

**EXIT 28 B**  
 Paulina St - Ashland Ave  
 3/4 MILE

**EXIT 28 A**  
 Damen Ave  
 1/4 MILE

**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)

SIGN PANEL NUMBER

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  
 EXISTING LUMINAIRE TO BE REMOVED

FILE NAME =	DESIGNED - AJP	REVISED -
...\\pln-abc-02\22-290_pvr-brkg-17.dgn	DRAWN - TMB	REVISED -
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

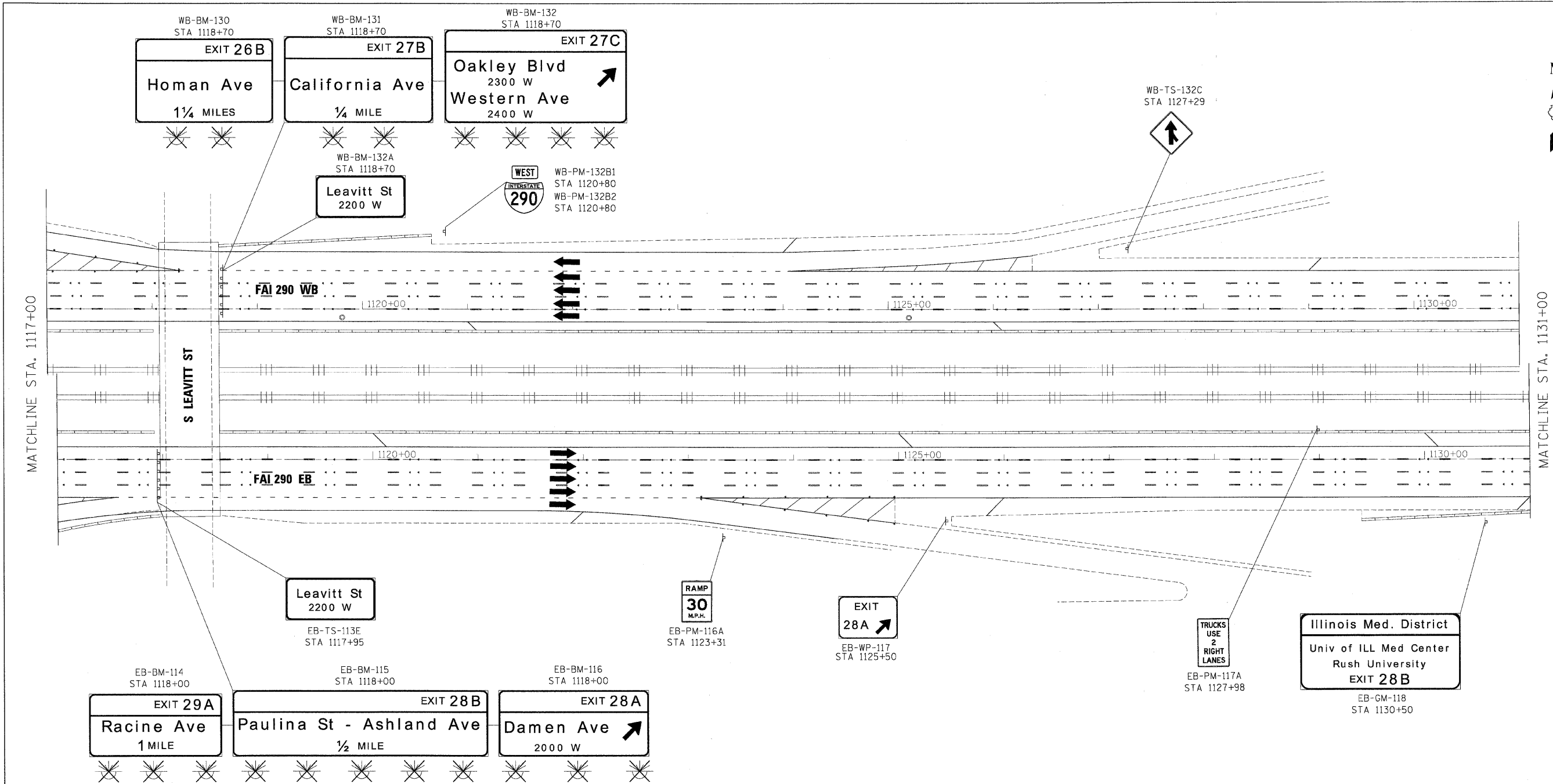
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN**  
**STA 1102+00 TO STA 1117+00**

SCALE: 1"=50' SHEET NO. 3 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-8)	COOK	201	101
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

**EXAMPLE**

DIRECTION OF TRAFFIC	EB-IR-03	SIGN PANEL NUMBER
NB - NORTHBOUND FAI 355		
SB - SOUTHBOUND FAI 355		
EB - EASTBOUND FAI 290		
WB - WESTBOUND FAI 290		
LS - LAKE STREET		
A1 - ARMY TRAIL RD		
83 - IL 83 (KINGERY HWY)		
64 - IL 64 (NORTH AVE)		
REMOVE AND REPLACE SIGN PANEL		
EXISTING LUMINAIRE TO BE REMOVED		
MOUNTING TYPE		
TR - TRUSS		
CL - CANTILEVER		
BM - BRIDGE MOUNTED		
WP - WOOD POST		
BS - BREAKAWAY STEEL		
LP - LIGHT POLE		
GM - GROUND MOUNTED		

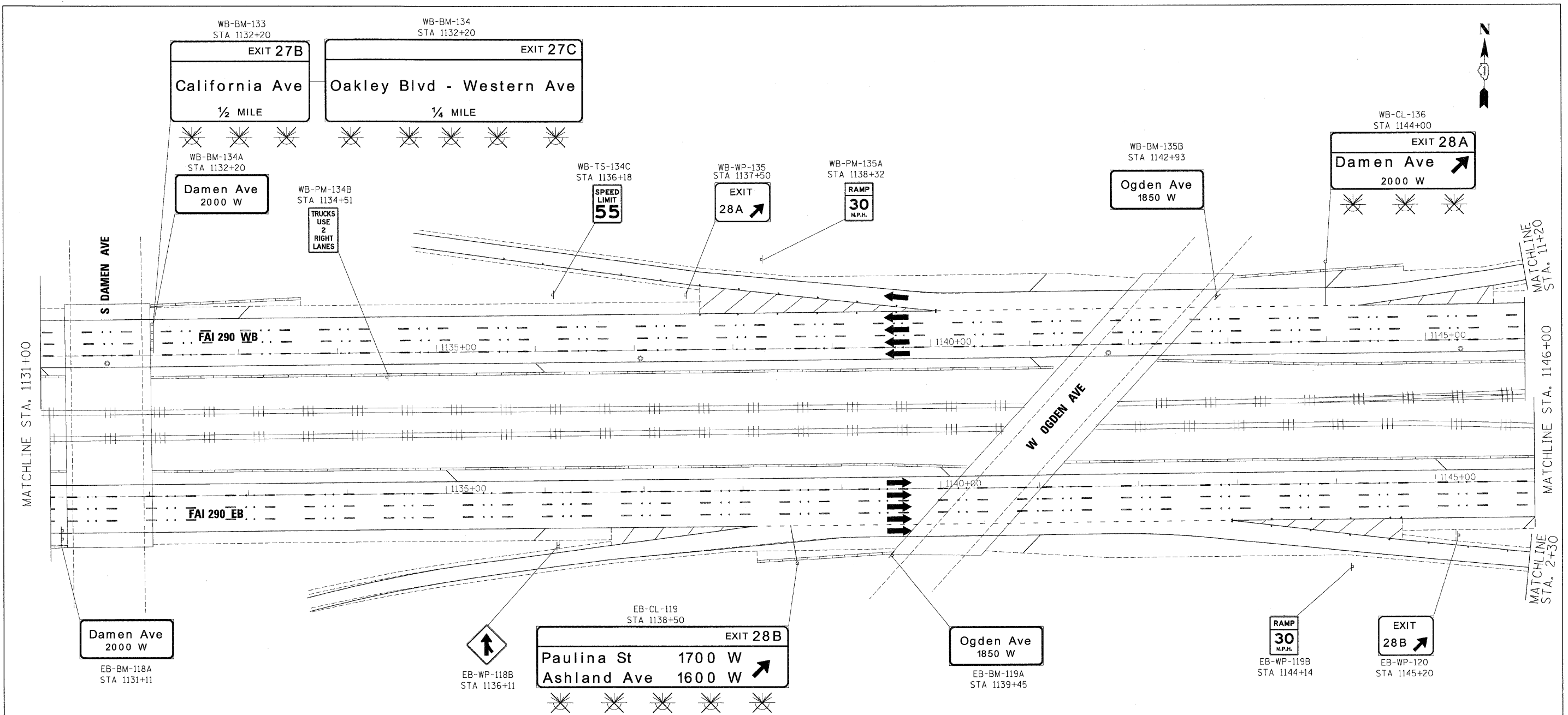
FILE NAME =	DESIGNED - AJP	REVISED -
...:\p\p\in_ABC_62J22_290.pvt\trk\g.10.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN	
STA 1117+00 TO STA 1131+00	
SCALE: 1"=50'	SHEET NO. 4 OF 10 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 272)RS-B	COOK	201	102
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	



**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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PLCT DATE = 1/25/2012	CHECKED - JMM	REVISED -
	DATE - 1/25/10	REVISED -

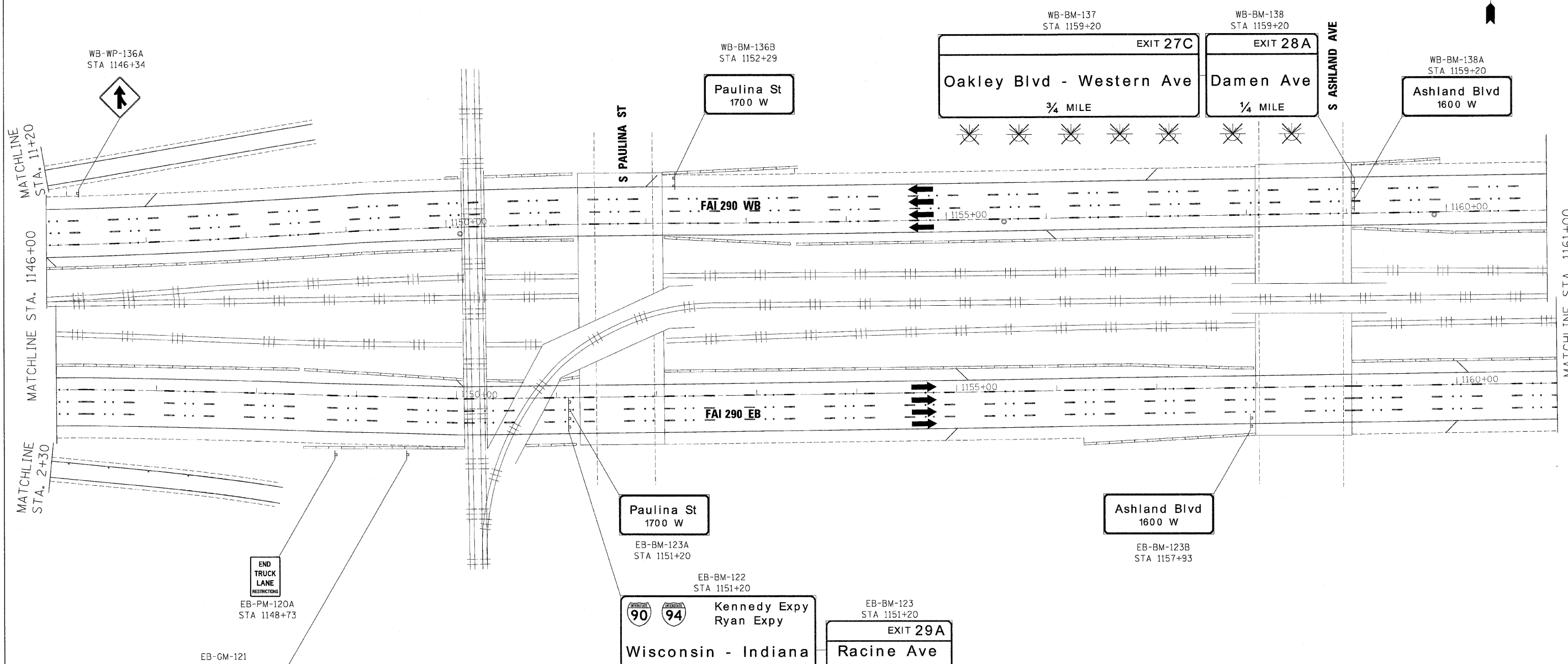
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
STA 1131+00 TO STA 1146+00**

SCALE: 1"=50' SHEET NO. 5 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	103
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



**GUIDE SIGN SEQUENCE NUMBERING CODE**

**EXAMPLE**  
EB-TR-03

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

FILE NAME =	DESIGNED - AJP	REVISED -
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

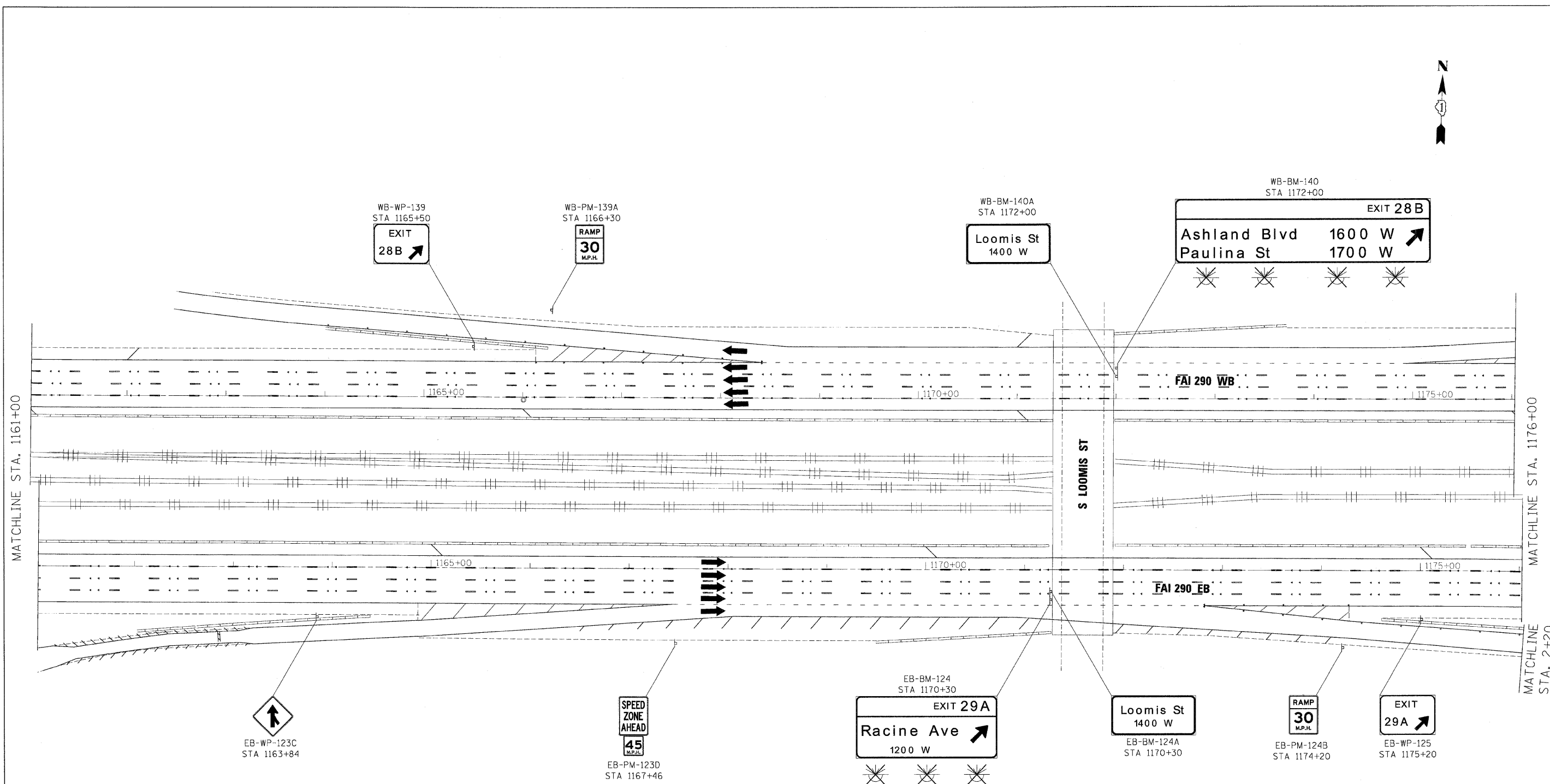
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
STA 1146+00 TO STA 1161+00**

SCALE: 1"=50' SHEET NO. 6 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	104
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



**GUIDE SIGN SEQUENCE NUMBERING CODE**

**EXAMPLE**

EB-IR-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

FILE NAME =	DESIGNED - AJP	REVISED -
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USER NAME = jmojewski	CHECKED - JMM	REVISED -
PLCT DATE = 1/25/2012	DATE - 1/25/10	REVISED -

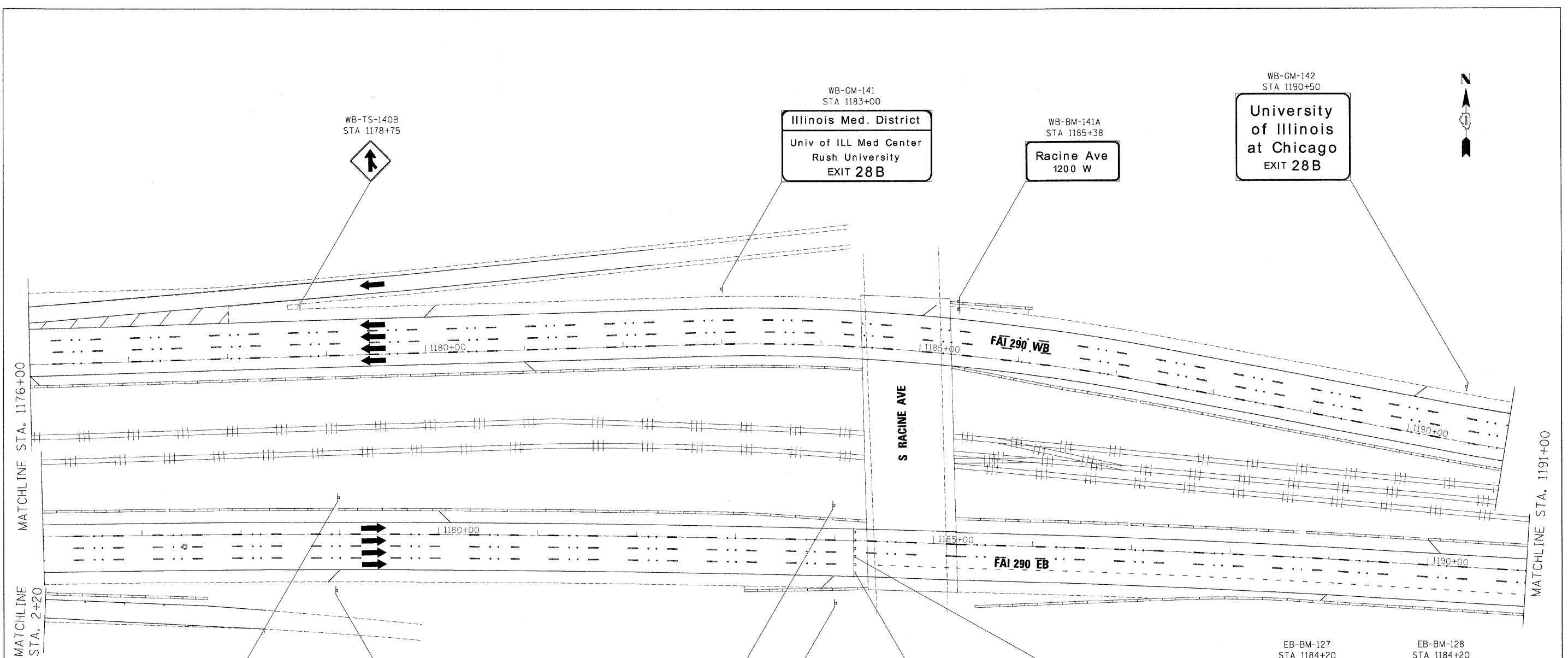
**benesch**

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

**SIGNING PLAN**  
**STA 1161+00 TO STA 1176+00**

SCALE: 1"=50' SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	105
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



SPEED ZONE AHEAD  
 45  
 EB-PM-125A1  
 STA 1178+98  
 EB-PM-125A2  
 STA 1178+98

SPEED ZONE AHEAD  
 45  
 EB-TS-125B1  
 STA 1178+98  
 EB-TS-125B2  
 STA 1178+98

SPEED LIMIT  
 45  
 EB-PM-125D  
 STA 1184+00

SPEED LIMIT  
 45  
 EB-WP-125C  
 STA 1184+00

Racine Ave  
 1200 W  
 EB-BM-128A  
 STA 1184+20

EB-BM-126  
 STA 1184+20  
 Congress Pkwy  
 Chicago Loop

EB-BM-127  
 STA 1184+20  
 WEST  
 Kennedy  
 Expy  
 Wisconsin

EB-BM-128  
 STA 1184+20  
 EAST  
 Ryan  
 Expy  
 Indiana

**GUIDE SIGN SEQUENCE NUMBERING CODE**

**EXAMPLE**

DIRECTION OF TRAFFIC: EB-IR-03  
 SIGN PANEL NUMBER: [ ]  
 MOUNTING TYPE: [ ]

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  
 [X] 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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USER NAME = jrajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

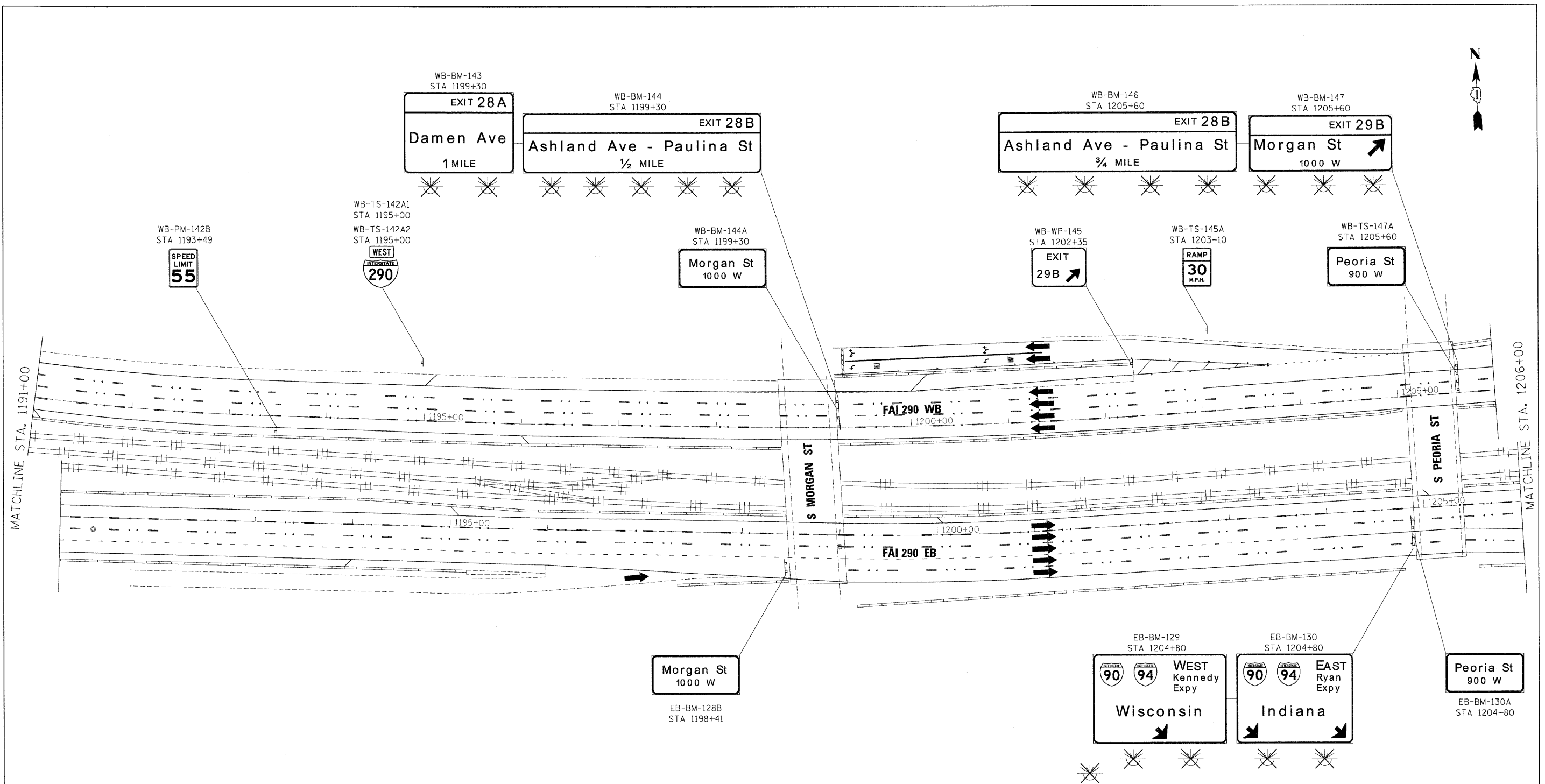
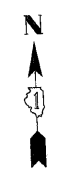
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
STA 1176+00 TO STA 1191+00**

SCALE: 1"=50' SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	106
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

**EXAMPLE**

DIRECTION OF TRAFFIC		EB-IR-03	SIGN PANEL NUMBER
NB - NORTHBOUND FAI 355	SB - SOUTHBOUND FAI 355	EB - EASTBOUND FAI 290	WB - WESTBOUND FAI 290
IS - 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	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 = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN**  
**STA 1191+00 TO STA 1206+00**

SCALE: 1"=50' SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	107
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

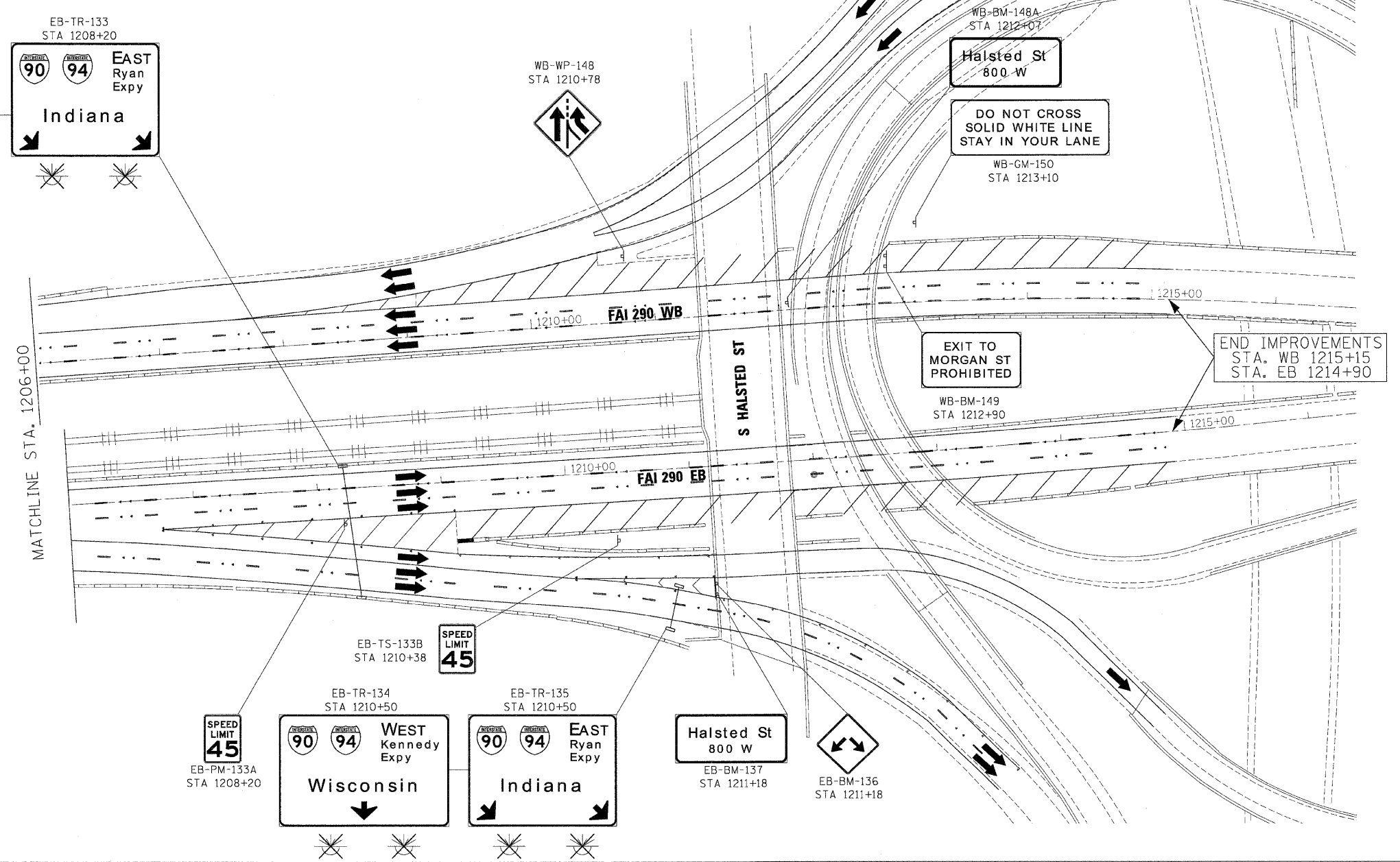
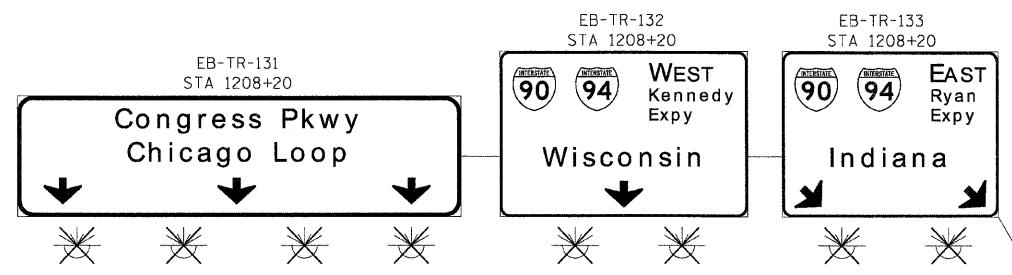
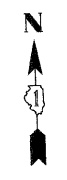
**EXAMPLE**  
EB-TR-03

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)

SIGN PANEL NUMBER

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  
 EXISTING LUMINAIRE TO BE REMOVED



FILE NAME =	DESIGNED - AJP	REVISED -
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USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
STA 1206+00 TO POE**

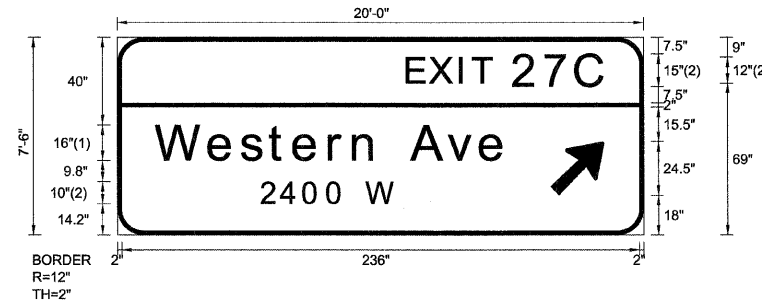
SCALE: 1"=50' SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	108
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



SIGN DETAIL  
1:75

EB-CL-109  
STA. 1083+10



FONT:  
(1) ClearviewHwy-5-W-R  
(2) ClearviewHwy-5-W

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HIGHT.	20'-0" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	197.5	18	20	31.5

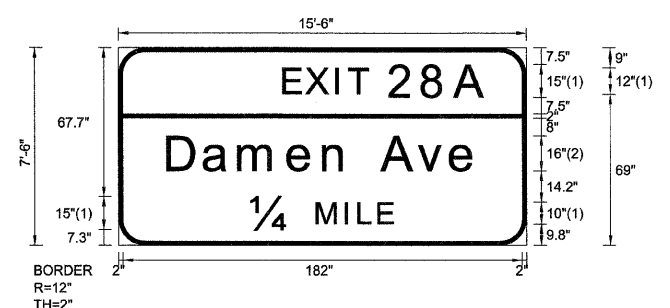
LETTER POSITIONS (X)

												LENGTH	SERIESSIZE	
E	X	I	T	2	7	C							ClearviewHwy-5-W	
132.7	143	156.7	162.6	181.2	195.4	209.8							89.3	12,15
W	e	s	t	e	r	n	A	v	e					ClearviewHwy-5-W-R
18	42.2	56.9	69.7	80.9	97.1	108.1	119.1	134.6	151.2	165.9			159.6	1613
2	4	0	0		W									ClearviewHwy-5-W-R
65.8	74.9	85.1	96	104.1	113.7								61.1	10



SIGN DETAIL  
1:75

EB-BM-113  
STA. 1104+40



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

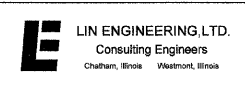
SIGN NUMBER	name
WIDTH x HGHT.	15'-6" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

										LENGTH	SERIESSIZE
E	X	I	T	2	8	A					ClearviewHwy-5-W
75.7	86	99.6	105.6	124.2	139.3	154				92.3	12,15
D	a	m	e	n	A	v	e				ClearviewHwy-5-W-R
22.6	39.1	55.1	77.6	93.8	104.9	120.4	136.9	151.6		140.7	16/13
1/4	M	I	L	E							ClearviewHwy-5-W
60.8	90.8	103.9	109.8	118.9						64.5	15,10

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = \$USER*	CHECKED - SEW	REVISED -
PLOT DATE = \$DATE*	DATE - 1/25/10	REVISED -



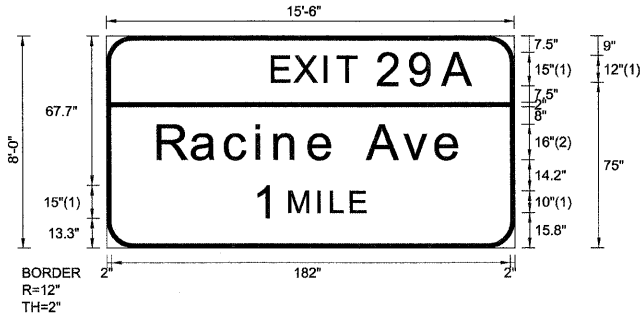
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS			
SCALE: N.T.S.	SHEET NO. 3 OF 46 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	111
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

SIGN DETAIL  
1:75

EB-BM-114  
STA. 1118+00



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	15'-6" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)													LENGTH	SERIESIZE	
E	X	I	T	2	9	A									ClearviewHwy-5-W
75.9	86.2	99.9	105.8	124.4	139.3	154									92.1 12,15
R	a	c	i	n	e	A	v	e							ClearviewHwy-5-W-R
23.8	39.2	54.5	68.7	77.1	92.7	104.4	119.2	135.8	150.5						138.5 16/13
1	M	I	L	E											ClearviewHwy-5-W
67.9	83.7	96.8	102.7	111.8											50.2 15,10

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = *USER*	CHECKED - SEW	REVISED -
PLOT DATE = *DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

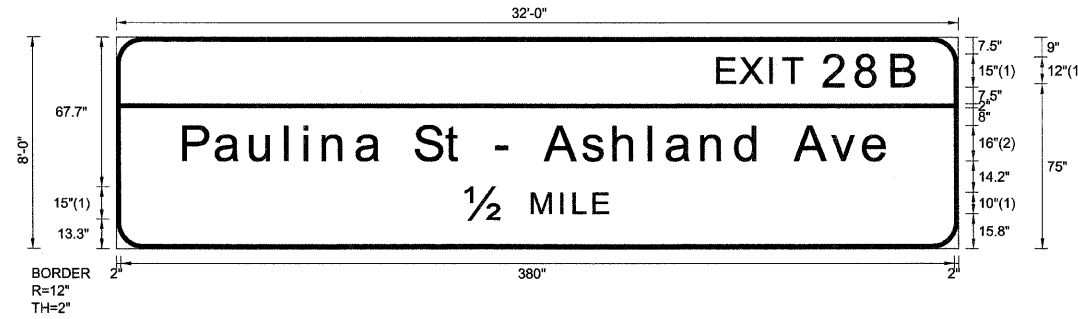
SIGNING DETAILS

SCALE: N.T.S. SHEET NO. 4 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	112
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60K11		

SIGN DETAIL  
1:75

EB-BM-115  
STA. 1118+00



SIGN NUMBER	name	
WIDTH x HGHT.	32'-0" x 8'-0"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Overhead	
BACKGROUND	TYPE: Reflective	
	COLOR: Green	
LEGEND/BORDER	TYPE: Reflective	
	COLOR: White/White	

SYMBOL	ROT	X	Y	WID	HT

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIESIZE

Letter	X	Y	Length	Series Size
E	274.8	15.0	91.3	ClearviewHwy-5-W 12,15
X	285	15.0	91.3	ClearviewHwy-5-W 12,15
I	298.7	15.0	91.3	ClearviewHwy-5-W 12,15
T	304.6	15.0	91.3	ClearviewHwy-5-W 12,15
2	323.2	15.0	91.3	ClearviewHwy-5-W 12,15
8	338.3	15.0	91.3	ClearviewHwy-5-W 12,15
B	354.6	15.0	91.3	ClearviewHwy-5-W 12,15
P	31.1	15.0	321.8	ClearviewHwy-5-W-R 1613
a	45.7	15.0	321.8	ClearviewHwy-5-W-R 1613
u	61.6	15.0	321.8	ClearviewHwy-5-W-R 1613
l	77.6	15.0	321.8	ClearviewHwy-5-W-R 1613
i	86.2	15.0	321.8	ClearviewHwy-5-W-R 1613
n	94.7	15.0	321.8	ClearviewHwy-5-W-R 1613
a	109.9	15.0	321.8	ClearviewHwy-5-W-R 1613
-	121.7	15.0	321.8	ClearviewHwy-5-W-R 1613
S	136.7	15.0	321.8	ClearviewHwy-5-W-R 1613
t	150.7	15.0	321.8	ClearviewHwy-5-W-R 1613
-	158.6	15.0	321.8	ClearviewHwy-5-W-R 1613
A	174.4	15.0	321.8	ClearviewHwy-5-W-R 1613
s	180.6	15.0	321.8	ClearviewHwy-5-W-R 1613
h	195.9	15.0	321.8	ClearviewHwy-5-W-R 1613
l	213	15.0	321.8	ClearviewHwy-5-W-R 1613
a	227.3	15.0	321.8	ClearviewHwy-5-W-R 1613
n	243.5	15.0	321.8	ClearviewHwy-5-W-R 1613
d	251.4	15.0	321.8	ClearviewHwy-5-W-R 1613
A	267.4	15.0	321.8	ClearviewHwy-5-W-R 1613
v	282.9	15.0	321.8	ClearviewHwy-5-W-R 1613
e	294.4	15.0	321.8	ClearviewHwy-5-W-R 1613
1/2	159.6	15.0	64.8	ClearviewHwy-5-W 15,10
M	189.9	15.0	64.8	ClearviewHwy-5-W 15,10
I	203.1	15.0	64.8	ClearviewHwy-5-W 15,10
L	209	15.0	64.8	ClearviewHwy-5-W 15,10
E	218	15.0	64.8	ClearviewHwy-5-W 15,10

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

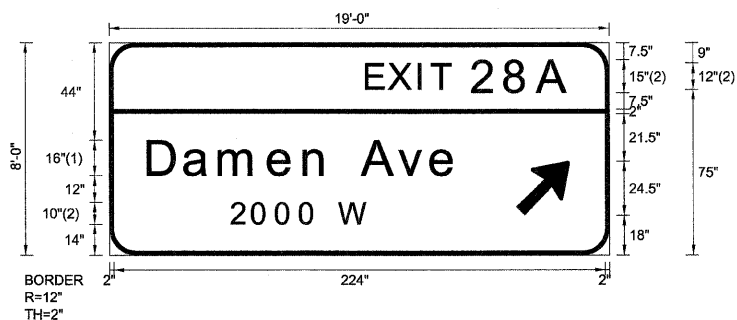
SIGNING DETAILS  
SCALE: N.T.S. SHEET NO. 5 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	113
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60K11

SIGN DETAIL  
1:75

EB-BM-116  
STA. 1118+00

SIGN NUMBER	name
WIDTH x HGHT.	19'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White



FONT:  
(1) ClearviewHwy-5-W-R  
(2) ClearviewHwy-5-W

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	185.5	18	20	31.5

LETTER POSITIONS (X)															LENGTH	SERIESSIZE			
E	X	I	T	2	8	A													ClearviewHwy-5-W
117.7	128	141.6	147.6	166.2	181.3	196													92.3 12,15
D	a	m	e	n		A	v	e											ClearviewHwy-5-W-R
18	34.5	50.5	73	89.2	100.3	115.7	132.3	147											140.7 1613
2	0	0	0		W														ClearviewHwy-5-W-R
55.8	65.4	76.3	87.2	95.3	104.8														62.3 10

FILE NAME =	DESIGNED - SEW	REVISED -
*FILE#*	DRAWN - SEW	REVISED -
USER NAME = \$USER*	CHECKED - SEW	REVISED -
PLOT DATE = \$DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS			
SCALE: N.T.S.	SHEET NO. 6 OF 46 SHEETS	STA. _____	TO STA. _____

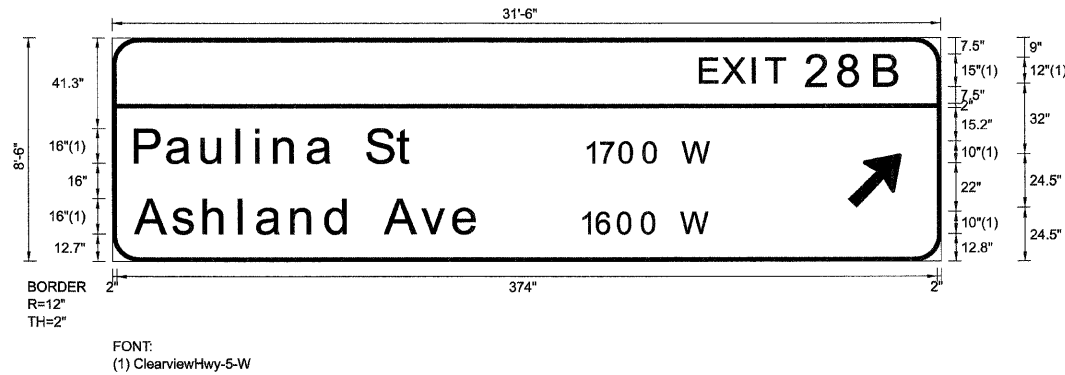
F.A.I. RTE. 290	SECTION (2525, ETC., 2727) RS-8	COUNTY COOK	TOTAL SHEETS 201	SHEET NO. 114
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60K11				



SIGN DETAIL  
1:75

EB-CL-119  
STA. 1138+50

SIGN NUMBER	name
WIDTH x HGHT.	31'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	335.5	24.5	20	31.5

		LETTER POSITIONS (X)																LENGTH	SERIESIZE			
E	X	l	T	2	8	B															ClearviewHwy-5-W	
268.8	279	292.7	298.6	317.2	332.3	348.6															91.3	12,15
P	a	u	l	i	n	a	S	t														ClearviewHwy-5-W-R
10.8	25.4	41.4	57.3	65.9	74.4	89.6	101.4	116.4	130.5												127.5	1613
1	7	0	0		W																	ClearviewHwy-5-W-R
215.7	222.6	231.7	242.6	250.8	260.3																57.8	10
A	s	h	l	a	n	d	A	v	e													ClearviewHwy-5-W-R
10.8	27.9	42.2	58.4	66.3	82.3	97.8	109.3	124.8	141.4	156.1											157	1613
1	6	0	0		W																	ClearviewHwy-5-W-R
213.7	221.2	231	241.9	250	259.5																59.1	10



SIGN DETAIL  
1:75

EB-GM-121  
STA. 1149+50

SIGN NUMBER	name
WIDTH x HGHT.	13'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

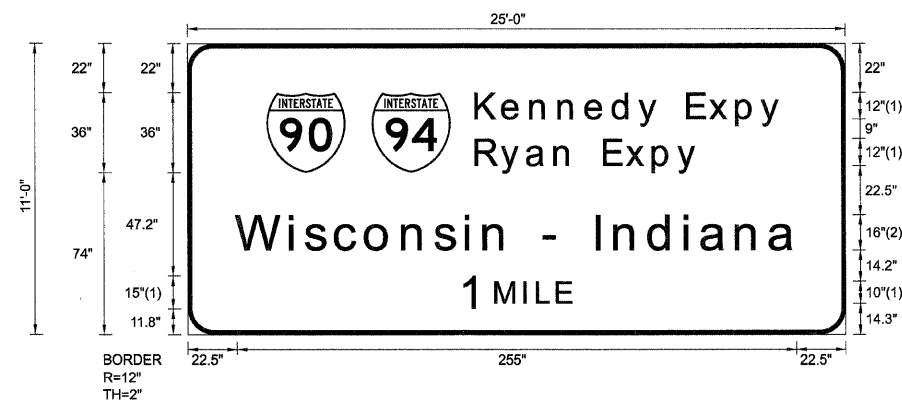
Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)											LENGTH	SERIESSIZE	
U	n	i	v	e	r	s	i	t	y				ClearviewHwy-5-W-R
15.4	33	48.9	55.5	70.2	86.4	95.9	110	116.8	126.8			123.8	1613
o	f		l	l	l	i	n	o	i	s			ClearviewHwy-5-W-R
16.8	32.3	39.9	55.7	64.1	73	81.5	90	105.5	122	129		122.5	1613
a	t		C	h	i	c	a	g	o				ClearviewHwy-5-W-R
10.3	24.7	32.5	48	64.8	80.6	88.5	102	117.3	133.4			135.4	1613
E	X	I	T	2	9	A							ClearviewHwy-5-W
35.6	45.9	59.5	65.4	84.1	99	113.6						92.1	12,15

SIGN DETAIL  
1:75

EB-BM-122  
STA. 1151+20



SIGN NUMBER	name
WIDTH x HGHT.	25'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	36	74	36	36
M1_1	0	84	74	36	36

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

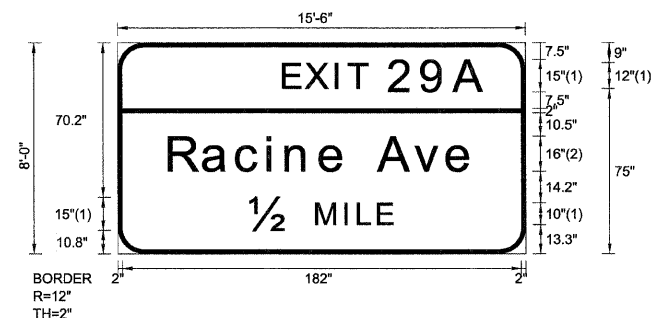
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIESIZE		
K	e	n	n	e	d	y		E	x	p	y										139.5	ClearviewHwy-5-W 129.8	
132	144.2	157.1	169.9	182.3	194.7	206.4	215.8	228.6	238.6	250.9	262.1										101.4	ClearviewHwy-5-W 129.8	
R	y	a	n		E	x	p	y													255.1	ClearviewHwy-5-W-R 1613	
132	143.6	155.3	168	176.3	190.5	200.6	212.8	224.1													50.2	ClearviewHwy-5-W 15,10	
W	i	s	c	o	n	s	i	n	-			l	n	d	i	a	n	a					
22.5	46.9	54	67.7	81.5	98.3	113	127.1	135.5	146.6	163.5	169.7	186.8	195.2	210.7	227	234.6	250.5	265.7					
1	M	I	L	E																			
124.9	140.7	153.8	159.7	168.8																			

SIGN DETAIL  
1:75

EB-BM-123  
STA. 1151+20

SIGN NUMBER	name
WIDTH x HGHT.	15'-6" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGENDBORDER	TYPE: Reflective
	COLOR: White/White



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

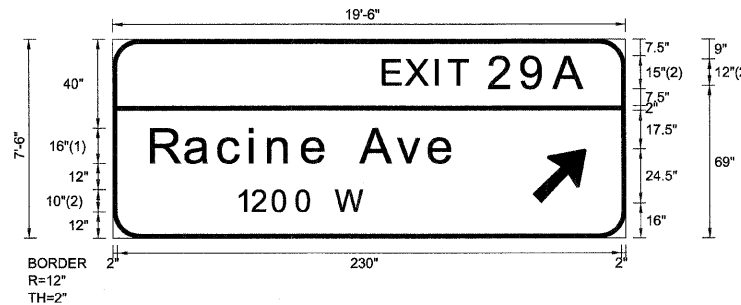
SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

											LENGTH	SERIESSIZE
E	X	I	T	2	9	A						ClearviewHwy-5-W
75.9	86.2	99.9	105.8	124.4	139.3	154					92.1	12,15
R	a	c	i	n	e	A	v	e				ClearviewHwy-5-W-R
23.8	39.2	54.5	68.7	77.1	92.7	104.4	119.2	135.8	150.5		138.5	1613
1/2	M	I	L	E								ClearviewHwy-5-W
60.6	90.9	104.1	110	119							64.8	15,10

SIGN DETAIL  
1:75

EB-BM-124  
STA. 1170+30



FONT:  
(1) ClearviewHwy-5-W-R  
(2) ClearviewHwy-5-W

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	19'-6" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	191.5	16	20	31.5

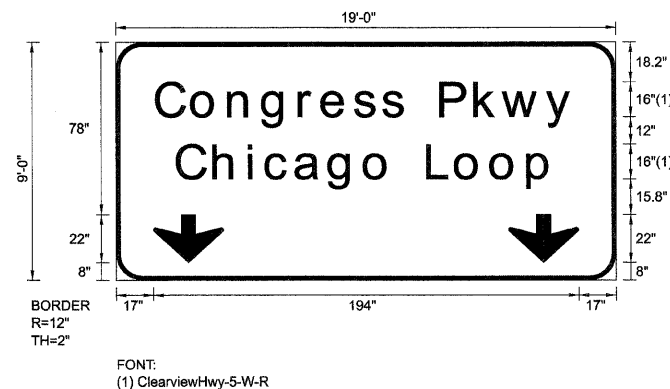
LETTER POSITIONS (X)

											LENGTH	SERIESSIZE
E	X	I	T	2	9	A						ClearviewHwy-5-W
123.9	134.2	147.9	153.8	172.4	187.3	202					92.1	12,15
R	a	c	i	n	e	A	v	e				ClearviewHwy-5-W-R
18	33.4	48.7	62.9	71.4	86.9	98.7	113.5	130	144.8		138.5	1613
1	2	0	0		W							ClearviewHwy-5-W-R
56.6	63.7	73.2	84.1	92.3	101.8						58.4	10

**SIGN DETAIL**  
1:75

EB-BM-126  
STA. 1184+20

SIGN NUMBER	name
WIDTH x HGHT.	19'-0" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT
ARROWDOWN	0	17	8	32	22
ARROWDOWN	0	179	8	32	22

LETTER POSITIONS (X)														LENGTH	SERIESSIZE	
C	o	n	g	r	e	s	s		P	k	w	y				ClearviewHwy-5-W-R
18.8	35	51.8	67.3	84.1	94.4	109.2	122.1	132.3	148.5	164.1	176.8	196.7				190.3 1613
C	h	i	c	a	g	o		L	o	o	p					ClearviewHwy-5-W-R
28.2	45.1	60.9	68.8	82.3	97.6	113.7	126	142.6	155.3	171.4	188.2					171.5 1613

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



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

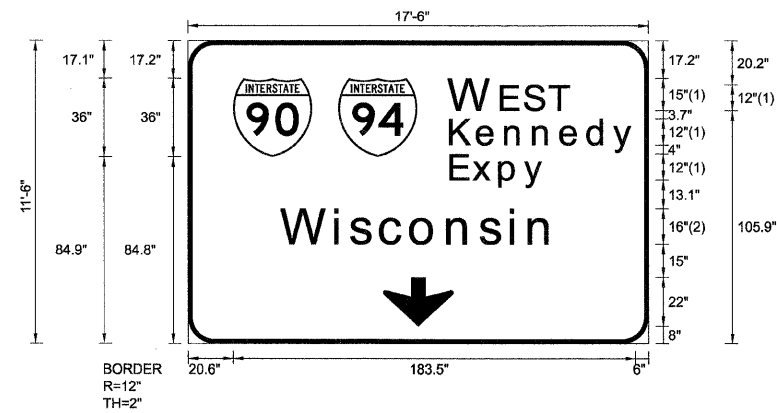
**SIGNING DETAILS**

SCALE: N.T.S. SHEET NO. 13 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)	RS-8 COOK	201	121
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

