

PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① 4 (100) solid (Yellow)		① ◀ One-way crystal marker at 80' (24.38 m) centers	
② 4 (100) solid (White)		② ◀ One-way crystal marker at 40' (12.19 m) centers	
③ 6 (150) skip dash (Yellow)		③ ◀ One-way amber marker at 40' (12.19 m) centers	
④ 6 (150) skip dash (White)			
⑤ 8 (200) solid (White)		▶ One-way yellow R.R.P.M.	▷ One-way white R.R.P.M.
⑥ 12 (300) diagonal (White)		All dimensions are in Inches (millimeters) unless otherwise shown	
⑦ 24 (600) stop bar (White)			
⑧ Letters and arrows			
⑨ 8 (200) skip dash (White)			
⑩ 8 (200) solid (White)			

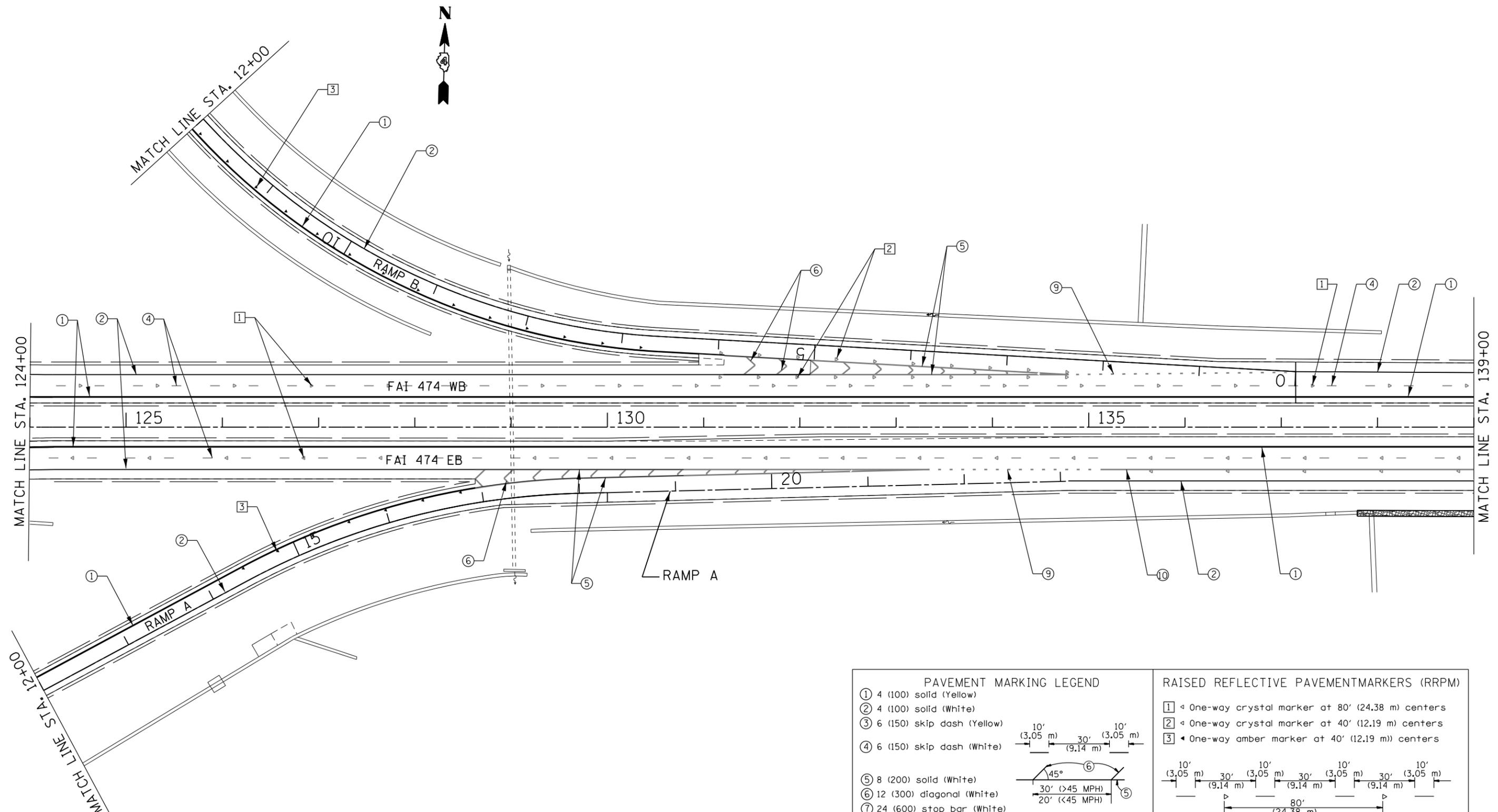


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Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	201
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① 4 (100) solid (Yellow)
- ② 4 (100) solid (White)
- ③ 6 (150) skip dash (Yellow)
- ④ 6 (150) skip dash (White)
- ⑤ 8 (200) solid (White)
- ⑥ 12 (300) diagonal (White)
- ⑦ 24 (600) stop bar (White)
- ⑧ Letters and arrows
- ⑨ 8 (200) skip dash (White)
- ⑩ 8 (200) solid (White)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

- ① ◁ One-way crystal marker at 80' (24.38 m) centers
- ② ◁ One-way crystal marker at 40' (12.19 m) centers
- ③ ◁ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M. ▷ One-way white R.R.P.M.

All dimensions are in inches (millimeters) unless otherwise shown

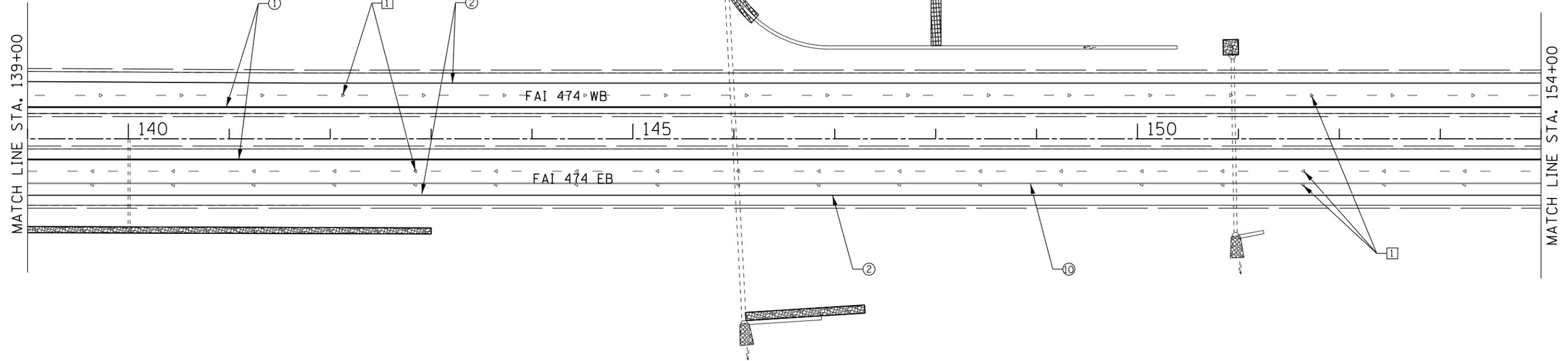
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Default	PLOT SCALE = 100.000 "/ in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	202
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① 4 (100) solid (Yellow)		① ◀ One-way crystal marker at 80' (24.38 m) centers	
② 4 (100) solid (White)		② ◀ One-way crystal marker at 40' (12.19 m) centers	
③ 6 (150) skip dash (Yellow)		③ ◀ One-way amber marker at 40' (12.19 m) centers	
④ 6 (150) skip dash (White)			
⑤ 8 (200) solid (White)			
⑥ 12 (300) diagonal (White)			
⑦ 24 (600) stop bar (White)			
⑧ Letters and arrows			
⑨ 8 (200) skip dash (White)			
⑩ 8 (200) solid (White)			
			▶ One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown

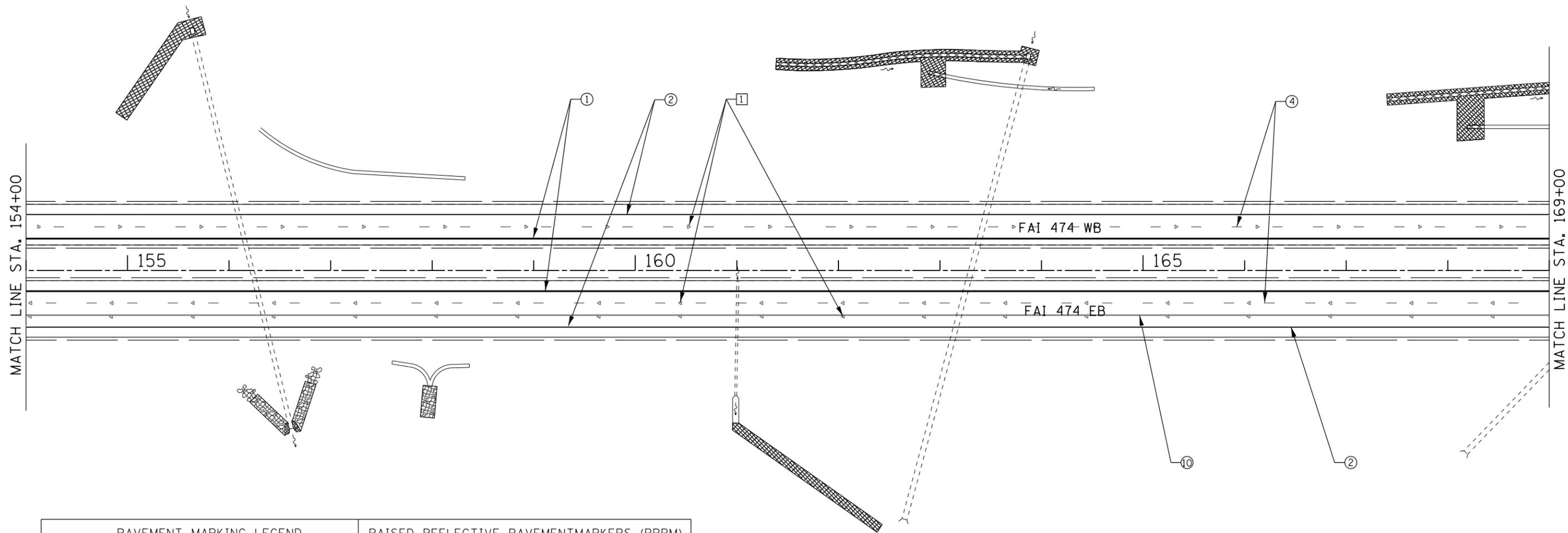


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Default	PLOT SCALE = 100.000' / in.	DATE -	REVISED -
	PLOT DATE = 12/11/2015		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	203
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
⑤ 8 (200) solid (White)	
⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
⑧ Letters and arrows	
⑨ 8 (200) skip dash (White)	
⑩ 8 (200) solid (White)	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

① ◀ One-way crystal marker at 80' (24.38 m) centers
② ◀ One-way crystal marker at 40' (12.19 m) centers
③ ◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M.	▶ One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown

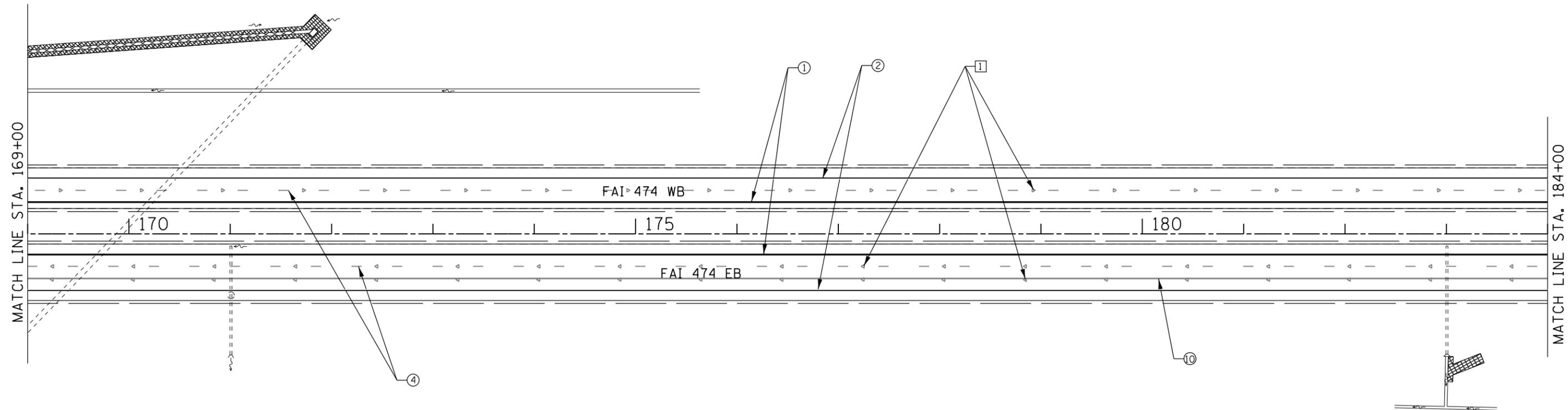


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Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2015	DATE -	REVISED -

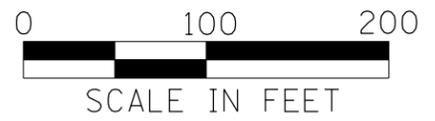
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

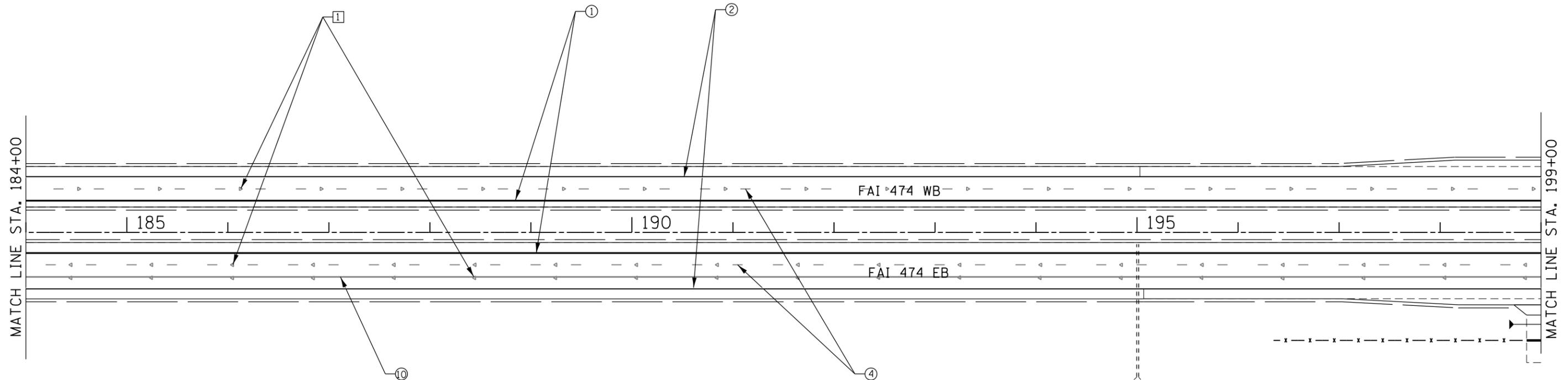
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	204
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① 4 (100) solid (Yellow)		① ◀ One-way crystal marker at 80' (24.38 m) centers	
② 4 (100) solid (White)		② ◀ One-way crystal marker at 40' (12.19 m) centers	
③ 6 (150) skip dash (Yellow)		③ ◀ One-way amber marker at 40' (12.19 m) centers	
④ 6 (150) skip dash (White)			
⑤ 8 (200) solid (White)			
⑥ 12 (300) diagonal (White)			
⑦ 24 (600) stop bar (White)			
⑧ Letters and arrows			
⑨ 8 (200) skip dash (White)			
⑩ 8 (200) solid (White)			
			▶ One-way yellow R.R.P.M. ▶ One-way white R.R.P.M.
All dimensions are in Inches (millimeters) unless otherwise shown			



FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS DETAILS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\GEN\DRAW\STD&PLNS\SQUAD 8\1-474 3R	Project\english files\Pavement marking Details\DRAWN.dgn	CHECKED -	REVISED -						474	90-6,7RS-1	TAZEWELL	245	205
Default	PLOT SCALE = 100.000' / in.	DATE -	REVISED -		CONTRACT NO. 68606				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/11/2015				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

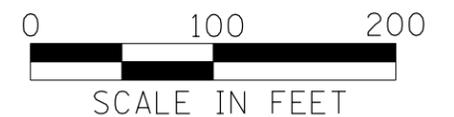


PAVEMENT MARKING LEGEND	
① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
⑤ 8 (200) solid (White)	
⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
⑧ Letters and arrows	
⑨ 8 (200) skip dash (White)	
⑩ 8 (200) solid (White)	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
①	One-way crystal marker at 80' (24.38 m) centers
②	One-way crystal marker at 40' (12.19 m) centers
③	One-way amber marker at 40' (12.19 m) centers

	One-way yellow R.R.P.M.
	One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown



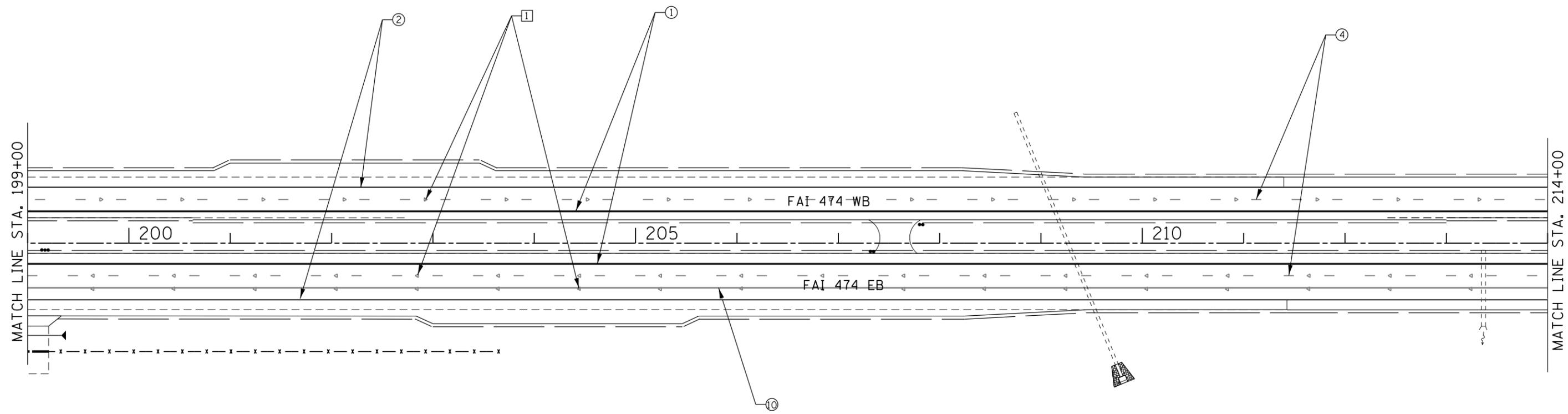
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Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	206
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

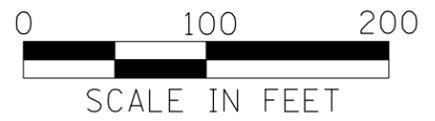
① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
⑤ 8 (200) solid (White)	
⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
⑧ Letters and arrows	
⑨ 8 (200) skip dash (White)	
⑩ 8 (200) solid (White)	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

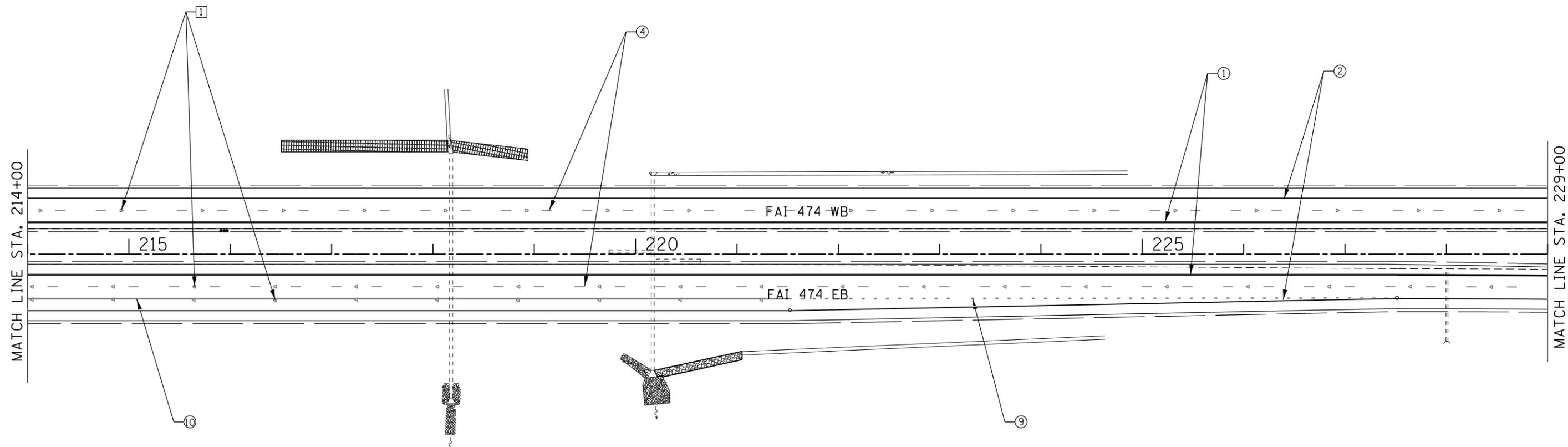
① ◀ One-way crystal marker at 80' (24.38 m) centers
② ◀ One-way crystal marker at 40' (12.19 m) centers
③ ◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M.	▷ One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown



FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS DETAILS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\GEN\DRAW\STD&PLNS\SQUAD 8\1-474 3R	Project\english files\Pavement marking Detail\DRAWN.dgn	CHECKED -	REVISED -						474	90-6,7RS-1	TAZEWELL	245	207
Default	PLOT SCALE = 100.000' / in.	DATE -	REVISED -		CONTRACT NO. 68606				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/11/2015				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



PAVEMENT MARKING LEGEND

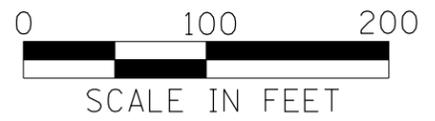
① 4 (100) solid (Yellow)	
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③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
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⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
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▶ One-way yellow R.R.P.M.	▶ One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown

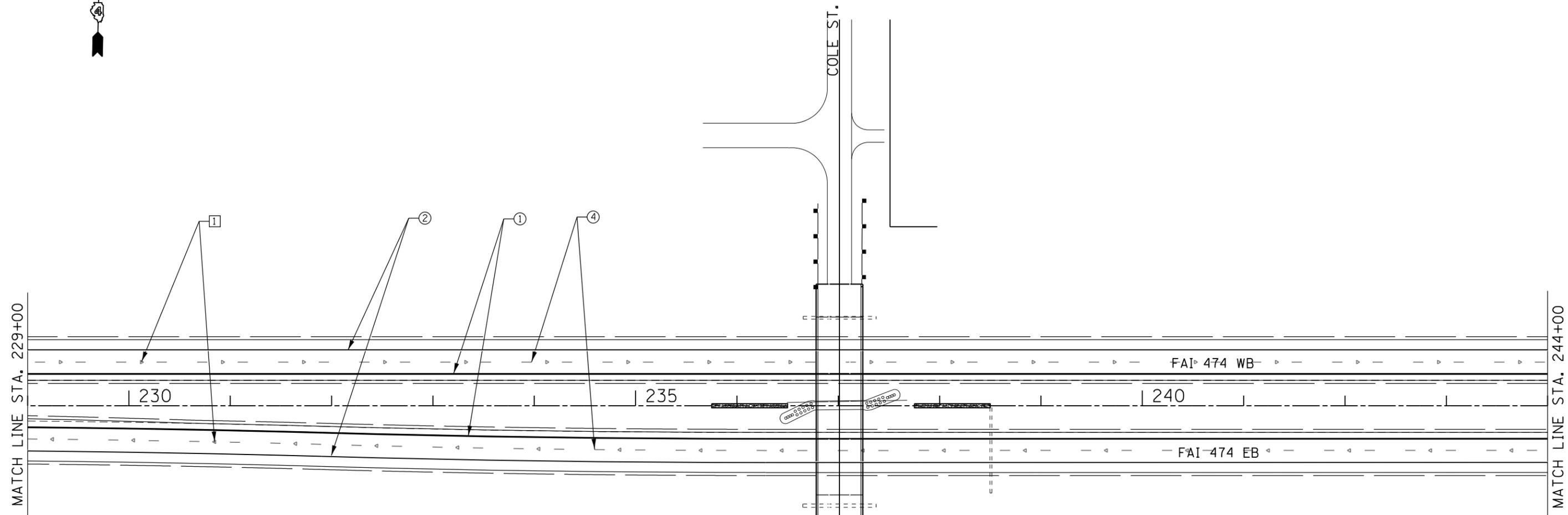


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Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	208
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				

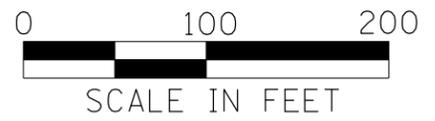


PAVEMENT MARKING LEGEND	
① 4 (100) solid (Yellow)	
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⑩ 8 (200) solid (White)	

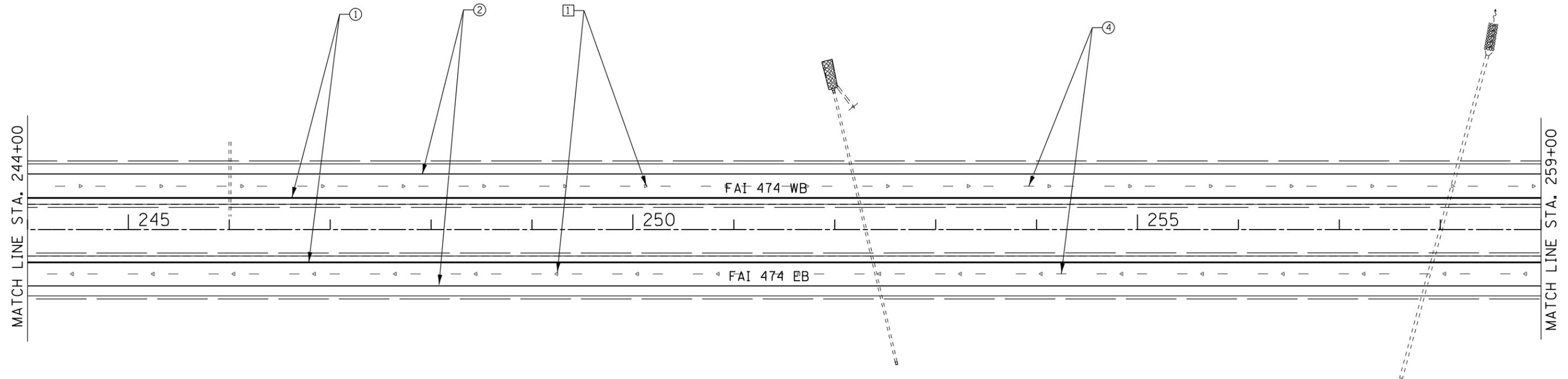
RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① ◀ One-way crystal marker at 80' (24.38 m) centers	
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▶ One-way yellow R.R.P.M.	▷ One-way white R.R.P.M.

