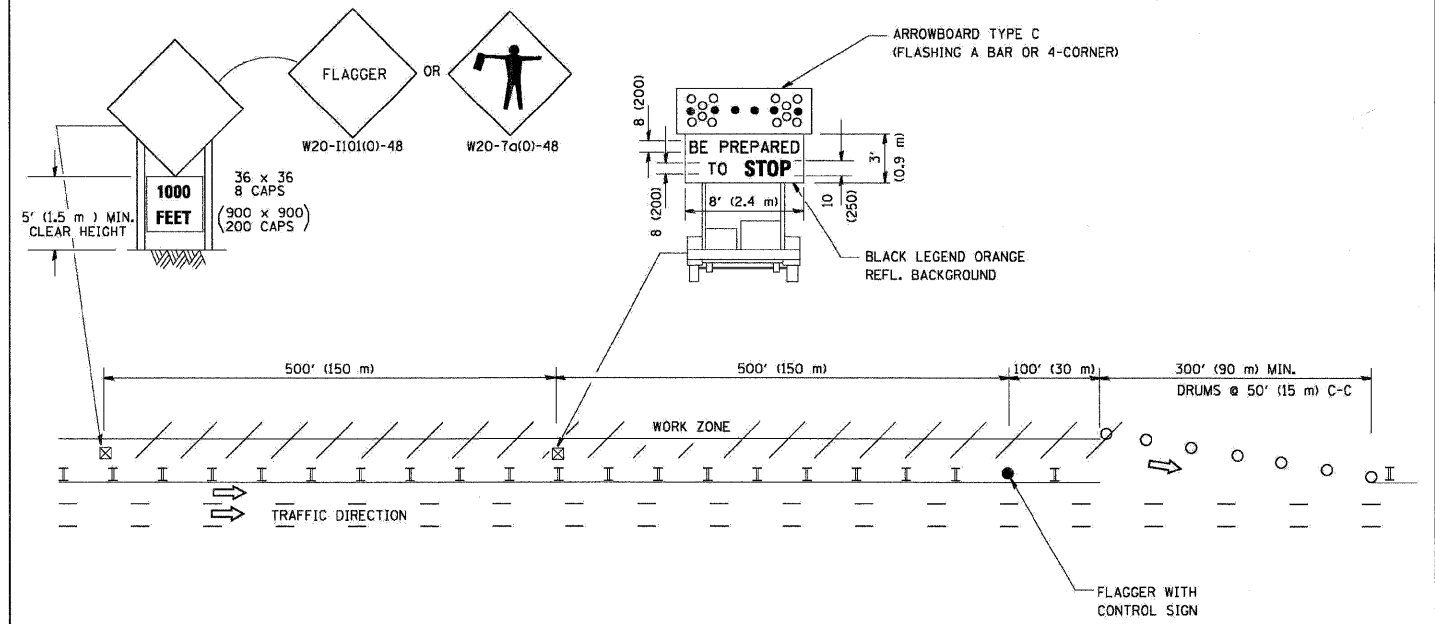
TRAFFIC CLOSURE FOR SHOULDER CLOSURES
AND PARTIAL RAMP CLOSURES

SCALE: N.T.S. SHEET NO. 13 OF 15 SHEETS STA. TO STA.

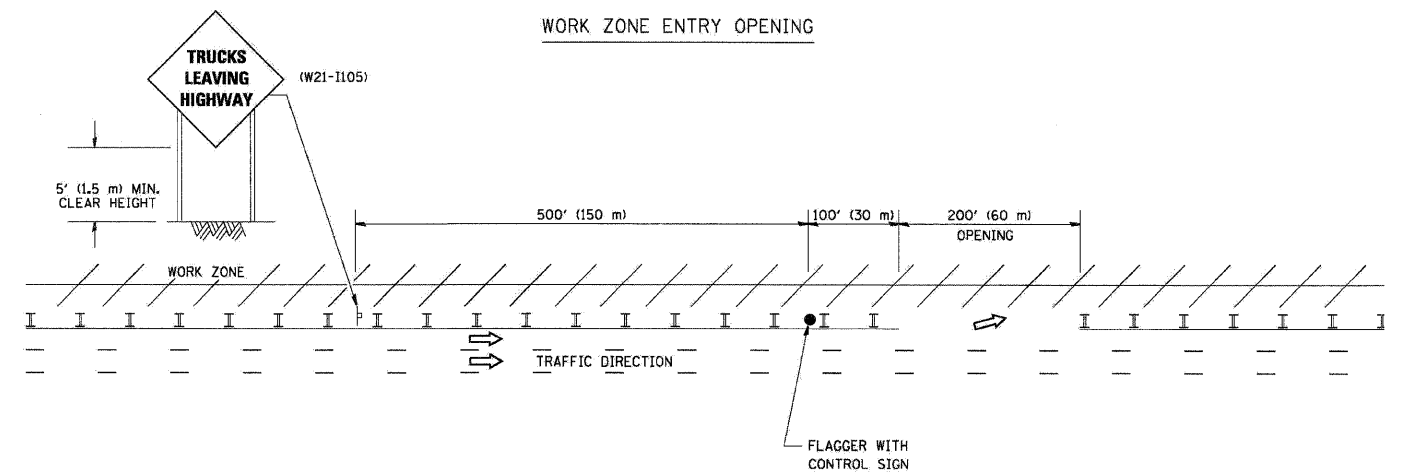
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1RS-6)	COOK	185	183
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
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

TC-18

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	DESIGNED - AJP	REVISED -
...Nrp1n_FDC_C3_D1_TC-18.dgn	DRAWN - TMB	REVISED -
USER NAME = tblank	CHECKED - JMM	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

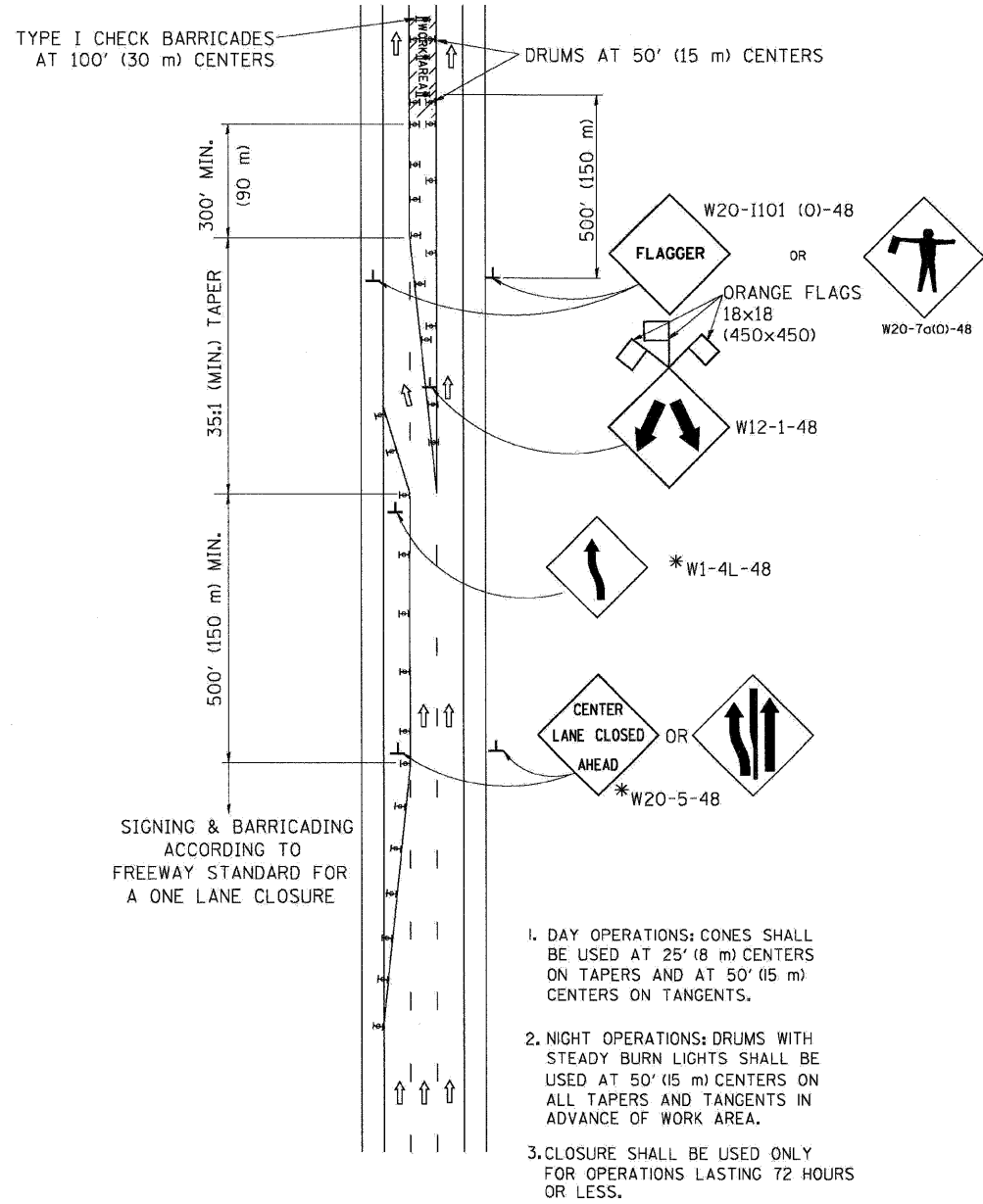
**SIGNING FOR FLAGGING OPERATIONS AT
WORK ZONE OPENINGS**

SCALE: N.T.S. SHEET NO. 14 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B,D, ETC., 3031,1)RS-6		COOK	185	184
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	

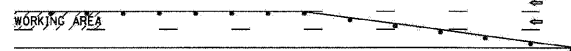
CENTER LANE CLOSURE

TYPE I CHECK BARRICADES AT 100' (30 m) CENTERS

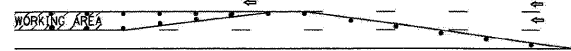


INSTALLATION SEQUENCE

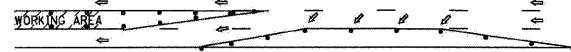
1. CLOSE LANES 1&2



2. ERECT INSIDE LANE 2 TAPER



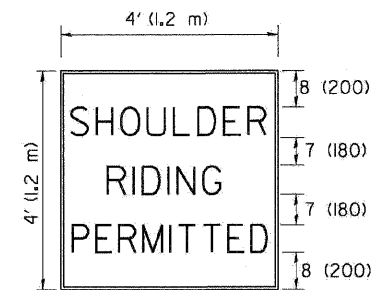
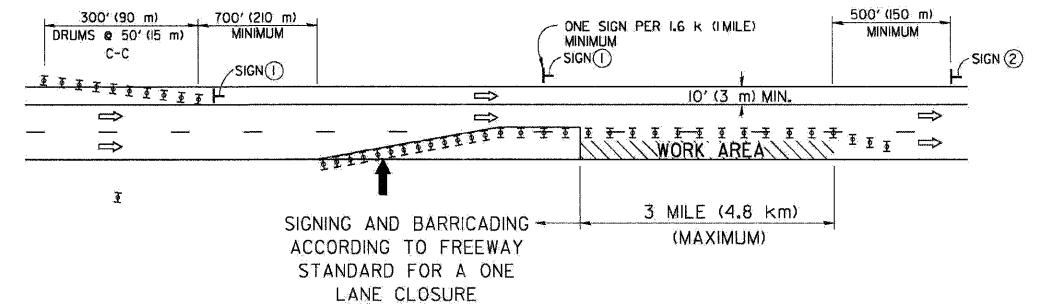
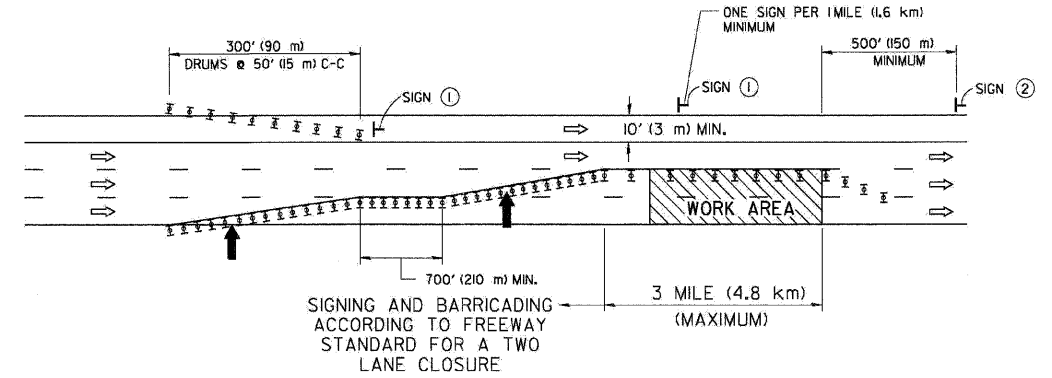
3. OPEN LANE 2 BY RELOCATING FIRST TAPER