SIGN DETAIL  
1:75

EB-BM-127  
STA. 1184+20



SIGN NUMBER	name
WIDTH x HGHT.	17'-6" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	20.6	84.8	36	36
M1_1	0	68.6	84.9	36	36
ARROW	0	89	8	32	22

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE
W	E	S	T								ClearviewHwy-5-W
119.6	143.3	154	165.5							54.5	15,12
K	e	n	n	e	d	y					ClearviewHwy-5-W
120.3	132.5	145.3	158.2	170.5	182.9	194.7				83.8	129.8
E	x	p	y								ClearviewHwy-5-W
120.4	130.4	142.7	154							42.9	129.8
W	i	s	c	o	n	s	i	n			ClearviewHwy-5-W-R
42.9	67.4	74.5	88.2	102	118.8	133.5	147.5	156		124.1	1613

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

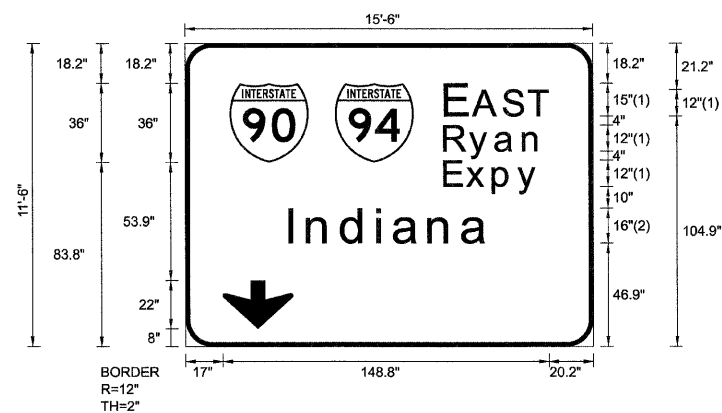
SIGNING DETAILS

SCALE: N.T.S. SHEET NO. 14 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	122
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

SIGN DETAIL  
1:75

EB-BM-128  
STA. 1184+20



SIGN NUMBER	name
WIDTH x HGHT.	15'-6" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	20.3	83.8	36	36
M1_1	0	68.3	83.8	36	36
ARDOWN	0	17	8	32	22

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE
E	A	S	T								ClearviewHwy-5-W
119.3	132	145.7	157.1							46.5	15,12
R	y	a	n								ClearviewHwy-5-W
118.7	130.2	142	154.7							44.3	129.8
E	x	p	y								ClearviewHwy-5-W
118.7	128.7	140.9	152.2							42.9	129.8
I	n	d	i	a	n	a					ClearviewHwy-5-W-R
47.6	56	71.5	87.9	95.4	111.4	126.6				90.8	1613

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = #USER*	CHECKED - SEW	REVISED -
PLOT DATE = #DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

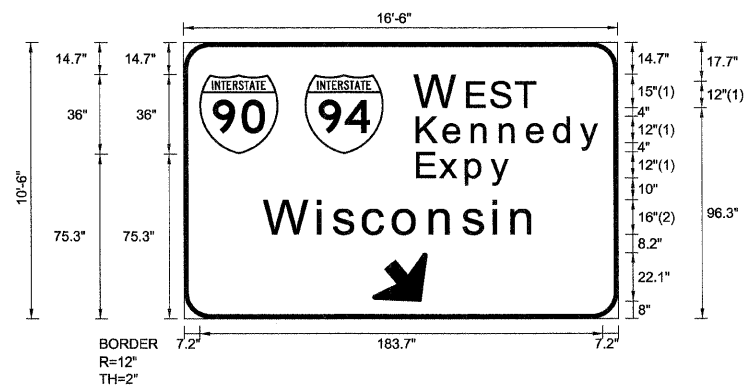
SIGNING DETAILS

SCALE: N.T.S. SHEET NO. 15 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	123
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	

SIGN DETAIL  
1:75

EB-BM-129  
STA. 1204+80



BORDER  
R=12"  
TH=2"

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	16'-6" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	7.2	75.3	36	36
M1_1	0	55.2	75.3	36	36
ARDDOWN	40	85.9	8	32	22

LETTER POSITIONS (X)

										LENGTH	SERIESIZE
W	E	S	T								ClearviewHwy-5-W
106.2	129.9	140.6	152							54.5	15,12
K	e	n	n	e	d	y					ClearviewHwy-5-W
107.1	119.2	132.1	145	157.3	169.7	181.5				83.8	129.8
E	x	p	y								ClearviewHwy-5-W
107.1	117.1	129.3	140.6							42.9	129.8
W	i	s	c	o	n	s	i	n			ClearviewHwy-5-W-R
36.9	61.4	68.5	82.2	96	112.8	127.5	141.5	150		124.1	1613

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = *USER*	CHECKED - SEW	REVISED -
PLOT DATE = *DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

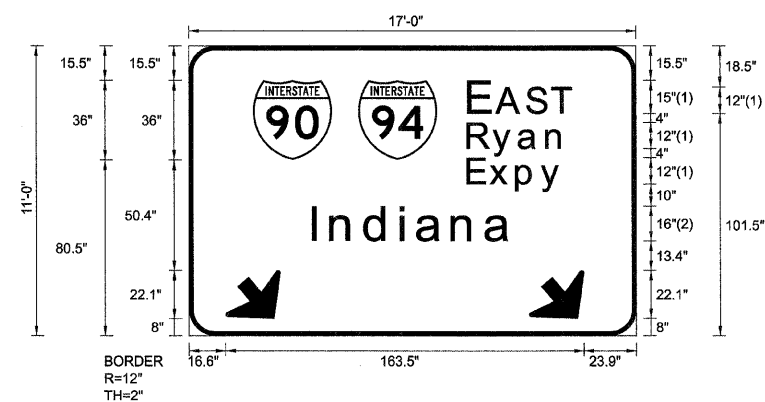
SCALE: N.T.S. SHEET NO. 16 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	124
CONTRACT NO. 60K11			ILLINOIS FED. AID PROJECT	



SIGN DETAIL  
1:75

EB-BM-130  
STA. 1204+80



BORDER  
R=12"  
TH=2"

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	17'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	29.3	80.5	36	36
M1_1	0	77.3	80.5	36	36
ARDOWN	40	16.6	8	32	22
ARDOWN	40	155.2	8	32	22

LETTER POSITIONS (X)

							LENGTH	SERIESSIZE
E	A	S	T					ClearviewHwy-5-W
128.3	141	154.7	166.1				46.5	15,12
R	y	a	n					ClearviewHwy-5-W
127.7	139.2	151	163.7				44.3	129.8
E	x	p	y					ClearviewHwy-5-W
127.7	137.7	149.9	161.2				42.9	129.8
I	n	d	i	a	n	a		ClearviewHwy-5-W-R
56.6	65	80.5	96.9	104.4	120.4	135.6	90.8	1613

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

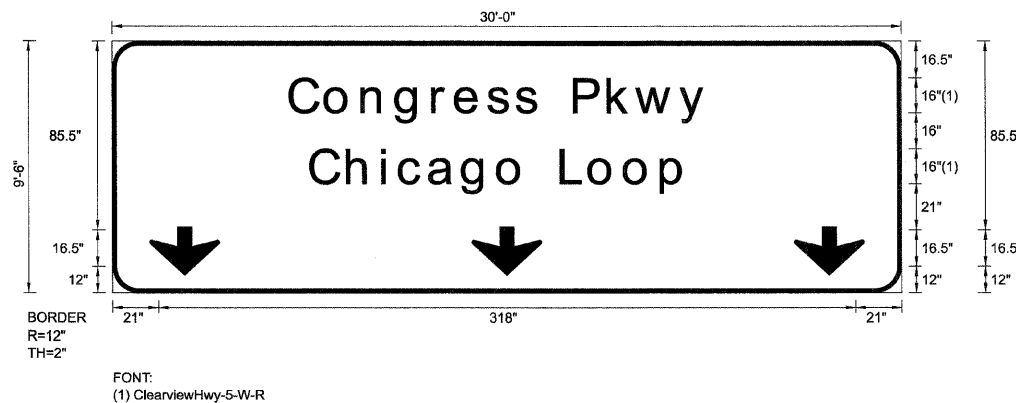
SCALE: N.T.S. SHEET NO. 17 OF 46 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	125
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	

SIGN DETAIL  
1:75

EB-TR-131  
STA. 1208+20

SIGN NUMBER	name
WIDTH x HGHT.	30'-0" x 9'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White



Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

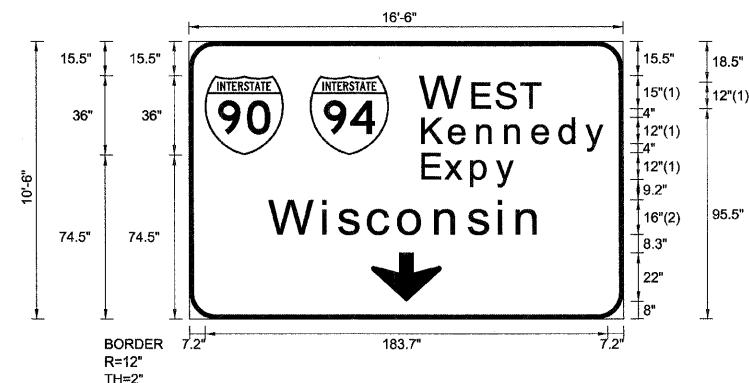
Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT
ARROW	0	17	8	32	22
ARROW	0	164	8	32	22
ARROW	0	311	8	32	22

LETTER POSITIONS (X)													LENGTH	SERIESIZE		
C	o	n	g	r	e	s	s		P	k	w	y				ClearviewHwy-5-W-R
81.5	97.6	114.4	130	146.7	157	171.8	184.7	194.9	211.2	226.7	239.4	259.3				190.3 1613
C	h	i	c	a	g	o		L	o	o	p					ClearviewHwy-5-W-R
90.9	107.7	123.5	131.4	144.9	160.2	176.3	188.6	205.2	217.9	234	250.8					171.5 1613

SIGN DETAIL  
1:75

EB-TR-132  
STA. 1208+20



BORDER  
R=12"  
TH=2"

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	16'-6" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	7.2	74.5	36	36
M1_1	0	55.2	74.5	36	36
ARDOWN	0	83	8	32	22

LETTER POSITIONS (X)										LENGTH	SERIESSIZE
W	E	S	T							106.2	15,12
106.2	129.9	140.6	152							54.5	
K	e	n	n	e	d	y				107.1	129.8
107.1	119.2	132.1	144.9	157.3	169.7	181.5				83.8	
E	x	p	y							107.1	129.8
107.1	117.1	129.3	140.6							42.9	
W	i	s	c	o	n	s	i	n		36.9	1613
36.9	61.4	68.5	82.2	96	112.8	127.5	141.5	150		124.1	

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

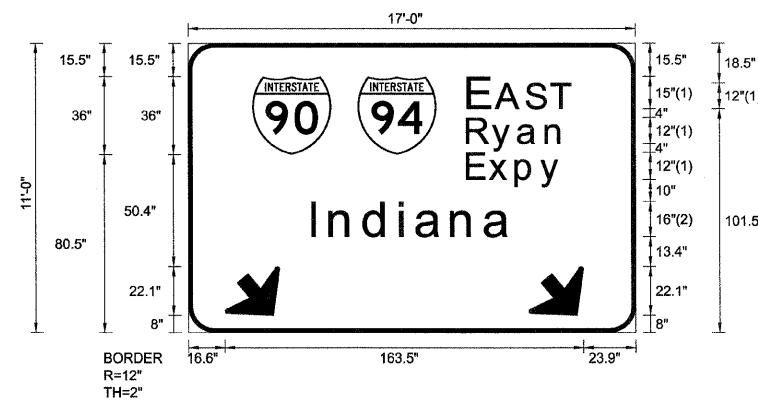
SIGNING DETAILS

SCALE: N.T.S. SHEET NO. 19 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	127
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60K11

SIGN DETAIL  
1:75

EB-TR-133  
STA. 1208+20



Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	17'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	29.3	80.5	36	36
M1_1	0	77.3	80.5	36	36
ARDOWN	40	16.6	8	32	22
ARDOWN	40	155.2	8	32	22

LETTER POSITIONS (X)

										LENGTH	SERIESSIZE
E	A	S	T								ClearviewHwy-5-W
128.3	141	154.7	166.1							46.5	15,12
R	y	a	n								ClearviewHwy-5-W
127.7	139.2	151	163.7							44.3	129.8
E	x	p	y								ClearviewHwy-5-W
127.7	137.7	149.9	161.2							42.9	129.8
I	n	d	i	a	n	a					ClearviewHwy-5-W-R
56.6	65	80.5	96.9	104.4	120.4	135.6				90.8	1613

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = *USER*	CHECKED - SEW	REVISED -
PLOT DATE = *DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

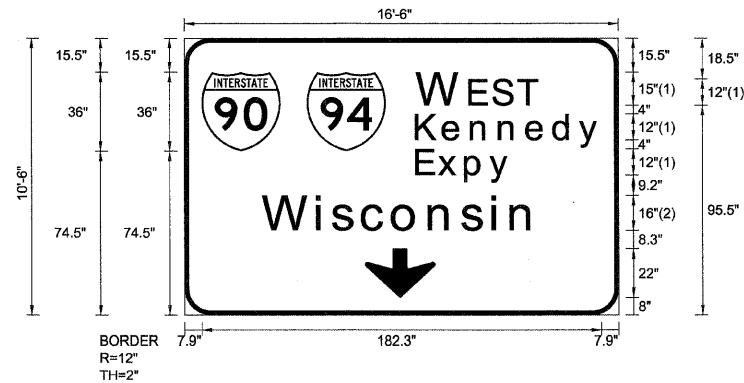
SCALE: N.T.S. SHEET NO. 20 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	128
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	

SIGN DETAIL

1:75

EB-TR-134  
STA. 1210+50



BORDER  
R=12"  
TH=2"  
FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	16'-6" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGENDBORDER	TYPE: Reflective
	COLOR: WhiteWhite

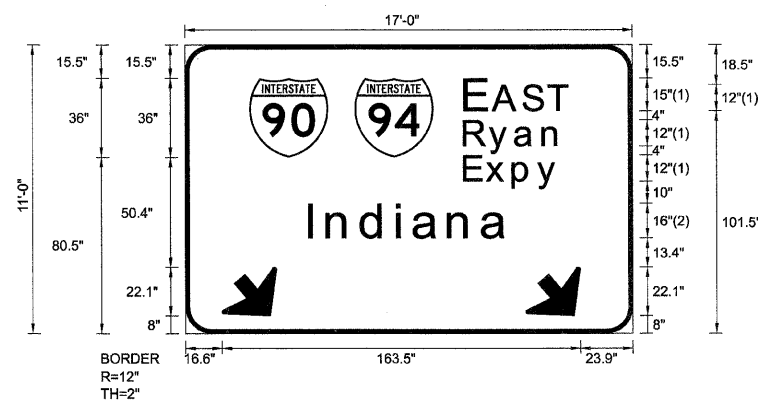
SYMBOL	ROT	X	Y	WID	HT
M1_1	0	7.9	74.5	36	36
M1_1	0	55.9	74.5	36	36
ARDDOWN	0	82.3	8	32	22

LETTER POSITIONS (X)

LETTER POSITIONS (X)										LENGTH	SERIESSIZE
W	E	S	T								ClearviewHwy-5-W
106.9	130.6	141.3	152.7							54.5	15,12
K	e	n	n	e	d	y					ClearviewHwy-5-W
106.3	118.5	131.4	144.2	156.6	169	180.8				83.8	129.8
E	x	p	y								ClearviewHwy-5-W
106.3	116.4	128.6	139.9							42.9	129.8
W	i	s	c	o	n	s	i	n			ClearviewHwy-5-W-R
36.2	60.7	67.7	81.4	95.3	112.1	126.8	140.8	149.3		124.1	1613

SIGN DETAIL  
1:75

EB-TR-135  
STA. 1210+50



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	17'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	29.3	80.5	36	36
M1_1	0	77.3	80.5	36	36
ARDOWN	40	16.6	8	32	22
ARDOWN	40	155.2	8	32	22

LETTER POSITIONS (X)

										LENGTH	SERIESIZE
E	A	S	T								ClearviewHwy-5-W
128.3	141	154.7	166.1							46.5	15,12
R	y	a	n								ClearviewHwy-5-W
127.7	139.2	151	163.7							44.3	129.8
E	x	p	y								ClearviewHwy-5-W
127.7	137.7	149.9	161.2							42.9	129.8
I	n	d	i	a	n	a					ClearviewHwy-5-W-R
56.6	65	80.5	96.9	104.4	120.4	135.6				90.8	1613

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = *USER*	CHECKED - SEW	REVISED -
PLOT DATE = *DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

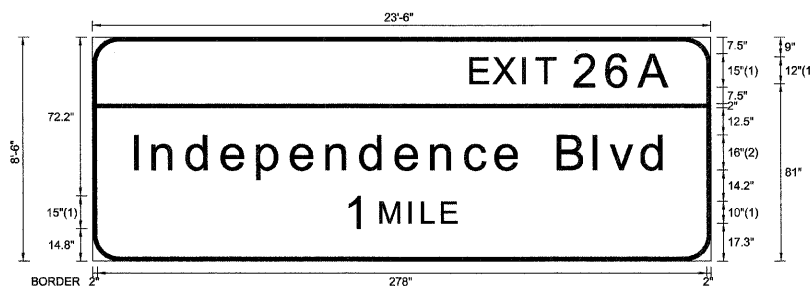
SCALE: N.T.S. SHEET NO. 22 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	130
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

SIGN DETAIL

1:75

WB-BM-124  
STA. 1078+70



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	23'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

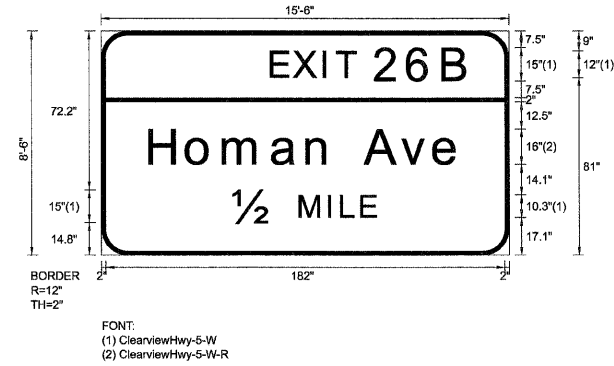
LENGTH    SERIESSIZE

E	X	I	T	2	6	A													LENGTH	SERIESSIZE
173	183.3	196.9	202.8	220.5	235.6	250													91	12,15
19.5	27.9	43.4	59.4	75.6	91	107.2	122.8	138.8	155	170.5	184.4	196.1	212.7	229.3	236.2	250.9	243	16/13		
115.9	131.7	144.8	150.7	159.8													50.2	15,10		

SIGN DETAIL  
1:75

WB-BM-125  
STA. 1078+70

SIGN NUMBER	name
WIDTH x HGHT.	15'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)										LENGTH	SERIESSIZE
E	X	I	T	2	6	B					ClearviewHwy-5-W
78	88.3	101.9	107.9	125.5	140.6	156.6				90	12,15
H	o	m	a	n		A	v	e			ClearviewHwy-5-W-R
22.3	39.2	56	78.2	94.1	105.2	120.6	137.2	151.9		141.3	16/13
12	M	l	L	E							ClearviewHwy-5-W
60.6	90.9	104.1	109.9	118.9						64.9	15,10.3

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = *USER*	CHECKED - SEW	REVISED -
PLOT DATE = *DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

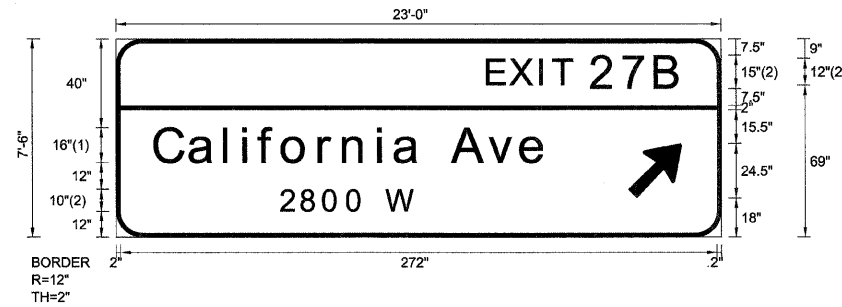
SIGNING DETAILS		
SCALE: N.T.S.	SHEET NO. 24 OF 46 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	131A
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60K11				



SIGN DETAIL  
1:75

WB-CL-128  
STA. 1100+00



FONT:  
(1) ClearviewHwy-5-W-R  
(2) ClearviewHwy-5-W

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	23'-0" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	233.5	18	20	31.5

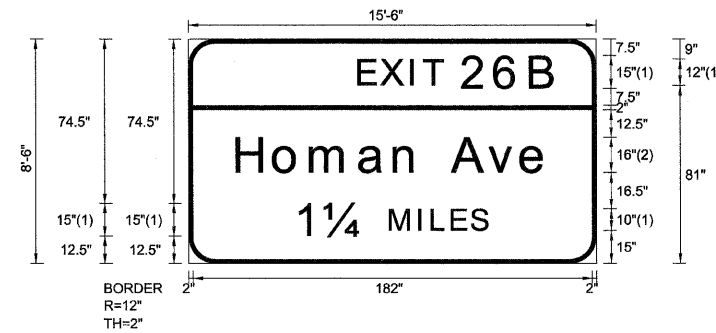
LETTER POSITIONS (X)

		LETTER POSITIONS (X)											LENGTH	SERIESSIZE				
E	X	I	T	2	7	B											ClearviewHwy-5-W	
170	180.2	193.9	199.8	217.4	231.6	246.6											88	12,15
C	a	i	f	o	r	n	i	a	A	v	e							ClearviewHwy-5-W-R
18	33.9	49.8	58.4	65.6	76.3	93.1	104.1	119.9	127.4	139.2	153.7	170.3	185				178.8	16,13
2	8	0	0		W													ClearviewHwy-5-W-R
75.3	84.8	94.8	105.7	113.8	123.4												61.2	10

SIGN DETAIL  
1:75

WB-BM-130  
STA. 1118+70

SIGN NUMBER	name
WIDTH x HGHT.	15'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)										LENGTH	SERIESIZE
E	X	I	T	2	6	B					ClearviewHwy-5-W
78	88.3	101.9	107.9	125.5	140.6	156.6					90 12,15
H	o	m	a	n		A	v	e			ClearviewHwy-5-W-R
22.3	39.2	56	78.2	94.1	105.2	120.6	137.2	151.9			141.3 1613
1		1/4	M	I	L	E	S				ClearviewHwy-5-W
49.5	56.2	62.2	92.2	105.4	111.3	120.3	129.3				87 15,10

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: N.T.S. SHEET NO. 26 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	133
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO.		60K11		



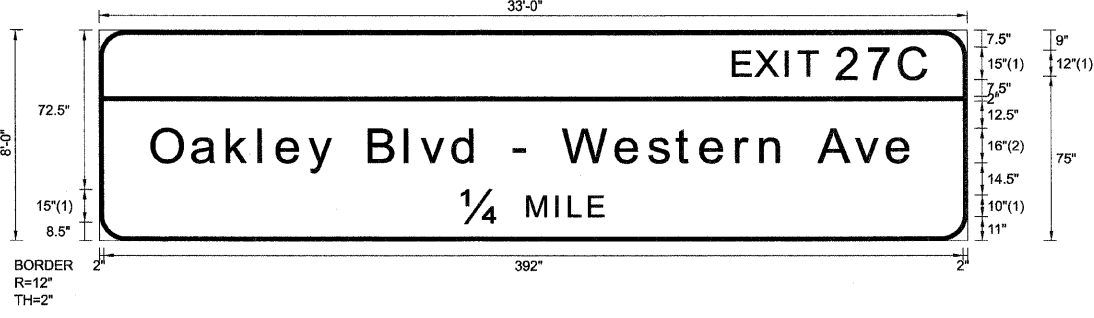




SIGN DETAIL  
1:75

WB-BM-134  
STA. 1132+20

SIGN NUMBER	name
WIDTH x HGHT.	33'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White



FONT:  
(1) ClearviewHwy-S-W  
(2) ClearviewHwy-S-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

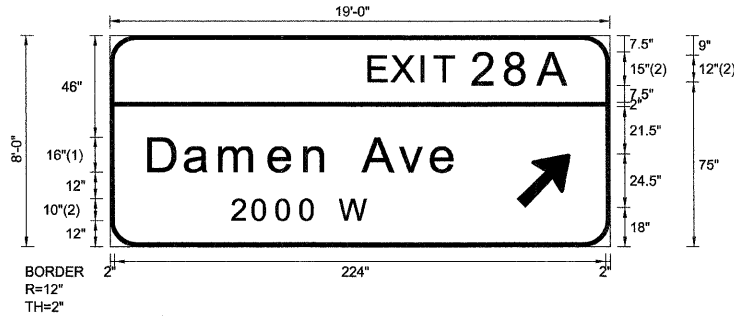
Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)																										LENGTH	SERIESSIZE				
E	X	I	T	2	7	C																								ClearviewHwy-5-W	
289.7	300	313.7	319.6	337.2	351.4	365.8																								88.3	12,15
O	a	k	l	e	y	B	l	v	d	-	W	e	s	t	e	r	n	A	v	e											ClearviewHwy-5-W-R
24.4	42.9	58.8	73.3	81.5	95.8	108.3	123.6	140.2	147.2	161.9	173.4	190.3	196.6	212	236.2	251	263.7	274.9	291.1	302.1	313.2	328.6	345.2	359.9						347.3	1613
14	M	l	L	E																											ClearviewHwy-5-W
165.7	195.7	208.8	214.7	223.8																										64.5	15,10

SIGN DETAIL  
1:75

WB-CL-136  
STA. 1144+00



FONT:  
(1) ClearviewHwy-5-W-R  
(2) ClearviewHwy-5-W

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

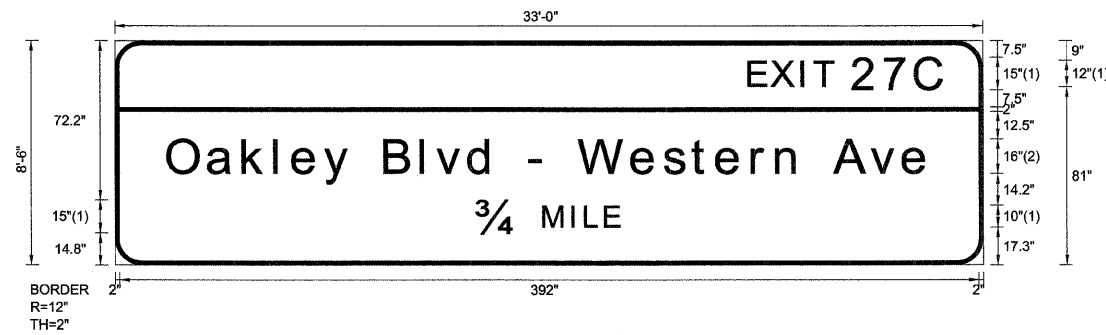
SIGN NUMBER	name
WIDTH x HGHT.	19'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	185.5	18	20	31.5

LETTER POSITIONS (X)										LENGTH	SERIESSIZE	
E	X	I	T	2	8	A					ClearviewHwy-5-W	
118.7	129	142.6	148.6	166.2	181.3	196					91.3 12,15	
D	a	m	e	n		A	v	e			ClearviewHwy-5-W-R	
18	34.5	50.5	73	89.2	100.3	115.7	132.3	147			140.7 1613	
2	0	0	0		W						ClearviewHwy-5-W-R	
55.8	65.4	76.3	87.2	95.3	104.8						62.3 10	

SIGN DETAIL  
1:75

WB-BM-137  
STA. 1159+20



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	33'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

LENGTH SERIESIZE

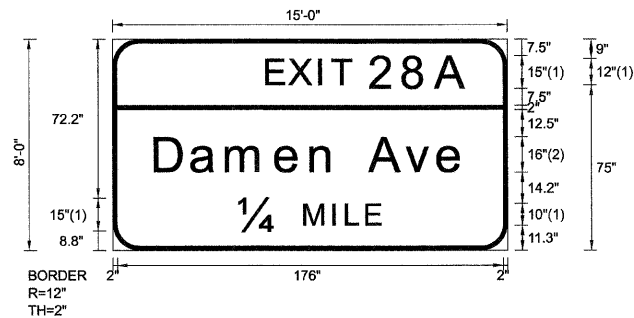
LETTER	X	Y	WID	HT
E	289.7	300	313.7	319.6
X	300	313.7	337.2	351.4
I	313.7	337.2	365.8	
T	319.6			
2	337.2			
7	351.4			
C	365.8			
O	24.4	42.9	58.8	73.3
a	42.9	58.8	81.5	95.8
k	58.8	81.5	108.3	123.6
l	73.3	81.5	140.2	147.2
e	81.5	95.8	161.9	173.4
y	95.8	108.3	190.3	196.6
B	108.3	123.6	212	236.2
l	123.6	140.2	251	263.7
v	140.2	147.2	274.9	291.1
d	161.9	173.4	302.1	313.2
-	173.4	190.3	328.6	345.2
W	190.3	196.6	359.9	
e	212	236.2		
s	236.2	251		
t	251	263.7		
e	263.7	274.9		
r	274.9	291.1		
n	291.1	302.1		
A	302.1	313.2		
v	313.2	328.6		
e	328.6	345.2		
34	165.7	195.9	209	215
M	195.9	209	224	
I	209	215		
L	215	224		
E	224			



SIGN DETAIL  
1:75

WB-BM-138  
STA. 1159+20

SIGN NUMBER	name
WIDTH x HGHT.	15'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

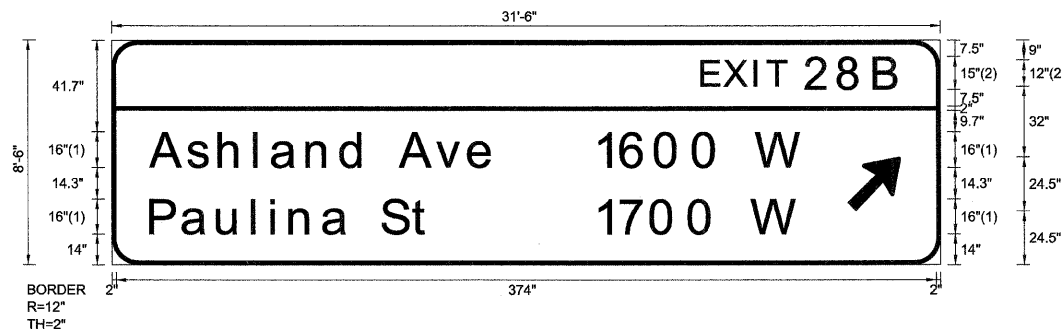
SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

														LENGTH	SERIESSIZE	
E	X	I	T	2	8	A										ClearviewHwy-5-W
70.7	81	94.6	100.6	118.2	133.3	148										91.3 12,15
D	a	m	e	n		A	v	e								ClearviewHwy-5-W-R
19.6	36.1	52.1	74.6	90.8	101.9	117.4	133.9	148.6								140.7 1613
14	M	I	L	E												ClearviewHwy-5-W
57.8	87.8	100.9	106.8	115.9												64.5 15,10

SIGN DETAIL  
1:75

WB-BM-140  
STA. 1172+00



SIGN NUMBER	name
WIDTH x HGHT.	31'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	335.5	24.5	20	31.5

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

														LENGTH	SERIESIZE	
E	X	I	T	2	8	B										ClearviewHwy-5-W
269.8	280	293.7	299.6	317.2	332.3	348.6									90.3	12,15
A	s	h	l	a	n	d	A	v	e							ClearviewHwy-5-W-R
18	35.1	49.4	65.6	73.5	89.4	105	116.5	132	148.6	163.3					157	1613
1	6	0	0		W											ClearviewHwy-5-W-R
220.8	232.8	248.5	266	279	294.3										94.5	16
P	a	u	l	i	n	a	S	t								ClearviewHwy-5-W-R
18	32.6	48.6	64.5	73.1	81.6	96.8	108.6	123.6	137.7						127.5	1613
1	7	0	0		W											ClearviewHwy-5-W-R
220.8	231.9	246.5	263.9	276.9	292.2										92.5	16

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	141
CONTRACT NO. 60K11				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

SCALE: N.T.S. SHEET NO. 34 OF 46 SHEETS STA. TO STA.

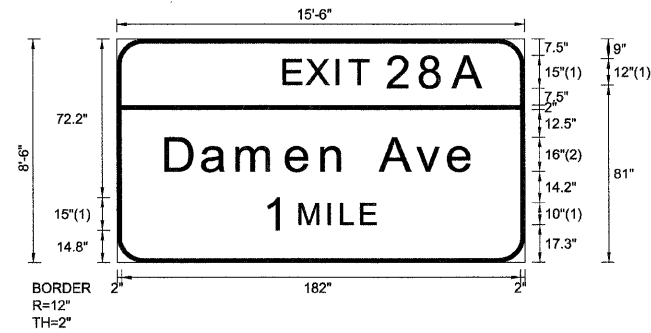




SIGN DETAIL

1:75

WB-BM-143  
STA. 1199+30



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

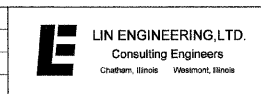
Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	15'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: WhiteWhite

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)																LENGTH	SERIESIZE			
E	X	I	T	2	8	A													ClearviewHwy-5-W	
76.7	87	100.7	106.6	124.2	139.3	154													91.3	12,15
D	a	m	e	n		A	v	e												ClearviewHwy-5-W-R
22.6	39.2	55.1	77.6	93.8	104.9	120.4	136.9	151.6											140.7	1613
1	M	I	L	E																ClearviewHwy-5-W
67.9	83.7	96.8	102.7	111.8															50.2	15,10

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -



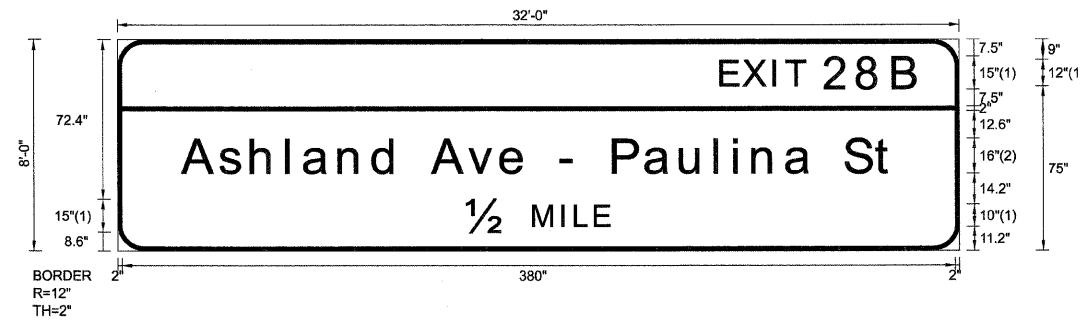
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIGNING DETAILS**  
SCALE: N.T.S. SHEET NO. 37 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	144
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

SIGN DETAIL  
1:75

WB-BM-144  
STA. 1199+30



FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-5-W-R

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

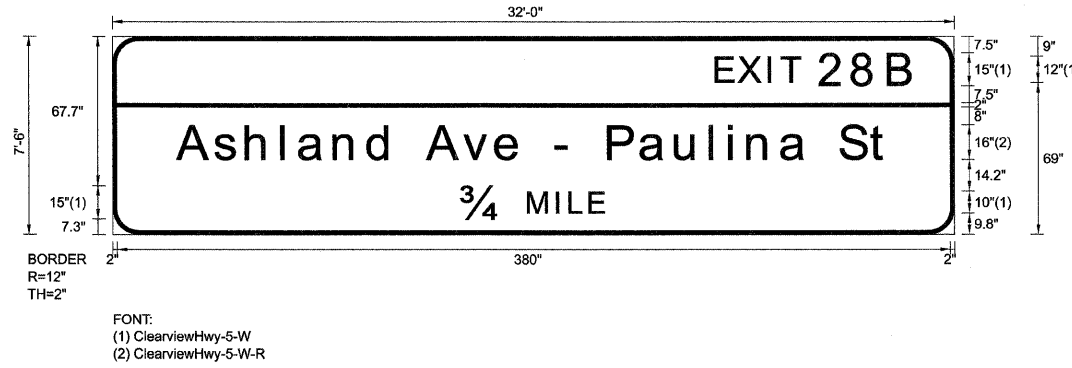
SIGN NUMBER	name
WIDTH x HGHT.	32'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: WhiteWhite

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)																				LENGTH	SERIESIZE					
E	X	I	T	2	8	B																ClearviewHwy-5-W				
275.8	286	299.7	305.6	323.2	338.3	354.6															90.3	12,15				
A	s	h	l	a	n	d	A	v	e	-	P	a	u	l	i	n	a	S	t			ClearviewHwy-5-W-R				
30	47	61.4	77.5	85.4	101.4	116.9	128.5	144	160.5	175.2	187	203.2	209.5	226.5	241.1	257.1	273.1	281.6	290.1	305.3	317.1	332.1	346.2	324.1	1613	
12	M	l	L	E																						ClearviewHwy-5-W
159.7	190	203.1	209.1	218.1																					64.8	15,10

SIGN DETAIL  
1:75

WB-BM-146  
STA. 1205+60



Panel Style: sign\_default.ssi  
Dimensions are in inches tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	name
WIDTH x HGHT.	32'-0" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

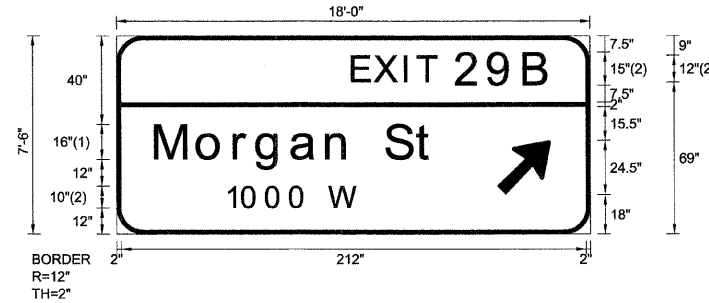
SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)																								LENGTH	SERIESIZE	
E	X	I	T	2	8	B																				ClearviewHwy-5-W
275.8	286	299.7	305.6	323.2	338.3	354.6																			90.3	12,15
A	s	h	l	a	n	d	A	v	e	-	P	a	u	l	i	n	a	S	t							ClearviewHwy-5-W-R
30	47	61.4	77.5	85.4	101.4	116.9	128.5	144	160.5	175.2	187	203.2	209.5	226.5	241.1	257.1	273.1	281.6	290.1	305.3	317.1	332.1	346.2	324.1	1613	
34	M	I	L	E																						ClearviewHwy-5-W
159.7	189.9	203	209	218																					64.7	15,10

SIGN DETAIL  
1:75

WB-BM-147  
STA. 1205+60

SIGN NUMBER	name
WIDTH x HGHT.	18'-0" x 7'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White



FONT:  
(1) ClearviewHwy-5-W-R  
(2) ClearviewHwy-5-W

Panel Style: sign\_default.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	173.5	18	20	31.5

LETTER POSITIONS (X)

LENGTH      SERIESIZE

Letter	X	Y	Length	Series Size
E	108	12.15	90.1	ClearviewHwy-5-W
X	131.9	12.15	12.15	ClearviewHwy-5-W
I	137.8	12.15	12.15	ClearviewHwy-5-W
T	155.4	12.15	12.15	ClearviewHwy-5-W
2	170.4	12.15	12.15	ClearviewHwy-5-W
9	186.6	12.15	12.15	ClearviewHwy-5-W
B				
M	18	16.13	127	ClearviewHwy-5-W-R
o	37.3	16.13	127	ClearviewHwy-5-W-R
r	54	16.13	127	ClearviewHwy-5-W-R
g	64.4	16.13	127	ClearviewHwy-5-W-R
a	80.2	16.13	127	ClearviewHwy-5-W-R
n	96.1	16.13	127	ClearviewHwy-5-W-R
S	107.2	16.13	127	ClearviewHwy-5-W-R
t	123.1	16.13	127	ClearviewHwy-5-W-R
1	137.2	16.13	127	ClearviewHwy-5-W-R
0	49.9	60.3	10	ClearviewHwy-5-W-R
0	57.5	60.3	10	ClearviewHwy-5-W-R
0	68.4	60.3	10	ClearviewHwy-5-W-R
0	79.3	60.3	10	ClearviewHwy-5-W-R
W	87.5	60.3	10	ClearviewHwy-5-W-R
	97	60.3	10	ClearviewHwy-5-W-R

FILE NAME =	DESIGNED - SEW	REVISED -
*FILEL*	DRAWN - SEW	REVISED -
USER NAME = #USER*	CHECKED - SEW	REVISED -
PLOT DATE = #DATE*	DATE - 1/25/10	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

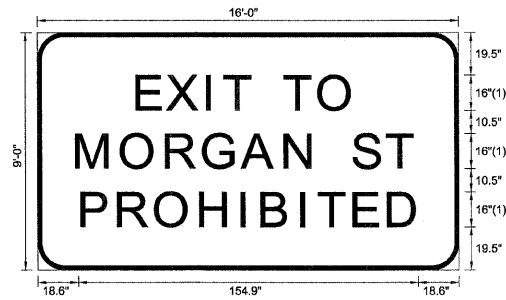
SCALE: N.T.S. SHEET NO. 40 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	147
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	



**SIGN DETAIL**  
1:75

WB-BM-149  
STA. 1212+90



FONT:  
(1) ClearviewHwy-5-W

SIGN NUMBER	name
WIDTH x HGHT.	16'-0" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Red/Black

SYMBOL	ROT	X	Y	WID	HT

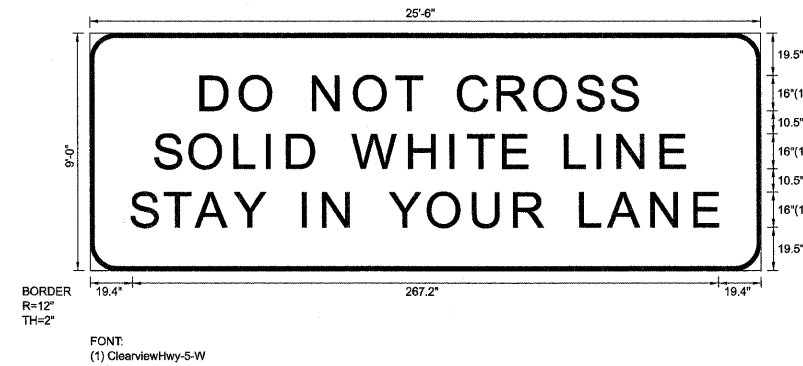
Panel Style: Regulatory\_Signs.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																	LENGTH	SERIESSIZE
E	X	I	T	T	O												ClearviewHwy-5-W	
46.1	59.8	78	85.9	97.4	113.4	129											97.8 16	
M	O	R	G	A	N	S	T										ClearviewHwy-5-W	
18.6	38.9	59.5	76.3	94.1	113.7	126.8	144.7	159.9									152.8 16	
P	R	O	H	I	B	I	T	E	D								ClearviewHwy-5-W	
20.9	37.6	54.4	75	93.6	103.1	120.8	128.7	145	160.6								152.5 16	

SIGN DETAIL  
1:75

WB-GM-150  
STA. 1213+10



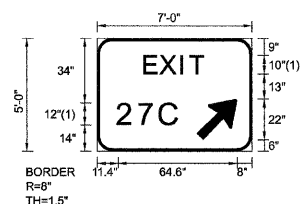
SIGN NUMBER	name
WIDTH x HGHT.	25'-6" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Red/Black

SYMBOL	ROT	X	Y	WID	HT

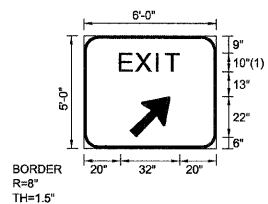
Panel Style: Regulatory\_Signs.ssi  
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

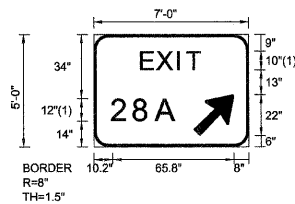
LETTER POSITIONS (X)																				LENGTH	SERIES SIZE	
D	O		N	O	T		C	R	O	S	S									ClearviewHwy-5-W		
51.5	69.4	84.2	102.7	121.6	140.5	152.1	169	186.9	203.8	223	238.6									198.6	16	
S	O	L	I	D		W	H	I	T	E		L	I	N	E					ClearviewHwy-5-W		
30.2	46.4	67	81.4	90.9	103.8	120.7	146.6	165.2	173.1	189.4	199.5	217.7	232.2	241.7	261.2					241.1	16	
S	T	A	Y		I	N		Y	O	U	R		L	A	N	E				ClearviewHwy-5-W		
19.4	34.6	49.2	66.7	80.7	97.8	107.3	120.4	137.4	155.1	175.6	194.4	206.3	224.6	237.3	256.9	276.4				267.2	16	



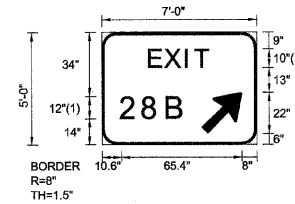
FONT:  
(1) ClearviewHwy-5-W  
  
EB-WP-110  
STA. 1088+00



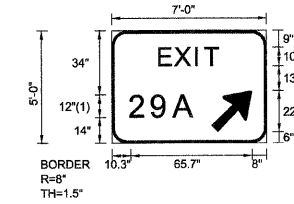
FONT:  
(1) ClearviewHwy-5-W  
  
EB-WP-111  
STA. 1096+90



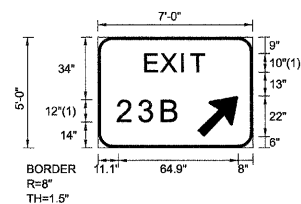
FONT:  
(1) ClearviewHwy-5-W  
  
EB-WP-117  
STA. 1125+50



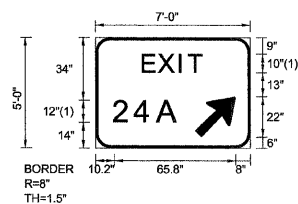
FONT:  
(1) ClearviewHwy-5-W  
  
EB-WP-120  
STA. 1145+20



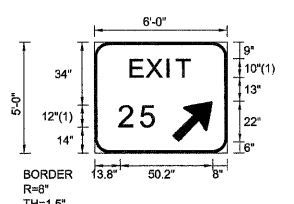
FONT:  
(1) ClearviewHwy-5-W  
  
EB-WP-125  
STA. 1175+20



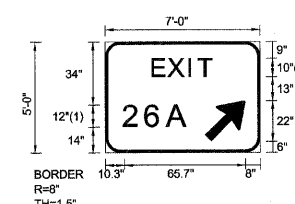
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-106  
STA. 899+00



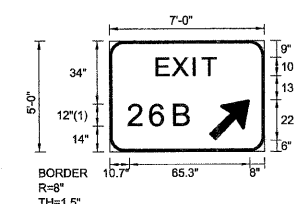
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-110  
STA. 924+80



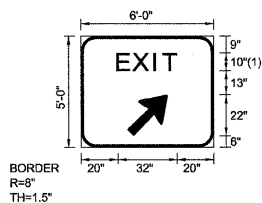
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-114  
STA. 977+90



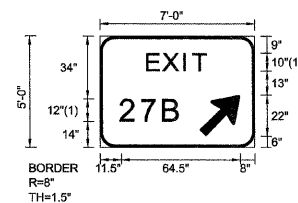
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-118  
STA. 1019+30



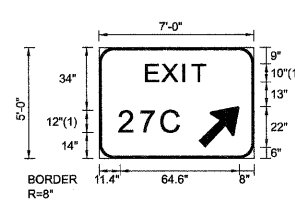
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-122  
STA. 1045+70



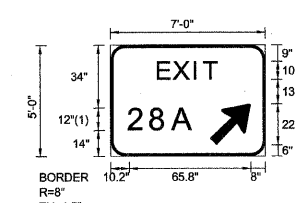
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-126  
STA. 1085+40



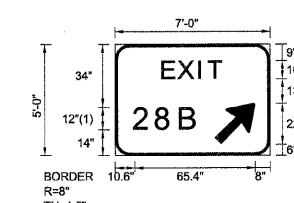
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-127  
STA. 1094+90



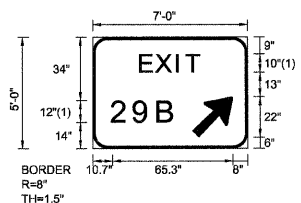
FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-129  
STA. 1115+80



FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-135  
STA. 1137+50



FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-139  
STA. 1165+50



FONT:  
(1) ClearviewHwy-5-W  
  
WB-WP-145  
STA. 1202+35

FILE NAME =	DESIGNED - SEW	REVISED -
#FILE#	DRAWN - SEW	REVISED -
USER NAME = #USER#	CHECKED - SEW	REVISED -
PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -

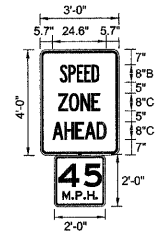
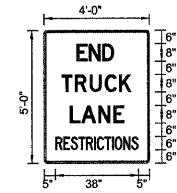
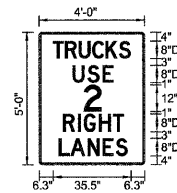


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

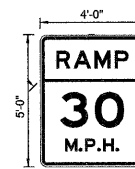
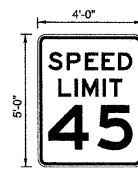
SIGNING DETAILS

SCALE: N.T.S. SHEET NO. 43 OF 46 SHEETS STA. TO STA.

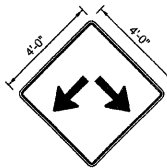
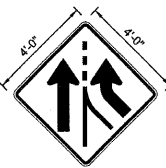
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	150
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	



NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION
WB-PM-132B	1120+80			EB-TS-113B	1106+90			EB-PM-117A	1127+98	WB-TS-125C	1079+39	EB-PM-120A	1148+73			EB-PM-123D	1167+46		
WB-TS-142A	1195+00							WB-PM-125B	1079+39	WB-PM-134B	1134+51					EB-PM-125A	1178+98		
																EB-TS-125B	1178+98		



NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION
EB-PM-111A	1103+91			EB-WP-125C	1184+00			EB-PM-109A	1083+10	WB-TS-128A	1100+00			EB-WP-109B	1085+67	EB-WP-123C	1163+84	WB-TS-140B	1178+75
WB-TS-134C	1136+18			EB-PM-125D	1184+00			EB-WP-110B	1096+00	WB-PM-129A	1117+00			EB-WP-110A	1095+31	WB-TS-126A	1088+30		
WB-PM-142B	1193+49			EB-PM-133A	1208+20			EB-PM-116A	1123+31	WB-PM-135A	1138+32			EB-WP-113D	1115+92	WB-TS-127A	1096+87		
				EB-TS-133B	1210+38			EB-WP-119B	1144+14	WB-PM-139A	1166+30			EB-WP-118B	1136+11	WB-TS-132C	1127+29		
								EB-PM-124B	1174+20	WB-TS-145A	1203+10					WB-WP-136A	1146+34		



NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION
WB-WP-148	1210+78			EB-BM-136	1211+18		

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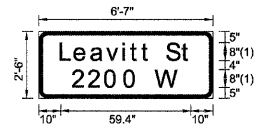


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: N.T.S. SHEET NO. 44 OF 46 SHEETS STA. TO STA.

