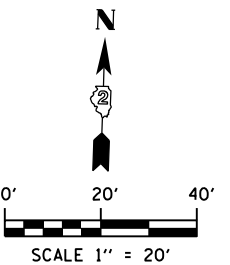
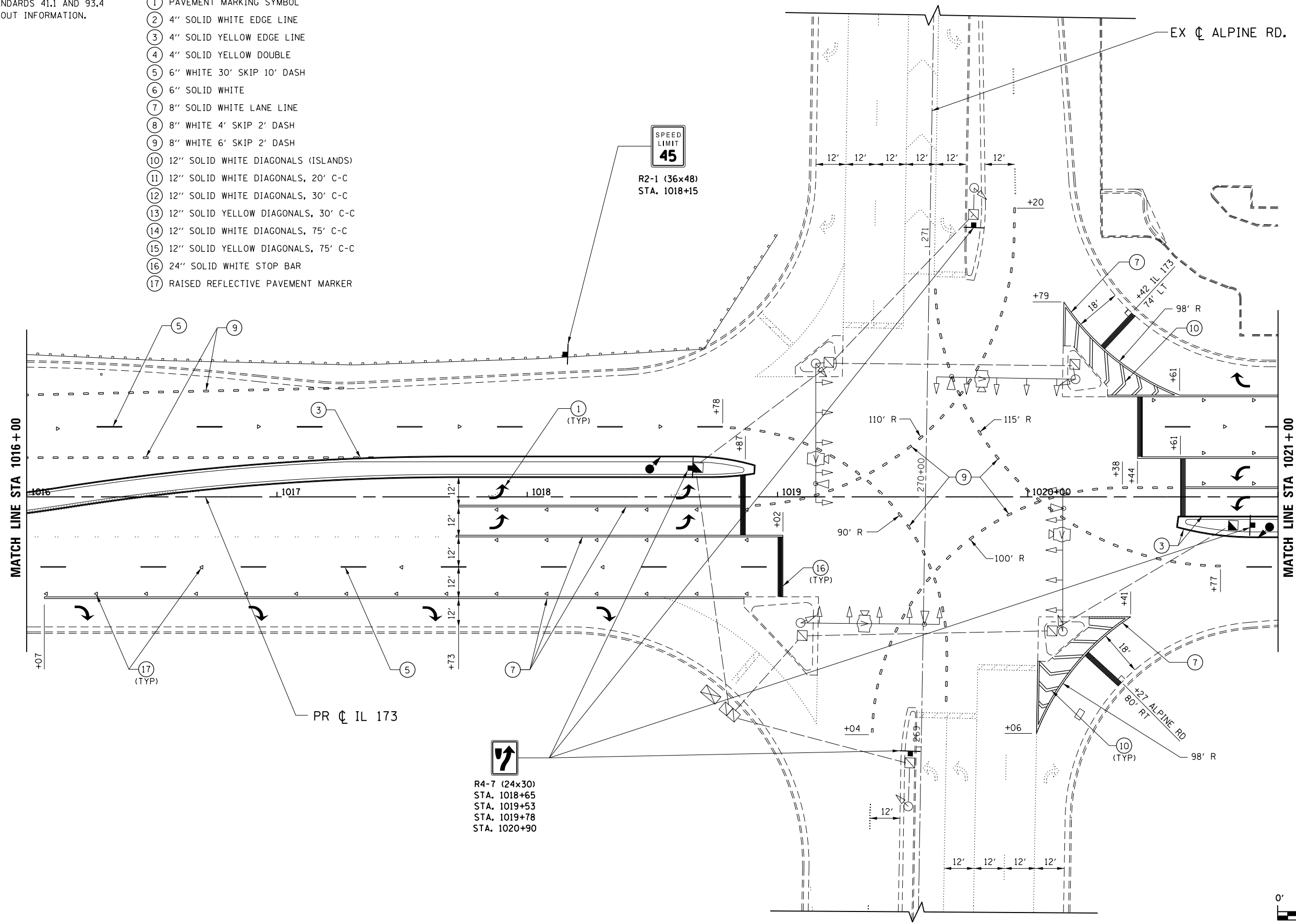


**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z08793PMLN-04\_IL173.dgn  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1016+00    TO    STA. 1021+00

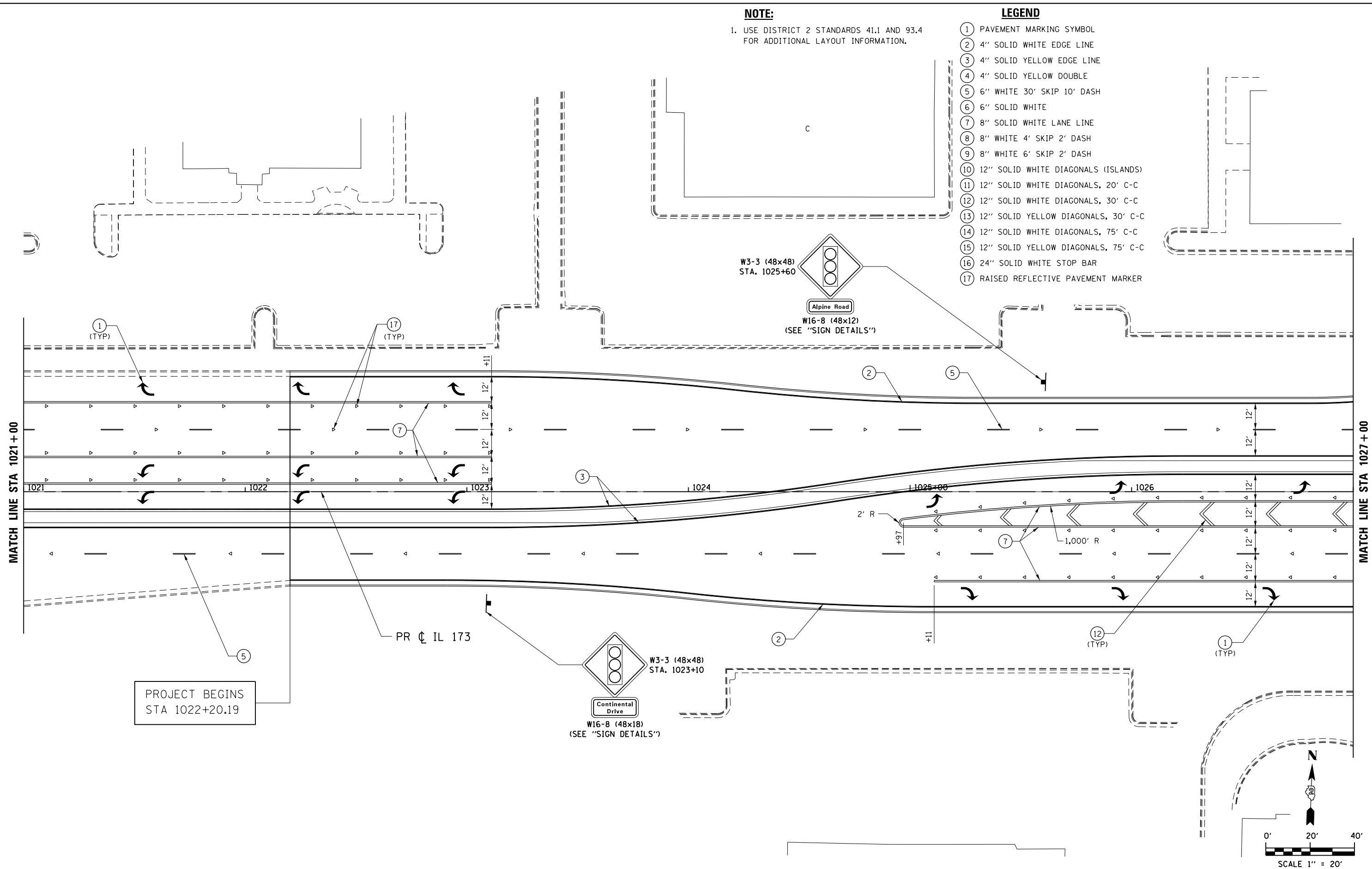
F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 601
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- 1 PAVEMENT MARKING SYMBOL
- 2 4" SOLID WHITE EDGE LINE
- 3 4" SOLID YELLOW EDGE LINE
- 4 4" SOLID YELLOW DOUBLE
- 5 6" WHITE 30' SKIP 10' DASH
- 6 6" SOLID WHITE
- 7 8" SOLID WHITE LANE LINE
- 8 8" WHITE 4' SKIP 2' DASH
- 9 8" WHITE 6' SKIP 2' DASH
- 10 12" SOLID WHITE DIAGONALS (ISLANDS)
- 11 12" SOLID WHITE DIAGONALS, 20' C-C
- 12 12" SOLID WHITE DIAGONALS, 30' C-C
- 13 12" SOLID YELLOW DIAGONALS, 30' C-C
- 14 12" SOLID WHITE DIAGONALS, 75' C-C
- 15 12" SOLID YELLOW DIAGONALS, 75' C-C
- 16 24" SOLID WHITE STOP BAR
- 17 RAISED REFLECTIVE PAVEMENT MARKER

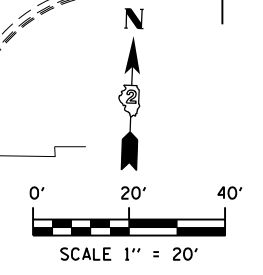


PROJECT BEGINS  
STA 1022+20.19

PR C IL 173

W3-3 (48x48)  
STA. 1023+10

W16-8 (48x18)  
(SEE "SIGN DETAILS")



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USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - TRF	REVISOR -	
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PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING & SIGNING PLAN**  
**IL 173**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1021+00 TO STA. 1027+00

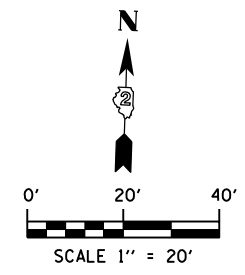
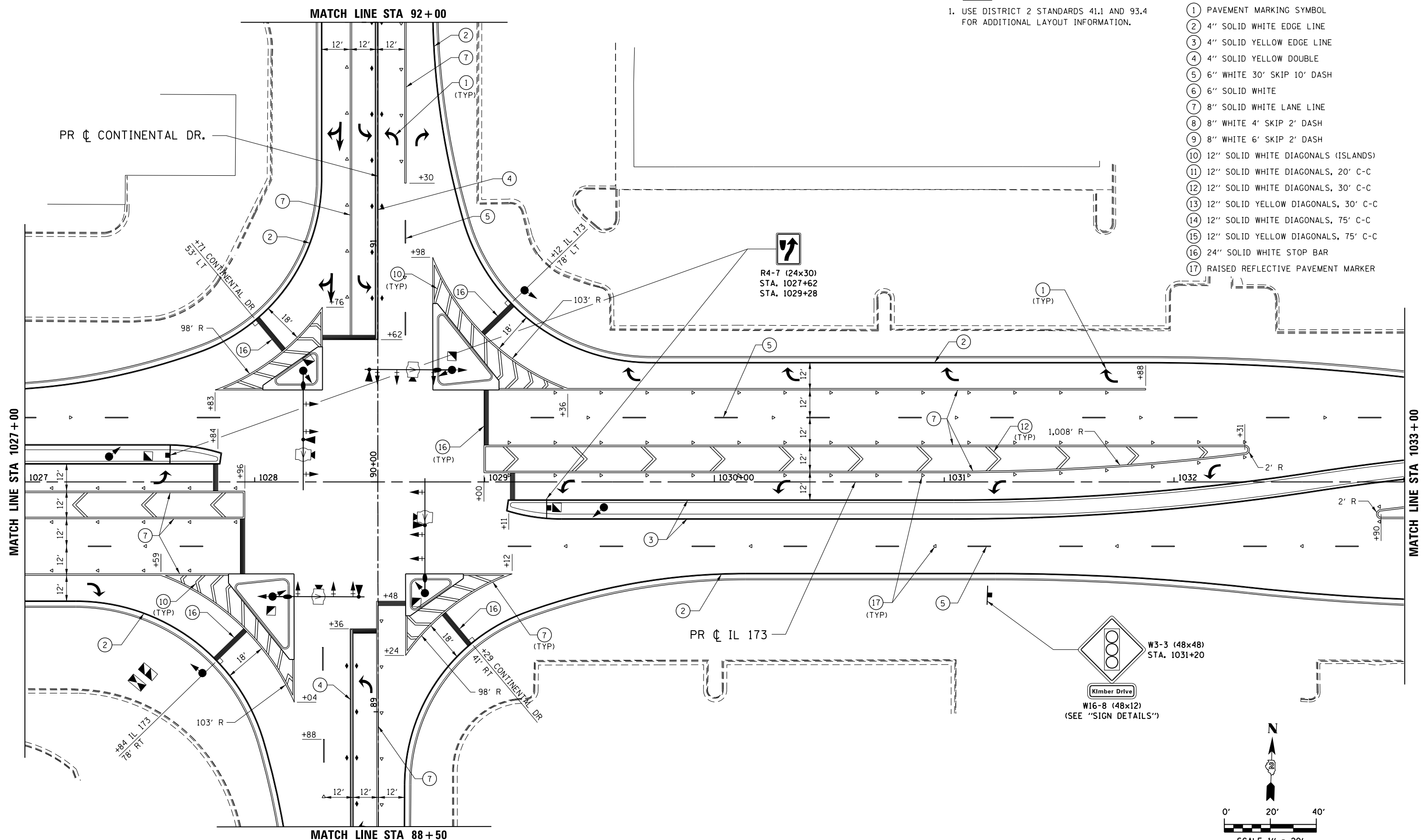
F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 602
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-06\_IL173.dgn  
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PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1027+00    TO    STA. 1033+00

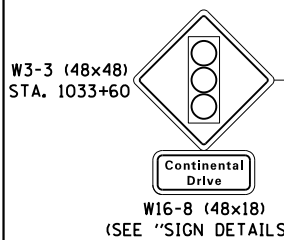
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	603
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER

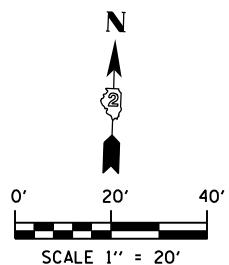
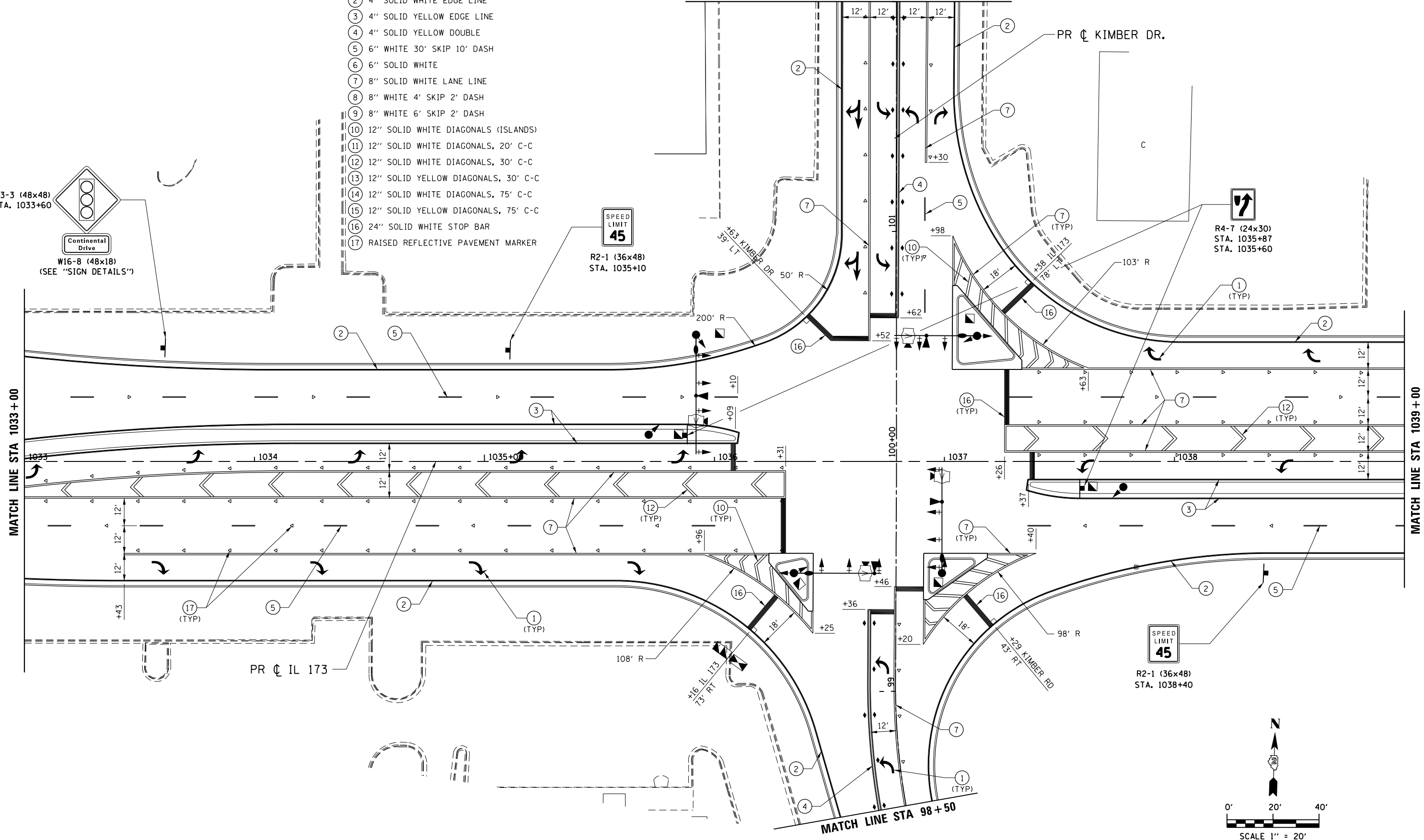


MATCH LINE STA 1033+00

MATCH LINE STA 1039+00

MATCH LINE STA 102+00

MATCH LINE STA 98+50



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	DRAWN - TRF	REVISED -
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PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN  
 IL 173

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1033+00 TO STA. 1039+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	604
CONTRACT NO. 64988				