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S:\GEN\DRAW\STD&PLNS\SQUAD 8\1-474 3R	Project\english files\Pavement marking Detail\DRAWN.dgn	CHECKED -	REVISED -						474	90-6,7RS-1	TAZEWELL	245	209
Default	PLOT SCALE = 100.000' / in.	DATE -	REVISED -		CONTRACT NO. 68606				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/11/2015				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

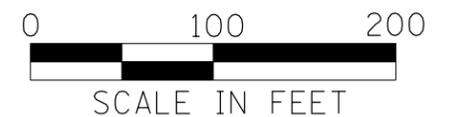


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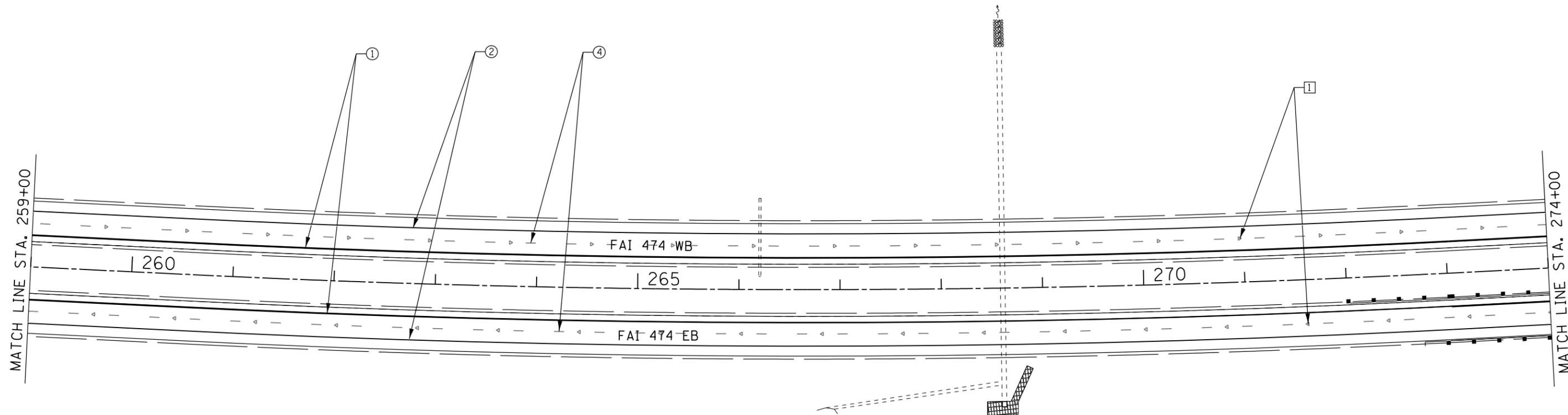


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	210
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

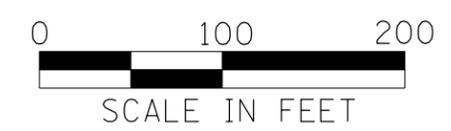
① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
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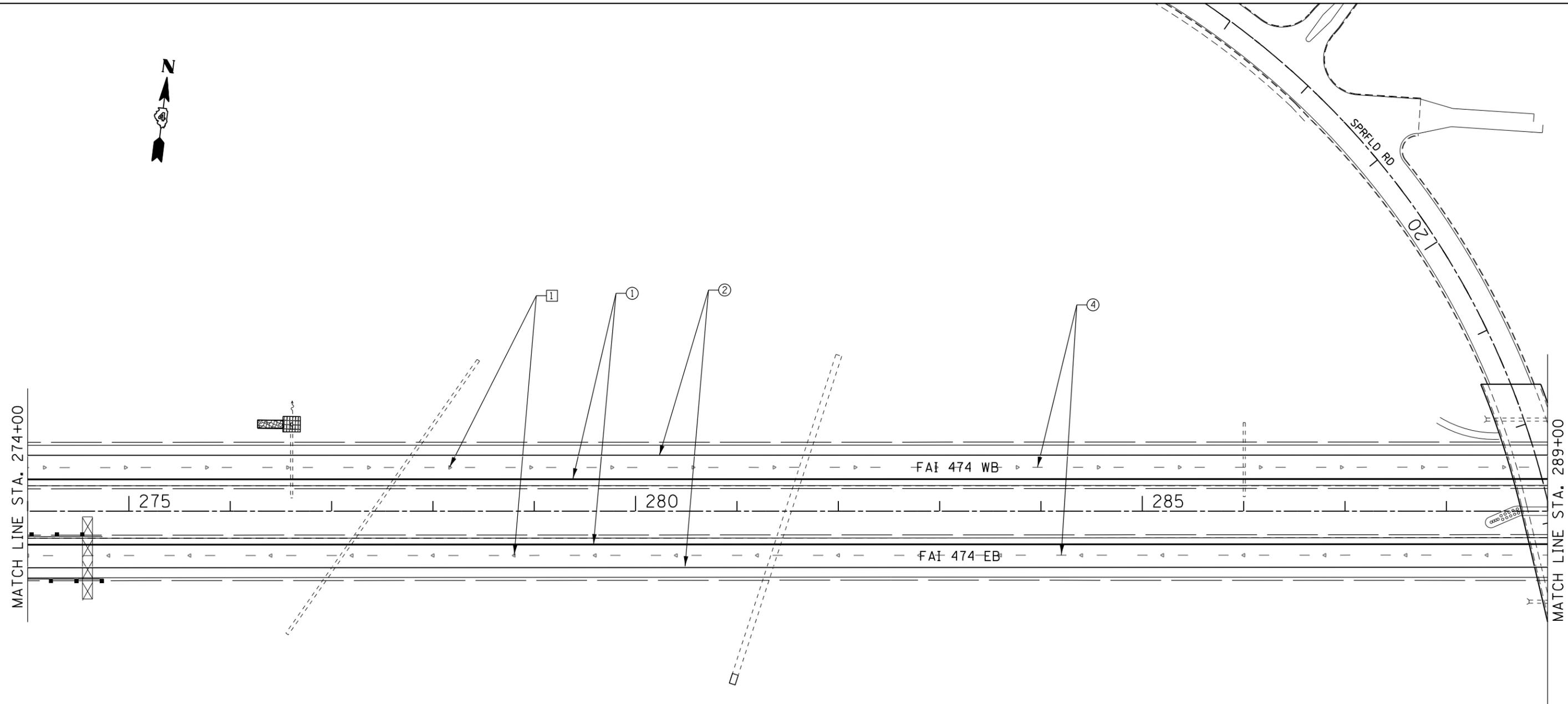


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	211
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

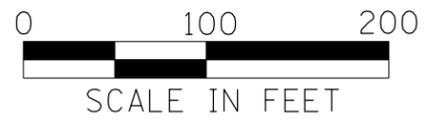
① 4 (100) solid (Yellow)	
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⑥ 12 (300) diagonal (White)	
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RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

① ◀ One-way crystal marker at 80' (24.38 m) centers
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All dimensions are in Inches (millimeters) unless otherwise shown

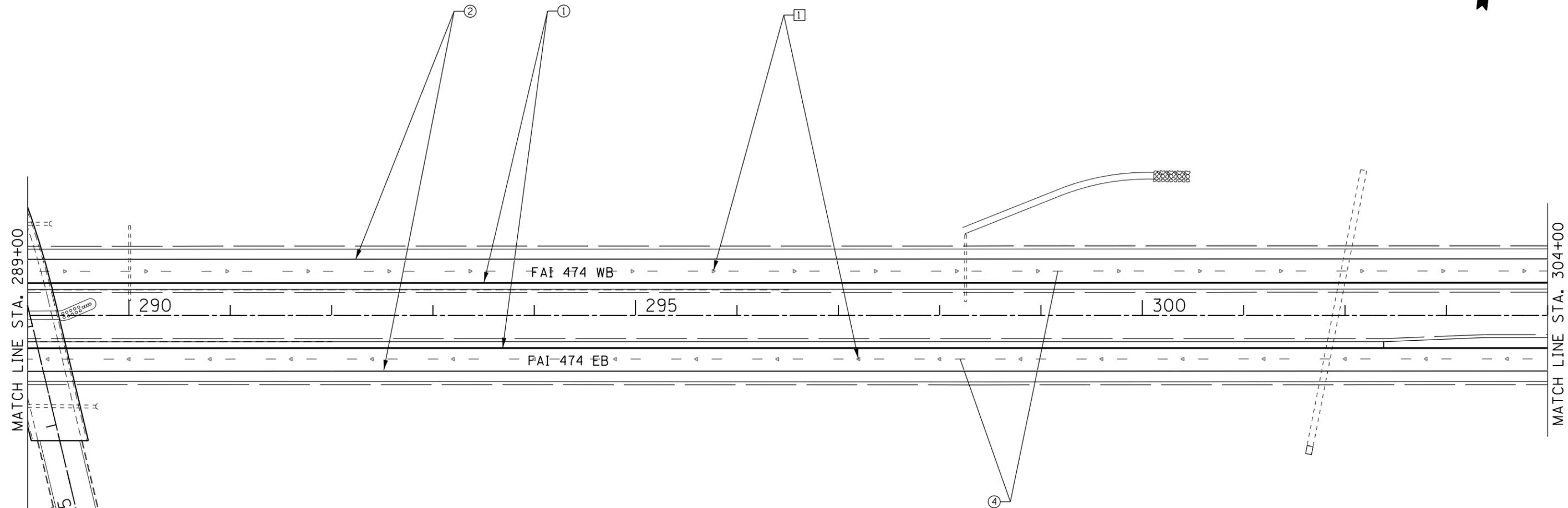


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PAVEMENT MARKINGS DETAILS				
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	212
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 289+00

MATCH LINE STA. 304+00

290

295

300

FAI 474 WB

FAI 474 EB

SPRFLD RD

PAVEMENT MARKING LEGEND	
①	4 (100) solid (Yellow)
②	4 (100) solid (White)
③	6 (150) skip dash (Yellow)
④	6 (150) skip dash (White)
⑤	8 (200) solid (White)
⑥	12 (300) diagonal (White)
⑦	24 (600) stop bar (White)
⑧	Letters and arrows
⑨	8 (200) skip dash (White)
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RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
①	◀ One-way crystal marker at 80' (24.38 m) centers
②	◀ One-way crystal marker at 40' (12.19 m) centers
③	◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M.	▷ One-way white R.R.P.M.
---------------------------	--------------------------

All dimensions are in inches (millimeters) unless otherwise shown

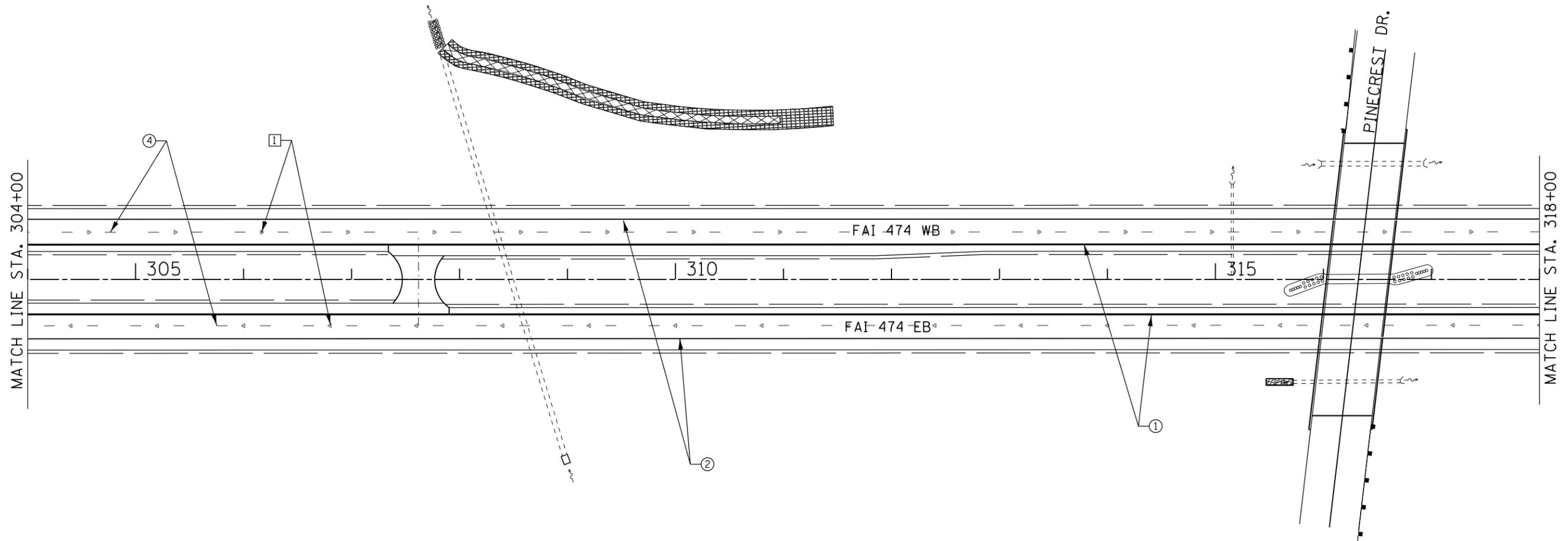


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PLOT DATE = 12/11/2015	DATE -	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	213
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
⑤ 8 (200) solid (White)	
⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
⑧ Letters and arrows	
⑨ 8 (200) skip dash (White)	
⑩ 8 (200) solid (White)	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

① ◀ One-way crystal marker at 80' (24.38 m) centers
② ◀ One-way crystal marker at 40' (12.19 m) centers
③ ◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M.	▶ One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown

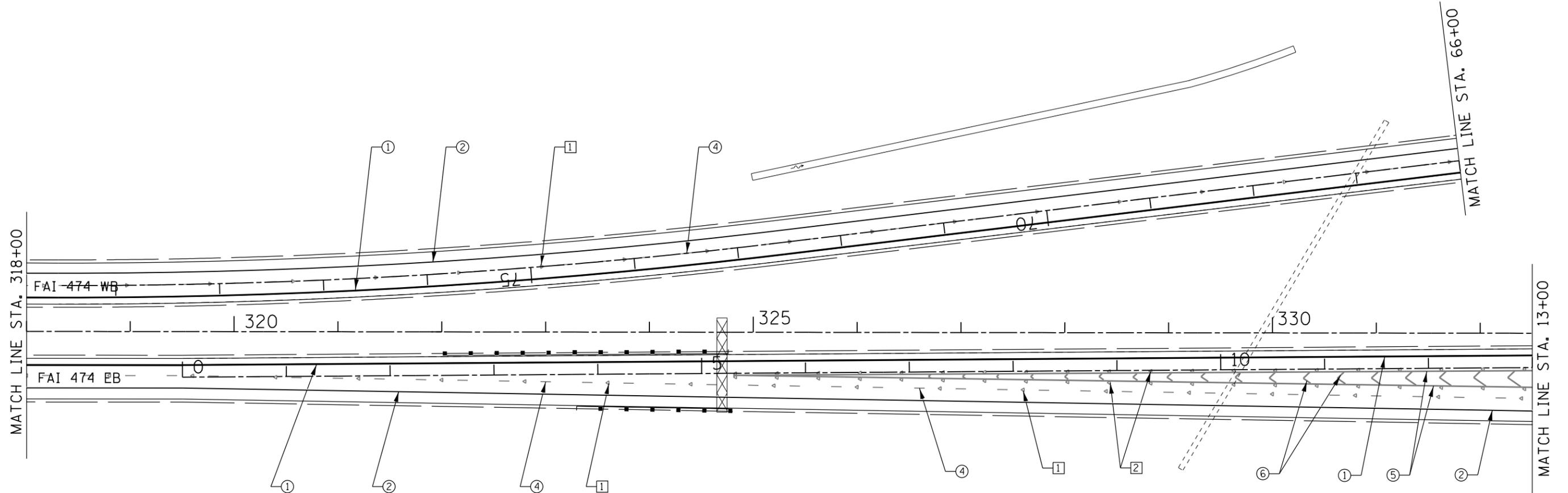


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Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	214
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

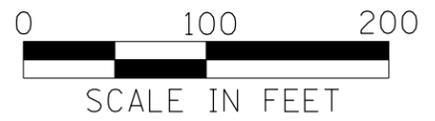
① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
⑤ 8 (200) solid (White)	
⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
⑧ Letters and arrows	
⑨ 8 (200) skip dash (White)	
⑩ 8 (200) solid (White)	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

① ◀ One-way crystal marker at 80' (24.38 m) centers
② ◀ One-way crystal marker at 40' (12.19 m) centers
③ ◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M.	▷ One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown

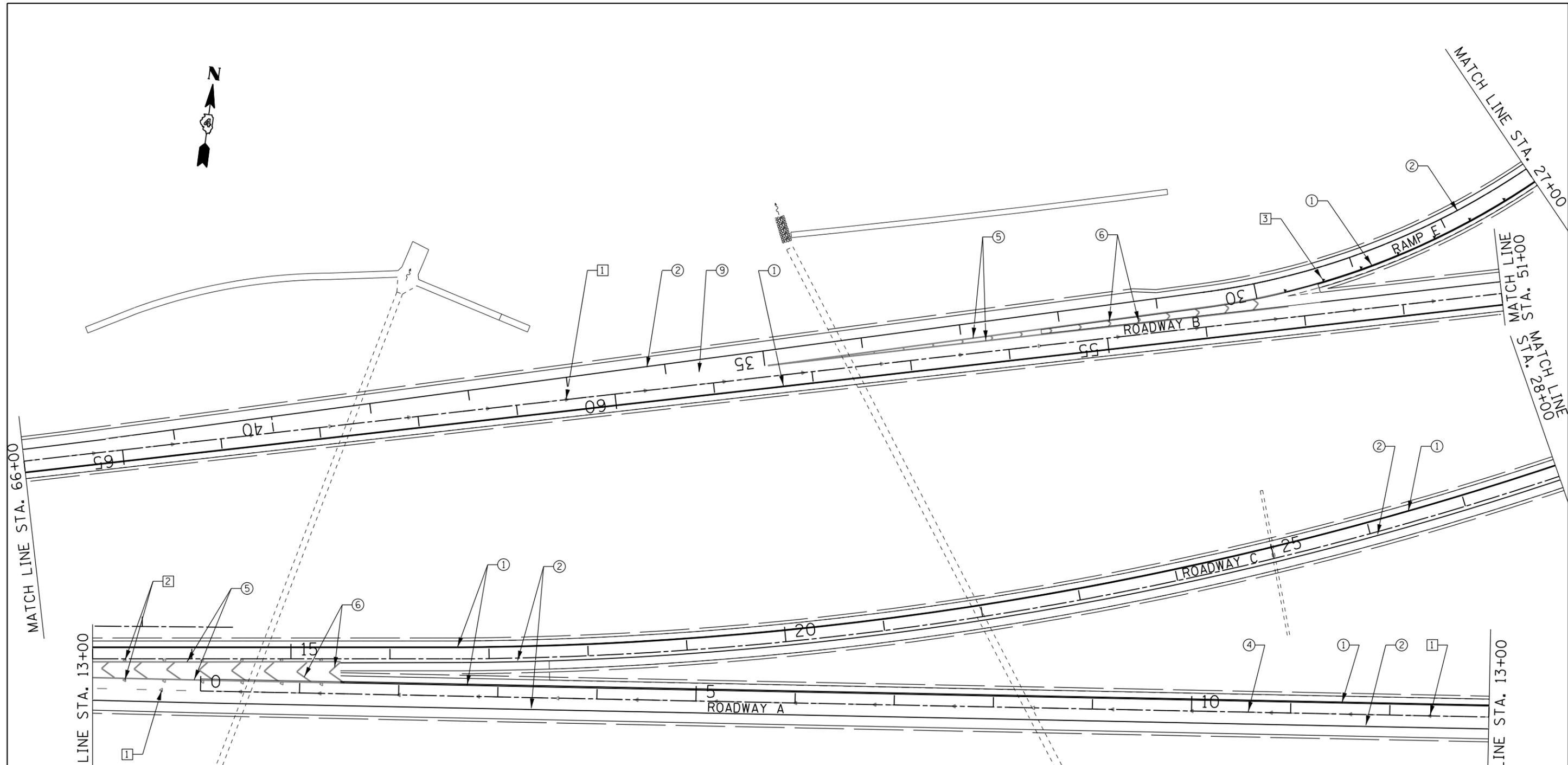


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	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	215
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				

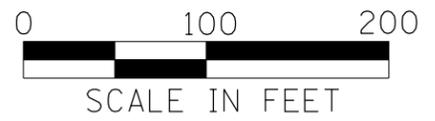


PAVEMENT MARKING LEGEND	
①	4 (100) solid (Yellow)
②	4 (100) solid (White)
③	6 (150) skip dash (Yellow)
④	6 (150) skip dash (White)
⑤	8 (200) solid (White)
⑥	12 (300) diagonal (White)
⑦	24 (600) stop bar (White)
⑧	Letters and arrows
⑨	8 (200) skip dash (White)
⑩	8 (200) solid (White)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
①	◀ One-way crystal marker at 80' (24.38 m) centers
②	◀ One-way crystal marker at 40' (12.19 m) centers
③	◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M. ▶ One-way white R.R.P.M.