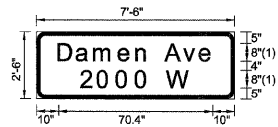
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	151
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	



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EB-TS-113E  
STA. 1117+95

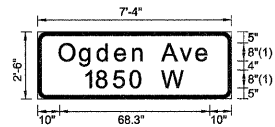
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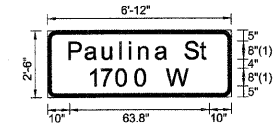
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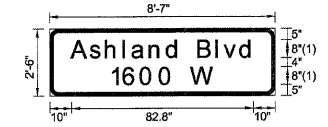
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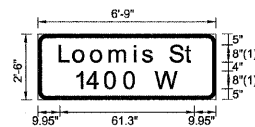
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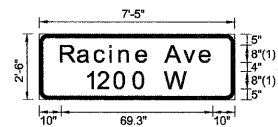
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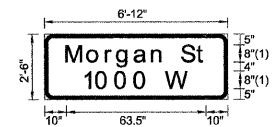
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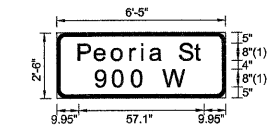
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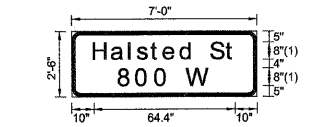
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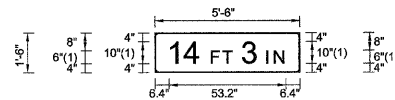
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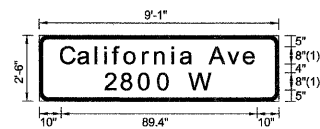
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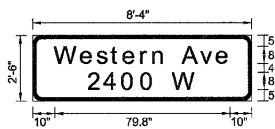
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EB-BM-108C  
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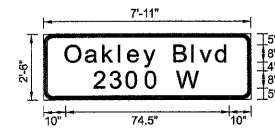
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EB-BM-113A  
STA. 1104+40

WB-BM-128B  
STA. 1105+86



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EB-BM-113C  
STA. 1111+26

WB-BM-128C  
STA. 1112+21

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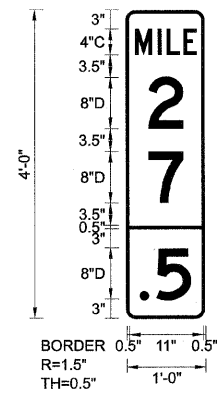
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

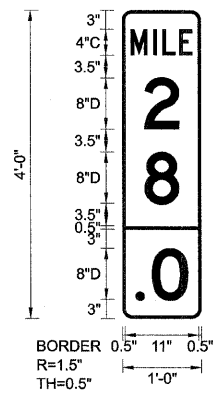
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	152
CONTRACT NO. 60K11				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

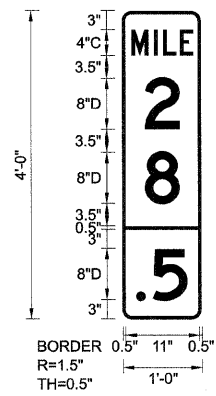
EB-MM-56  
STA. 1091+40



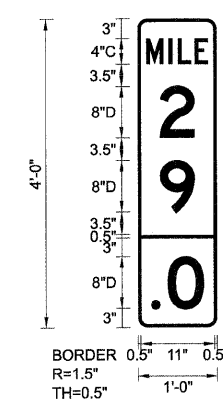
EB-MM-57  
STA. 1117+80



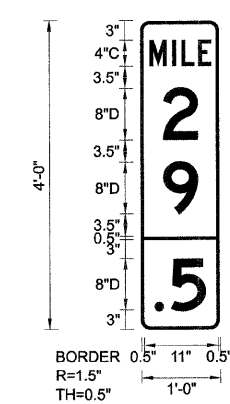
EB-MM-58  
STA. 1144+20



EB-MM-59  
STA. 1170+60



EB-MM-60  
STA. 1197+00



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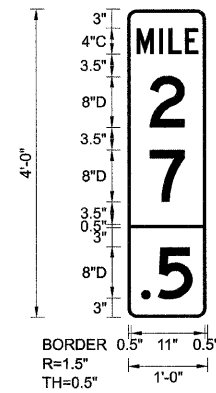
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

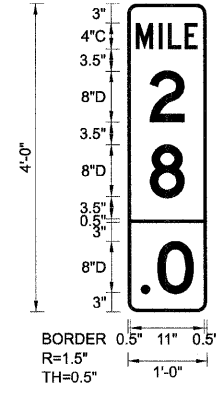
SCALE: N.T.S. SHEET NO. 46 OF 46 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	

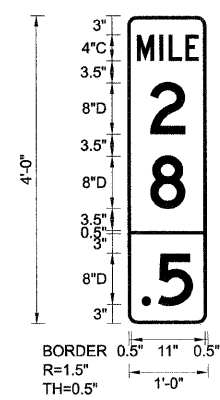
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STA. 1091+40



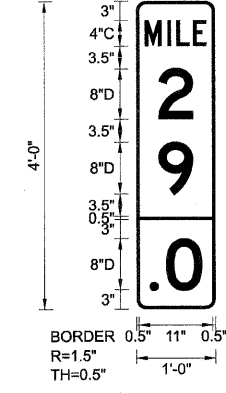
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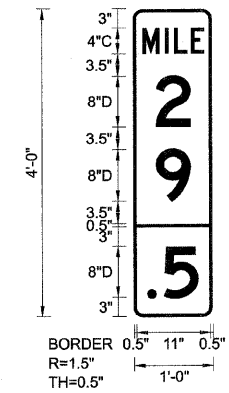
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STA. 1144+20



WB-MM-59  
STA. 1170+60



WB-MM-60  
STA. 1197+00



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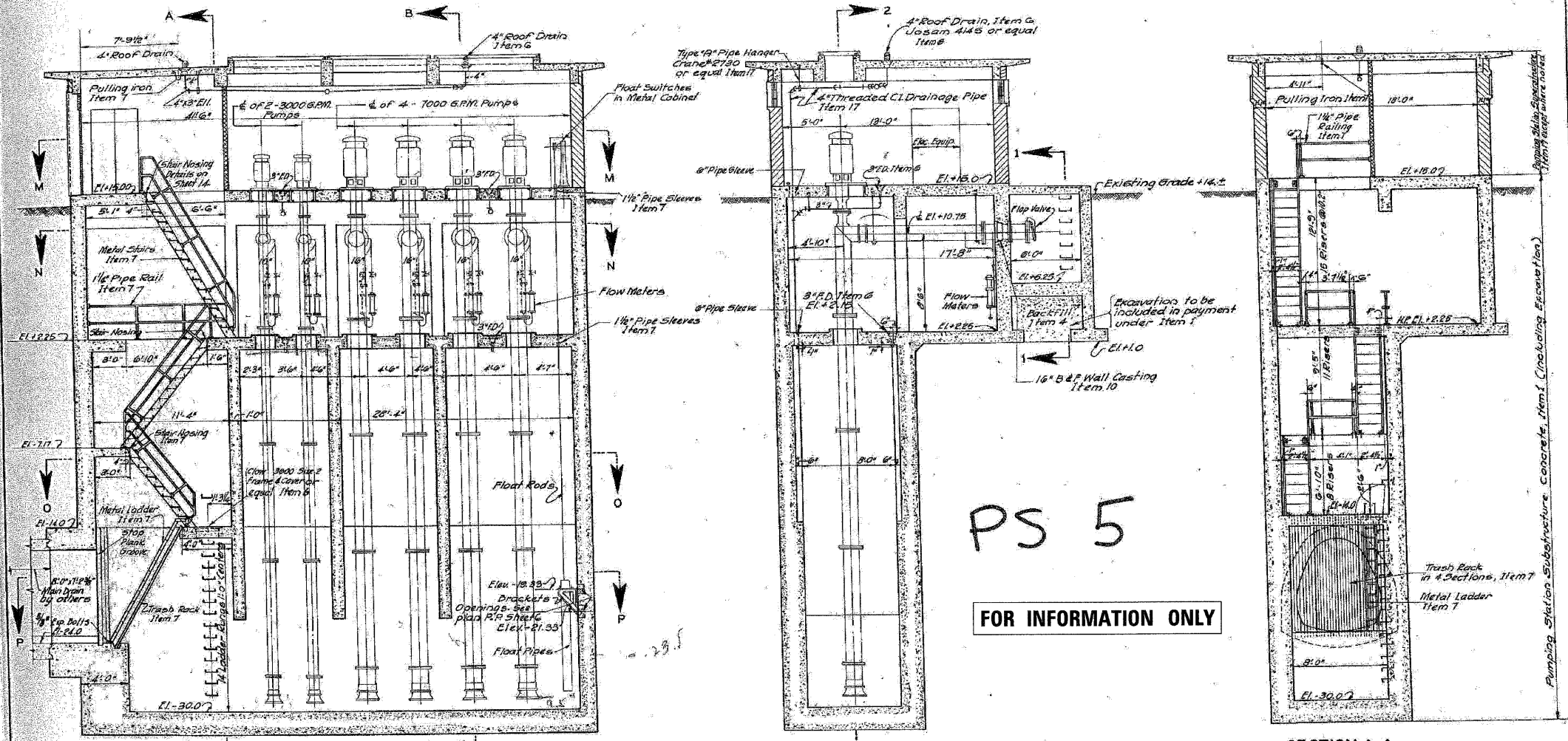
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING DETAILS**

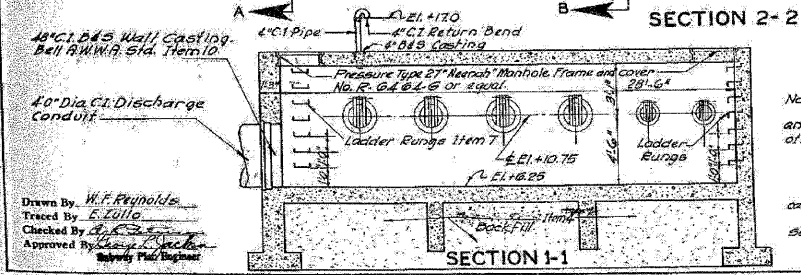
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	154
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	

SECTION	2424.15-D	COC	32	7
F.A.I. RTE.	290	(2525, ETC., 2727) RS-8	COOK	201 155
CONTRACT NO. 60K11				



PS 5  
FOR INFORMATION ONLY



Notes:  
All pumping electrical and metering equipment and gas heater shown in light lines, to be furnished by others under a future contract.  
For detail drawings of superstructure, see sheets 15, 16, 17 and 18.  
For electrical details see sheets 21 and 22.  
For details of metal stairs, pump supports, wall castings, trash rack and ladder, see sheet 14.  
For details of ladder rungs and pulling iron, see sheet 23.  
For general plans M-M, N-N, O-O and P-P see sheet 6.

CITY OF CHICAGO  
DEPARTMENT OF SUBWAYS AND SUPERHIGHWAYS  
WEST ROUTE SUPERHIGHWAY  
SECTION 2424.15-D  
PUMPING STATION AND DISCHARGE CONDUIT  
S. DESPLAINES ST. TO S. BRANCH OF CHICAGO RIVER  
PUMPING STATION  
GENERAL SECTIONS  
SCALE: AS NOTED  
SHEET NO. 7  
FEBRUARY 1951  
OF 32 SHEETS

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**E** LIN ENGINEERING LTD.  
Consulting Engineers  
Chicago, Illinois Westport, Illinois

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

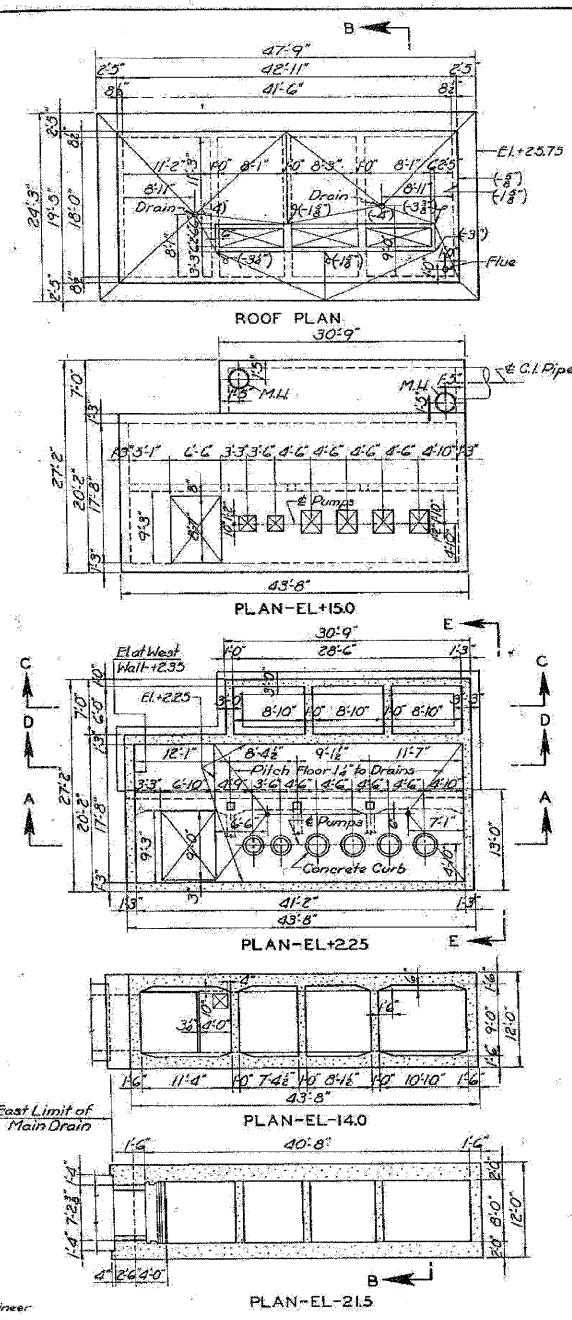
PUMP STATION NO. 5  
RECORD DRAWINGS

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

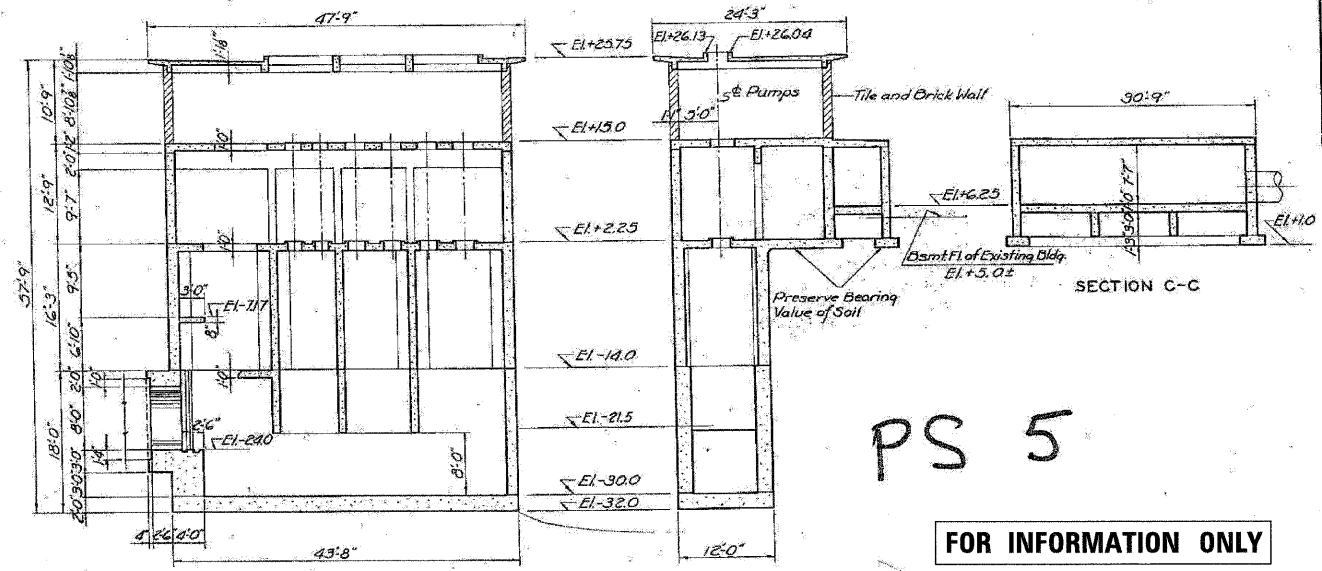
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290	(2525, ETC., 2727) RS-8	COOK	201	155
CONTRACT NO. 60K11				
[ILLINOIS] FED. AID PROJECT				



SECTION	2424.15-D	COUNTY	COOK	SHEET	5
F.A.I. R.T.E.	290	SECTION	(2525, ETC., 2727)	RS-8	COOK
				TOTAL SHEETS	201
				SHEET NO.	156
				CONTRACT NO. 60K11	



Figures thus given (-) on Roof Plan indicate distances below El.+25.75 Bottom of slab is level



PS 5

FOR INFORMATION ONLY

- Notes:
- Base Slab and Details
  - North and South Walls
  - East and West Walls
  - Plan of Elev.+2.25
  - Plan of Elev.+3.00
  - Roof Plan
  - Plan and Profile
  - General Details
  - Architectural Details
  - Electrical Details
  - Mechanical Details
- Sheet No. 9
  - Sheet No. 10
  - Sheet No. 11
  - Sheet No. 12
  - Sheet No. 13
  - Sheet No. 16
  - Sheet No. 2
  - Sheet Nos. 6 & 7
  - Sheet Nos. 13, 17 & 18
  - Sheet No. 21
  - Sheet Hold

Designed By: P. Solheim  
 Drawn By: S.J. Gonzalez  
 Traced By: W. Wood  
 Checked By: K.C. Williams  
 Approved By: [Signature]  
 Subway Structural Engineer

Scale of Tracing  
 1/8" = 1'-0"  
 0 2 4 6 8 16"

CITY OF CHICAGO  
 DEPARTMENT OF SUBWAYS AND SUPERHIGHWAYS  
 WEST ROUTE SUPERHIGHWAY  
 SECTION 2424.15-D  
 PUMPING STATION AND DISCHARGE CONDUIT  
 S. DESPLAINES ST. TO S. BRANCH OF CHICAGO RIVER  
 PUMPING STATION  
 PLANS AND SECTIONS.  
 SCALE: AS NOTED  
 SHEET NO. 5 OF 32 SHEETS  
 FEBRUARY 1951

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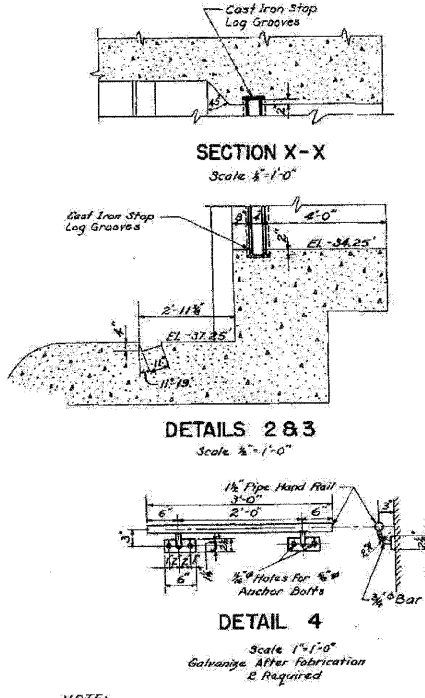
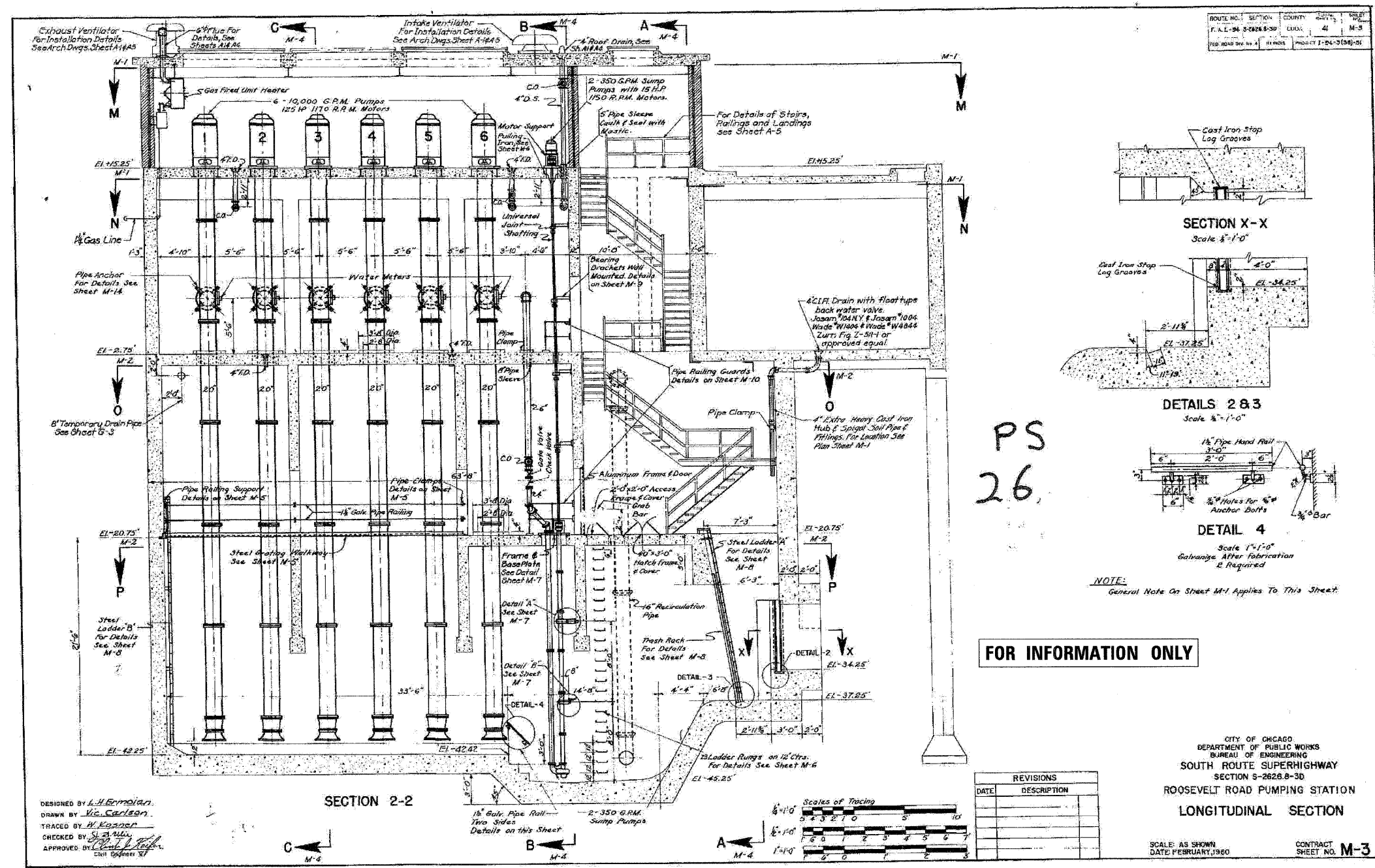
**E** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Chatham, Illinois    Walnut, Illinois

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PUMP STATION NO. 5  
 RECORD DRAWINGS

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)	COOK	201	156
				CONTRACT NO. 60K11
ILLINOIS FED. AID PROJECT				



PS  
26

FOR INFORMATION ONLY

REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF ENGINEERING  
SOUTH ROUTE SUPERHIGHWAY  
SECTION S-2626.8-3D  
ROOSEVELT ROAD PUMPING STATION  
LONGITUDINAL SECTION  
SCALE: AS SHOWN  
DATE: FEBRUARY, 1960  
CONTRACT SHEET NO. M-3

DESIGNED BY: L. H. Ermoian.  
DRAWN BY: Vic Carlson.  
TRACED BY: W. Kozner.  
CHECKED BY: S. J. Allen.  
APPROVED BY: [Signature]  
CIVIL ENGINEER

SECTION 2-2

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**E** LIN ENGINEERING, LTD.  
Consulting Engineers  
Chatham, Illinois Westport, Illinois

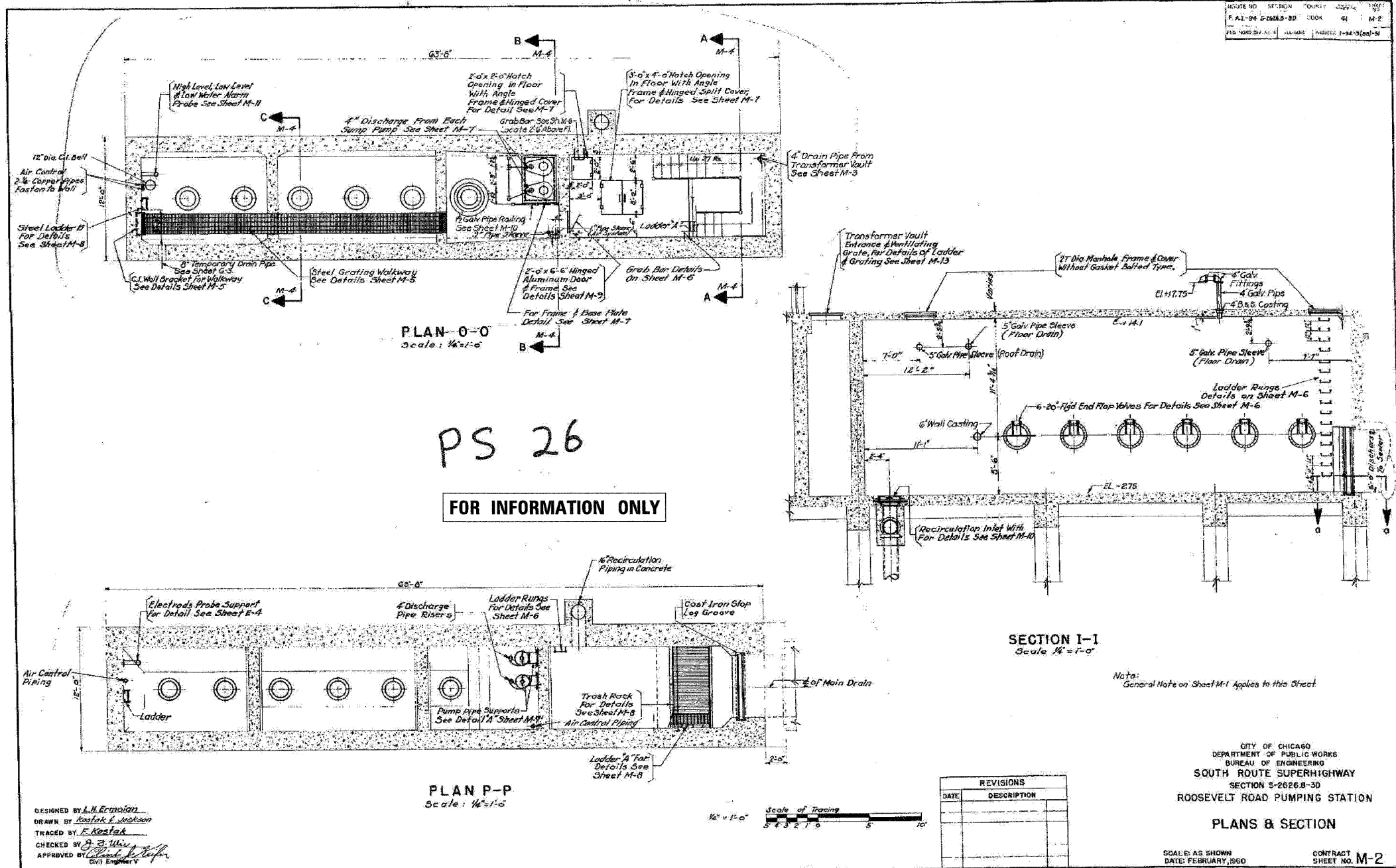
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PUMP STATION NO. 26  
RECORD DRAWINGS

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727) RS-8	COOK	201	157
CONTRACT NO. 60K11			ILLINOIS FED. AID PROJECT	

FIG. NO.	SECTION	COUNT	DATE	BY
F.A.I. 290	S-26268-30	BOOK	41	M-2
FIG. NO. BY	ALL WORK	PROJECT	S-26268-30	

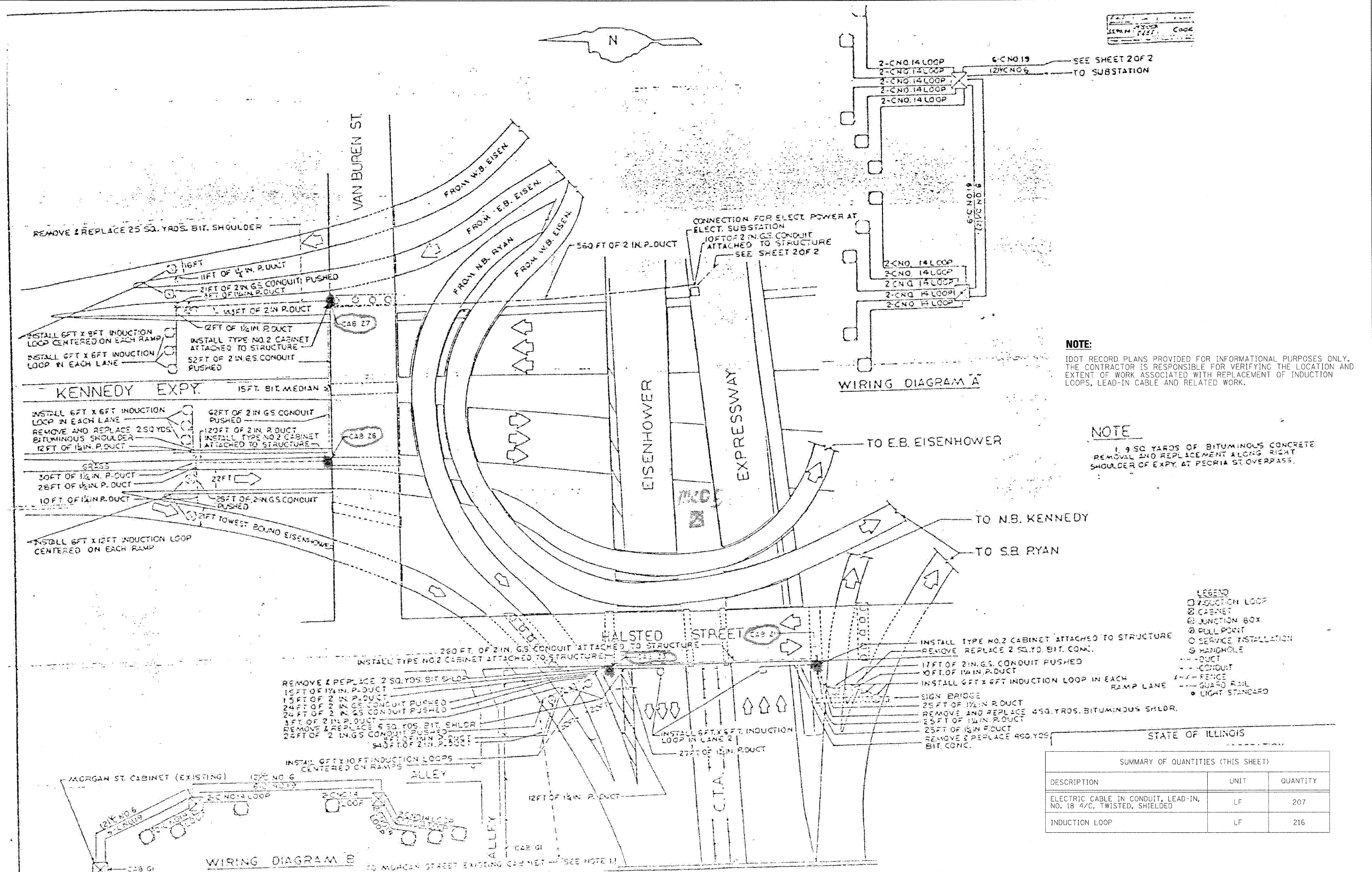
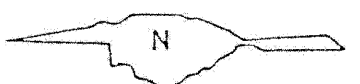


DESIGNED BY L. M. Ermolov  
 DRAWN BY Kostak & Jackson  
 TRACED BY F. Kostak  
 CHECKED BY A. J. Miller  
 APPROVED BY [Signature]  
 CIVIL ENGINEER



FILE NAME =	DESIGNED - SGL	REVISED -	 <b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PUMP STATION NO. 26</b> <b>RECORD DRAWINGS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = #DATE#	DATE - 1/25/10	REVISED -		ILLINOIS FED. AID PROJECT						
LIN ENGINEERING LTD. Consulting Engineers Chatham, Illinois    Westmont, Illinois										

DATE: 1/25/10  
 DRAWN BY: JMW  
 CHECKED BY: MPM  
 PLOT DATE: 1/25/2010



**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 = 1/25/2010	CHECKED - MPM	REVISED -
	DATE - 1/25/10	REVISED -

**benesch**

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

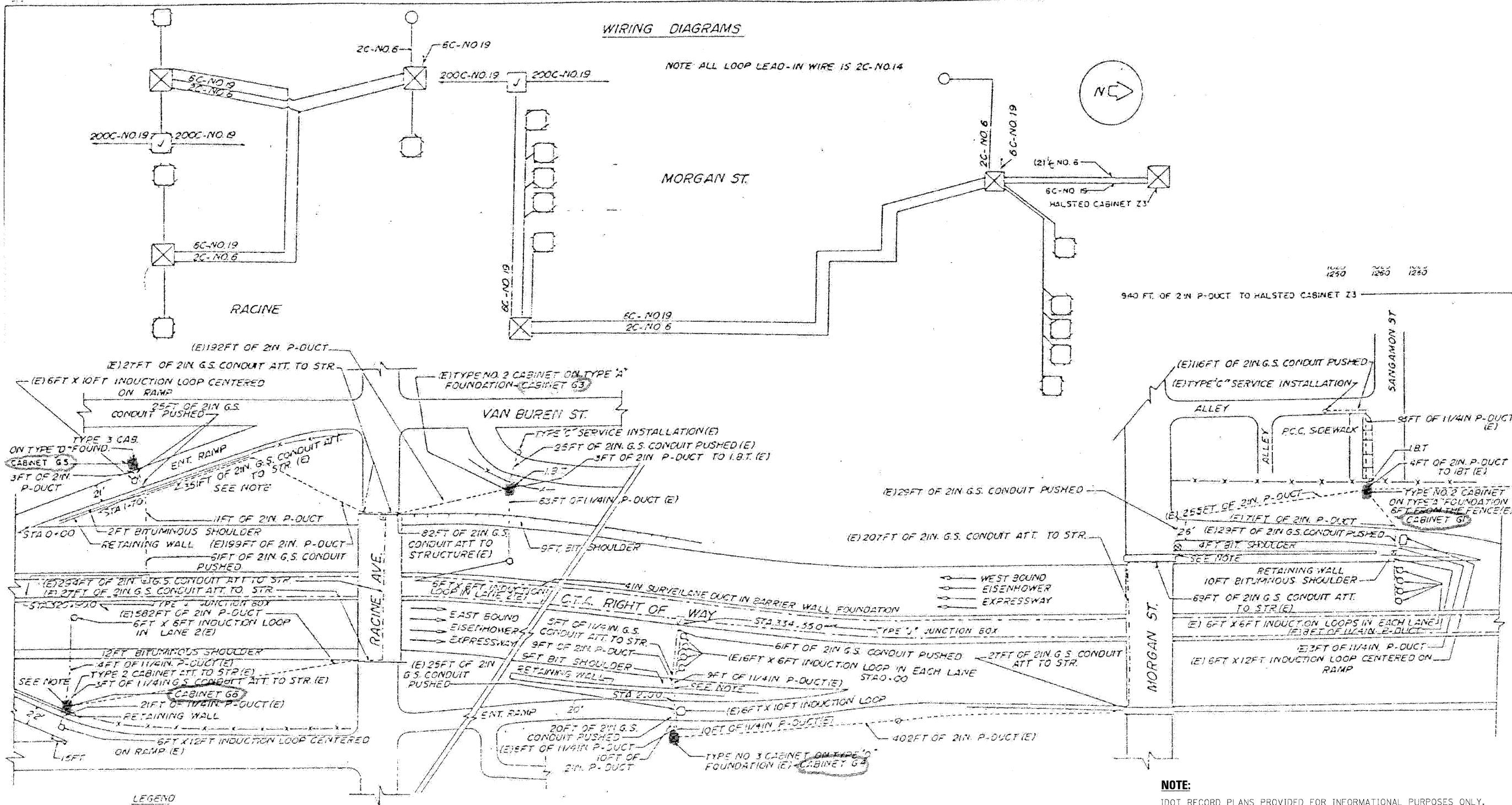
TRAFFIC SURVEILLANCE  
 EISENHOWER-KENNEDY-RYAN INSTALLATION (1 OF 2)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	159
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SCALE: N.T.S. SHEET NO. 1 OF 23 SHEETS STA. TO STA.

WIRING DIAGRAMS

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



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

PLAN  
NO SCALE

**NOTE**  
1. HOLES SHALL BE DRILLED THROUGH RETAINING WALLS TO ACCOMMODATE 2IN. G.S. CONDUIT & CONDUITS PUSHED

**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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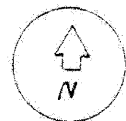
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: N.T.S. SHEET NO. 2 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	160
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	



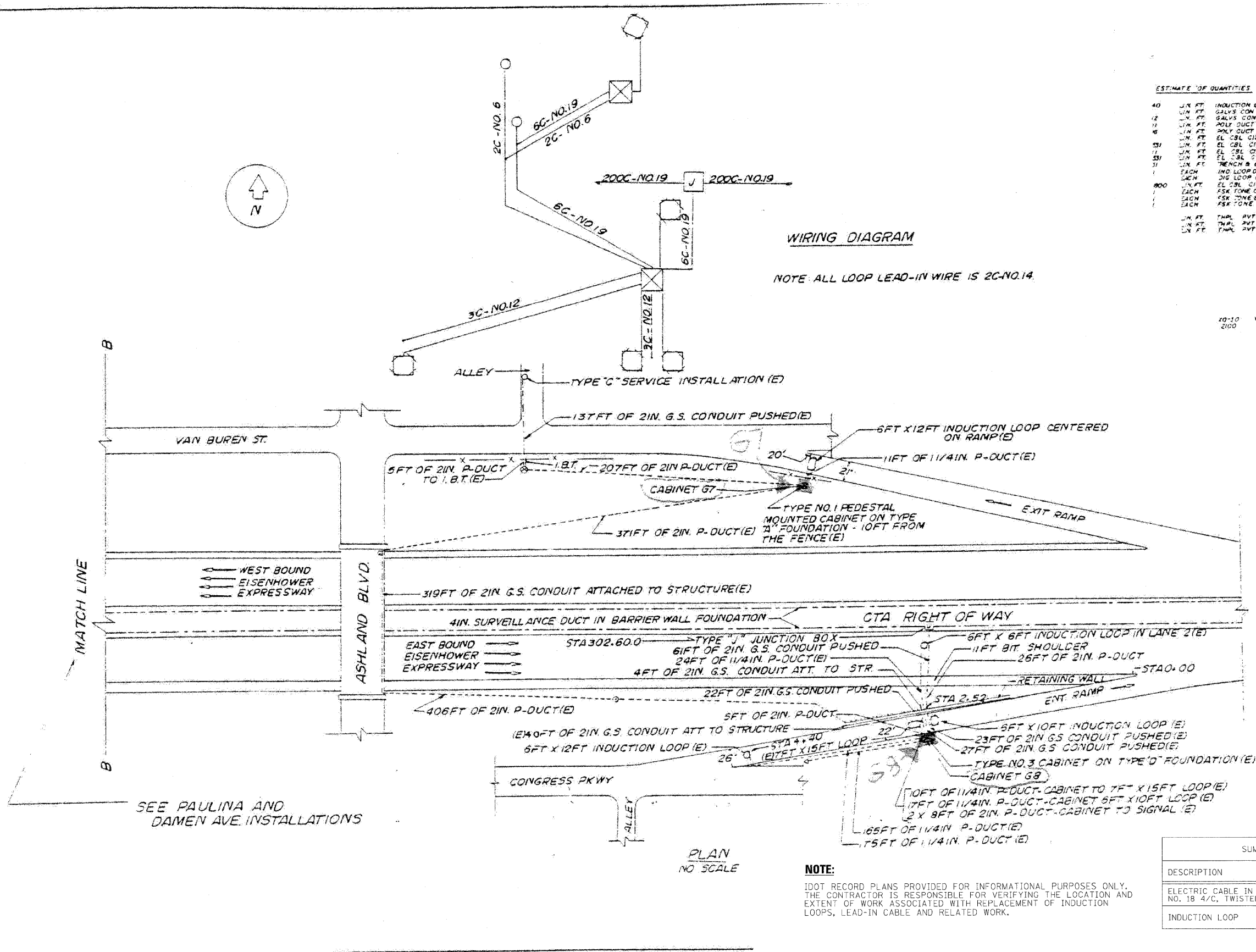
**ESTIMATE OF QUANTITIES**

40	LIN. FT.	INDUCTION LOOP
12	LIN. FT.	GALVS CON AT ST 2
11	LIN. FT.	POLY DUCT 1/4"
6	LIN. FT.	POLY DUCT 2"
1	LIN. FT.	EL CBL C12 3C
231	LIN. FT.	EL CBL C19 6C
11	LIN. FT.	EL CBL C14 3C SHIELD
231	LIN. FT.	EL CBL C15 2C
1	LIN. FT.	TRENCH & BACKFILL
1	EACH	IND LOOP DET SEN UNIT
1	EACH	316 LOOP DET SEN UNIT # CHA
1	LIN. FT.	EL CBL C19 200C
1	EACH	FSK TONE OSCILLATOR 10-30
1	EACH	FSK TONE BAND PASS FILTER 10-30
1	EACH	FSK TONE DISCRIMINATOR 10-30
1	LIN. FT.	THPL 2WT MK LINE 8
1	LIN. FT.	THPL 2WT MK LINE 12
1	LIN. FT.	THPL 2WT MK LINE 18

10-30	15-30	20-30
200	300	300

**WIRING DIAGRAM**

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



**LEGEND**

- ⊠ CABINET
- ⊞ INDUCTION LOOP
- JUNCTION BOX
- PULL POINT
- ⊙ HANDHOLE
- ⊕ SERVICE INSTALLATION
- ⚡ FLASHER
- DUCT
- CONDUIT
- x- FENCE
- (E) EXISTING

**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

**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  
NO SCALE

SEE PAULINA AND DAMEN AVE INSTALLATIONS

FILE NAME =	DESIGNED - GHT	REVISED -
...\\sigma\proj\ABC_C3.us_06.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

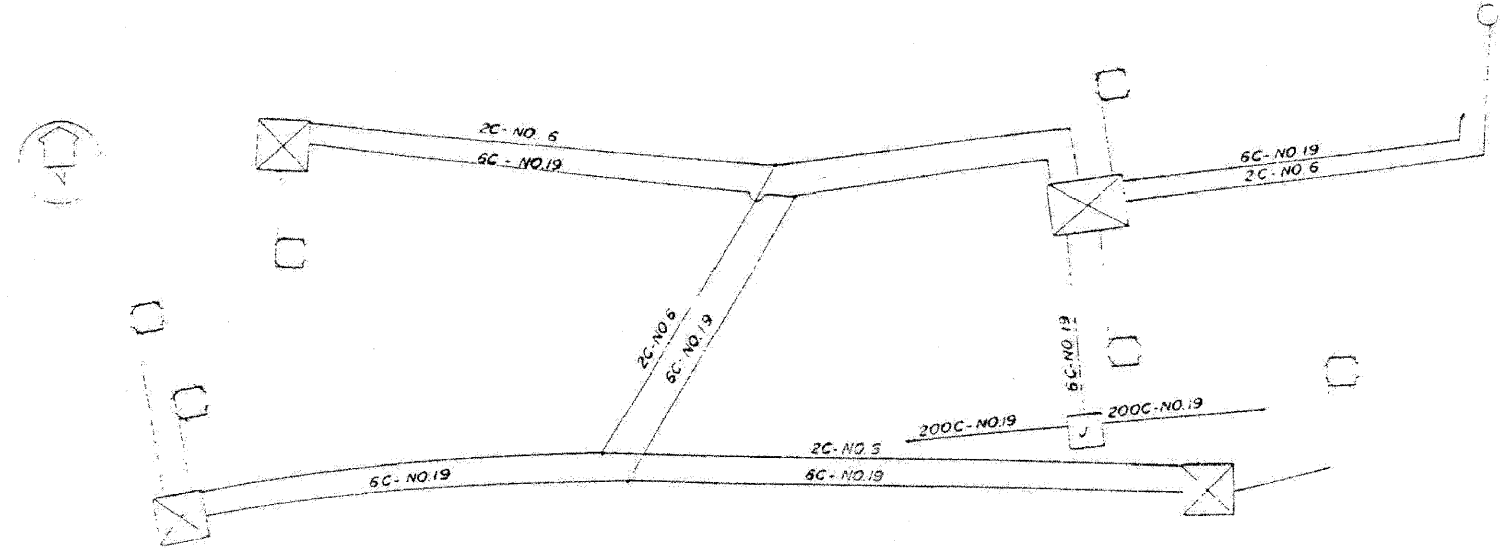
**TRAFFIC SURVEILLANCE  
ASHLAND BLVD INSTALLATION**

SCALE: N.T.S. SHEET NO. 3 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-8)	COOK	201	161
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	

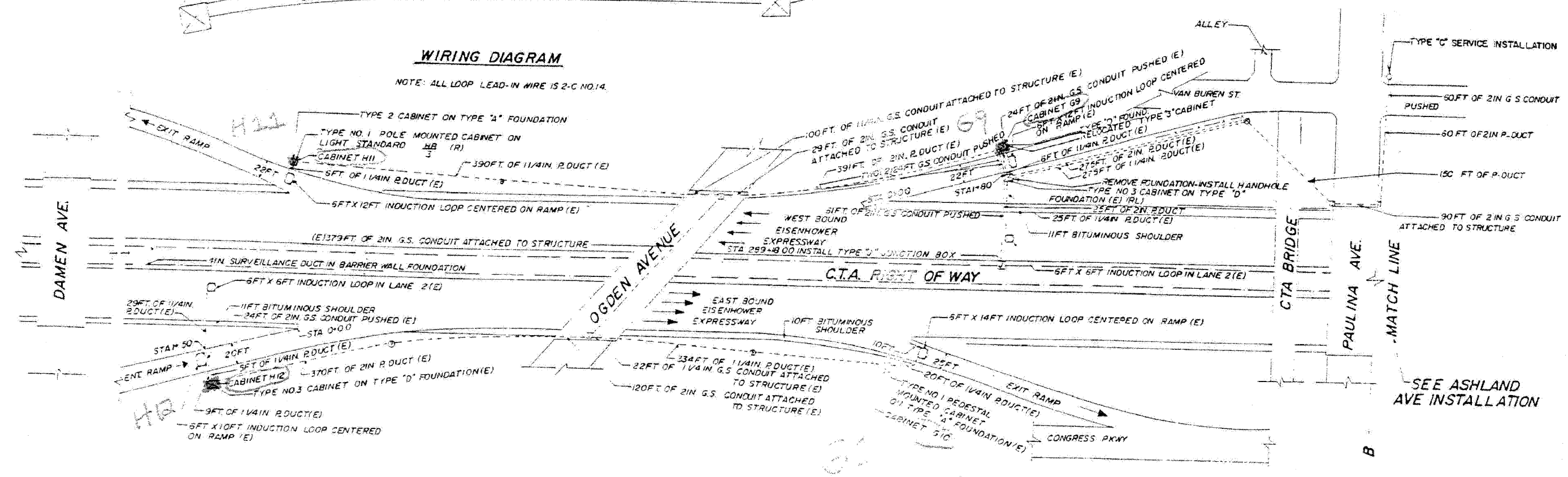
SUMMARY OF QUANTITIES (THIS SHEET)		
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	LF	108
INDUCTION LOOP	LF	263

**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.



**WIRING DIAGRAM**

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



**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

FILE NAME =	DESIGNED - GHT	REVISED -
...\\signals\proj\ABC_C3_ts_07.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
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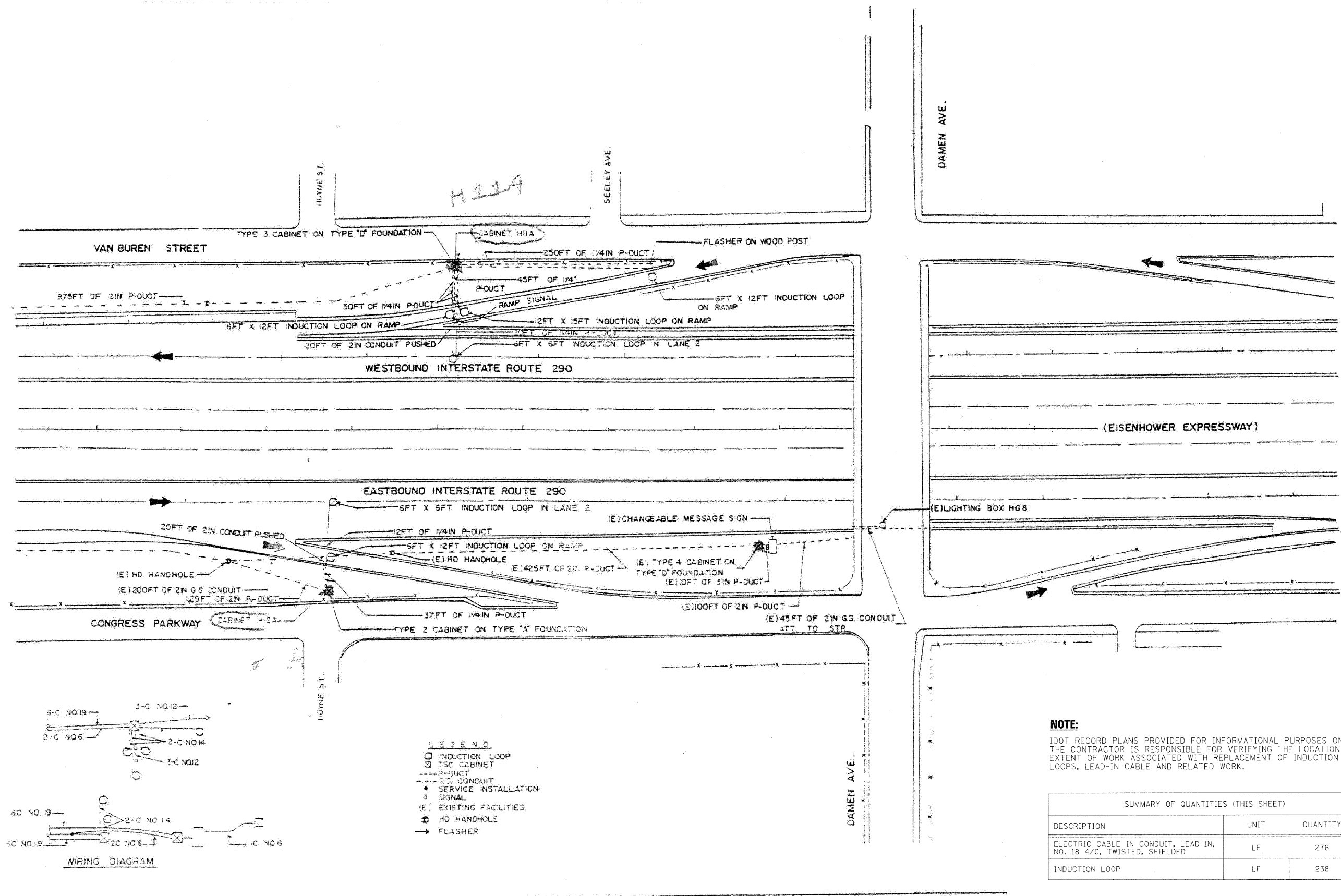
**benesch**

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE  
 DAMEN AVE AND PAULINA ST INSTALLATION**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	162
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SCALE: N.T.S. SHEET NO. 4 OF 23 SHEETS STA. TO STA.