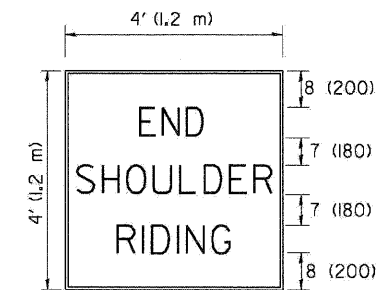
4. REMOVE CLOSURE IN REVERSE ORDER

SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



SIGN ①



SIGN ②

6 (150) SERIES 'C' LEGEND
BLACK LEGEND
WHITE REFLECT. BACKGROUND
1 (25) BORDER

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➔ ARROWBOARD
- ▨ WORK AREA
- ◇ SIGN WITH 18x18 (450x450) ORANGE FLAGS ATTACHED *
- ┌ SIGN ON PORTABLE OR PERMANENT SUPPORT *
- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURN LIGHT

TC-25

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

FILE NAME =	DESIGNED - AJP	REVISED -
...prpln_ABC.C3.D1.1C.25.dgn	DRAWN - TMB	REVISED -
USER NAME = sblank	CHECKED - JMM	REVISED -
PLOT DATE = 11/12/2009	DATE - 10/16/09	REVISED -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
CENTER LANE CLOSURE SHOULDER LANE


SCALE: N.T.S. SHEET NO. 15 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290 (2828B.D. ETC., 3031.1)RS-6		COOK	185	185
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60G53	

EASTBOUND SIGN SCHEDULE

SIGN NO.	STATION	LEGEND/DESCRIPTION	EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN	REMOVE SIGN	REMOVE SIGN	REMOVE SIGN	REMOVE SIGN	REMOVE SIGN	SIGN PANEL	SIGN PANEL	SIGN PANEL	WOOD SIGN	TELESCOPING	REMOVAL OF
			WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)	PANEL-TYPE 1 (SQ FT)	PANEL-TYPE 2 (SQ FT)	PANEL-TYPE 3 (SQ FT)	PANEL ASSEMBLY - TYPE A EACH	PANEL ASSEMBLY - TYPE B EACH	TYPE 1 (SQ FT)	TYPE 2 (SQ FT)	TYPE 3 (SQ FT)	SUPPORT (FOOT)	STEEL SIGN SUPPORT (FOOT)	SIGN LIGHTING, NO SALVAGE (EACH)	
EB-CL-93	876+50	EXIT 23B - CENTRAL AVE - 5600W	20.0	7.5	24.0	9.0			150.0									1.0
EB-WP-93B1	876+60	M3-2	2.5	1.3	2.5	1.3				1.0		3.1			18.0			
EB-WP-93B2	876+60	M1-1-3 (I 290)	PER MUTCD STD (9FT²)		PER MUTCD STD (9FT²)					1.0		9.0						
EB-TS-93A	880+17	W13-3 (30 MPH)	3.0	4.0	4.0	5.0					1.0		20.0				18.0	
EB-WP-94	881+05	EXIT - 23B	7.5	5.0	7.0	5.0					1.0			35.0	36.0			
EB-TS-94A*	889+38	CENTRAL AVE - 5600 W	7.8	2.5	7.8	2.5					1.0		19.6				18.0	
EB-WP-94B	898+45	W4-1R	4.0	4.0	4.0	4.0					1.0		16.0		18.0			
EB-PM-94C1	908+96	M3-2	2.5	1.3	2.5	1.3	3.1					3.1						
EB-PM-94C2	908+96	M1-1-3 (I 290)	PER MUTCD STD (9FT²)		PER MUTCD STD (9FT²)		9.0					9.0						
EB-PM-94D	913+47	R2-1 (55 MPH)	4.0	5.0	4.0	5.0							20.0					
EB-BM-95	916-10	EXIT 24B - 50 CICERO AVE - 1/4 MILE	20.5	9.0	20.5	9.0		20.0						184.5				1.0
EB-BM-95A*	916+10	LARAMIE AVE - 5200 W	8.1	2.5	8.1	2.5	20.3						20.3					
EB-TS-95B	920+30	TRUCKS - USE - 2 - RIGHT - LANES	4.0	5.0	4.0	5.0						1.0	20.0				18.0	
EB-WP-95C	923+48	W4-1R	4.0	4.0	4.0	4.0					1.0		16.0		18.0			
EB-BM-96	931+80	EXIT 24B - 50 CICERO AVE - 4800 W	24.0	9.0	24.0	9.0			216.0					216.0				1.0
EB-BM-96A*	931+80	LAVERGNE AVE - 5000 W	8.8	2.5	8.8	2.5	22.1						22.1					
EB-PM-96B	934+31	W13-3 (30 MPH)	3.0	4.0	4.0	5.0	12.0						20.0					
EB-WP-97	935+70	EXIT - 24B	7.5	5.0	7.0	5.0					1.0			35.0	36.0			
EB-BM-98	942+80	EXIT 26A - INDEPENDENCE BLVD - 1 MILE	23.5	8.5	23.5	8.5			199.8					199.8				1.0
EB-BM-98A*	942+80	CICERO AVE - 4800 W	7.3	2.5	7.3	2.5	18.1						18.1					
EB-BM-98B*	970+36	KOSTNER AVE - 4400 W	8.0	2.5	8.0	2.5	20.0						20.0					
EB-WP-98C	976+86	W4-1R	4.0	4.0	4.0	4.0						1.0	16.0		18.0			
EB-BM-99	984+25	EXIT 26A - INDEPENDENCE BLVD - 1/4 MILE	23.5	8.0	23.5	8.0			188.0					188.0				1.0
EB-BM-99A*	984+25	KEELER AVE	7.3	2.5	7.3	2.5	18.3						18.3					
EB-WP-99B	989+70	R2-1 (55 MPH)	4.0	5.0	4.0	5.0					1.0		20.0		18.0			
EB-PM-99C	992+19	TRUCKS - USE - 2 - RIGHT - LANES	4.0	5.0	4.0	5.0	20.0						20.0					
EB-BM-100	997+70	EXIT 27A - SACRAMENTO BLVD - 1MILE	21.5	8.5	21.5	8.5			182.8					182.8				1.0
EB-BM-101	997+70	EXIT 26A - INDEPENDENCE BLVD - 3800 W	27.0	7.5	27.0	7.5			202.5					202.5				1.0
EB-BM-101A*	997+70	PULASKI AVE - 4000 W	7.7	2.5	7.7	2.5	19.2						19.2					
EB-TS-101B	1003+57	W13-3 (30 MPH)	3.0	4.0	4.0	5.0						1.0	20.0				18.0	
EB-WP-102	1004+50	EXIT - 26A	7.5	5.0	7.0	5.0						1.0		35.0	36.0			
EB-BM-102A*	1011+31	INDEPENDENCE BLVD - 3800 W	11.8	2.5	11.8	2.5			29.4					29.4				
EB-WP-102B	1019+35	W4-1R	4.0	4.0	4.0	4.0					1.0		16.0		18.0			
EB-BM-102C*	1024+19	CENTRAL PARK AVE - 3600 W	10.7	2.5	10.7	2.5			26.7					26.7				
EB-TS-102D1	1026+96	M3-2	2.5	1.3	2.5	1.3				1.0		3.1					18.0	
EB-TS-102D2	1026+96	M1-1-3 (I 290)	PER MUTCD STD (9FT²)		PER MUTCD STD (9FT²)					1.0		9.0						
EB-TS-102E	1031+10	R2-1 (55 MPH)	4.0	5.0	4.0	5.0							20.0				18.0	
EB-PM-102F	1032+08	R2-1 (55 MPH)	4.0	5.0	4.0	5.0	20.0						20.0					
EB-BM-103	1037+40	EXIT 27C - WESTERN AVE - 1 MILE	17.0	8.5	17.0	8.5			144.5					144.5				1.0
EB-BM-103A*	1037+40	HOMAN AVE - 3400 W	7.6	2.5	7.6	2.5	19.0						19.0					
EB-TS-103B	1048+91	TRUCKS - USE - 2 - RIGHT - LANES	4.0	5.0	4.0	5.0						1.0	20.0				18.0	
EB-WP-103C	1046+93	W4-1R	4.0	4.0	4.0	4.0						1.0	16.0		18.0			
EB-BM-104	1037+40	EXIT 27A - SACRAMENTO BLVD - 1/4 MILE	21.5	8.0	21.5	8.0			172.0					172.0				1.0
EB-BM-105	1050+70	EXIT 27A - SACRAMENTO BLVD - 3000 W	22.5	7.5	22.5	7.5			168.8					169.1				1.0
EB-BM-105A*	1050+70	KEDZIE AVE - 3200 W	7.5	2.5	7.5	2.5	18.8						18.8					

*EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

FILE NAME =	DESIGNED - SEW	REVISED -	 LIN ENGINEERING LTD. Consulting Engineers Channah, Illinois Westmont, Illinois	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL#	DRAWN - SEW	REVISED -				290	(2828B,D, ETC., 3031.1)RS-6	COOK	300	186
USER NAME = #USER#	CHECKED - FML	REVISED -				CONTRACT NO. 60653				
PLOT DATE = #DATE#	DATE - 12/2009	REVISED -				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
SCALE: N.T.S.						SHEET NO. 1 OF 4 SHEETS			STA.	TO STA.