All dimensions are in inches (millimeters) unless otherwise shown



FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -
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	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	216
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				

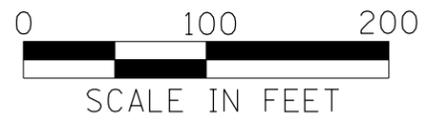
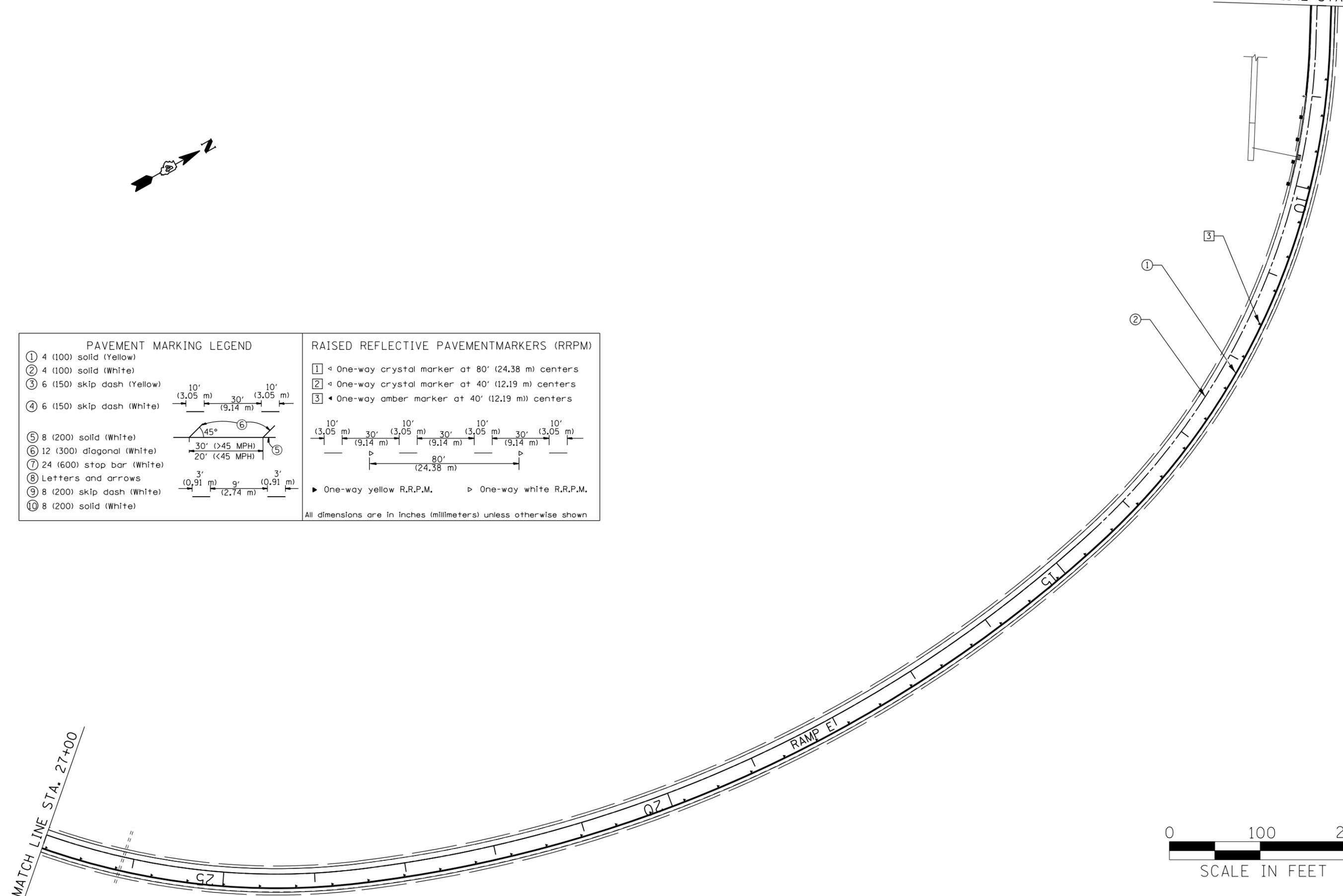


PAVEMENT MARKING LEGEND	
① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
⑤ 8 (200) solid (White)	
⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
⑧ Letters and arrows	
⑨ 8 (200) skip dash (White)	
⑩ 8 (200) solid (White)	

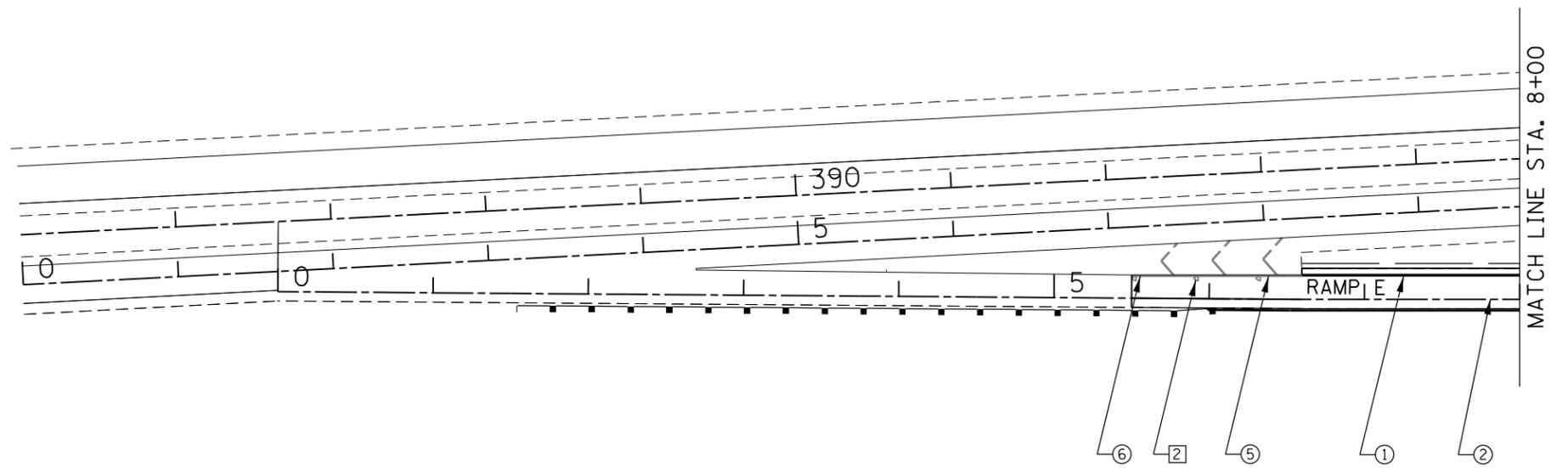
RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① ◁ One-way crystal marker at 80' (24.38 m) centers	
② ◁ One-way crystal marker at 40' (12.19 m) centers	
③ ◁ One-way amber marker at 40' (12.19 m) centers	

▶ One-way yellow R.R.P.M. ▷ One-way white R.R.P.M.

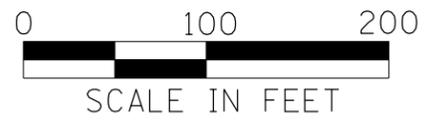
All dimensions are in inches (millimeters) unless otherwise shown



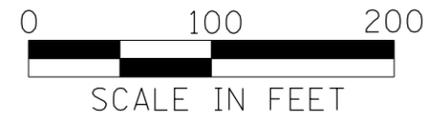
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	PLOT DATE = 12/11/2015				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① 4 (100) solid (Yellow)		① ◀ One-way crystal marker at 80' (24.38 m) centers	
② 4 (100) solid (White)		② ◀ One-way crystal marker at 40' (12.19 m) centers	
③ 6 (150) skip dash (Yellow)		③ ◀ One-way amber marker at 40' (12.19 m) centers	
④ 6 (150) skip dash (White)			
⑤ 8 (200) solid (White)			
⑥ 12 (300) diagonal (White)			
⑦ 24 (600) stop bar (White)			
⑧ Letters and arrows			
⑨ 8 (200) skip dash (White)			
⑩ 8 (200) solid (White)			
		▶ One-way yellow R.R.P.M.	▷ One-way white R.R.P.M.
All dimensions are in Inches (millimeters) unless otherwise shown			



FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS DETAILS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\GEN\DRAW\STD&PLNS\SQUAD 8\1-474 3R	Project\english files\Pavement marking Details\DRAWN.dgn	CHECKED -	REVISED -						474	90-6,7RS-1	TAZEWELL	245	218
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 68606				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/11/2015				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



PAVEMENT MARKING LEGEND

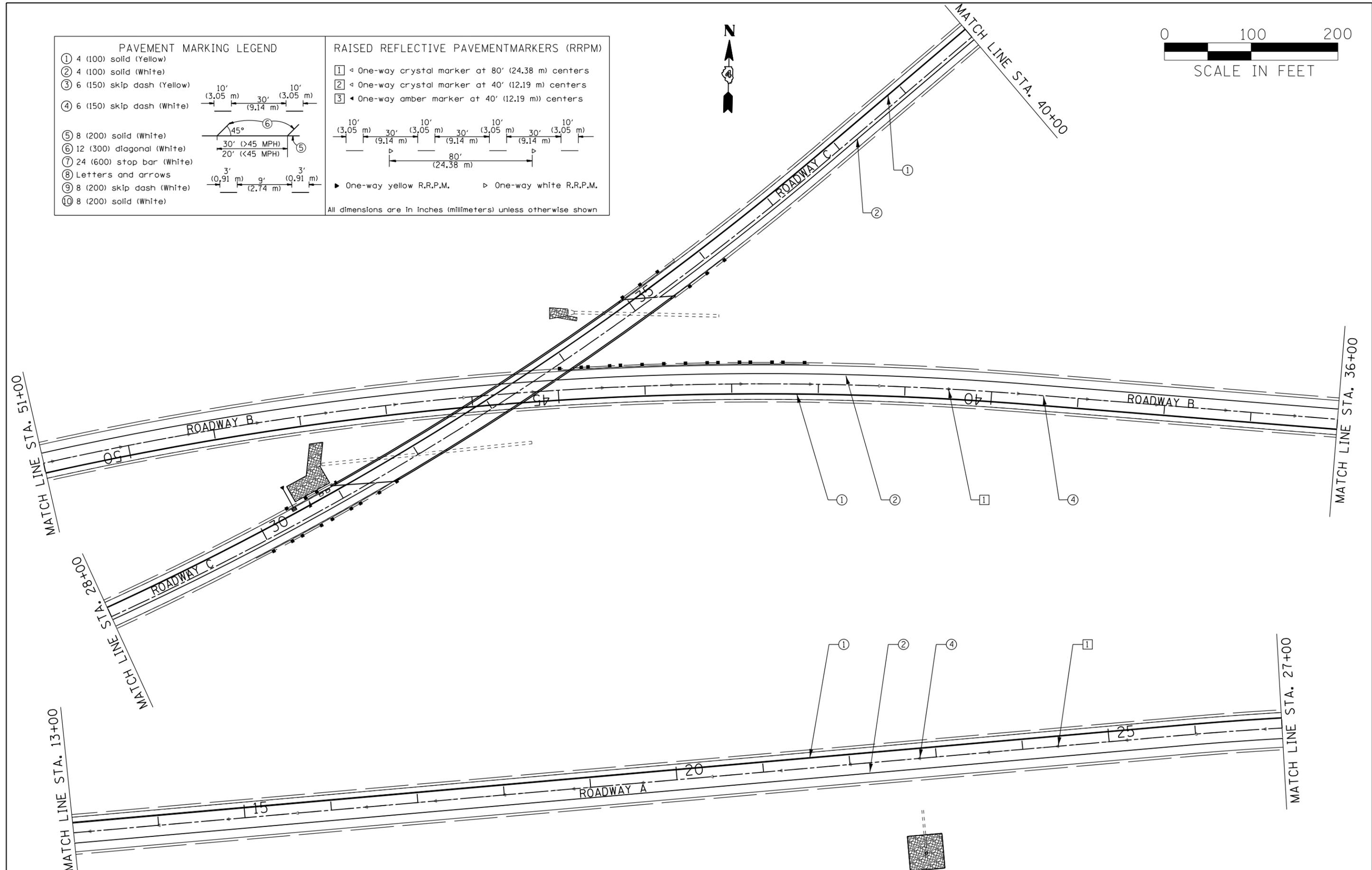
①	4 (100) solid (Yellow)
②	4 (100) solid (White)
③	6 (150) skip dash (Yellow)
④	6 (150) skip dash (White)
⑤	8 (200) solid (White)
⑥	12 (300) diagonal (White)
⑦	24 (600) stop bar (White)
⑧	Letters and arrows
⑨	8 (200) skip dash (White)
⑩	8 (200) solid (White)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

①	◀ One-way crystal marker at 80' (24.38 m) centers
②	◀ One-way crystal marker at 40' (12.19 m) centers
③	◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M. ▶ One-way white R.R.P.M.

All dimensions are in inches (millimeters) unless otherwise shown



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	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

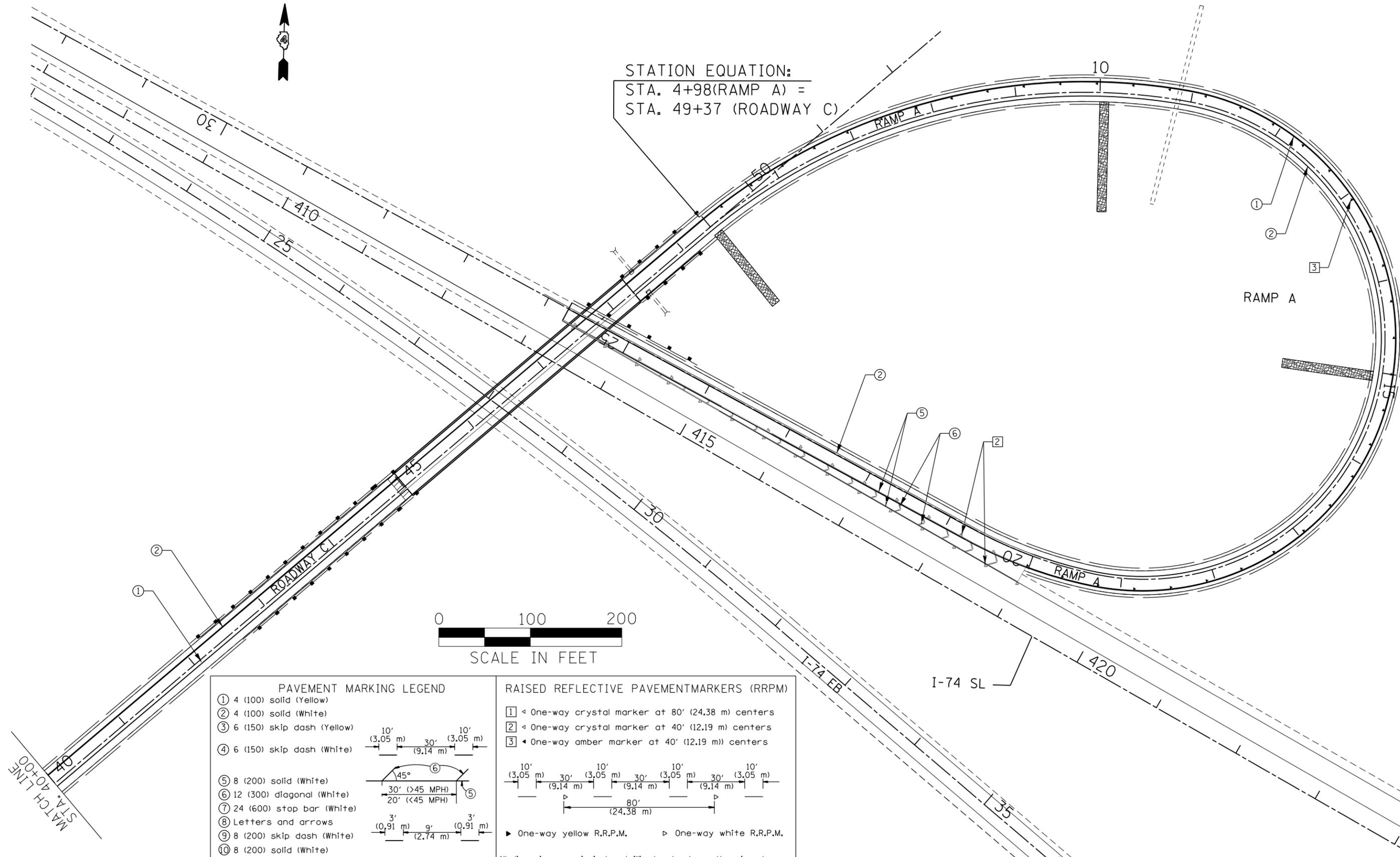
PAVEMENT MARKINGS DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	219
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



STATION EQUATION:
 STA. 4+98(RAMP A) =
 STA. 49+37 (ROADWAY C)



PAVEMENT MARKING LEGEND	
① 4 (100) solid (Yellow)	
② 4 (100) solid (White)	
③ 6 (150) skip dash (Yellow)	
④ 6 (150) skip dash (White)	
⑤ 8 (200) solid (White)	
⑥ 12 (300) diagonal (White)	
⑦ 24 (600) stop bar (White)	
⑧ Letters and arrows	
⑨ 8 (200) skip dash (White)	
⑩ 8 (200) solid (White)	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① ◀ One-way crystal marker at 80' (24.38 m) centers	
② ◀ One-way crystal marker at 40' (12.19 m) centers	
③ ▶ One-way amber marker at 40' (12.19 m) centers	

	▶ One-way yellow R.R.P.M.
	▶ One-way white R.R.P.M.

All dimensions are in inches (millimeters) unless otherwise shown

FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -
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Default	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	220
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 36+00

MATCH LINE STA. 21+00

MATCH LINE STA. 27+00

MATCH LINE STA. 46+00

MATCH LINE STA. 42+00

① ② ① ④

ROADWAY B

ROADWAY A

I-40
I-74 FB

I-45

I-40

PAVEMENT MARKING LEGEND

- ① 4 (100) solid (Yellow)
- ② 4 (100) solid (White)
- ③ 6 (150) skip dash (Yellow)
- ④ 6 (150) skip dash (White)
- ⑤ 8 (200) solid (White)
- ⑥ 12 (300) diagonal (White)
- ⑦ 24 (600) stop bar (White)
- ⑧ Letters and arrows
- ⑨ 8 (200) skip dash (White)
- ⑩ 8 (200) solid (White)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

- ① ◀ One-way crystal marker at 80' (24.38 m) centers
- ② ◀ One-way crystal marker at 40' (12.19 m) centers
- ③ ◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M. ▷ One-way white R.R.P.M.

All dimensions are in inches (millimeters) unless otherwise shown



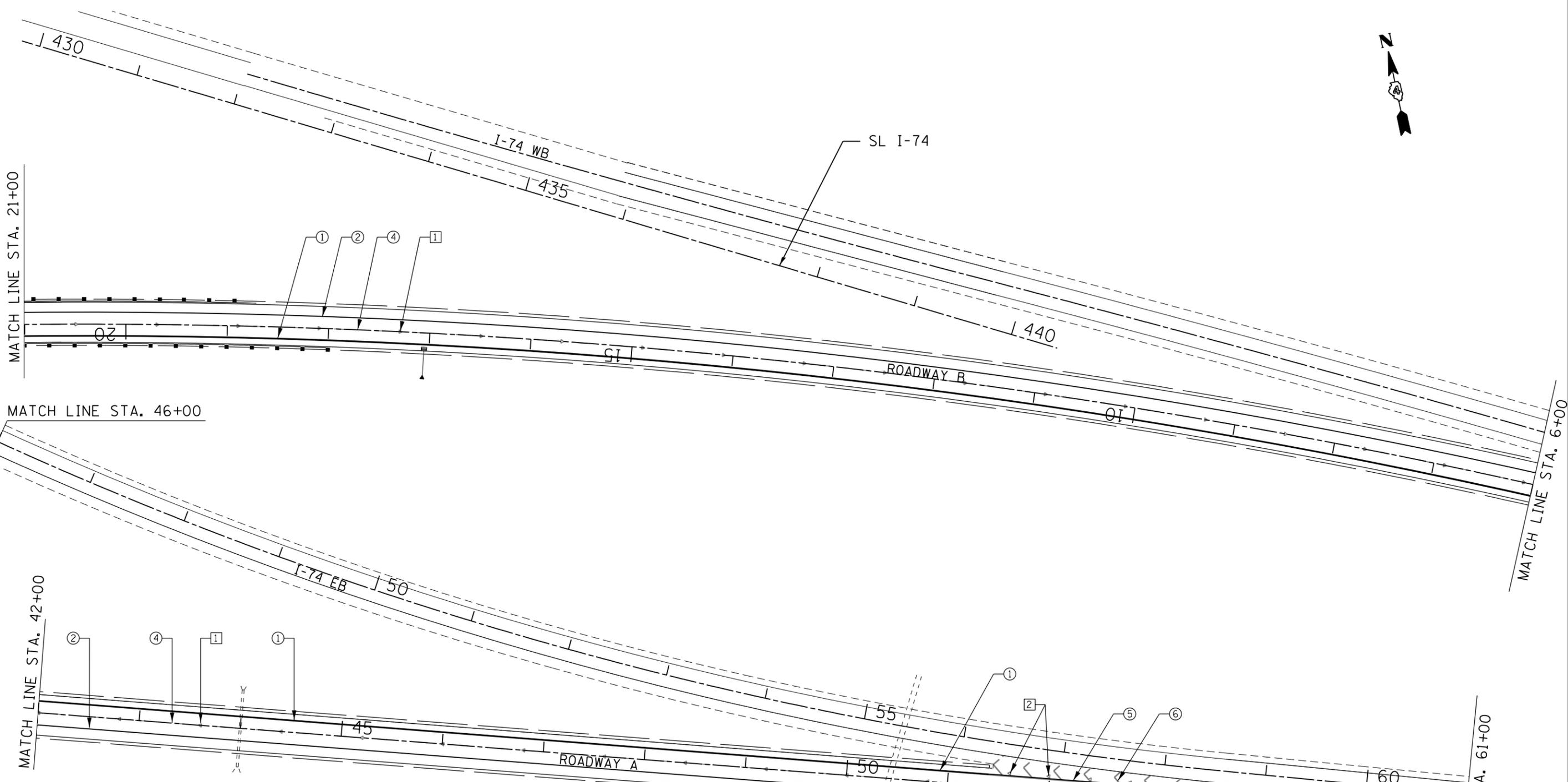
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	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	221
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

①	4 (100) solid (Yellow)
②	4 (100) solid (White)
③	6 (150) skip dash (Yellow)
④	6 (150) skip dash (White)
⑤	8 (200) solid (White)
⑥	12 (300) diagonal (White)
⑦	24 (600) stop bar (White)
⑧	Letters and arrows
⑨	8 (200) skip dash (White)
⑩	8 (200) solid (White)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

①	◀ One-way crystal marker at 80' (24.38 m) centers
②	◀ One-way crystal marker at 40' (12.19 m) centers
③	◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M. ▷ One-way white R.R.P.M.