**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

FILE NAME =	DESIGNED - GHT	REVISED -
...\\Signal\ppp\in.ABC.C3.ta.08.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

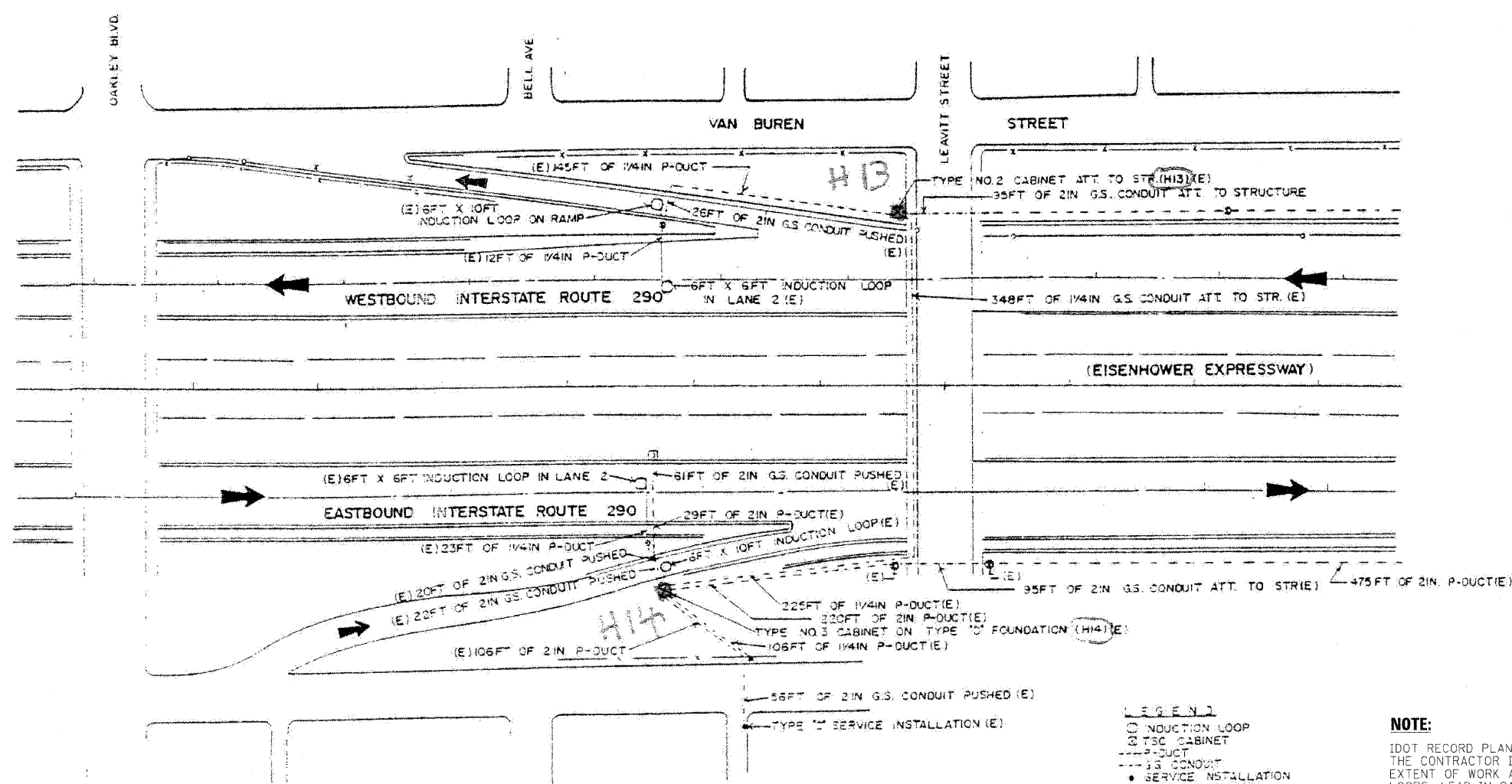
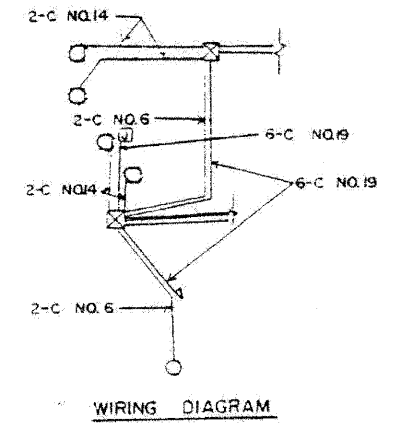
**benesch**

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SURVEILLANCE    DAMEN AVE INSTALLATION</b>		
SCALE: N.T.S.	SHEET NO. 5 OF 23 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	163
CONTRACT NO. 60K11				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				





- LEGEND**
- (O) INDUCTION LOOP
  - (C) TSC CABINET
  - P-DUCT
  - G.S. CONDUIT
  - SERVICE INSTALLATION
  - 1/8T CONNECTION
  - JUNCTION BOX
  - PULL POINT
  - (R) REM. & REPLACE
  - (C) H.O. 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

FILE NAME =	DESIGNED - GHT	REVISED -
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

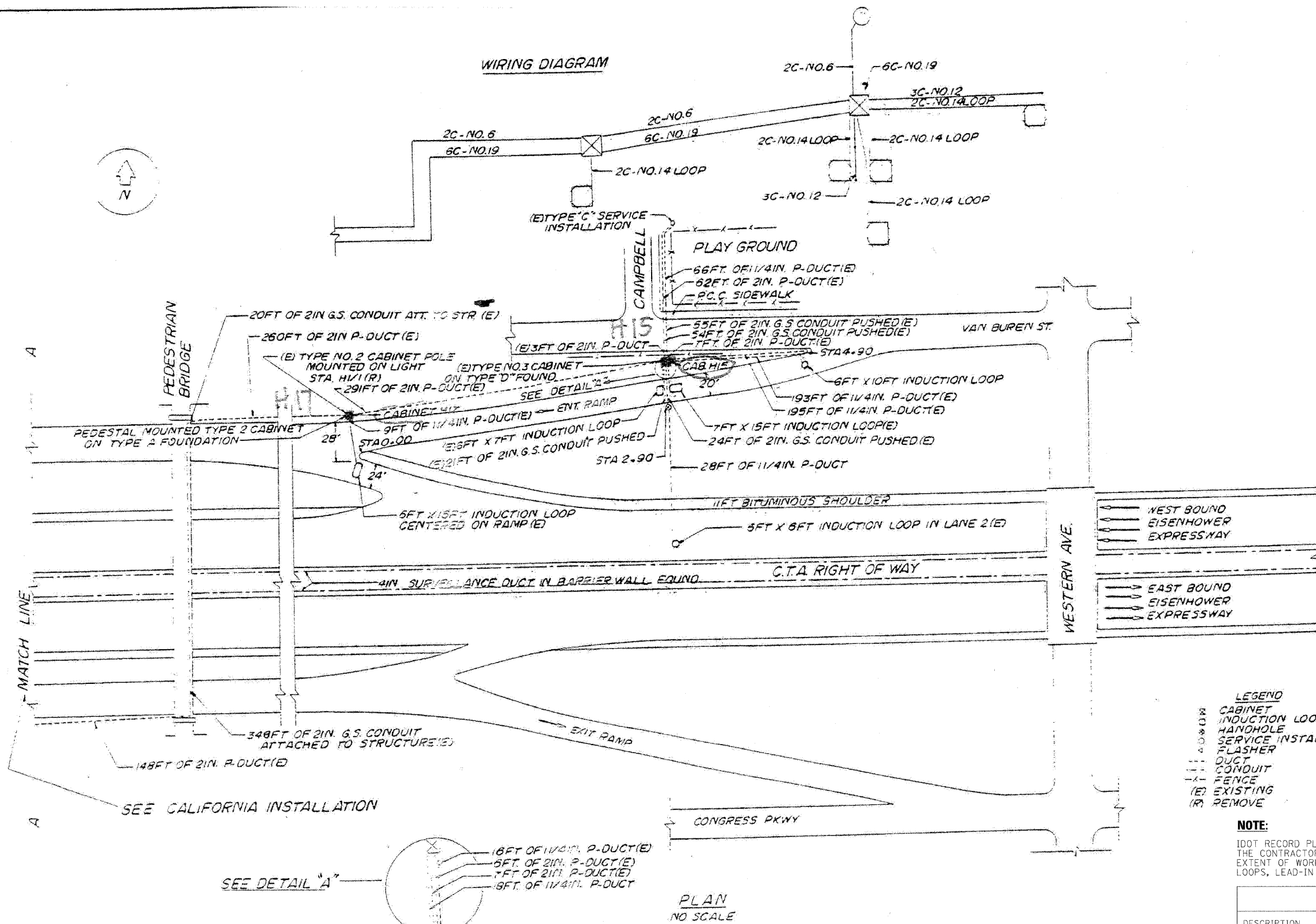
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE  
 OAKLEY BLVD INSTALLATION**

SCALE: N.T.S. SHEET NO. 6 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-8)	COOK	201	164
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60K11				

**WIRING DIAGRAM**



- LEGEND**
- CABINET
  - INDUCTION LOOP
  - HANDHOLE
  - SERVICE INSTALLATION
  - FLASHER
  - DUCT
  - CONDUIT
  - - - 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

FILE NAME =	DESIGNED - GHT	REVISED -
...:\Signal\corpin_abc_c3_ts_10.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

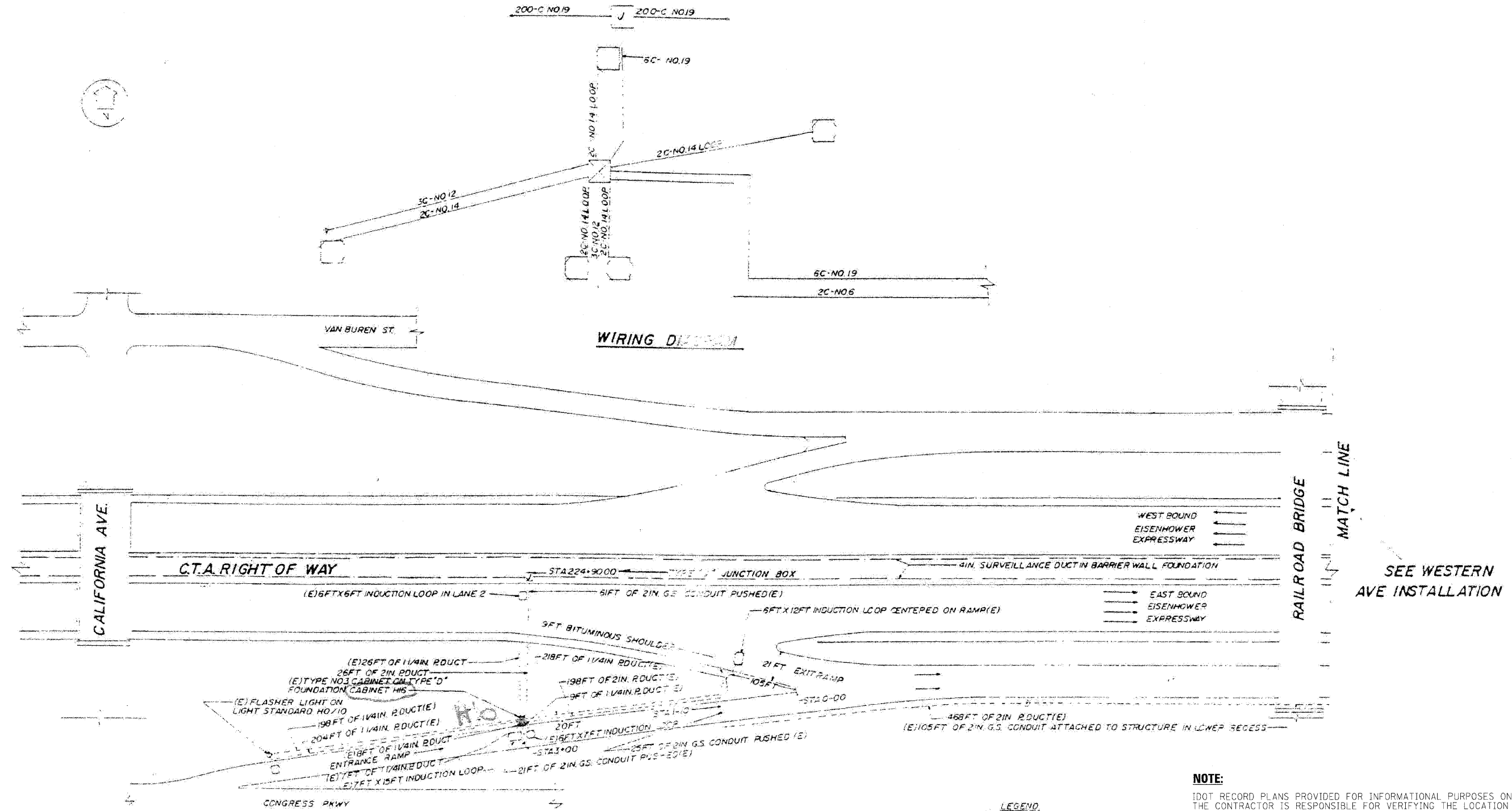
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE  
 WESTERN AVE INSTALLATION**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-B)	COOK	201	165
CONTRACT NO. 60K11				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET NO. 7 OF 23 SHEETS STA. TO STA.

PLAN  
 NO SCALE



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

FILE NAME =	DESIGNED - GHT	REVISED -
...:\Signals\prp\in_A3C_C3_to_11.dgn	DRAWN - DMS	REVISED -
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

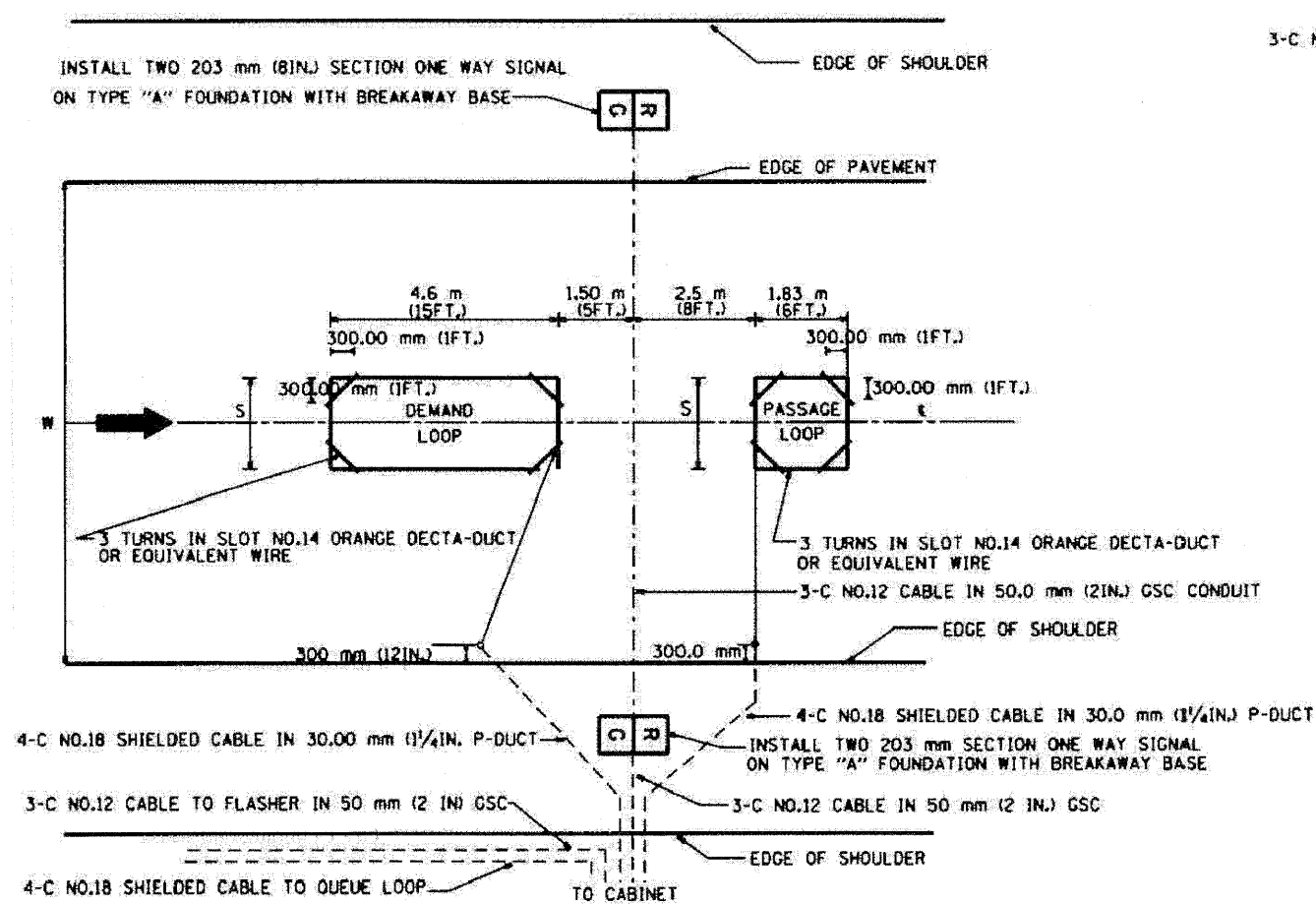
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SURVEILLANCE  
 CALIFORNIA AVE INSTALLATION**

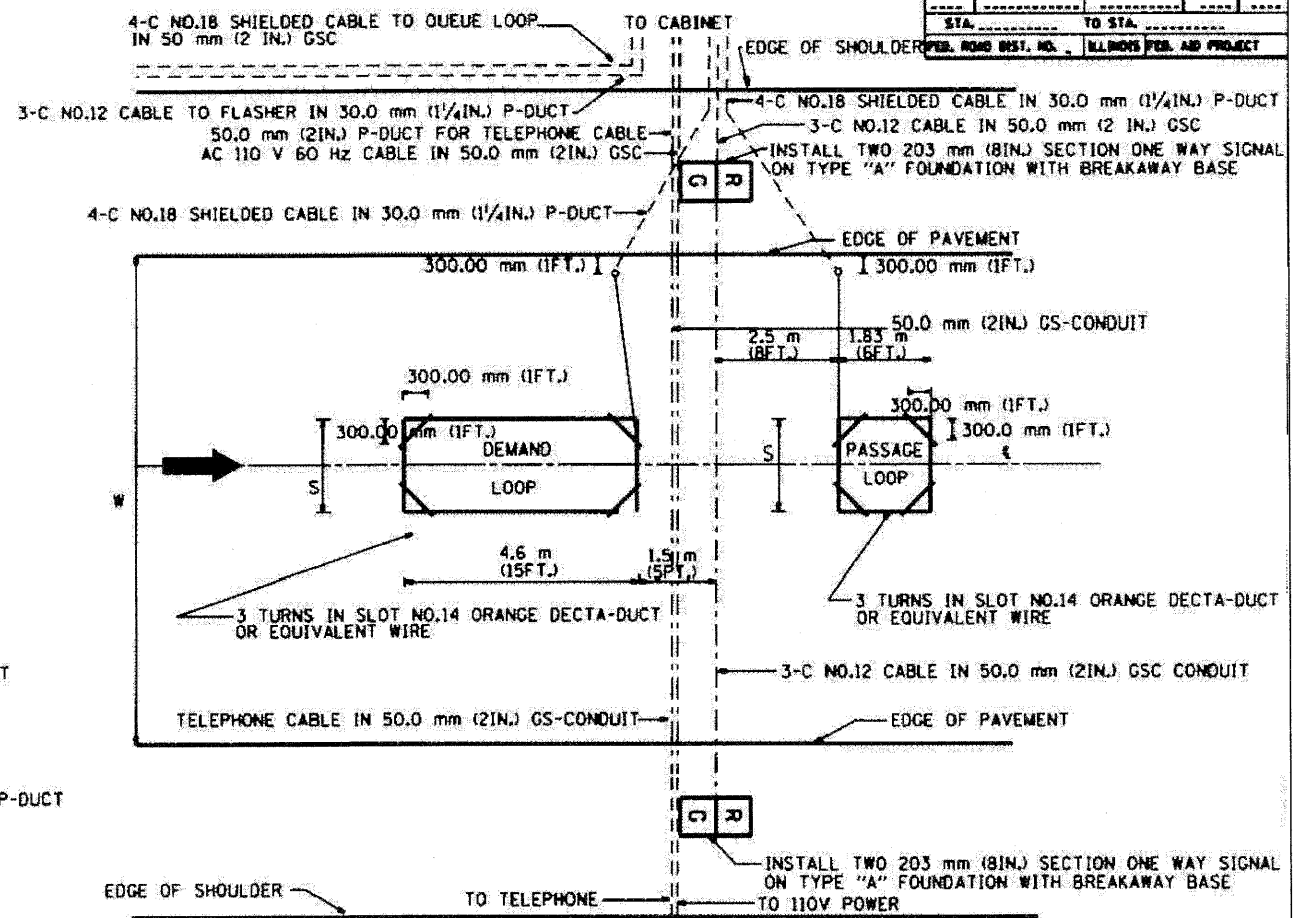
SCALE: N.T.S. SHEET NO. 8 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	166
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	167
STA. TO STA.		ILLINOIS FED. AID PROJECT		

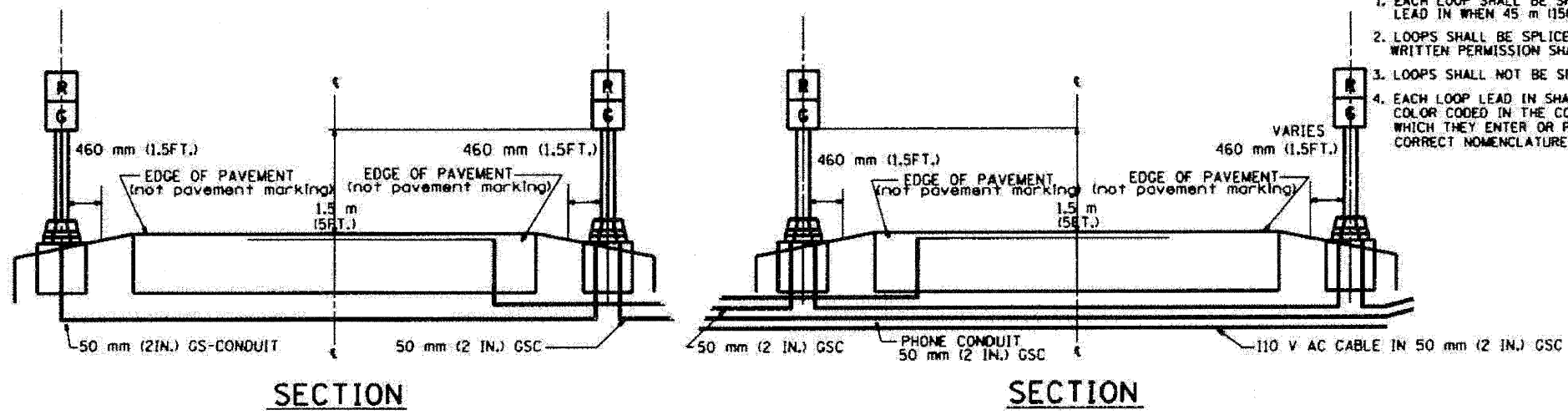


TYPICAL SIGNAL AND LOOP LAYOUT (TYPE I)



TYPICAL SIGNAL AND LOOP LAYOUT (TYPE II)

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



SECTION

SECTION

- 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.

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
NO.	DATE	
		<b>TYPICAL RAMP METERING INSTALLATION TYPE I &amp; II</b> (FOR RAMP WITHOUT CURBS & CUTTERS)  SCALE: VERT. NONE HORIZ. NONE DATE 6-22-94 DRAWN BY G.M. CHECKED BY R.L.

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

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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

benesch

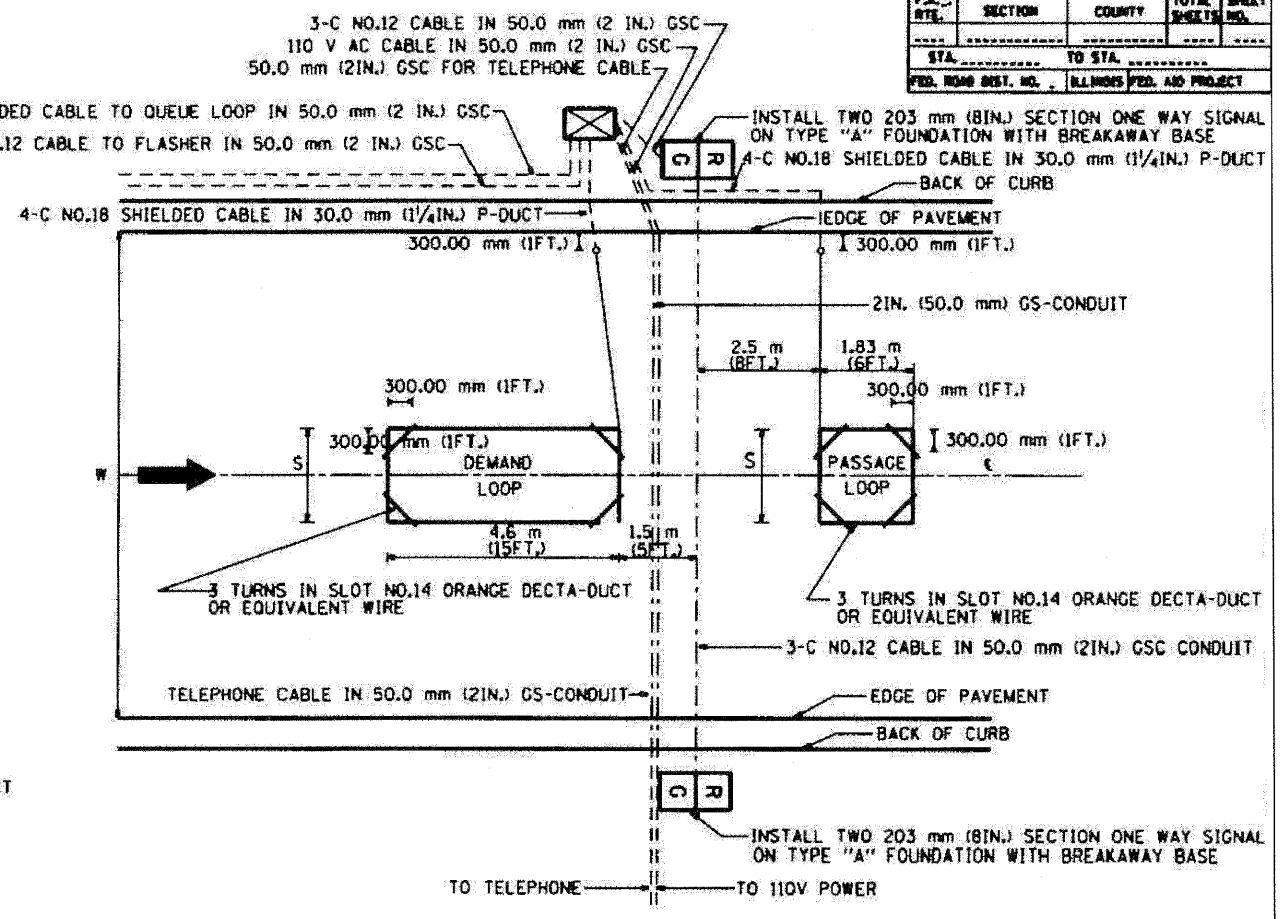
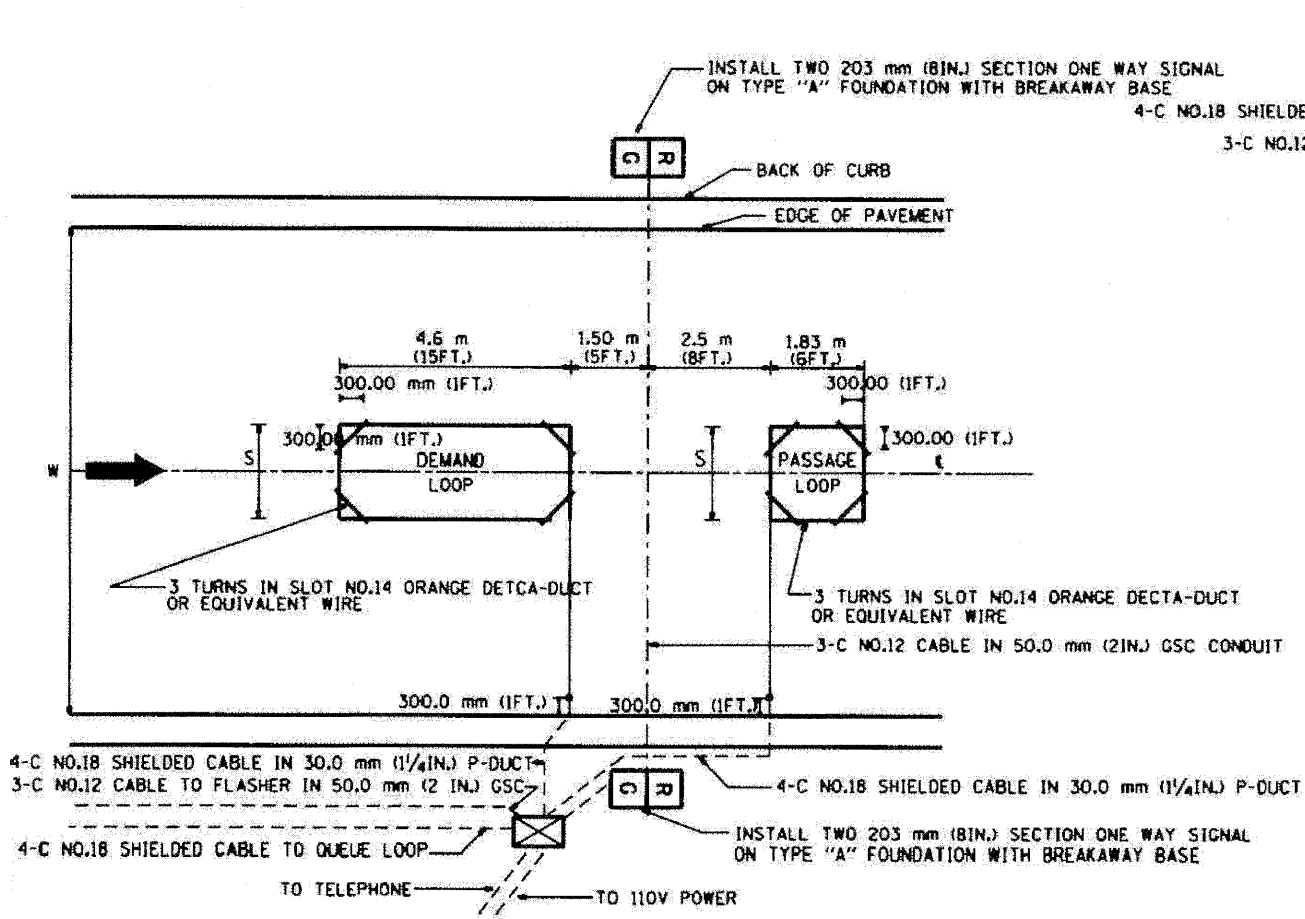
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER  
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 9 OF 23 SHEETS STA. TO STA.

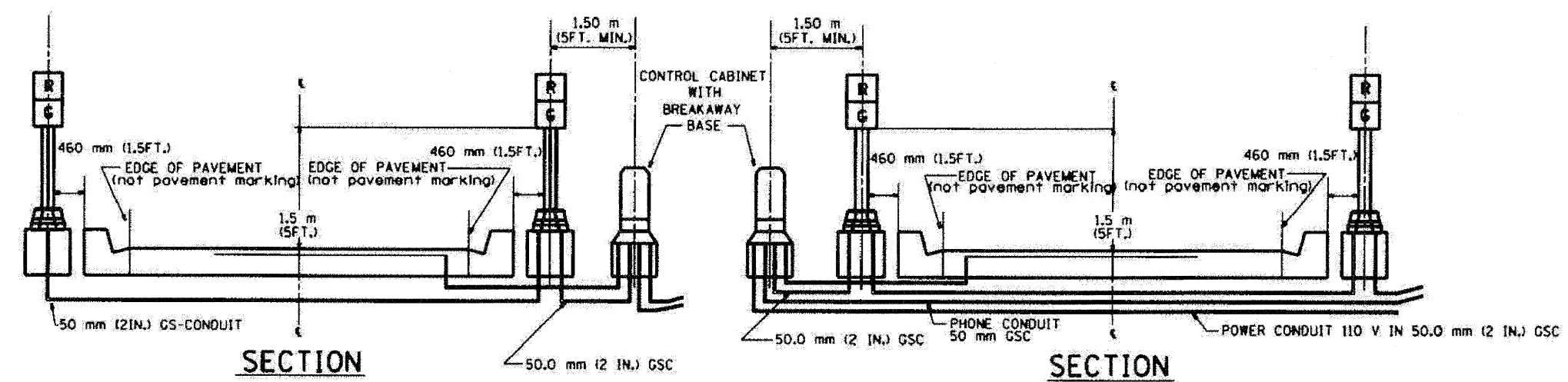
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	167
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 60K11		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	168
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
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150FT. (45 M) OR MORE FROM CABINET.
  2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
  3. LOOPS SHALL NOT BE SPLICED IN SERIES.
  4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THROUGH WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
NO.	DATE	
1.	6/94	TYPICAL RAMP METERING INSTALLATION TYPE I & II (WITH CURB & GUTTER)
2.	5/98	
3.	2/98	
SCALE: VERT. NONE		DRAWN BY G.M.
DATE 6-22-94		CHECKED BY R.L.

TRAFFIC SYSTEMS CENTER (TY-ITSC-400#2)

FILE NAME =	DESIGNED - GHT	REVISED -
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

benesch

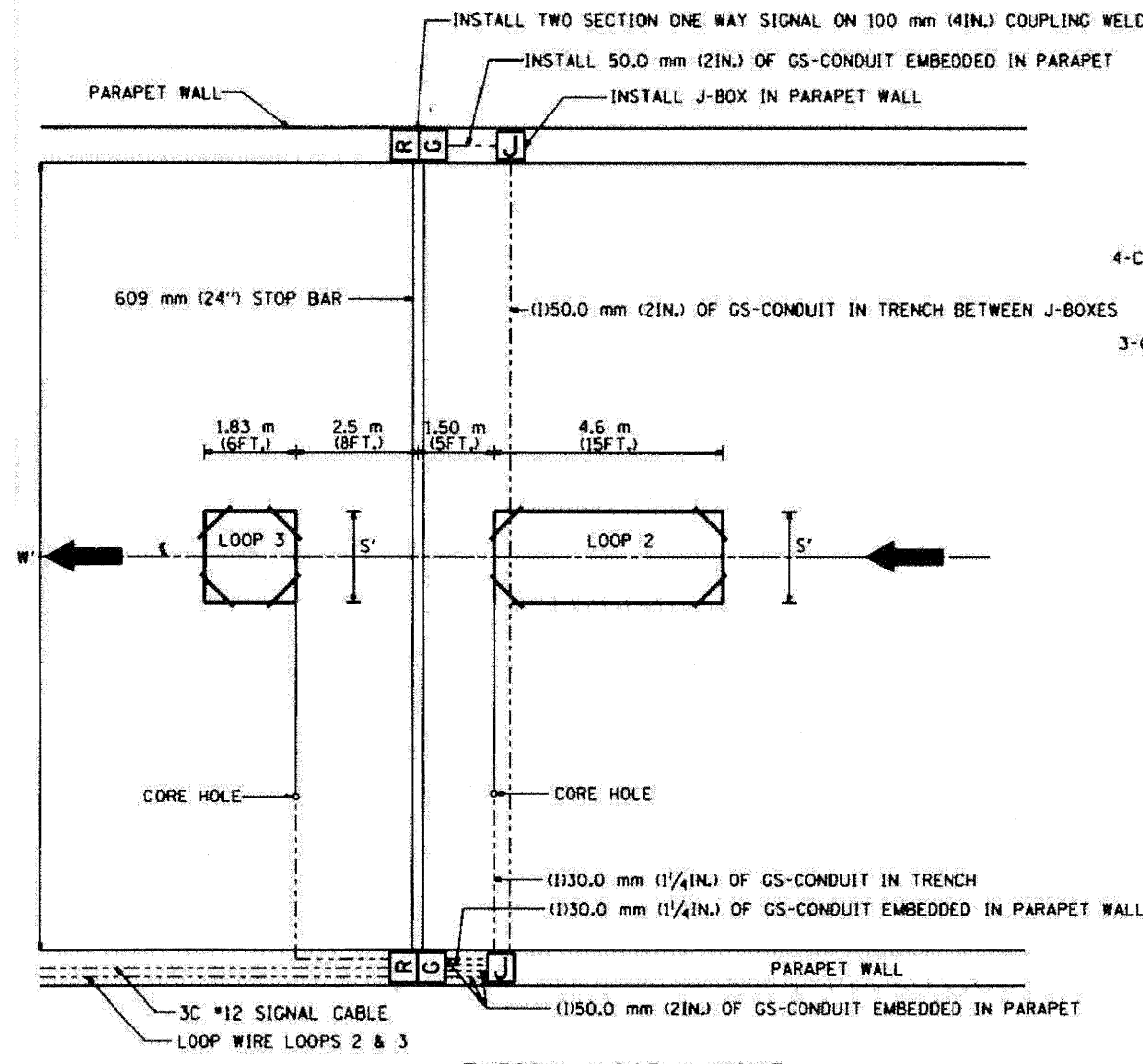
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER  
DETAIL SHEETS

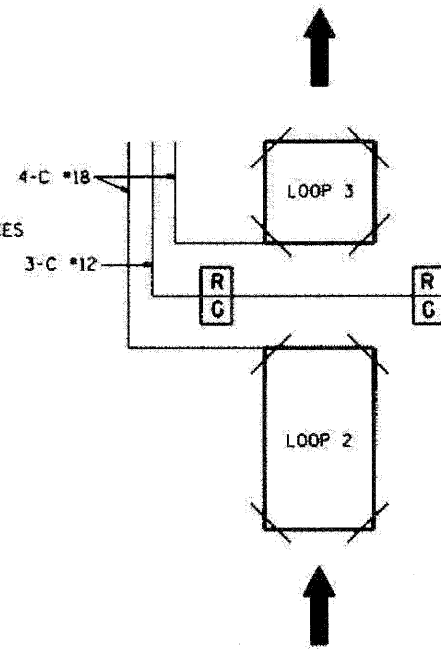
SCALE: N.T.S. SHEET NO. 10 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	168
ILLINOIS FED. AID PROJECT				

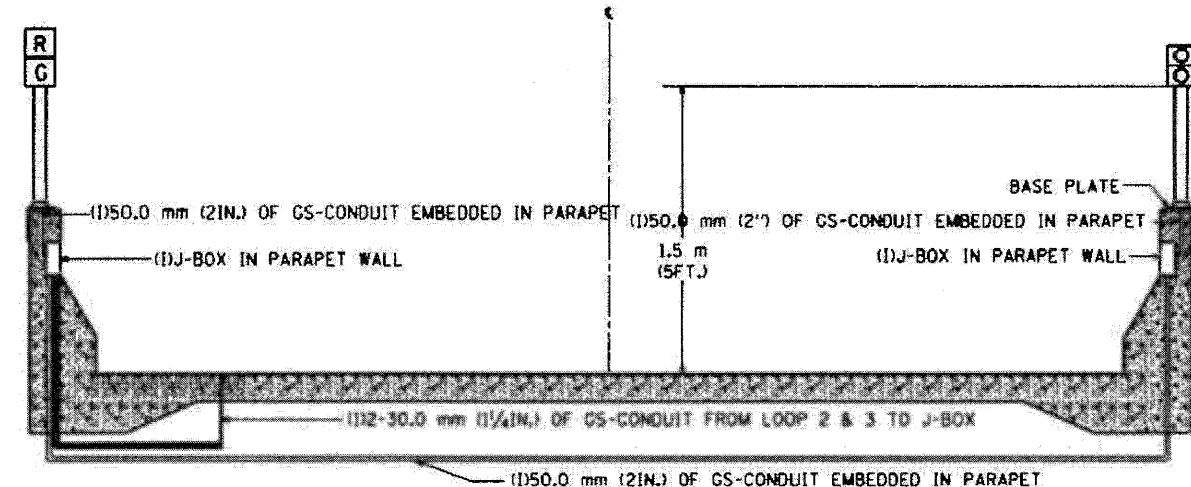
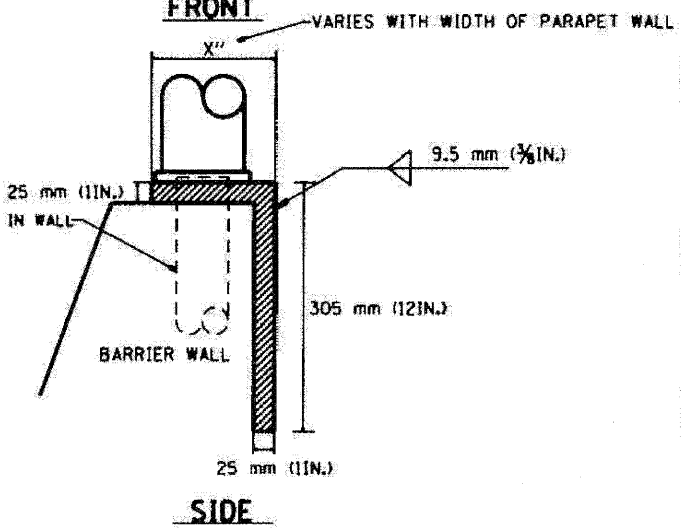
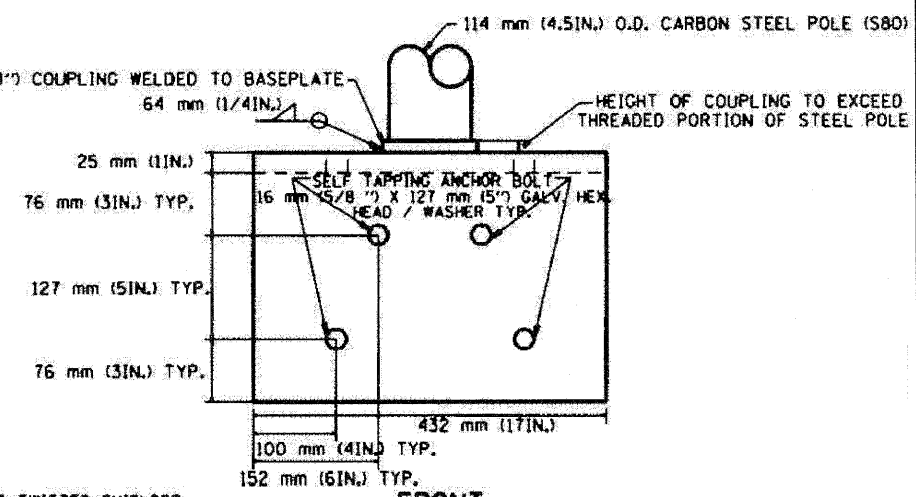
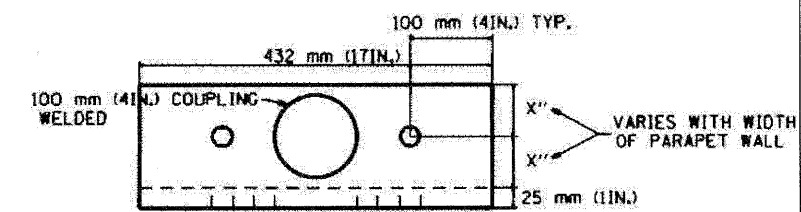
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**TYPICAL LOOP LAYOUT**



- 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.



**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
NAME	DATE	
R.L.	6/94	<b>TYPICAL RAMP METERING TYPE 3 BARRIER WALL INSTALLATION</b>
R.L.	2/96	
T.C.	9/96	
R.L.	2/98	
SCALE: VERT. NONE HORIZ. NONE	DATE 6-22-94	DRAWN BY G.M. CHECKED BY R.L.

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

FILE NAME =	DESIGNED - GHT	REVISED -
...\\ppp\in\ABC_C3_TS_DET_03.dgn	DRAWN - DMS	REVISED -
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PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

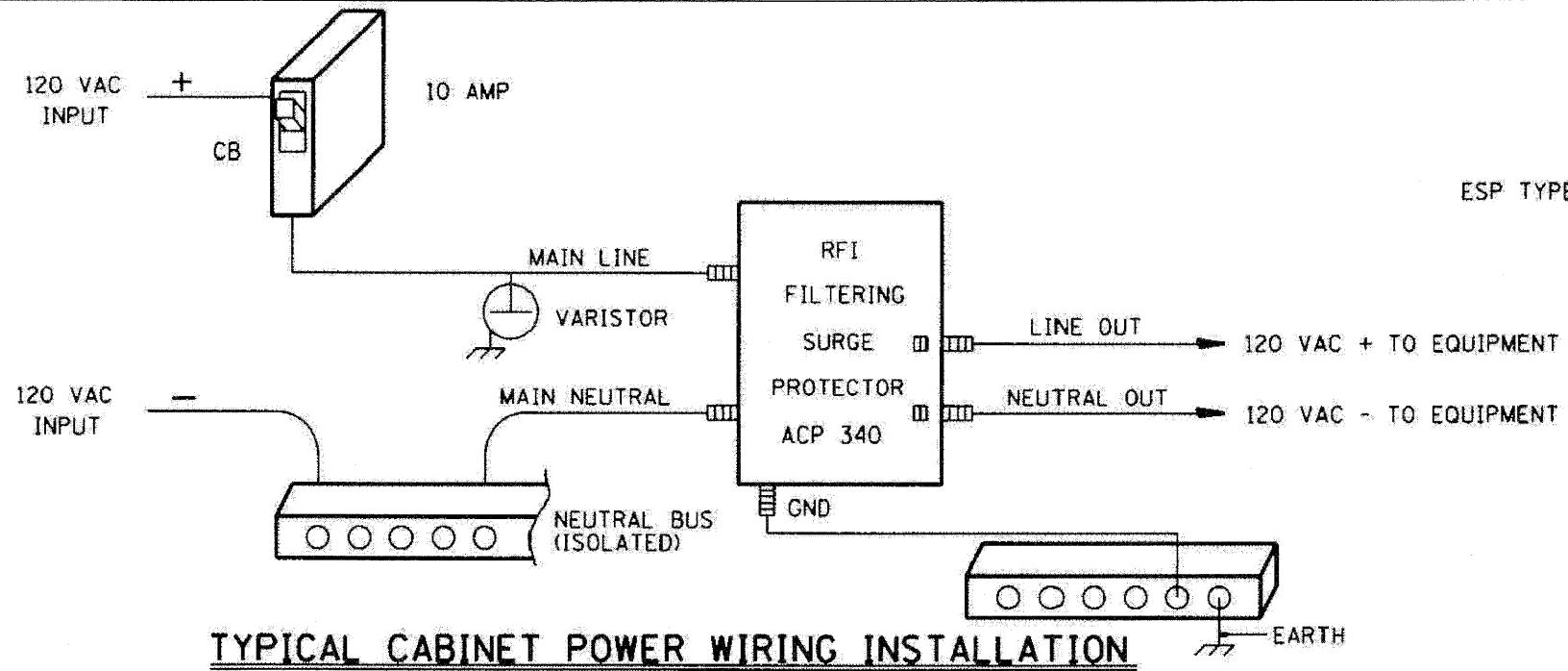
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SYSTEM CENTER  
DETAIL SHEETS**

SCALE: N.T.S. SHEET NO. 11 OF 23 SHEETS STA. TO STA.

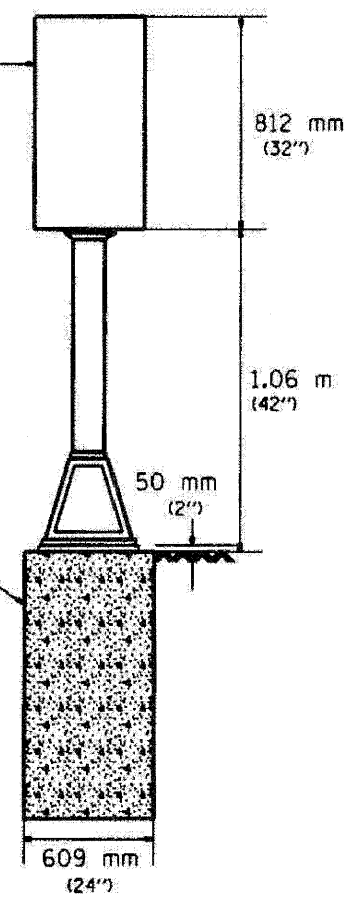
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-8	COOK	201	169
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
			CONTRACT NO. 60K11	

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

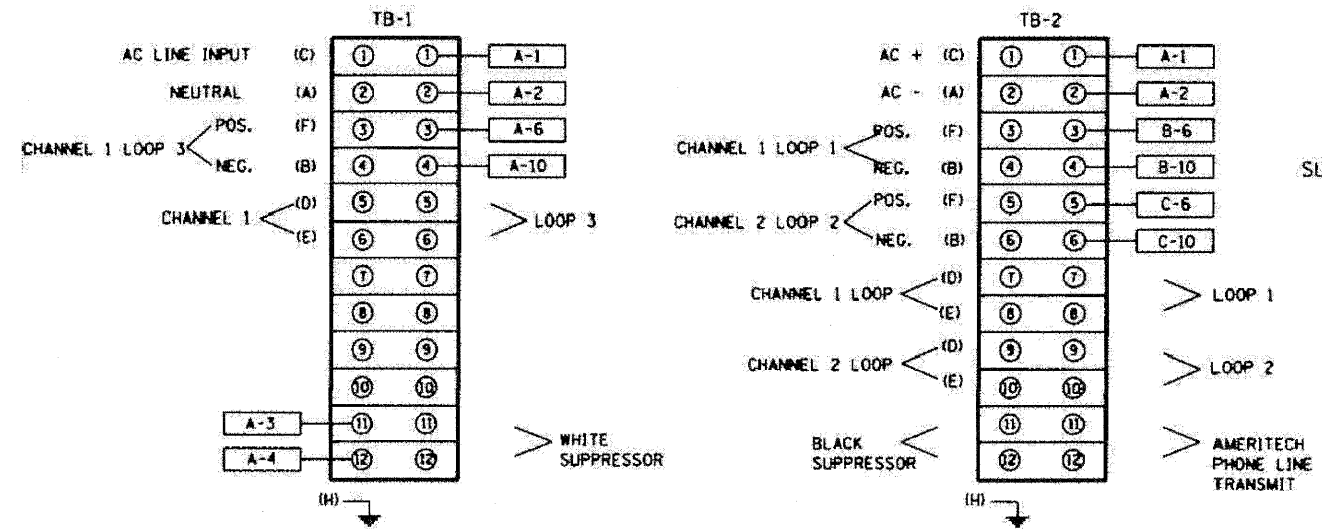
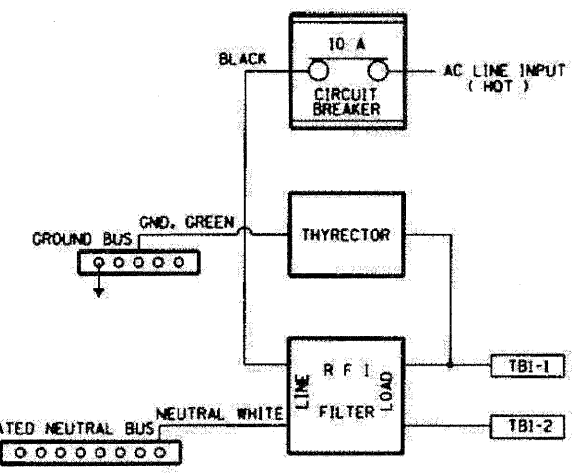
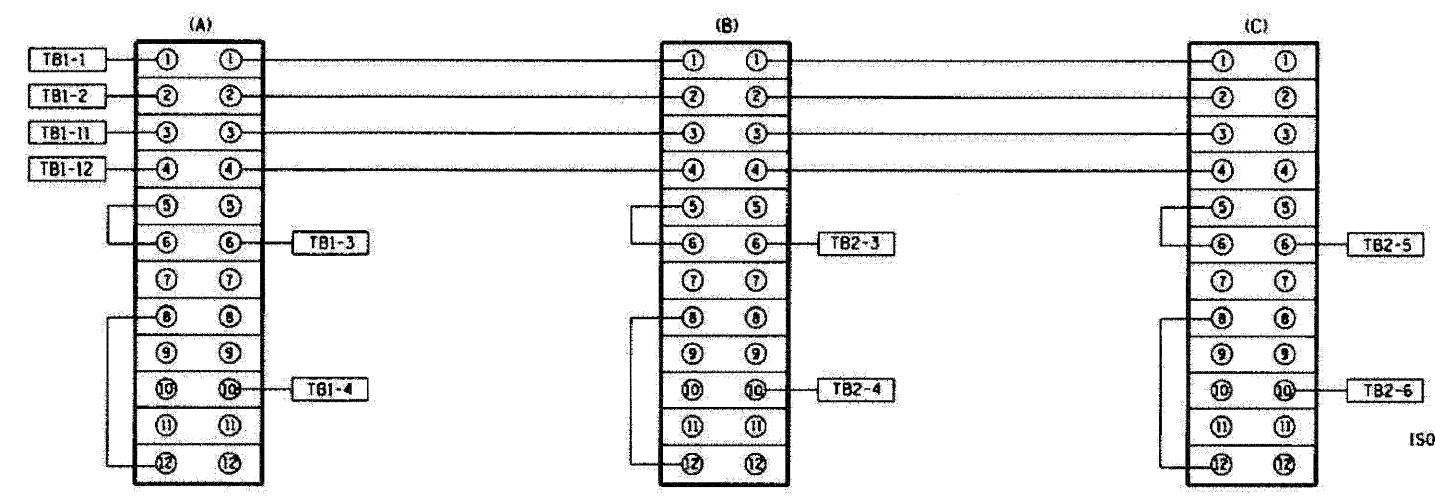


TYPICAL CABINET POWER WIRING INSTALLATION

ESP TYPE 2 CABINET PEDESTAL MOUNTED



TYPE 2 CABINET INSTALLATION



REVISIONS	
NO.	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER

### TYPE II CABINET WIRING

SCALE: VERT. NONE  
DATE: 6-21-94

DRAWN BY: G.M.  
CHECKED BY: T.C.