EASTBOUND SIGN SCHEDULE

SIGN NO.	STATION	LEGEND/DESCRIPTION	EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL-TYPE 1 (SQ FT)	REMOVE SIGN PANEL-TYPE 2 (SQ FT)	REMOVE SIGN PANEL-TYPE 3 (SQ FT)	REMOVE SIGN PANEL ASSEMBLY - TYPE A EACH	REMOVE SIGN PANEL ASSEMBLY - TYPE B EACH	SIGN PANEL TYPE 1 (SQ FT)	SIGN PANEL TYPE 2 (SQ FT)	SIGN PANEL TYPE 3 (SQ FT)	WOOD SIGN SUPPORT (FOOT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	REMOVAL OF SIGN LIGHTING, NO SALVAGE (EACH)	
			WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)												
EB-PM-105B	1057+17	W13-3 (30 MPH)	3.0	4.0	4.0	5.0												
EB-WP-106	1058+50	EXIT - 27A	7.5	5.0	7.0	5.0		12.0				20.0						
EB-BM-107	1064+30	EXIT 28A - DAMEN AVE - 1 MILE	15.5	8.0	15.5	8.0								35.0	36.0			
EB-BM-108	1064+30	EXIT 27C - WESTERN AVE - 1/4 MILE	17.0	8.0	17.0	8.0								124.0			1.0	
EB-BM-108A*	1064+30	SACRAMENTO BLVD - 3000 W	10.6	2.5	10.6	2.5			124.0					136.0			1.0	
EB-TS-108B	1070+46	TRUCKS - USE - 2 - RIGHT - LANES	4.0	5.0	4.0	5.0			26.5					26.5				
EB-BM-108C*	1077+65	CALIFORNIA AVE - 2800 W	9.1	2.5	9.1	2.5									18.0			
EB-CL-109	1083+10	EXIT 27C - WESTERN AVE - 2400 W	20.0	7.5	20.0	7.5		22.8				22.8					1.0	
EB-PM-109A	1083+10	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					20.0					
EB-WP-109B	1085+67	W4-1R	4.0	4.0	4.0	4.0							16.0		18.0			
EB-WP-110	1088+00	EXIT - 27C	7.5	5.0	7.0	5.0							16.0		35.0		36.0	
EB-WP-110A	1095+31	W4-1R	4.0	4.0	4.0	4.0							16.0		18.0			
EB-WP-110B	1096+00	W13-3 (30 MPH)	3.0	4.0	4.0	5.0							16.0		18.0			
EB-BM-110C	1090+79	14 FT 3 IN	5.5	1.5	5.5	1.5	8.3					8.3						
EB-WP-111	1096+90	EXIT	6.0	5.0	6.0	5.0							16.0		18.0			
EB-PM-111A	1103+91	R2-1 (55 MPH)	4.0	5.0	4.0	5.0		20.0					20.0		30.0	36.0		
EB-BM-112	1104+40	EXIT 28B - PAULINA ST-ASHLAND AVE - 3/4 MILE	32.0	7.5	32.0	7.5			240.0					240.0			1.0	
EB-BM-113	1104+40	EXIT 28A - DAMEN AVE - 1/4 MILE	15.5	7.5	15.5	7.5			116.3					116.3			1.0	
EB-BM-113A*	1104+40	WESTERN AVE - 2400 W	8.3	2.5	8.3	2.5		20.8					20.8					
EB-TS-113B1	1106+90	M3-2	2.5	1.3	2.5	1.3				1.0			3.1			18.0		
EB-TS-113B2	1106+90	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)					1.0			9.0					
EB-BM-113C*	1111+26	OAKLEY BLVD - 2300 W	8.0	2.5	8.0	2.5		20.0					20.0					
EB-WP-113D	1115+92	W4-1R	4.0	4.0	4.0	4.0							16.0		18.0			
EB-TS-113E*	1117+95	LEAVITT ST - 2200 W	6.6	2.5	6.6	2.5							16.5			18.0		
EB-BM-114	1118+00	EXIT 29A - RACINE AVE - 1 MILE	15.5	8.0	15.5	8.0			124.0					124.0			1.0	
EB-BM-115	1118+00	EXIT 28B - PAULINA ST-ASHLAND AVE - 1/2 MILE	32.0	8.0	32.0	8.0			256.0					256.0			1.0	
EB-BM-116	1118+00	EXIT 28A - DAMEN AVE - 2000 W	19.0	8.0	19.0	8.0			152.0					152.0			1.0	
EB-PM-116A	1123+31	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					20.0					
EB-WP-117	1125+50	EXIT - 28A	7.5	5.0	7.0	5.0							16.0		35.0	36.0		
EB-PM-117A	1127+98	TRUCKS - USE - 2 - RIGHT - LANES	4.0	5.0	4.0	5.0		20.0					20.0					
EB-GM-118*	1130+50	ILLINOIS MED DISTRICT - UNIV OF ILL MED CENTER - RUSH UNIVERSITY - EXIT 28B	19.0	9.0	19.0	9.0			171.0					171.0				
EB-BM-118A*	1131+11	DAMEN AVE - 2000 W	7.5	2.5	7.5	2.5		18.8					18.8					
EB-WP-118B	1136+11	W4-1R	4.0	4.0	4.0	4.0			267.8				16.0		18.0			
EB-CL-119	1138+50	EXIT 28B - PAULINA ST 1700 W - ASHLAND AVE 1600 W	31.5	8.5	31.5	8.5								267.8			1.0	
EB-BM-119A*	1139+45	OGDEN AVE - 1850 W	7.3	2.5	7.3	2.5		18.3					18.3					
EB-WP-119B	1144+14	W13-3 (30 MPH)	3.0	4.0	4.0	5.0							20.0		18.0			
EB-WP-120	1145+20	EXIT - 28B	7.5	5.0	7.0	5.0								35.0	36.0			
EB-PM-120A	1148+73	END - TRUCK - LANE - RESTRICTIONS	4.0	5.0	4.0	5.0		20.0					20.0					
EB-GM-121*	1149+50	UNIVERSITY - OF ILLINOIS - AT CHICAGO - EXIT 29A	13.0	10.0	13.0	10.0			275.0					130.0				
EB-BM-122	1151+20	90 94 KENNEDY EXPY RYAN EXPY - WISCONSIN - INDIANA - 1 MILE	25.0	11.0	25.0	11.0			124.0					171.0			1.0	
EB-BM-123	1151+20	EXIT 29A - RACINE AVE - 1/2 MILE	15.5	8.0	15.5	8.0								124.0			1.0	
EB-BM-123A*	1151+20	PAULINA ST - 1700 W	7.0	2.5	7.0	2.5		17.5					17.5					
EB-BM-123B*	1157+93	ASHLAND BLVD - 1600 W	8.6	2.5	8.6	2.5		21.5					21.5					
EB-WP-123C	1163+84	W4-1R	4.0	4.0	4.0	4.0							16.0		18.0			
EB-PM-123D1	1167+46	SPEED - ZONE - AHEAD	3.0	4.0	3.0	4.0							12.0					
EB-PM-123D2	1167+46	W13-1 (45 MPH)	2.0	2.0	2.0	2.0	4.0	12.0	146.3			4.0						
EB-BM-124	1170+30	EXIT 29A - RACINE AVE - 1200 W	19.5	7.5	19.5	7.5								146.3			1.0	
EB-BM-124A*	1170+30	LOOMIS ST - 1400 W	6.8	2.5	6.8	2.5							16.9					
EB-PM-124B	1174+20	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					16.9					
EB-WP-125	1175+20	EXIT - 29A	7.5	5.0	7.0	5.0								35.0	36.0			
EB-TS-125B1	1178+98	SPEED - ZONE - AHEAD	3.0	4.0	3.0	4.0							12.0			18.0		
EB-TS-125B2	1178+98	W13-1 (45 MPH)	2.0	2.0	2.0	2.0				1.0			4.0					
EB-PM-125A1	1178+98	SPEED - ZONE - AHEAD	3.0	4.0	3.0	4.0							12.0					
EB-PM-125A2	1178+98	W13-1 (45 MPH)	2.0	2.0	2.0	2.0	4.0	12.0				4.0	12.0					
EB-WP-125C	1184+00	R2-1 (45 MPH)	4.0	5.0	4.0	5.0			171.0				20.0		18.0			
EB-PM-125D	1184+00	R2-1 (45 MPH)	4.0	5.0	4.0	5.0		20.0	201.3				20.0					
EB-BM-126*	1184+20	CONGRESS PKWY - CHICAGO LOOP	19.0	9.0	19.0	9.0			178.3								1.0	
EB-BM-127*	1184+20	90 94 WEST KENNEDY EXPY - WISCONSIN	17.5	11.5	17.5	11.5								171.0			1.0	
EB-BM-128*	1184+20	90 94 EAST RYAN EXPY - INDIANA	15.5	11.5	15.5	11.5								201.3			1.0	
EB-BM-128A*	1184+20	RACINE AVE - 1200 W	7.4	2.5	7.4	2.5		18.6	162.8				18.6				1.0	
EB-BM-128B*	1198+41	MORGAN ST - 1000 W	7.0	2.5	7.0	2.5			187.0				17.5					
EB-BM-129	1204+80	90 94 WEST KENNEDY EXPY - WISCONSIN	15.5	10.5	16.5	10.5								173.3			1.0	
EB-BM-130	1204+80	90 94 EAST RYAN EXPY - INDIANA	17.0	11.0	17.0	11.0			285.0					187.0			1.0	
EB-BM-130A*	1204+80	PEORIA ST - 900 W	6.4	2.5	6.4	2.5		16.1	173.3				16.1					
EB-TR-131*	1208+20	CONGRESS PKWY - CHICAGO LOOP	30.0	9.5	30.0	9.5			187.0								1.0	
EB-TR-132*	1208+20	90 94 WEST KENNEDY EXPY - WISCONSIN	16.5	10.5	16.5	10.5								285.0			1.0	
EB-TR-133*	1208+20	90 94 EAST RYAN EXPY - INDIANA	17.0	11.0	17.0	11.0								173.3			1.0	
EB-PM-133A	1208+20	R2-1 (45 MPH)	4.0	5.0	4.0	5.0		20.0	162.8				20.0				1.0	
EB-TS-133B	1210+38	R2-1 (45 MPH)	4.0	5.0	4.0	5.0			187.0				20.0			18.0		
EB-TR-134	1210+50	90 94 WEST KENNEDY EXPY - WISCONSIN	15.5	10.5	16.5	10.5								173.3			1.0	
EB-TR-135	1210+50	90 94 EAST RYAN EXPY - INDIANA	17.0	11.0	17.0	11.0								187.0			1.0	
EB-BM-136	1211+18	LANES SPLIT	4.0	4.0	4.0	4.0			16.0				16.0					
EB-BM-137*	1211+18	HALSTED ST - 800 W	7.0	2.5	7.0	2.5			17.5				17.5					
EASTBOUND SUBTOTAL								29	642	6199	7	33	69	1110	6597	594	216	32


*EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

FILE NAME =	DESIGNED - SEW	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DRAWN - SEW	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	290 (2828B,D, ETC., 3031.1)RS-6	COOK	300	187
USER NAME - #USER#	CHECKED - FML	REVISED -			CONTRACT NO. 60653			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
PLOT DATE = #DATE#	DATE - 12/2009	REVISED -										