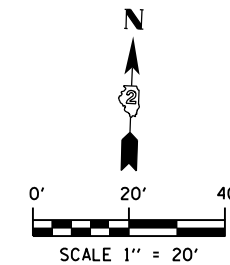
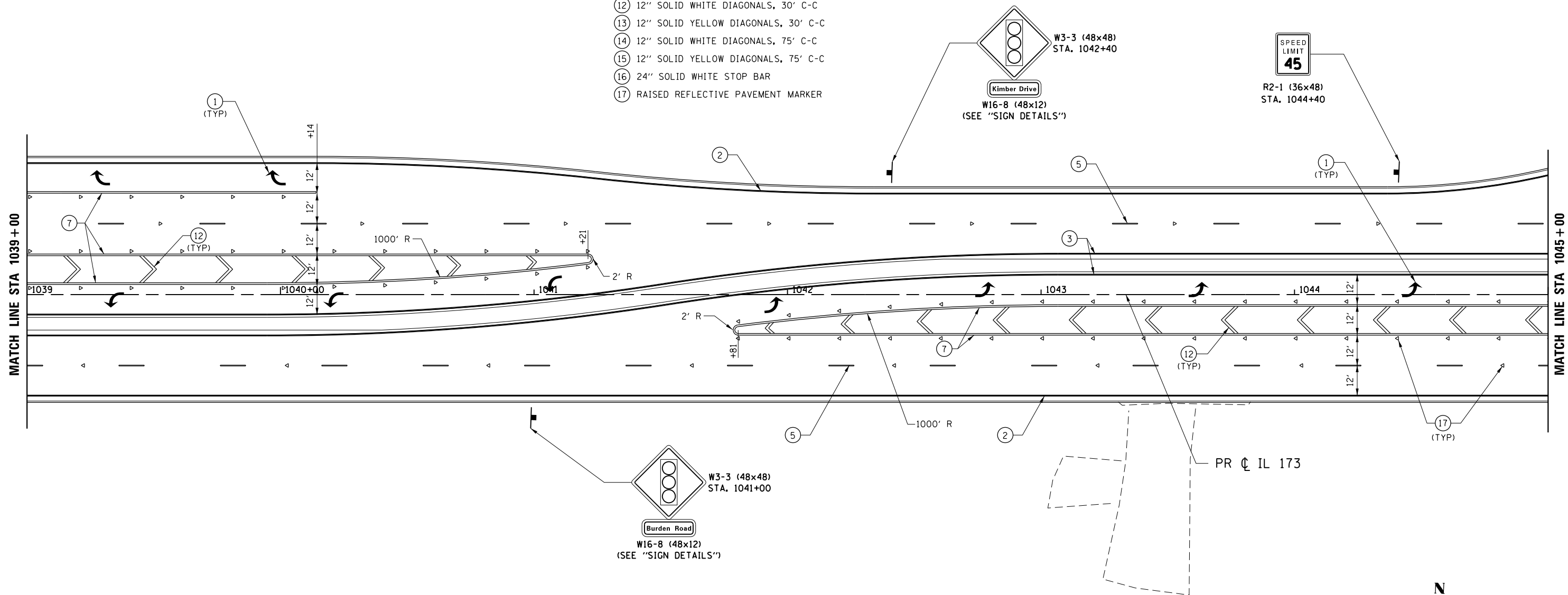
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



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USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN  
 IL 173

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1039+00 TO STA. 1045+00

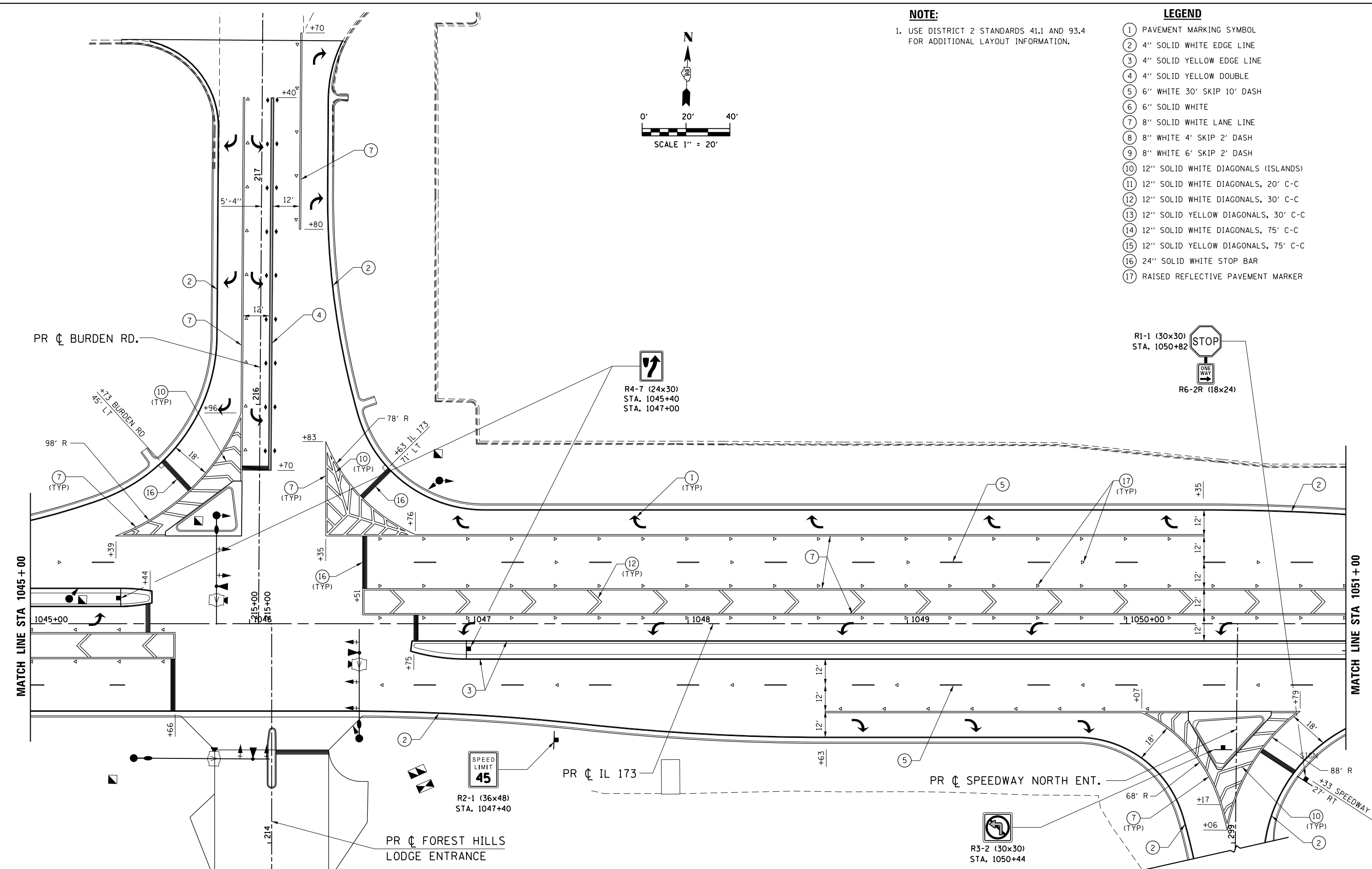
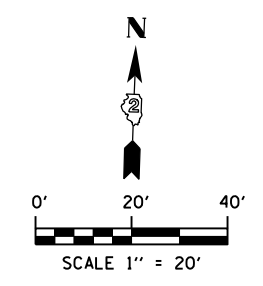
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	605
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-09\_IL173.dgn  
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PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

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

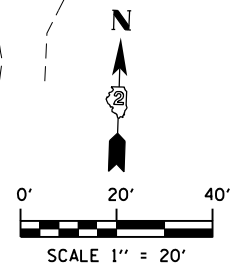
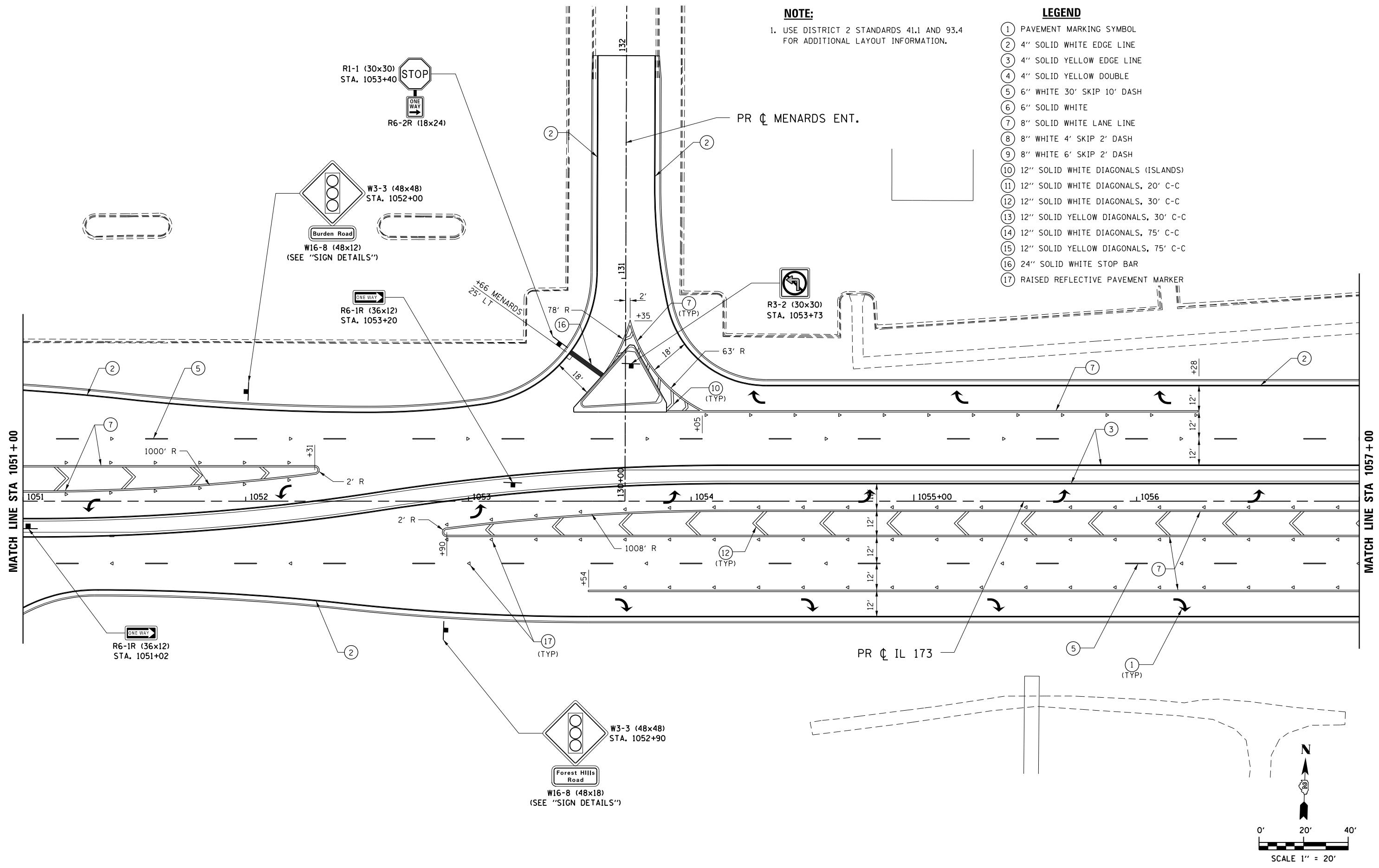
**PAVEMENT MARKING & SIGNING PLAN**  
**IL 173**

SCALE: 1" = 20"    SHEET NO.    OF    SHEETS    STA. 1045+00    TO    STA. 1051+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 606
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793RPMPLN-10-IL173.dgn  
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	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1051+00    TO    STA. 1057+00

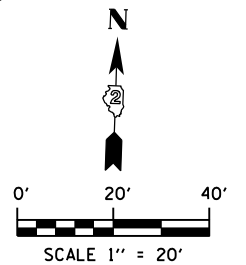
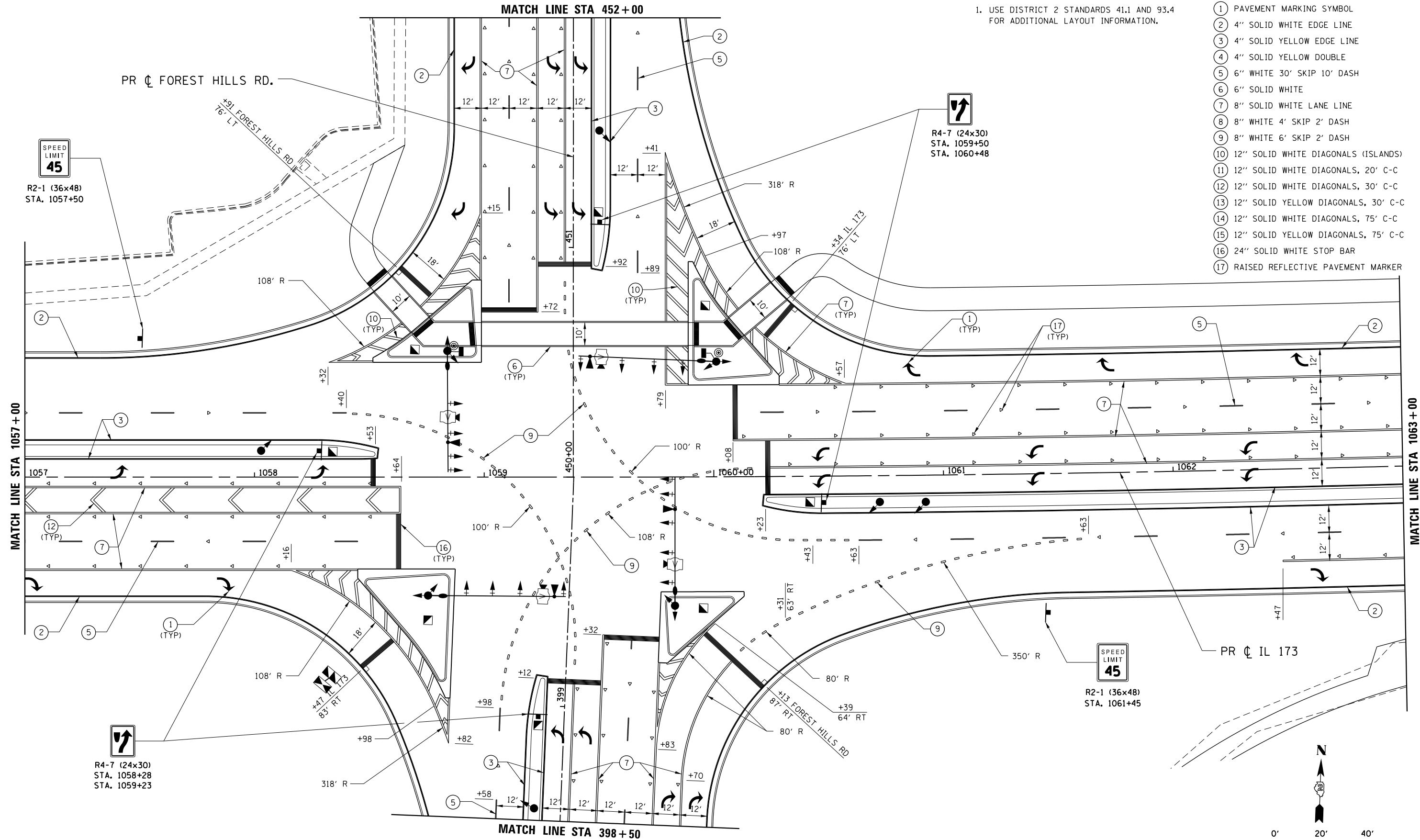
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	607
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-IL173.dgn  
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PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1057+00    TO    STA. 1063+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	608
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

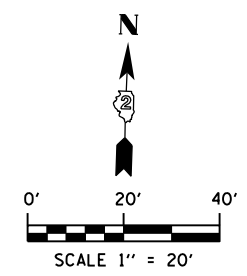
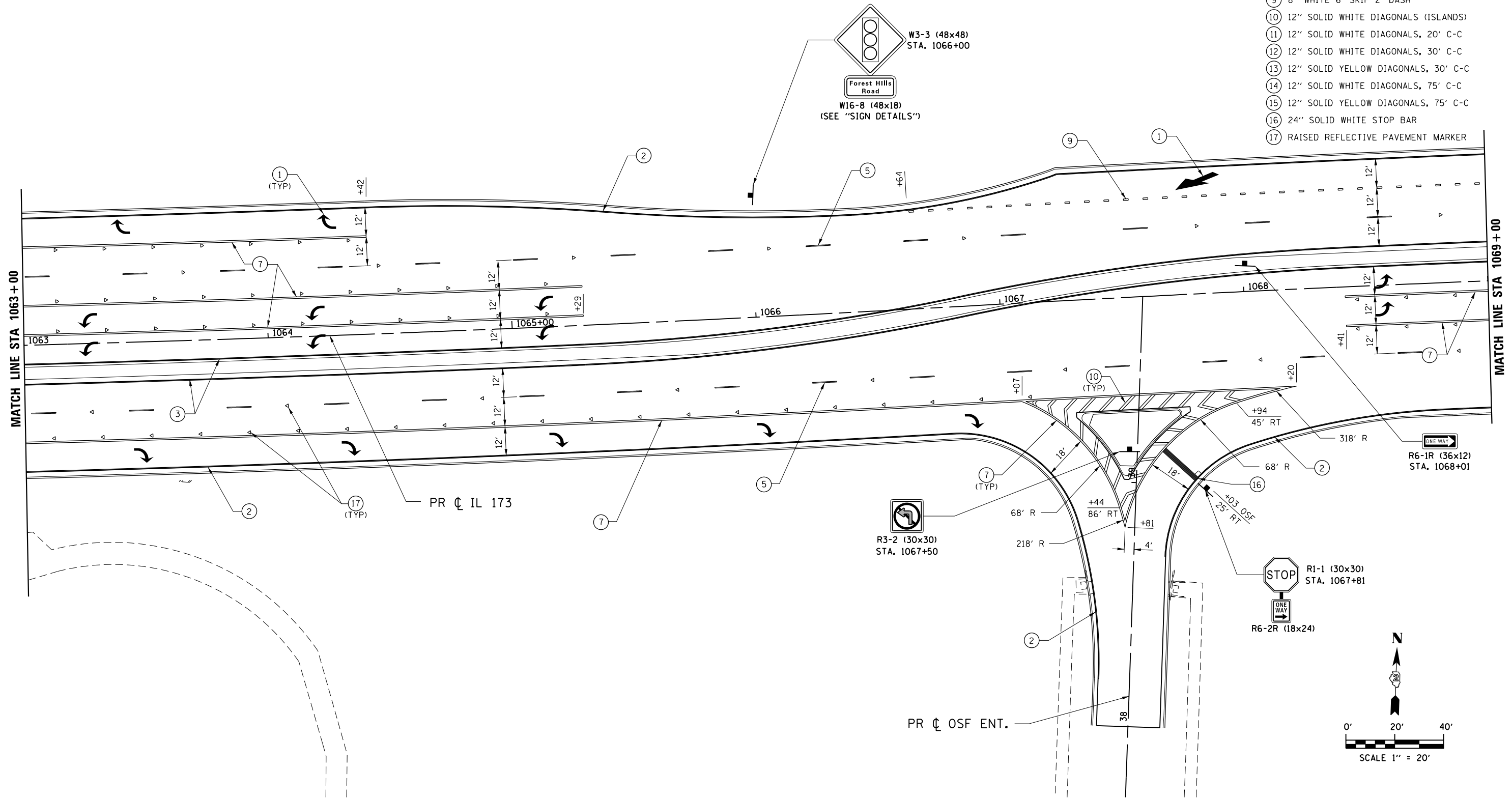