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

FILE NAME =	DESIGNED - GHT	REVISED -
...prpln_abc_c3_ts_det_84.dgn	DRAWN - DMS	REVISED -
USER NAME = jwojewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

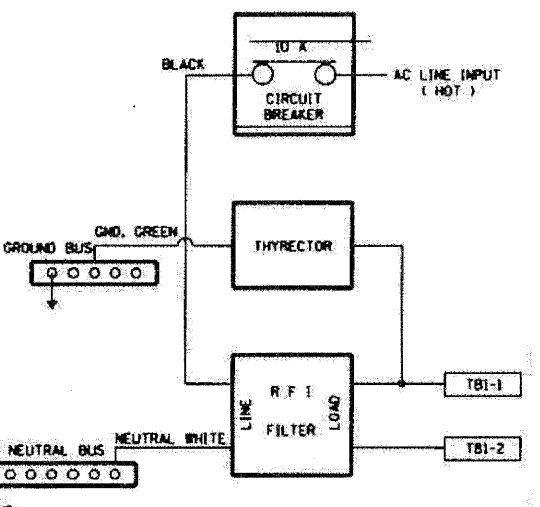
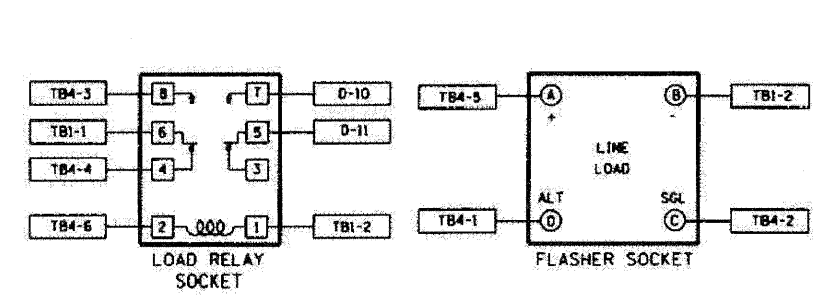
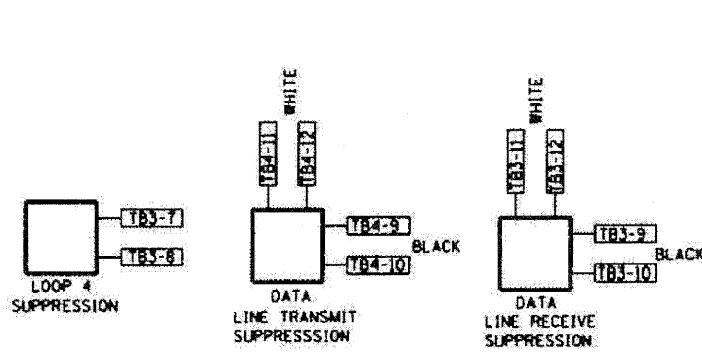
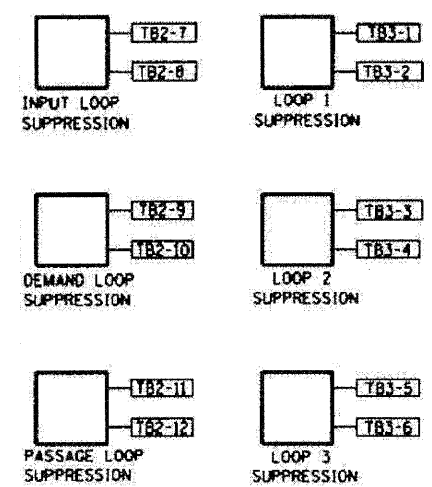
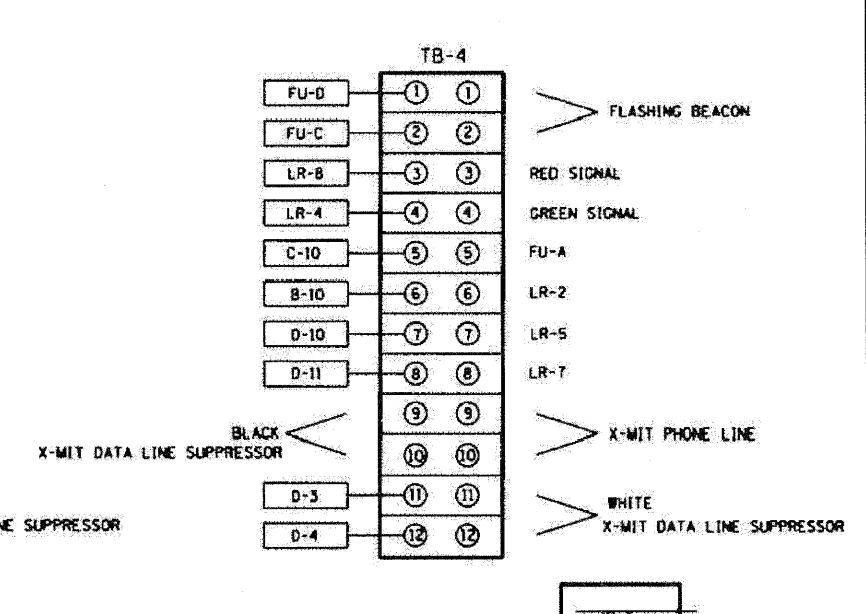
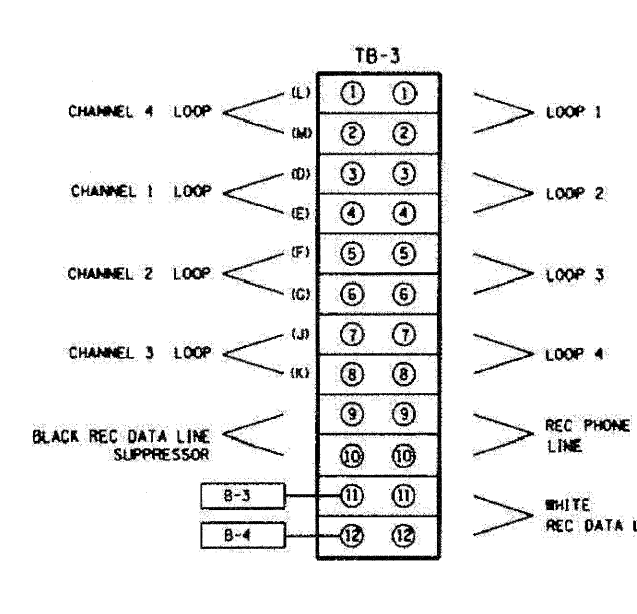
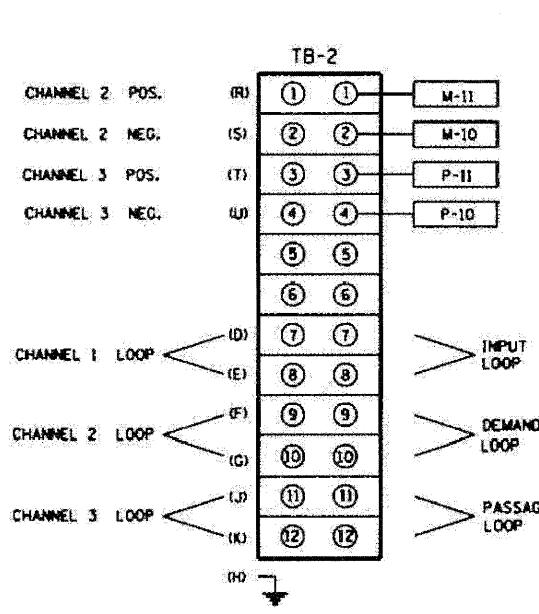
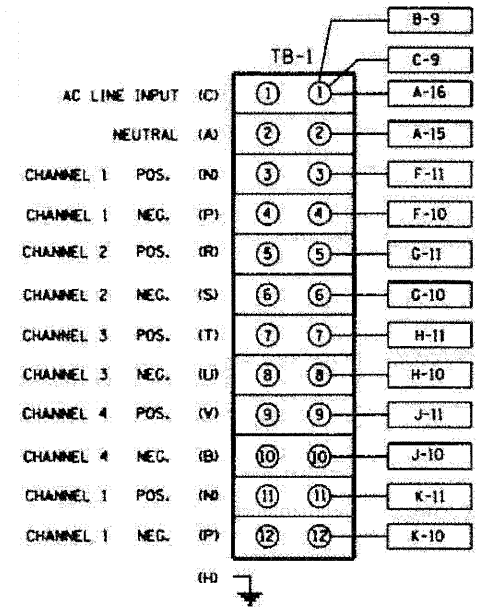
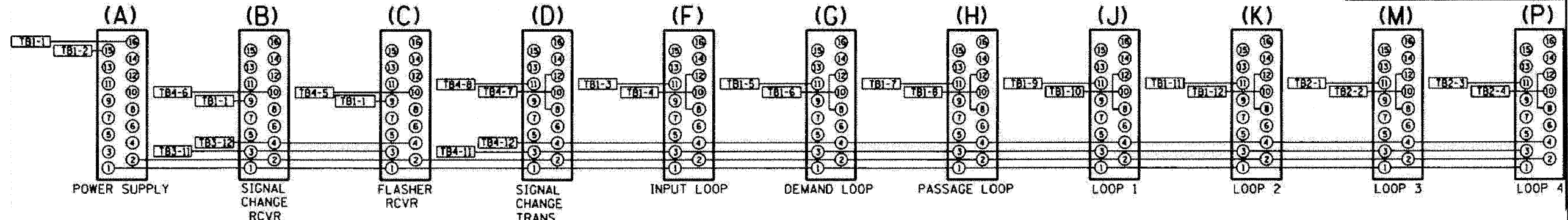
TRAFFIC SYSTEM CENTER  
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 12 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
290	(2525, ETC., 2727RS-8)	COOK	201	170
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
			CONTRACT NO. 60K11	

# 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.		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER <b>METERING CABINET WIRING DIAGRAM</b>	SCALE: VERT. NONE	DRAWN BY: G.M.
REVISIONS			DATE: 6/21/94	CHECKED BY: T.C.
NAME	DATE			
T.C.	6/94			
R.L.	3/95			
R.L.	5/95			

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

FILE NAME =	DESIGNED - GHT	REVISED -
...ppln_ABC_C3_TS_DET_05.dgn	DRAWN - DMS	REVISED -
USER NAME = jnojewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER  
DETAIL SHEETS

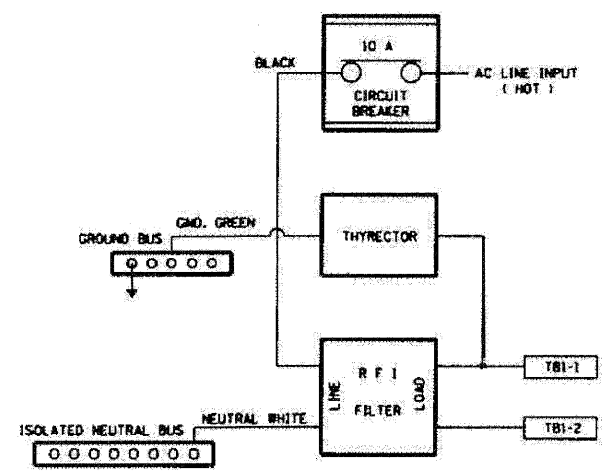
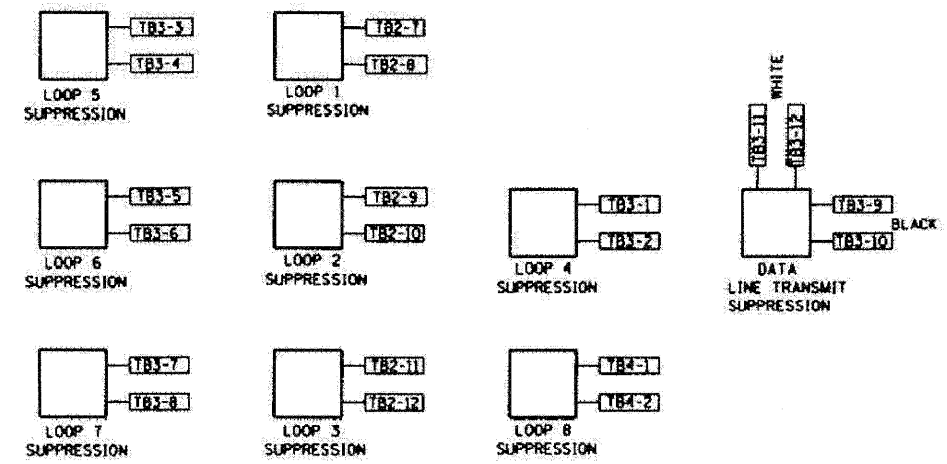
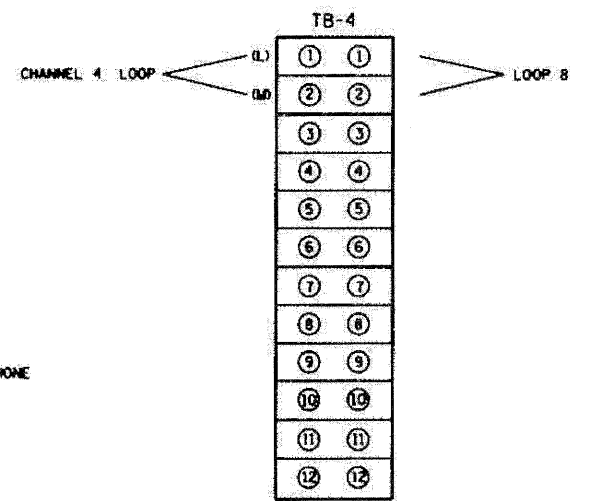
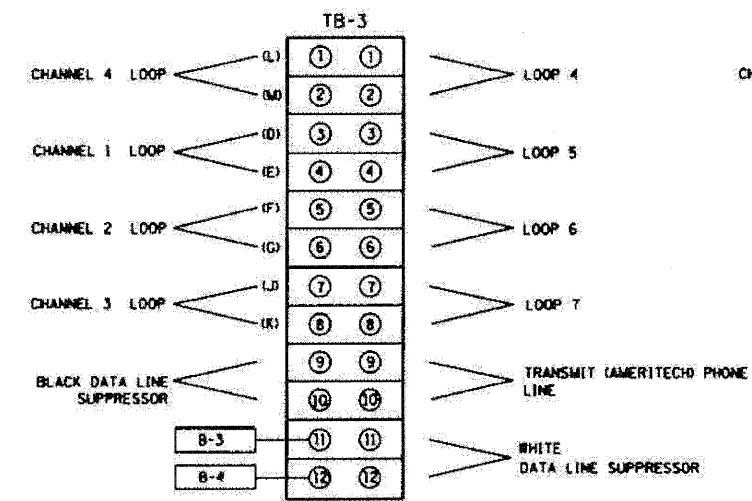
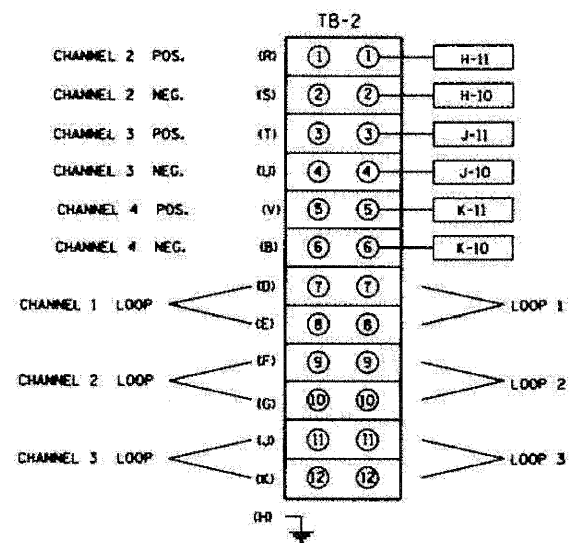
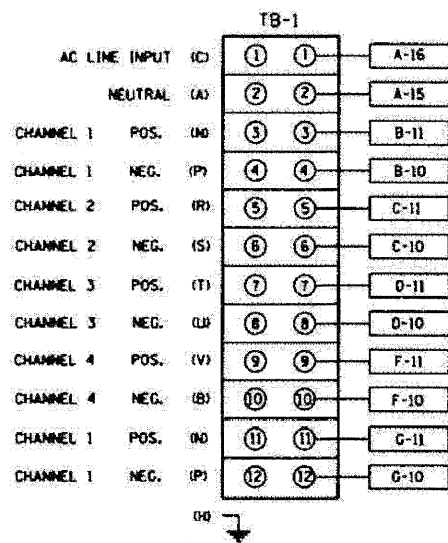
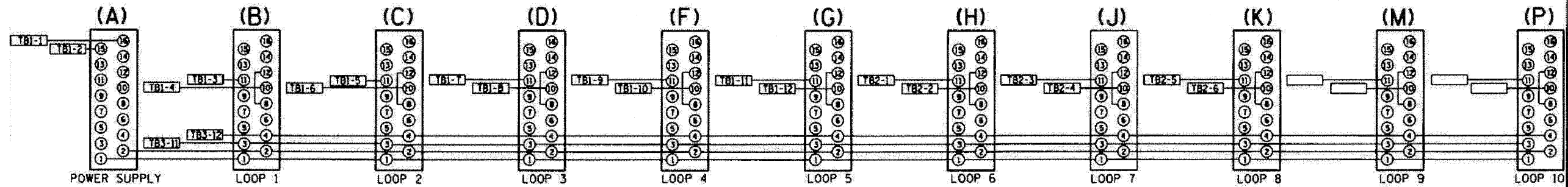
SCALE: N.T.S. SHEET NO. 13 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-B)	COOK	201	171
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.		201	172
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

BACK VIEW OF TONE RACK



CABINET NO.		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	
TYPE 3 CABINET WIRING DIAGRAM		DRAWN BY G.M. CHECKED BY R.L.	
SCALE: NONE	DATE: 10/17/85	CONTRACT NO. 60K11	

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

FILE NAME =	DESIGNED - GHT	REVISED -
...prpIn-ABC_C3_TS_DET_06.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -

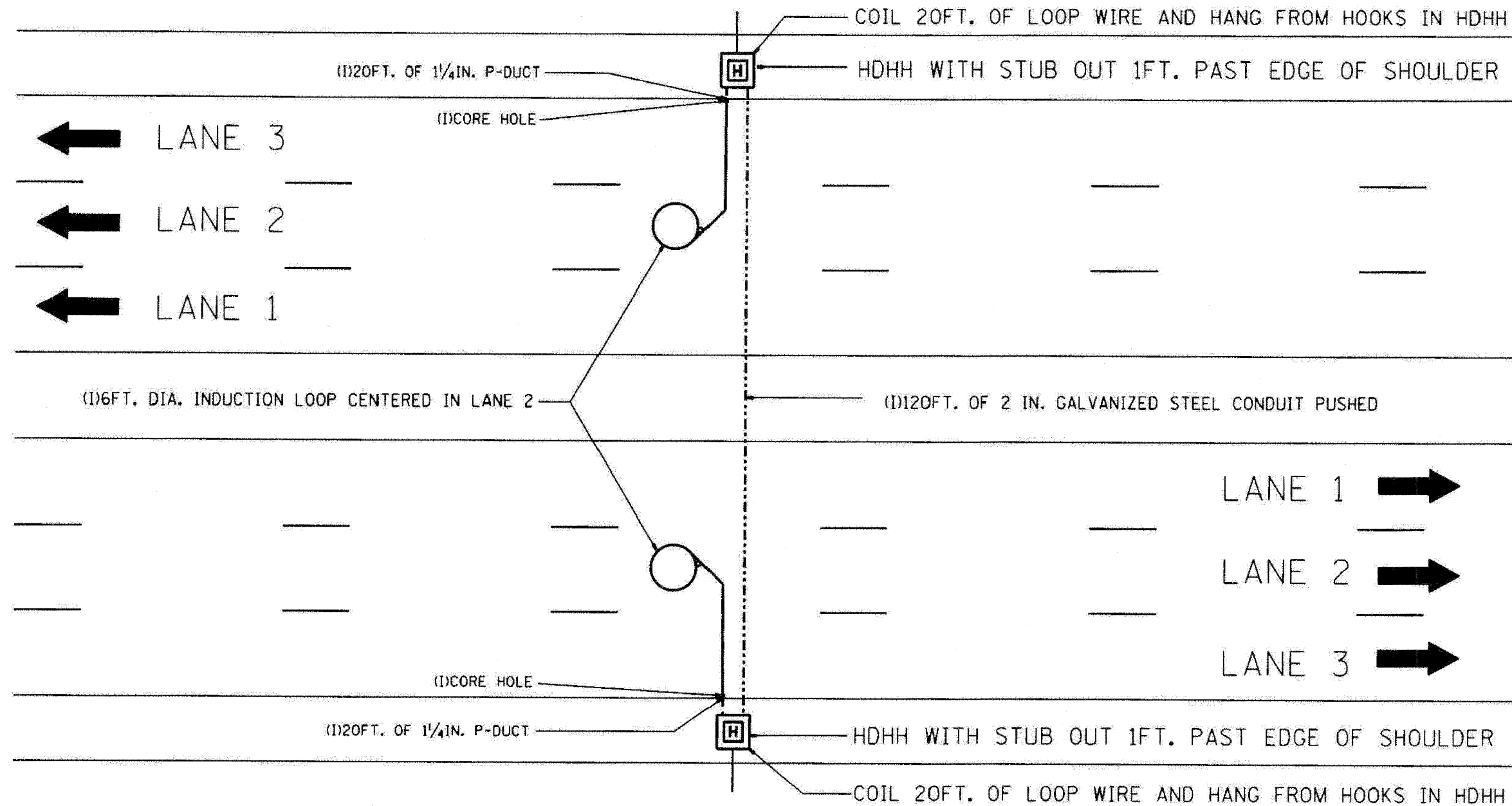
benesch

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER DETAIL SHEETS	
SCALE: N.T.S.	SHEET NO. 14 OF 23 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	172
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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	
NO.	DATE		

ONE LANE COUNT STATION

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

DRAWN BY G.M.  
CHECKED BY J.G.

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

FILE NAME =	DESIGNED - GHT	REVISED -
...\\prpln_abc_c3_ts_det_07.dgn	DRAWN - DMS	REVISED -
USER NAME = jmojewsk	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

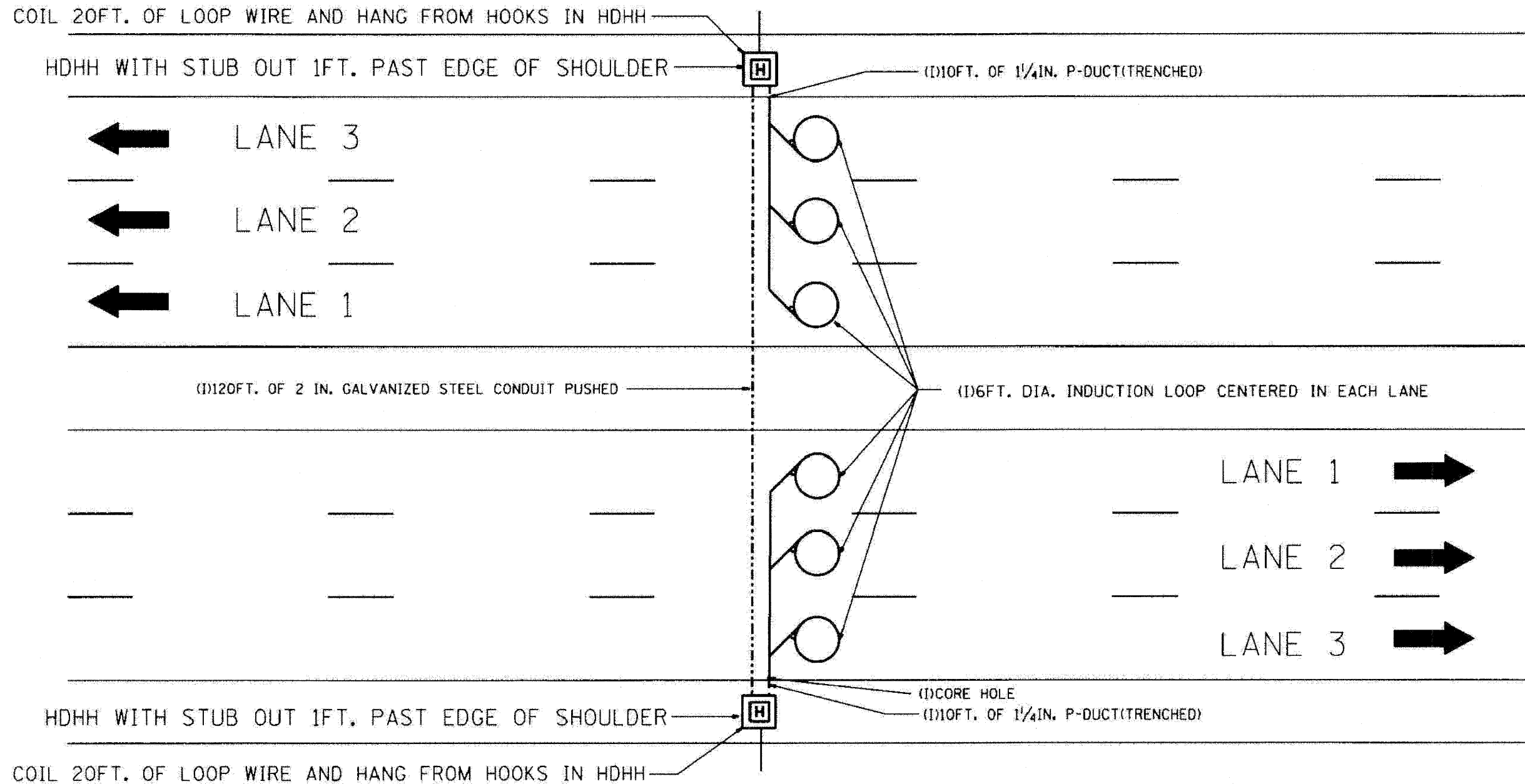
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SYSTEM CENTER DETAIL SHEETS	
SCALE: N.T.S.	SHEET NO. 15 OF 23 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	173
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60K11		

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.

REVISES		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		3 LANE COUNT STATION
SCALE: VERT. NONE HORIZ. _____	DATE 01-31-07	DRAWN BY G.J. CHECKED BY J.G.

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

FILE NAME =	DESIGNED - GHT	REVISED -
\\prodn.abc.c3.ts.det.08.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

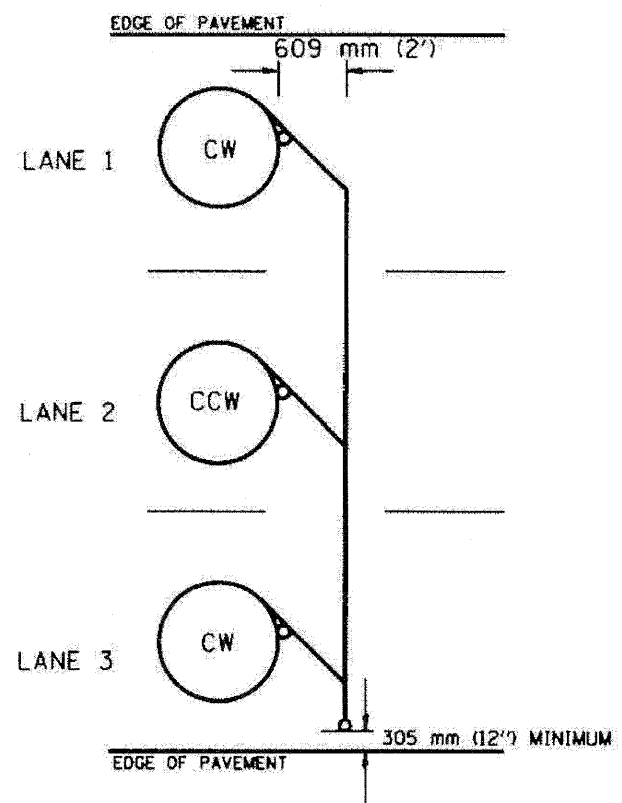
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SYSTEM CENTER  
DETAIL SHEETS**

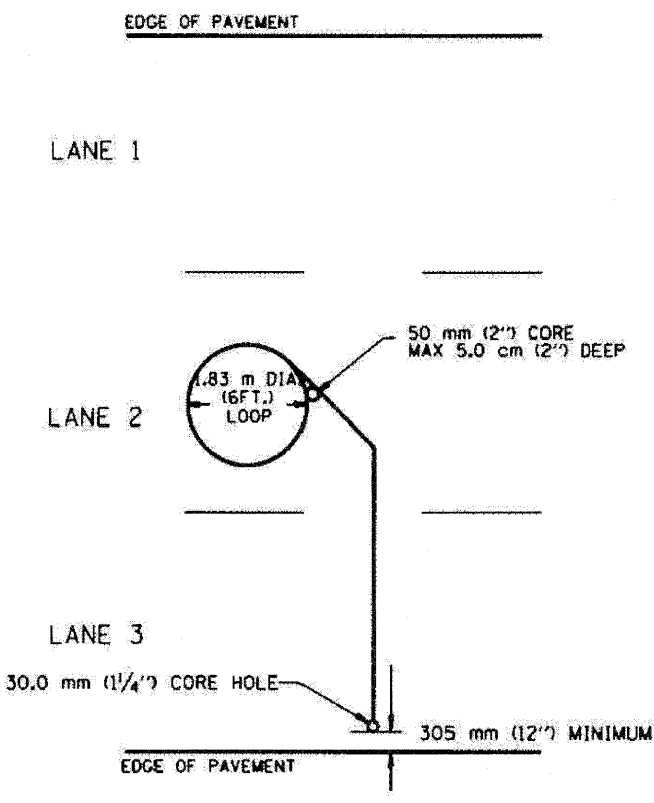
SCALE: N.T.S. SHEET NO. 16 OF 23 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	174
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

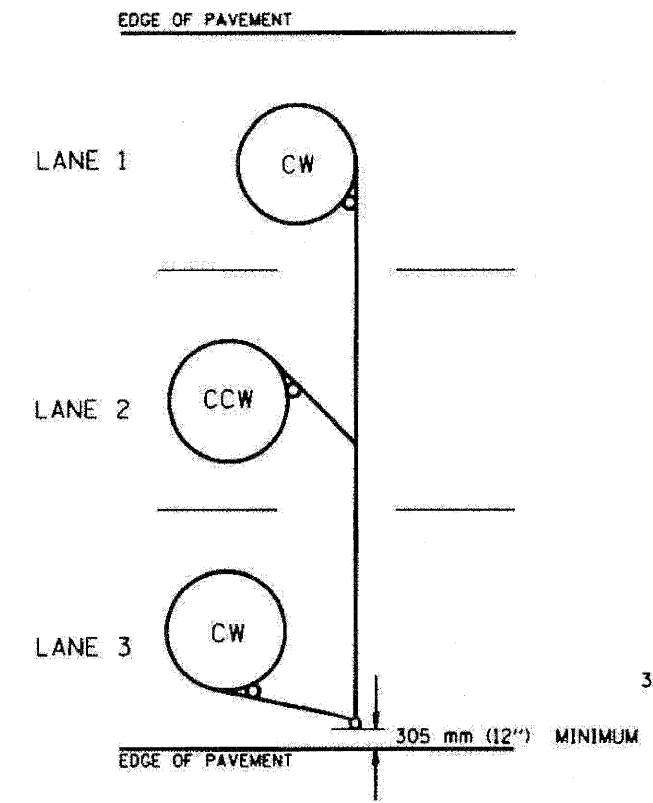
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT			



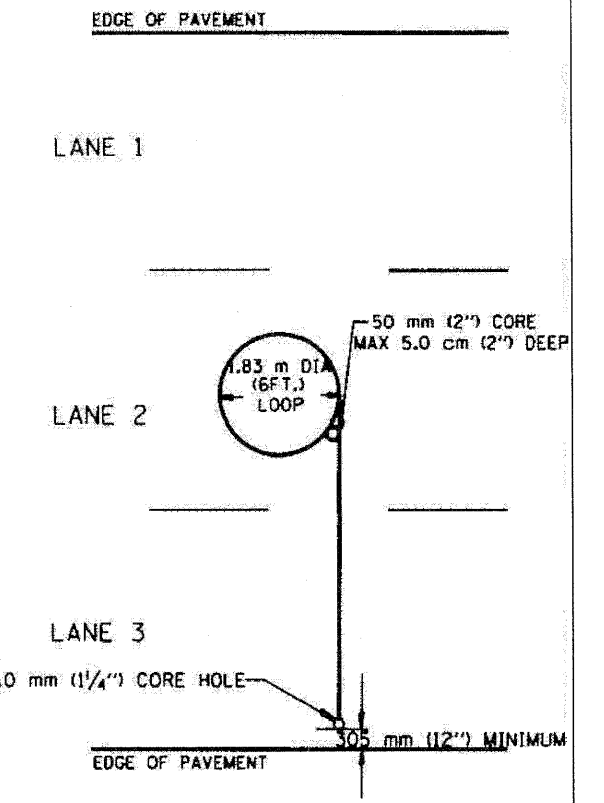
TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL  
LAYOUT FOR MULTIPLE LANE ROADWAY



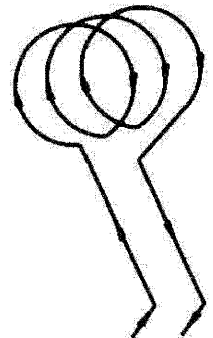
TYPICAL 1.83 m (6') DIA. INDUCTION LOOP  
LAYOUT FOR LANE 2



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.

REVISED		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	TRAFFIC SYSTEMS CENTER	
R.L.	6/14	EXISTING ROUND LOOP	
T.C.	8/16	INSTALLATION	
		SCALE: VERT. NONE	DRAWN BY: G.M.
		DATE: 6-22-94	CHECKED BY: R.L.

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

FILE NAME =	DESIGNED - GHT	REVISED -
...prpln_abc_c3_ts_det_09.dgn	DRAWN - DMS	REVISED -
USER NAME = jnajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

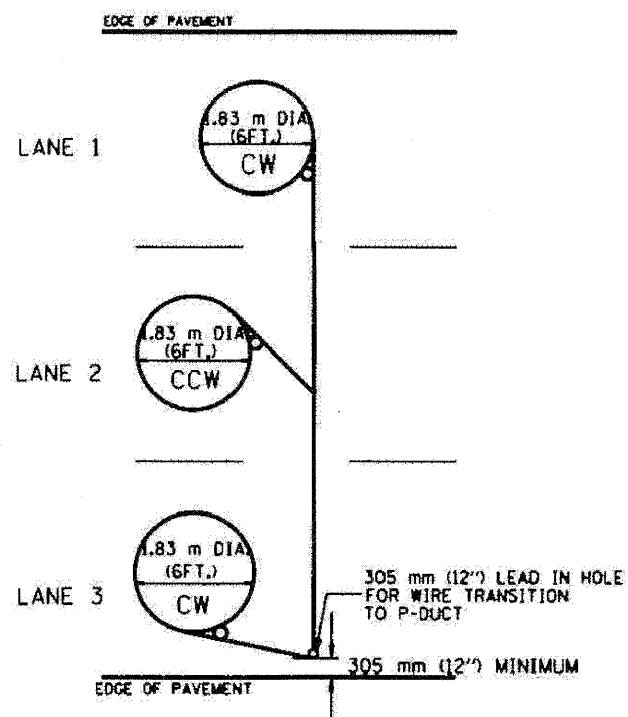
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

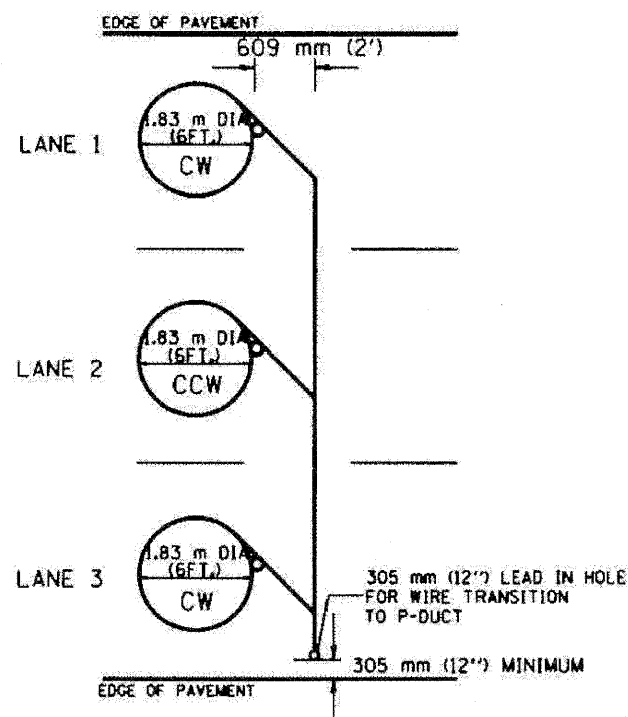
TRAFFIC SYSTEM CENTER DETAIL SHEETS	
SCALE: N.T.S.	SHEET NO. 17 OF 23 SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	175
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60K11		

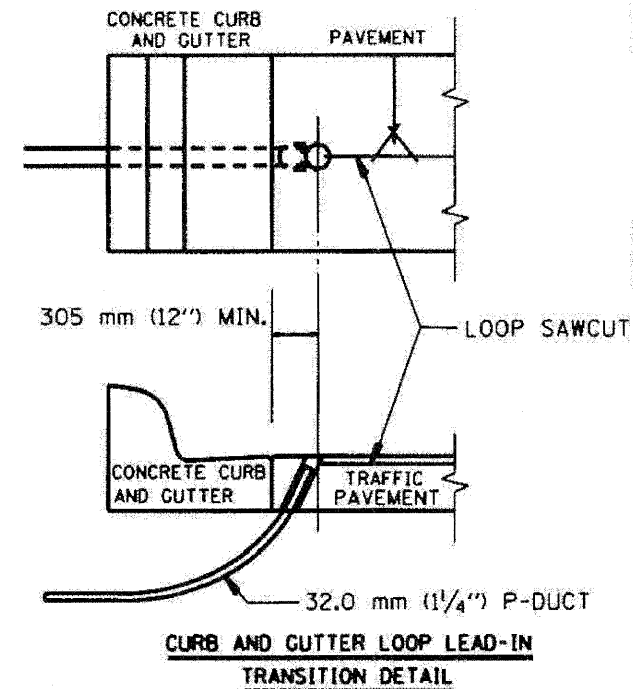
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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



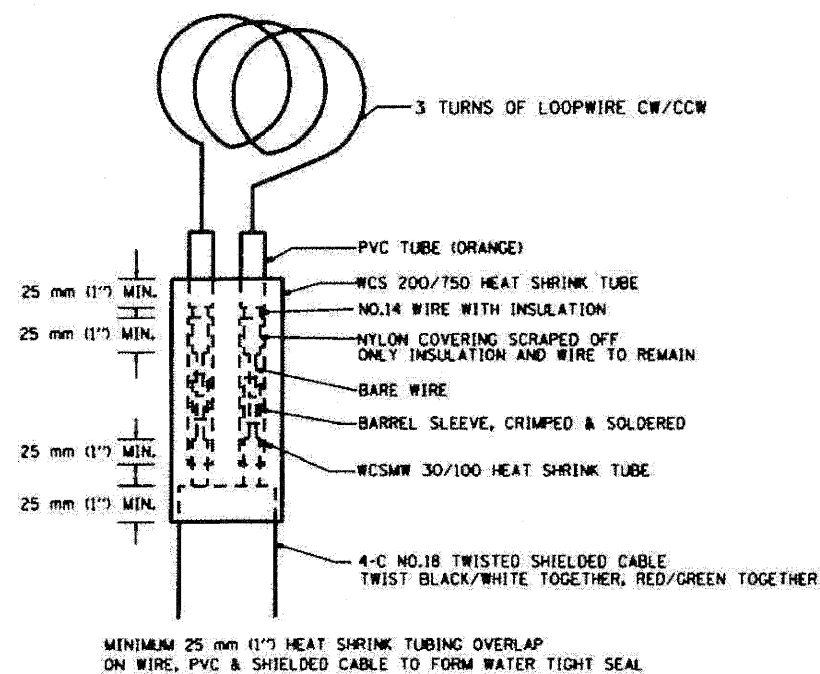
**TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY**



**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.



**LOOP SPLICING REQUIREMENTS**

DESIGNED	DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER <b>EXISTING ROUND INDUCTION LOOP TYPICALS</b>
DRAWN	6/94	
CHECKED	10/96	
SCALE	VERT. NONE	DRAWN BY G.K. CHECKED BY R.L.
DATE	6-22-94	

**TRAFFIC SYSTEMS CENTER (TY-1TSC-418#2)**

FILE NAME =	DESIGNED - GHT	REVISED -
...prpln_abc_c3_ts_det_18.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

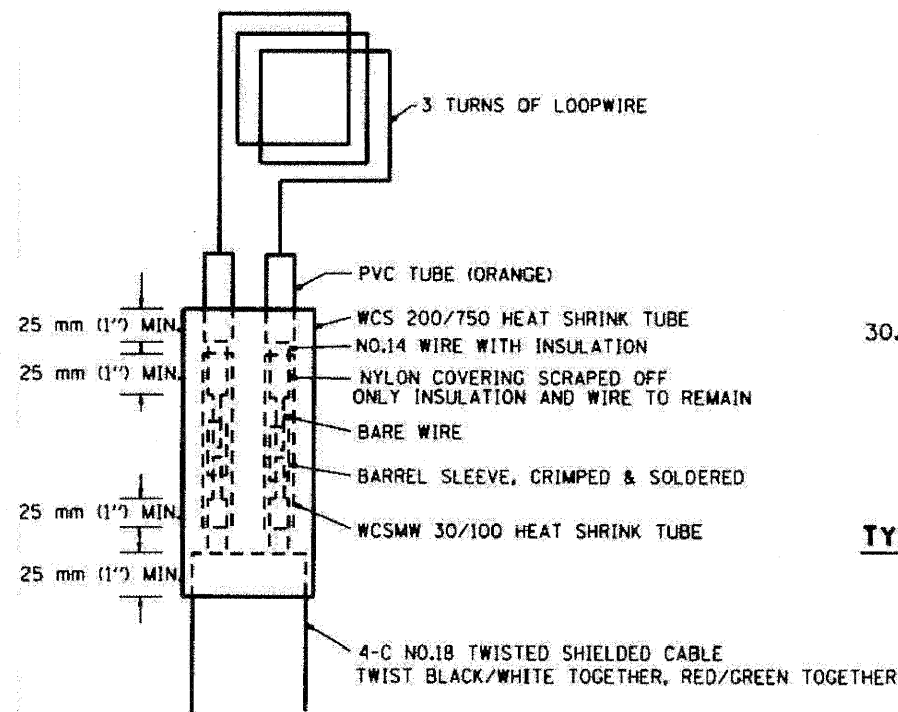
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SYSTEM CENTER  
DETAIL SHEETS**

SCALE: N.T.S. SHEET NO. 18 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	176
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	

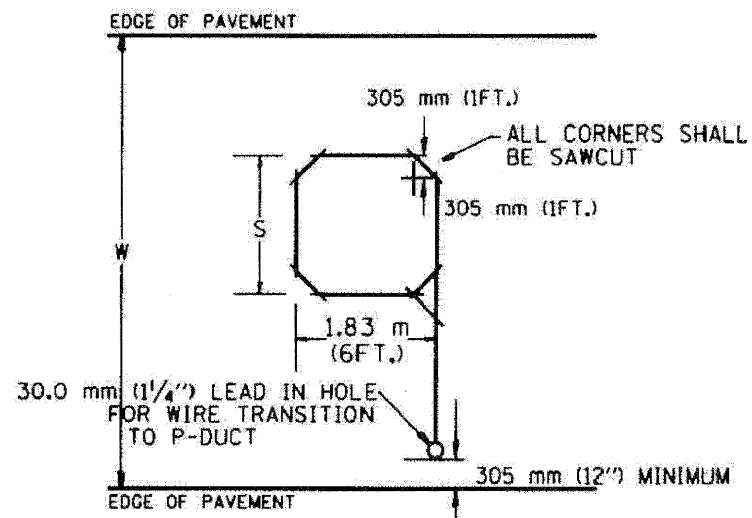
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



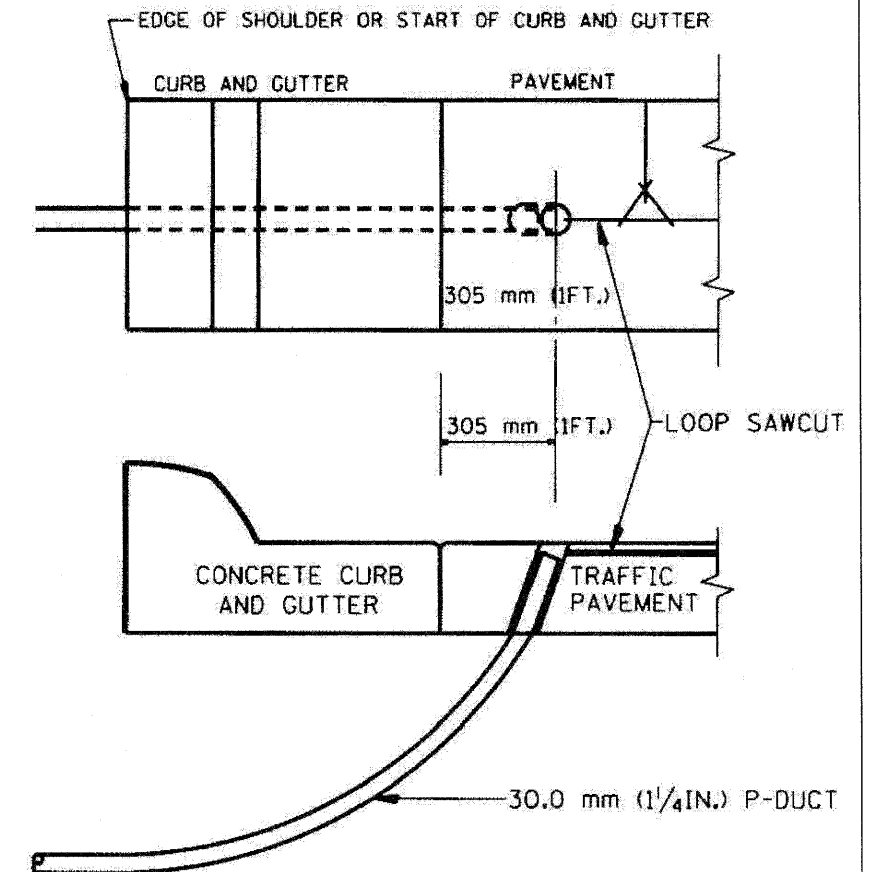
MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

**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 RAMP**



**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.

REVISED		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
DATE	BY	
6/94	R.L.	<b>RECTANGULAR INDUCTION LOOP TYPICAL</b>
11/95	T.C.	
05/96	R.L.	
10/96	T.C.	
SCALE: VERT. NONE HORIZ. NONE		DATE 6-22-94
DRAWN BY: C.M.		CHECKED BY: R.L.