WESTBOUND SIGN SCHEDULE

SIGN NO.	STATION	LEGEND/DESCRIPTION	EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL-TYPE 1 (SQ FT)	REMOVE SIGN PANEL-TYPE 2 (SQ FT)	REMOVE SIGN PANEL-TYPE 3 (SQ FT)	REMOVE SIGN PANEL ASSEMBLY - TYPE A EACH	REMOVE SIGN PANEL ASSEMBLY - TYPE B EACH	SIGN PANEL TYPE 1 (SQ FT)	SIGN PANEL TYPE 2 (SQ FT)	SIGN PANEL TYPE 3 (SQ FT)	WOOD SIGN SUPPORT (FOOT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	REMOVAL OF SIGN LIGHTING, NO SALVAGE (EACH)
			WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)											
WB-CL-102*	879+50	EXIT 23A - AUSTIN BLVD - EXIT ONLY	18.0	11.0	18.0	11.0			198.0					198.0			1.0
WB-PM-102A	879+50	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					20.0				
WB-WP-102B	884+86	W4-1R	4.0	4.0	4.0	4.0				1.0			16.0		18.0		
WB-CL-103*	885+00	EXIT 23A - AUSTIN BLVD - EXIT ONLY	15.0	10.5	15.0	10.5			157.5					157.5			1.0
WB-TS-103A	891+08	CENTRAL AVE - 5600 W	7.8	2.5	7.8	2.5				1.0			19.6			18.0	
WB-TR-104*	895+10	EXIT 23A - AUSTIN BLVD - EXIT ONLY	18.0	10.5	18.0	10.5			189.0					189.0			1.0
WB-TR-105	895+10	EXIT 21B - IL 43 HARLEM AVE - LEFT 2 MILES	16.5	10.5	16.5	10.5			173.3					173.3			1.0
WB-WP-106	899+00	EXIT - 23B	7.5	5.0	7.0	5.0				1.0				35.0	36.0		
WB-TS-106A	903+00	W13-3 (30 MPH)	3.0	4.0	4.0	5.0				1.0			20.0			18.0	
WB-CL-107	909+00	EXIT 23B - CENTRAL AVE - 5600 W	20.0	7.5	20.0	7.5			150.0					150.0			1.0
WB-BM-108	916+90	LEFT EXIT 23A - AUSTIN BLVD - LEFT 3/4 MILE	16.0	9.0	16.0	9.0			144.0					144.0			1.0
WB-BM-109	916+90	EXIT 23B - CENTRAL AVE - 1/4 MILE	16.0	8.0	16.0	8.0			128.0					128.0			1.0
WB-BM-109A*	916+90	LARAMIE AVE - 5200 W	8.1	2.5	8.1	2.5		20.3					20.3				
WB-WP-109B	921+46	TRUCKS - USE - RIGHT - 2 - LANES	4.0	5.0	4.0	5.0				1.0			20.0		18.0		
WB-WP-110	924+80	EXIT - 24A	7.5	5.0	7.0	5.0				1.0				35.0	36.0		
WB-PM-110A	926+11	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					20.0				
WB-PM-110B1	929+34	M3-4	2.5	1.3	2.5	1.3	3.1					3.1					
WB-PM-110B2	929+34	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)		9.0										
WB-BM-111	931+90	EXIT 24A - LARAMIE AVE - 5200 W	21.0	7.5	21.0	7.5			157.5					157.5			1.0
WB-BM-111A*	931+90	LAVERGNE AVE - 5000 W	8.8	2.5	8.8	2.5		22.1					22.1				
WB-TS-111B	937+41	W4-1R	4.0	4.0	4.0	4.0				1.0			16.0		18.0		
WB-BM-112	943+70	EXIT 23B - CENTRAL AVE - 3/4 MILE	16.5	8.5	16.5	8.5			140.3					140.3			1.0
WB-BM-113	943+70	EXIT 24A - LARAMIE AVE - 1/4 MILE	17.0	8.0	17.0	8.5			136.0					144.5			1.0
WB-BM-113A*	943+70	CICERO AVE - 4800 W	7.3	2.5	7.3	2.5		18.1					18.1				
WB-BM-113B*	971+73	KOSTNER AVE - 4400 W	8.0	2.5	8.0	2.5		20.0					20.0				
WB-WP-114	977+90	EXIT - 25	6.0	5.0	6.0	5.0				1.0				30.0	36.0		
WB-TS-114A	980+40	W13-3 (30 MPH)	3.0	4.0	4.0	5.0				1.0			20.0		18.0		
WB-BM-115	984+95	EXIT 25 - KOSTNER AVE - 4400 W	20.5	7.5	20.5	7.5			153.8					153.8			1.0
WB-BM-115A*	984+95	KEELER AVE - 4200 W	7.3	2.5	7.3	2.5		18.3					18.3				
WB-PM-115B	985+62	TRUCKS - USE - RIGHT - 2 - LANES	4.0	5.0	4.0	5.0		20.0					20.0				
WB-TS-115C	992+38	R2-1 (55 MPH)	4.0	5.0	4.0	5.0				1.0			20.0		18.0		
WB-TS-115D1	997+14	M3-4	2.5	1.3	2.5	1.3				1.0			3.1		18.0		
WB-TS-115D2	997+14	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)					1.0			9.0				
WB-BM-115E*	998+45	PULASKI AVE - 4000 W	7.7	2.5	7.7	2.5		19.2					19.2				
WB-BM-115F	1004+79	W4-1R	4.0	4.0	4.0	4.0		16.0					16.0				
WB-BM-116	1013+75	EXIT 24A - LARAMIE AVE - 1 1/2 MILES	17.0	8.5	17.0	8.5			144.5					144.5			1.0
WB-BM-117	1013+75	EXIT 25 - KOSTNER AVE - 1/2 MILE	16.5	8.5	16.5	8.5			140.3					140.3			1.0
WB-BM-117A	1013+75	INDEPENDENCE BLVD - 3800 W	11.8	2.5	11.8	2.5			29.4					29.4			
WB-WP-118	1019+30	EXIT - 26A	7.5	5.0	7.0	5.0				1.0				35.0	36.0		
WB-PM-118A	1020+46	W13-3 (30 MPH)	3.0	4.0	4.0	5.0		12.0					20.0				
WB-BM-119	1024+90	EXIT 26A - INDEPENDENCE BLVD - 3800 W	27.0	7.5	27.0	7.0			202.5					189.0			1.0
WB-BM-119A	1024+90	CENTRAL PARK AVE - 3600 W	10.7	2.5	10.7	2.5			26.7					26.7			
WB-BM-120	1038+10	EXIT 25 - KOSTNER AVE - 1 MILE	16.5	8.5	16.5	8.5			140.3					140.3			1.0
WB-BM-121	1038+10	EXIT 26A - INDEPENDENCE BLVD - 1/4 MILE	23.5	8.0	23.5	8.0			188.0					188.0			1.0

*EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

FILE NAME =	DESIGNED - SEW	REVISED -	 LIN ENGINEERING, LTD. Consulting Engineers Chatham, Illinois Westmont, Illinois	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL*	DRAWN - SEW	REVISED -				290	(2828B,D, ETC., 3031.1)RS-6	COOK	300	188
USER NAME = #USER*	CHECKED - FML	REVISED -				CONTRACT NO. 60G53				
PLOT DATE = #DATE*	DATE - 12/2009	REVISED -				SCALE: N.T.S.	SHEET NO. 3 OF 4 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	[ILLINOIS] FED. AID PROJECT


WESTBOUND SIGN SCHEDULE

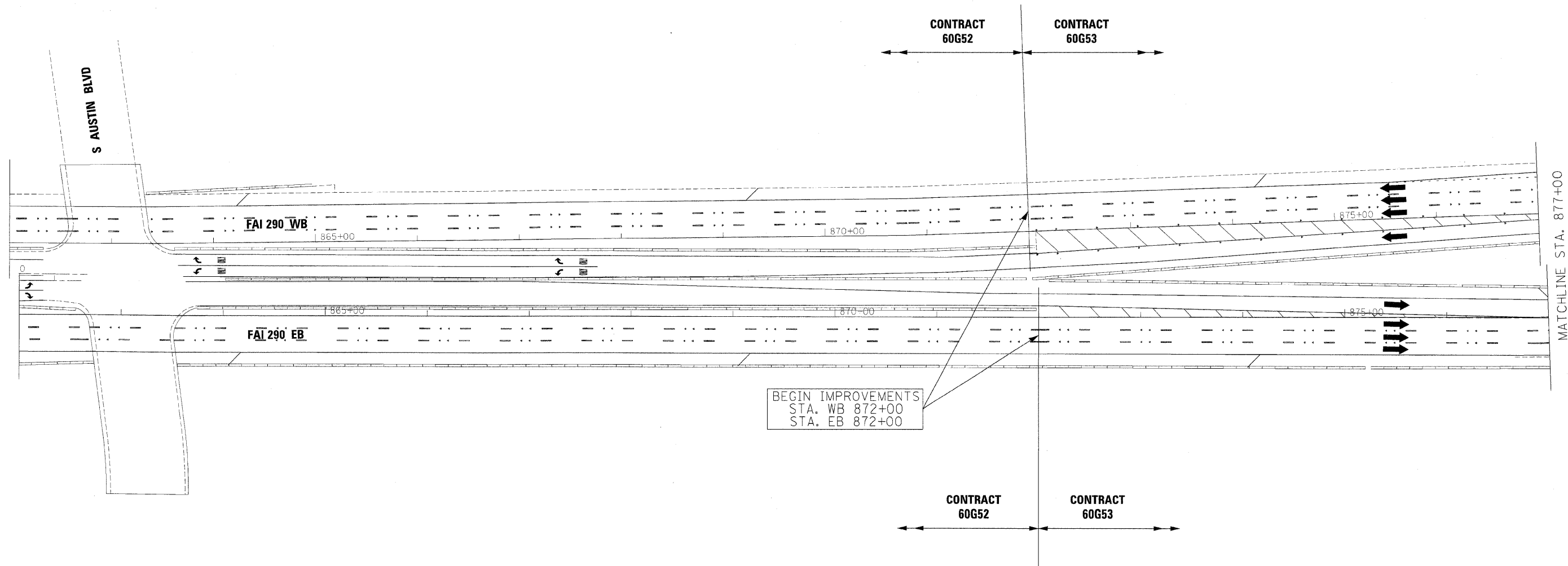
SIGN NO.	STATION	LEGEND/DESCRIPTION	EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL-TYPE 1 (SQ FT)	REMOVE SIGN PANEL-TYPE 2 (SQ FT)	REMOVE SIGN PANEL-TYPE 3 (SQ FT)	REMOVE SIGN PANEL ASSEMBLY - TYPE A EACH	REMOVE SIGN PANEL ASSEMBLY - TYPE B EACH	SIGN PANEL TYPE 1 (SQ FT)	SIGN PANEL TYPE 2 (SQ FT)	SIGN PANEL TYPE 3 (SQ FT)	WOOD SIGN SUPPORT (FOOT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	REMOVAL OF SIGN LIGHTING, NO SALVAGE (EACH)
			WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)											
WB-BM-121A*	1038+10	HOMAN AVE - 3400 W	7.6	2.5	7.6	2.5							19.0				
WB-PM-121B	1040+50	TRUCKS - USE - RIGHT - 2 - LANES	4.0	5.0	4.0	5.0							20.0				
WB-WP-122	1045+70	EXIT - 26B	7.5	5.0	7.0	5.0											
WB-TS-122A	1046+75	W13-3 (30 MPH)	3.0	4.0	4.0	5.0											
WB-BM-123	1051+55	EXIT 26B - HOMAN AVE - 3400 W	19.5	7.5	19.5	7.5											
WB-BM-123A*	1051+55	KEDZIE AVE - 3200 W	7.4	2.5	7.4	2.5		18.5						146.3			1.0
WB-TS-123B	1059+48	W4-1R	4.0	4.0	4.0	4.0											
WB-BM-123C*	1065+26	SACRAMENTO BLVD - 3000 W	10.6	2.5	10.6	2.5											
WB-BM-124	1078+70	EXIT 26A - INDEPENDENCE BLVD - 1 MILE	23.5	8.5	23.5	8.5											
WB-BM-125	1078+70	EXIT 26B - HOMAN AVE - 1/2 MILE	15.5	8.5	15.5	8.5											
WB-BM-125A*	1078+70	CALIFORNIA AVE - 2800 W	9.1	2.5	9.1	2.5											
WB-PM-125B	1079+39	TRUCKS - USE - RIGHT - 2 - LANES	4.0	5.0	4.0	5.0											
WB-TS-125C	1079+39	TRUCKS - USE - RIGHT - 2 - LANES	4.0	5.0	4.0	5.0											
WB-WP-126	1085+40	EXIT	6.0	5.0	6.0	5.0											
WB-TS-126A	1088+30	W4-1R	4.0	4.0	4.0	4.0											
WB-WP-127	1094+90	EXIT - 27B	7.5	5.0	7.0	5.0											
WB-TS-127A	1096+87	W4-1R	4.0	4.0	4.0	4.0											
WB-CL-128	1100+00	EXIT 27B - CALIFORNIA AVE - 2800 W	23.0	7.5	23.0	7.5											
WB-TS-128A	1100+00	W13-3 (30 MPH)	3.0	4.0	4.0	5.0											
WB-BM-128B*	1105+86	WESTERN AVE - 2400 W	8.3	2.5	8.3	2.5											
WB-BM-128C*	1112+21	OAKLEY BLVD - 2300 W	8.0	2.5	8.0	2.5											
WB-WP-129	1115+80	EXIT - 27C	7.5	5.0	7.0	5.0											
WB-PM-129A	1117+00	W13-3 (30 MPH)	3.0	4.0	4.0	5.0											
WB-BM-130	1118+70	EXIT 26B - HOMAN AVE - 1 1/4 MILES	15.5	8.5	15.5	8.5											
WB-BM-131	1118+70	EXIT 27B - CALIFORNIA AVE - 1/4 MILE	19.0	8.0	19.0	8.0											
WB-BM-132	1118+70	EXIT 27C - OAKLEY BLVD 2300 W - WESTERN AVE 2400 W	21.5	11.5	21.5	11.5											
WB-BM-132A*	1118+70	LEAVITT ST - 2200 W	6.6	2.5	6.6	2.5											
WB-PM-132B1	1120+80	M3-4	2.5	1.3	2.5	1.3											
WB-PM-132B2	1120+80	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)												
WB-TS-132C	1127+29	W4-1R	4.0	4.0	4.0	4.0											
WB-BM-133	1132+20	EXIT 27B - CALIFORNIA AVE - 1/2 MILE	19.0	8.0	19.0	8.0											
WB-BM-134	1132+20	EXIT 27C - OAKLEY BLVD-WESTERN AVE - 1/4 MILE	33.0	8.0	33.0	8.0											
WB-BM-134A*	1132+20	DAMEN AVE - 2000 W	7.5	2.5	7.5	2.5											
WB-PM-134B	1134+51	TRUCKS - USE - RIGHT - 2 - LANES	4.0	5.0	4.0	5.0											
WB-TS-134C	1136+18	R2-1 (55 MPH)	4.0	5.0	4.0	5.0											
WB-WP-135	1137+50	EXIT - 28A	7.5	5.0	7.0	5.0											
WB-PM-135A	1138+32	W13-3 (30 MPH)	3.0	4.0	4.0	5.0											
WB-BM-135B*	1142+93	OGDEN AVE - 1850 W	7.3	2.5	7.3	2.5											
WB-CL-136	1144+00	EXIT 28A - DAMEN AVE - 2000 W	19.0	8.0	19.0	8.0											
WB-WP-136A	1146+34	W4-1R	4.0	4.0	4.0	4.0											
WB-BM-136B*	1152+29	PAULINA ST - 1700 W	7.0	2.5	7.0	2.5											
WB-BM-137	1159+20	EXIT 27C - OAKLEY BLVD-WESTERN AVE - 3/4 MILE	33.0	8.5	33.0	8.5											
WB-BM-138	1159+20	EXIT 28A - DAMEN AVE - 1/4 MILE	15.0	8.0	15.0	8.0											
WB-BM-138A*	1159+20	ASHLAND BLVD - 1600 W	8.6	2.5	8.6	2.5											
WB-WP-139	1165+50	EXIT - 28B	7.5	5.0	7.0	5.0											
WB-PM-139A	1166+30	W13-3 (30 MPH)	3.0	4.0	4.0	5.0											
WB-BM-140	1172+00	EXIT 28B - ASHLAND BLVD 1600 W - PAULINA ST 1700 W	31.5	8.5	31.5	8.5											
WB-BM-140A*	1172+00	LOOMIS ST - 1400 W	6.8	2.5	6.8	2.5											
WB-TS-140B	1178+75	W4-1R	4.0	4.0	4.0	4.0											
WB-GM-141	1183+00	ILLINOIS MED DISTRICT - UNIV OF ILL MED CENTER - RUSH UNIVERSITY - EXIT 28B	19.0	9.0	19.0	9.0											
WB-BM-141A*	1185+38	RACINE AVE - 1200 W	7.4	2.5	7.4	2.5											
WB-GM-142	1190+50	UNIVERSITY - OF ILLINOIS - AT CHICAGO - EXIT 28B	12.0	9.0	13.0	10.0											
WB-TS-142A1	1195+00	M3-4	2.5	1.3	2.5	1.3											
WB-TS-142A2	1195+00	M1-1-3 (I 290)	PER MUTCD STD (9FT ²)		PER MUTCD STD (9FT ²)												
WB-PM-142B	1193+49	R2-1 (55 MPH)	4.0	5.0	4.0	5.0											
WB-BM-143	1199+30	EXIT 28A - DAMEN AVE - 1 MILE	15.5	8.5	15.5	8.5											
WB-BM-144	1199+30	EXIT 28B - ASHLAND AVE - PAULINA ST - 1/2 MILE	32.0	8.0	32.0	8.0											
WB-BM-144A*	1199+30	MORGAN ST - 1000 W	7.0	2.5	7.0	2.5											
WB-WP-145	1202+35	EXIT - 29B	7.5	5.0	7.0	5.0											
WB-TS-145A	1203+10	W13-3 (30 MPH)	3.0	4.0	4.0	5.0											
WB-BM-146	1205+60	EXIT 28B - ASHLAND AVE - PAULINA ST - 3/4 MILE	32.0	8.0	32.0	7.5											
WB-BM-147	1205+60	EXIT 29B - MORGAN ST - 1000 W	18.0	7.5	18.0	7.5											
WB-TS-147A*	1205+60	PEORIA ST - 900 W	6.4	2.5	6.4	2.5											
WB-WP-148	1210+78	W4-3R	4.0	4.0	4.0	4.0											
WB-BM-148A	1212+07	HALSTED ST - 800 W	7.0	2.5	7.0	2.5											
WB-BM-149*	1212+90	EXIT TO - MORGAN ST - PROHIBITED	16.0	9.0	16.0	9.0											
WB-GM-150*	1213+10	DO NOT CROSS - SOLID WHITE LINE - STAY IN YOUR LANE	25.5	9.0	25.5	9.0											
WESTBOUND SUBTOTAL							25	570	6474	4	31	49	978	6850	468	324	33

*EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

MILE POST MARKER ASSEMBLY

DIRECTION	EACH
EASTBOUND	13
WESTBOUND	13
TOTAL	26

FILE NAME =	DESIGNED - SEW	REVISED -	 LIN ENGINEERING LTD. Consulting Engineers Chatham, Illinois Westmont, Illinois	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$	DRAWN - SEW	REVISED -			SCALE: N.T.S.	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.	290	(28285.D, ETC., 3031.1)RS-6	COOK	300	189
USER NAME = \$USER\$	CHECKED - FML	REVISED -							CONTRACT NO. 60653			
PLOT DATE = \$DATE\$	DATE - 12/2009	REVISED -							FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			



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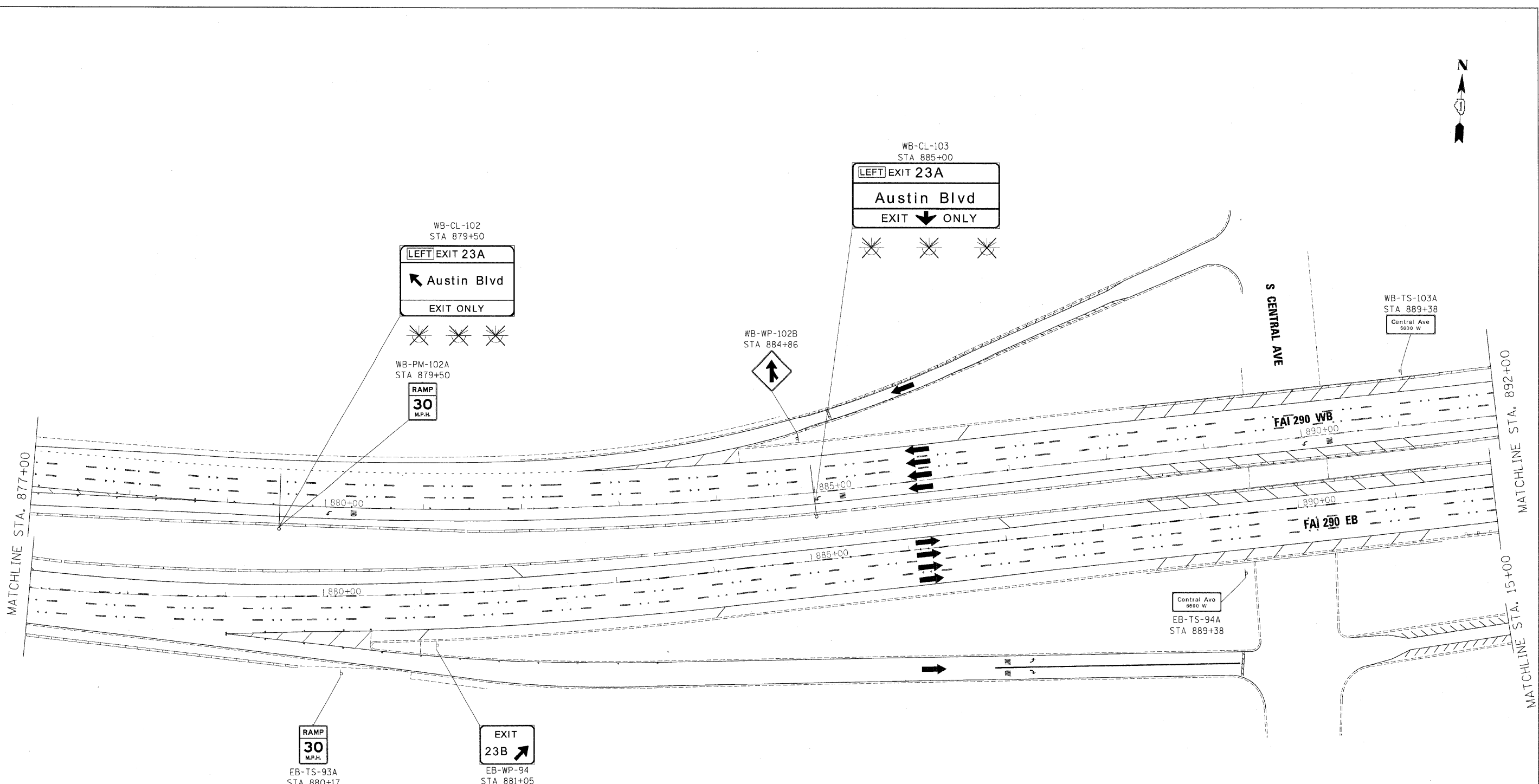
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
STA 862+00 TO STA 877+00**

SCALE: 1"=50' SHEET NO. 1 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D., ETC., 3031.1)RS-6	COOK	300	190
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



EXAMPLE

EB-TR-03

DIRECTION OF TRAFFIC	SIGN PANEL NUMBER
NB - NORTHBOUND FAI 355	
SB - SOUTHBOUND FAI 355	
EB - EASTBOUND FAI 290	
WB - WESTBOUND FAI 290	
LS - LAKE STREET	
AT - ARMY TRAIL RD	
83 - IL 83 (KINGERY HWY)	
64 - IL 64 (NORTH AVE)	
MOUNTING TYPE	
TR - TRUSS	
CL - CANTILEVER	
BM - BRIDGE MOUNTED	
WP - WOOD POST	
BS - BREAKAWAY STEEL	
LP - LIGHT POLE	
GM - GROUND MOUNTED	

[Symbol] REMOVE AND REPLACE SIGN PANEL
 [Symbol] EXISTING LUMINAIRE TO BE REMOVED

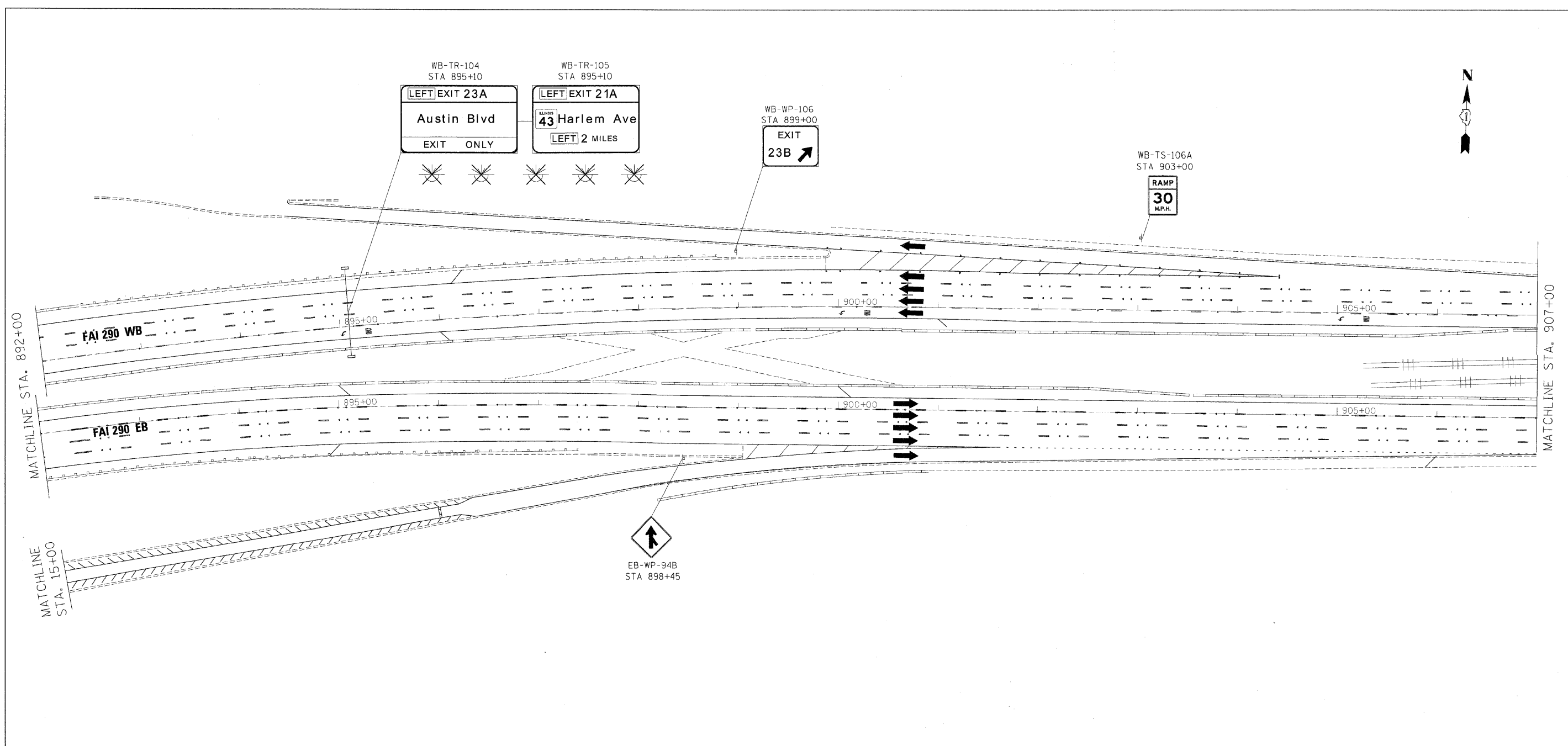
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PLOT DATE = 12/15/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