**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



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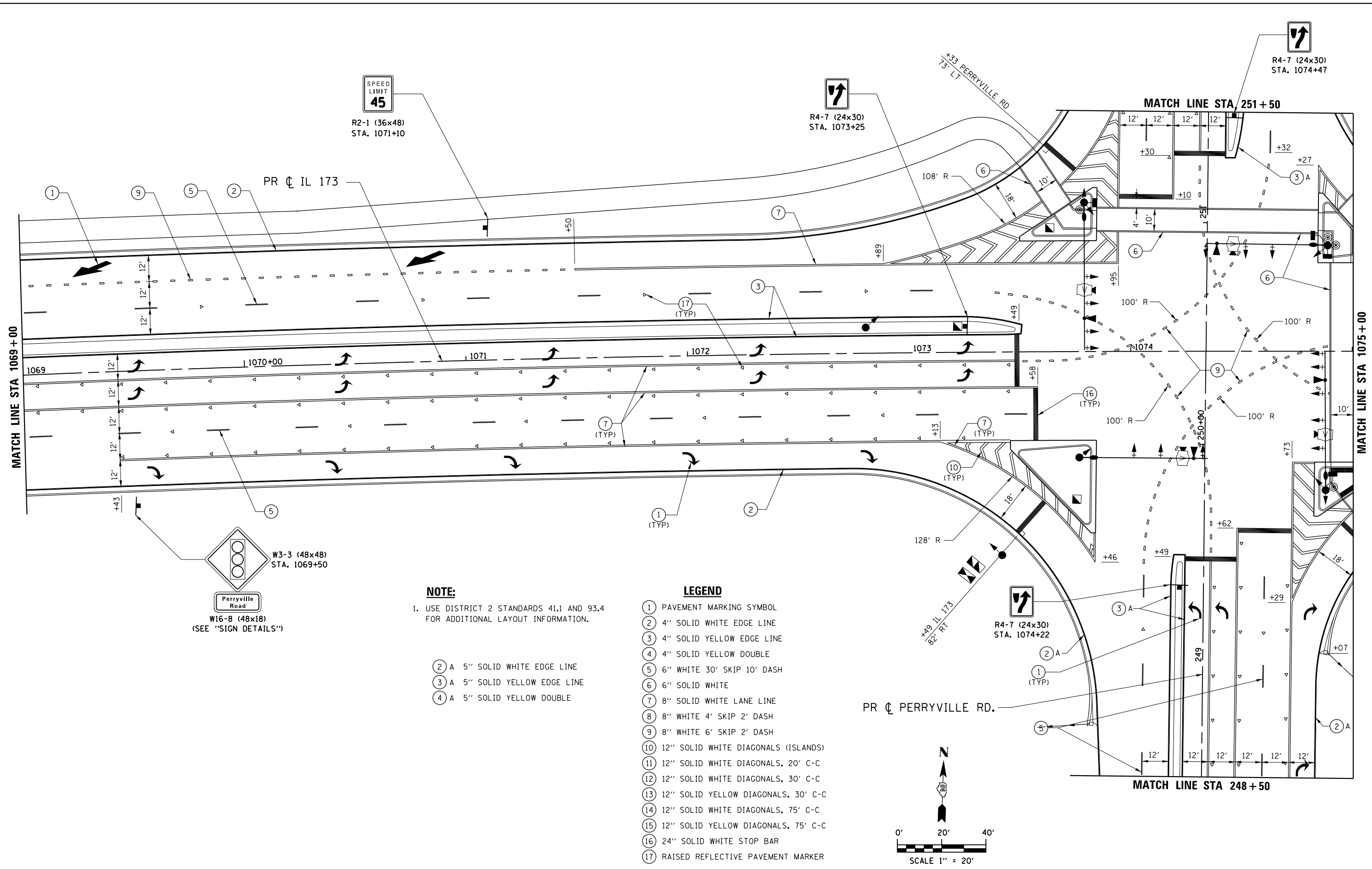
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PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
 IL 173**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1063+00 TO STA. 1069+00

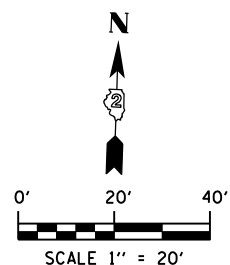
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	609
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				



**NOTE:**  
 1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- ② A 5" SOLID WHITE EDGE LINE
- ③ A 5" SOLID YELLOW EDGE LINE
- ④ A 5" SOLID YELLOW DOUBLE

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-13-IL173.dgn  
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	DRAWN - TRF	REVISED -
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PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

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

**PAVEMENT MARKING & SIGNING PLAN**  
**IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1069+00    TO    STA. 1075+00

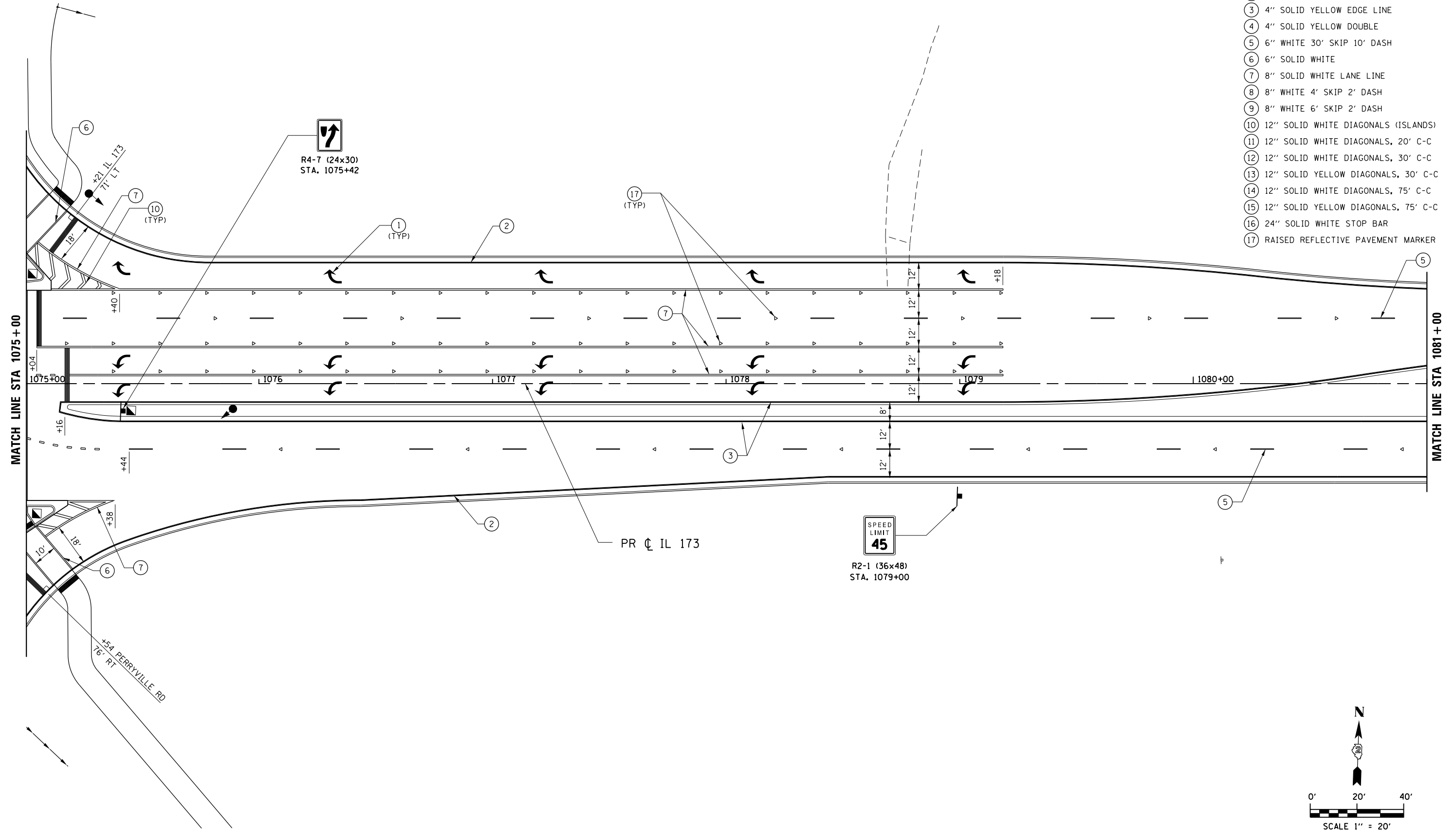
F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 610
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 (ILLINOIS) FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-14-IL173.dgn  
 MODEL = Default  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
 IL 173**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1075+00 TO STA. 1081+00

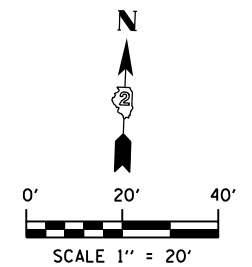
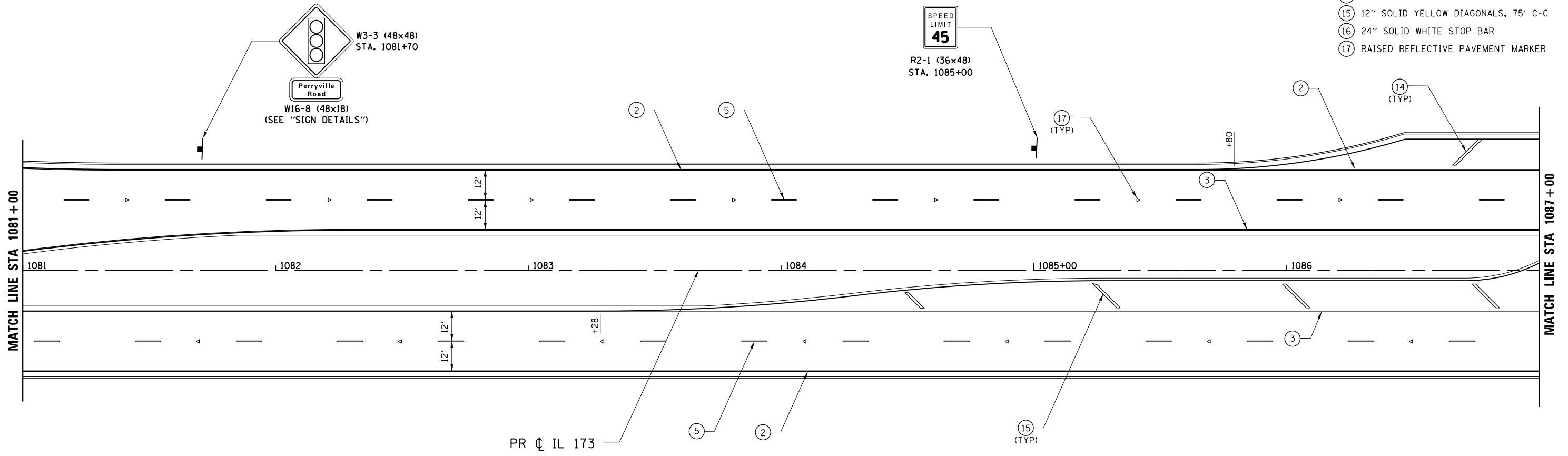
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	611
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-15-IL173.dgn  
MODEL = Default  
PLOT DRIVER = V8...IDOT\_PDF...1x17.plt



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

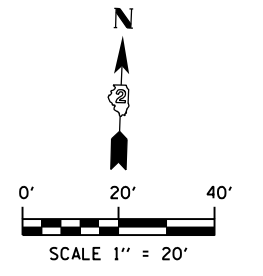
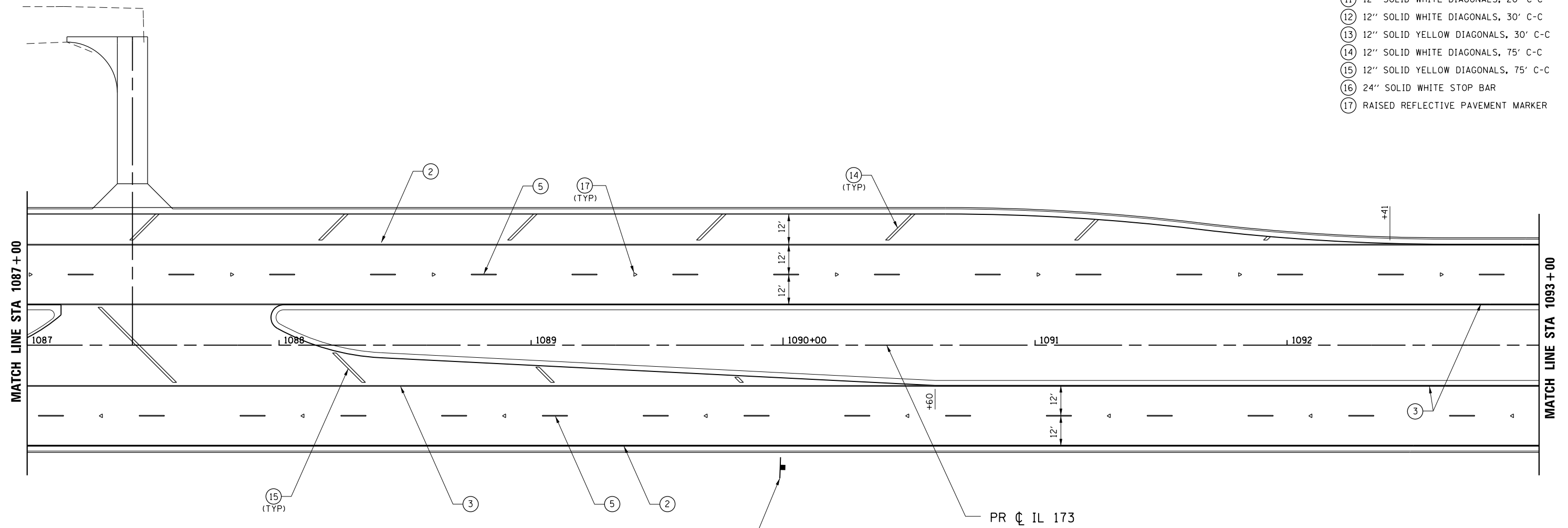
PAVEMENT MARKING & SIGNING PLAN  
IL 173

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1081+00 TO STA. 1087+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	612
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMP\N-16-IL173.dgn  
MODEL = Default  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - TRF	REVISOR -	
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1087+00 TO STA. 1093+00

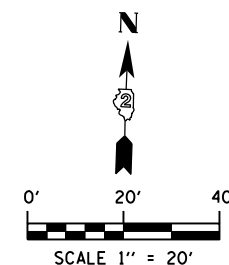
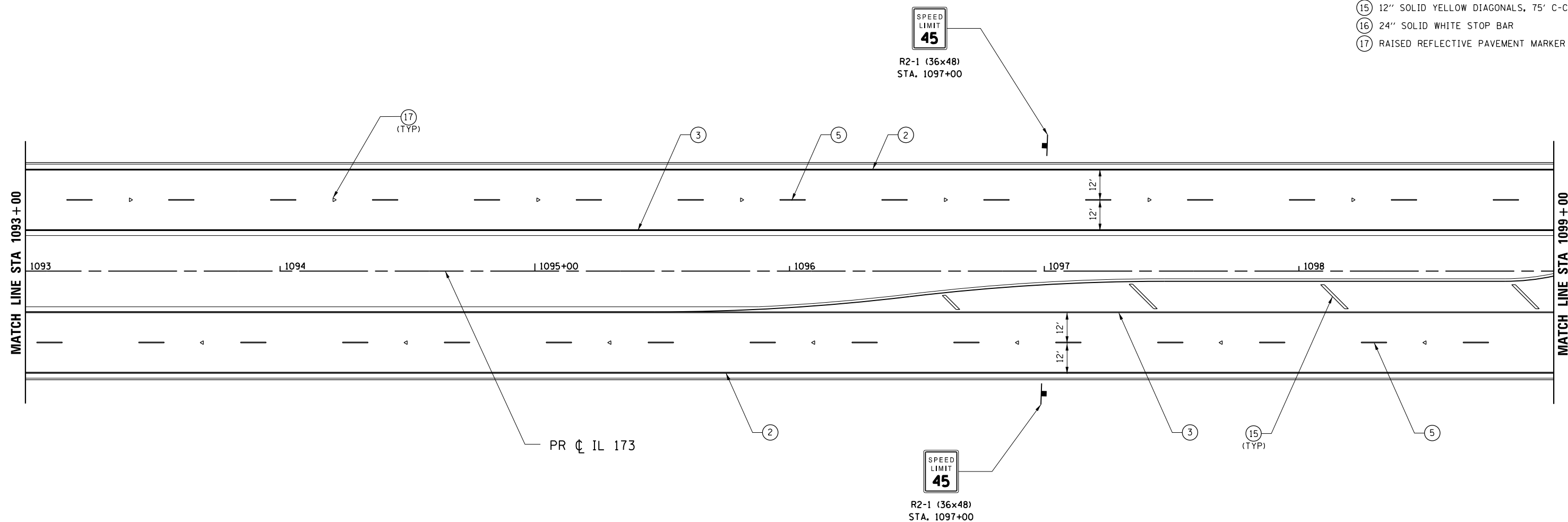
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	613
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793RMP\N-17-IL173.dgn  
 MODEL = Default  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