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

FILE NAME =	DESIGNED - GHT	REVISED -
...prp\In-ABC-C3-TS-DET-11.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewsk	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

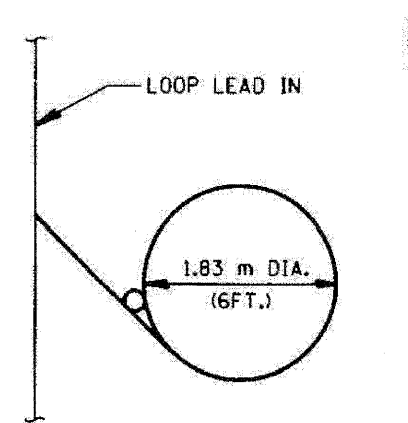
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SYSTEM CENTER  
DETAIL SHEETS**

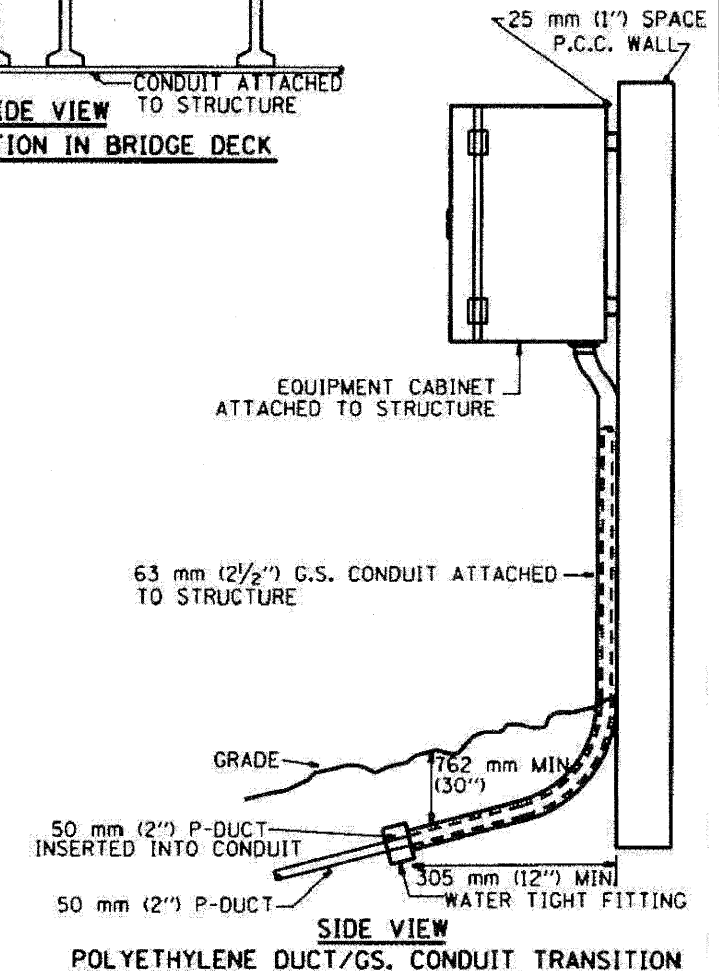
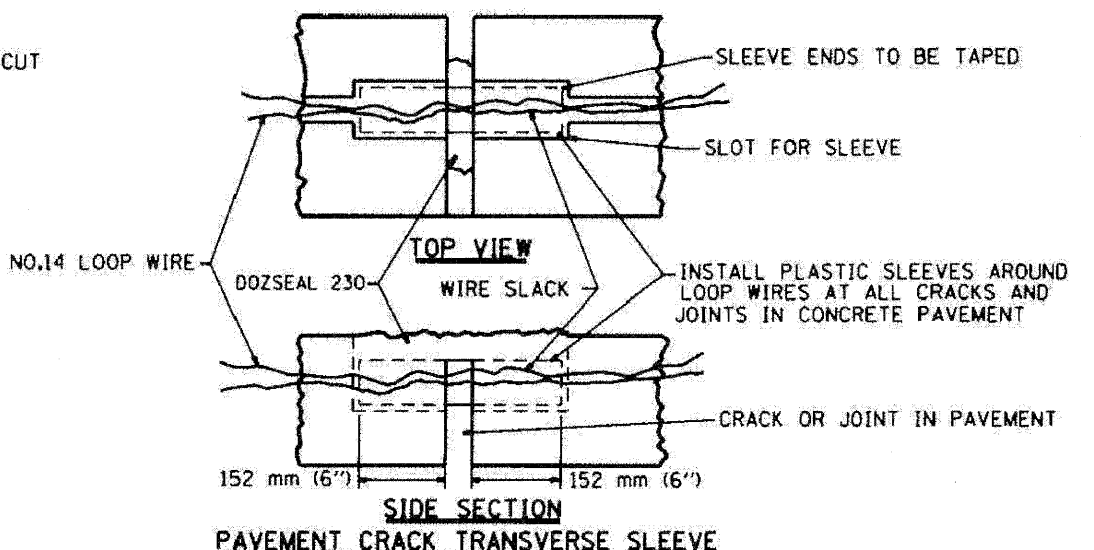
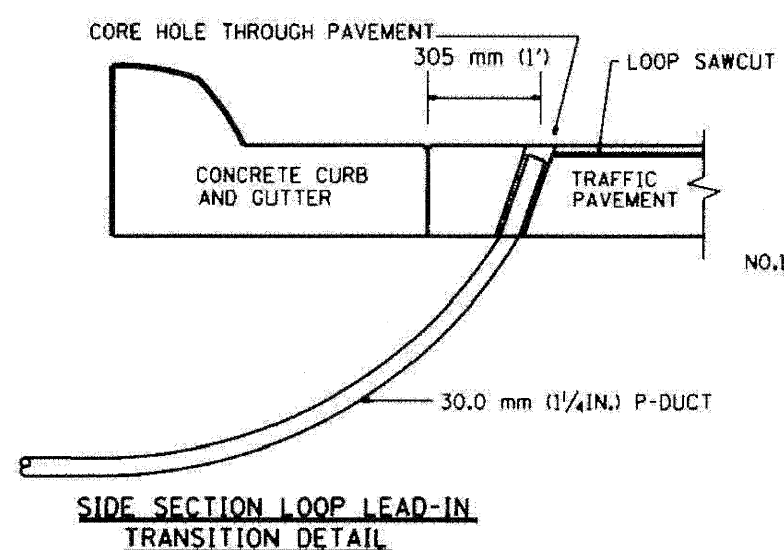
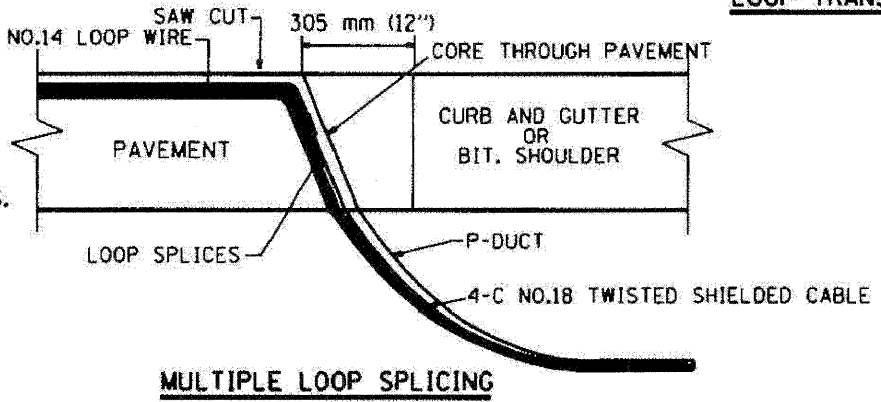
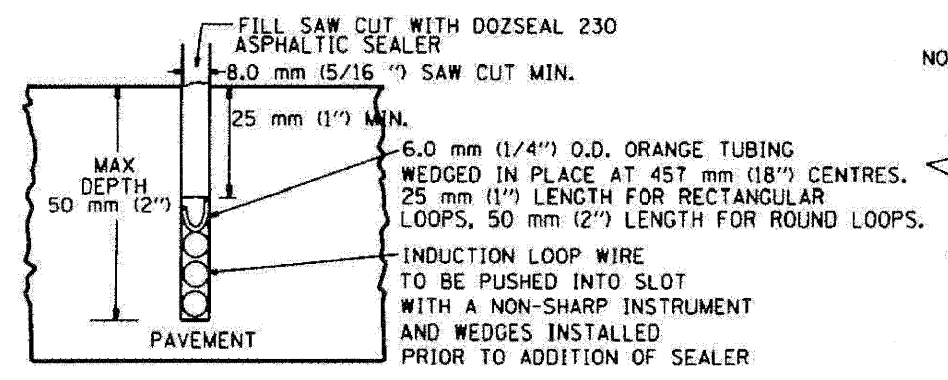
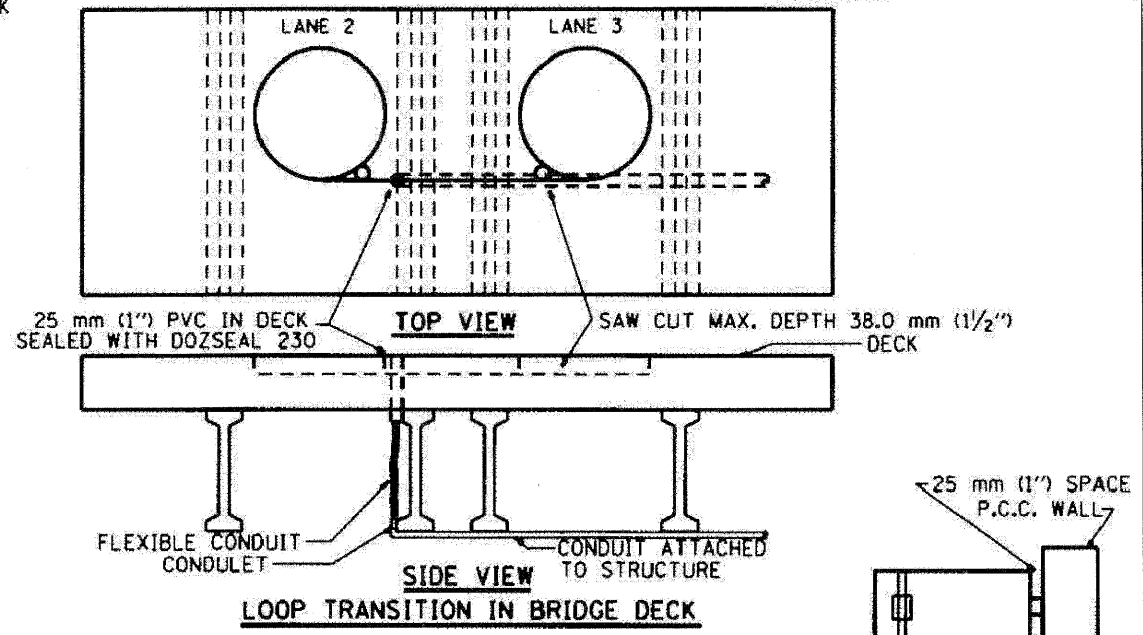
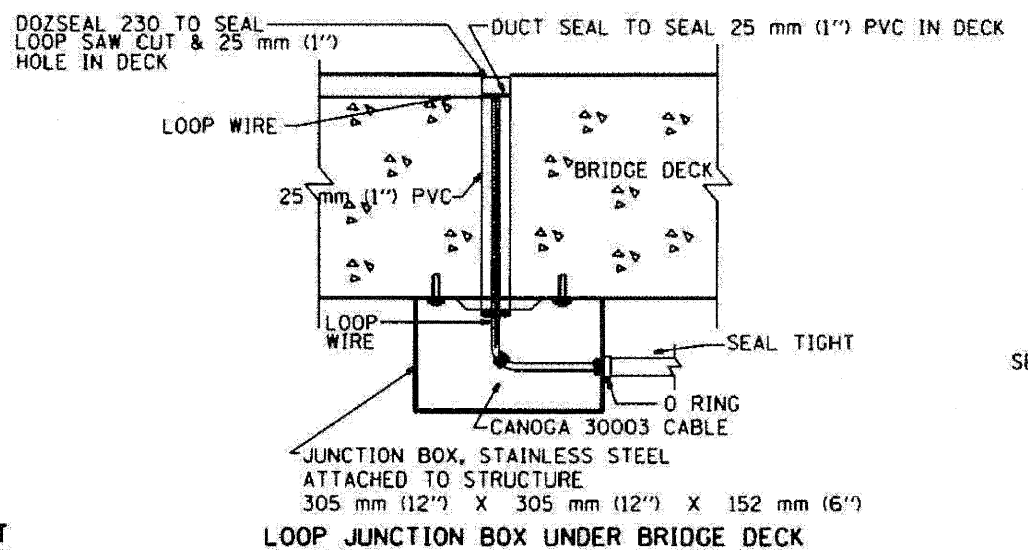
SCALE: N.T.S. SHEET NO. 19 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	177
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

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



TYPICAL LOOP SAWCUT LAYOUT



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	
NO.	DATE	NAME	DATE
1.	5/04	R.L.	
2.	5/05	R.L.	
3.	11/05	T.C.	
4.	08/06	R.L.	
5.	10/06	T.C.	

SCALE: VERT. NONE

DATE: 6-22-04

DRAWN BY: G.A.

CHECKED BY: R.L.

**LOOP, CONDUIT & DUCT INSTALLATION DETAILS**

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

FILE NAME -	DESIGNED - GHT	REVISED -
...\\prpln.abc.c3.ts.det.12.dgn	DRAWN - DMS	REVISED -
USER NAME - jmajewski	CHECKED - MPM	REVISED -
PLOT DATE - 1/25/2010	DATE - 1/25/10	REVISED -

benesch

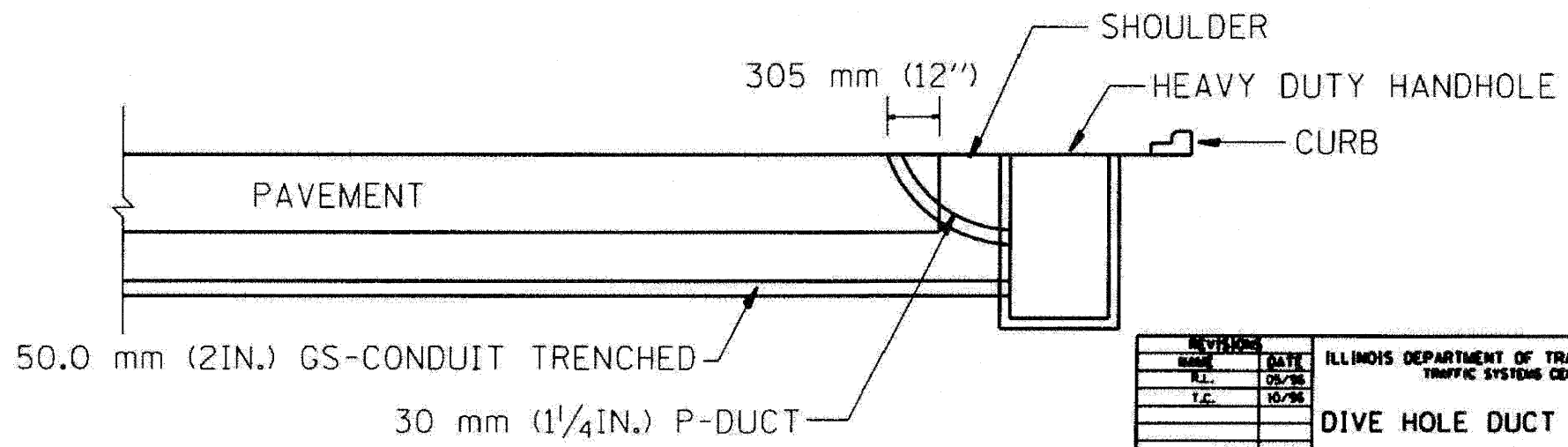
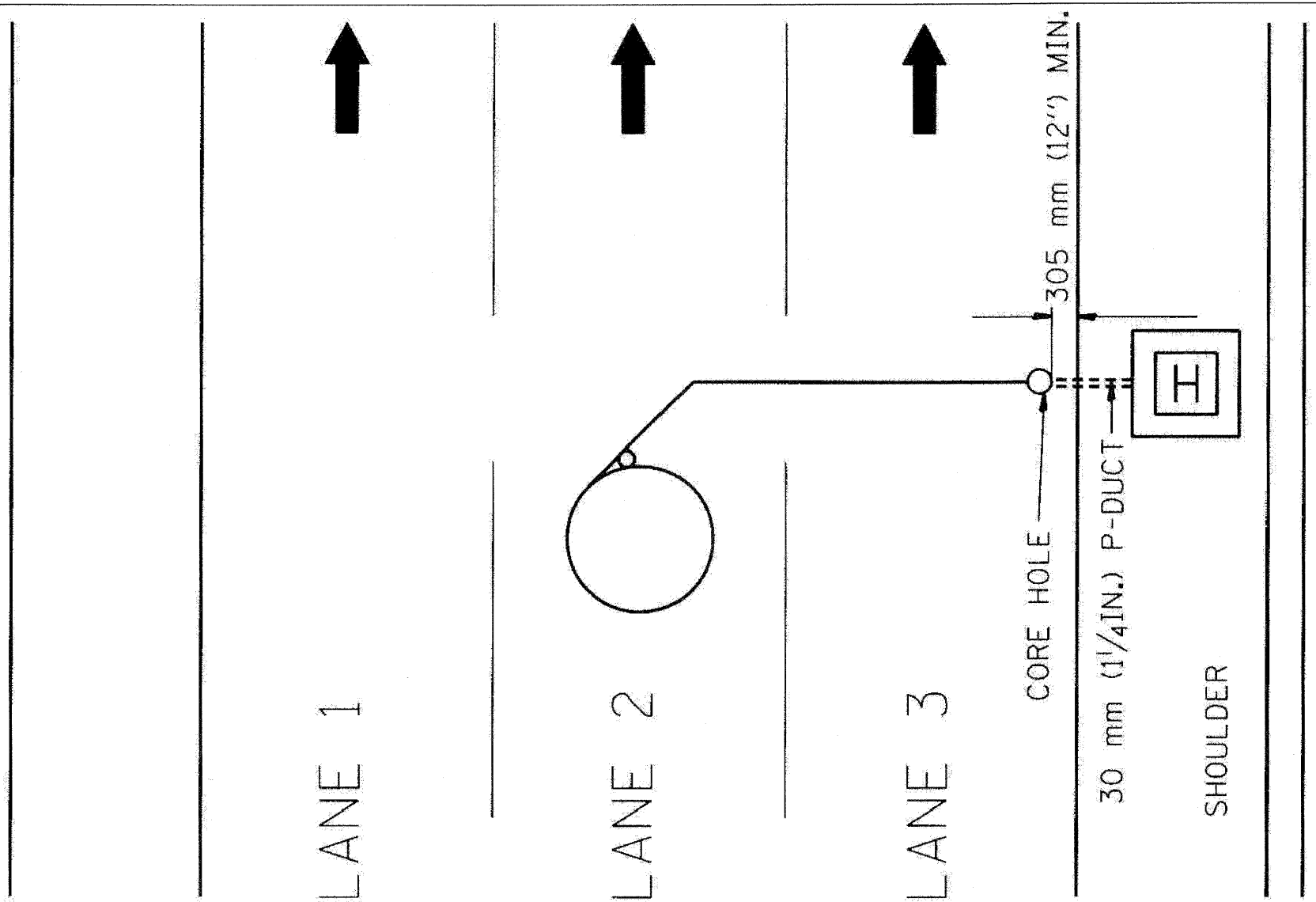
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER  
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 20 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-8	COOK	201	178
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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



REVISIONS	
NO.	DATE
1.	05/98
2.	10/98

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER

**DIVE HOLE DUCT SYSTEM**

SCALE: NOT. NONE  
DATE 11/7/98

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

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

FILE NAME =	DESIGNED - GHT	REVISED -
...\\pripin\ABC\C3_TS_DET_13.dgn	DRAWN - DMS	REVISED -
USER NAME = jnajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE = 1/25/10	REVISED -

**benesch**

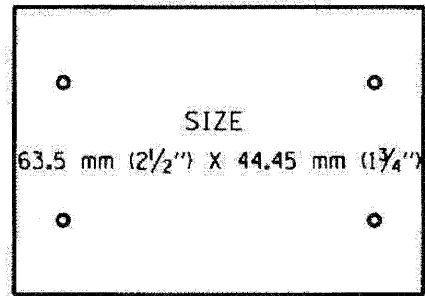
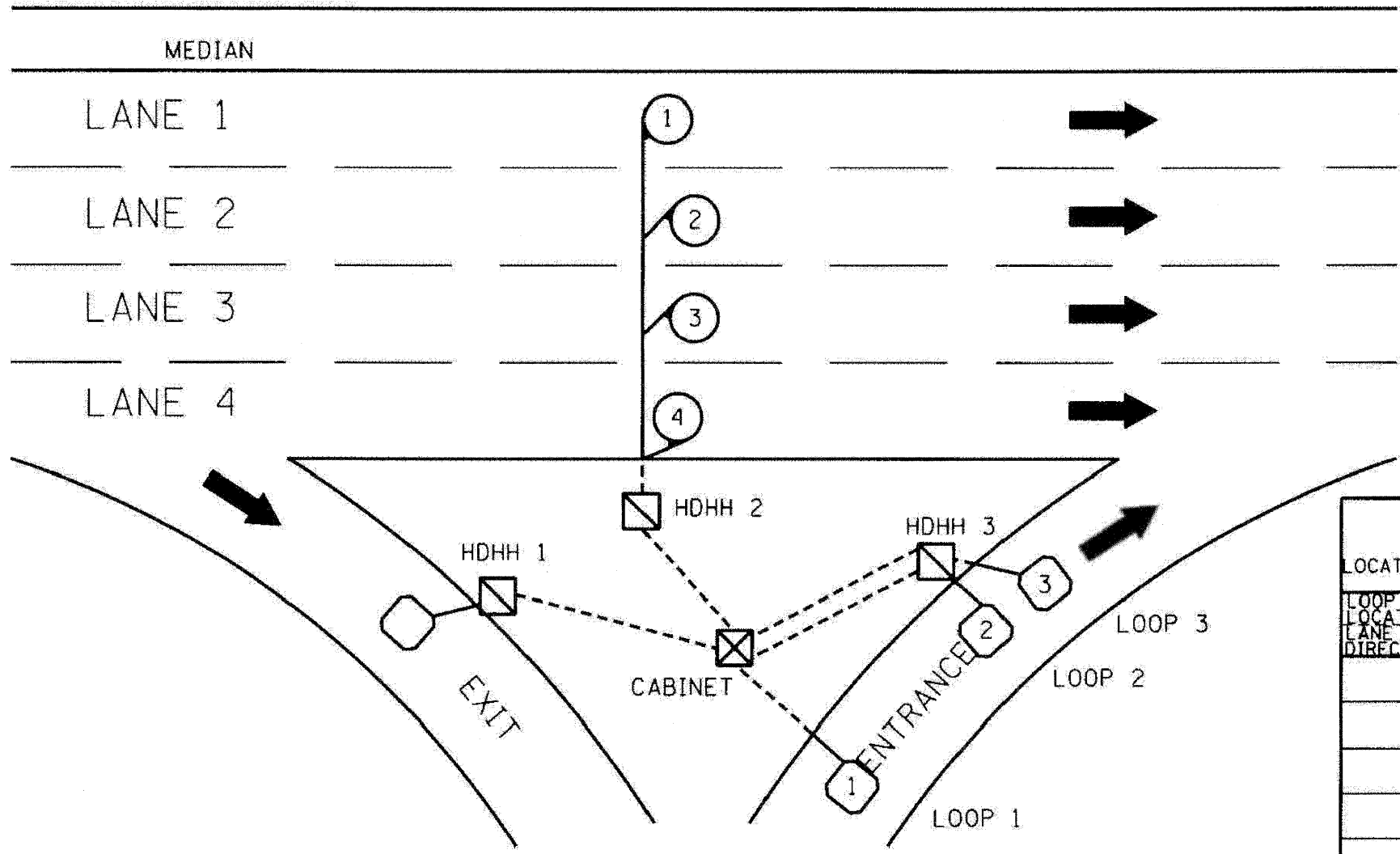
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SYSTEM CENTER DETAIL SHEETS	
SCALE: N.T.S.	SHEET NO. 21 OF 23 SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	179
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		



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.

REVISION	DATE
R.L.	8/94
T.C.	10/95

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER

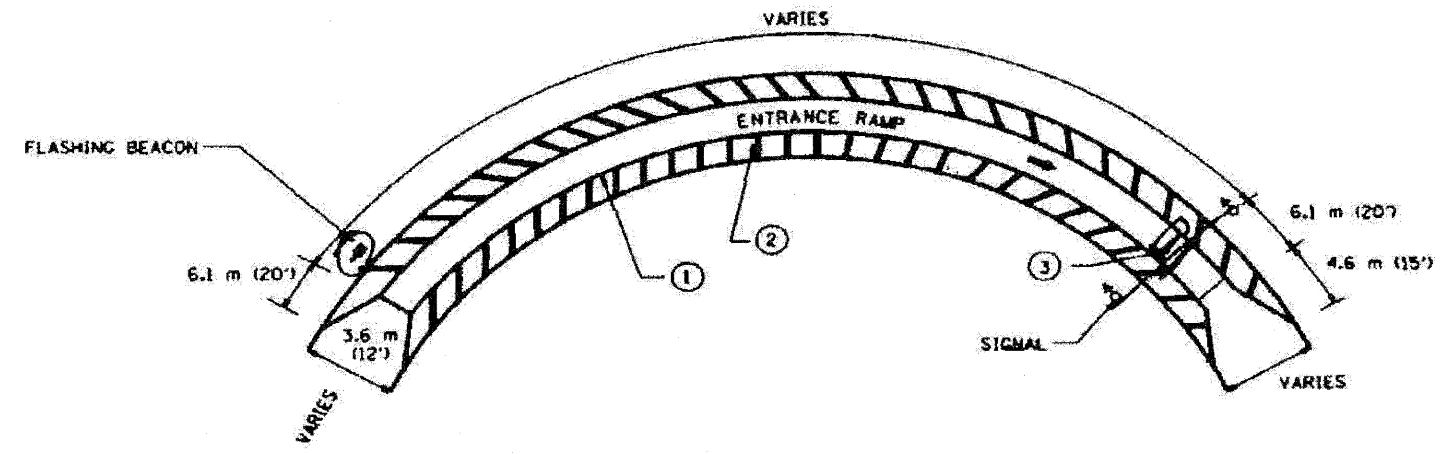
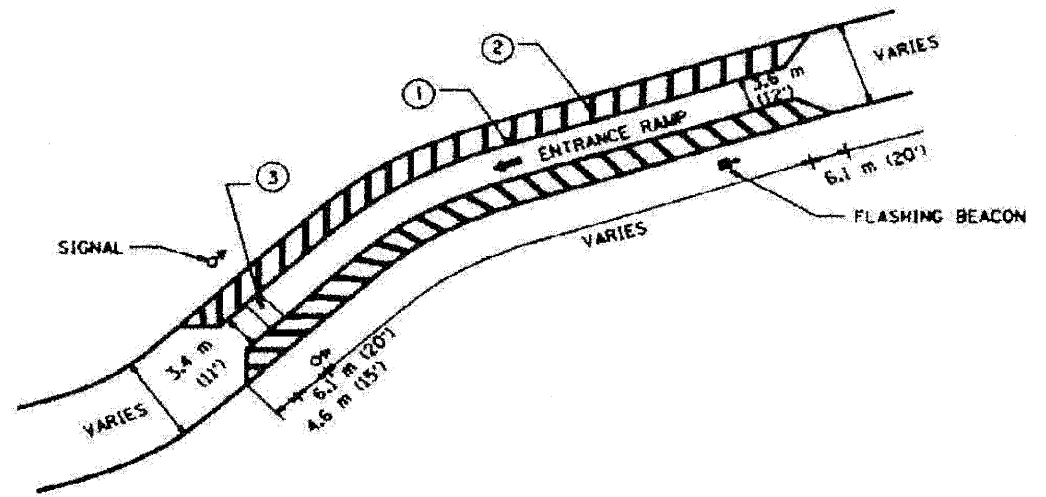
**LOOP STATUS REPORT**

SCALE: VERT. NONE  
DATE: 6-27-94

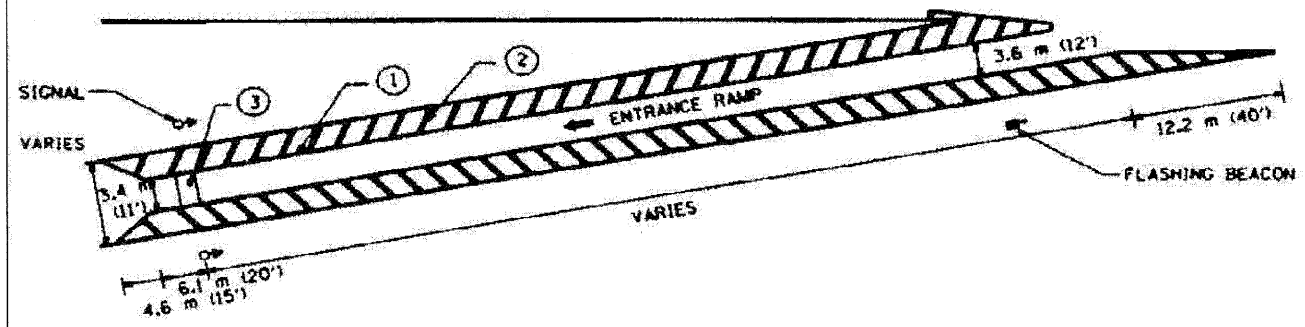
DRAWN BY: G.M.  
CHECKED BY: R.L.

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

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



FRONTAGE ROAD



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

REVISION	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER  
**TYPICAL RAMP  
METERING STRIPING**

SCALE: N.T.S. NONE  
DATE: 8-22-94

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

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

FILE NAME =	DESIGNED - GHT	REVISED -
...\\prp\in\ABC_C3_TS_DET_16.dgn	DRAWN - DMS	REVISED -
USER NAME = jmajewski	CHECKED - MPM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

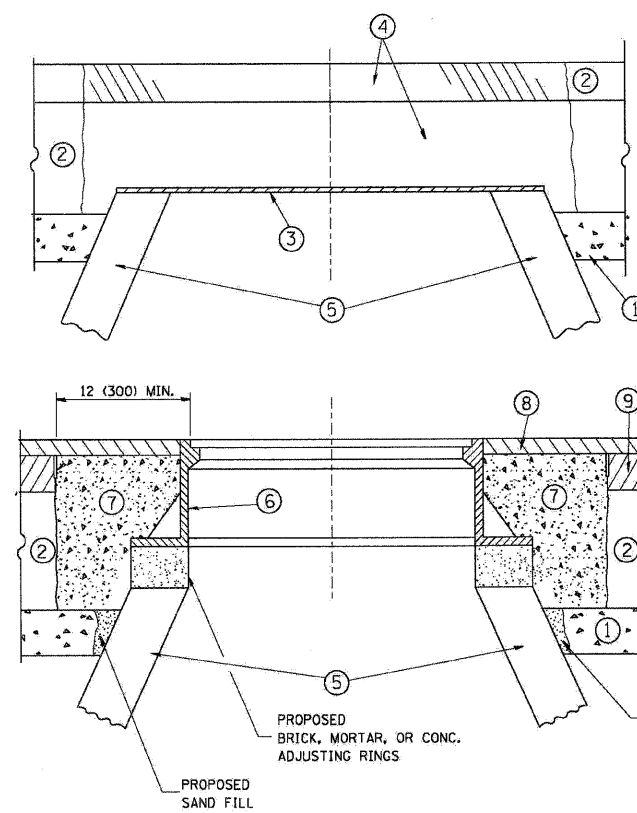
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SYSTEM CENTER  
DETAIL SHEETS

SCALE: N.T.S. SHEET NO. 23 OF 23 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	181

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 60K11



**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 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

**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.

**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.

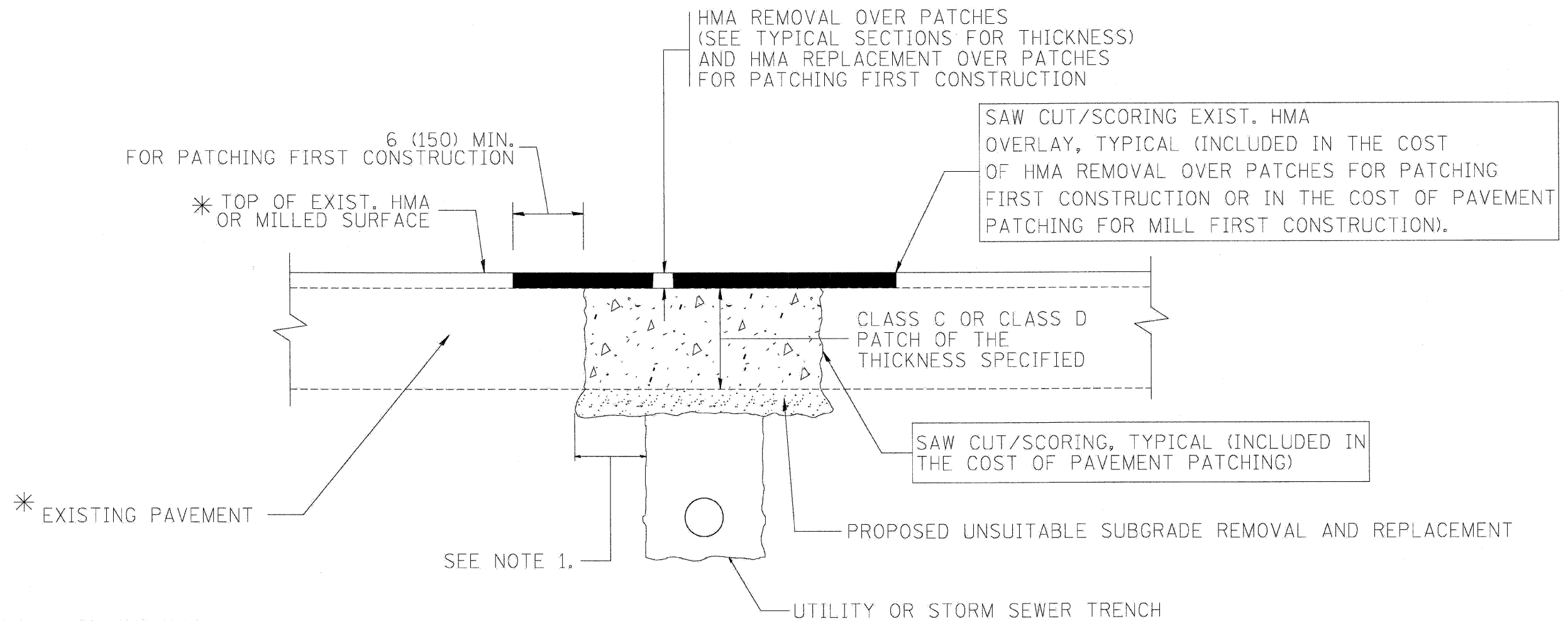
**BASIS OF PAYMENT:** THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

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

BD-08

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FRAMES AND LIDS WITH MILLING</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...prpLn_ABC.C3.D1.B0-B.dgn	DRAWN - TMB	REVISED -			290	(2525, ETC., 2727)RS-8	COOK	201	182			
USER NAME = jmajewski	CHECKED - JMM	REVISED -			CONTRACT NO. 60K11							
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
					SCALE: N.T.S.	SHEET NO. 1 OF 20 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)

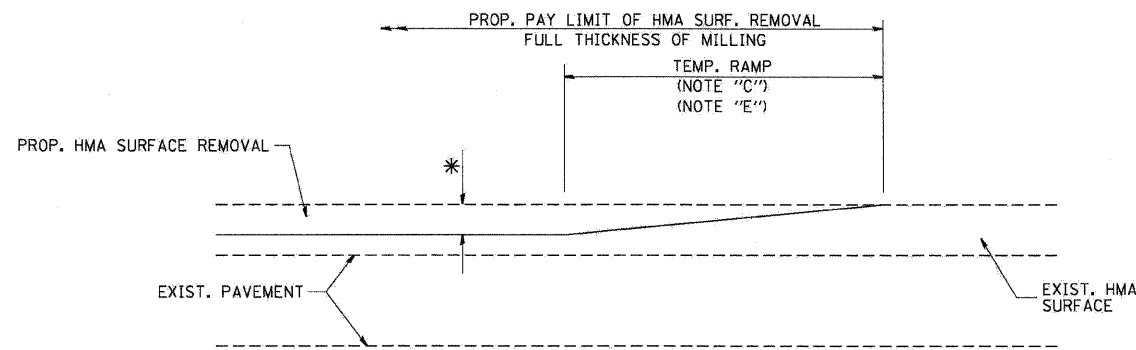
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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.

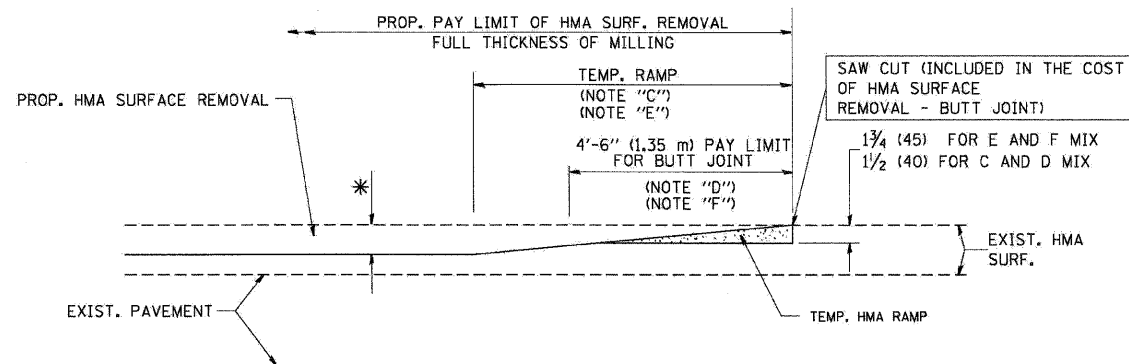
**BD-22**  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\prp\In-ABC-C3-D1-BD-22.dgn	DRAWN - TMB	REVISED -				290	(2525, ETC., 2727)RS-B	COOK	201	183
USER NAME = jmajewski	CHECKED - JMM	REVISED -				CONTRACT NO. 60K11				
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: N.T.S. SHEET NO. 2 OF 20 SHEETS STA. TO STA.										



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

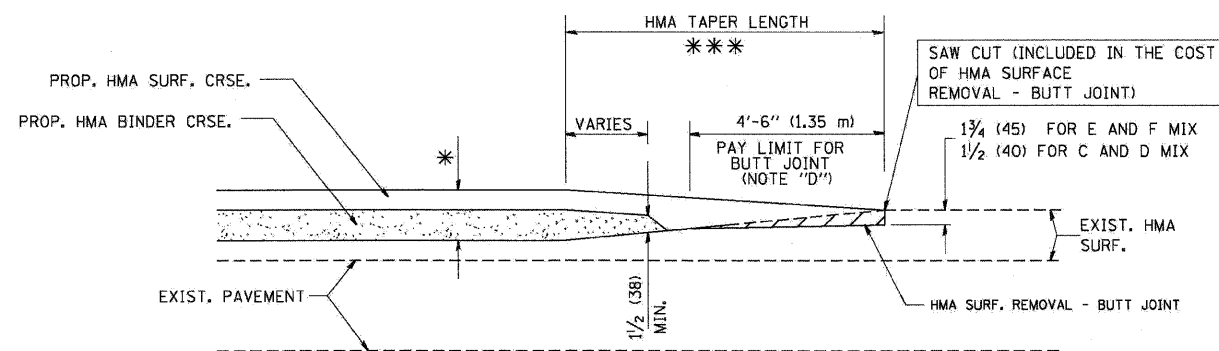
OPTION 1



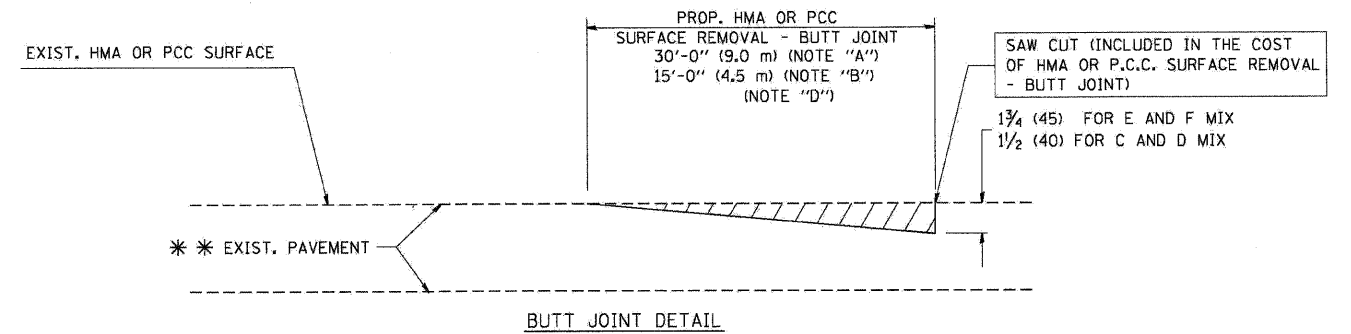
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

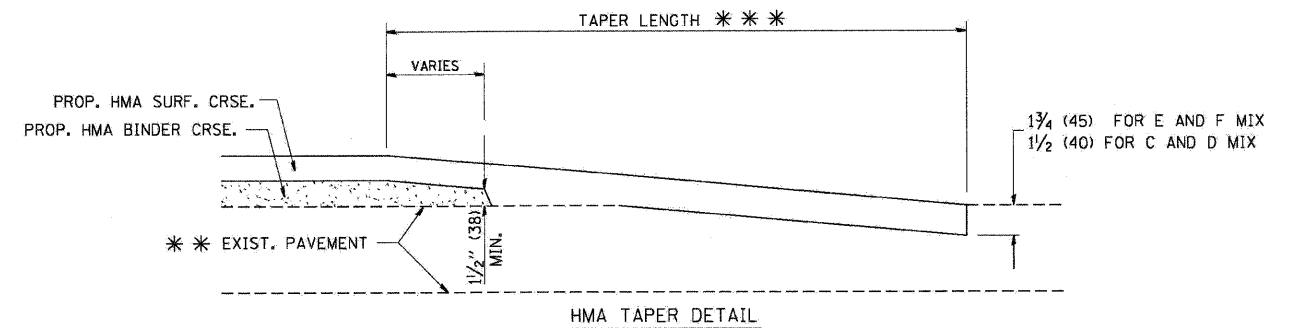
TYPICAL TEMPORARY RAMP



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.

FILE NAME =	DESIGNED - AJP	REVISED -
...p\p\In_ABC_C3_D1_R0-32.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

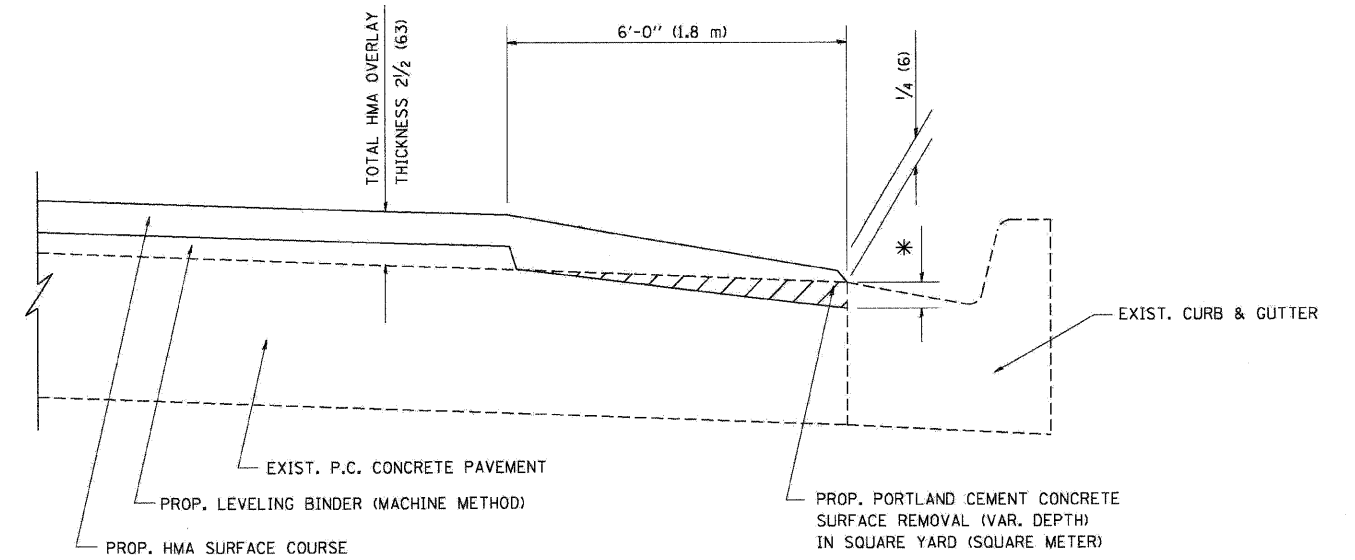
benesch

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS AND HMA TAPER

SCALE: N.T.S. SHEET NO. 3 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-B	COOK	201	184
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



HMA TAPER AT  
EDGE OF P.C.C PAVEMENT

HMA SURFACE	LEVELING BINDER		* MILLING AT GUTTER FLAG
	MIX	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.

FILE NAME =	DESIGNED - AJP	REVISED -
...prpln_abc_c3.dl_80-33.dgn	DRAWN - TMB	REVISED -
USER NAME = jmejewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

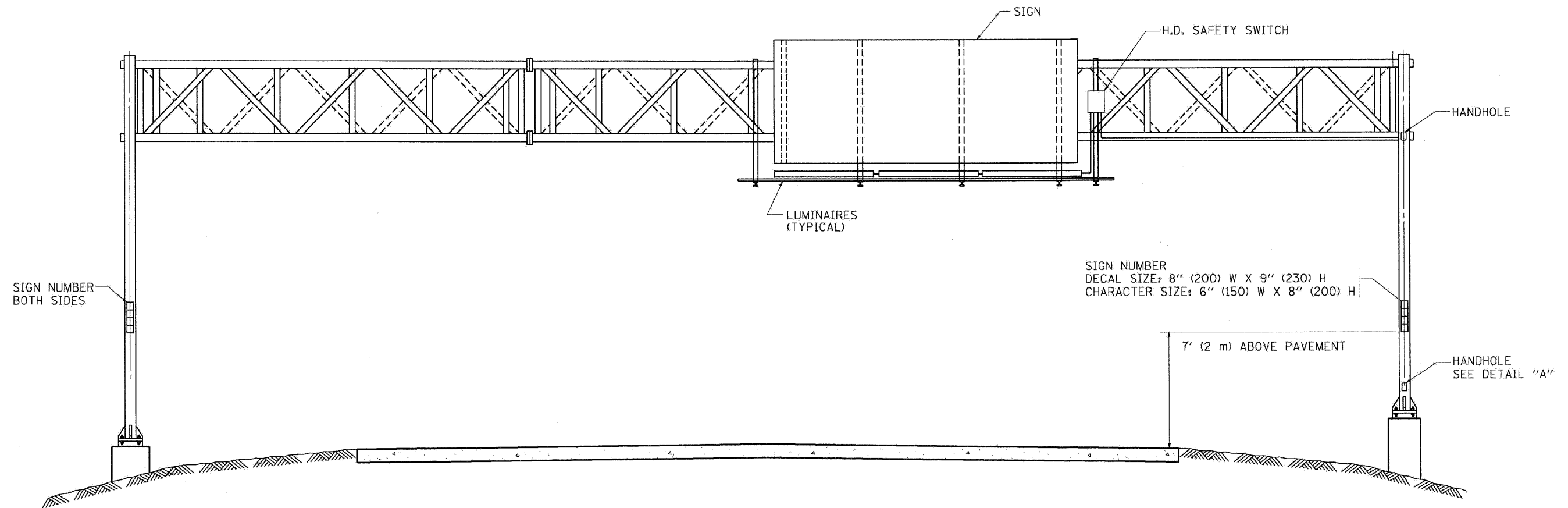
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HMA TAPER AT EDGE OF PCC PAVEMENT**

SCALE: N.T.S. SHEET NO. 4 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	185
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



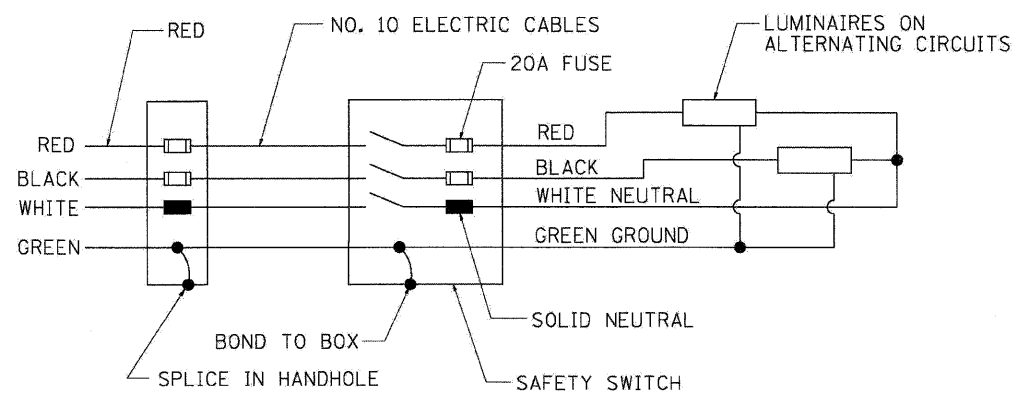
SIGN NUMBER  
 DECAL SIZE: 8" (200) W X 9" (230) H  
 CHARACTER SIZE: 6" (150) W X 8" (200) H

7' (2 m) ABOVE PAVEMENT

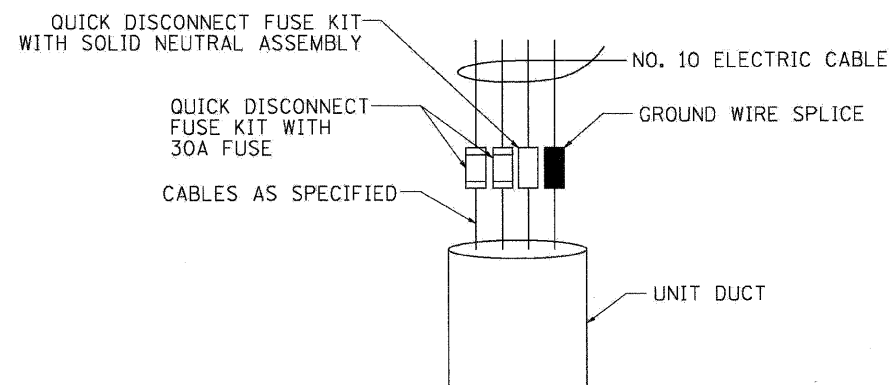
HANDHOLE  
 SEE DETAIL "A"

**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE GALVANIZED RIGID METALIC CONDUIT, PVC COATED (GRMC, PVC)
3. THE USE OF LIQUID TIGHT METAL CONDUIT (TYPE LFMC) SHALL BE LIMITED TO LOCATIONS WHERE MOVEMENT IS ANTICIPATED AND SHALL NOT EXCEED 5' (1.5 m) IN LENGTH
4. ALL WORK INDICATED SHALL BE INCLUDED IN THE PAY ITEM FOR ELECTRIC CONNECTION TO SIGN STRUCTURE
5. THE SAFETY SWITCH SHALL BE LOCATED ON THE SIDE OF THE SIGN STRUCTURE WHICH IS CLOSEST TO THE SHOULDER, OR EDGE OF PAVEMENT.



**WIRING DIAGRAM**



**DETAIL A**

**BE-600**

FILE NAME =	DESIGNED - AJP	REVISED -
...\\prip\in_abc_c3_01_0e-600A.dgn	DRAWN - TMB	REVISED -
USER NAME = jmojewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

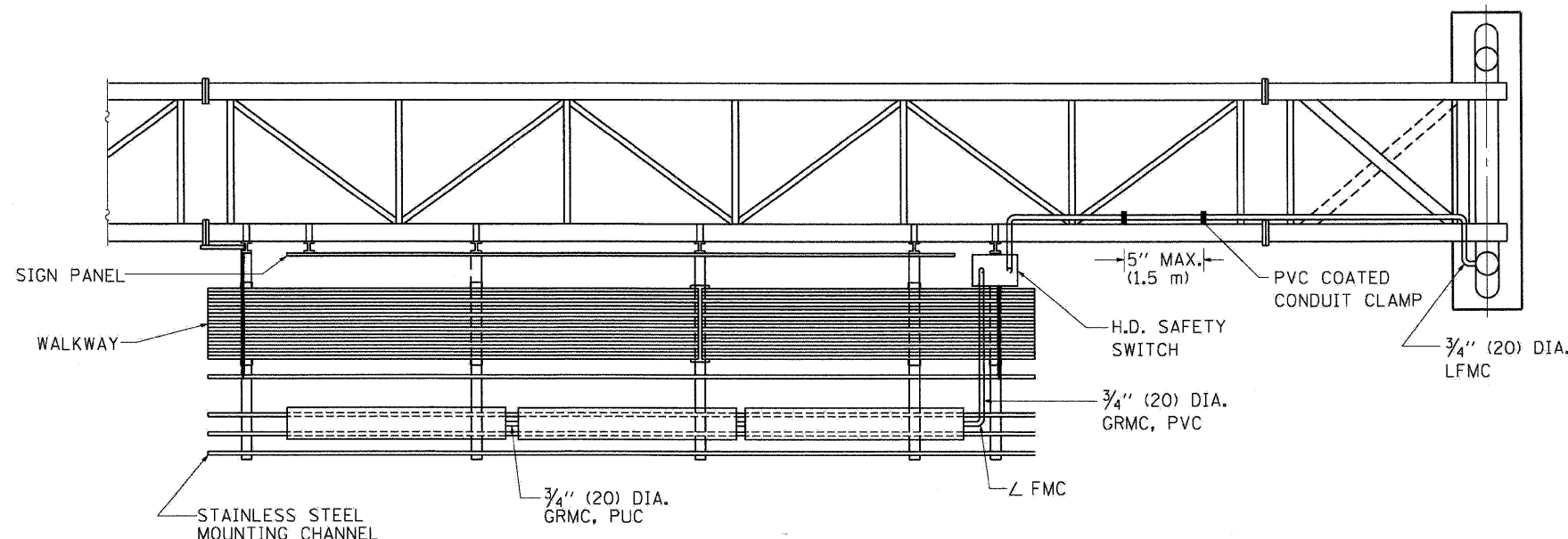
**benesch**

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

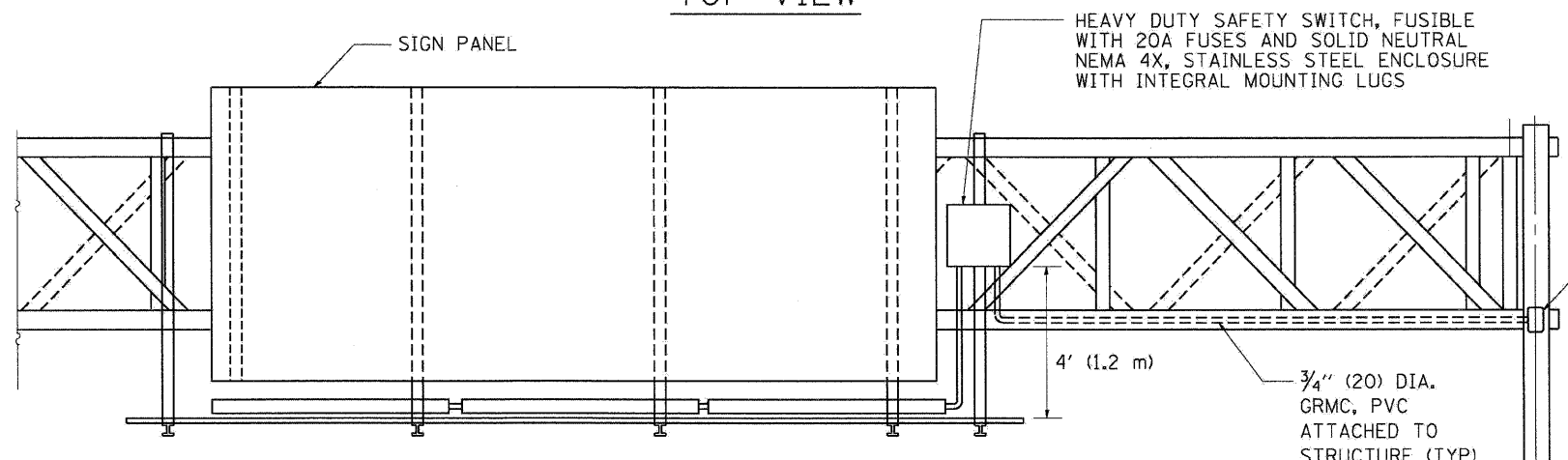
**ELECTRIC CONNECTION TO SIGN STRUCTURE SPAN TYPE**

SCALE: N.T.S. SHEET NO. 5 OF 20 SHEETS STA. TO STA.