All dimensions are in Inches (millimeters) unless otherwise shown

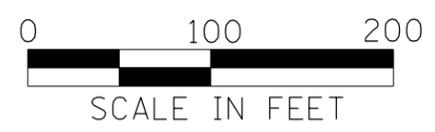
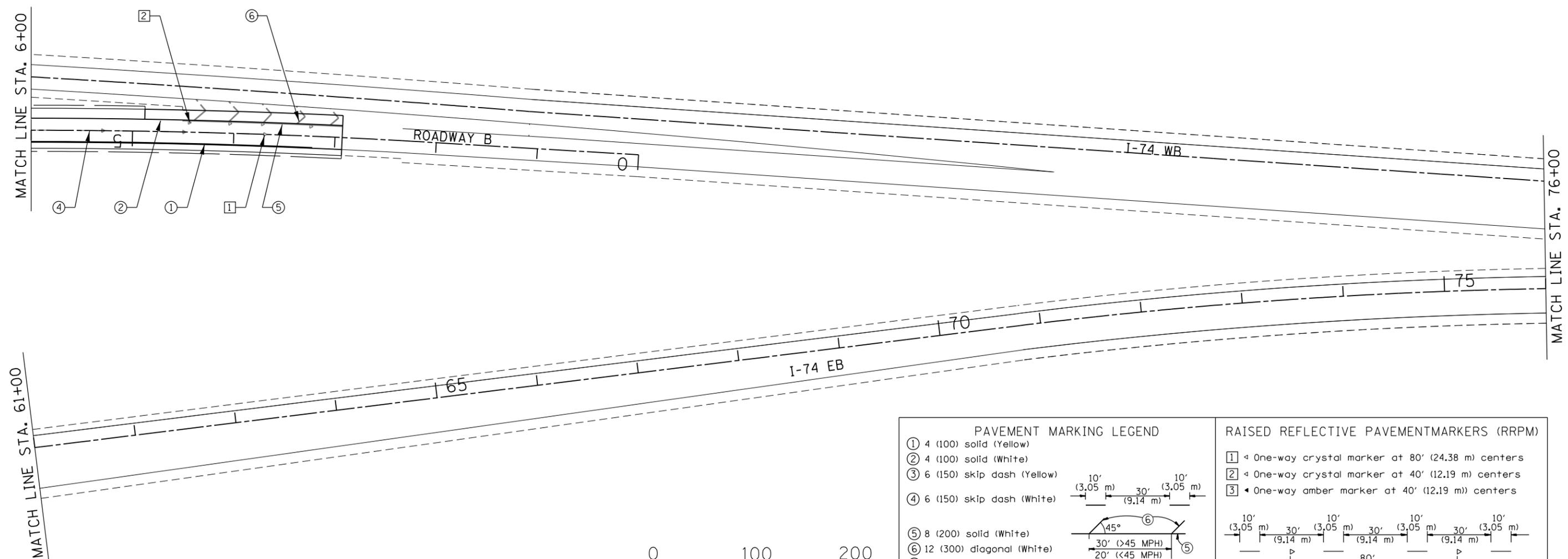


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	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	222
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① 4 (100) solid (Yellow)
- ② 4 (100) solid (White)
- ③ 6 (150) skip dash (Yellow)
- ④ 6 (150) skip dash (White)
- ⑤ 8 (200) solid (White)
- ⑥ 12 (300) diagonal (White)
- ⑦ 24 (600) stop bar (White)
- ⑧ Letters and arrows
- ⑨ 8 (200) skip dash (White)
- ⑩ 8 (200) solid (White)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

- ① < One-way crystal marker at 80' (24.38 m) centers
- ② < One-way crystal marker at 40' (12.19 m) centers
- ③ ◀ One-way amber marker at 40' (12.19 m) centers

▶ One-way yellow R.R.P.M. ▶ One-way white R.R.P.M.

All dimensions are in inches (millimeters) unless otherwise shown

FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -
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Default	PLOT DATE = 12/11/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	223
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
2. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
3. THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
4. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
5. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
6. THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
7. ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF LEAD-INS.
8. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
9. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT, MILLED SURFACE, OR BINDER COURSE BEFORE THE FINAL OVERLAY. THE RISER AREA SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN PRICE FOR DETECTOR LOOPS.
10. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
11. THE REMOVAL AND REPLACEMENT OF BITUMINOUS SHOULDER FOR INSTALLATION OF THE DETECTOR LOOP LEAD-IN SHALL BE INCLUDED IN THE PRICE FOR DETECTOR LOOPS.
12. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
13. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
14. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
15. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
16. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
17. THE DOUBLE HANDHOLE SHALL NOT BE USED IN LIEU OF THE CONTROLLER FOUNDATION PAD.
18. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
19. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
20. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
21. ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, AND PHOTOCCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING DEPARTMENT LIGHTING, ITS, AND TRAFFIC SIGNAL FACILITIES. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
23. THE PROPOSED CONDUIT SHALL BE COUPLED TO THE EXISTING CONDUIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED CONDUIT PAY ITEMS.
24. THE COST OF ADJUSTING THE DETECTOR LOOP RISERS FOR THE PROPOSED DETECTOR LOOPS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE DETECTOR LOOP PAY ITEM.
25. THE CONTRACTOR SHALL RELOCATE ALL EXISTING SIGNS (STREET NAME, ROUTE MARKER, REGULATORY, ETC.) FROM THE EXISTING MAST ARMS AND TRAFFIC SIGNAL POSTS TO TO PROPOSED TRAFFIC SIGNAL STRUCTURES. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED TRAFFIC SIGNAL POSTS AND MAST ARMS.
26. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
27. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 TO OBTAIN APPROVAL FOR ALL MAST ARM AND TRAFFIC SIGNAL POST FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ALL COSTS REQUIRED TO REMOVE OR RELOCATE FACILITIES THAT WERE CONSTRUCTED WITHOUT OBTAINING LOCATION APPROVAL.

SCHEDULE OF QUANTITIES - TRAFFIC SIGNALS AND OVERHEAD LIGHTING

ITEM DESCRIPTION	UNIT	TOTAL QTY.	IL 29 & I-474 WB RAMPS B & C	IL 29 & I-474 EB RAMPS A & D	OVERHEAD LIGHTING
HOT-MIX ASPHALT MEDIAN SURFACE, 4 INCH	SQ FT	90.0	60.0	30.0	
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	957.0	544.0	413.0	
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	612.0	240.0	372.0	
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	12.0	6.0	6.0	
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 6	FOOT	966.0			966.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	156.5	156.5		
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	2130.5	864.0	1266.5	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	321.5		321.5	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	3365.5	1161.0	2204.5	
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	928.0	422.0	506.0	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4.0	2.0	2.0	
STEEL MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1.0		1.0	
STEEL MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	2.0	1.0	1.0	
STEEL MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1.0		1.0	
STEEL MAST ARM ASSEMBLY AND POLE 75 FT.	EACH	1.0	1.0		
CONCRETE FOUNDATION, TYPE A	EACH	12.0	6.0	6.0	
CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	10.0		10.0	
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	45.0	15.0	30.0	
CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	25.0	25.0		
DRILL EXISTING HANDHOLE	EACH	2.0	1.0	1.0	
SIGNAL HEAD, LED, 1-FACE, 1-SECTION, MAST ARM MOUNTED	EACH	1.0	1.0		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	13.0	6.0	7.0	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3.0	1.0	2.0	
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0	1.0	3.0	
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	21.0	9.0	12.0	
INDUCTIVE LOOP DETECTOR	EACH	18.0	8.0	10.0	
INDUCTION LOOP DETECTOR AMPLIFIER (SPECIAL)	EACH	1.0		1.0	
DETECTOR LOOP, TYPE I	FOOT	1344.0	592.0	752.0	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2.0	1.0	1.0	
REMOVE EXISTING HANDHOLE	EACH	13.0	6.0	7.0	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8.0	4.0	4.0	
REBUILD EXISTING HANDHOLE, SPECIAL	EACH	2.0	1.0	1.0	
CAT 5 ETHERNET CABLE	FOOT	81.0		81.0	
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	1.0		1.0	
MISCELLANEOUS ELECTRICAL WORK	L SUM	1.0			1.0
ISLAND PAVEMENT (SPECIAL)	SQ FT	32.0		32.0	
MEDIAN SURFACE REMOVAL	SQ FT	90.0	60.0	30.0	
ISLAND PAVEMENT REMOVAL	SQ YD	3.6		3.6	
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	176.0			176.0
REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	352.0			352.0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2.0	1.0	1.0	

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 1 OF 15



REMOVE EXISTING HANDHOLE - QTY. 6.0 EA.	
QTY.	LOCATIONS
1.0 EA.	HH-1, HH-2, HH-4, HH-5, HH-6, HH-7

REMOVE EXISTING CONCRETE FOUNDATIONS - QTY. 4.0 EA.	
QTY.	LOCATIONS
1.0 EA.	MA-1, MA-2, MA-3, TS-1

SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNIT	QUANTITY
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATIONS	EACH	4.0
REMOVE EXISTING HANDHOLE	EACH	6.0

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH (INCLUDES ALL ITEMS LISTED BELOW)

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

QTY.	ITEM
1.0	TRAFFIC SIGNAL CONTROLLER CABINET
1.0	TRAFFIC SIGNAL POST AND BASE, GALVS, 14 FT.
3.0	STEEL MAST ARM ASSEMBLY AND POLE
3.0	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 1-SECTION WITH BACKPLATE, MAST ARM MOUNTED
6.0	SIGNAL HEAD, 1-FACE, 3-SECTION WITH BACKPLATE, MAST ARM MOUNTED
ALL	ELECTRIC CABLE (NOT BEING USED IN PROPOSED INSTALLATION)

THE FOLLOWING ITEMS SHALL REMAIN THE PROPERTY OF IDOT AND SHALL BE DELIVERED TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA

QTY.	ITEM
1.0	TRAFFIC SIGNAL CONTROLLER AND MMU

EXISTING TRAFFIC SIGNAL AND REMOVAL NOTES

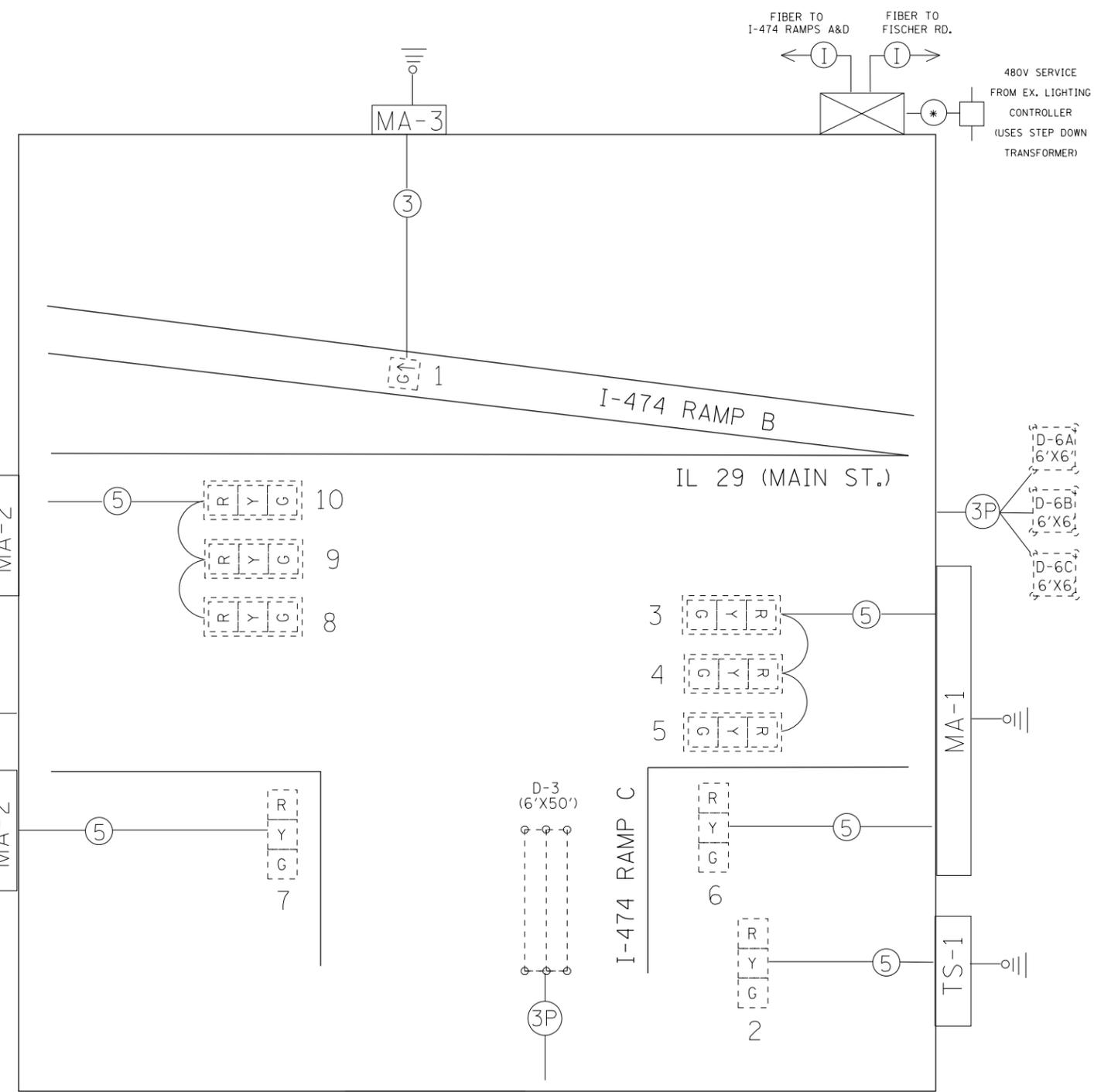
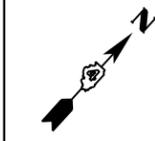
1. THE REMOVAL ITEMS ARE AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL REMOVAL ITEMS PRIOR TO BIDDING.
2. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
3. ANY MAINTENANCE OF THE EXISTING SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
4. FULL DEPTH SAW CUTS SHALL BE REQUIRED AT ALL REMOVAL LIMITS. IF THE CONTRACTOR REMOVES OR DAMAGES THE EXISTING SIDEWALK OR BITUMINOUS SURFACE OUTSIDE THE REMOVAL LIMITS DESIGNATED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE AND/OR REPLACE THAT PORTION AT THE CONTRACTOR'S EXPENSE.

EXISTING TRAFFIC SIGNAL LEGEND

- EX. HANDHOLE
- EX. CONDUIT
- EX. DETECTOR LOOP (6' X 50' QUAD)
- EX. DETECTOR LOOP (6' X 6')
- EX. CONTROLLER CABINET
- EX. BATTERY BACKUP SYSTEM
- EX. ELECTRICAL SERVICE
- EX. TRAFFIC SIGNAL HEAD
- EX. TRAFFIC SIGNAL HEAD W/ BACKPLATE
- EX. STL MAST ARM ASSEMBLY AND POLE

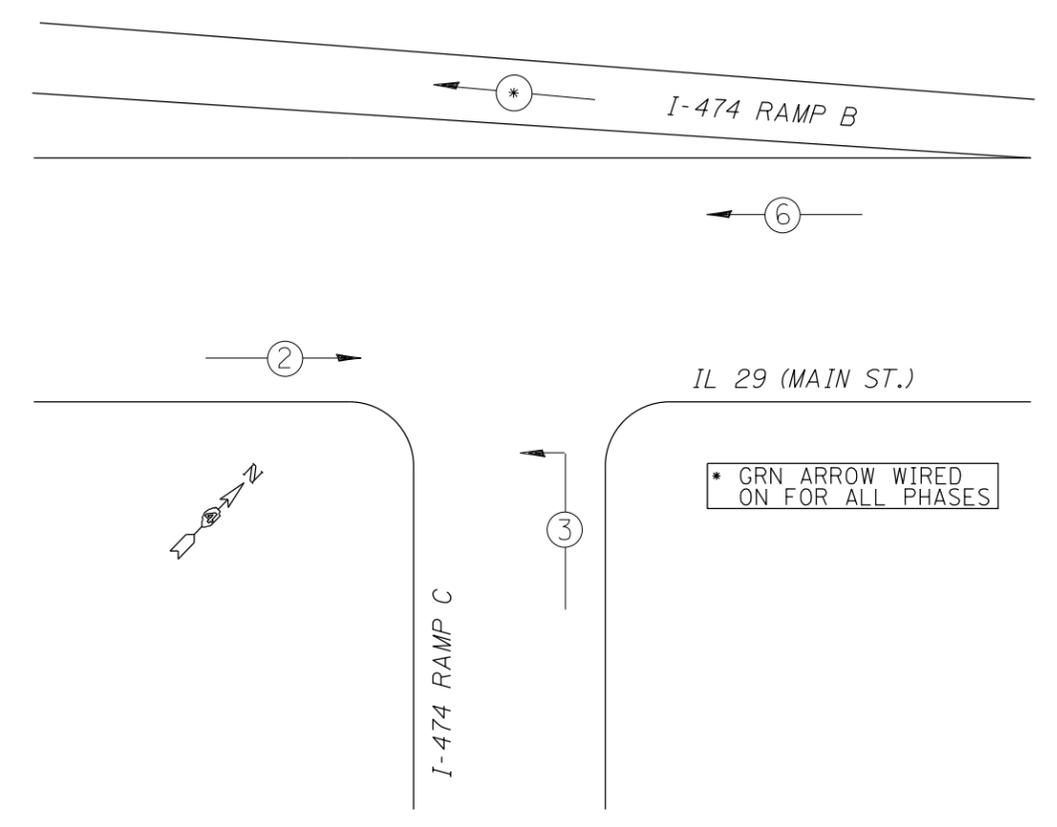
NOT TO SCALE
TRAFFIC SIGNALS
SHEET 2 OF 15

FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNALS AND REMOVAL PLAN IL 29 (MAIN ST.) & I-474 RAMPS B & C - CREVE COEUR	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\Central\4\common\GEN\Transfer - bureau\68606 - IL 29 Traffic Signals\68606 - I-	DRAWN-474 Ramps Traffic Signal Plans (P	REVISIONS				474	90-6,7RS-1	TAZEWELL	245	225	
PLOT SCALE = 25.4994' / 1" IN.	CHECKED -	REVISED -				CONTRACT NO. 68606					
PLOT DATE = 12/11/2015	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					



EXISTING PHASE DIAGRAM

NAME OF INTERSECTION IL 29 (MAIN ST.) & I-474 RAMPS B & C
 EXISTING CONTROLLER: ECONOLITE ASC/2S (TS-2 TYPE 2) IN TYPE IV CABINET, TS-1 BACKPANEL



TRAFFIC SIGNALS LEGEND

- EX. 3 SEC. SIGNAL HEAD W/BACKPLATE
- EX. 3 SEC. SIGNAL HEAD
- EX. CONTROLLER (SIGNAL)
- #18 3-PR DETECTOR LOOP CABLE
- 5/C NO. 14 SIGNAL CABLE
- 7/C NO. 14 SIGNAL CABLE
- EX. DETECTOR LOOP (6'X6')
- EX. DETECTOR LOOP (QUADRAPOLE)
- EX. SERVICE INSTALLATION
- EX. GROUND/SAFETY BOND

NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 3 OF 15

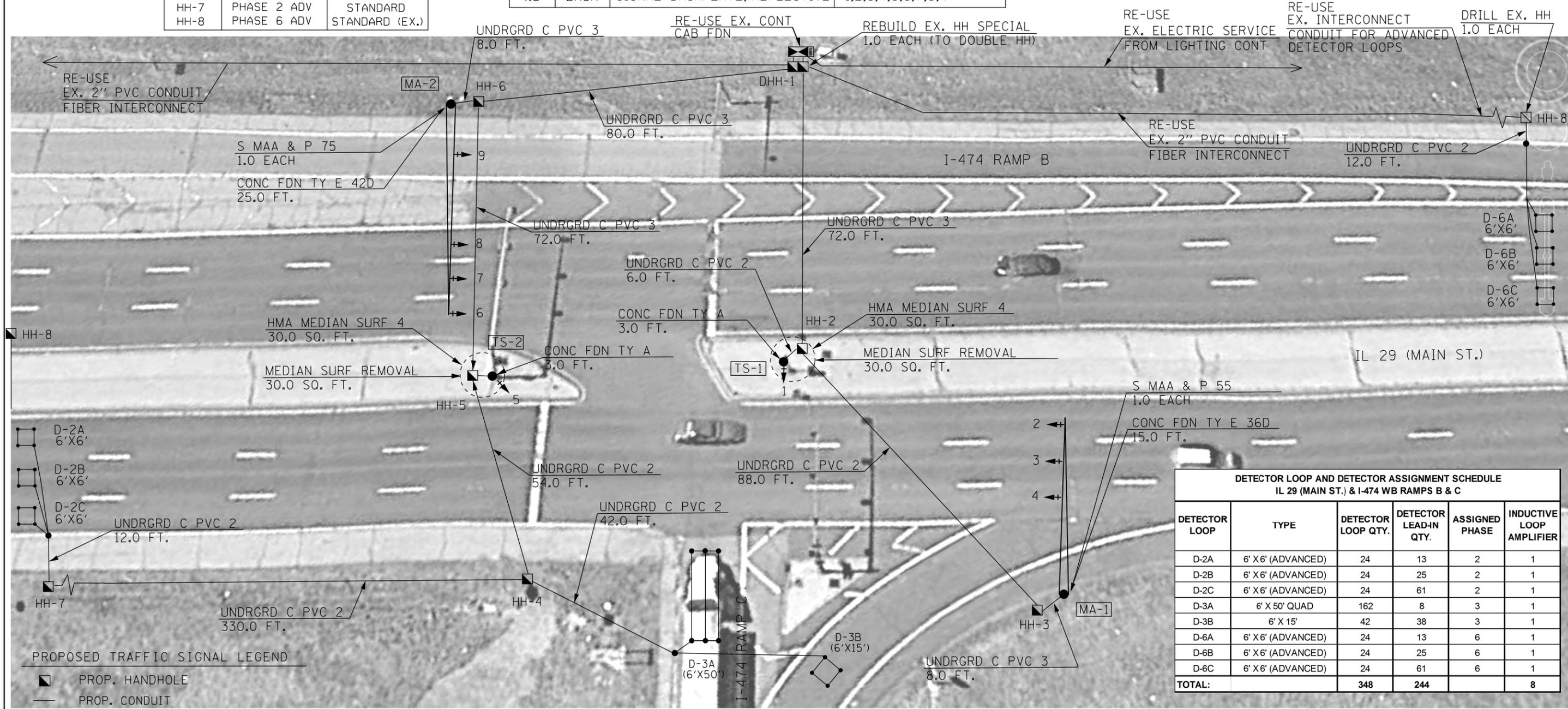
FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS IL 29 (MAIN) & I-474 RAMPS B & C - CREVE COEUR	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\Central\4\common\GEN\Transfer - bureau\68606 - IL 29 Traffic Signals\68606 - IL 29 Traffic Signal Plans (REVISED).dgn	DRAWN-474 Ramps Traffic Signal Plans (REVISED).dgn	CHECKED -	REVISED -			474	90-6,7RS-1	TAZEWELL	245	226	
PLOT SCALE = 25.4994' / in.	DATE -	REVIS	REVIS			CONTRACT NO. 68606					
PLOT DATE = 12/11/2015	DATE -	REVIS	REVIS			ILLINOIS FED. AID PROJECT					



SCHEDULE OF HANDHOLE QUANTITIES		
REF.	LOCATION	TYPE
DHH-1	NW QUADRANT	DOUBLE (SPL)
HH-2	N MEDIAN	STANDARD
HH-3	NE ISLAND	STANDARD
HH-4	SE QUADRANT	STANDARD
HH-5	S MEDIAN	STANDARD
HH-6	SW QUADRANT	STANDARD
HH-7	PHASE 2 ADV	STANDARD
HH-8	PHASE 6 ADV	STANDARD (EX.)

SCHEDULE OF TRAFFIC SIGNAL HEADS				
QTY.	UNIT	ITEM	LOCATION	
1.0	EACH	SH, LED, 1F, 1-SEC, MAM	9	
1.0	EACH	SH, LED, 1F, 3-SEC, BM	5	
6.0	EACH	SH, LED, 1F, 3-SEC, MAM	2,3,4,6,7,8	
1.0	EACH	SH, LED, 1F, 4-SEC, BM	1	
9.0	EACH	SIGNAL BACKPLATE, REFLECTIVE	1,2,3,4,5,6,7,8,9	

SCHEDULE OF MAST ARM ASSEMBLIES AND POSTS			
REF.	LOCATION	TYPE	LENGTH
MA-1	NE QUADRANT	S MAA & P	75 FT.
MA-2	SW QUADRANT	S MAA & P	55 FT.
TS-1	NORTH MEDIAN	TS POST, GALVS	16 FT.
TS-2	SOUTH MEDIAN	TS POST, GALVS	16 FT.



DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 (MAIN ST.) & I-474 WB RAMPS B & C					
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	INDUCTIVE LOOP AMPLIFIER
D-2A	6' X 6' (ADVANCED)	24	13	2	1
D-2B	6' X 6' (ADVANCED)	24	25	2	1
D-2C	6' X 6' (ADVANCED)	24	61	2	1
D-3A	6' X 50' QUAD	162	8	3	1
D-3B	6' X 15'	42	38	3	1
D-6A	6' X 6' (ADVANCED)	24	13	6	1
D-6B	6' X 6' (ADVANCED)	24	25	6	1
D-6C	6' X 6' (ADVANCED)	24	61	6	1
TOTAL:		348	244		8

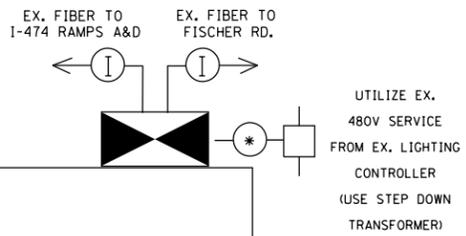
ADVANCED LOOPS SHALL BE LOCATED 330 FT. FROM THE STOP BARS FOR NB AND SB TRAFFIC ON IL 29

THE MAST ARM FOR NB IL 29 SHALL BE LOCATED A MINIMUM OF 18 FT. FROM THE EDGE OF TRAVELLED WAY.

THE MAST ARM FOR NB IL 29 SHALL BE LOCATED A MINIMUM OF 24 FT. FROM THE EDGE OF TRAVELLED WAY.

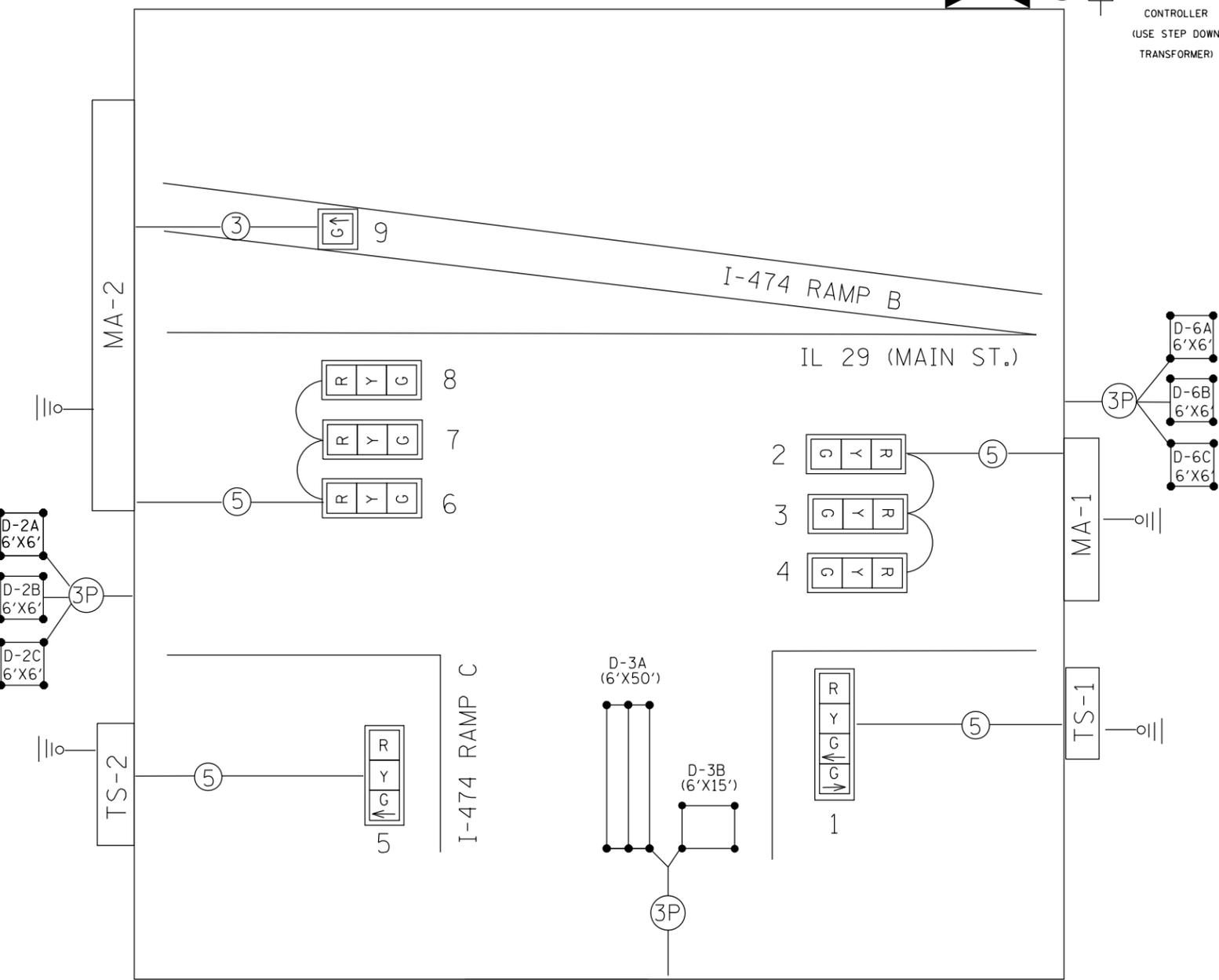
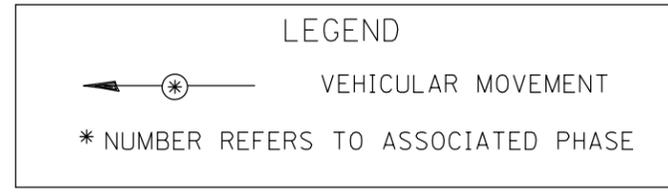
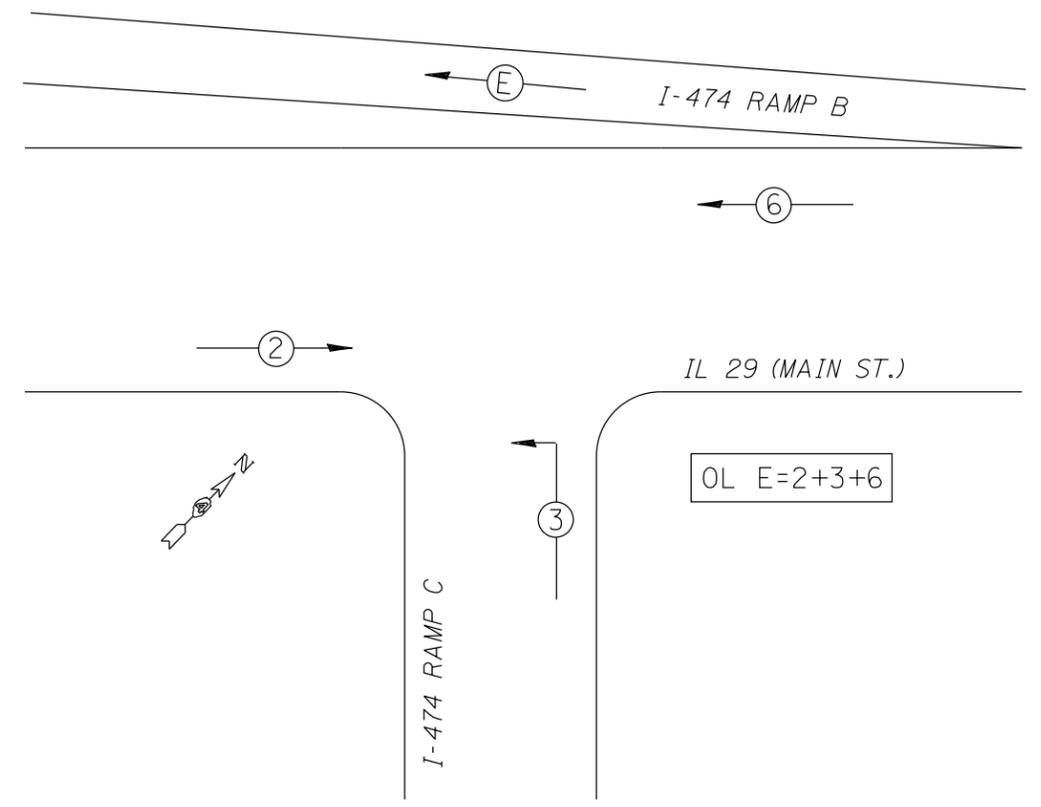
NOT TO SCALE
TRAFFIC SIGNALS
SHEET 4 OF 15

ALL TRAFFIC SIGNAL MAST ARMS, CONTROLLER CABINETS, HANDHOLES (LIDS AND FRAMES), AND EXPOSED METALLIC CONDUITS SHALL BE GROUNDED AND SAFETY BONDED IN ACCORDANCE WITH NEC REQUIREMENTS.



PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION IL 29 (MAIN ST.) & I-474 RAMPS B & C
 PROPOSED CONTROLLER: ECONOLITE ASC/3 (TS-2 TYPE 2) IN TYPE IV CABINET, TS-2 BACKPANEL, 16 POS.

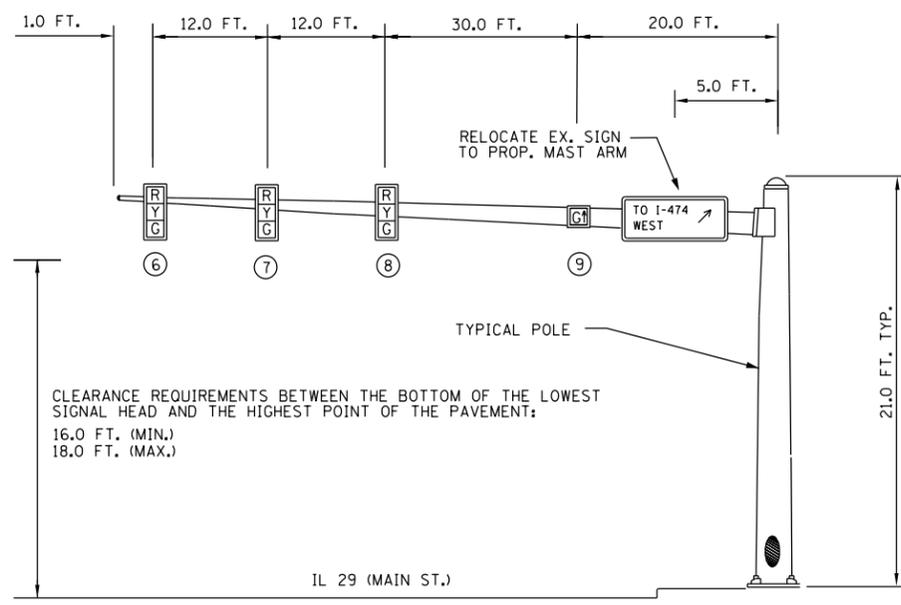


TRAFFIC SIGNALS LEGEND

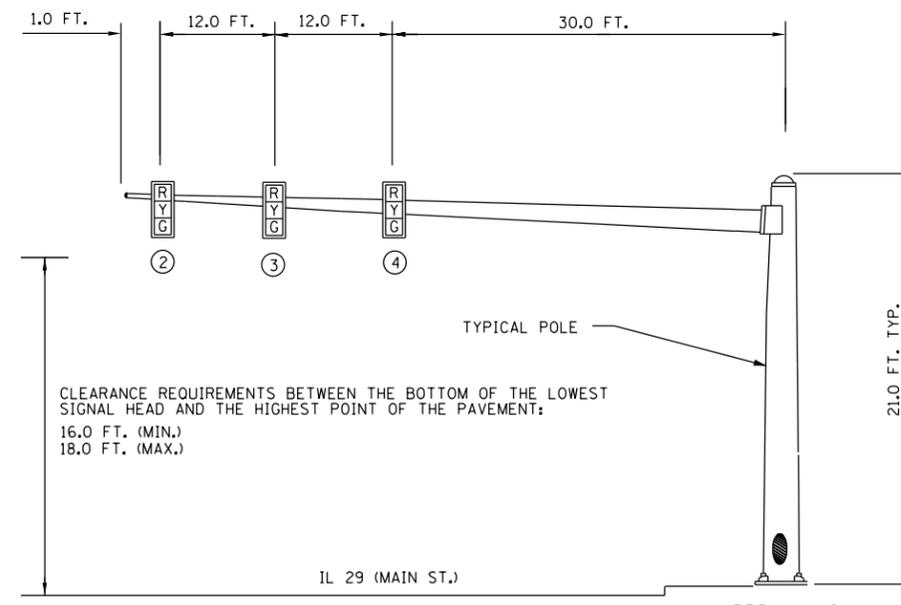
- PROP. CONTROLLER (SIGNAL)
- #18 3-PR DETECTOR LOOP CABLE
- PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE
- 5/C NO. 14 SIGNAL CABLE
- PROP. GROUND/SAFETY BOND
- PROP. DETECTOR LOOP (6'X6')
- 7/C NO. 14 SIGNAL CABLE
- PROP. DETECTOR LOOP (QUADRAPOLE)
- EX. SERVICE INSTALLATION

NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 5 OF 15

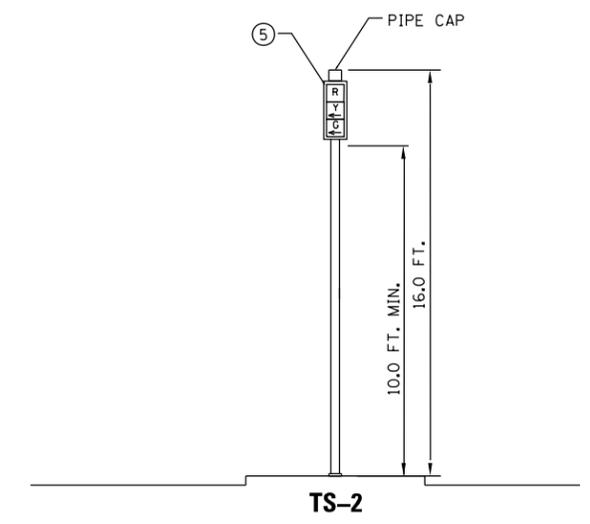
FILE NAME =	USER NAME = labebdism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS IL 29 (MAIN) & I-474 RAMPS B & C - CREVE COEUR	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\Central\sd4\common\GEN\Transfer - bur...	68606 - IL 29 Traffic Signals\68606 - IL	DRAWN-474 Ramps Traffic Signal Plans (F...	REVISED 5.dgn			474	90-6,7RS-1	TAZEWELL	245	228
PLOT SCALE = 25.4994 "/>										



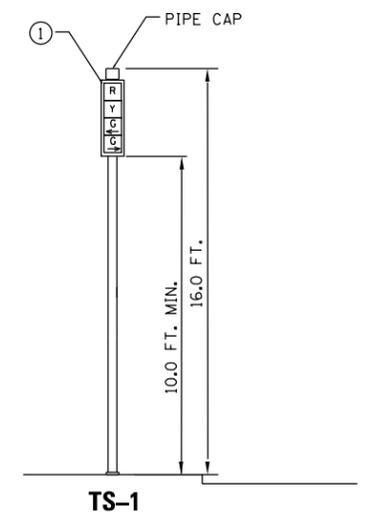
SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST CORNER OF IL 29 (MAIN ST.) & I-474 RAMPS B & C



NORTHBOUND TRAFFIC SIGNAL
NORTHEAST CORNER OF IL 29 (MAIN ST.) & I-474 RAMPS B & C



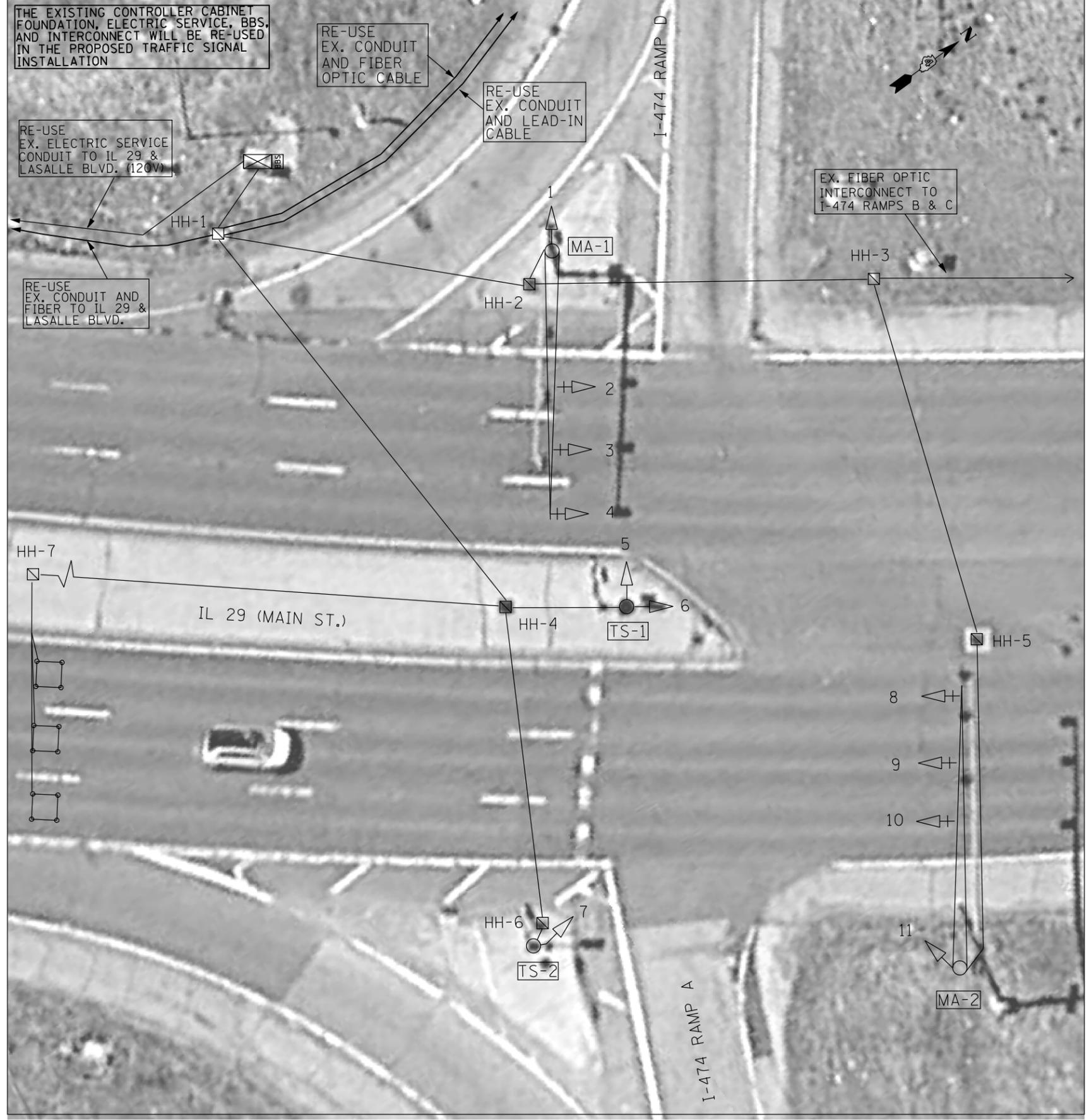
WESTBOUND TRAFFIC SIGNAL
CENTER MEDIAN OF IL 29 (MAIN ST.) & I-474 WB RAMPS B & C



WESTBOUND TRAFFIC SIGNAL
CENTER MEDIAN OF IL 29 (MAIN ST.) & I-474 WB RAMPS B & C

NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 6 OF 15

FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MAST ARM LOADING DIAGRAM IL 29 (MAIN) & I-474 RAMPS B & C - CREVE COEUR	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\Central\4\common\GEN\Transfer - bureau\68606 - IL 29 Traffic Signals\68606 - IL DRAWN-474 Ramps Traffic Signal Plans (REVISED).dgn	CHECKED -	REVISED -	474			90-6,7RS-1	TAZEWELL	245	229	
PLOT SCALE = 25.4994' / in.	DATE -	REVISED -	CONTRACT NO. 68606							
PLOT DATE = 12/11/2015	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							



REMOVE EXISTING HANDHOLE - QTY. 7.0 EA.	
QTY.	LOCATIONS
1.0 EA.	HH-2, HH-3, HH-4, HH-5, HH-6, HH-7, HH-8

REMOVE EXISTING CONCRETE FOUNDATIONS - QTY. 4.0 EA.	
QTY.	LOCATIONS
1.0 EA.	MA-1, MA-2, TS-1, TS-2

SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNIT	QUANTITY
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATIONS	EACH	4.0
REMOVE EXISTING HANDHOLE	EACH	7.0

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH (INCLUDES ALL ITEMS LISTED BELOW)

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

QTY.	ITEM
1.0	TRAFFIC SIGNAL CONTROLLER CABINET
2.0	STEEL MAST ARM ASSEMBLY AND POLE
2.0	TRAFFIC SIGNAL POST AND BASE, GALVS, 16 FT.
3.0	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
2.0	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
6.0	SIGNAL HEAD, 1-FACE, 3-SECTION WITH BACKPLATE, MAST ARM MOUNTED
ALL	ELECTRIC CABLE

THE FOLLOWING ITEMS SHALL REMAIN THE PROPERTY OF IDOT AND SHALL BE DELIVERED TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA

QTY.	ITEM
1.0	TRAFFIC SIGNAL CONTROLLER, MMU, AND ITS EQUIPMENT

EXISTING TRAFFIC SIGNAL AND REMOVAL NOTES

1. THE REMOVAL ITEMS ARE AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL REMOVAL ITEMS PRIOR TO BIDDING.
2. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
3. ANY MAINTENANCE OF THE EXISTING SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
4. FULL DEPTH SAW CUTS SHALL BE REQUIRED AT ALL REMOVAL LIMITS. IF THE CONTRACTOR REMOVES OR DAMAGES THE EXISTING SIDEWALK OR BITUMINOUS SURFACE OUTSIDE THE REMOVAL LIMITS DESIGNATED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE AND/OR REPLACE THAT PORTION AT THE CONTRACTOR'S EXPENSE.