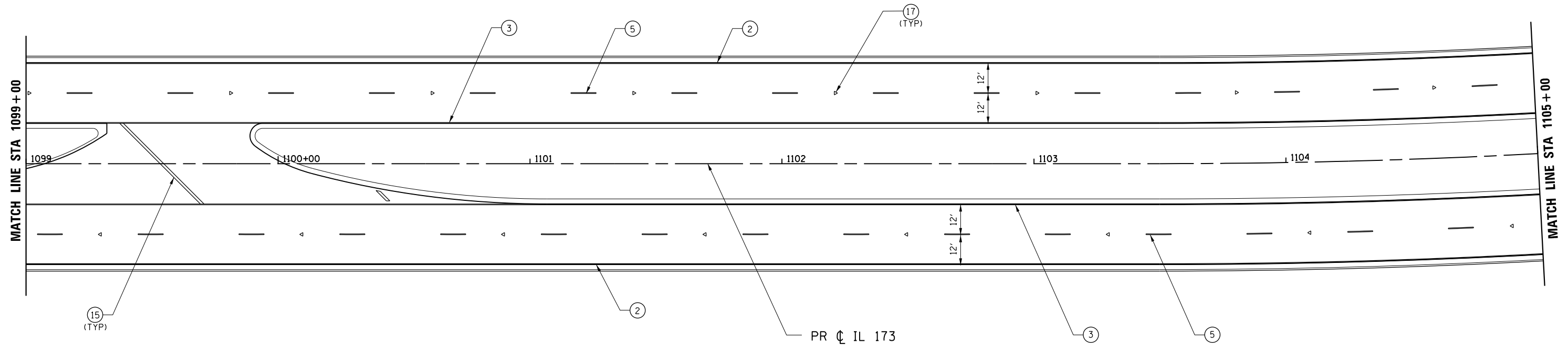
**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1093+00 TO STA. 1099+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	614
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**  
 1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMP\N-18-IL173.dgn  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - TRF	REVISOR -	
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
 IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1099+00    TO STA. 1105+00

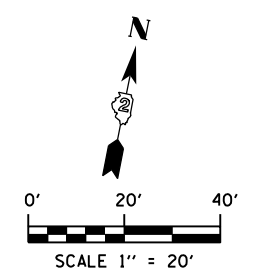
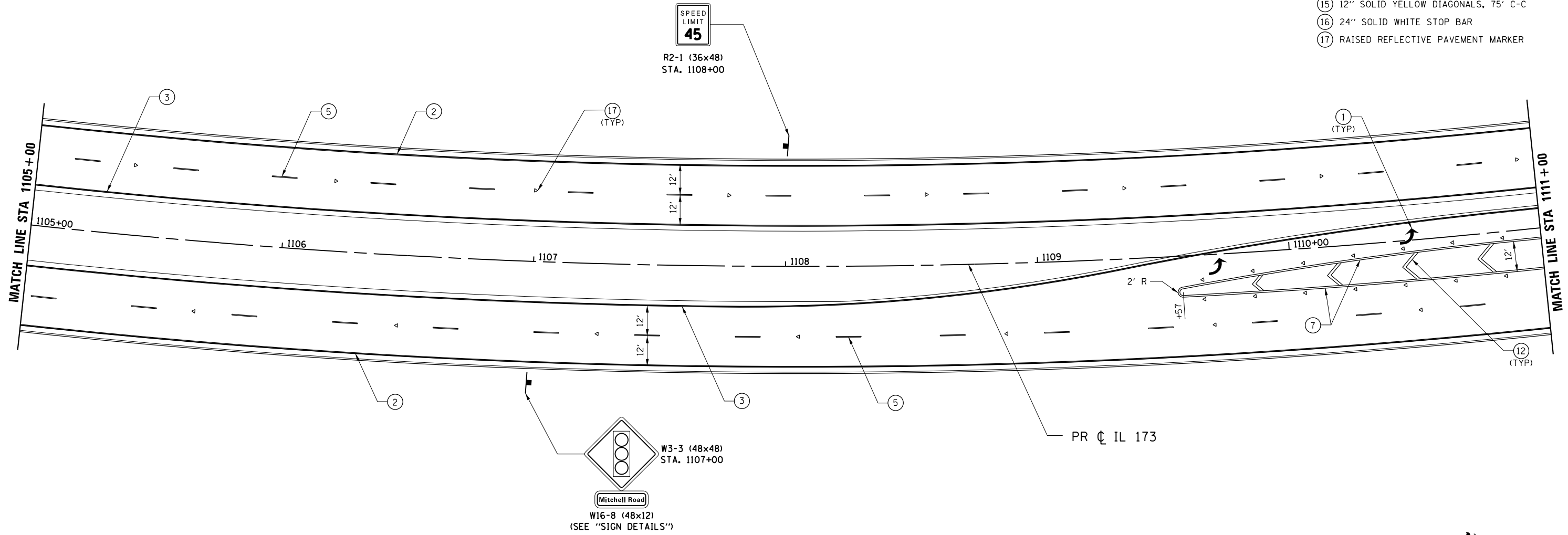
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	615
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2   ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- 1 PAVEMENT MARKING SYMBOL
- 2 4" SOLID WHITE EDGE LINE
- 3 4" SOLID YELLOW EDGE LINE
- 4 4" SOLID YELLOW DOUBLE
- 5 6" WHITE 30' SKIP 10' DASH
- 6 6" SOLID WHITE
- 7 8" SOLID WHITE LANE LINE
- 8 8" WHITE 4' SKIP 2' DASH
- 9 8" WHITE 6' SKIP 2' DASH
- 10 12" SOLID WHITE DIAGONALS (ISLANDS)
- 11 12" SOLID WHITE DIAGONALS, 20' C-C
- 12 12" SOLID WHITE DIAGONALS, 30' C-C
- 13 12" SOLID YELLOW DIAGONALS, 30' C-C
- 14 12" SOLID WHITE DIAGONALS, 75' C-C
- 15 12" SOLID YELLOW DIAGONALS, 75' C-C
- 16 24" SOLID WHITE STOP BAR
- 17 RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007938MPLN-19-IL173.dgn  
 MODEL = Default  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING & SIGNING PLAN**  
**IL 173**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1105+00 TO STA. 1111+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	616
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

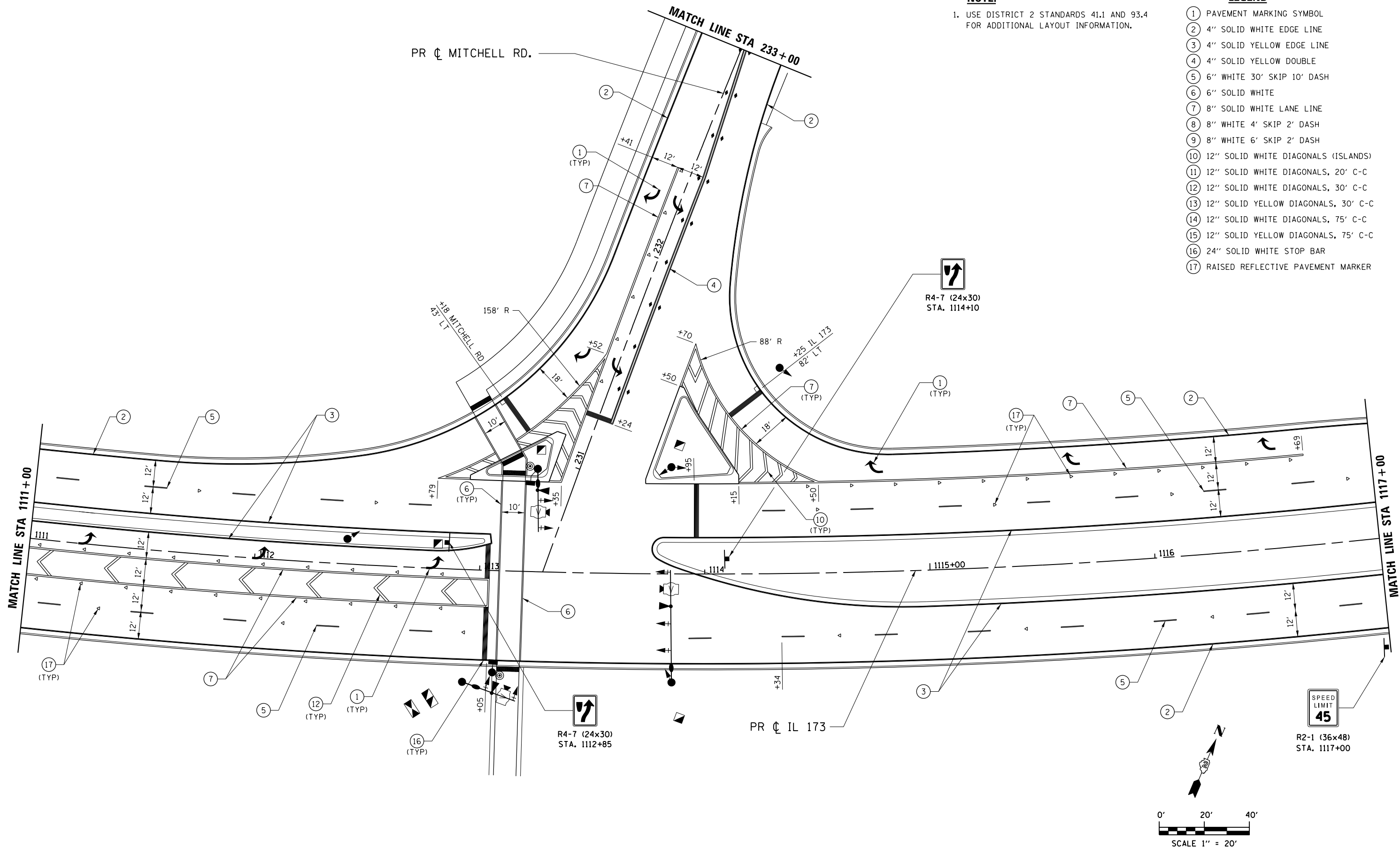


**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



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 MODEL = Default  
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PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
 IL 173**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 1111+00 TO STA. 1117+00

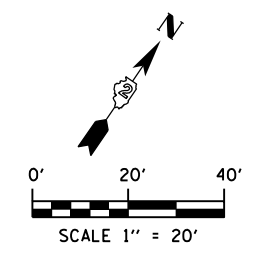
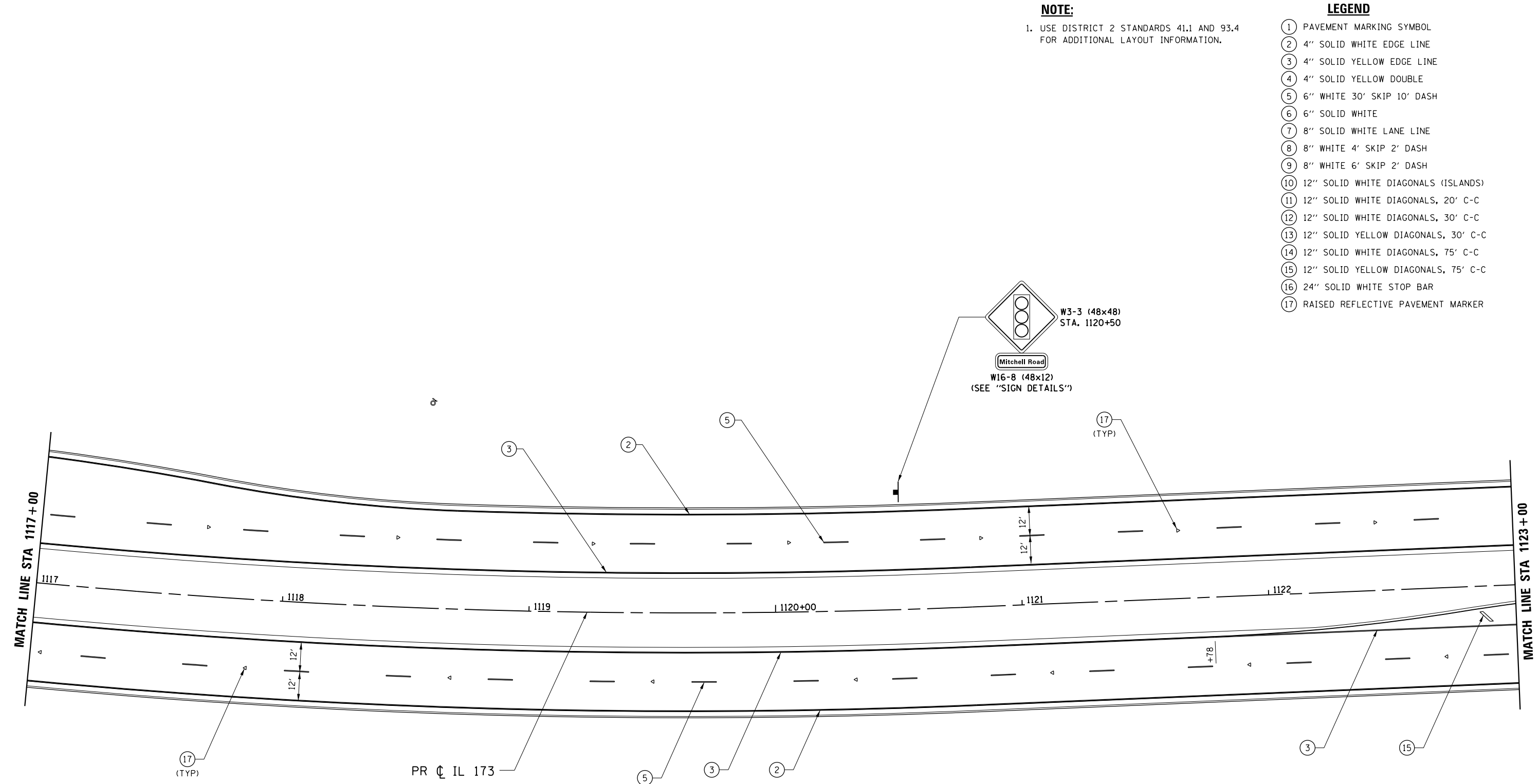
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	617
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-21-IL173.dgn  
 MODEL = Default  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

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

PAVEMENT MARKING & SIGNING PLAN			
IL 173			
SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 1117+00 TO STA. 1123+00	

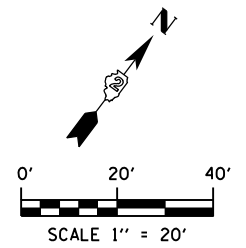
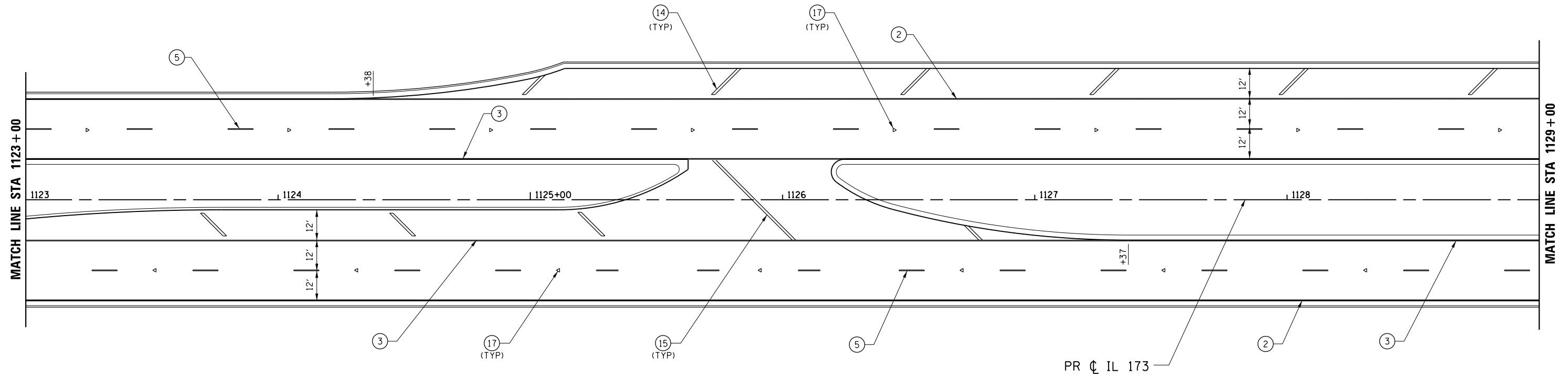
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	618
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007938MPLN-22-IL173.dgn  
 MODEL = Default  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1123+00    TO STA. 1129+00