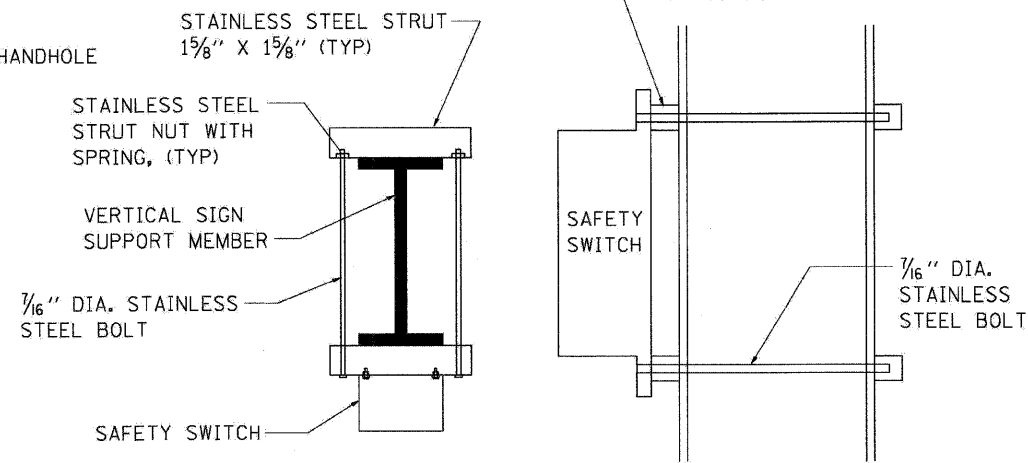
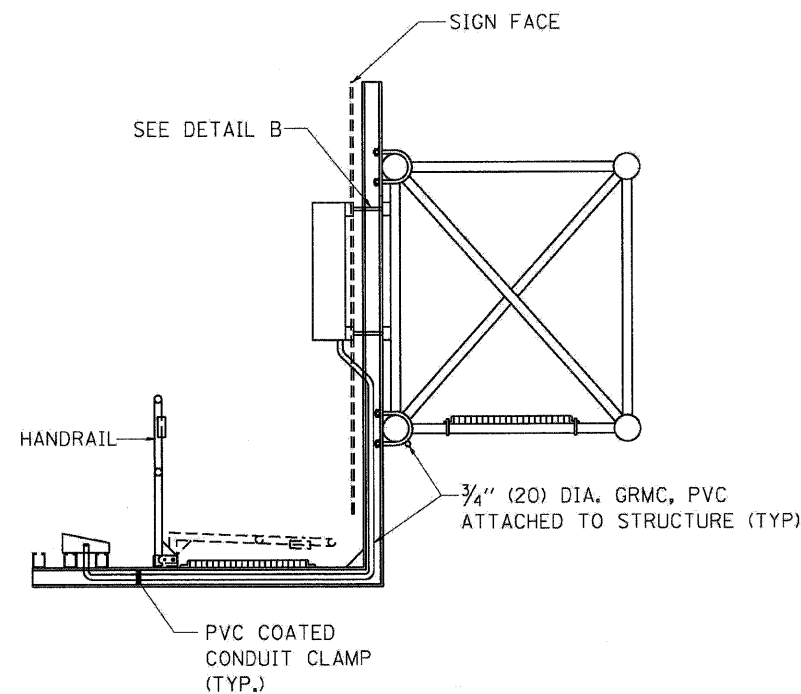
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-B	COOK	201	186
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



TOP VIEW



ELEVATION VIEW



TOP VIEW

SIDE VIEW

DETAIL B

BE-600

FILE NAME =	DESIGNED - AJP	REVISED -
...\\prp\h-abc\C3.DL_BE-600B.dgn	DRAWN - TMB	REVISED -
USER NAME = jwojewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

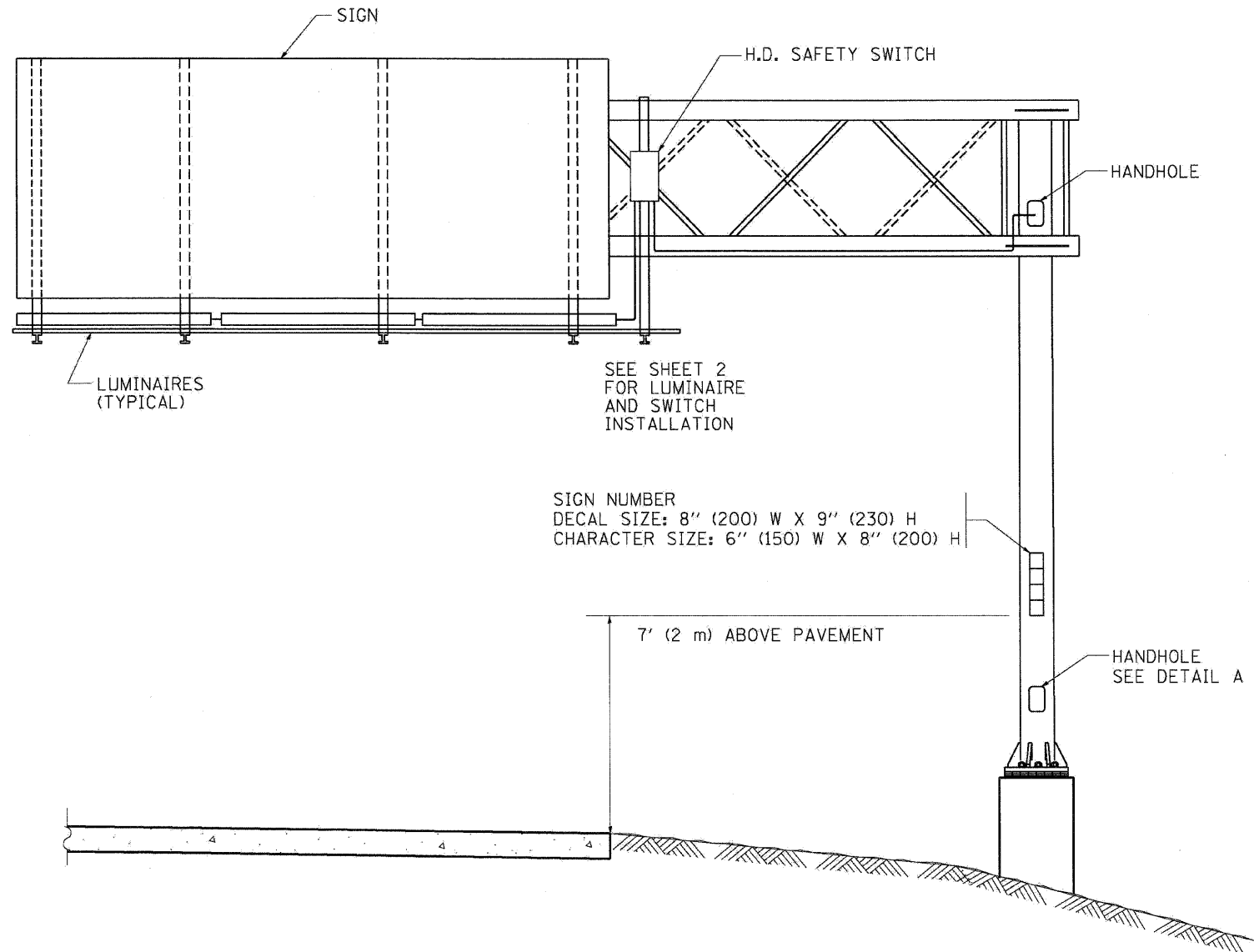
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ELECTRIC CONNECTION TO SIGN STRUCTURE SPAN TYPE**

SCALE: N.T.S. SHEET NO. 6 OF 20 SHEETS STA. TO STA.

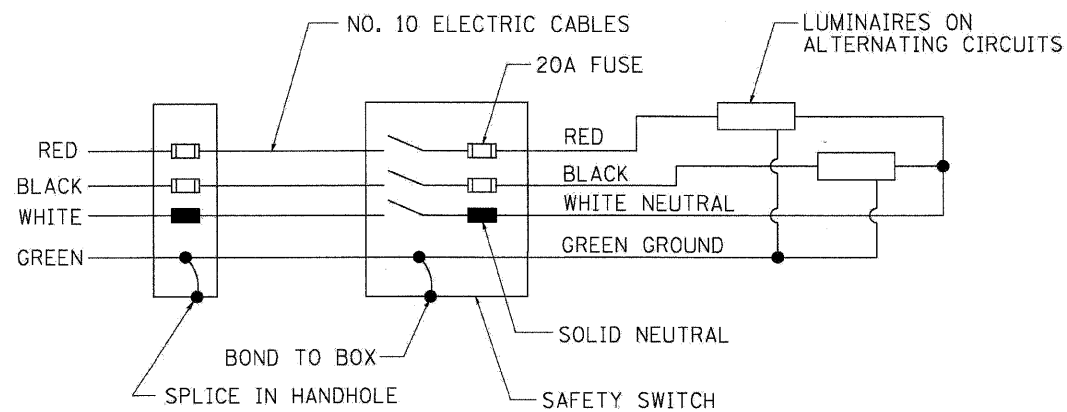
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	187
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	



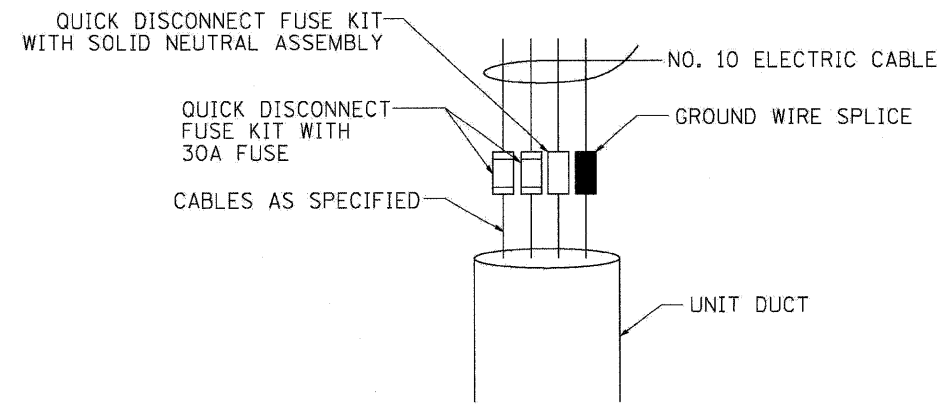


**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE GALVANIZED RIGID METALIC CONDUIT, PVC COATED (GRMC, PVC)
3. THE USE OF LIQUID TIGHT METAL CONDUIT (TYPE LFMC) SHALL BE LIMITED TO LOCATIONS WHERE MOVEMENT IS ANTICIPATED AND SHALL NOT EXCEED 5' (1.5M) IN LENGTH
4. ALL WORK INDICATED SHALL BE INCLUDED IN THE PAY ITEM FOR ELECTRIC CONNECTION TO SIGN STRUCTURE
5. THE SAFETY SWITCH SHALL BE LOCATED ON THE SIDE OF THE SIGN STRUCTURE WHICH IS CLOSEST TO THE SHOULDER, OR EDGE OF PAVEMENT.



**WIRING DIAGRAM**



**DETAIL A**

**BE-601**

FILE NAME =	DESIGNED - AJP	REVISED -
...prpln_ABC_C3.D1.BE-601A.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

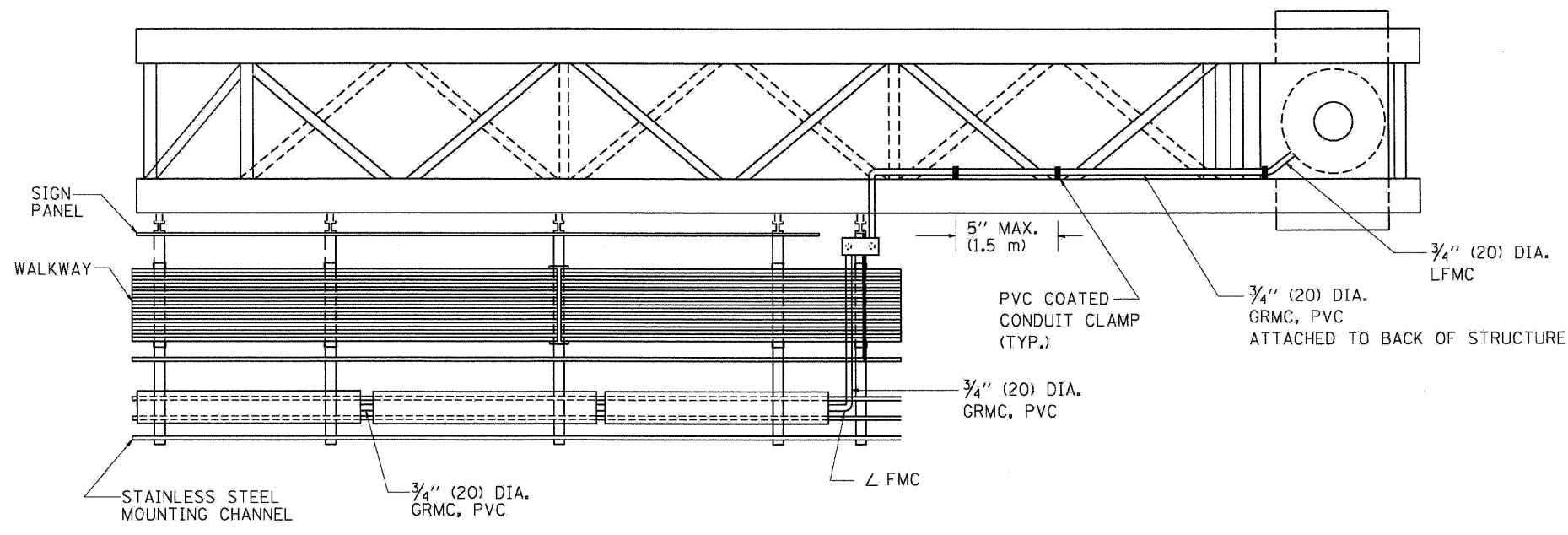
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

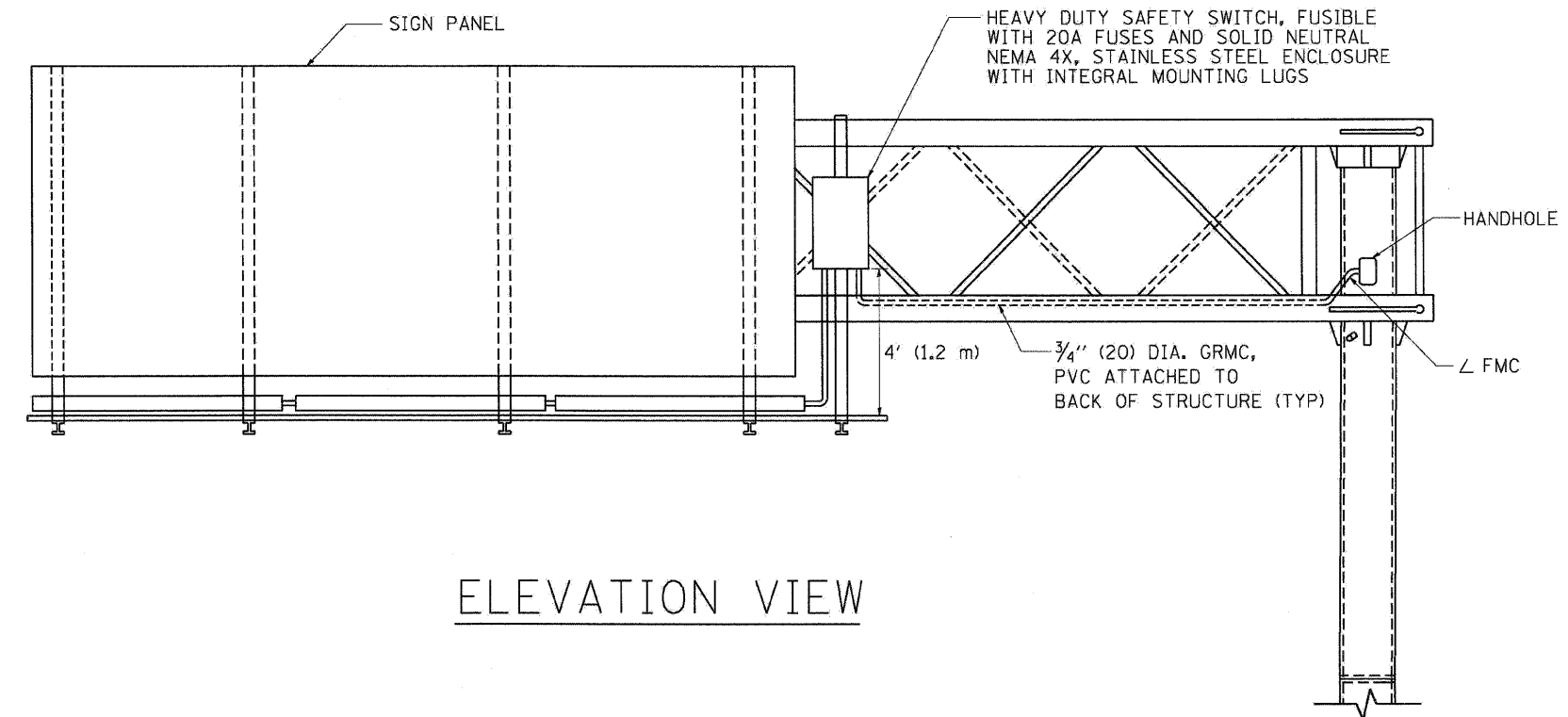
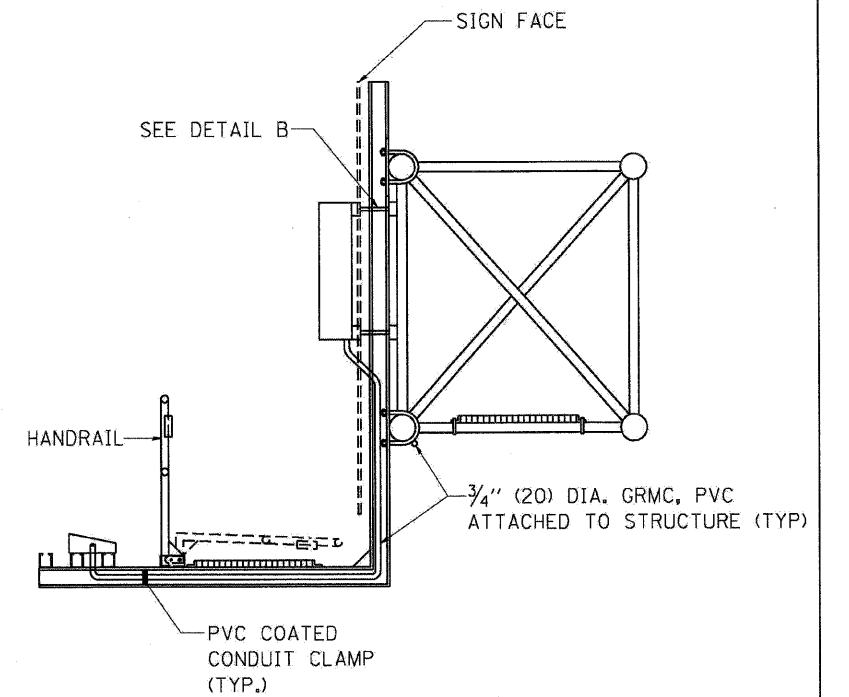
**ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER TYPE**

SCALE: N.T.S. SHEET NO. 7 OF 20 SHEETS STA. TO STA.

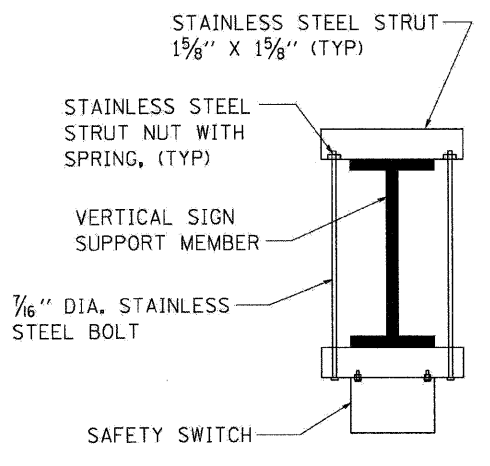
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-B	COOK	201	188
CONTRACT NO. 60K11				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



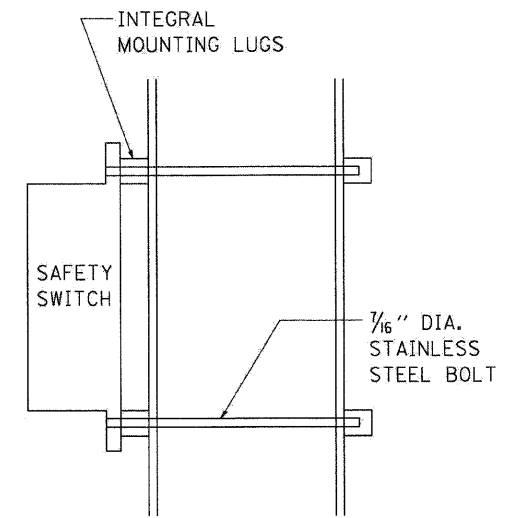
TOP VIEW



ELEVATION VIEW



TOP VIEW



SIDE VIEW

DETAIL B

FILE NAME =	DESIGNED - AJP	REVISED -
USER NAME = jma_jawski	DRAWN - TMB	REVISED -
PL01 DATE = 1/25/2010	CHECKED - JMM	REVISED -
	DATE - 1/25/10	REVISED -

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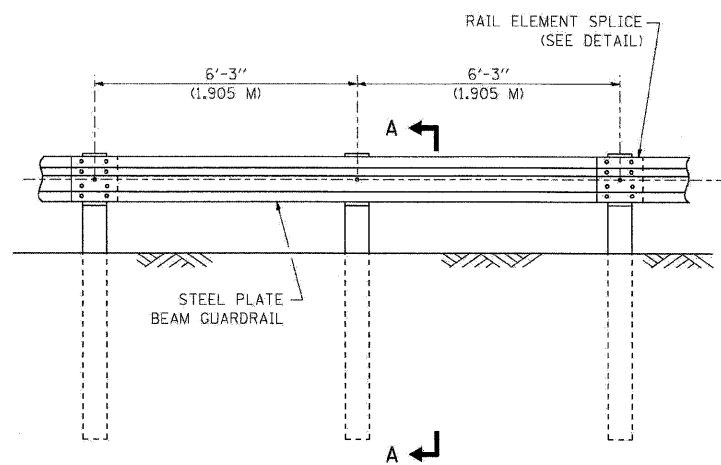
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER TYPE**

SCALE: N.T.S. SHEET NO. 8 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	189
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60K11		

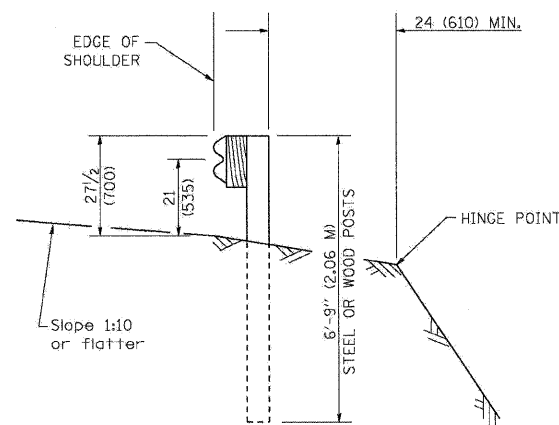
BE-601



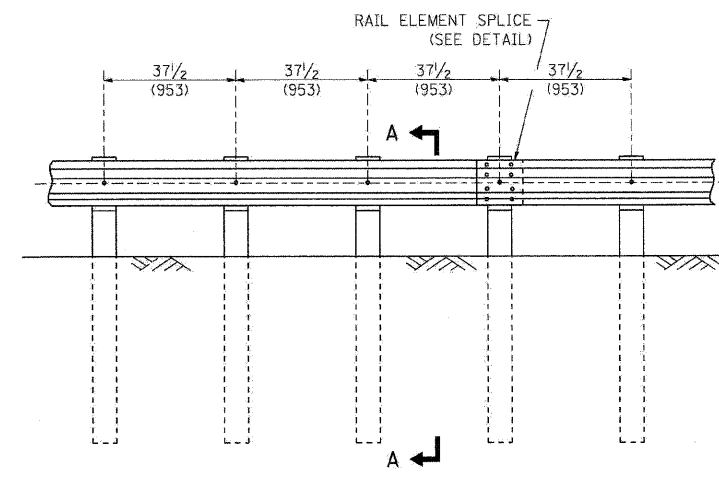
ELEVATION

TYPE A

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



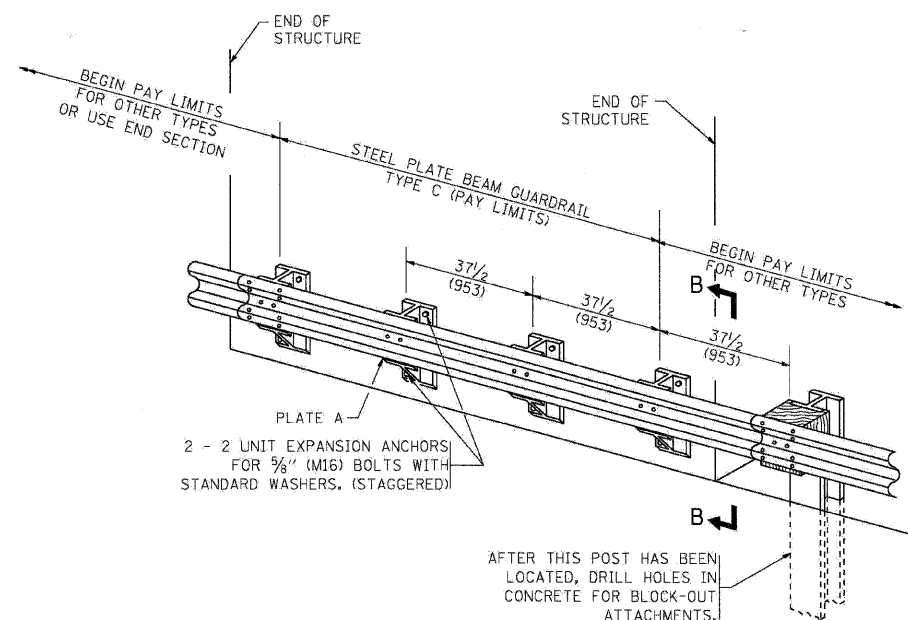
SECTION A-A



ELEVATION

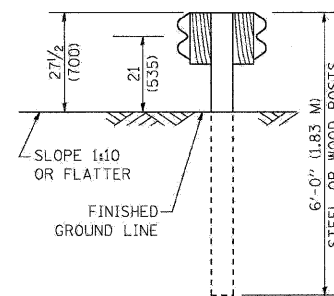
TYPE A

37 1/2 (953) CLOSED POST SPACING

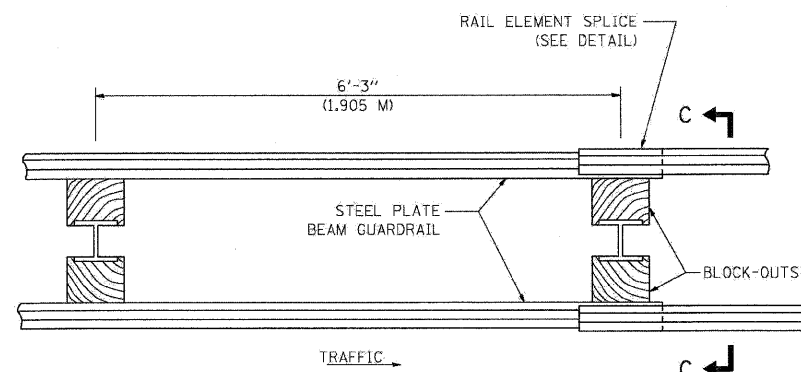


TYPE C

37 1/2 (953) BLOCK-OUT SPACING



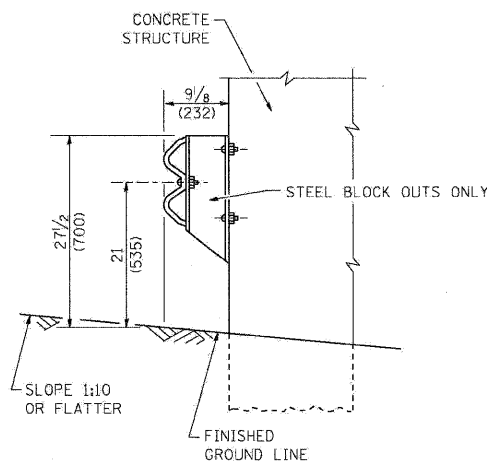
SECTION C-C



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.

BM-21

FILE NAME =	DESIGNED - AJP	REVISED -
...p\pin_ABC_C3.D1.BM-21A.dgn	DRAWN - TMB	REVISED -
USER NAME = jnojewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

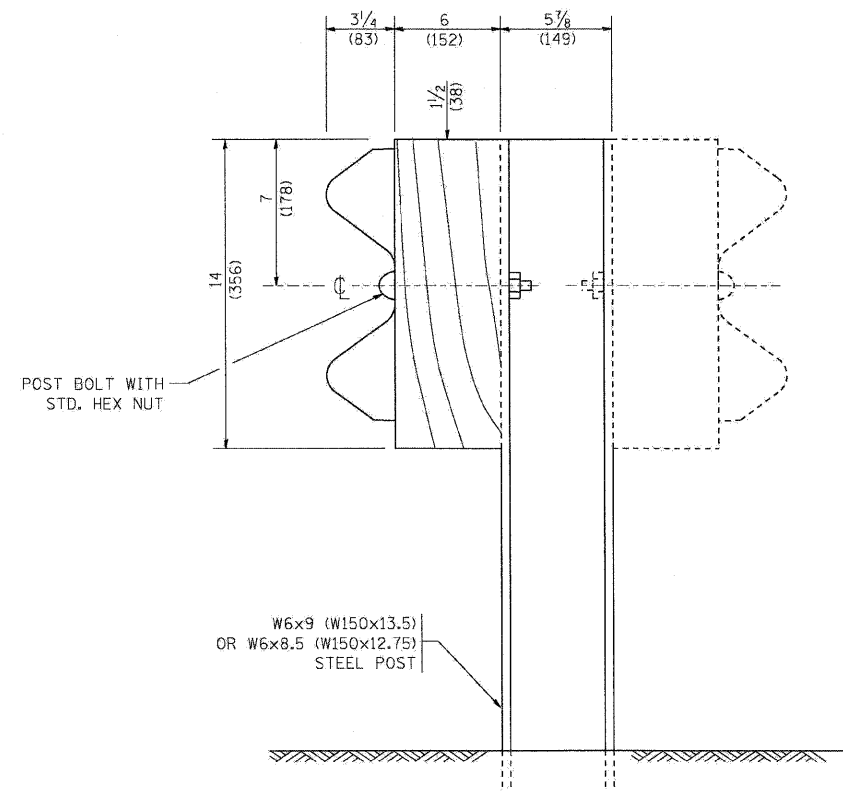
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

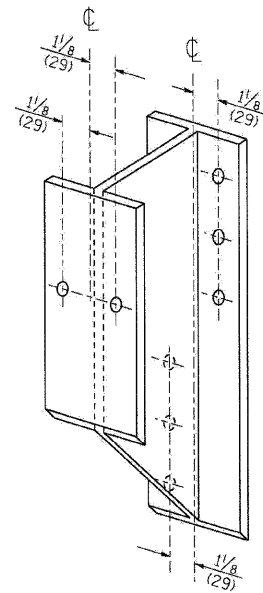
**REMOVE AND REERECT GUARDRAIL**

SCALE: N.T.S. SHEET NO. 9 OF 20 SHEETS STA. TO STA.

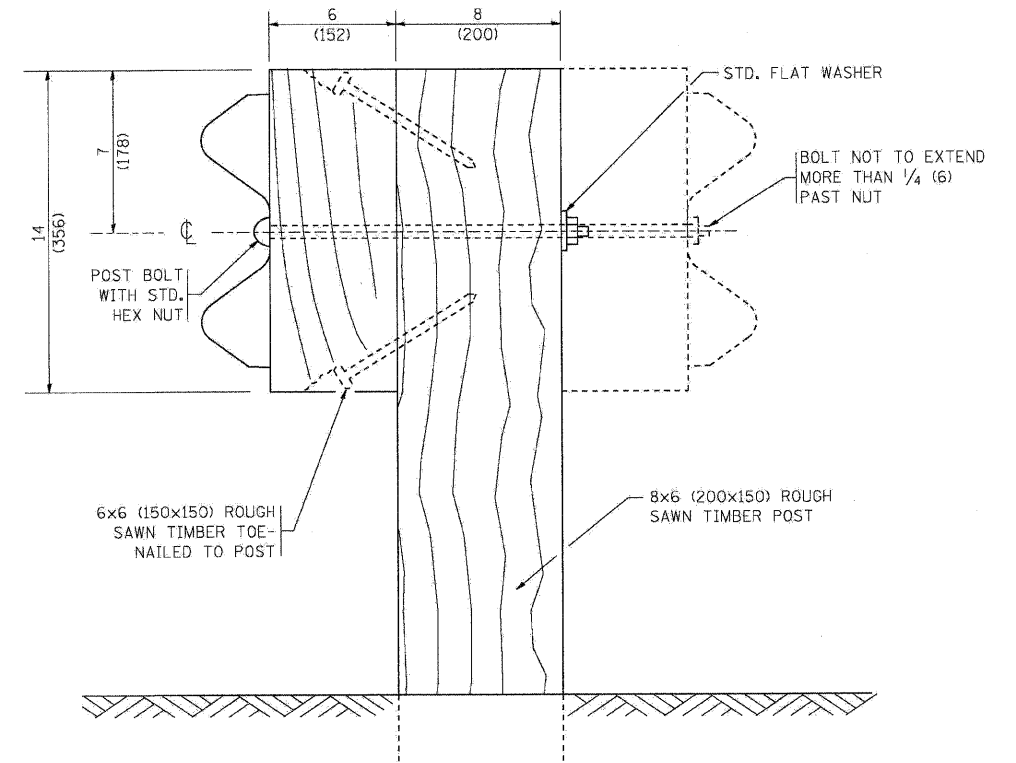
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727RS-B	COOK	201	190
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	



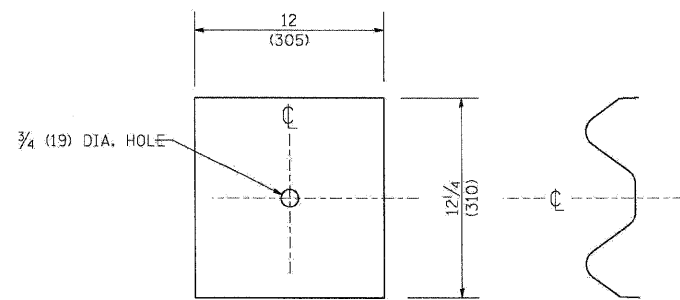
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



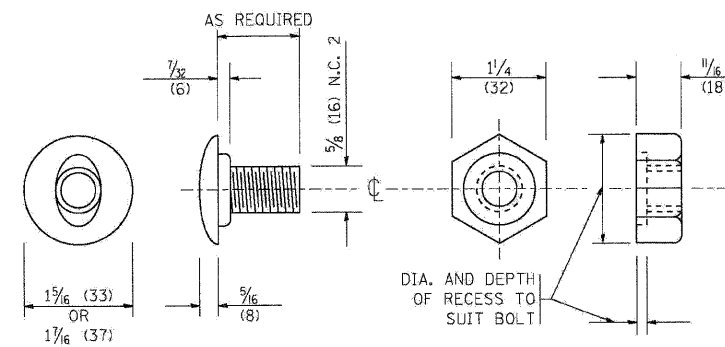
WOOD POST CONSTRUCTION



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

BM-21

FILE NAME =	DESIGNED - AJP	REVISED -
...prpln-ABC-C3.01_BM-21B.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

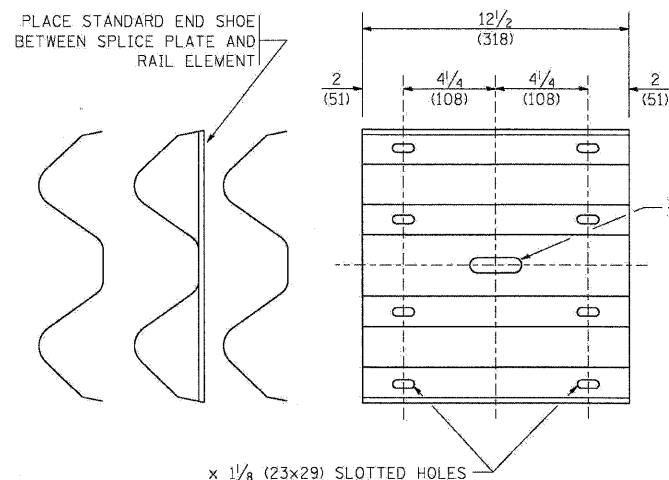
**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE AND REERECT GUARDRAIL**

SCALE: N.T.S. SHEET NO. 10 OF 20 SHEETS STA. TO STA.

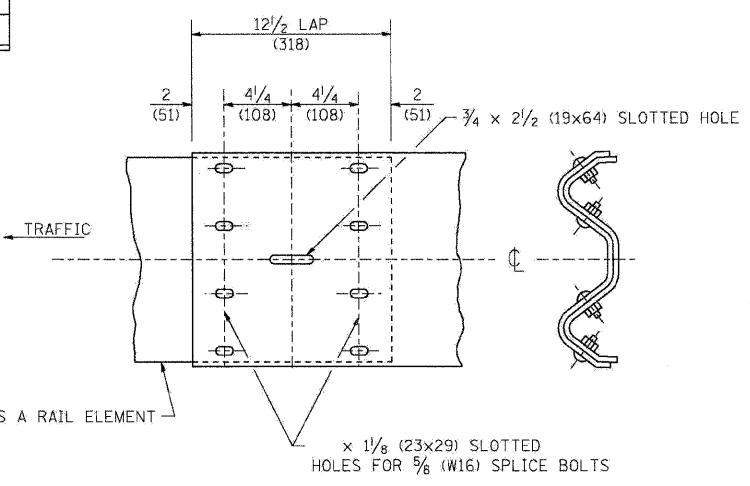
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	191
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



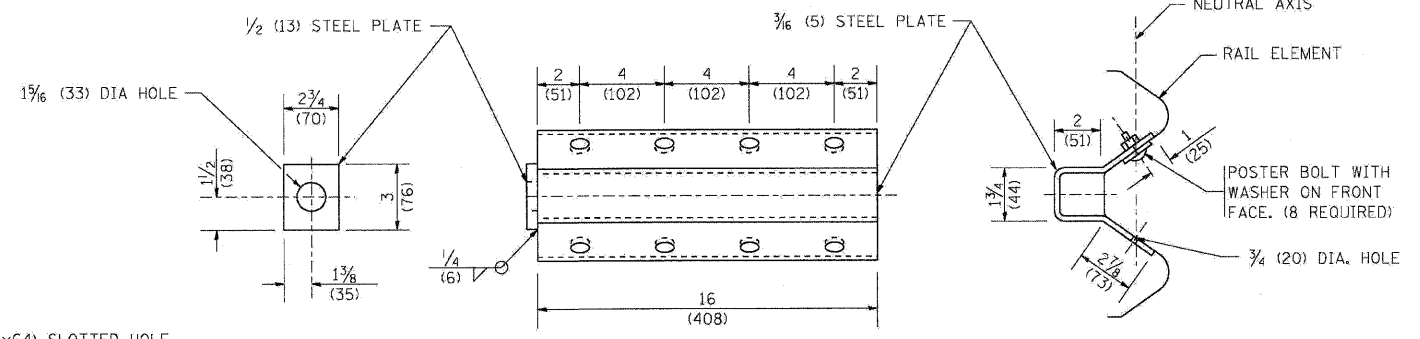
PLACE STANDARD END SHOE BETWEEN SPLICE PLATE AND RAIL ELEMENT

x 1/8 (23x29) SLOTTED HOLES

**SPLICE PLATE**

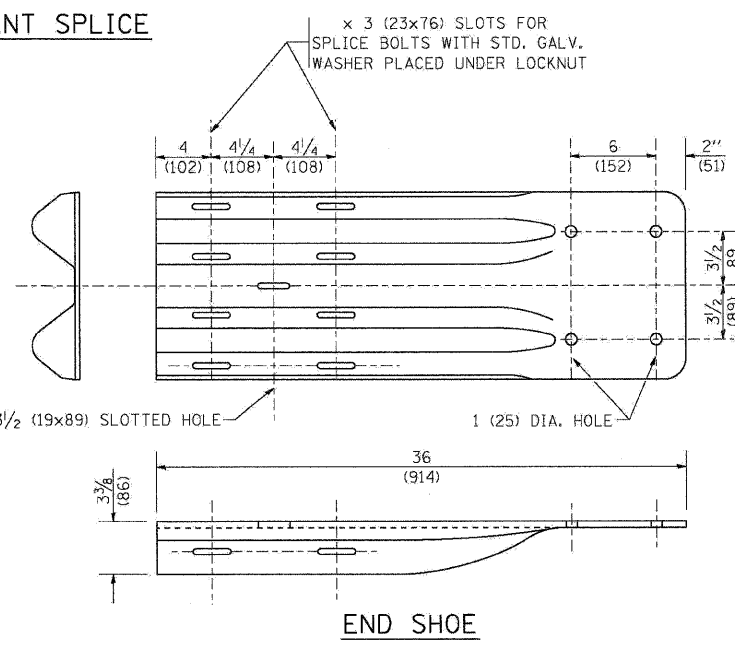
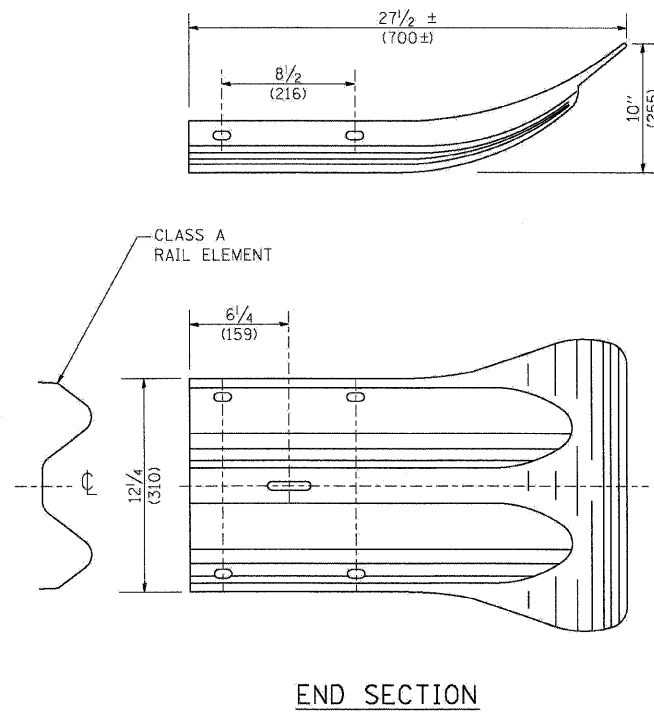


**RAIL ELEMENT SPLICE**

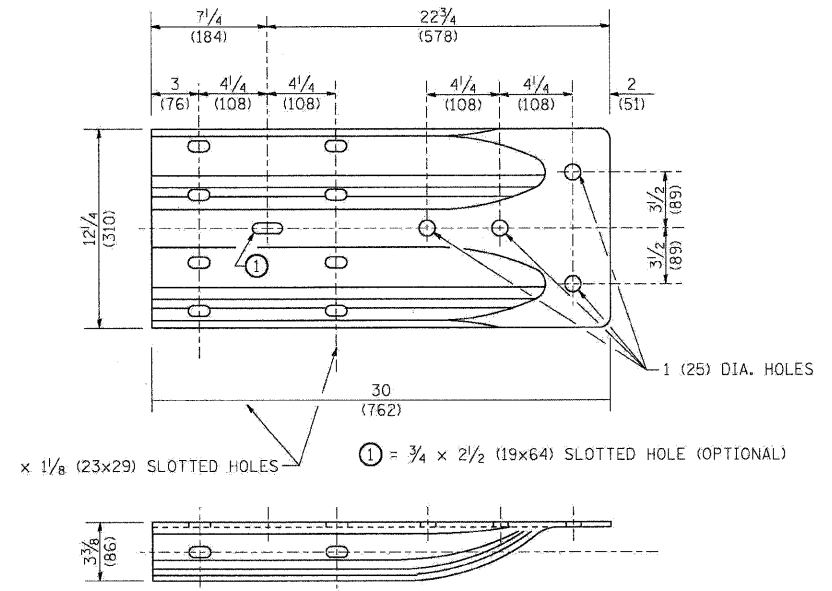


**NOTE:**  
ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

**ANCHOR PLATE T DETAILS**



**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 -
...n\p\in_abc_c3_d1_bm-21c.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

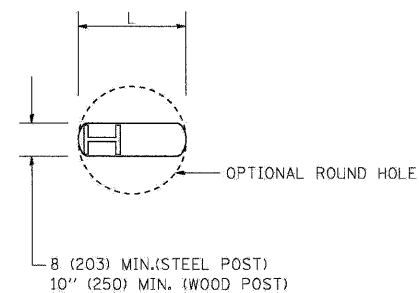
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE AND REERECT GUARDRAIL**

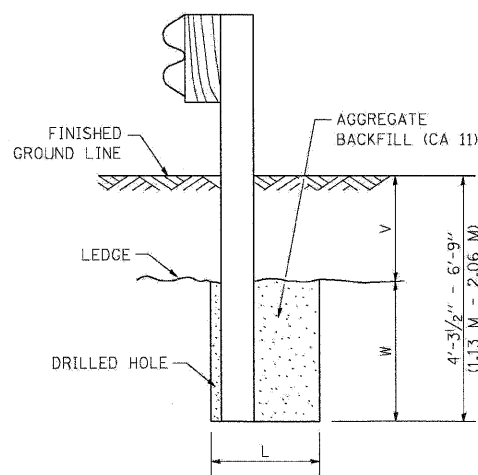
SCALE: N.T.S. SHEET NO. 11 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	192
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60K11		

**BM-21**



PLAN

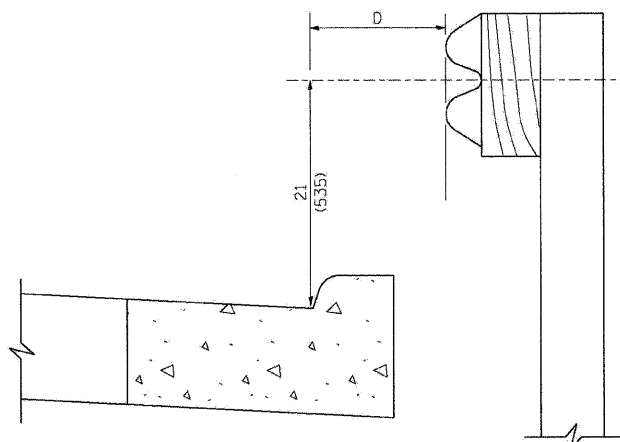


NOTE:

LEDGE LINE IS TOP OF ROCK LEDGE OR HARD SLAC FILL.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

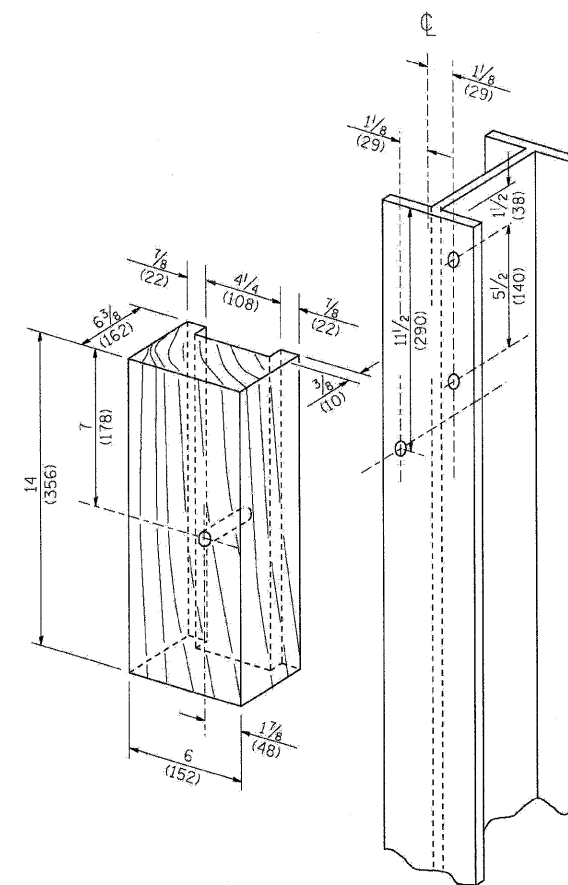


NOTE:

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. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

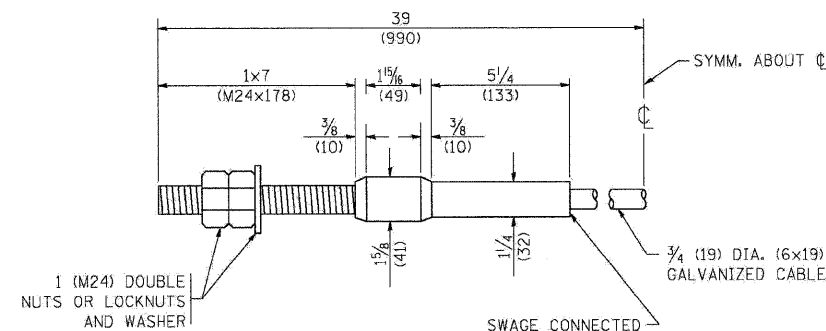
GUARDRAIL PLACED BEHIND CURB

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



WOOD BLOCK-OUT AND STEEL POST DETAILS

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)



CABLE ASSEMBLY

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

FILE NAME =	DESIGNED - AJP	REVISED -
...prpIn_ABC_C3_DL_BM-21D.dgn	DRAWN - TMB	REVISED -
USER NAME = majewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

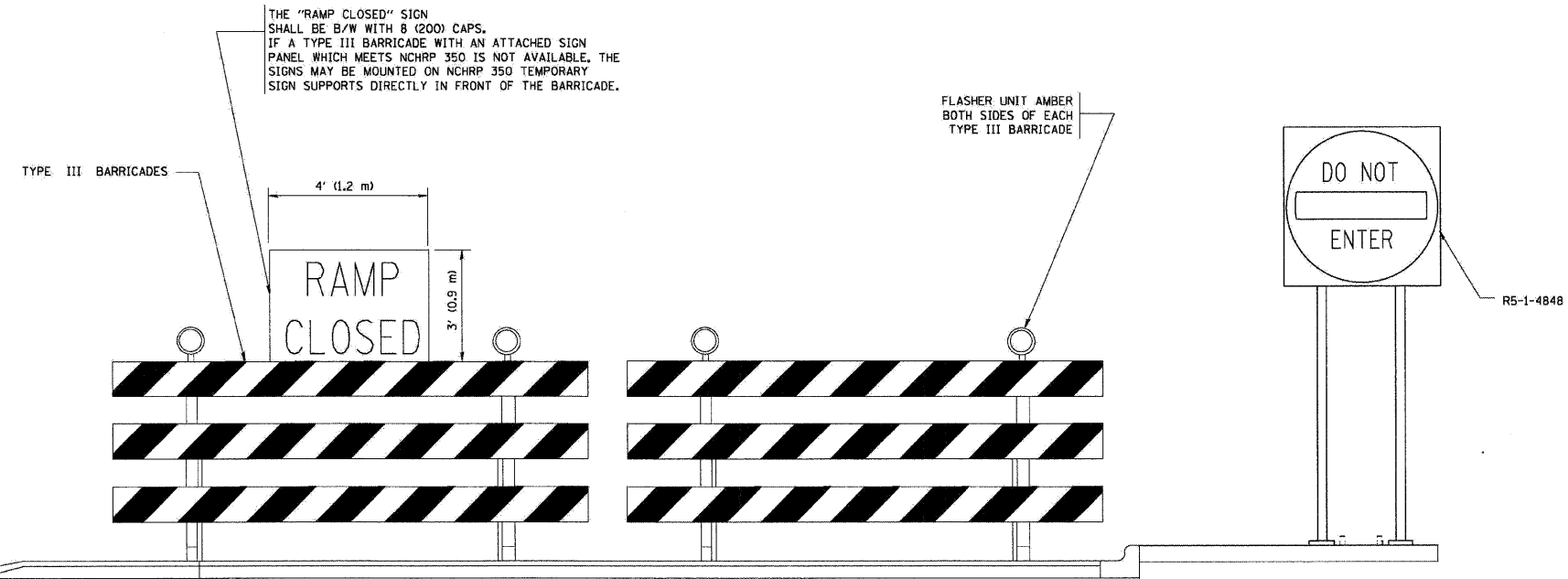
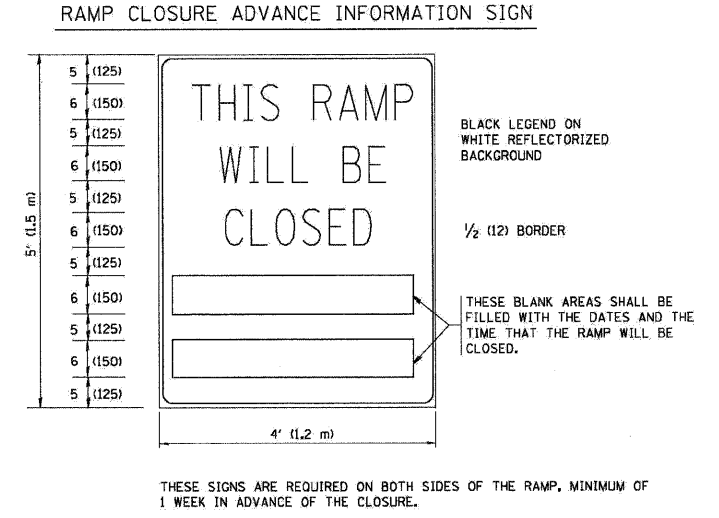
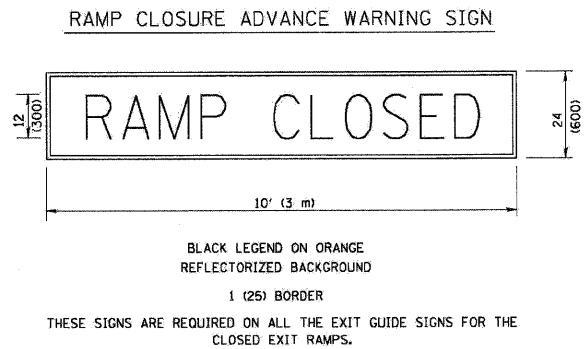
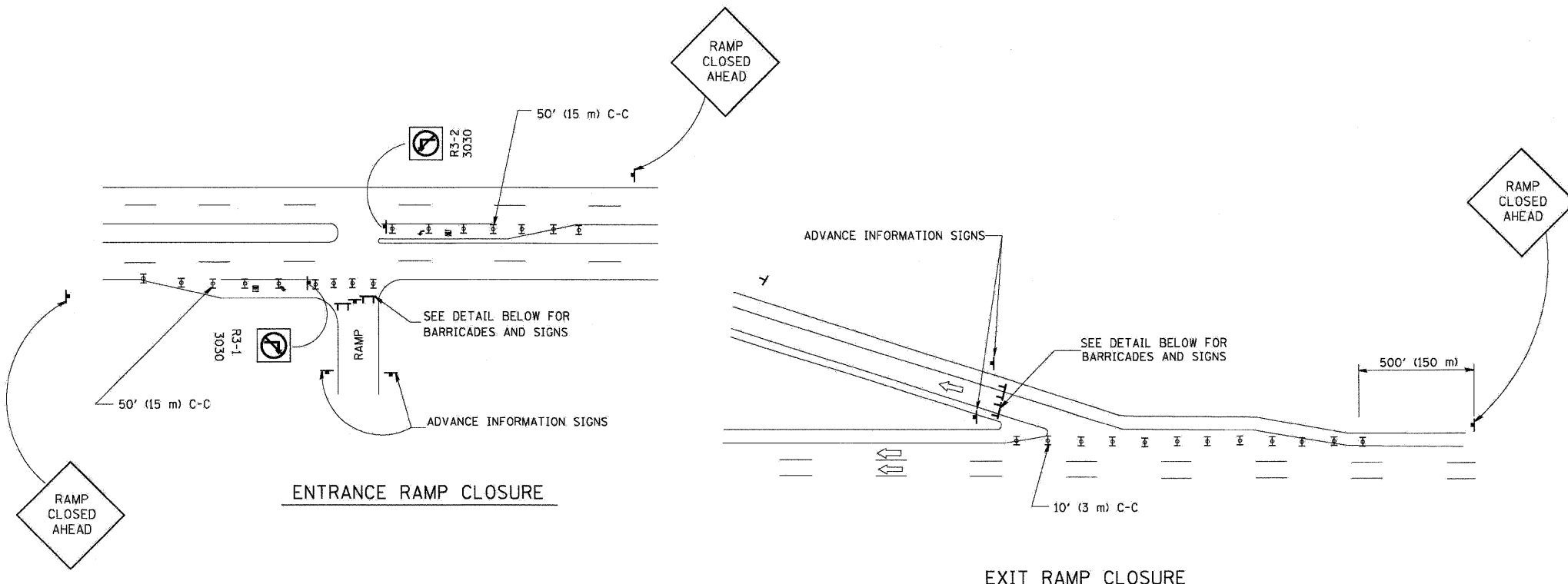
benesch

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REMOVE AND REERECT GUARDRAIL

SCALE: N.T.S. SHEET NO. 12 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-B	COOK	201	193
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	



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.