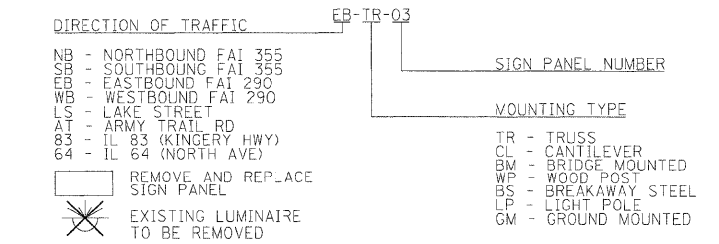
SIGNING PLAN	
STA 877+00 TO STA 892+00	
SCALE: 1"=50'	SHEET NO. 2 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)URS-6	COOK	300	191
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60653		



**GUIDE SIGN SEQUENCE
NUMBERING CODE**

EXAMPLE



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USER NAME = jmajewski	CHECKED - JMM	REVISED -
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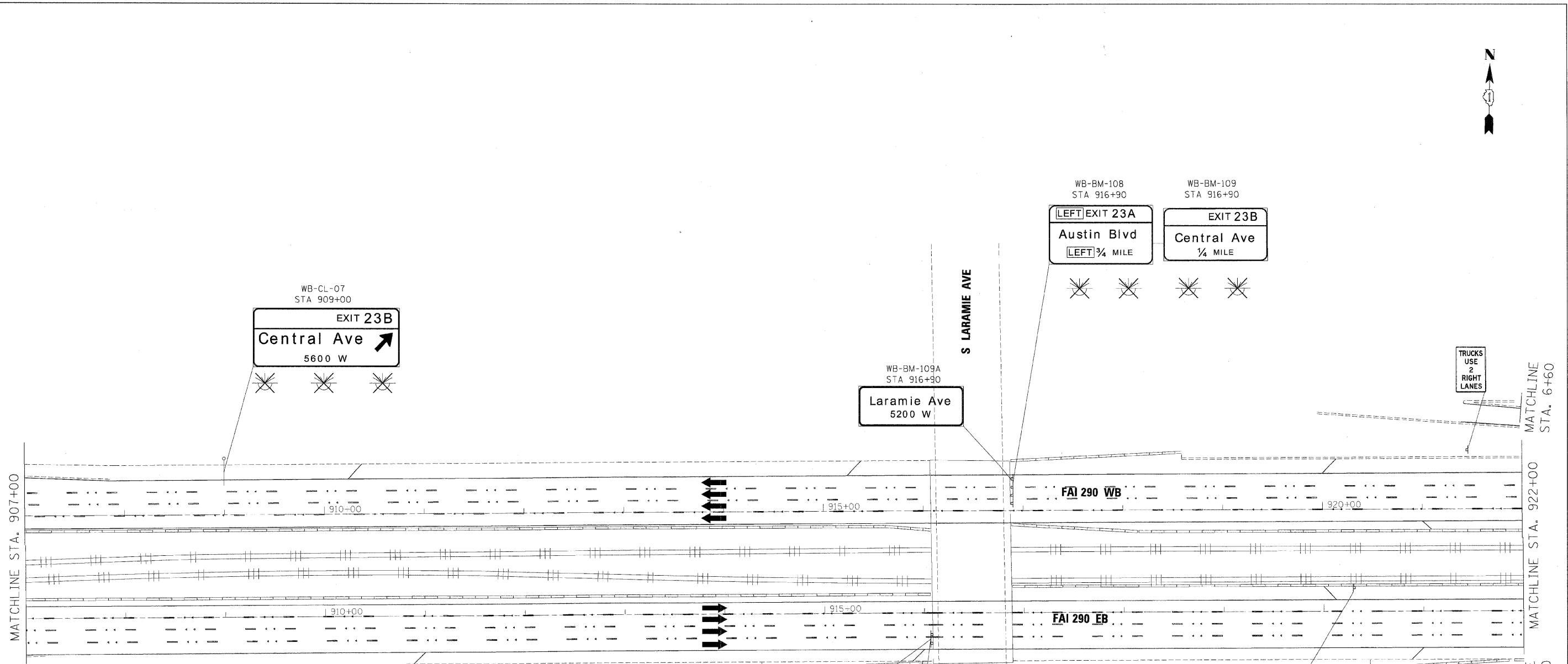
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
STA 892+00 TO STA 907+00**

SCALE: 1"=50' SHEET NO. 3 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031)RS-6	COOK	300	192
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



EAST
INTERSTATE
290

EB-PM-94C1
STA 908+96
EB-PM-94C2
STA 908+96

SPEED
LIMIT
55

EB-PM-94D
STA 913+47

Laramie Ave
5200 W

EB-BM-95A
STA 916+10
EB-BM-95
STA 916+10

EXIT 24 B

50 Cicero Ave
1/4 MILE

TRUCKS
USE
2
RIGHT
LANES

EB-TS-95B
STA 920+30

**GUIDE SIGN SEQUENCE
NUMBERING CODE**

EXAMPLE
EB-TR-Q3

DIRECTION OF TRAFFIC

NB - NORTHBOUND FAI 355
SB - SOUTHBOUND FAI 355
EB - EASTBOUND FAI 290
WB - WESTBOUND FAI 290
LS - LAKE STREET
AT - ARMY TRAIL RD
83 - IL 83 (KINGERY HWY)
64 - IL 64 (NORTH AVE)

REMOVE AND REPLACE
SIGN PANEL

EXISTING LUMINAIRE
TO BE REMOVED

SIGN PANEL NUMBER

MOUNTING TYPE

TR - TRUSS
CL - CANTILEVER
BM - BRIDGE MOUNTED
WP - WOOD POST
BS - BREAKAWAY STEEL
LP - LIGHT POLE
GM - GROUND MOUNTED

FILE NAME =	DESIGNED - AJP	REVISED -
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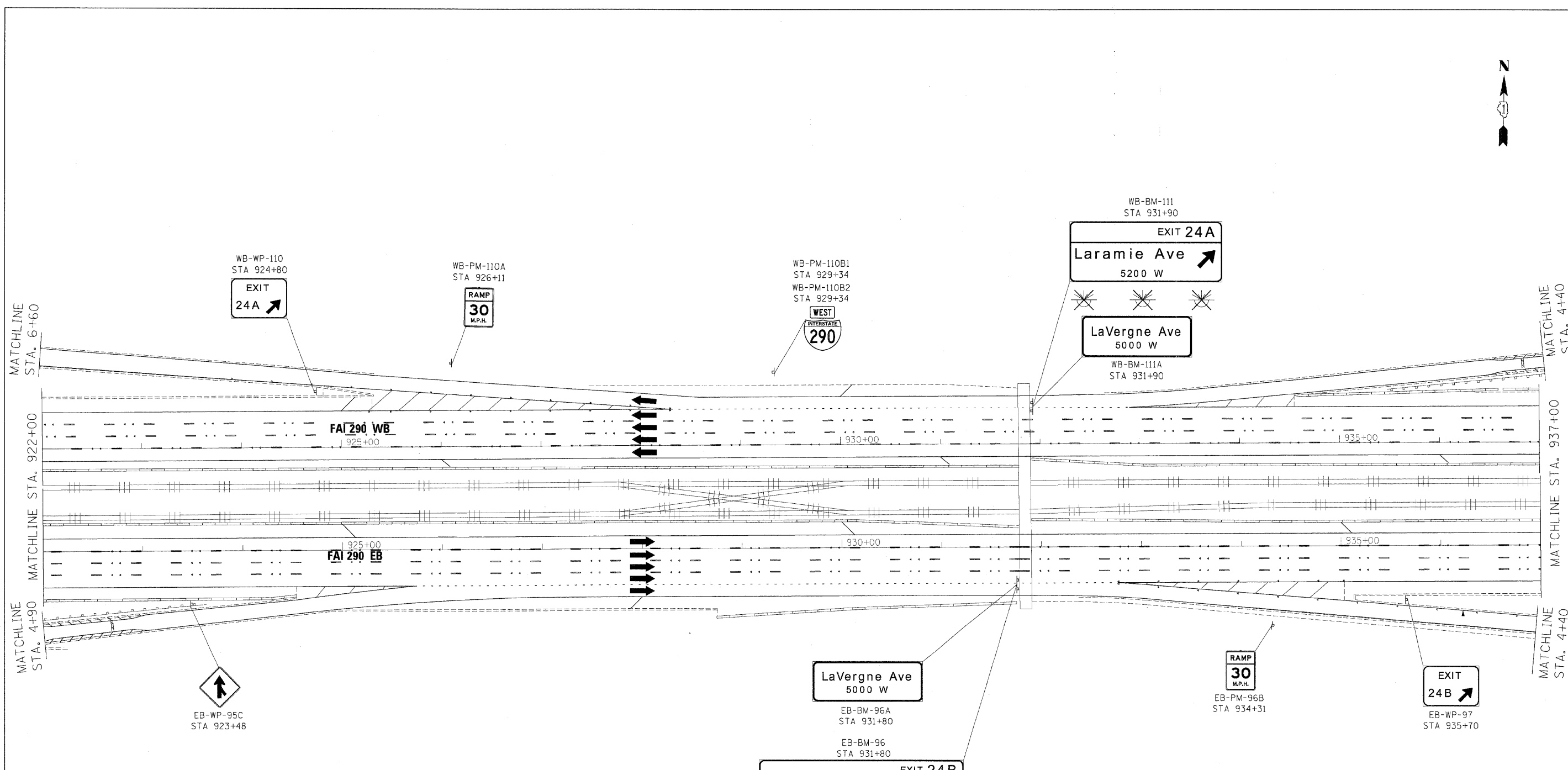
benesch

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
STA 907+00 TO STA 922+00

SCALE: 1"=50' SHEET NO. 4 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D, ETC., 3031:IRS-6	COOK	300	193
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60653		



**GUIDE SIGN SEQUENCE
NUMBERING CODE**

EXAMPLE
EB-TR-03

DIRECTION OF TRAFFIC	EB-TR-03	SIGN PANEL NUMBER
NB - NORTHBOUND FAI 355		
SB - SOUTHBOUND FAI 355		
EB - EASTBOUND FAI 290		
WB - WESTBOUND FAI 290		
LS - LAKE STREET		
AT - ARMY TRAIL RD		
83 - IL 83 (KINGERY HWY)		
64 - IL 64 (NORTH AVE)		
REMOVE AND REPLACE SIGN PANEL		MOUNTING TYPE
EXISTING LUMINAIRE TO BE REMOVED		TR - TRUSS
		CL - CANTILEVER
		BM - BRIDGE MOUNTED
		WP - WOOD POST
		BS - BREAKAWAY STEEL
		LP - LIGHT POLE
		CM - GROUND MOUNTED