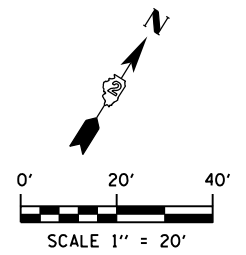
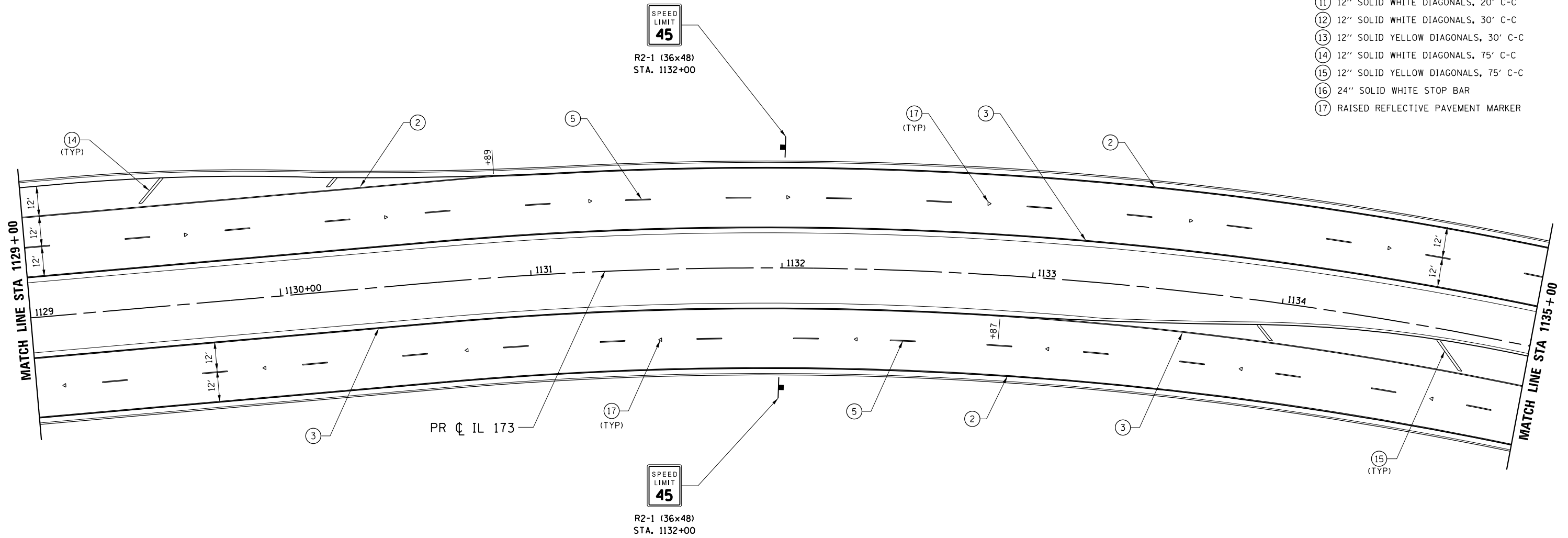
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	619
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-23\_IL173.dgn  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

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

**PAVEMENT MARKING & SIGNING PLAN**  
**IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1129+00    TO STA. 1135+00

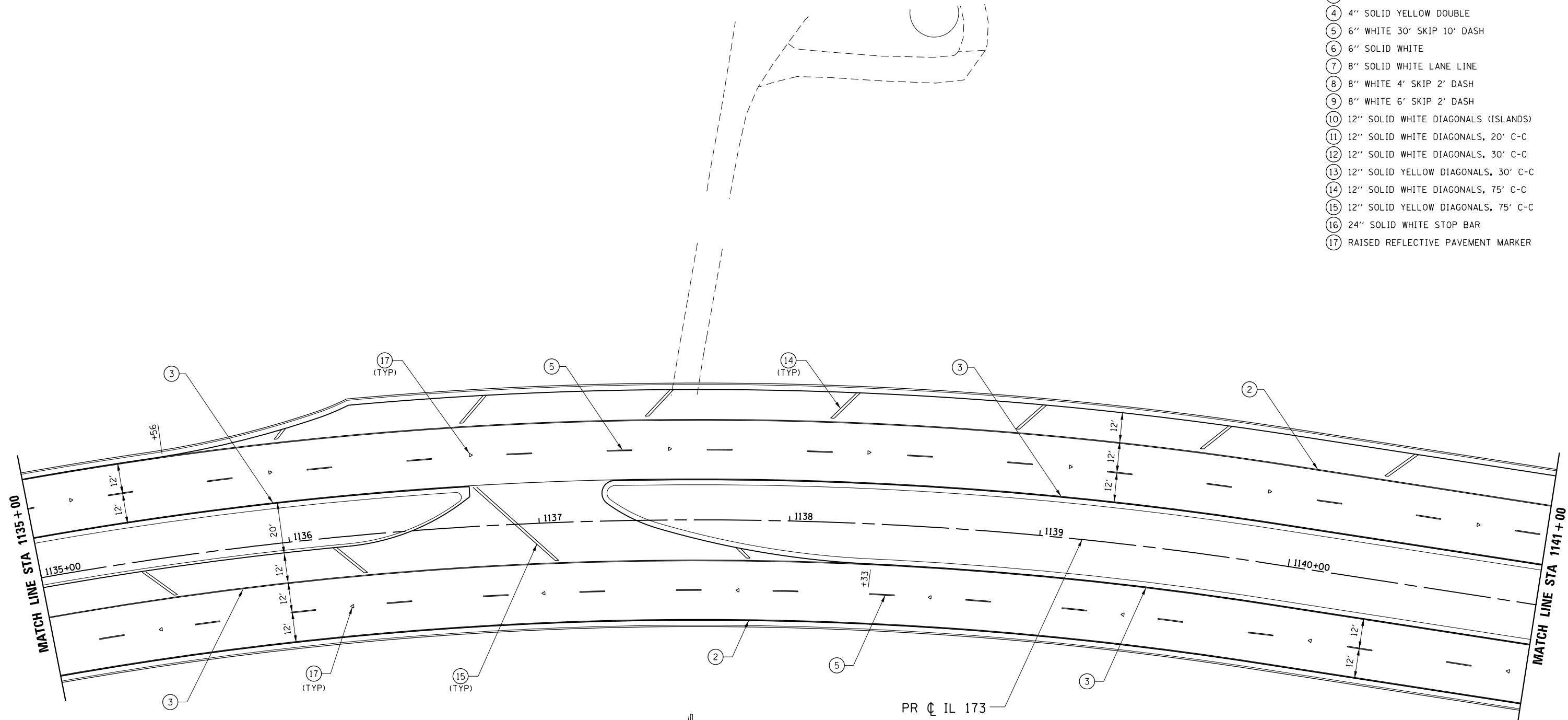
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	620
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793RMP\N-24\_IL173.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT\_PDF...11x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1135+00    TO STA. 1141+00

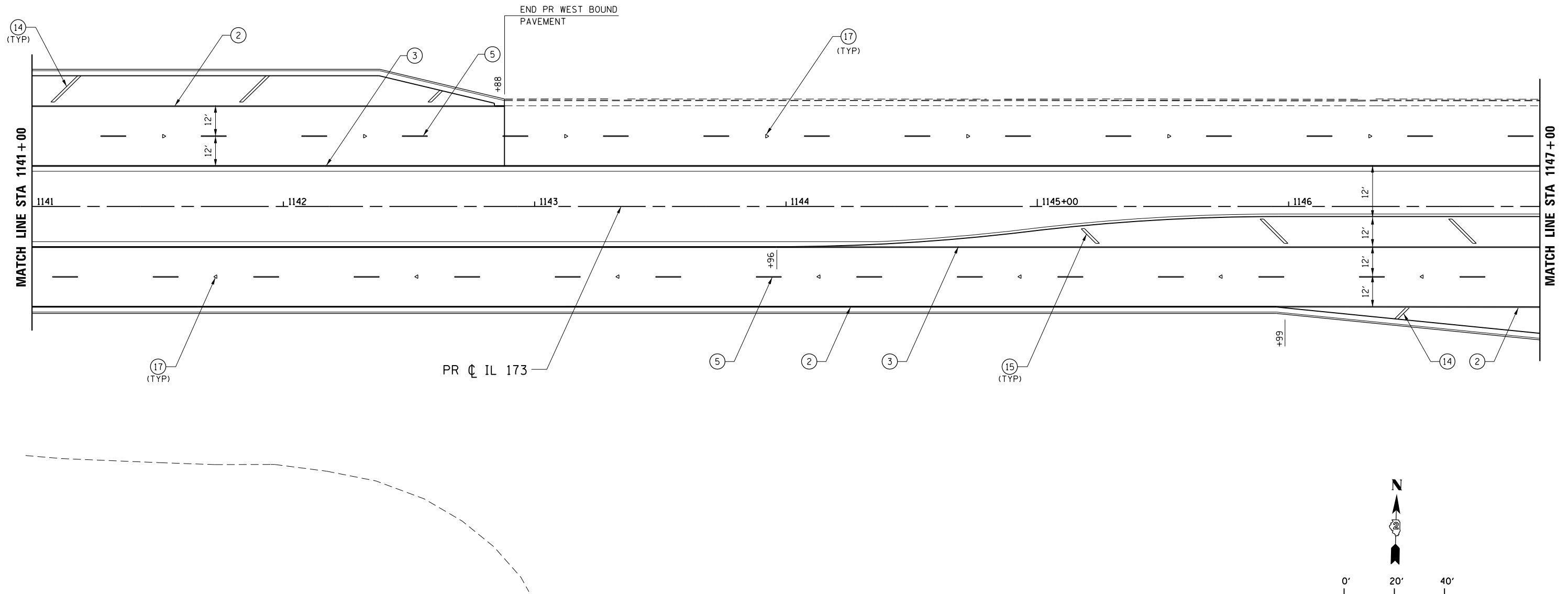
F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 621
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z08793RMP\N-25-IL173.dgn  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

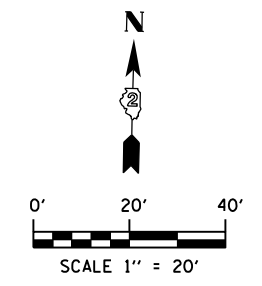
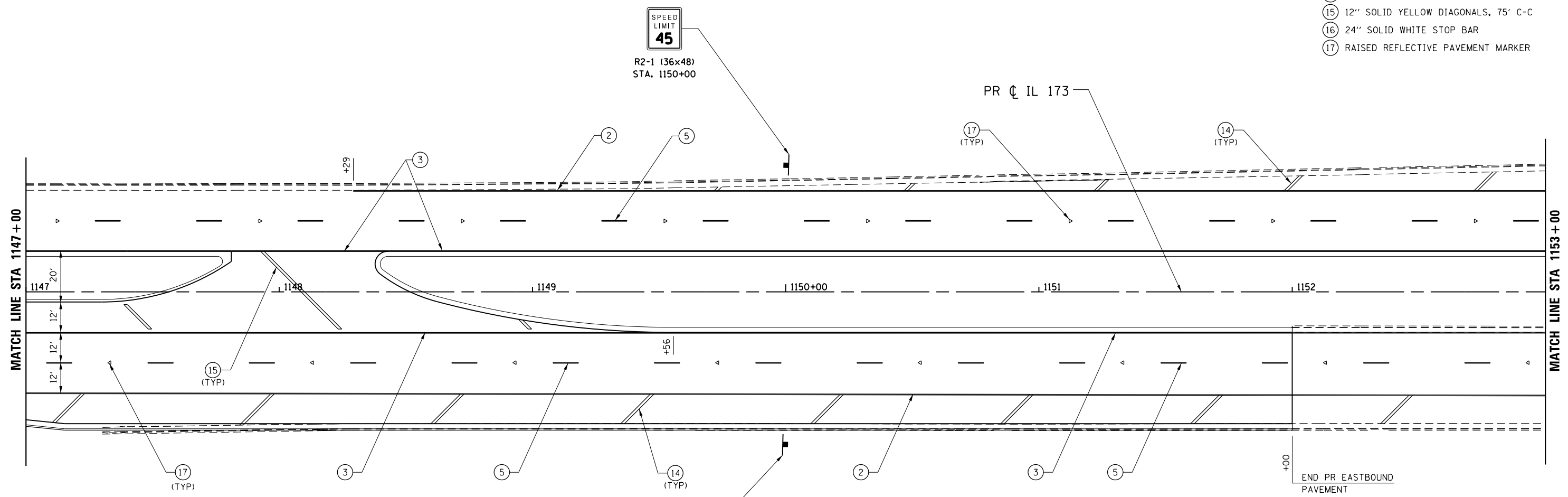
**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1141+00    TO STA. 1147+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	622
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-26-IL173.dgn  
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USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

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

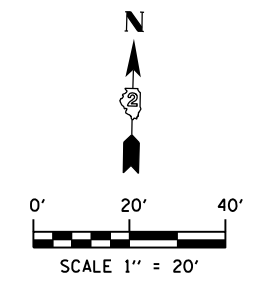
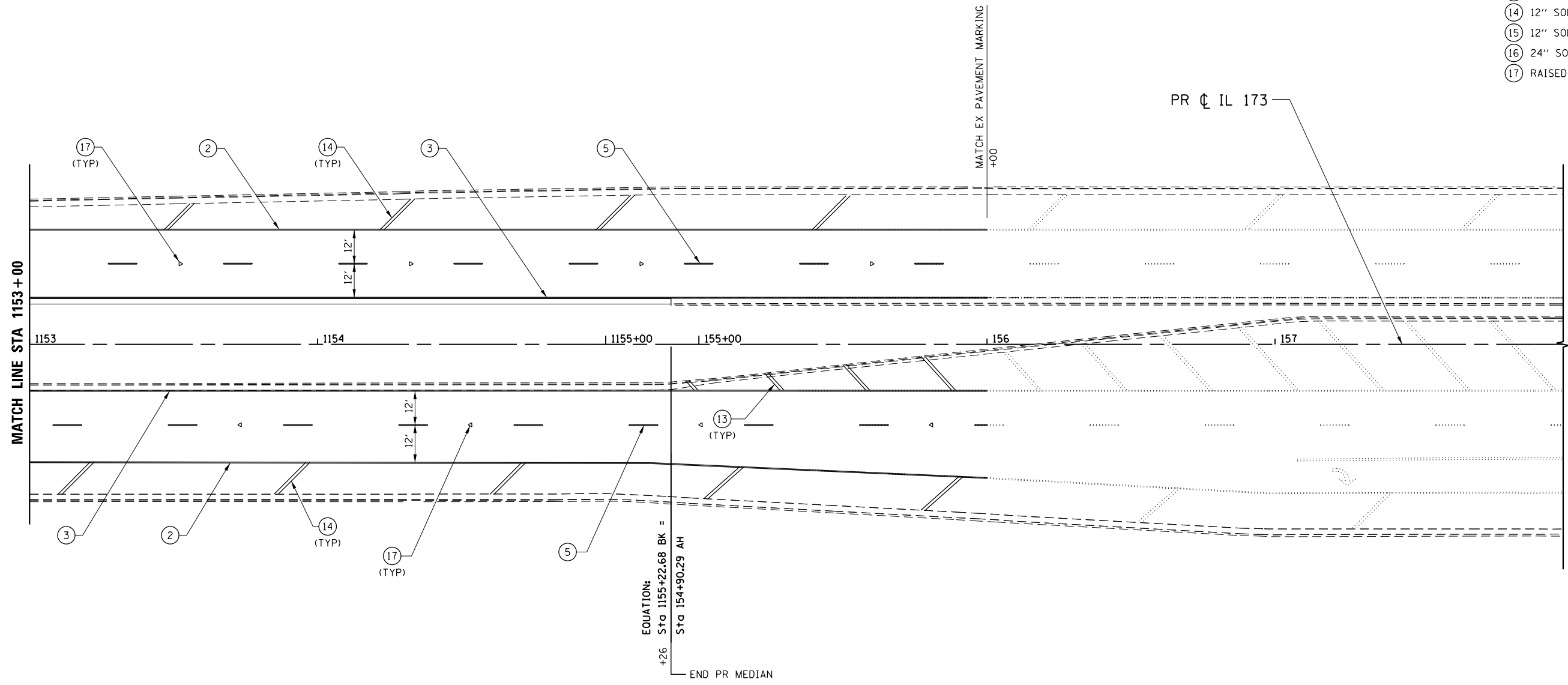
**PAVEMENT MARKING & SIGNING PLAN**  
**IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1147+00    TO STA. 1153+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	623
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-27\_IL173.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT\_PDF...11x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
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PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

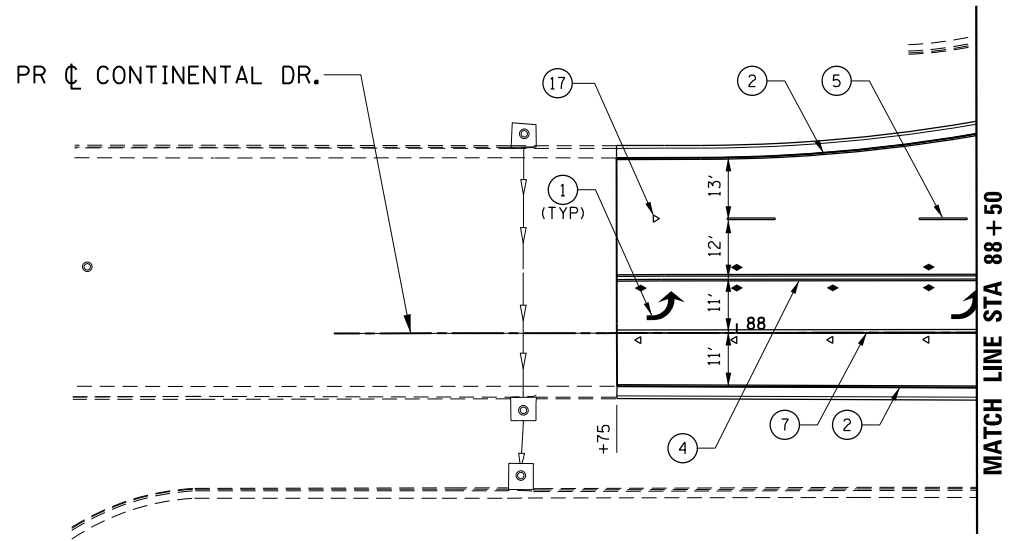
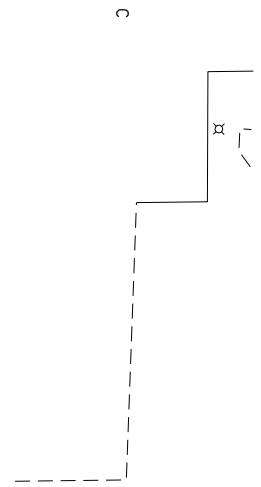
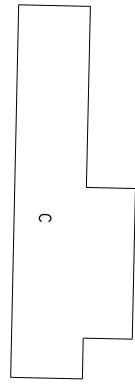
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
IL 173**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 1153+00    TO STA. 158+00

F.A.P. RTE. = 303	SECTION = 129R	COUNTY = WINNEBAGO	TOTAL SHEETS = 968	SHEET NO. = 624
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