EXISTING TRAFFIC SIGNAL LEGEND

- ☐ EX. HANDHOLE
- EX. CONDUIT
- ▭ EX. DETECTOR LOOP (6' X 50' QUAD)
- EX. DETECTOR LOOP (6' X 6')
- ⊠ EX. CONTROLLER CABINET
- ⊞ EX. ELECTRICAL SERVICE
- ⊣ EX. TRAFFIC SIGNAL HEAD
- ⊤ EX. TRAFFIC SIGNAL HEAD W/ BACKPLATE
- ⊥ EX. STL MAST ARM ASSEMBLY AND POLE

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 7 OF 15

FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -
\\Central\4\common\GEN\Transfer - bureau\68606 - IL 29 Traffic Signals\68606 - IL	DRAWN-474 Ramps Traffic Signal Plans (REVISED).dgn	CHECKED -	REVISED -
PLOT SCALE = 25.4994' / in.	DATE -	REVISED -	REVISED -
PLOT DATE = 12/11/2015			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNALS AND REMOVAL PLAN
IL 29 (MAIN ST.) & I-474 RAMPS A & D - CREVE COEUR

SCALE: STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	230
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				

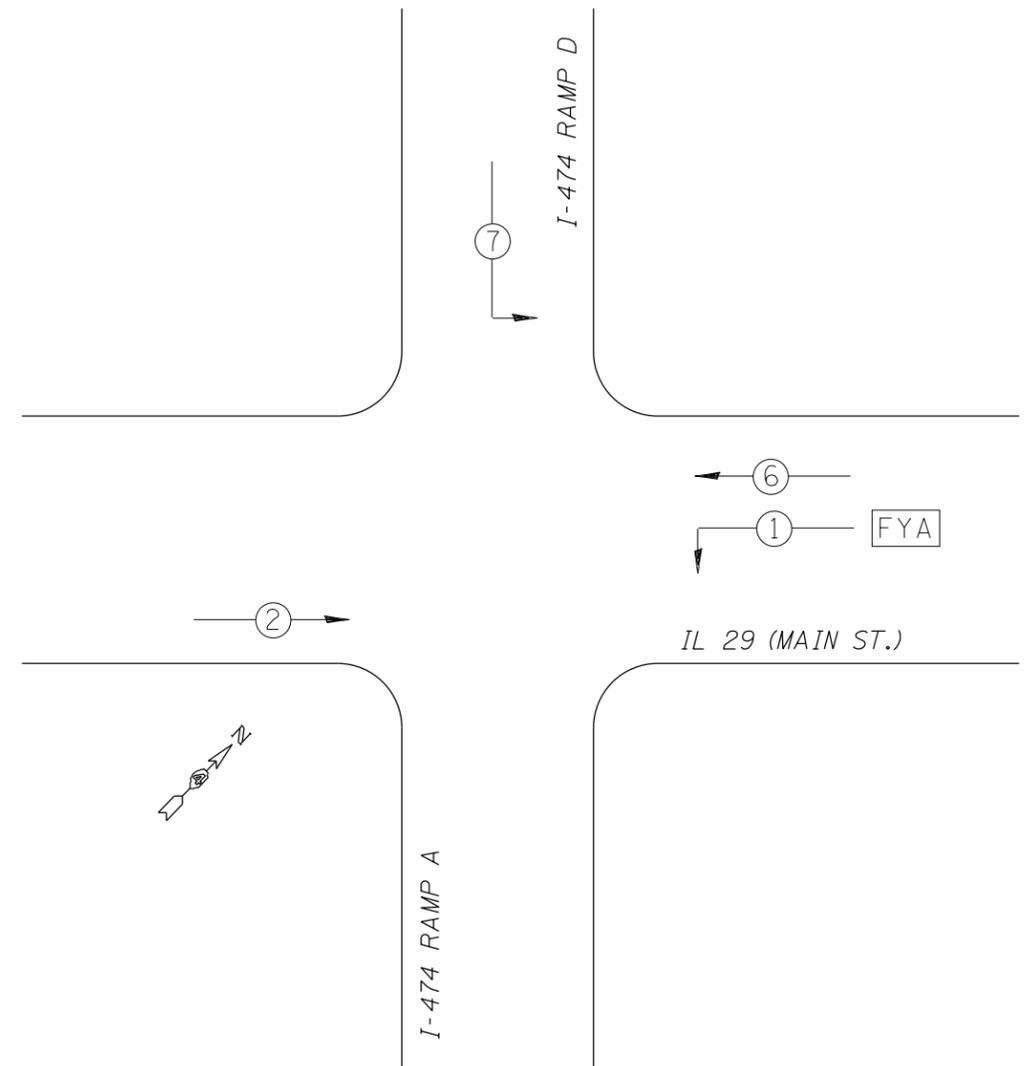
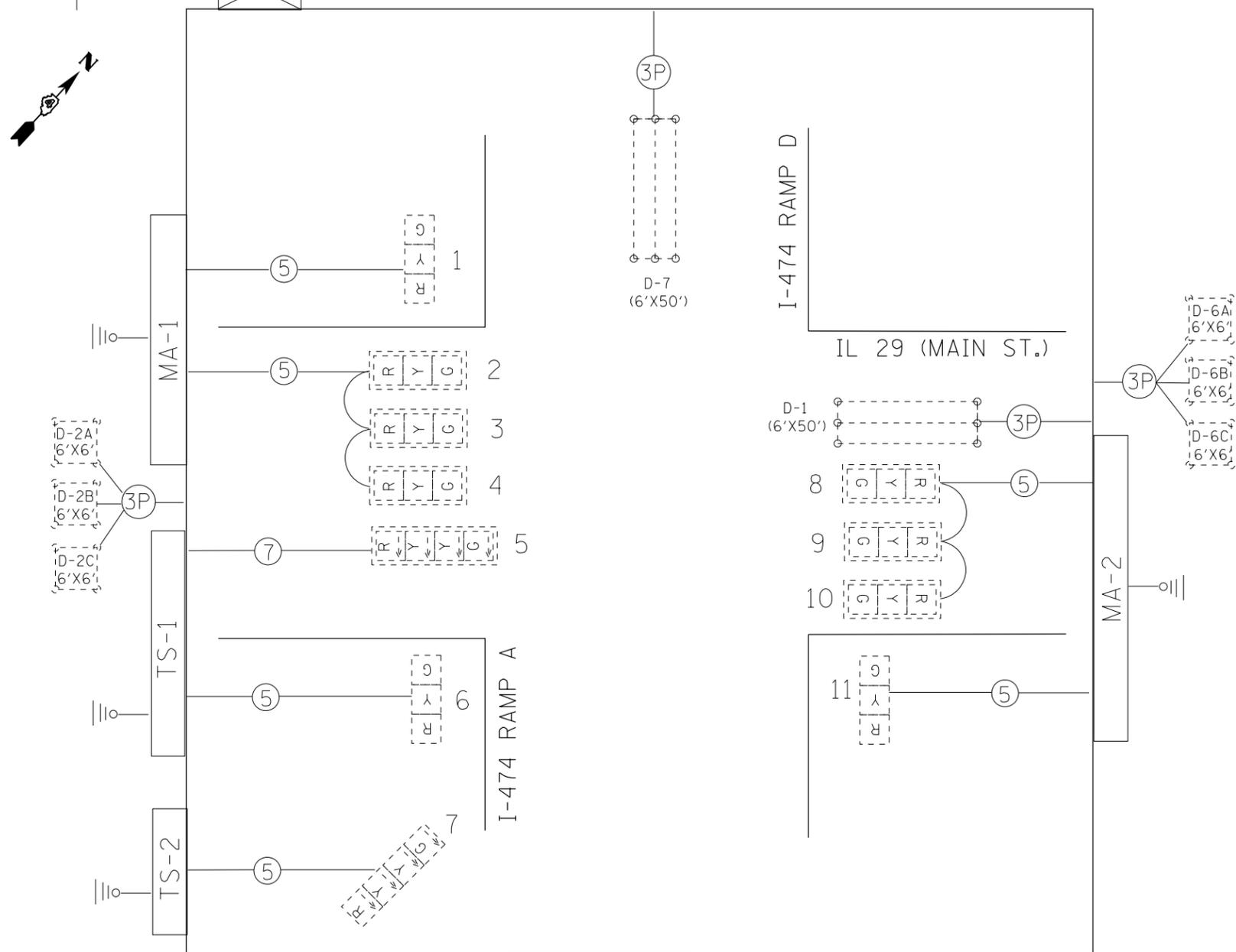
120V SERVICE
FROM EX. SIGNAL
CONTROLLER
AT IL 29 & LASALLE

FIBER TO
LASALLE BLVD

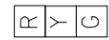
FIBER TO
I-474 RAMPS B&C

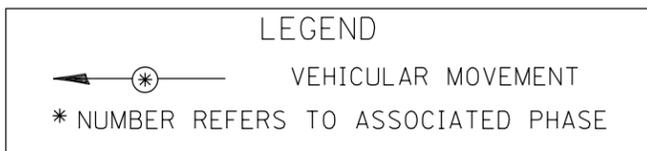
EXISTING PHASE DIAGRAM

NAME OF INTERSECTION IL 29 (MAIN ST.) & I-474 RAMPS A & D
EXISTING CONTROLLER: ECONOLITE ASC/3 (TS-2 TYPE 2) IN
TYPE IV CABINET, TS-1 BACKPANEL



TRAFFIC SIGNALS LEGEND

-  EX. CONTROLLER (SIGNAL)
-  EX. 3 SEC. SIGNAL HEAD W/BACKPLATE
-  EX. 3 SEC. SIGNAL HEAD
-  #18 3-PR DETECTOR LOOP CABLE
-  5/C NO. 14 SIGNAL CABLE
-  7/C NO. 14 SIGNAL CABLE
-  EX. DETECTOR LOOP (6'X6')
-  EX. DETECTOR LOOP (QUADRAPOLE)
-  EX. SERVICE INSTALLATION
-  EX. GROUND/SAFETY BOND



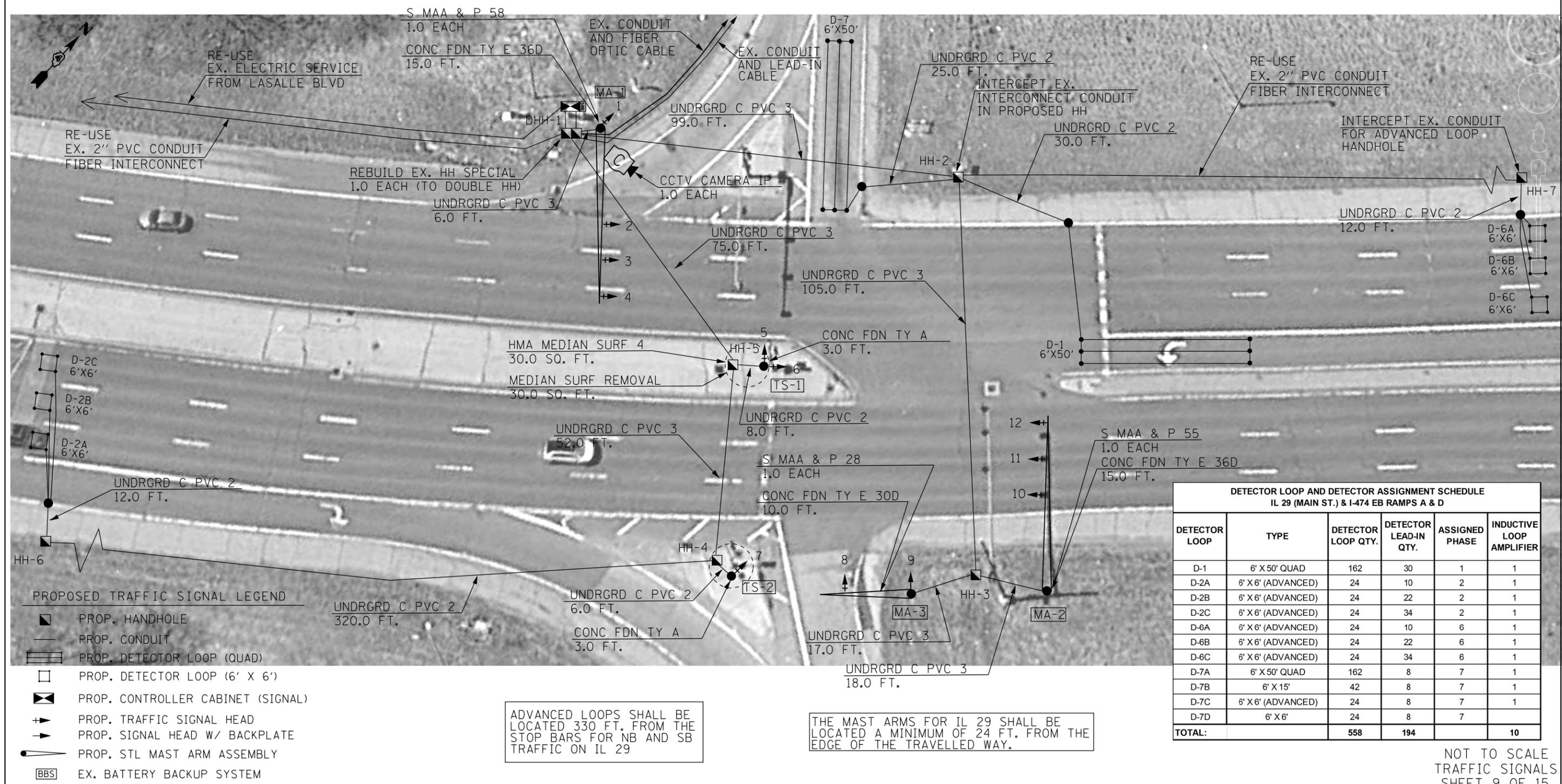
NOT TO SCALE
TRAFFIC SIGNALS
SHEET 8 OF 15

FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS IL 29 (MAIN ST.) & I-474 RAMPS A & D - CREVE COEUR	F.A.I. RTE. 474	SECTION 90-6,7RS-1	COUNTY TAZEWELL	TOTAL SHEETS 245	SHEET NO. 231
DRAWN - 474 Ramps Traffic Signal Plans (REVISED).dgn CHECKED - DATE -				SCALE: SHEET NO. 16 OF 62 SHEETS STA. TO STA.		CONTRACT NO. 68606 ILLINOIS FED. AID PROJECT				

SCHEDULE OF HANDHOLE QUANTITIES		
REF.	LOCATION	TYPE
DHH-1	SW QUADRANT	DOUBLE (REBUILD EX. HH)
HH-2	NW QUADRANT	STANDARD (INTERCEPT CONDUIT)
HH-3	NE QUADRANT	STANDARD
HH-4	SE ISLAND	STANDARD
HH-5	SOUTH MEDIAN	STANDARD
HH-6	PHASE 2 ADV	STANDARD
HH-7	PHASE 6 ADV	STANDARD (INTERCEPT CONDUIT)

SCHEDULE OF TRAFFIC SIGNAL HEADS				
QTY.	UNIT	ITEM	LOCATION	
2.0	EACH	SH, LED, 1F, 3-SEC, BM	1,9	
7.0	EACH	SH, LED, 1F, 3-SEC, MAM	2,3,4,8,10,11,12	
3.0	EACH	SH, LED, 1F, 4-SEC, BM	5,6,7	
12.0	EACH	SIGNAL BACKPLATE, REFLECTIVE	1,2,3,4,5,6,7,8,9,10,11,12	

SCHEDULE OF MAST ARM ASSEMBLIES AND POSTS			
REF.	LOCATION	TYPE	LENGTH
MA-1	SW QUADRANT	S MAA & P	55 FT.
MA-2	NE QUADRANT	S MAA & P	55 FT.
MA-3	NE QUADRANT	S MAA & P	28 FT.
TS-1	SOUTH MEDIAN	TS POST, GALVS	16 FT.
TS-2	SE ISLAND	TS POST, GALVS	16 FT.



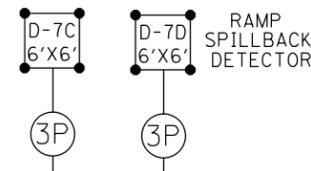
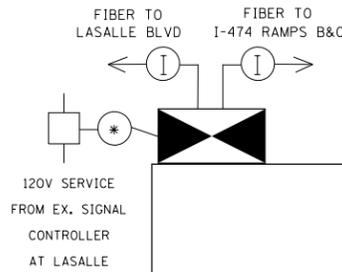
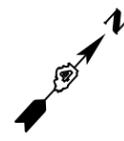
DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 (MAIN ST.) & I-474 EB RAMPS A & D					
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	INDUCTIVE LOOP AMPLIFIER
D-1	6' X 50' QUAD	162	30	1	1
D-2A	6' X 6' (ADVANCED)	24	10	2	1
D-2B	6' X 6' (ADVANCED)	24	22	2	1
D-2C	6' X 6' (ADVANCED)	24	34	2	1
D-6A	6' X 6' (ADVANCED)	24	10	6	1
D-6B	6' X 6' (ADVANCED)	24	22	6	1
D-6C	6' X 6' (ADVANCED)	24	34	6	1
D-7A	6' X 50' QUAD	162	8	7	1
D-7B	6' X 15'	42	8	7	1
D-7C	6' X 6' (ADVANCED)	24	8	7	1
D-7D	6' X 6'	24	8	7	1
TOTAL:		558	194		10

- PROPOSED TRAFFIC SIGNAL LEGEND**
- ◻ PROP. HANDHOLE
 - PROP. CONDUIT
 - ▭ PROP. DETECTOR LOOP (QUAD)
 - ◻ PROP. DETECTOR LOOP (6' X 6')
 - ◻ PROP. CONTROLLER CABINET (SIGNAL)
 - + PROP. TRAFFIC SIGNAL HEAD
 - PROP. SIGNAL HEAD W/ BACKPLATE
 - ◻ PROP. STL MAST ARM ASSEMBLY
 - ◻ EX. BATTERY BACKUP SYSTEM

ADVANCED LOOPS SHALL BE LOCATED 330 FT. FROM THE STOP BARS FOR NB AND SB TRAFFIC ON IL 29

THE MAST ARMS FOR IL 29 SHALL BE LOCATED A MINIMUM OF 24 FT. FROM THE EDGE OF THE TRAVELLED WAY.

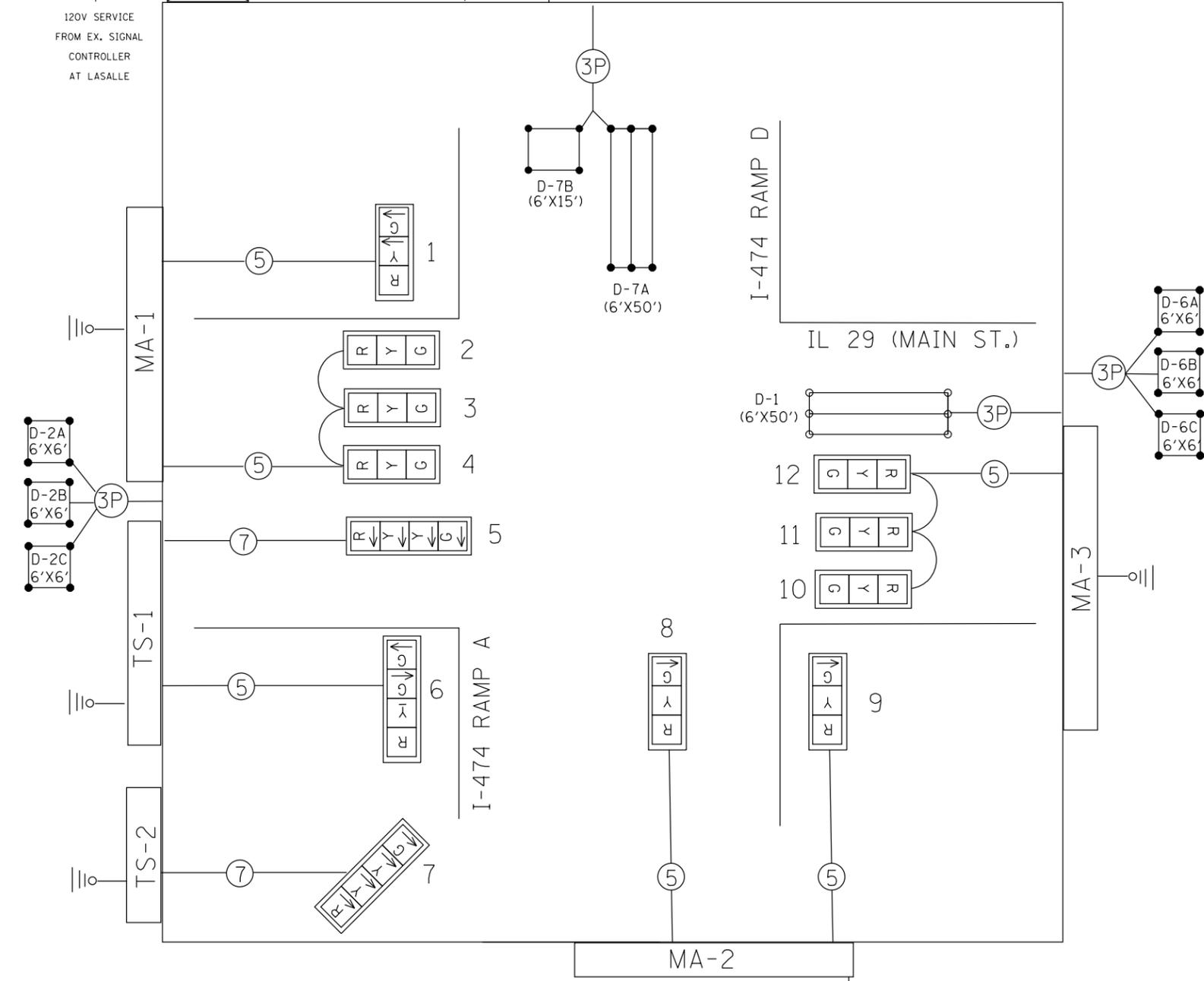
NOT TO SCALE
TRAFFIC SIGNALS
SHEET 9 OF 15



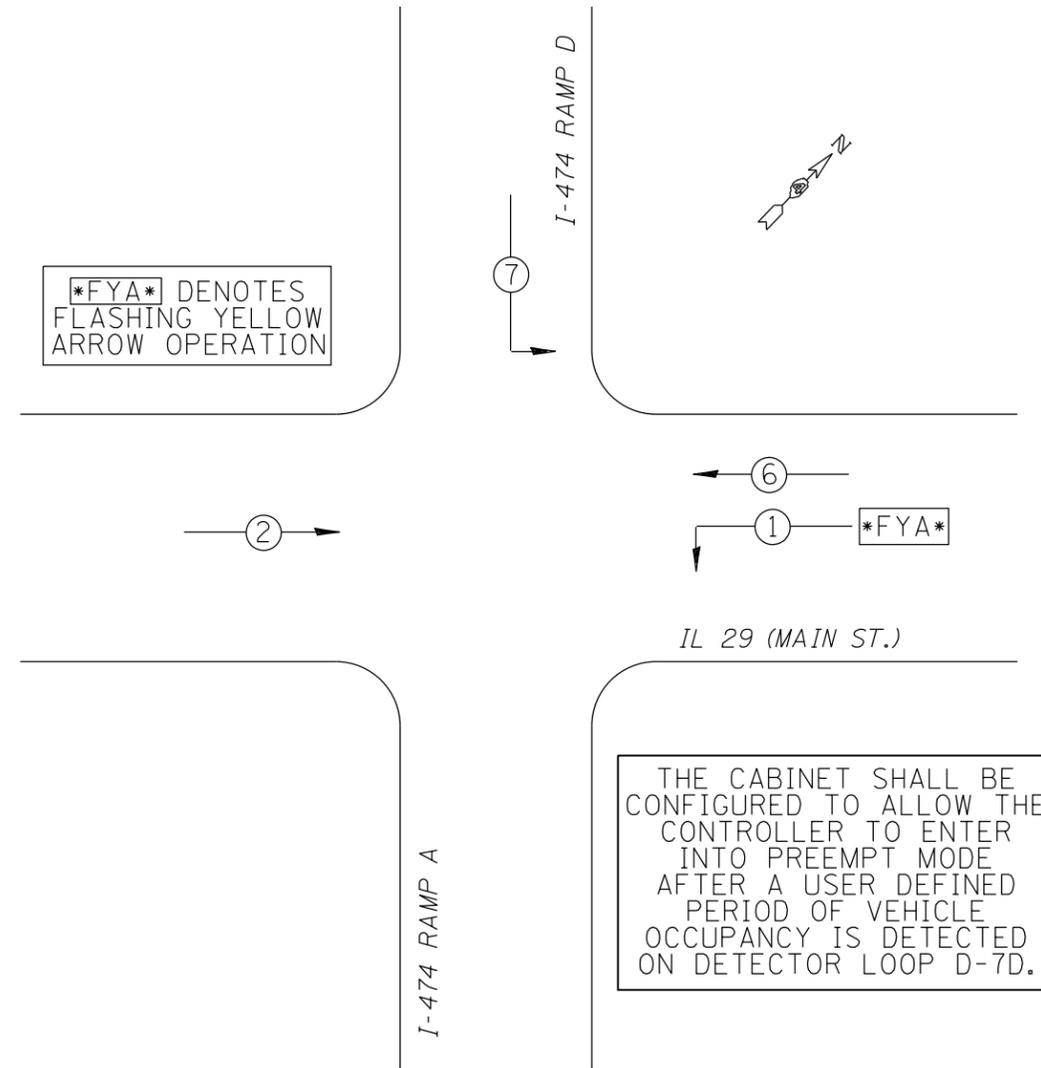
ALL TRAFFIC SIGNAL MAST ARMS, CONTROLLER CABINETS, HANDHOLES (LIDS AND FRAMES), AND EXPOSED METALLIC CONDUITS SHALL BE GROUNDED AND SAFETY BONDED IN ACCORDANCE WITH NEC REQUIREMENTS.

PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION IL 29 (MAIN) & I-474 RAMPS A & D
 PROPOSED CONTROLLER: ECONOLITE ASC/3 (TS-2 TYPE 2) IN
 TYPE IV CABINET, TS-2 BACKPANEL, 16 POS.