FILE NAME =	DESIGNED - AJP	REVISED -
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PLCT DATE = 12/16/2009	DATE - 10/16/09	REVISED -

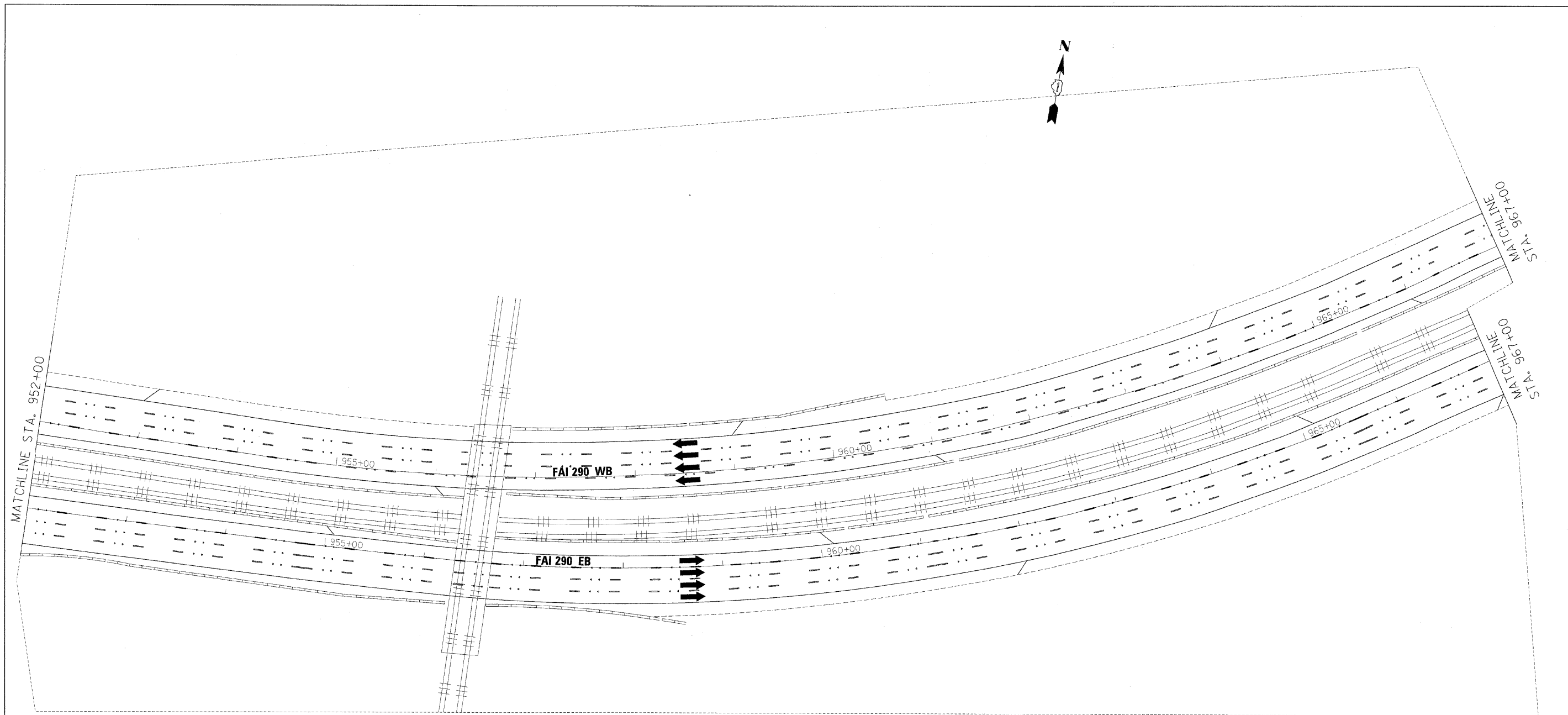
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**SIGNING PLAN
STA 922+00 TO STA 937+00**

SCALE: 1"=50' SHEET NO. 5 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,11RS-6	COOK	300	194
FED. ROAD DIST. NO.			CONTRACT NO. 60G53	
ILLINOIS FED. AID PROJECT				



**GUIDE SIGN SEQUENCE
NUMBERING CODE**

EXAMPLE		EB-TR-03
DIRECTION OF TRAFFIC		SIGN PANEL NUMBER
NB - NORTHBOUND FAI 355		
SB - SOUTHBOUND FAI 355		
EB - EASTBOUND FAI 290		
WB - WESTBOUND FAI 290		
LS - LAKE STREET		
AT - ARMY TRAIL RD		
83 - IL 83 (KINGERY HWY)		
64 - IL 64 (NORTH AVE)		
 REMOVE AND REPLACE SIGN PANEL		MOUNTING TYPE
 EXISTING LUMINAIRE TO BE REMOVED		TR - TRUSS
		CL - CANTILEVER
		BM - BRIDGE MOUNTED
		WP - WOOD POST
		BS - BREAKAWAY STEEL
		LP - LIGHT POLE
		GM - GROUND MOUNTED

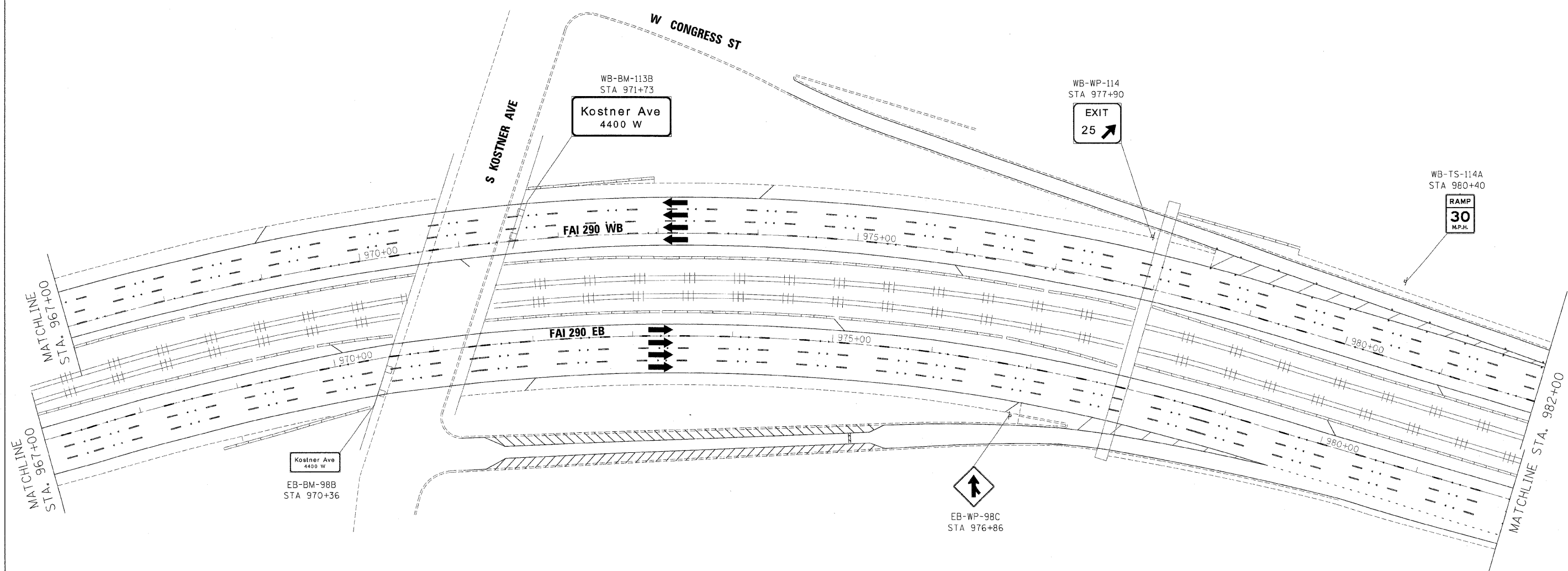
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PLOT DATE = 12/16/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN
STA 952+00 TO STA 967+00
SCALE: 1"=50' SHEET NO. 7 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D., ETC., 3031, IIR5-6	COOK	300	196
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G53	



EXAMPLE

DIRECTION OF TRAFFIC: EB-TR-03

SIGN PANEL NUMBER: [Symbol]

MOUNTING TYPE: TR

NB - NORTHBOUND FAI 355
 SB - SOUTHBOUND FAI 355
 EB - EASTBOUND FAI 290
 WB - WESTBOUND FAI 290
 LS - LAKE STREET
 AT - ARMY TRAIL RD
 83 - I 83 (KINGERY HWY)
 64 - IL 64 (NORTH AVE)

[Symbol] REMOVE AND REPLACE SIGN PANEL
 [Symbol] EXISTING LUMINAIRE TO BE REMOVED

TR - TRUSS
 CL - CANTILEVER
 BM - BRIDGE MOUNTED
 WP - WOOD POST
 BS - BREAKAWAY STEEL
 LP - LIGHT POLE
 GM - GROUND MOUNTED

FILE NAME =	DESIGNED - AJP	REVISED -
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PLOT DATE = 12/16/2009	DATE - 10/16/09	REVISED -

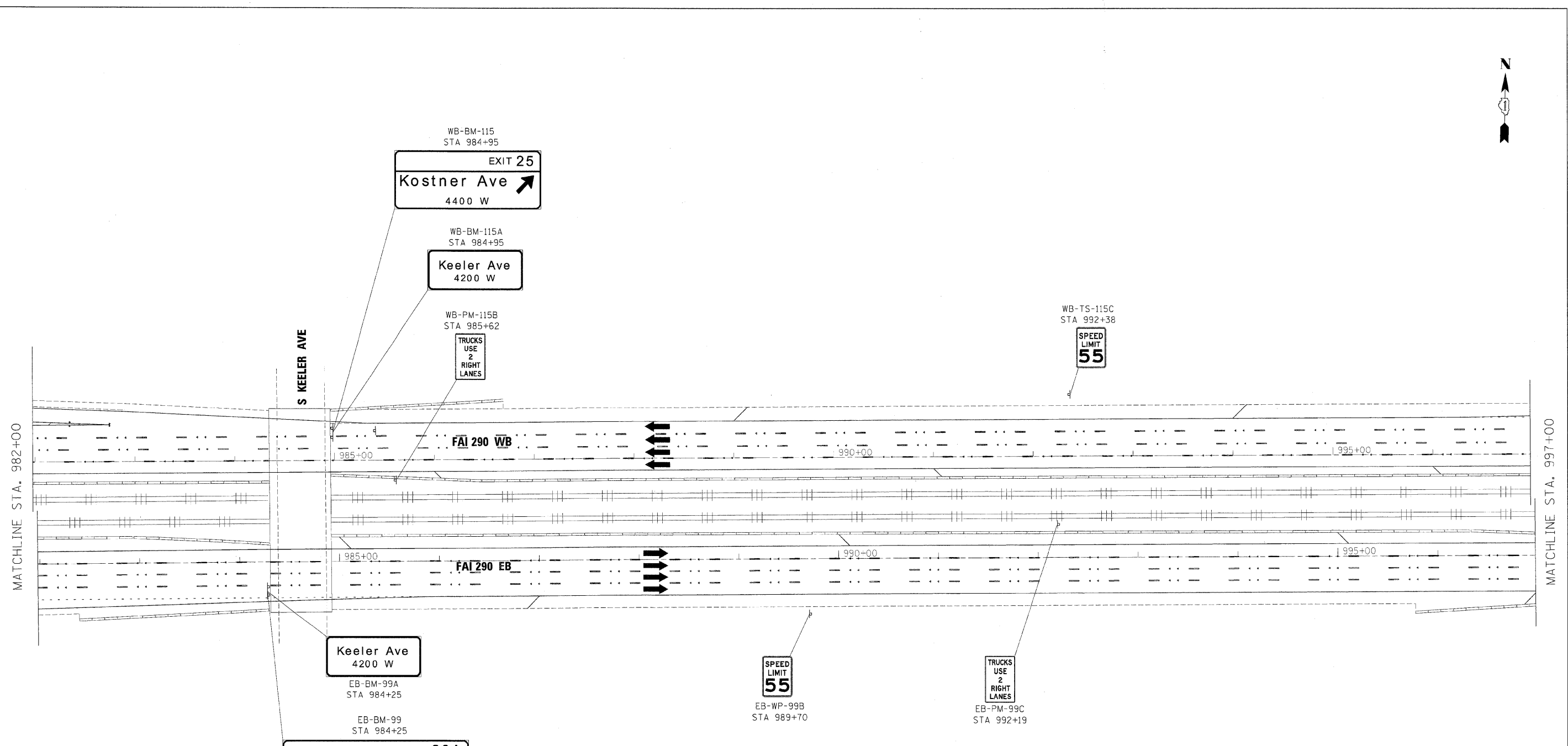
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
STA 967+00 TO STA 982+00**