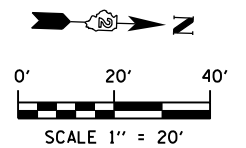
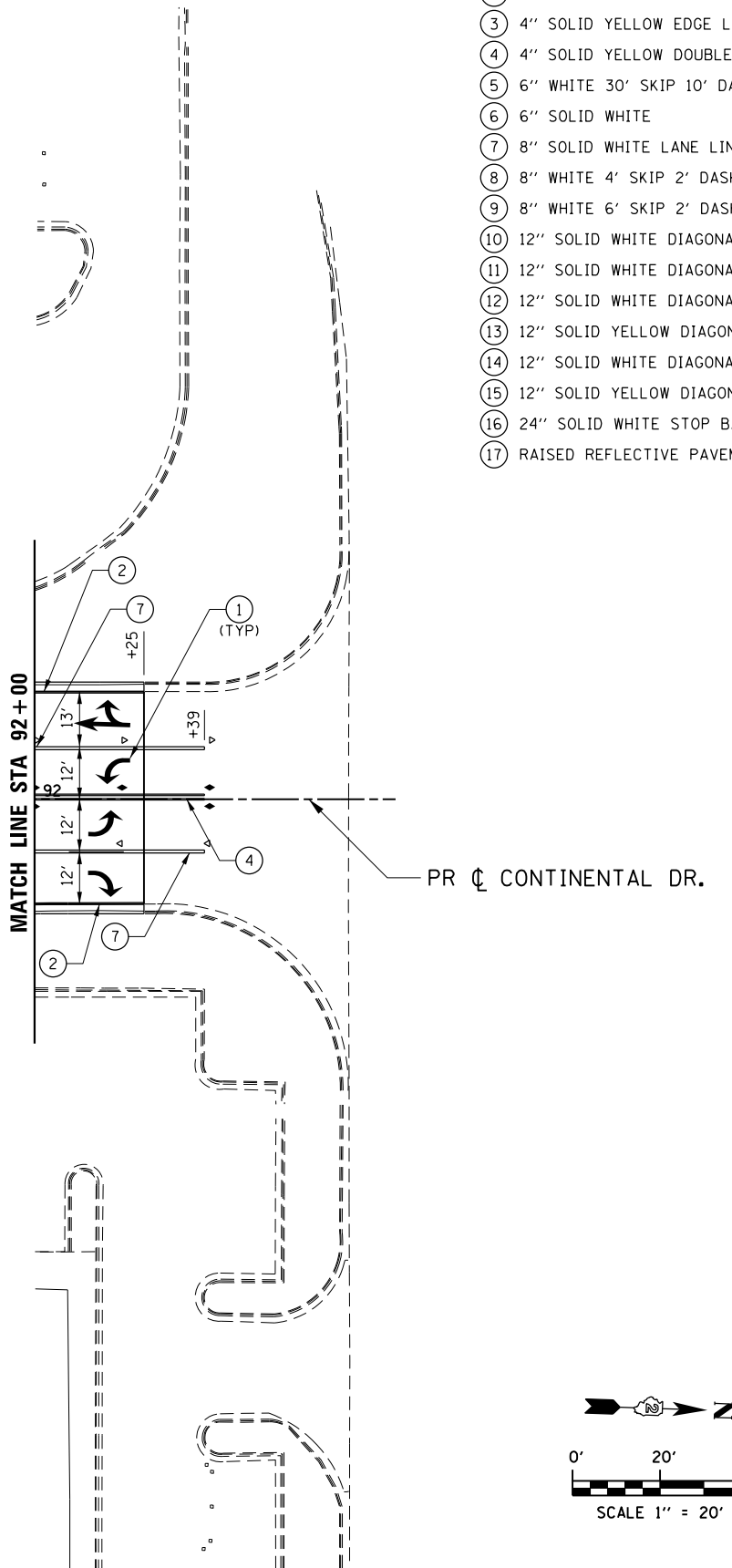




**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z08793RMP\PLN-28\_Continental.dgn  
MODEL = Defaul.t  
PLOT DRIVER = V8...IDOT...PDF...1x17.pltcfgr



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
CONTINENTAL DR**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 87+25 TO STA. 92+39

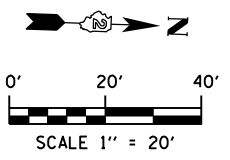
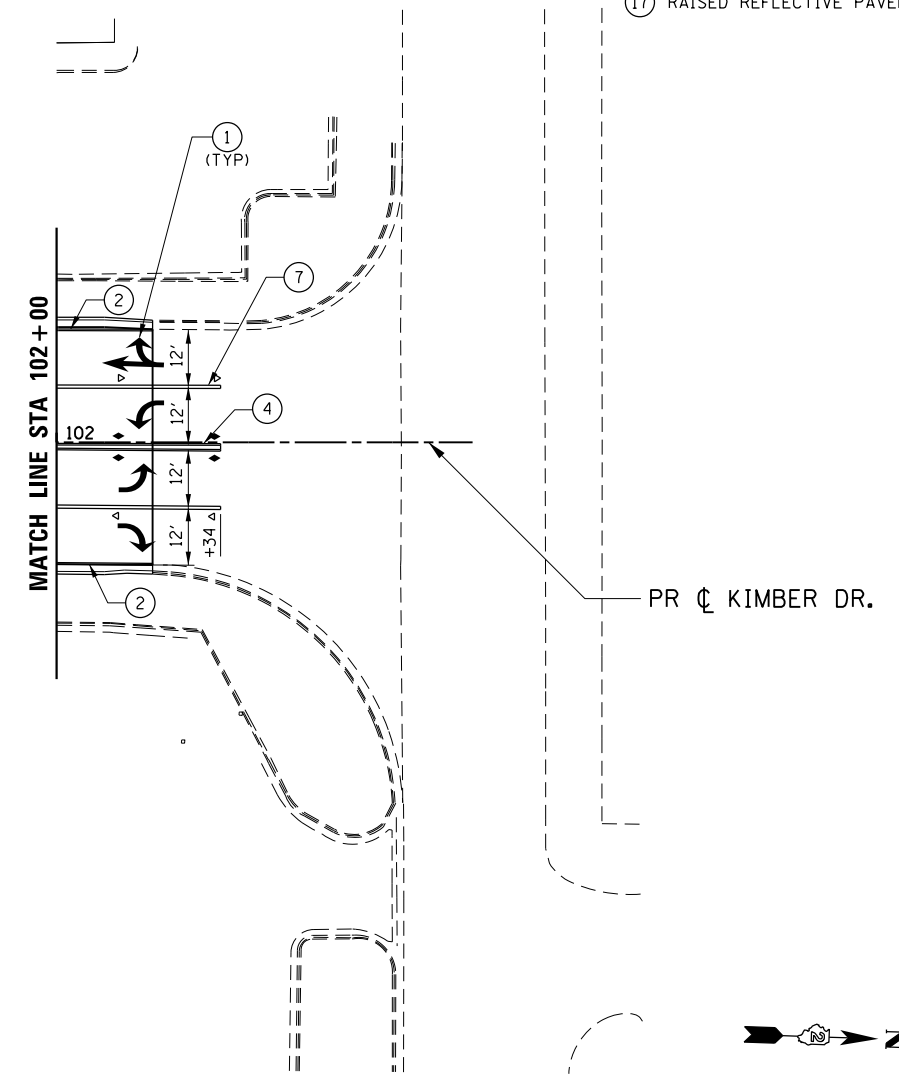
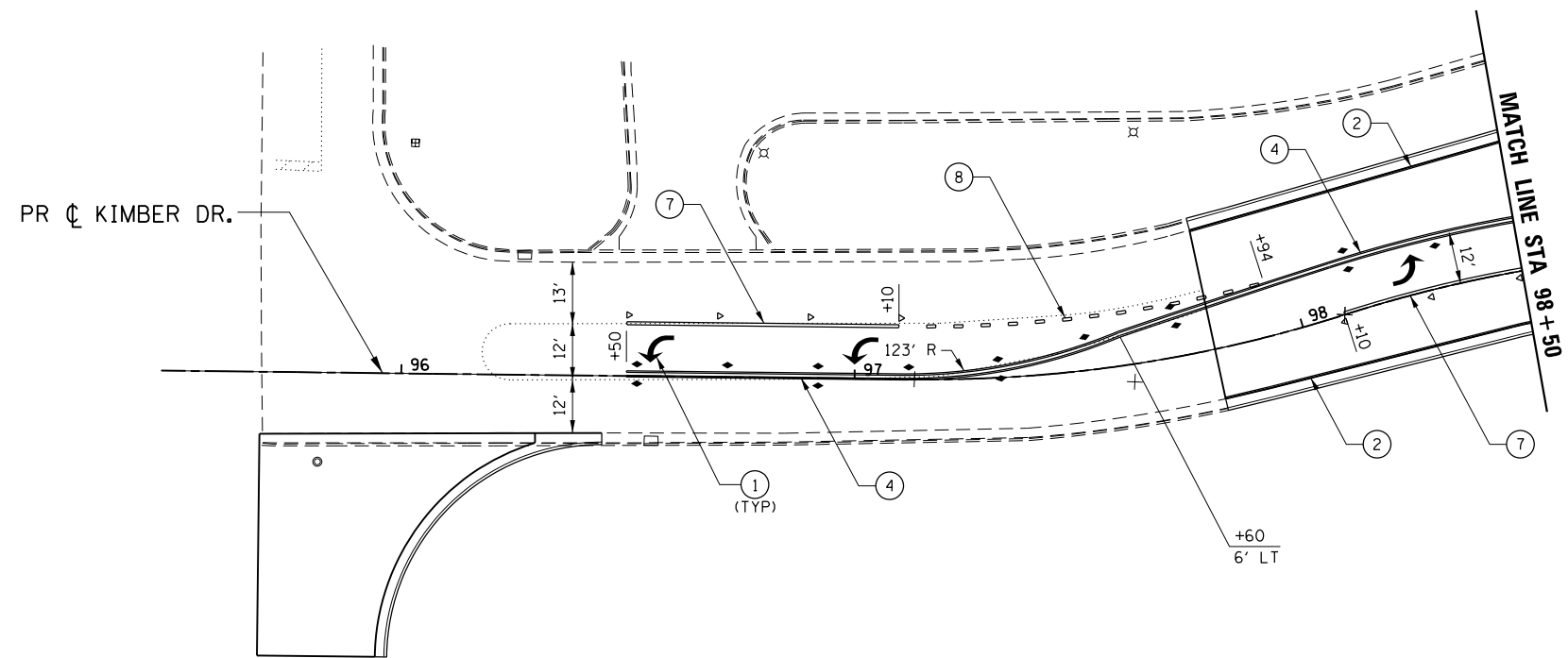
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	625
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- 1 PAVEMENT MARKING SYMBOL
- 2 4" SOLID WHITE EDGE LINE
- 3 4" SOLID YELLOW EDGE LINE
- 4 4" SOLID YELLOW DOUBLE
- 5 6" WHITE 30' SKIP 10' DASH
- 6 6" SOLID WHITE
- 7 8" SOLID WHITE LANE LINE
- 8 8" WHITE 4' SKIP 2' DASH
- 9 8" WHITE 6' SKIP 2' DASH
- 10 12" SOLID WHITE DIAGONALS (ISLANDS)
- 11 12" SOLID WHITE DIAGONALS, 20' C-C
- 12 12" SOLID WHITE DIAGONALS, 30' C-C
- 13 12" SOLID YELLOW DIAGONALS, 30' C-C
- 14 12" SOLID WHITE DIAGONALS, 75' C-C
- 15 12" SOLID YELLOW DIAGONALS, 75' C-C
- 16 24" SOLID WHITE STOP BAR
- 17 RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-29-Kimber.dgn  
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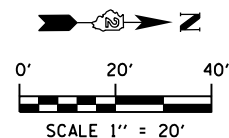
USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - TRF	CHECKED - CMS	REVISED -
PLOT SCALE = 480.0000' / ft.	DATE - APRIL 30, 2013	REVISED -
PLOT DATE = 5/3/2013		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
 KIMBER DR**

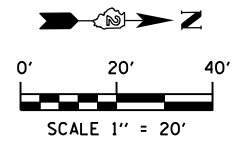
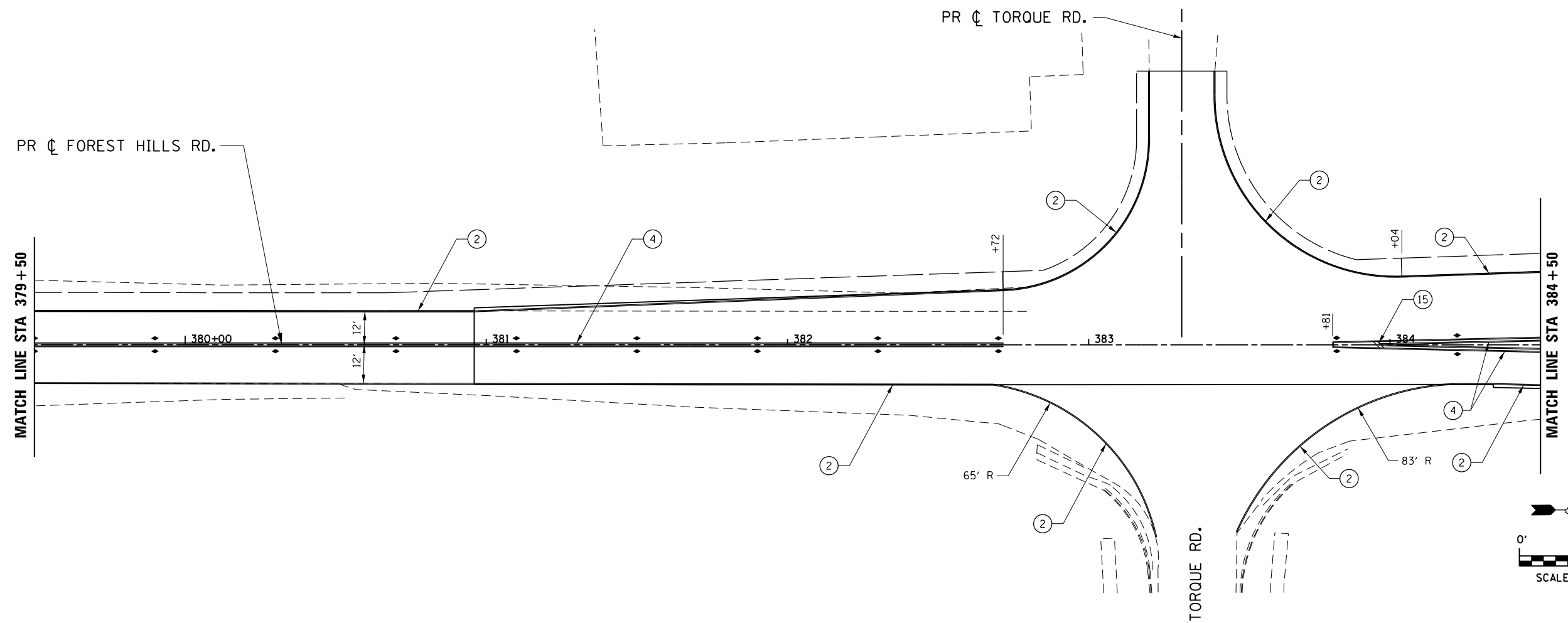
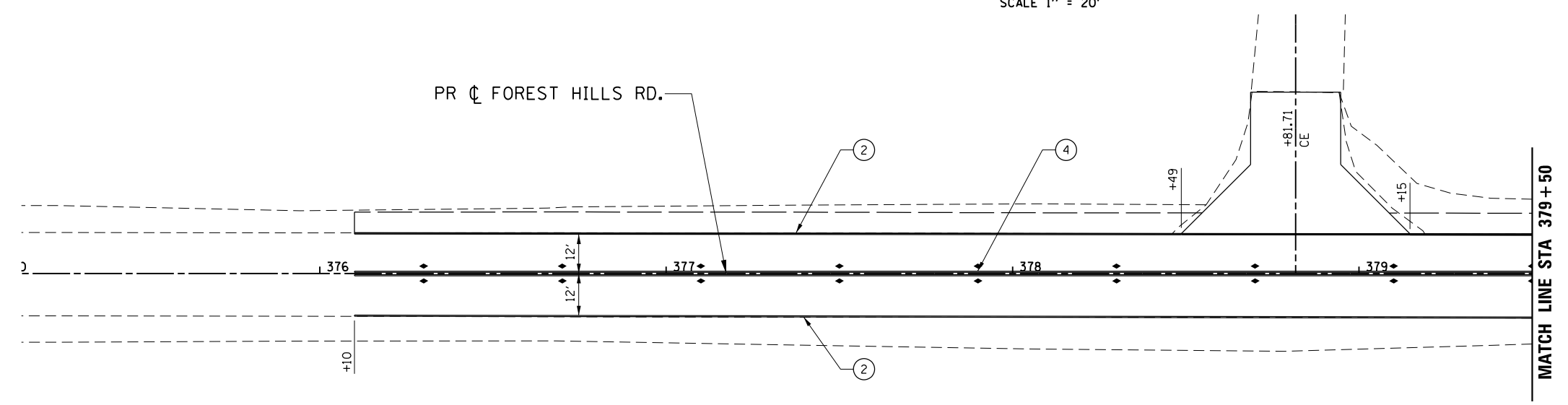
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 95+69 TO STA. 102+34

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	626
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				



**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-30\_Forest-Hills.dgn  
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PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
FOREST HILLS RD**

SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 376+00 TO STA. 384+50
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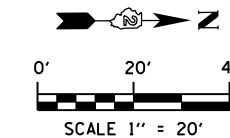
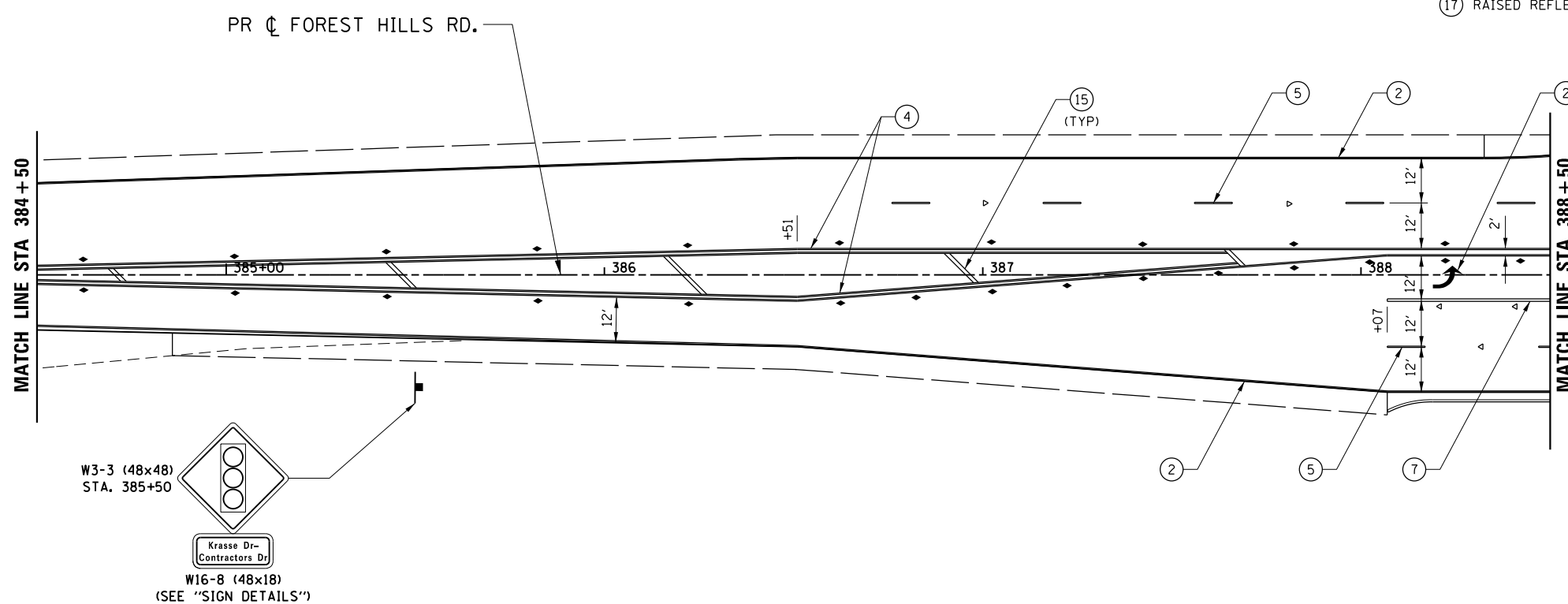
F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 627
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMP\PLN-31\_Forest\_Hills.dgn  
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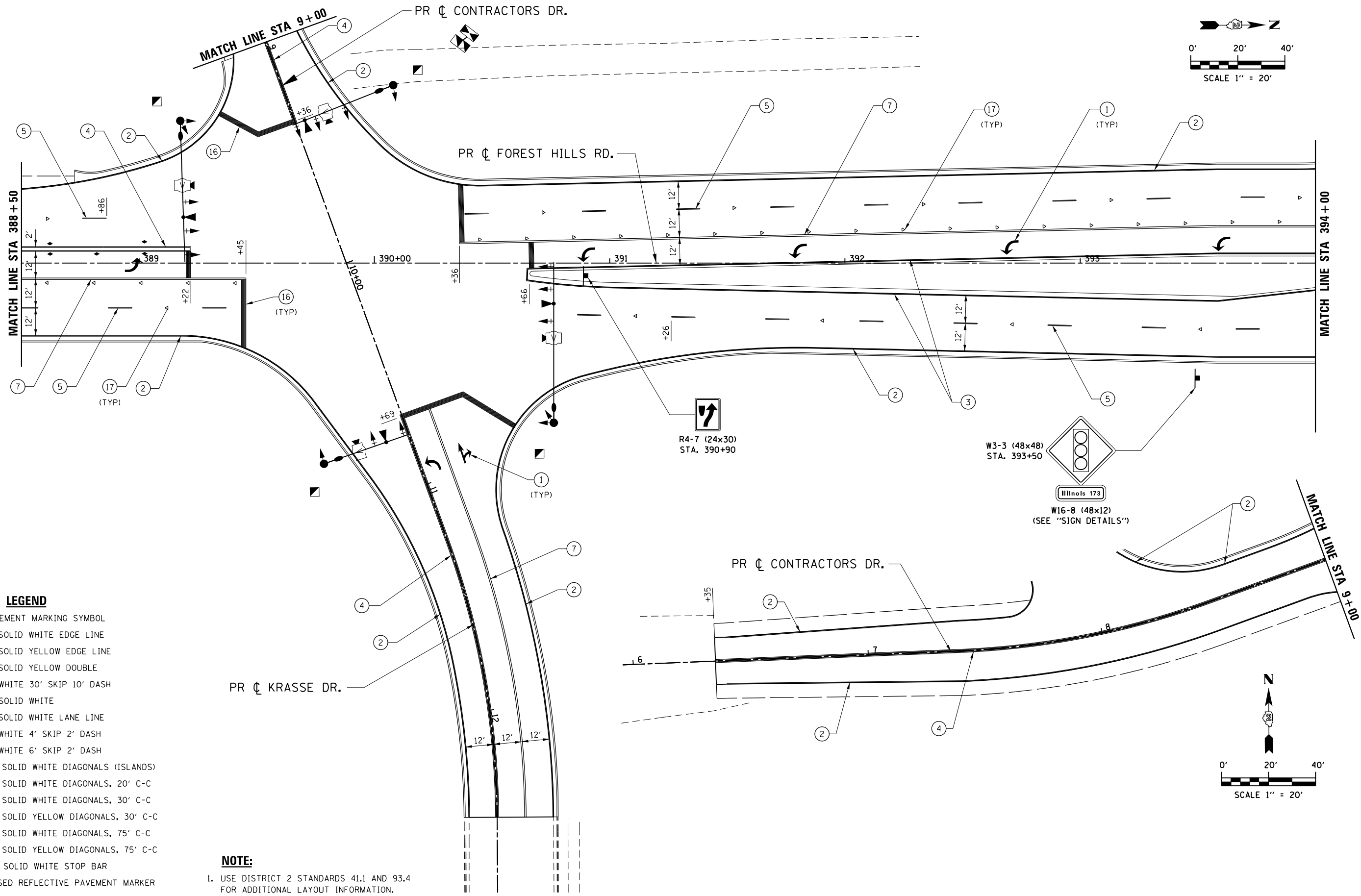
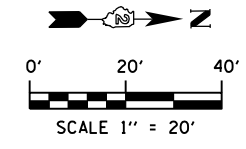
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PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
FOREST HILLS RD**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 384+50    TO STA. 388+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	628
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

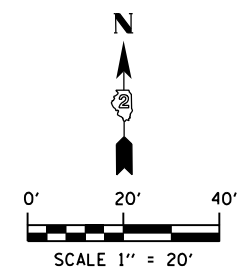


**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.



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PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
FOREST HILLS RD**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 388+50    TO    STA. 394+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 629
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	

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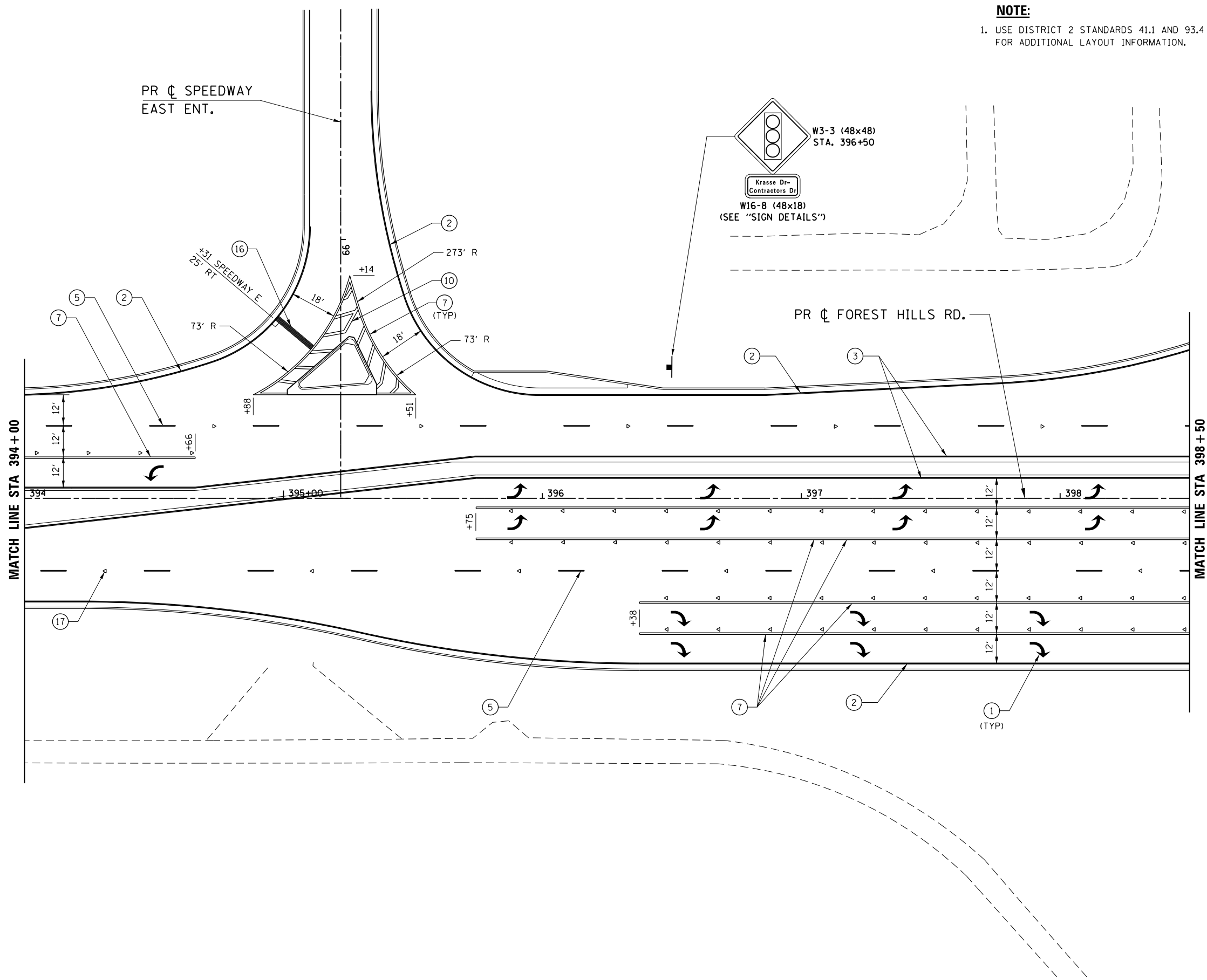
USER NAME = rgoertz	DESIGNED - RG	REVISED -
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PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN  
 FOREST HILLS RD

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 394+00 TO STA. 398+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	630
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				



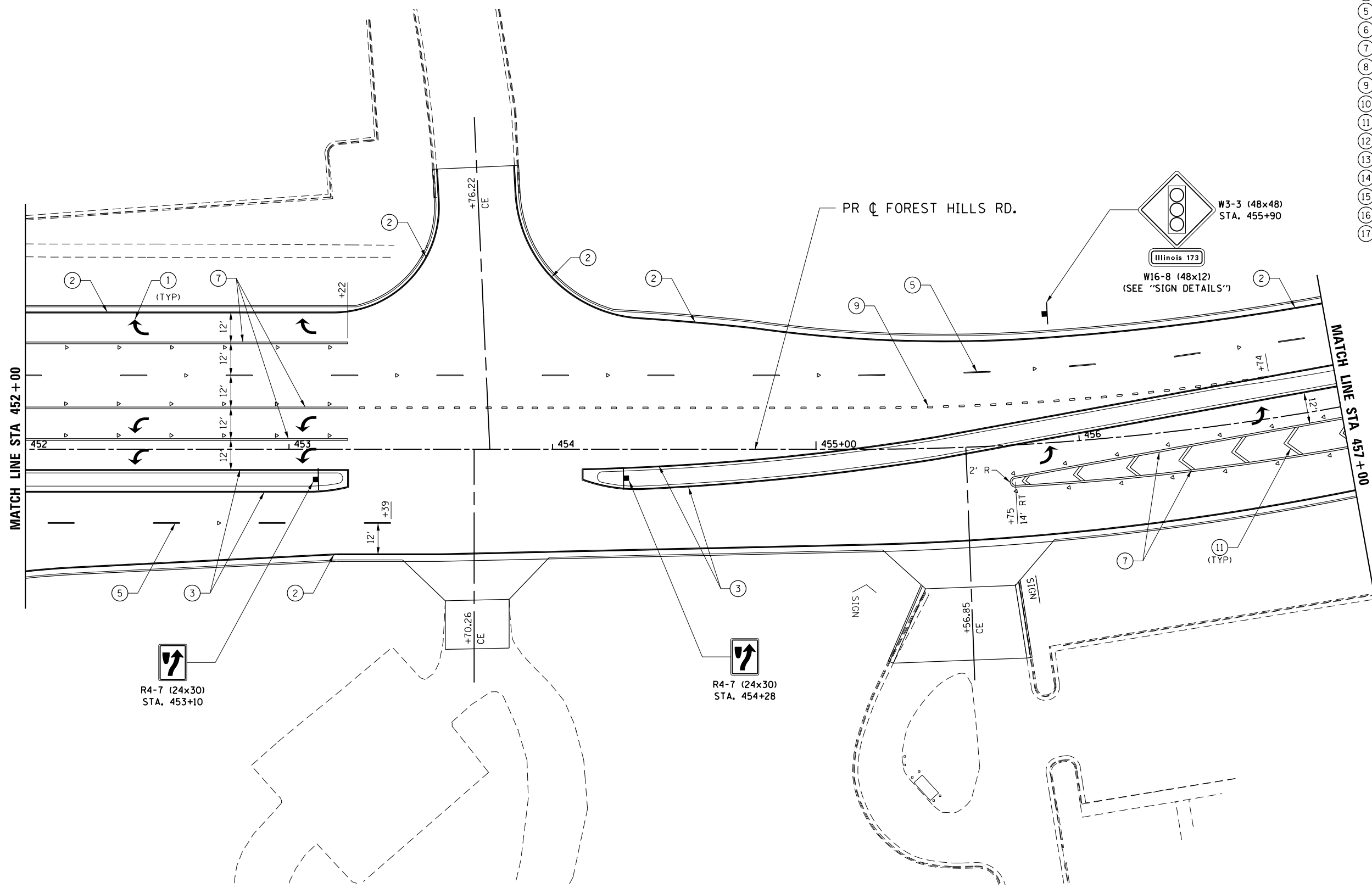
**NOTE:**  
 1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER

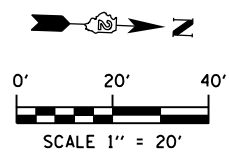


R4-7 (24x30)  
STA. 453+10

R4-7 (24x30)  
STA. 454+28

W3-3 (48x48)  
STA. 455+90

W16-8 (48x12)  
(SEE "SIGN DETAILS")



FILE NAME = Z00793PMLN-34\_Forest-Hills.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT\_PDF...1x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
FOREST HILLS RD**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 452+00    TO STA. 457+00

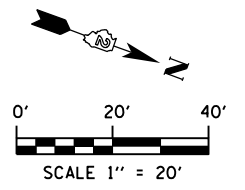
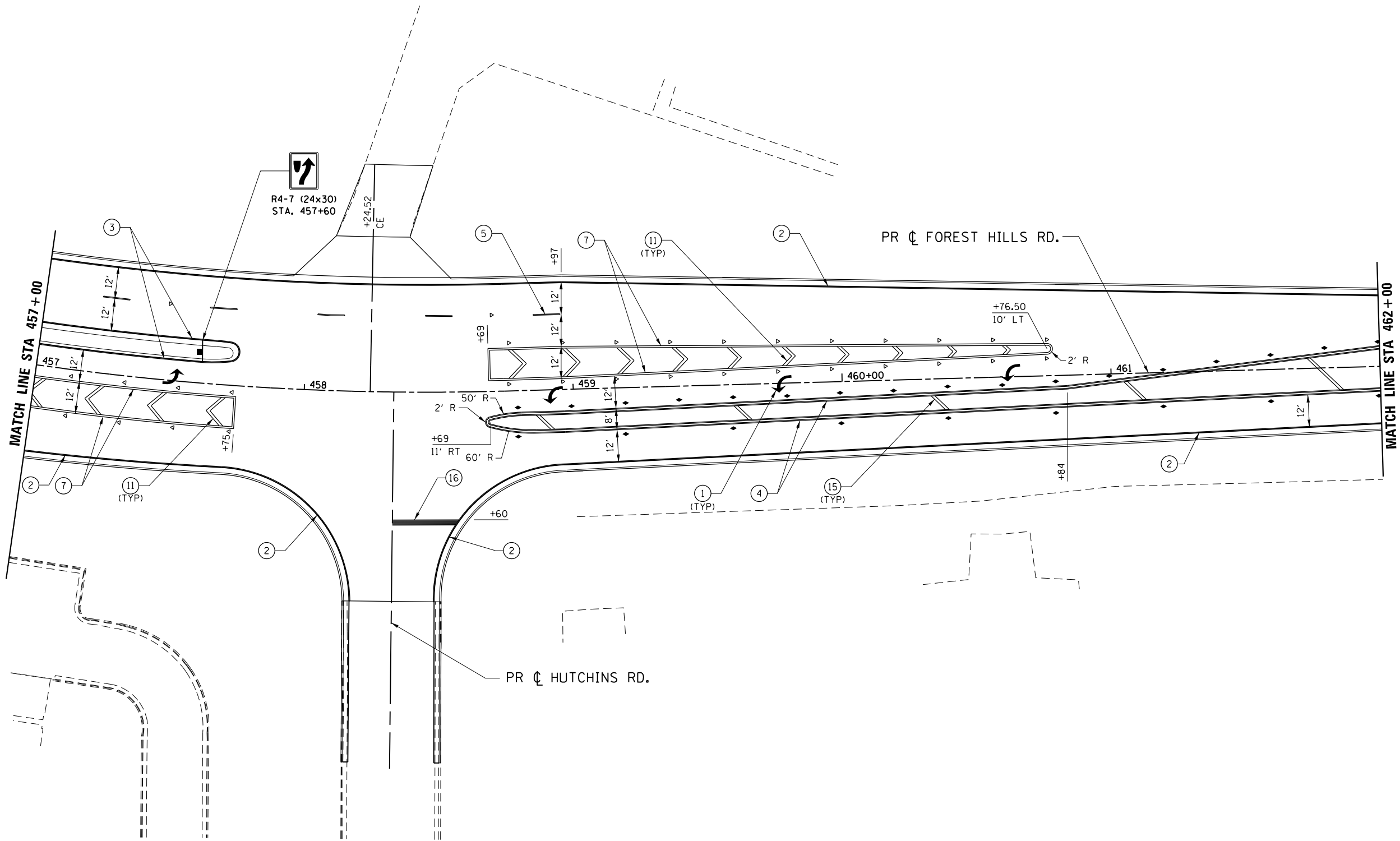
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	631
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- 1 PAVEMENT MARKING SYMBOL
- 2 4" SOLID WHITE EDGE LINE
- 3 4" SOLID YELLOW EDGE LINE
- 4 4" SOLID YELLOW DOUBLE
- 5 6" WHITE 30' SKIP 10' DASH
- 6 6" SOLID WHITE
- 7 8" SOLID WHITE LANE LINE
- 8 8" WHITE 4' SKIP 2' DASH
- 9 8" WHITE 6' SKIP 2' DASH
- 10 12" SOLID WHITE DIAGONALS (ISLANDS)
- 11 12" SOLID WHITE DIAGONALS, 20' C-C
- 12 12" SOLID WHITE DIAGONALS, 30' C-C
- 13 12" SOLID YELLOW DIAGONALS, 30' C-C
- 14 12" SOLID WHITE DIAGONALS, 75' C-C
- 15 12" SOLID YELLOW DIAGONALS, 75' C-C
- 16 24" SOLID WHITE STOP BAR
- 17 RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMP\PLN-35\_Forest-Hills.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT\_PDF...1x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