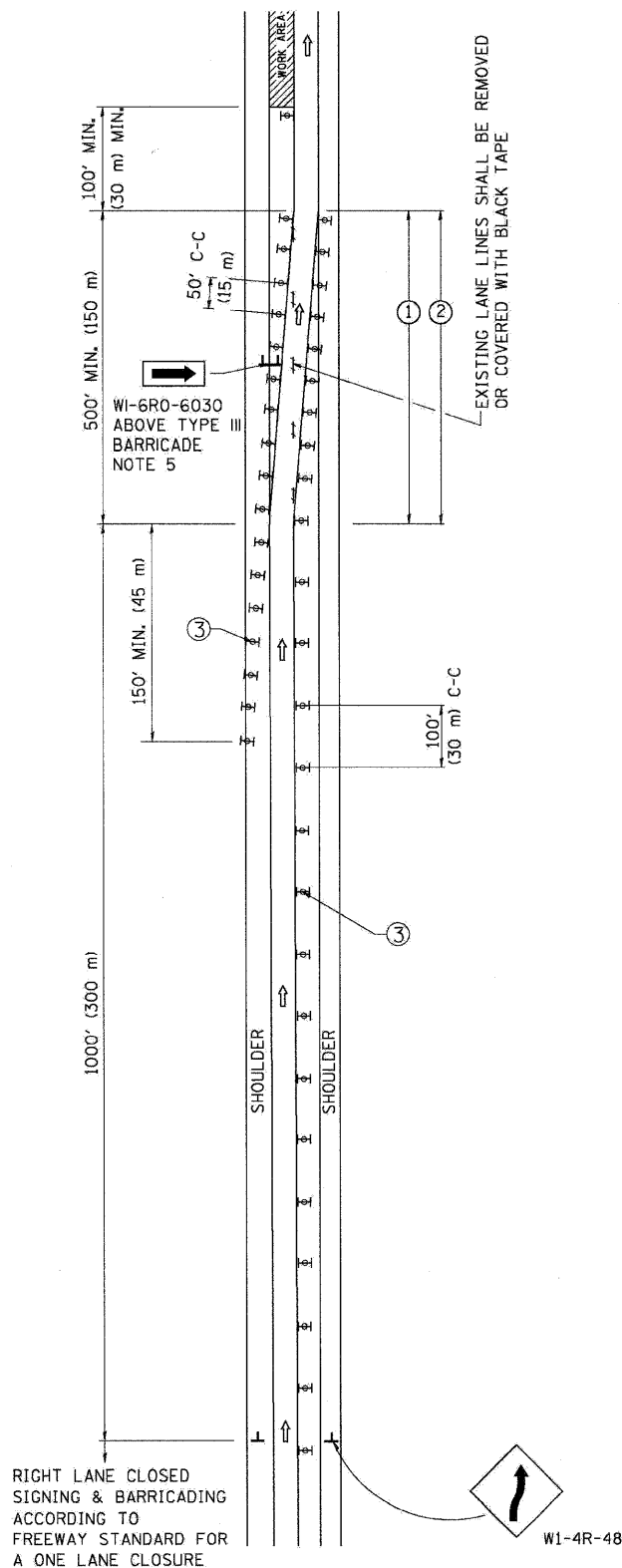
FILE NAME =	DESIGNED - AJP	REVISED -
...ppr\h.abc.c3.d1.tc-8.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

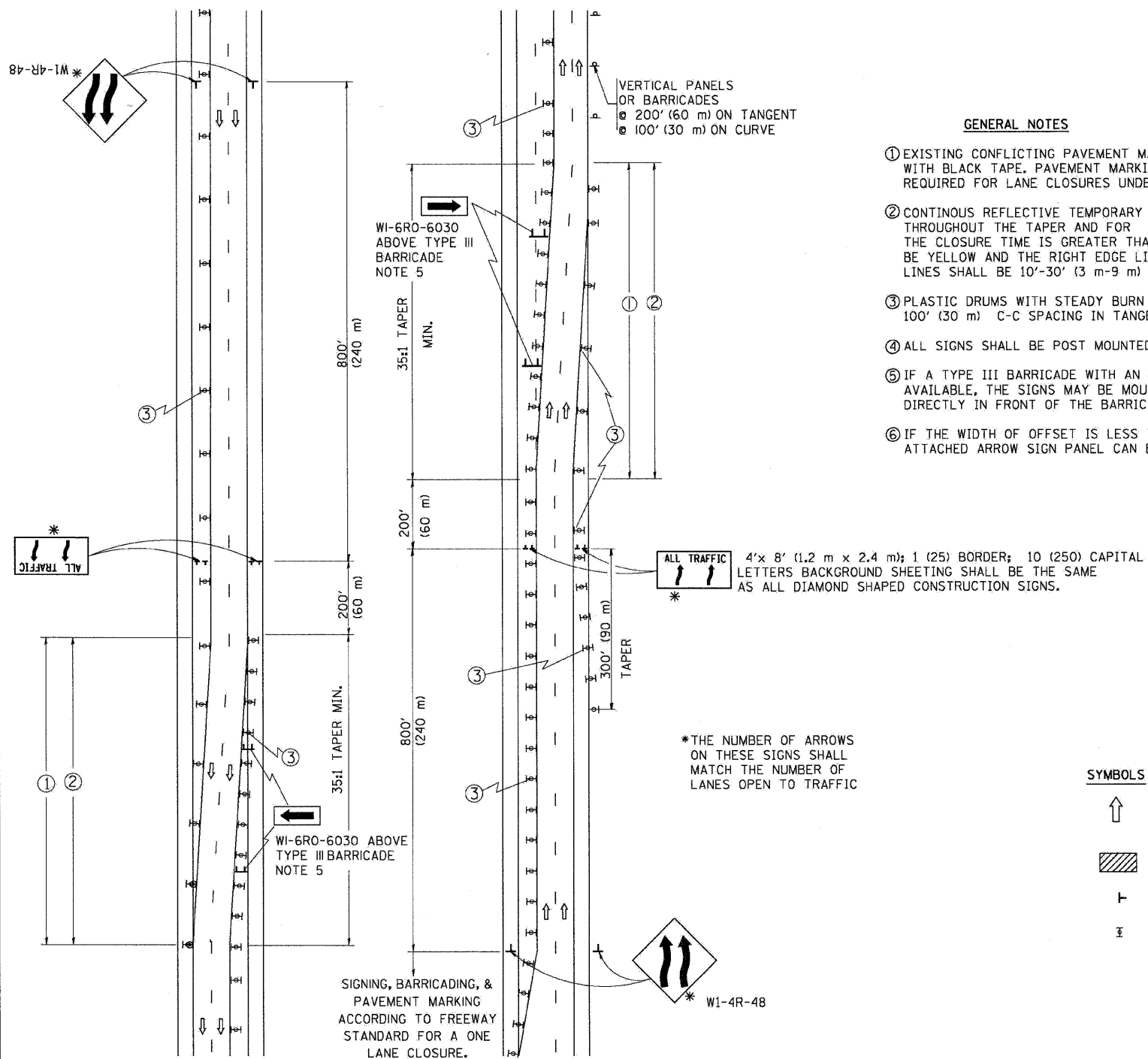
<b>ENTRANCE AND EXIT RAMP CLOSURE DETAILS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.	SHEET NO. 13 OF 20 SHEETS	290	(2525, ETC., 2727)RS-8	COOK	201	194
STA.	TO STA.	CONTRACT NO. 60K11				
		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

TC-08

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

- ① 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.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ 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.
- ⑥ 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 -
...\\prpln\ABL\C3\01\10-9.dgn	DRAWN - TMB	REVISED -
USER NAME - gnojewski	CHECKED - JMM	REVISED -
PLOT DATE - 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

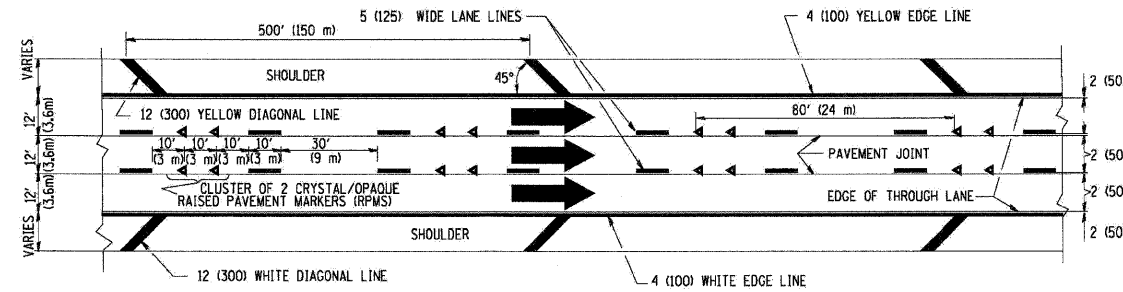
**TRAFFIC CONTROL DETAILS FOR  
FREEWAY SINGLE & MULTI-LANE WEAVE**

SCALE: N.T.S. SHEET NO. 14 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	195
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60K11	



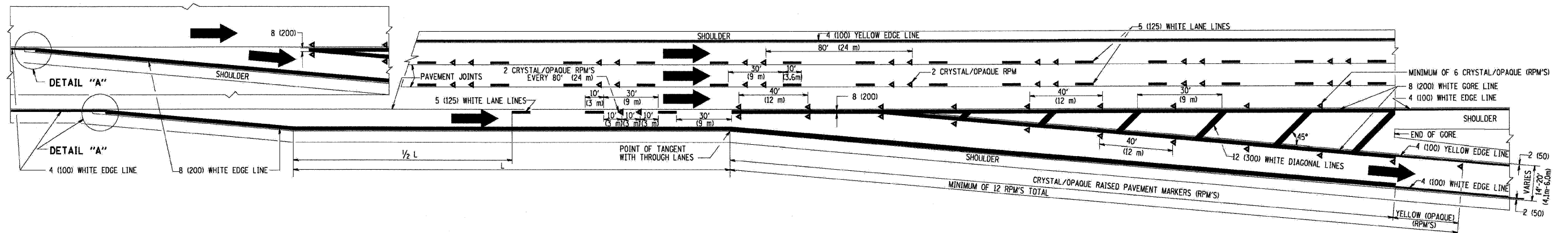
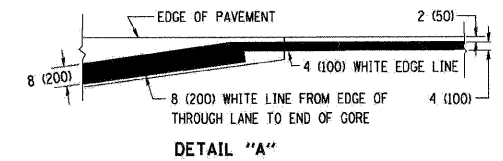
THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH  
 THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH



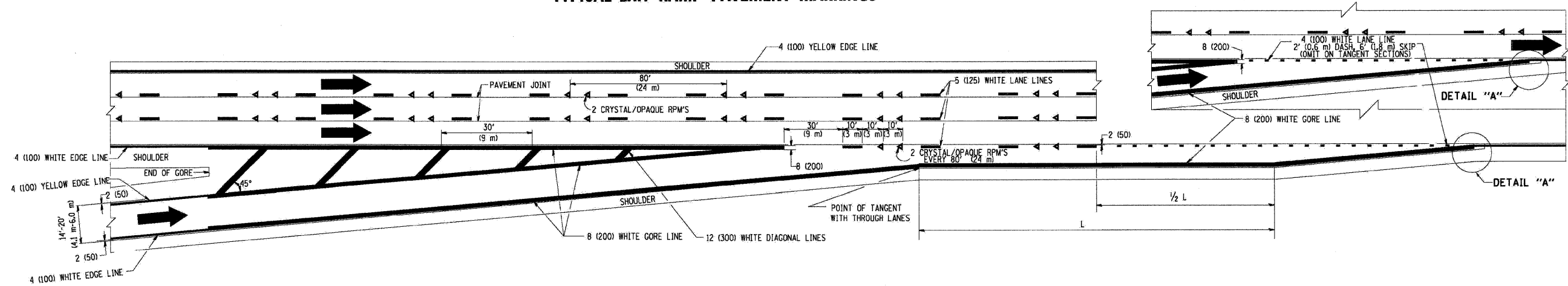
TYPICAL EDGE LINES & LANE LINES

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

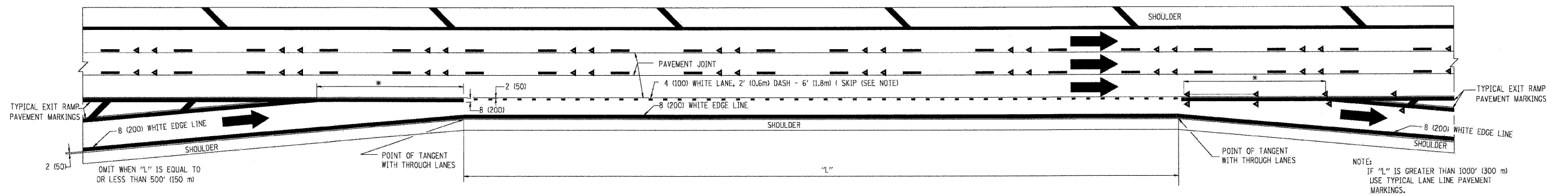


TYPICAL EXIT RAMP PAVEMENT MARKINGS

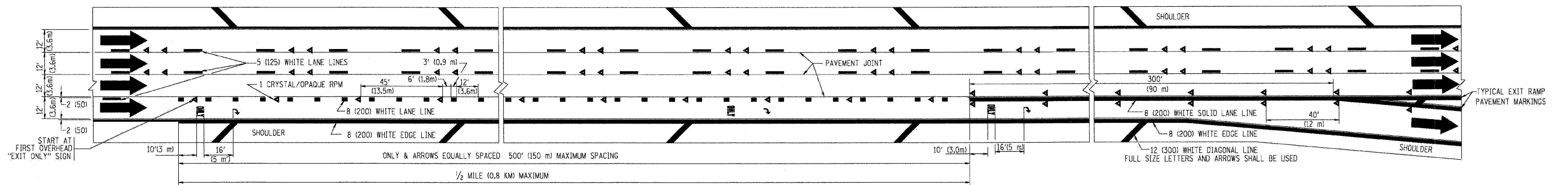


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

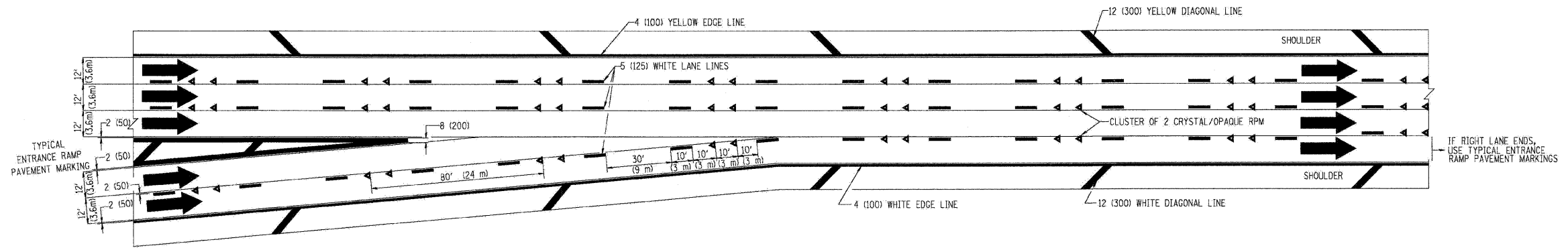
FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-LANE FREEWAY PAVEMENT MARKING</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\prpln\ABC_C3_01_TC-12A.dgn	DRAWN - TMB	REVISED -					290	(2525, ETC., 2727RS-8	COOK	201	196
USER NAME = jmajewski	CHECKED - JMM	REVISED -					CONTRACT NO. 60K11				
DATE = 1/25/2010	DATE = 1/25/10	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
			SCALE: N.T.S.		SHEET NO. 15 OF 20 SHEETS		STA. TO STA.				



**TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS**



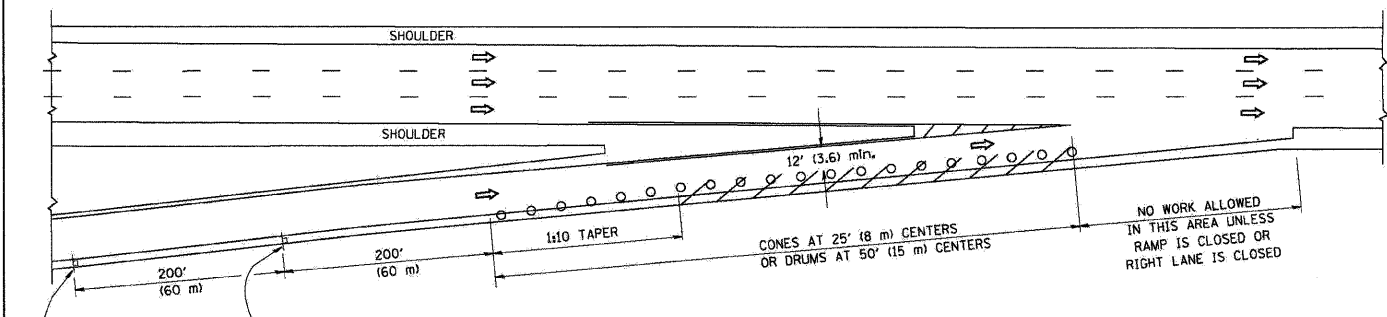
**TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS**



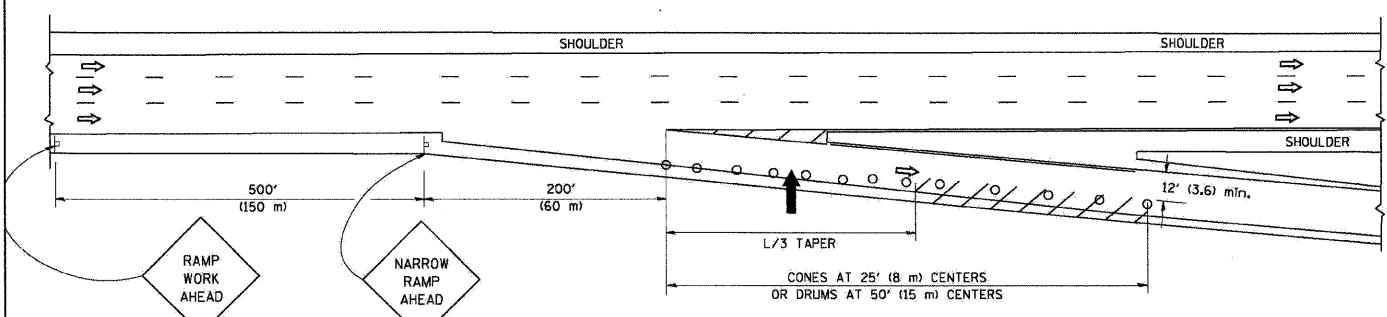
**TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS**

FILE NAME =	DESIGNED - AJP	REVISED -	<b>benesch</b>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-LANE FREEWAY PAVEMENT MARKING</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...p\p1n ABC_C3_01_TC-12B.dgn	DRAWN - TMB	REVISED -						290	(2525, ETC., 2727)RS-8	COOK	201	197
USER NAME = jnojewski	CHECKED - JMM	REVISED -						CONTRACT NO. 60K11				
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -						ILLINOIS FED. AID PROJECT				
				SCALE: N.T.S. SHEET NO. 16 OF 20 SHEETS STA. TO STA.								

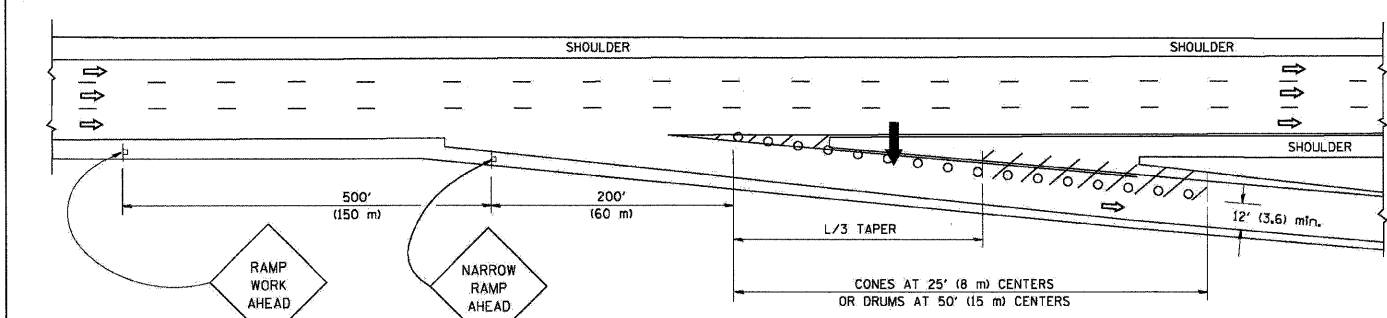
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

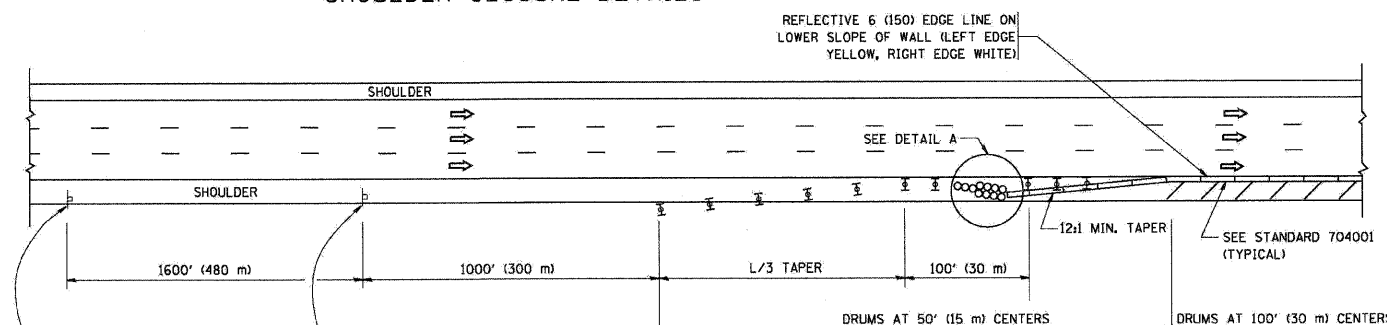
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

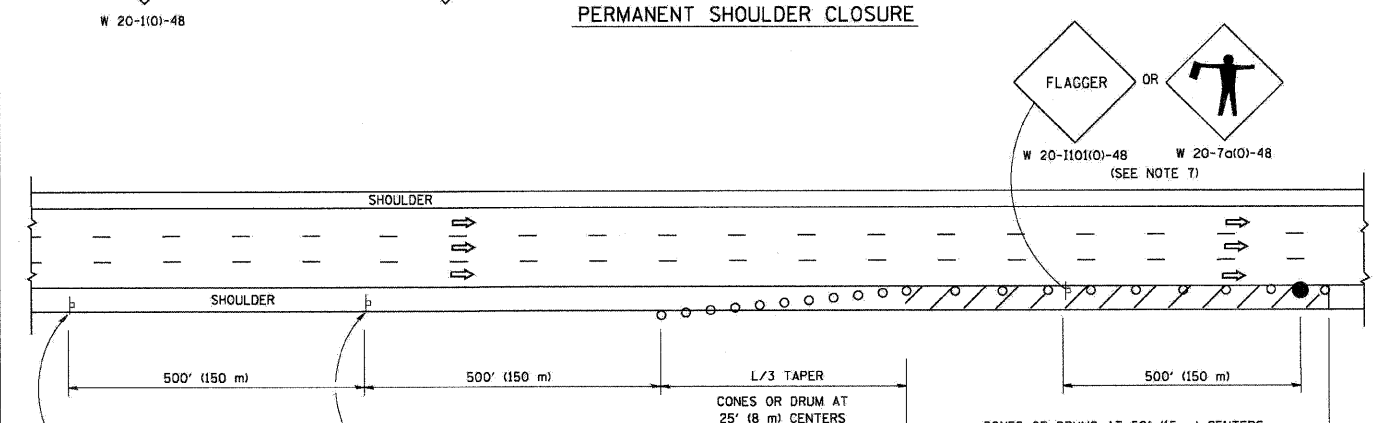
1. THE "L" DISTANCE EQUALS:
 

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



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

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

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

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

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

FILE NAME =	DESIGNED - AJP	REVISED -
...prpln_AB2_C3.D1.TC-17.dgn	DRAWN - TMB	REVISED -
USER NAME = gajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

benesch

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

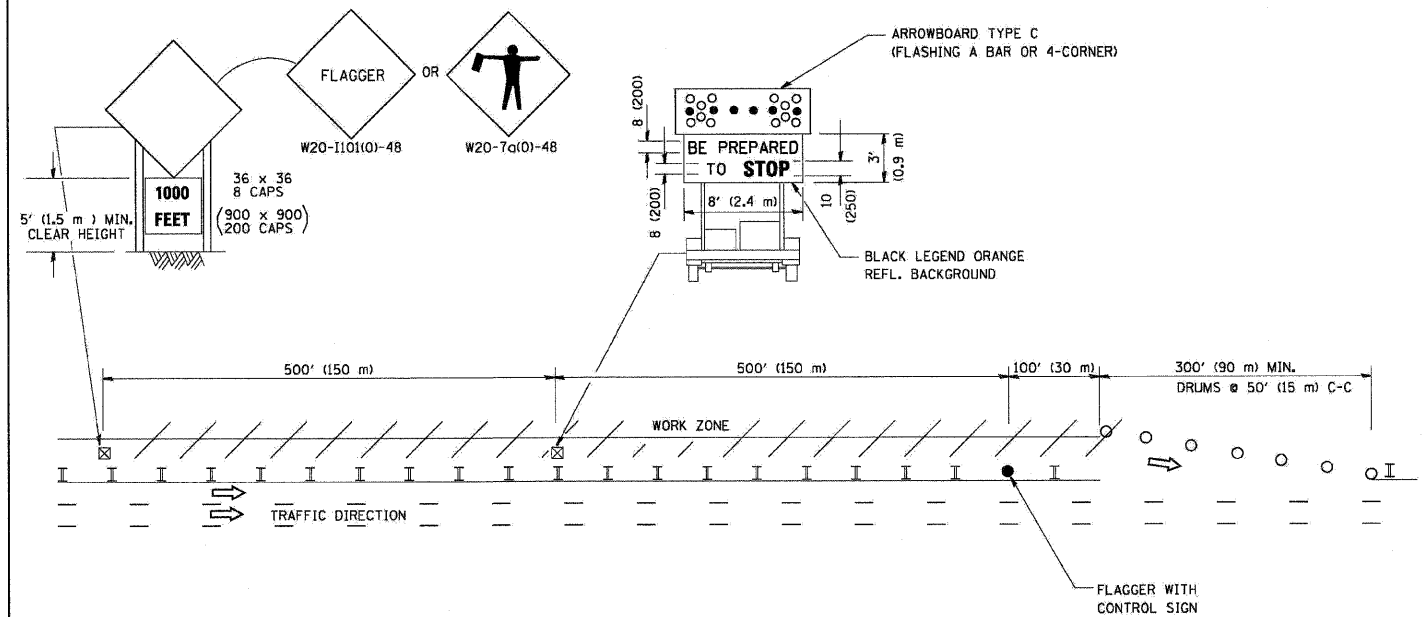
TRAFFIC CONTROL FOR SHOULDER CLOSURES  
AND PARTIAL RAMP CLOSURES

SCALE: N.T.S. SHEET NO. 17 OF 20 SHEETS STA. TO STA.

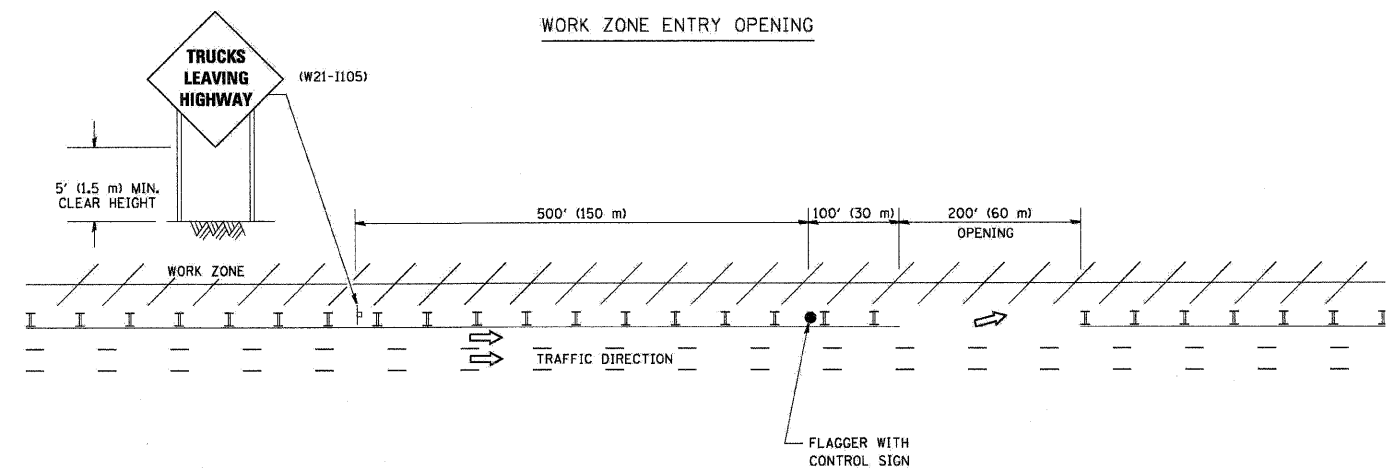
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	198
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

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 -
...\\prpln\ABC_C3.D1.TC-18.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 1/25/2010	DATE - 1/25/10	REVISED -

**benesch**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

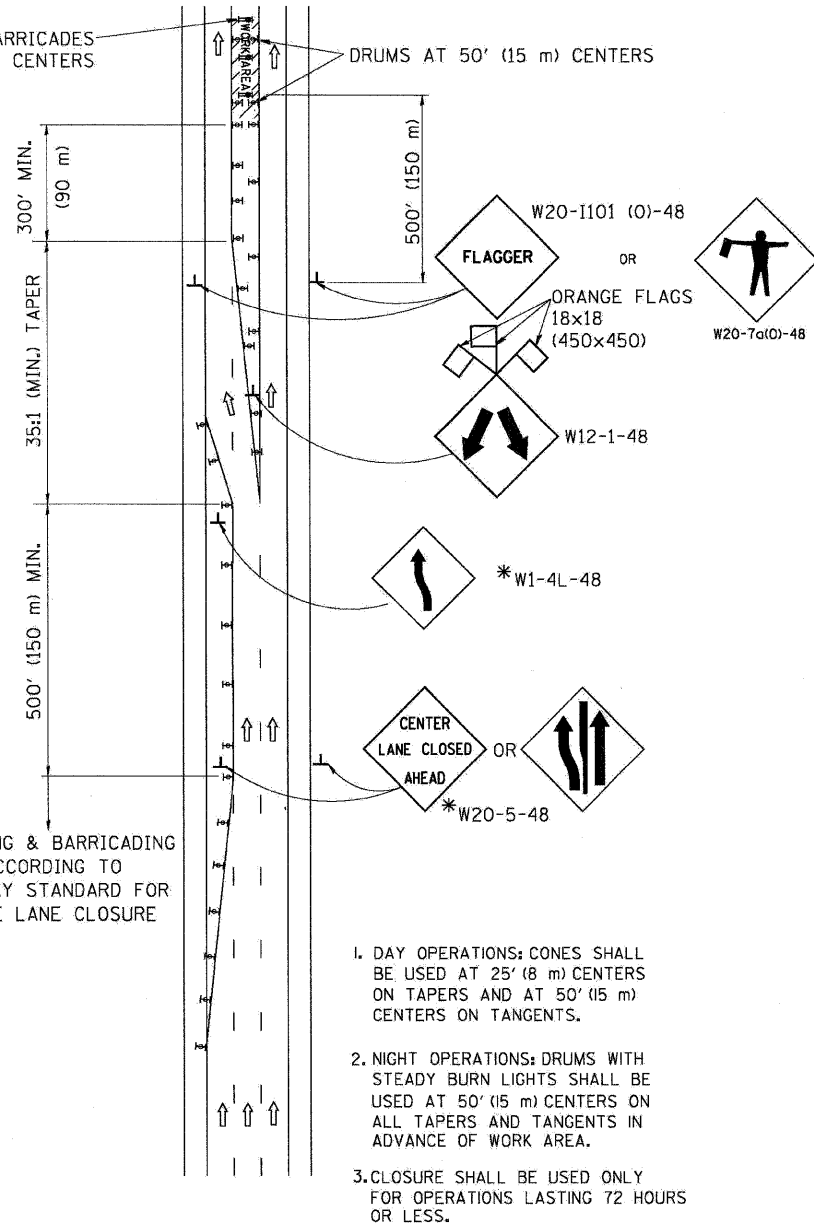
**SIGNING FOR FLAGGING OPERATIONS AT  
WORK ZONE OPENINGS**

SCALE: N.T.S. SHEET NO. 18 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	199
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	

# CENTER LANE CLOSURE

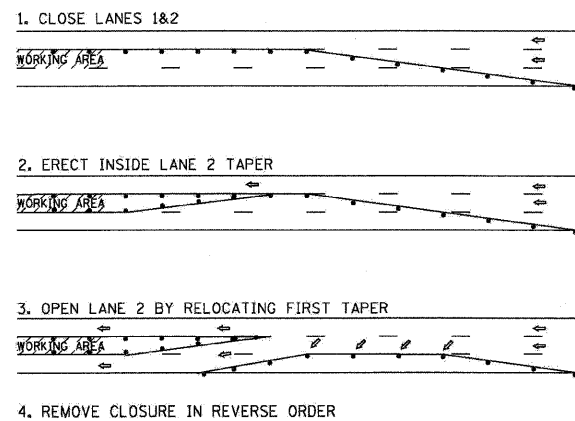
TYPE I CHECK BARRICADES AT 100' (30 m) CENTERS



SIGNING & BARRICADING ACCORDING TO FREEWAY STANDARD FOR A ONE LANE CLOSURE

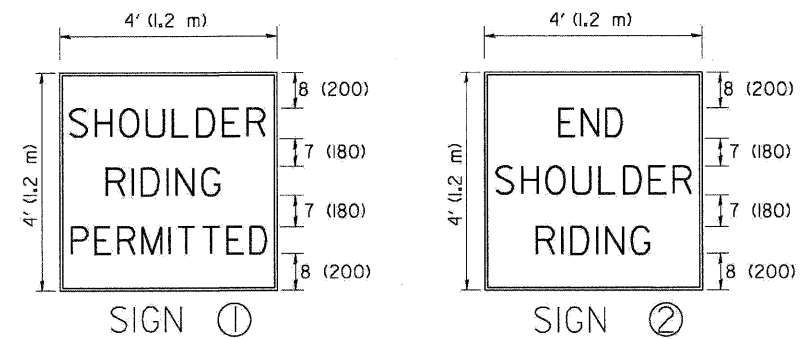
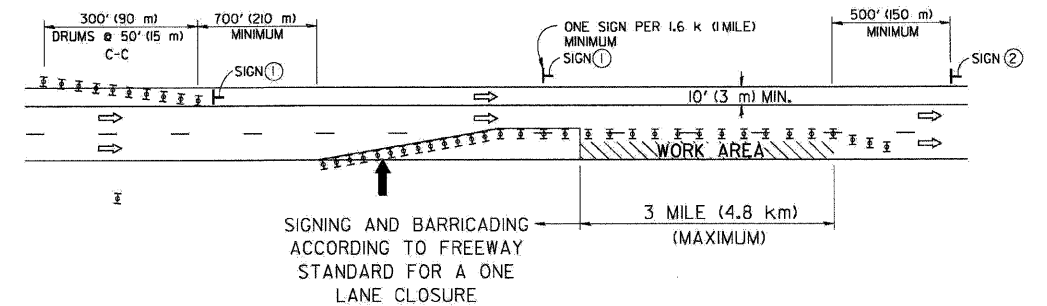
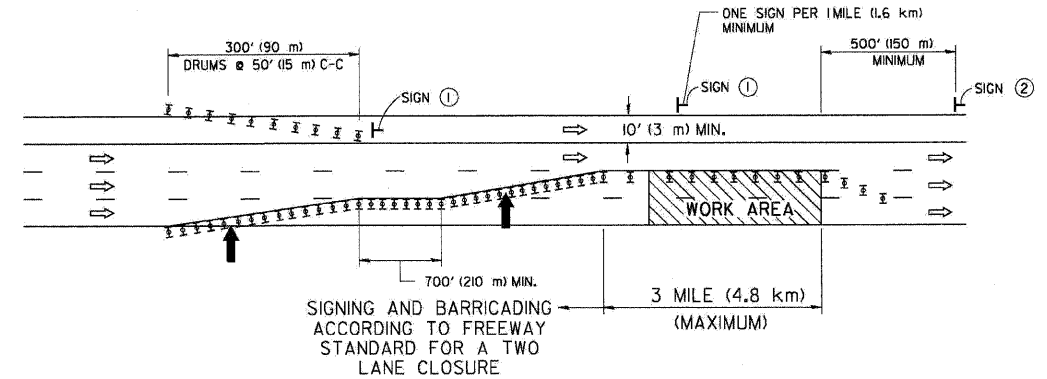
1. DAY OPERATIONS: CONES SHALL BE USED AT 25' (8 m) CENTERS ON TAPERS AND AT 50' (15 m) CENTERS ON TANGENTS.
2. NIGHT OPERATIONS: DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
3. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.

### INSTALLATION SEQUENCE



# SHOULDER LANE

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



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 -
USER NAME = jmajewski	DRAWN - TMB	REVISED -
DATE = 1/25/10	CHECKED - JMM	REVISED -
	DATE = 1/25/10	REVISED -



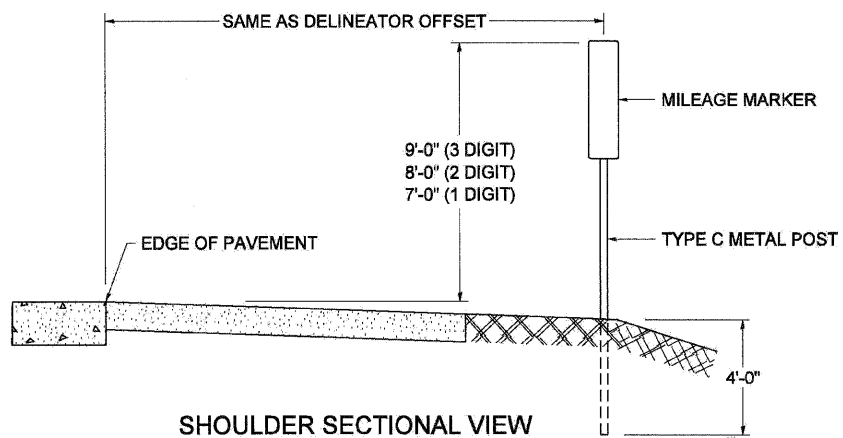
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY  
CENTER LANE CLOSURE SHOULDER LANE

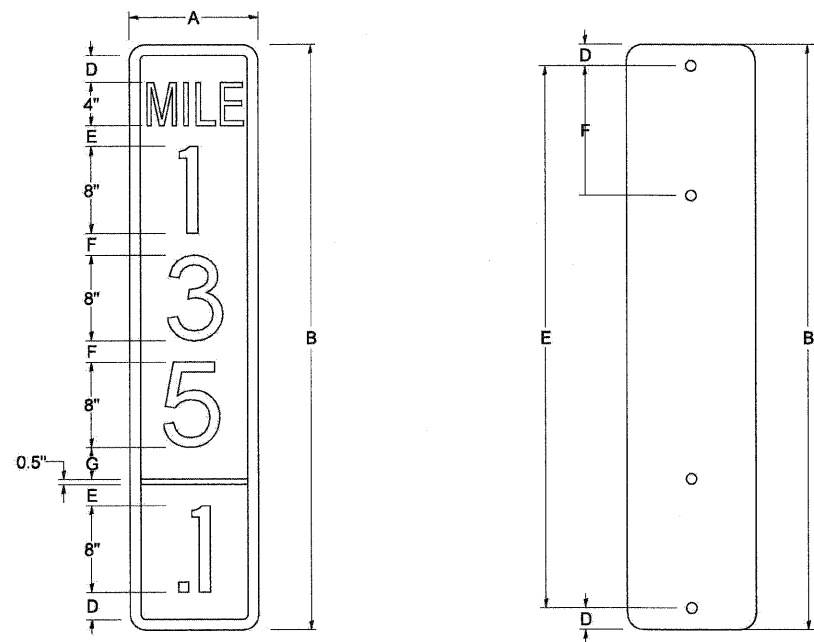
SCALE: N.T.S. SHEET NO. 19 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-8	COOK	201	200
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60K11	

STANDARD DESIGN FOR MILE POST



SHOULDER SECTIONAL VIEW

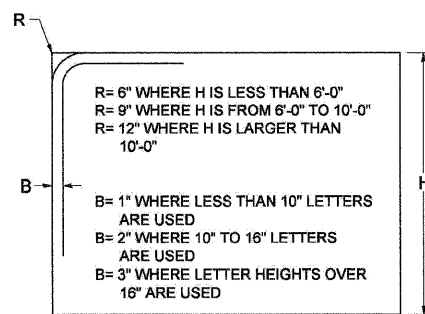


SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	DIGIT
12 x 24	12.0	24.0	1.5	1.5	1.5	N/A	1.5	1
12 x 36	12.0	36.0	1.5	2.0	2.0	2.0	1.5	2
12 x 48	12.0	48.0	1.5	2.5	2.0	2.0	2.5	3

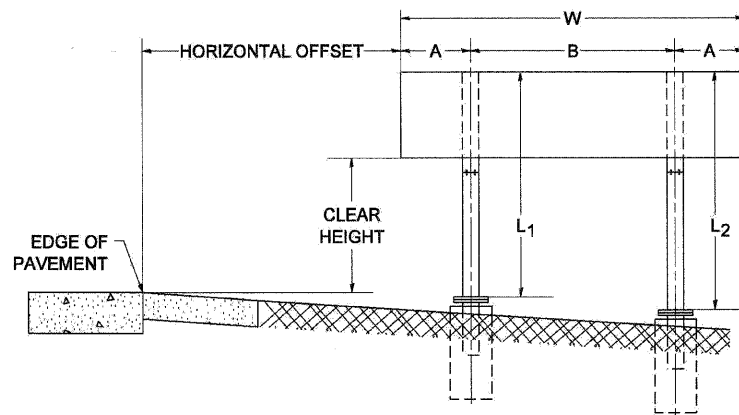
BLANK	A	B	C	D	E	F
B9-1224	12.0	24.0	1.5	2.0	20.0	N/A
B9-1236	12.0	36.0	1.5	2.0	32.0	12.0
B9-1248	12.0	48.0	1.5	2.0	44.0	12.0

SIGN SIZE	SERIES					BORDER	BLANK STD.
	LINES						
	1	2	3	4	5		
12 x 24	4C	8D	4C	N/A	N/A	0.5	B9-1224
12 x 36	4C	8D	8D	4C	N/A	0.5	B9-1236
12 x 48	4C	8D	8D	8D	4C	0.5	B9-1248

BORDER AND RADIUS LAYOUT



MAJOR GUIDE SIGN LAYOUT

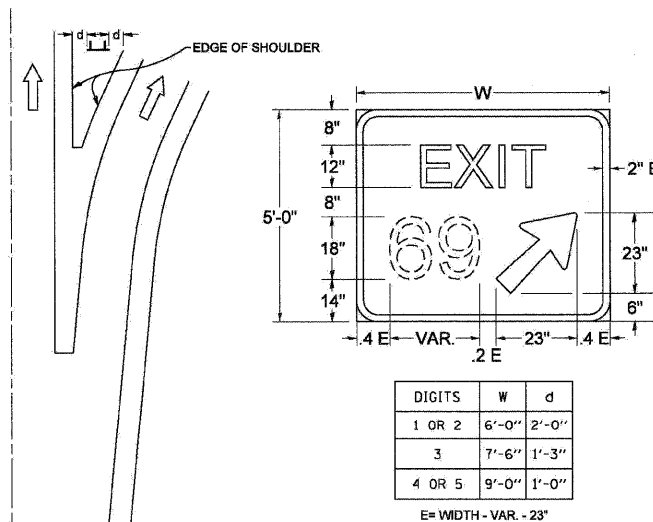


NUMBER OF STEEL SUPPORTS	A	B
2	.2 W	.6 W
3	.15 W	.35 W
4	.125 W	.25 W
5	.1 W	.2 W

"L1" IS THE LENGTH OF SUPPORT, NOT INCLUDING THE STUB PROJECTION, CLOSEST TO THE EDGE OF THE PAVEMENT.

"A" IS THE DISTANCE FROM THE SIGN EDGE TO THE CENTERLINE OF THE NEAREST SUPPORT. "B" IS THE DISTANCE BETWEEN CENTERLINES OF SUPPORTS.

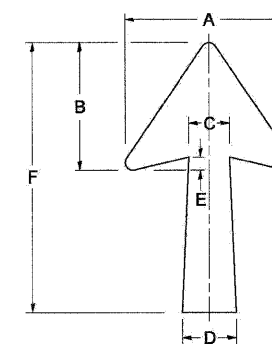
GORE SIGNS



DIGITS	W	d
1 OR 2	6'-0"	2'-0"
3	7'-6"	1'-3"
4 OR 5	9'-0"	1'-0"

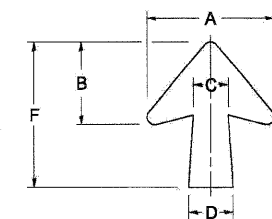
E = WIDTH - VAR - 23"

STANDARD ARROWS FOR INTERSTATE GUIDE SIGNS



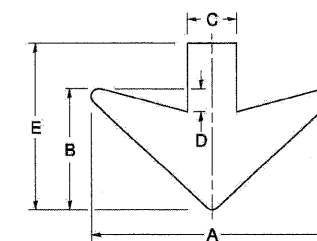
ARROW SYMBOL	A	B	C	D	E	F	R
24 1/4 x 15 1/8	15 1/8	11 3/8	3 3/4	5	1 1/2	24 1/4	9/8
29 1/4 x 18 1/4	18 1/4	14	4 1/2	6	1 1/2	29 1/4	7/4
35 5/8 x 22 1/4	22 1/4	17	5 3/8	7 1/8	1 3/4	35 5/8	1
18 1/4 x 11 1/4	11 1/4	8 3/4	3 1/8	3 3/8		18 1/4	

NOTE: D & F ARE RECOMMENDED DIMENSIONS. TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS



ARROW SYMBOL	A	B	C	D	E	F	R
17 1/4 x 14 1/4	14 1/4	9 3/8	3 3/8	4 1/2	1 1/2	17 1/4	7/4
20 1/4 x 17 1/4	17 1/4	11 3/4	4 3/8	5 1/2	1 1/2	20 1/4	
25 x 21 1/8	21 1/8	14 1/4	5	6 3/4	1 3/4	25	1
9 3/8 x 8 3/8	8 3/8	5 3/8	2 3/8	2 3/8		9 3/8	1/2

DOWN ARROWS



ARROW SYMBOL	A	B	C	D	E	R
16 1/2 x 24	24	12	5	1 1/2	16 1/2	3/4
22 x 32	32	16	6 1/2	3	22	1

FILE NAME = \\ppln\ABC\C3\DI_TC-27.dgn	DESIGNED - AJP	REVISED -
USER NAME = gnojewski	DRAWN - TMB	REVISED -
PLOT DATE = 1/25/2010	CHECKED - JMM	REVISED -
	DATE - 1/25/10	REVISED -

benesch

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MILE POST MARKERS - GORE SIGNS -  
MAJOR GUIDE SIGN LAYOUT - ARROWS

SCALE: N.T.S. SHEET NO. 20 OF 20 SHEETS STA. TO STA.

F.A.T. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(2525, ETC., 2727)RS-B	COOK	201	201
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60K11	