FYA DENOTES FLASHING YELLOW ARROW OPERATION



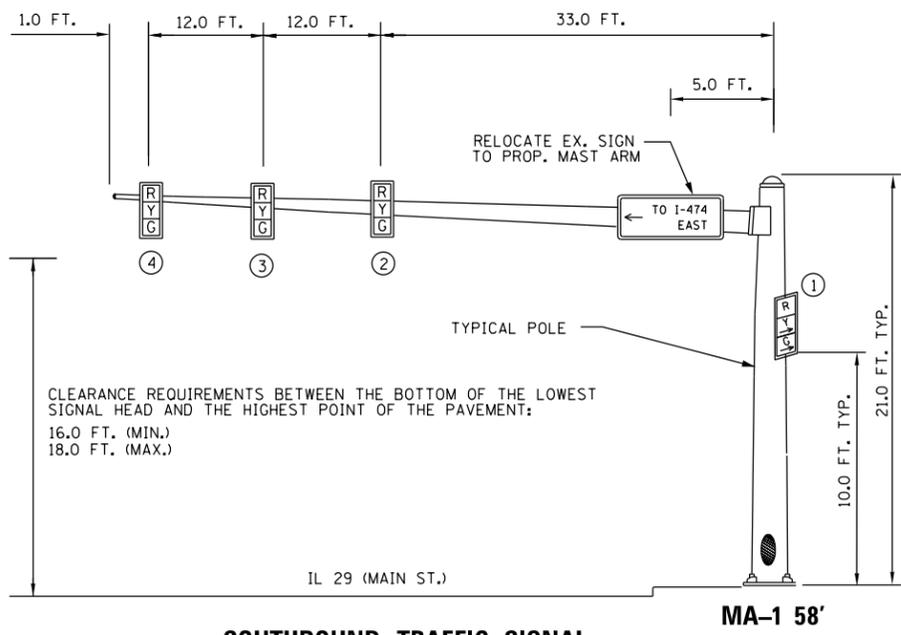
THE CABINET SHALL BE CONFIGURED TO ALLOW THE CONTROLLER TO ENTER INTO PREEMPT MODE AFTER A USER DEFINED PERIOD OF VEHICLE OCCUPANCY IS DETECTED ON DETECTOR LOOP D-7D.

TRAFFIC SIGNALS LEGEND

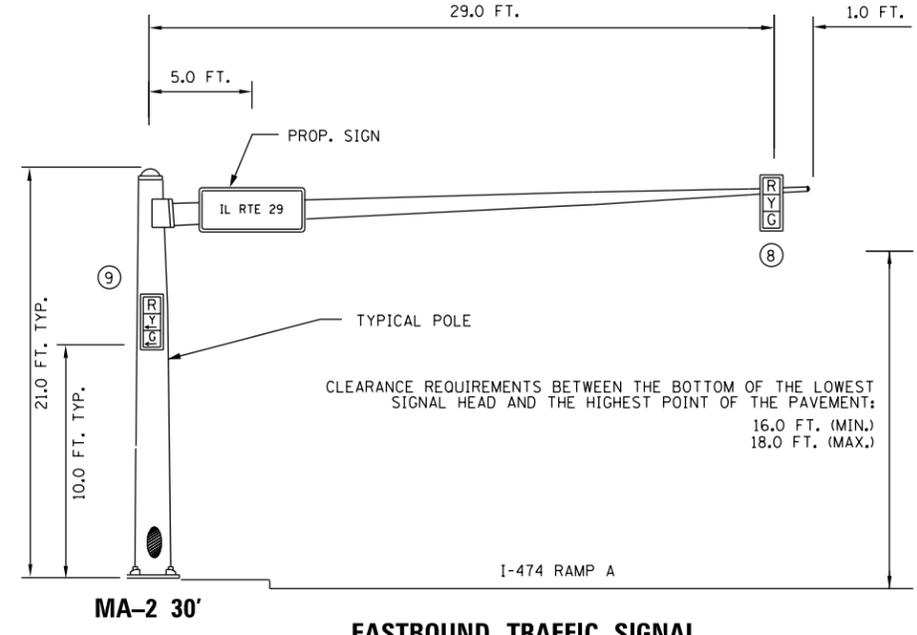


- PROP. CONTROLLER (SIGNAL)
- PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE
- PROP. GROUND/SAFETY BOND
- #18 3-PR DETECTOR LOOP CABLE
- 5/C NO. 14 SIGNAL CABLE
- 7/C NO. 14 SIGNAL CABLE
- PROP. DETECTOR LOOP (6'X6')
- PROP. DETECTOR LOOP (QUADRAPOLE)
- EX. SERVICE INSTALLATION

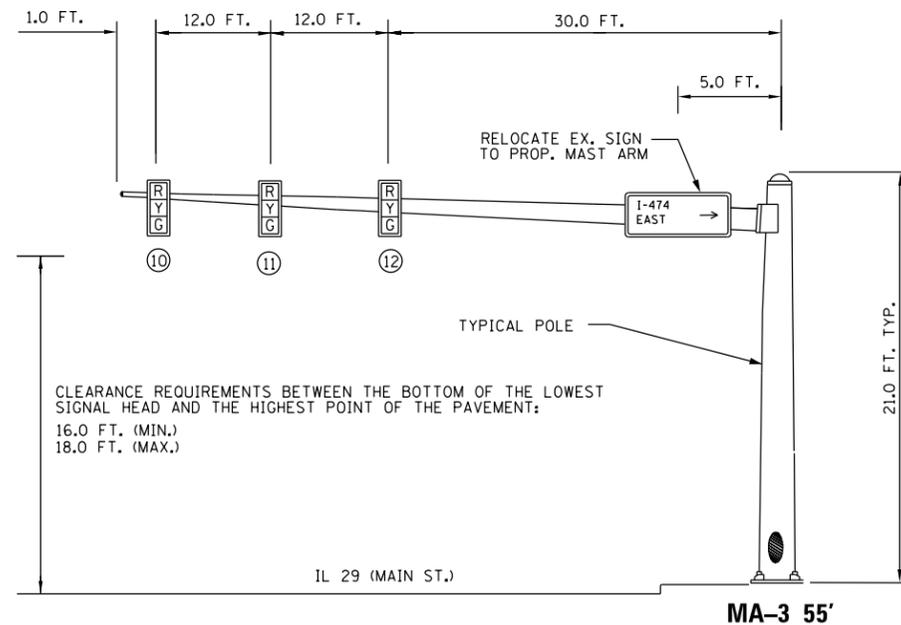
NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 11 OF 15



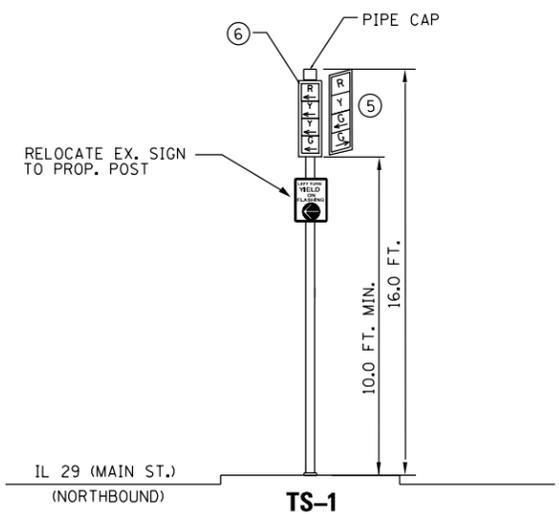
SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST CORNER OF IL 29 (MAIN ST.) & I-474 RAMPS A & D



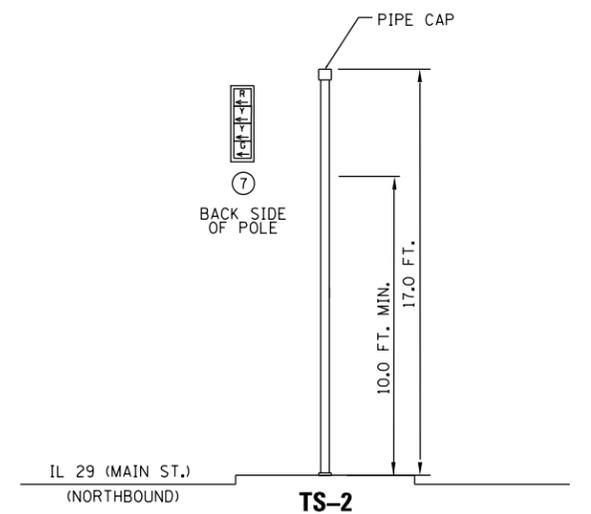
EASTBOUND TRAFFIC SIGNAL
NORTHEAST CORNER OF IL 29 (MAIN ST.) & I-474 RAMPS A & D



NORTHBOUND TRAFFIC SIGNAL
NORTHEAST CORNER OF IL 29 (MAIN ST.) & I-474 RAMPS A & D



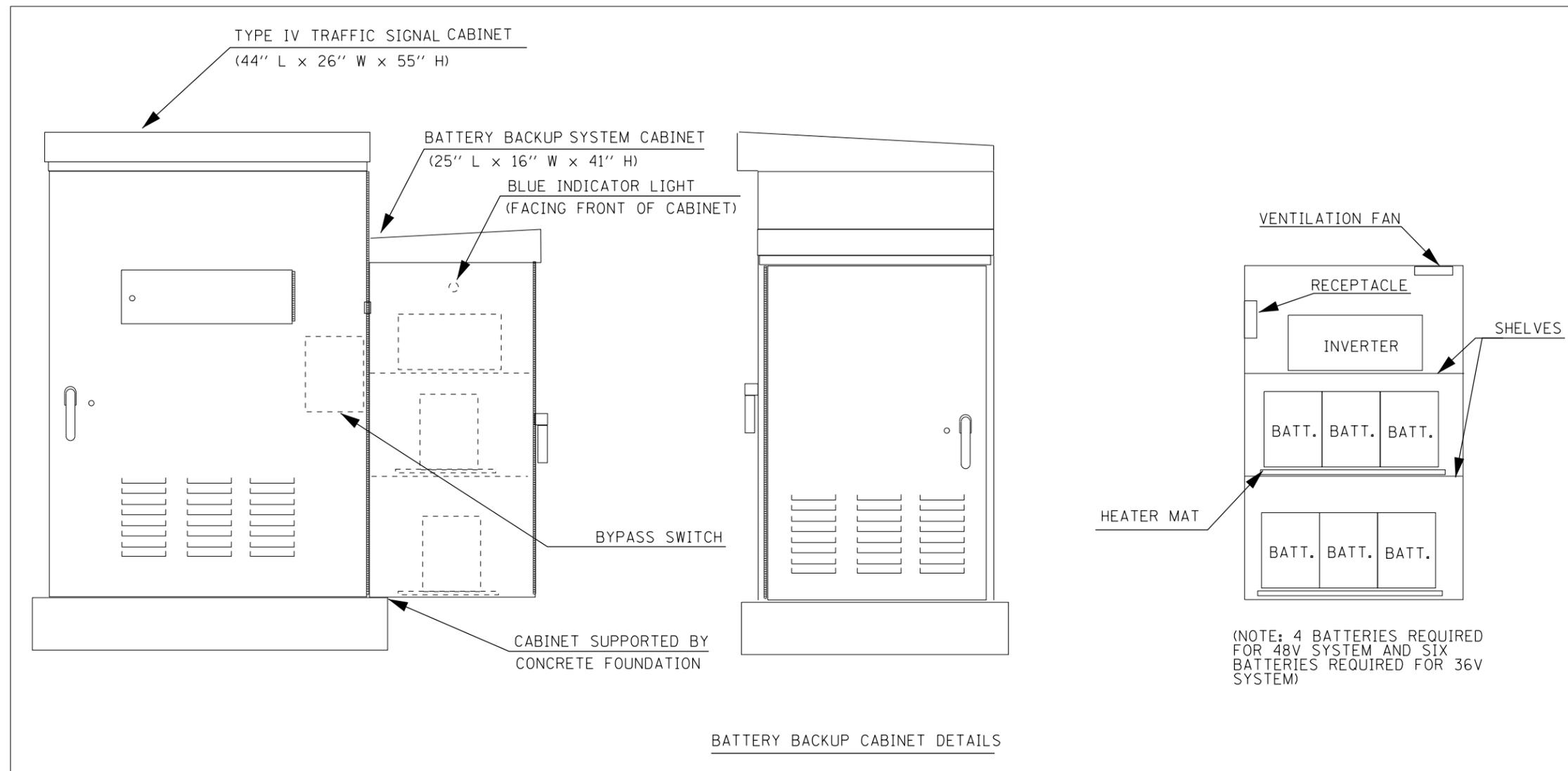
SOUTHBOUND TRAFFIC SIGNAL
SOUTH MEDIAN - IL 29 (MAIN ST.) & I-474 EB RAMPS A & D



NORTHBOUND TRAFFIC SIGNAL
SE ISLAND - IL 29 (MAIN ST.) & I-474 EB RAMPS A & D

NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 12 OF 15

FILE NAME =	USER NAME = lababidism	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MAST ARM DETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\Central\4\common\GEN\Transfer - bureau\68606 - IL 29 Traffic Signals\68606 - I-474 Ramps Traffic Signal Plans (REVISED).dgn		DRAWN -	REVISED -		SCALE:	STA.	TO STA.	474	90-6,7RS-1	TAZEWELL	245	235
		CHECKED -	REVISED -		CONTRACT NO. 68606							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



NOTES

1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 41" (H) X 25" (W) X 16" (D). THE CABINET SHALL BE EQUIPPED WITH A THREE POINT LATCHING MECHANISM, TWO SHELVES, THERMOSTATICALLY CONTROLLED VENTILATION FAN, AND A POWER RECEPTACLE. THE CABINET SHALL BE MOUNTED TO THE SIDE OF THE PROPOSED TYPE IV CABINET WITH THE BOTTOM OF THE CABINET SUPPORTED BY THE CONCRETE FOUNDATION.
2. ALL CABINET LIGHTS, HEATER STRIPS, VENTILATION FANS, AND SERVICE RECEPTACLES SHALL BE BYPASSED WHEN THE BATTERY BACKUP UNIT IS OPERATING IN BATTERY MODE.
3. THE BATTERY BACKUP UNITS CONTACTS SHALL BE WIRED TO PROVIDE LOCAL CONTROLLER ALARMS (AS AVAILABLE IN THE PROPOSED CABINETS).
4. THE BYPASS SWITCH SHALL BE AUTOMATIC AND SHALL BE INSTALLED IN THE BBS CABINET.

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 13 OF 15

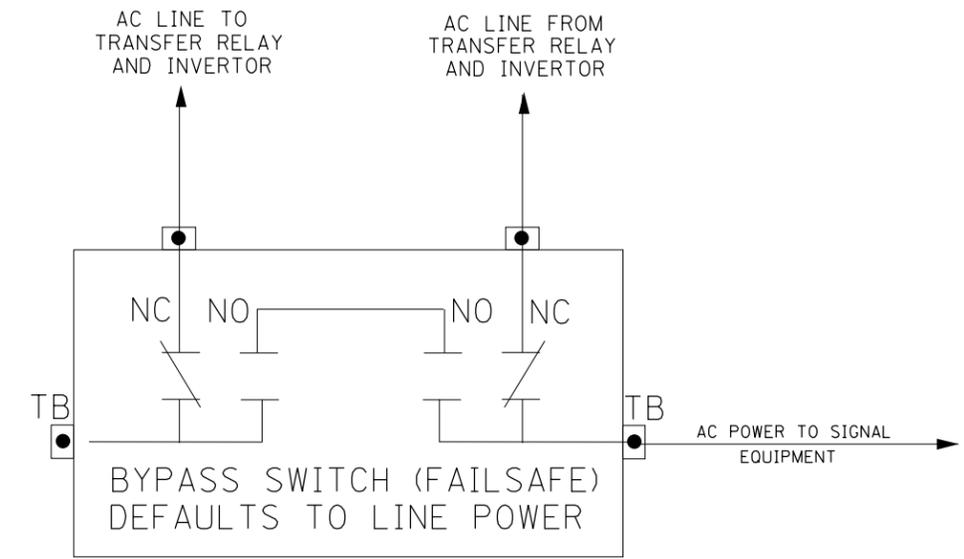
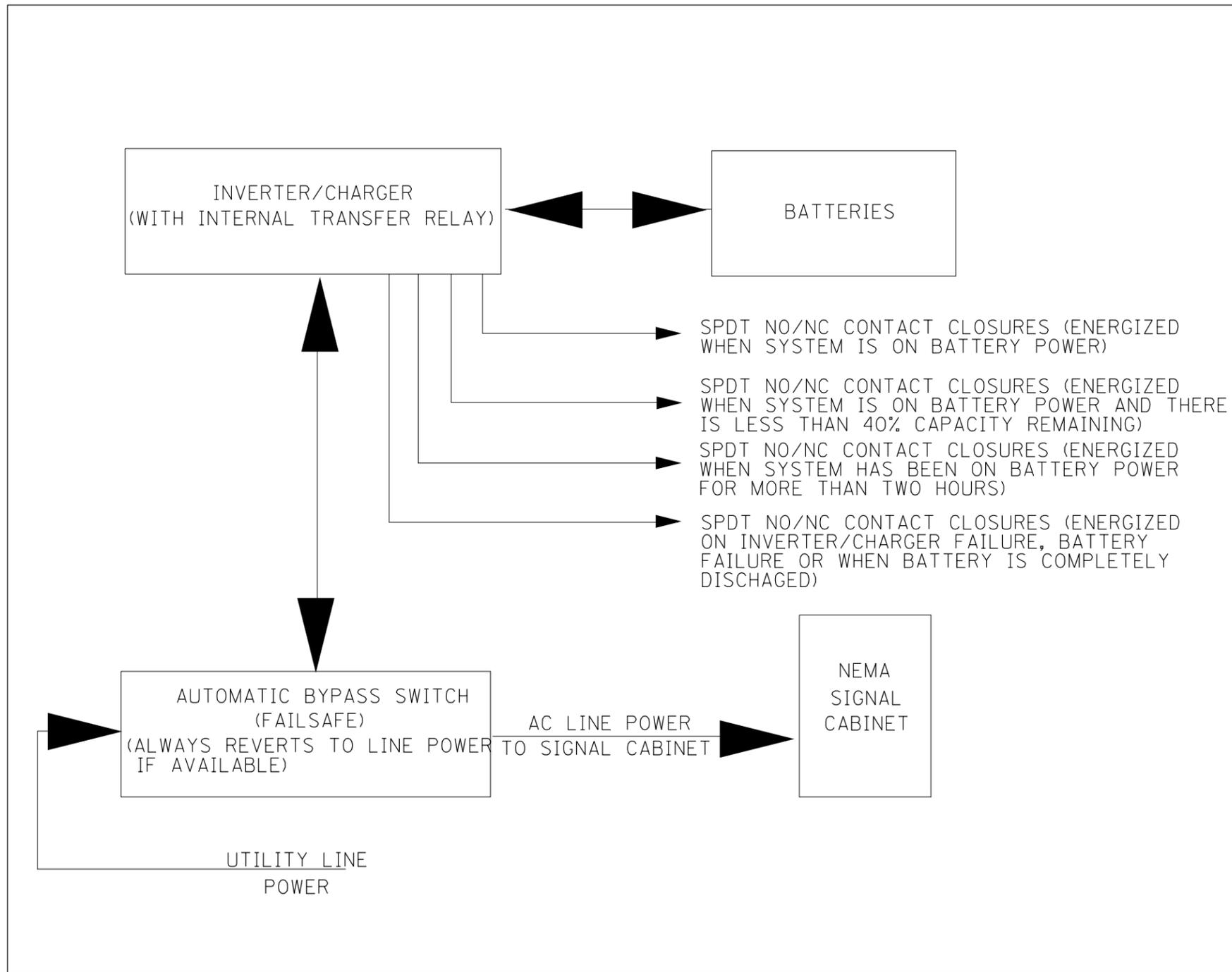
FILE NAME =	USER NAME = labobidism	DESIGNED -	REVISED -
\\Central\ad4\common\GEN\Transfer - bur	us\68606 - IL 29 Traffic Signals\68606 - IL	DRAWN-474 Ramps Traffic Signal Plans	REVISED 5/15/15
	PLOT SCALE = 25.4994 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BATTERY BACKUP SYSTEM CABINET DETAIL

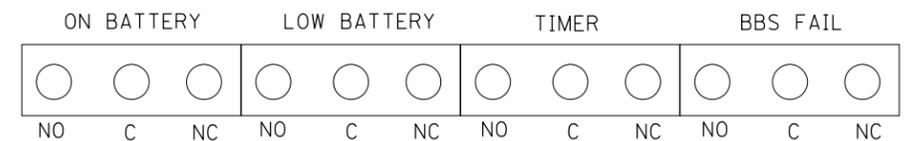
SCALE: STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	236
CONTRACT NO. 68606				
ILLINOIS FED. AID PROJECT				



NOTES:

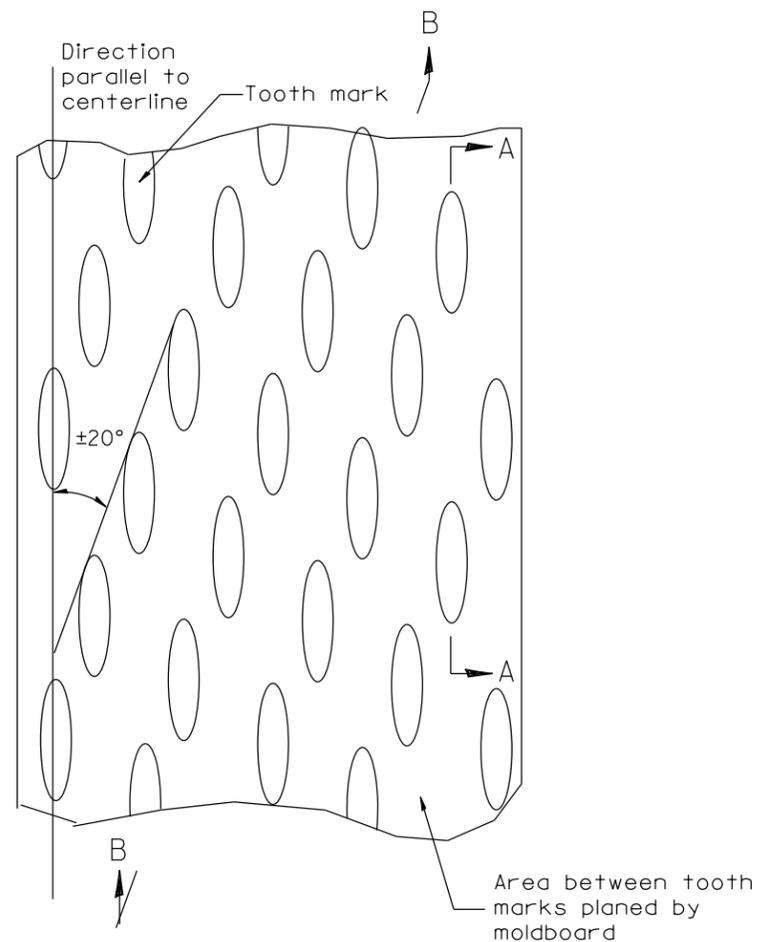
1. TB - #8 TERMINAL BLOCKS
2. NO - NORMALLY OPEN
3. NC - NORMALLY CLOSED
4. NO/NC CONTACTS SHALL ALL TOGGLE SIMULTANEOUSLY WITH A SINGLE MANUALLY OPERATED SWITCH.
5. THE MANUAL BYPASS SWITCH SHALL ONLY SWITCH LINE POWER. THE NEUTRAL AND EQUIPMENT GROUND SHALL NOT BE SWITCHED AND SHALL BE CONNECTED TO THE NEMA CABINET BUSSES.



NO/NC CONTACTS MAY SHARE OR USE SEPARATE COMMONS.