SCALE: 1"=50' SHEET NO. 8 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031, I)RS-6	COOK	300	197
CONTRACT NO. 60053				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**GUIDE SIGN SEQUENCE
NUMBERING CODE**

EXAMPLE

EB-TR-03

DIRECTION OF TRAFFIC: EB - EASTBOUND FAI 290

SIGN PANEL NUMBER: TR-03

MOUNTING TYPE: TR - TRUSS

NB - NORTHBOUND FAI 355
 SB - SOUTHBOUND FAI 355
 EB - EASTBOUND FAI 290
 WB - WESTBOUND FAI 290
 LS - LAKE STREET
 AT - ARMY TRAIL RD
 83 - IL 83 (KINGERY HWY)
 64 - IL 64 (NORTH AVE)

[Symbol] REMOVE AND REPLACE SIGN PANEL
 [Symbol] EXISTING LUMINAIRE TO BE REMOVED

TR - TRUSS
 CL - CANTILEVER
 BM - BRIDGE MOUNTED
 WP - WOOD POST
 BS - BREAKAWAY STEEL
 LP - LIGHT POLE
 GM - GROUND MOUNTED

FILE NAME -	DESIGNED - AJP	REVISED -
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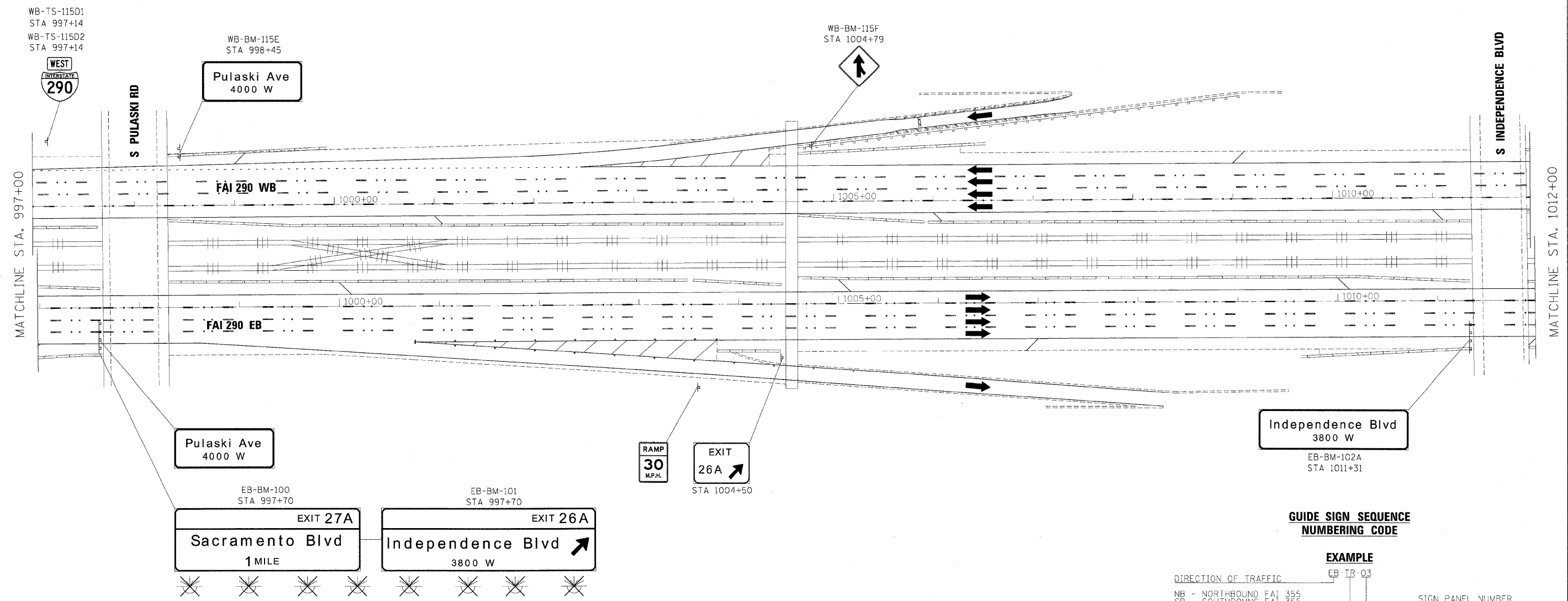
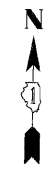
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
STA 982+00 TO STA 997+00**

SCALE: 1"=50' SHEET NO. 9 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D, ETC., 3031.1)RS-6	COOK	300	198
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60653	



**GUIDE SIGN SEQUENCE
NUMBERING CODE**

- EXAMPLE**
EB TR-03
- DIRECTION OF TRAFFIC
- NB - NORTHBOUND FAI 355
 - SB - SOUTHBOUND FAI 355
 - EB - EASTBOUND FAI 290
 - WB - WESTBOUND FAI 290
 - LS - LAKE STREET
 - AT - ARMY TRAIL RD
 - 83 - IL 83 (KINGERY HWY)
 - 64 - IL 64 (NORTH AVE)
- REMOVE AND REPLACE SIGN PANEL
- EXISTING LUMINAIRE TO BE REMOVED
- SIGN PANEL NUMBER
- MOUNTING TYPE
- TR - TRUSS
 - CL - CANTILEVER
 - BM - BRIDGE MOUNTED
 - WP - WOOD POST
 - BS - BREAKAWAY STEEL
 - LP - LIGHT POLE
 - GM - GROUND MOUNTED

FILE NAME =	DESIGNED - AJP	REVISED -
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USER NAME = jmmjwsk1	CHECKED - JMM	REVISED -
PLOT DATE = 12/16/2009	DATE - 10/16/09	REVISED -

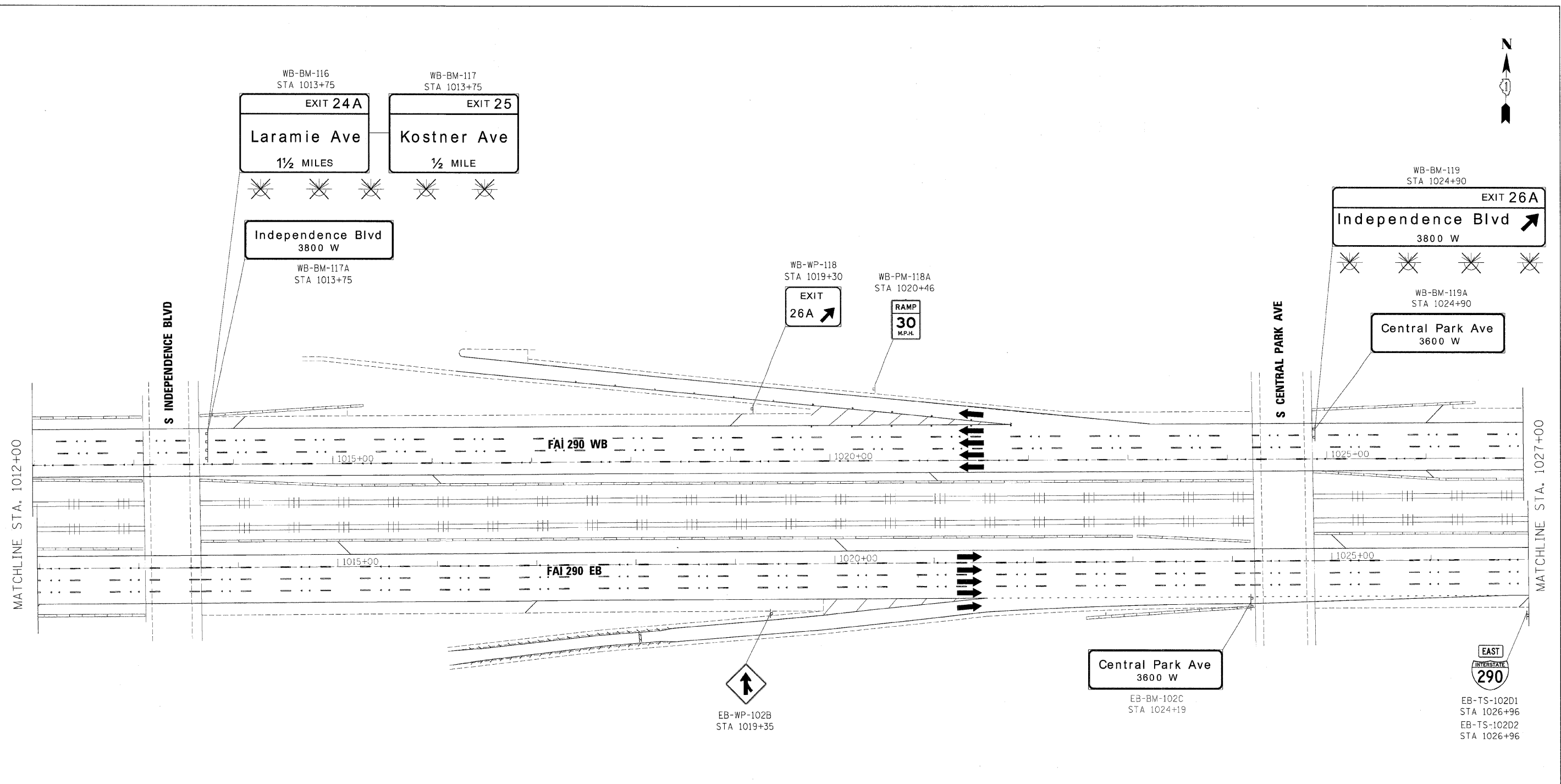
benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
STA 997+00 TO STA 1012+00**

SCALE: 1"=50' SHEET NO. 10 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B,D, ETC., 3031,1)RS-6	COOK	300	199
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60G53		



**GUIDE SIGN SEQUENCE
NUMBERING CODE**

EXAMPLE

EB-1B-03

DIRECTION OF TRAFFIC	SIGN PANEL NUMBER
NB - NORTHBOUND FAI 355	
SB - SOUTHBOUND FAI 355	
EB - EASTBOUND FAI 290	
WB - WESTBOUND FAI 290	
LS - LAKE STREET	
AT - ARMY TRAIL RD	
83 - IL 83 (KINGERY HWY)	
64 - IL 64 (NORTH AVE)	
MOUNTING TYPE	
TR - TRUSS	
CL - CANTILEVER	
BM - BRIDGE MOUNTED	
WP - WOOD POST	
BS - BREAKAWAY STEEL	
LP - LIGHT POLE	
GM - GROUND MOUNTED	

[] REMOVE AND REPLACE SIGN PANEL
 [X] EXISTING LUMINAIRE TO BE REMOVED

FILE NAME =	DESIGNED - AJP	REVISED -
...p\p\in_ABC_68J22_290.pvt\trkkg_11.cgn	DRAWN - TMB	REVISED -
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PLOT DATE = 12/16/2009	DATE - 10/16/09	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
STA 1012+00 TO STA 1027+00**

SCALE: 1"=50' SHEET NO. 11 OF 24 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2828B.D., ETC., 3031.1)RS-6	COOK	300	200
CONTRACT NO. 60G53				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				