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 15 OF 15

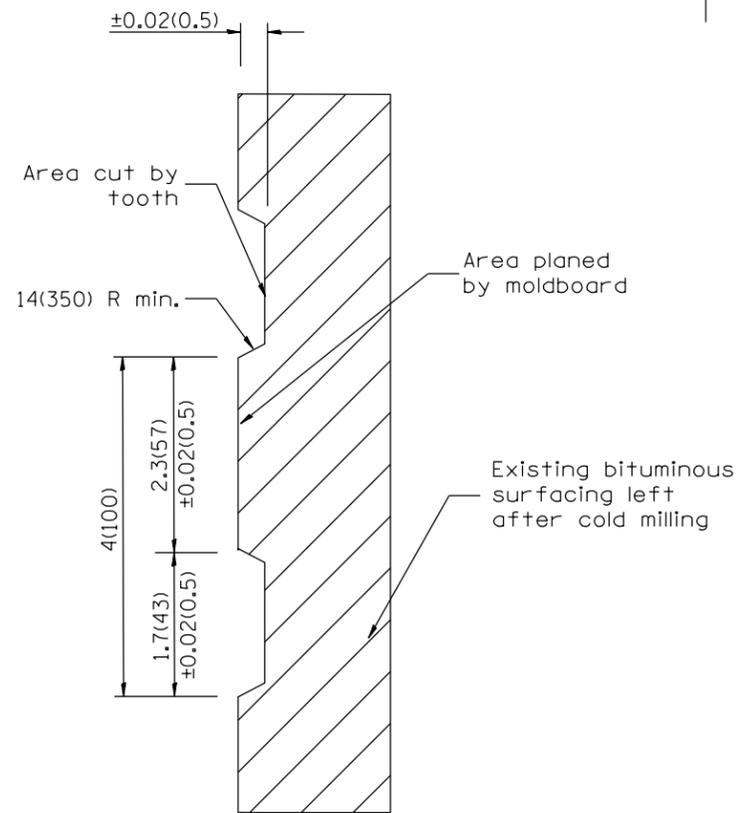
FILE NAME =	USER NAME = lababidsm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BATTERY BACKUP SYSTEM BLOCK AND BYPASS SWITCH DIAGRAMS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\Central\4\common\GEN\Transfer - bureau\68606 - IL 29 Traffic Signals\68606 - IL	DRAWN-474 Ramps Traffic Signal Plans (REVISED).dgn	CHECKED -	REVISED -			474	90-6,7RS-1	TAZEWELL	245	238	
PLOT SCALE = 25.4994' / in.	DATE -	REVIS				CONTRACT NO. 68606					
PLOT DATE = 12/11/2015	DATE -	REVIS				ILLINOIS FED. AID PROJECT					



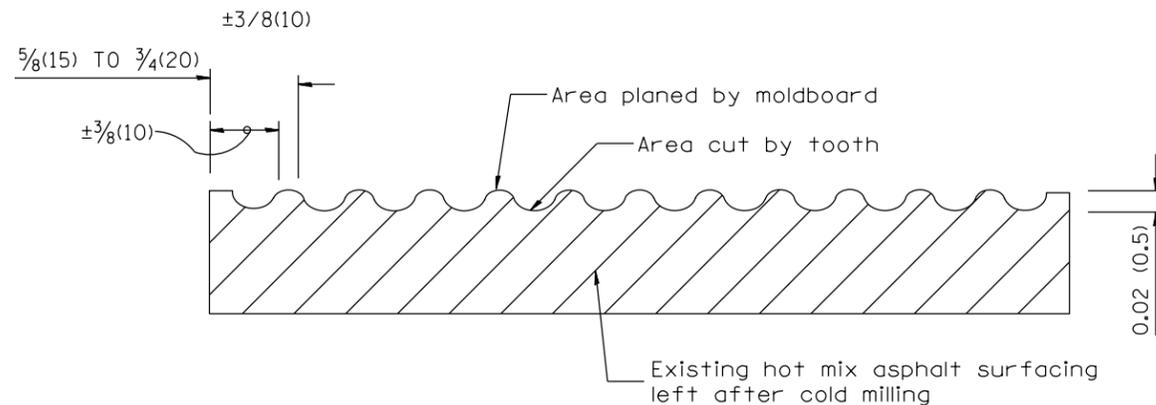
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED PERPENDICULAR TO CENTERLINE

DESIGNER NOTES:
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

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

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

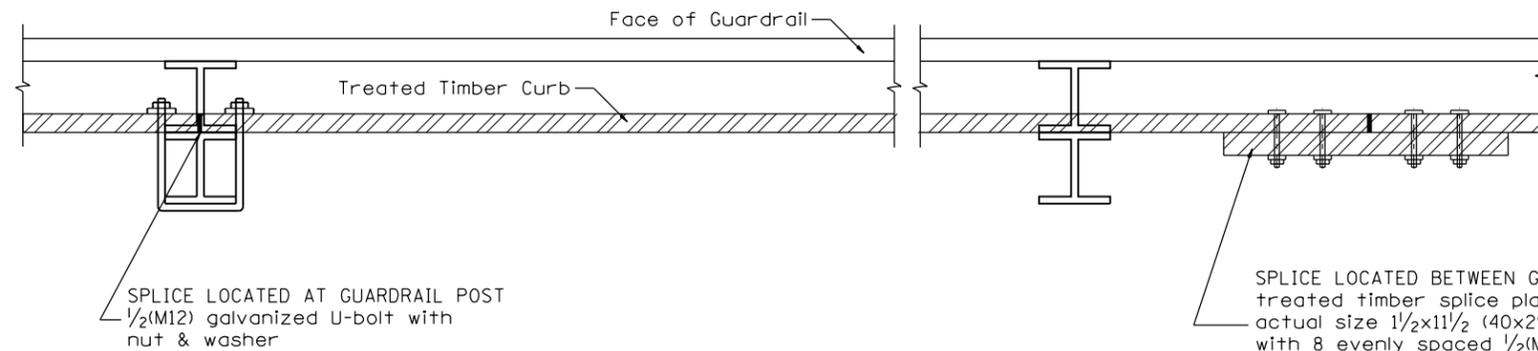
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

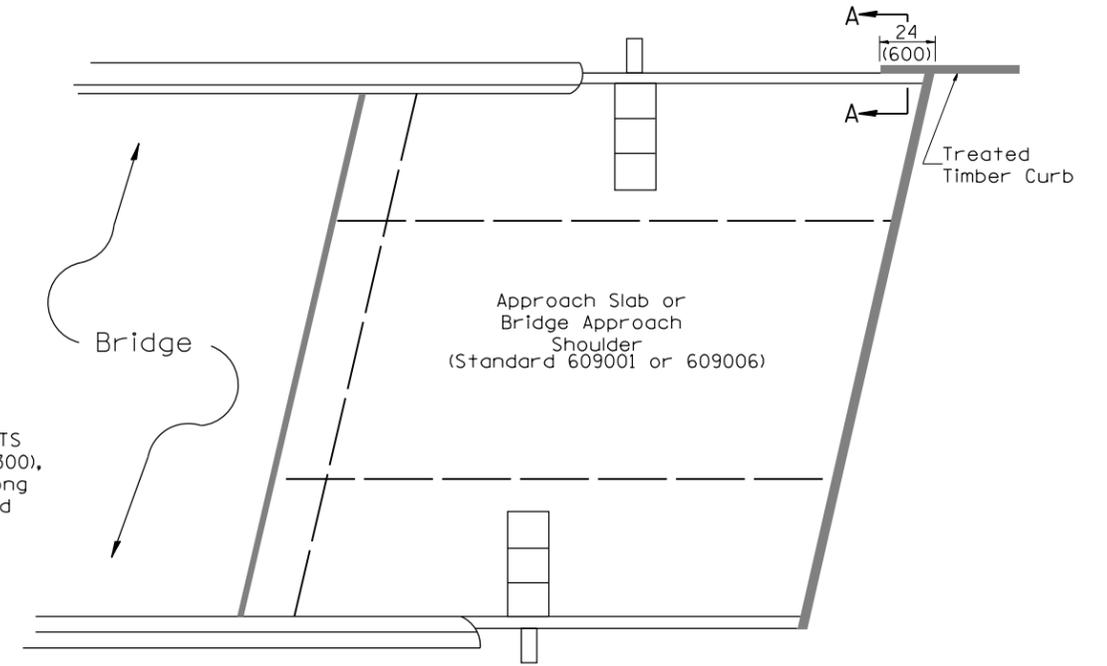
NOT TO SCALE

CADD STD. 440001-D4

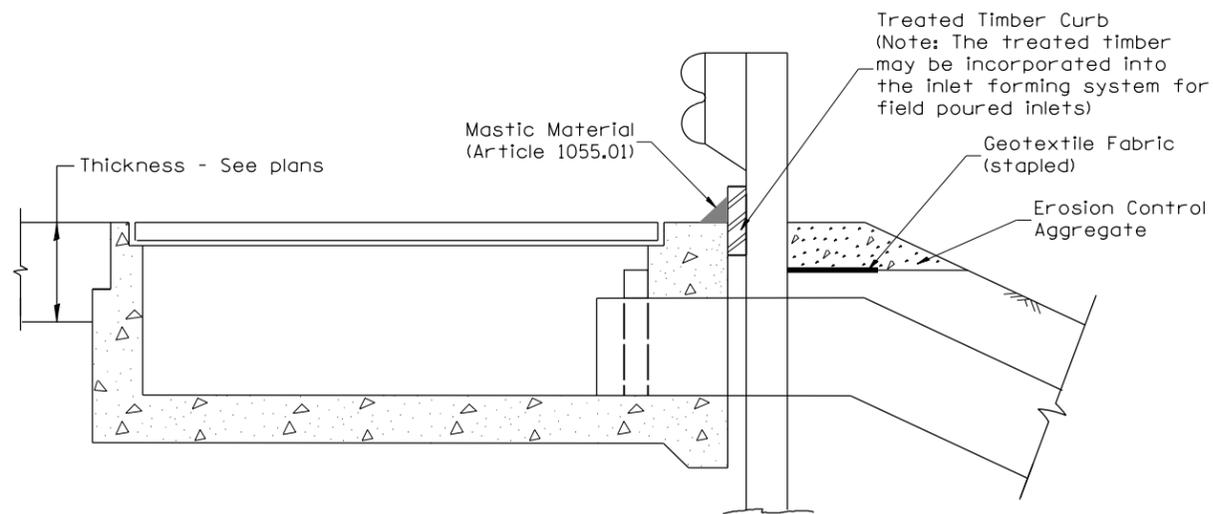
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	240
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68606	



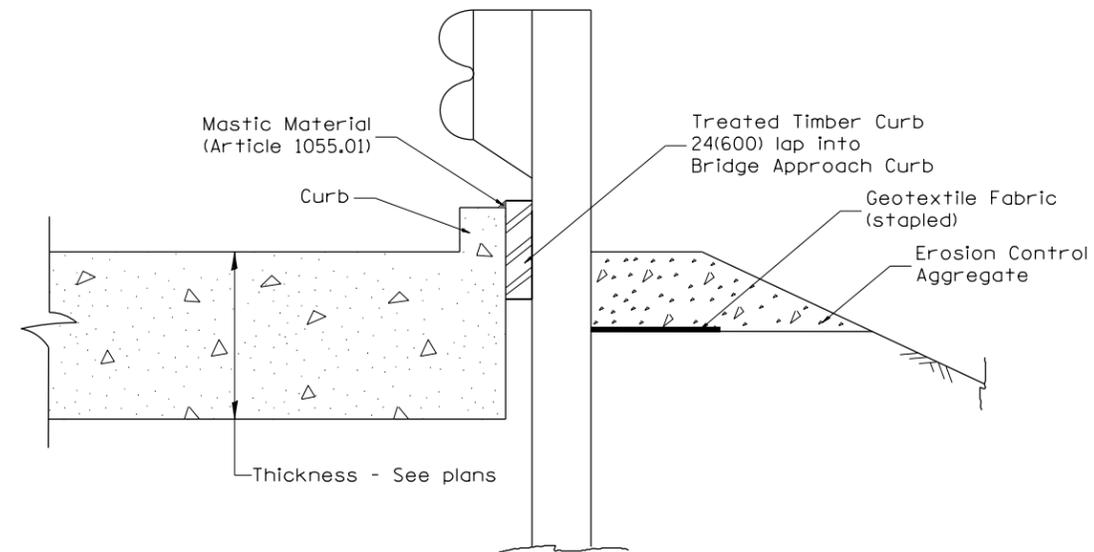
DETAIL A
(Typical Treated Timber Splices)



PLAN VIEW
APPROACH SLAB OR BRIDGE APPROACH SHOULDER
(STANDARD 609001 or 609006)



TYPICAL SECTION WITH EROSION CONTROL CURB
AT INLETS TYPE E & F (STANDARD 610001)



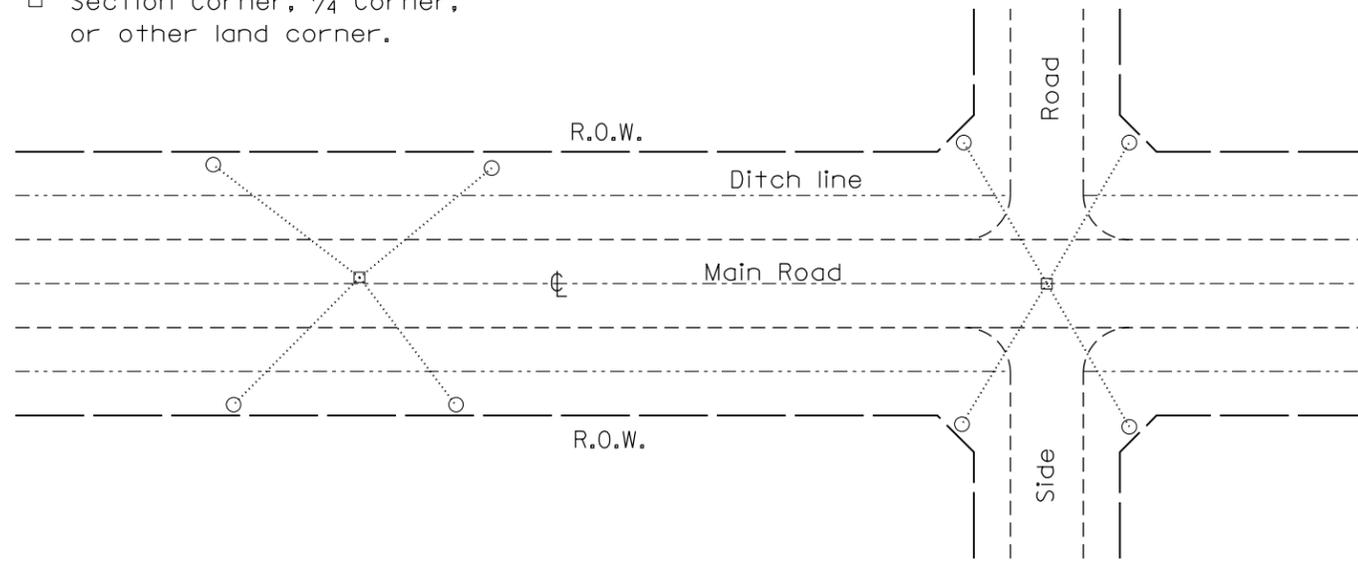
SECTION A-A
TYPICAL SECTION WITH EROSION CONTROL CURB
AT BRIDGE APPROACH CURB
(STANDARD 609001 OR 609006)

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

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GUARDRAIL EROSION CONTROL TREATMENTS		SHT. 2 OF 2 CADD STD. 630101-D4		<table border="1"> <tr> <th>F.A.I. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>474</td> <td>90-6,7RS-1</td> <td>TAZEWELL</td> <td>245</td> <td>242</td> </tr> <tr> <td colspan="3">FED. ROAD DIST. NO.</td> <td colspan="2">ILLINOIS FED. AID PROJECT</td> </tr> </table>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	474	90-6,7RS-1	TAZEWELL	245	242	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
474	90-6,7RS-1	TAZEWELL	245	242																						
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT																							
						NOT TO SCALE				CONTRACT NO. 68606																

PERMANENT SURVEY TIES

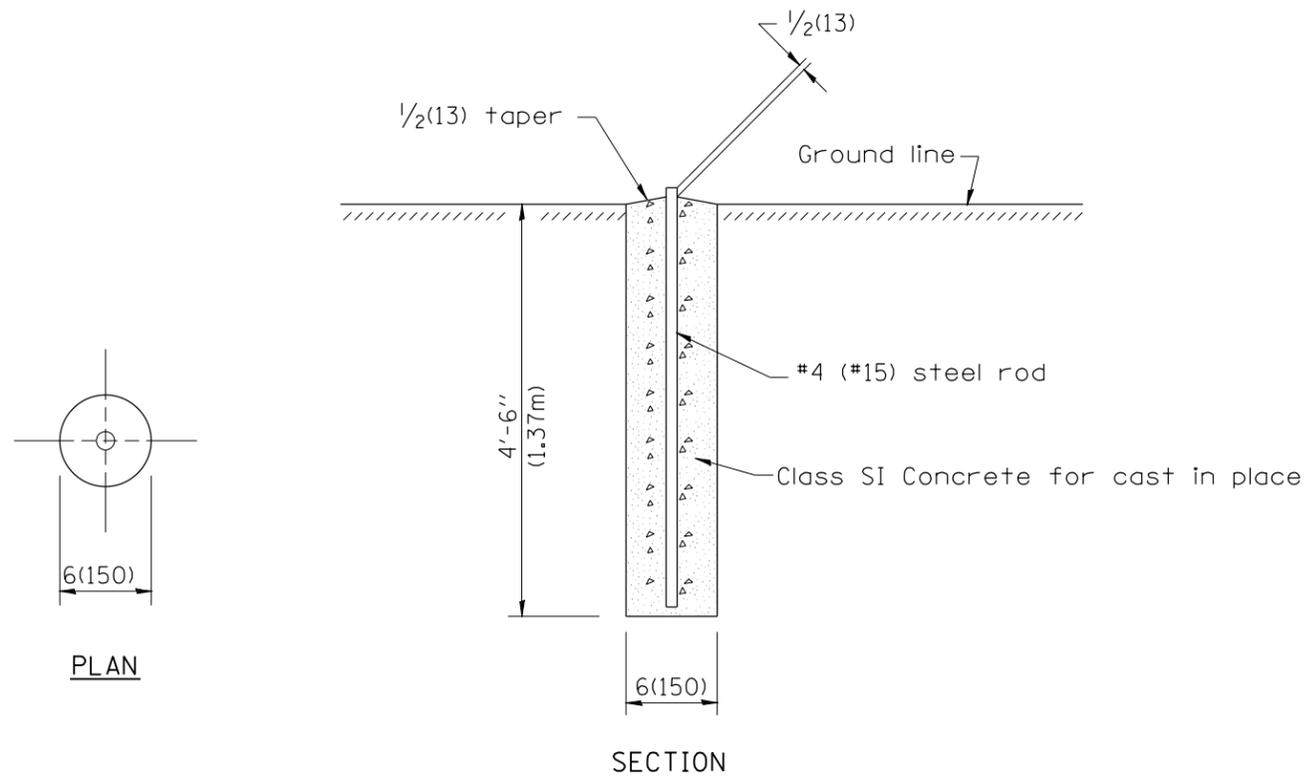
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



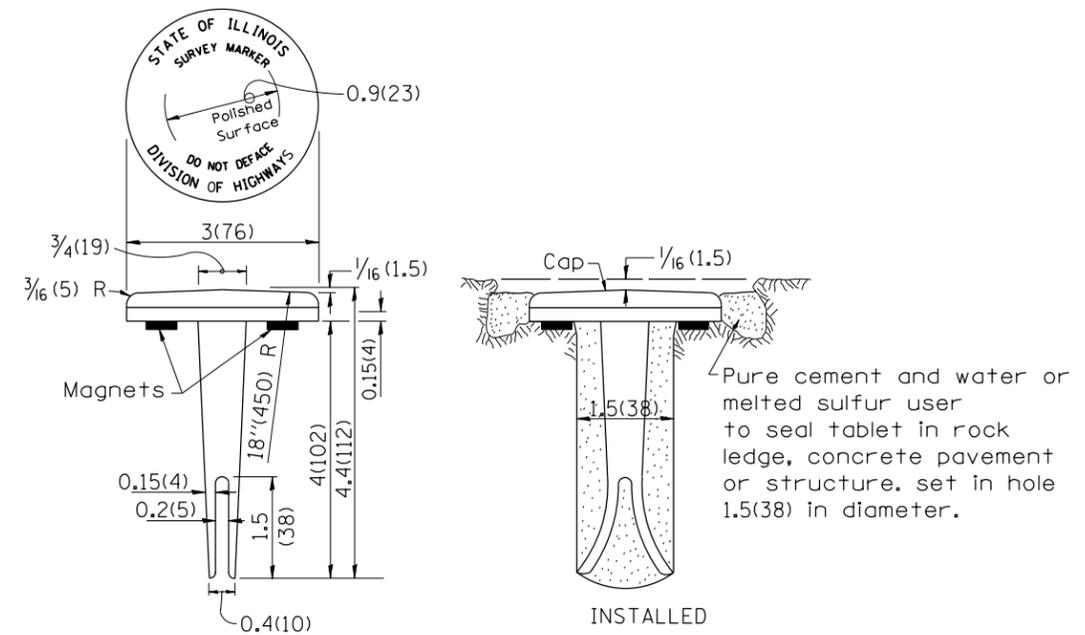
TYPICAL APPLICATION

GENERAL NOTES

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the IDOT Chief of Surveys.



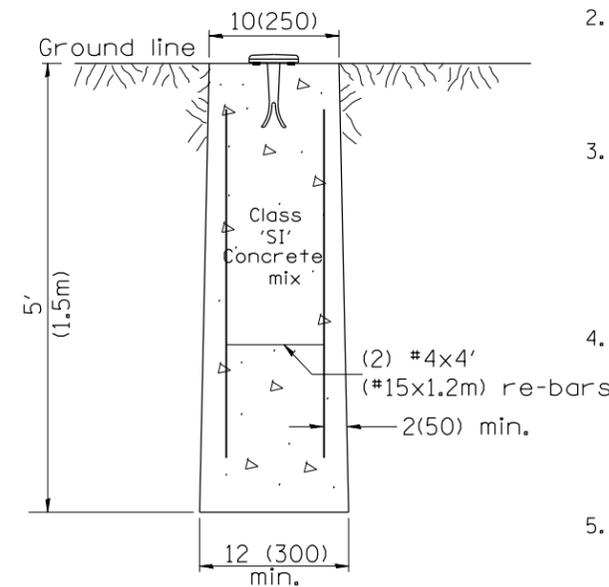
PERMANENT SURVEY MARKERS



BRONZE TABLET - No Scale TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s and P.C.'s of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



MARKER CAST IN PLACE TYPE II

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

DESIGNER NOTES:
1. ADD DISTRICT SPECIAL PROVISION.
2. MODIFIES STATE STD 667101 TO CALL FOR "BRONZE" TABLET.

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
07-07-98	TITLE BOX, ADD DESIGNER NOTE	J.A.			
05-24-06	ADD DESIGNER NOTE	M.A.			
	REMOVED GEN. NOTE UNDER TIES				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

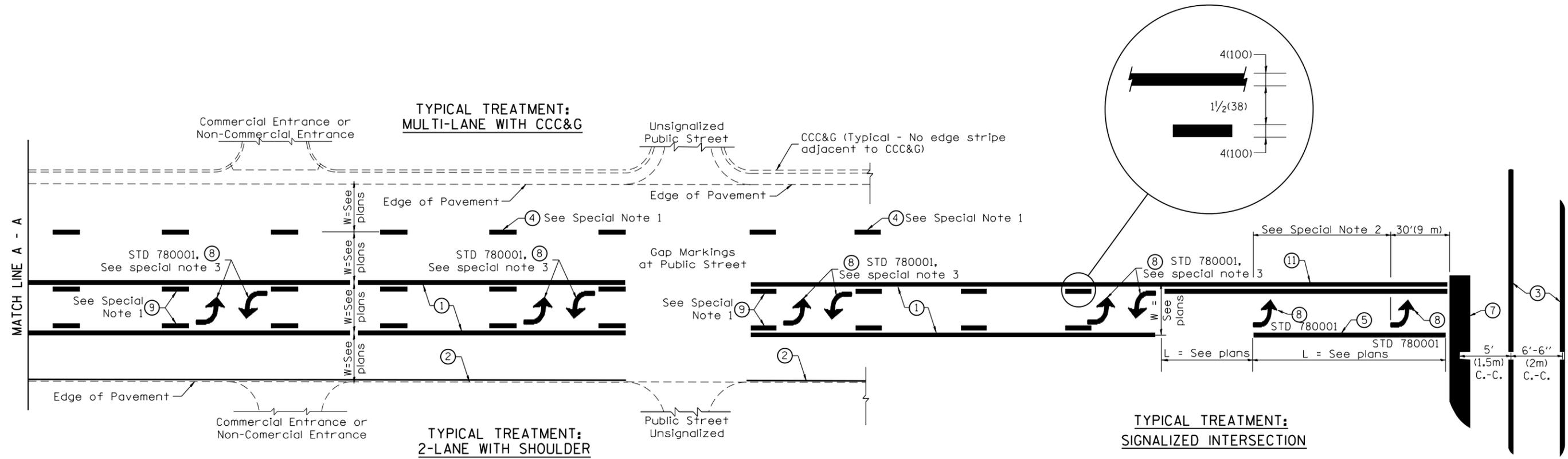
**PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II**

NOT TO SCALE

CADD STD. 667101-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	243
CONTRACT NO. 68606				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.		
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.		
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	90-6,7RS-1	TAZEWELL	245	244
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68606	