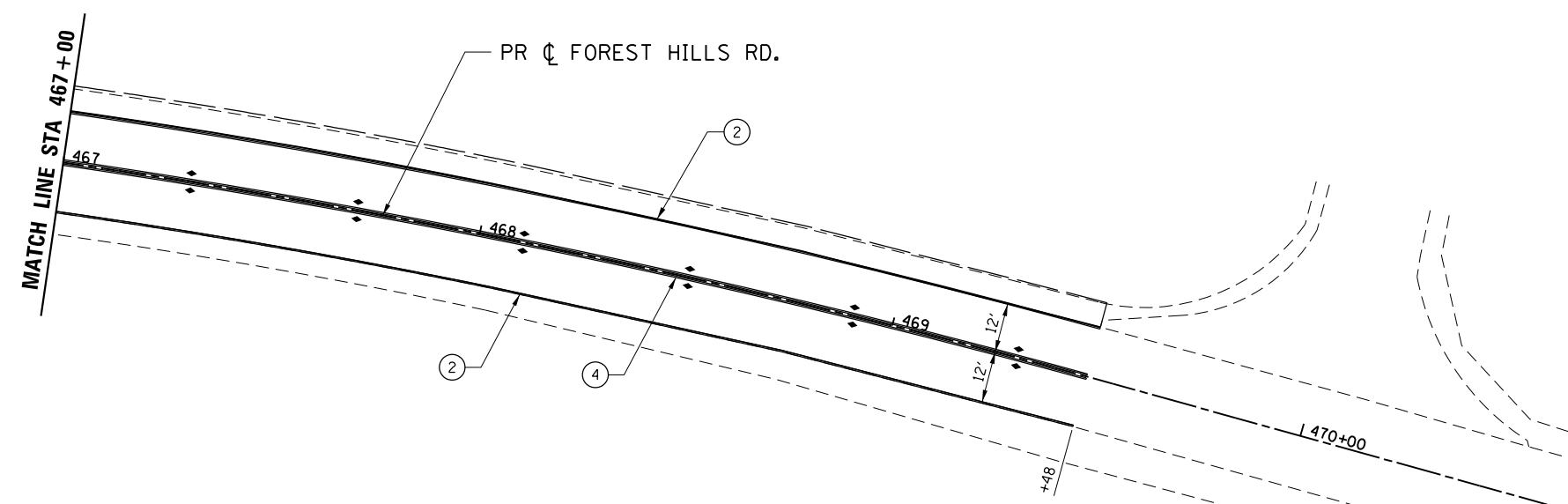
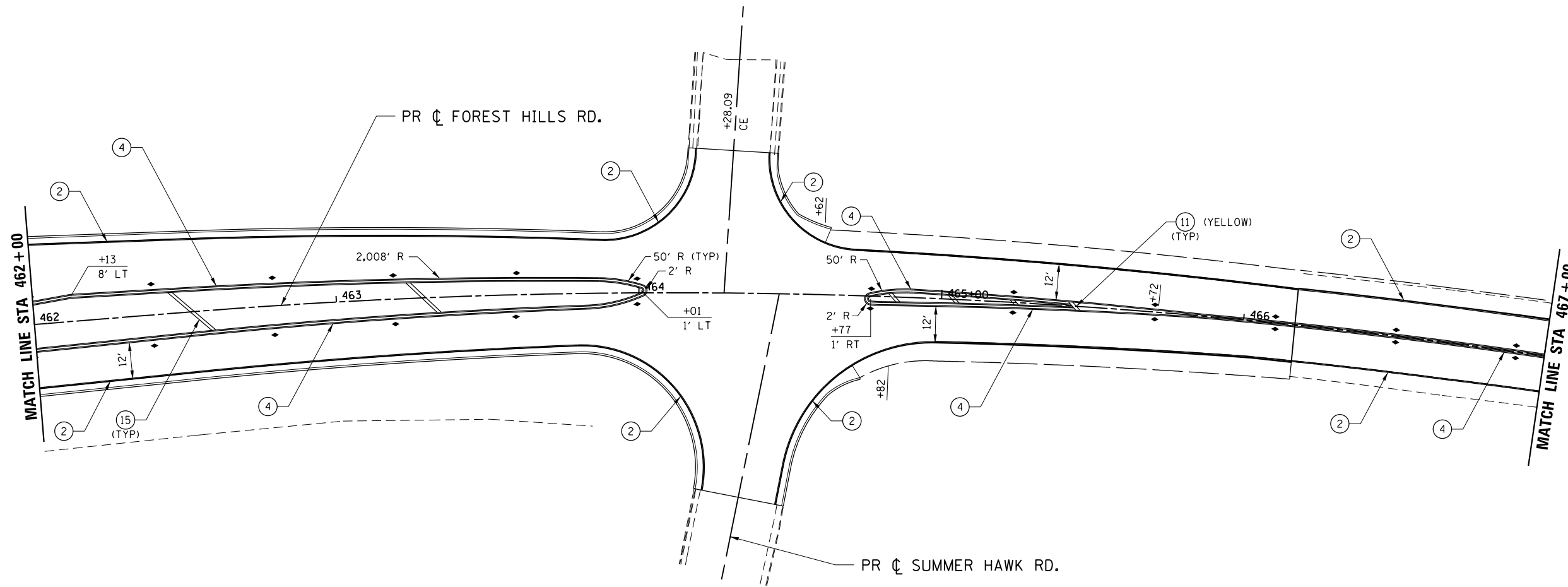
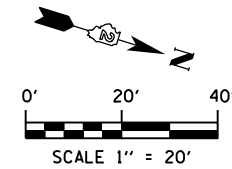
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
 FOREST HILLS RD**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 457+00 TO STA. 462+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	632
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

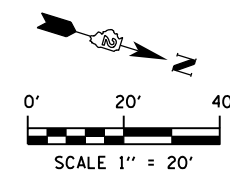




**NOTE:**  
1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-36\_Forest\_Hills.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT\_PDF...1x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - TRF	CHECKED - CMS	REVISED -
PLOT SCALE = 480.0000' / ft.	DATE - APRIL 30, 2013	REVISED -
PLOT DATE = 5/3/2013		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
FOREST HILLS RD**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 462+00    TO STA. 469+48

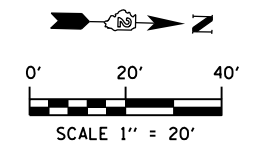
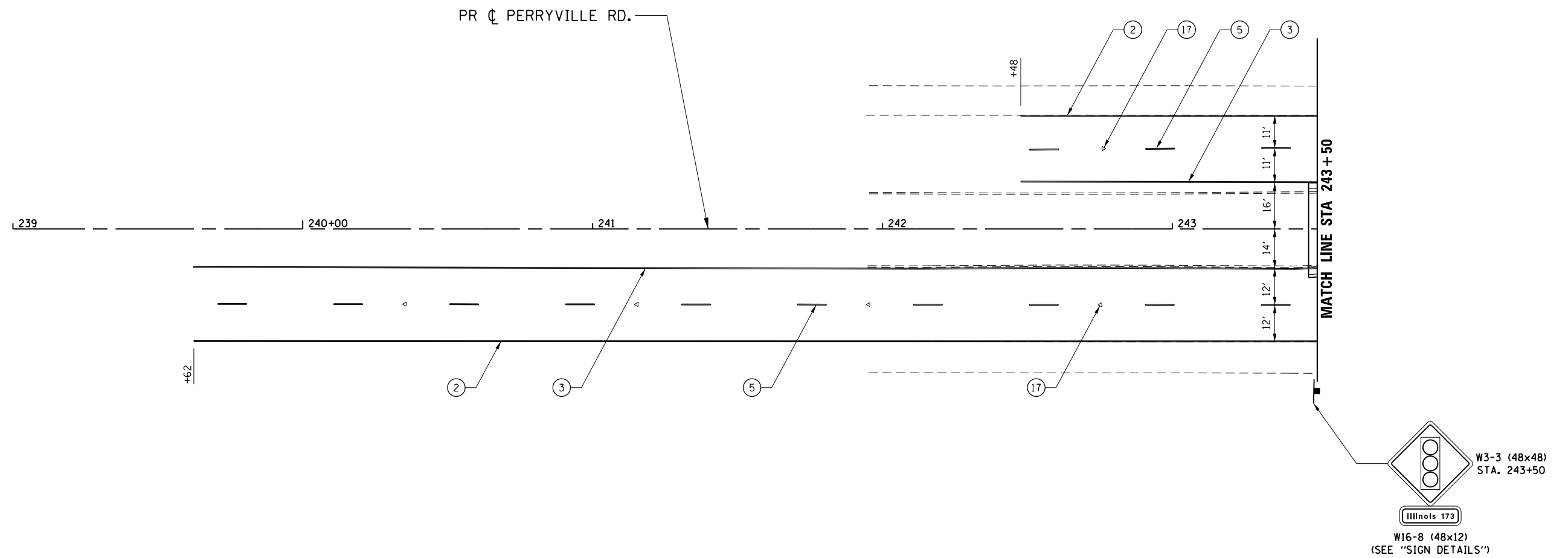
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	633
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- 1 PAVEMENT MARKING SYMBOL
- 2 4" SOLID WHITE EDGE LINE
- 3 4" SOLID YELLOW EDGE LINE
- 4 4" SOLID YELLOW DOUBLE
- 5 6" WHITE 30' SKIP 10' DASH
- 6 6" SOLID WHITE
- 7 8" SOLID WHITE LANE LINE
- 8 8" WHITE 4' SKIP 2' DASH
- 9 8" WHITE 6' SKIP 2' DASH
- 10 12" SOLID WHITE DIAGONALS (ISLANDS)
- 11 12" SOLID WHITE DIAGONALS, 20' C-C
- 12 12" SOLID WHITE DIAGONALS, 30' C-C
- 13 12" SOLID YELLOW DIAGONALS, 30' C-C
- 14 12" SOLID WHITE DIAGONALS, 75' C-C
- 15 12" SOLID YELLOW DIAGONALS, 75' C-C
- 16 24" SOLID WHITE STOP BAR
- 17 RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-37\_Perryville.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT...PDF...1x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
 PERRYVILLE RD**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 239+00 TO STA. 243+50

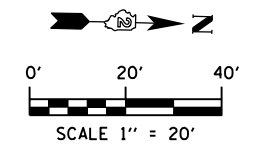
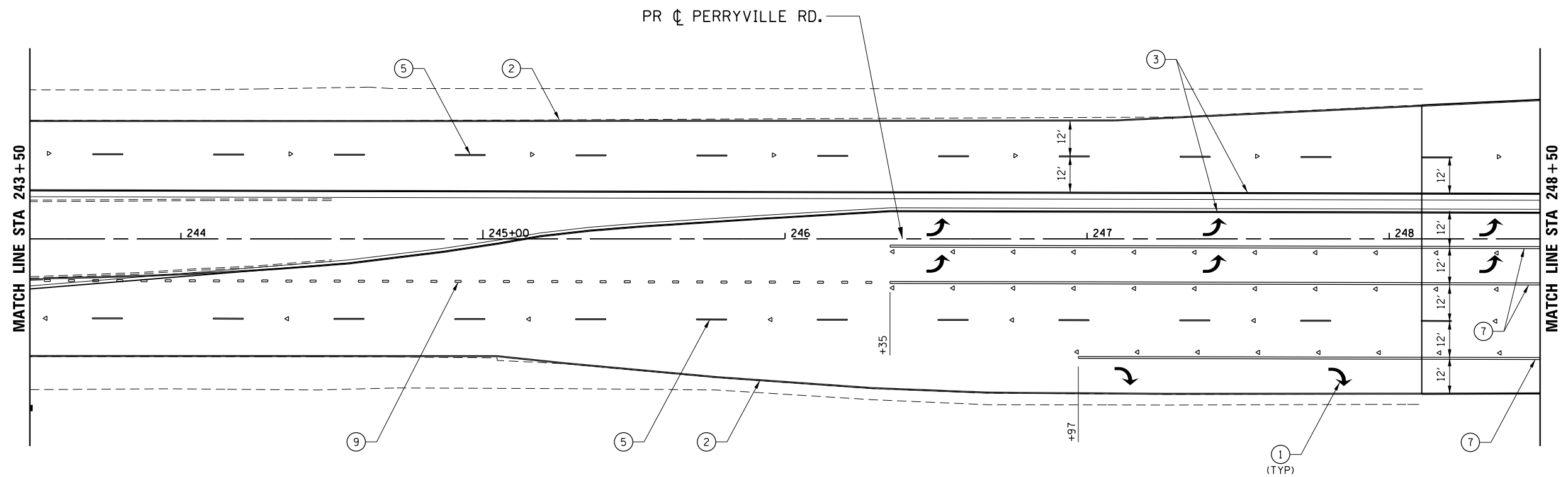
F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 634
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-38\_Perryville.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT...PDF...1x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN  
 PERRYVILLE RD

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 243+50 TO STA. 248+50

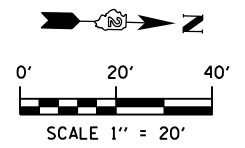
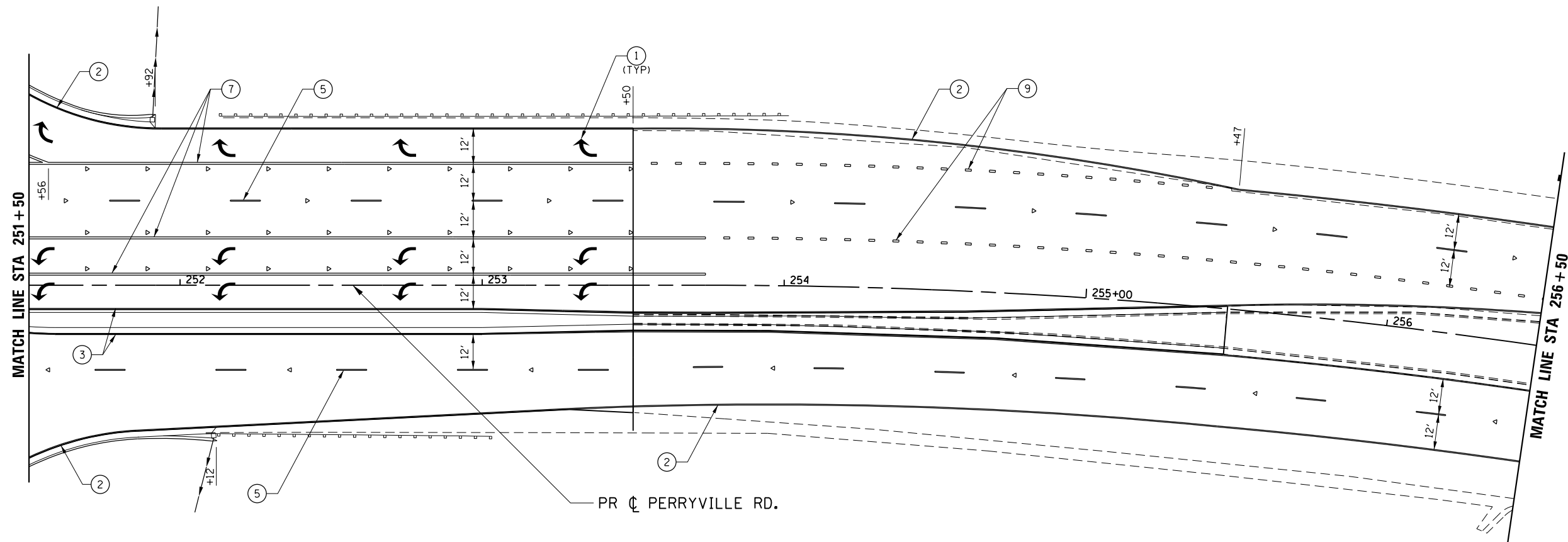
F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 635
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z00793PMLN-39\_Perryville.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT...PDF...1x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 480.0000' / ft.	DRAWN - TRF	REVISED -
PLOT DATE = 5/3/2013	CHECKED - CMS	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & SIGNING PLAN  
PERRYVILLE RD**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 251+50    TO STA. 256+50

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 636
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

FILE NAME = Z007939MPLN-10\_Perryville.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT\_PDF...11x17.pltcfgr



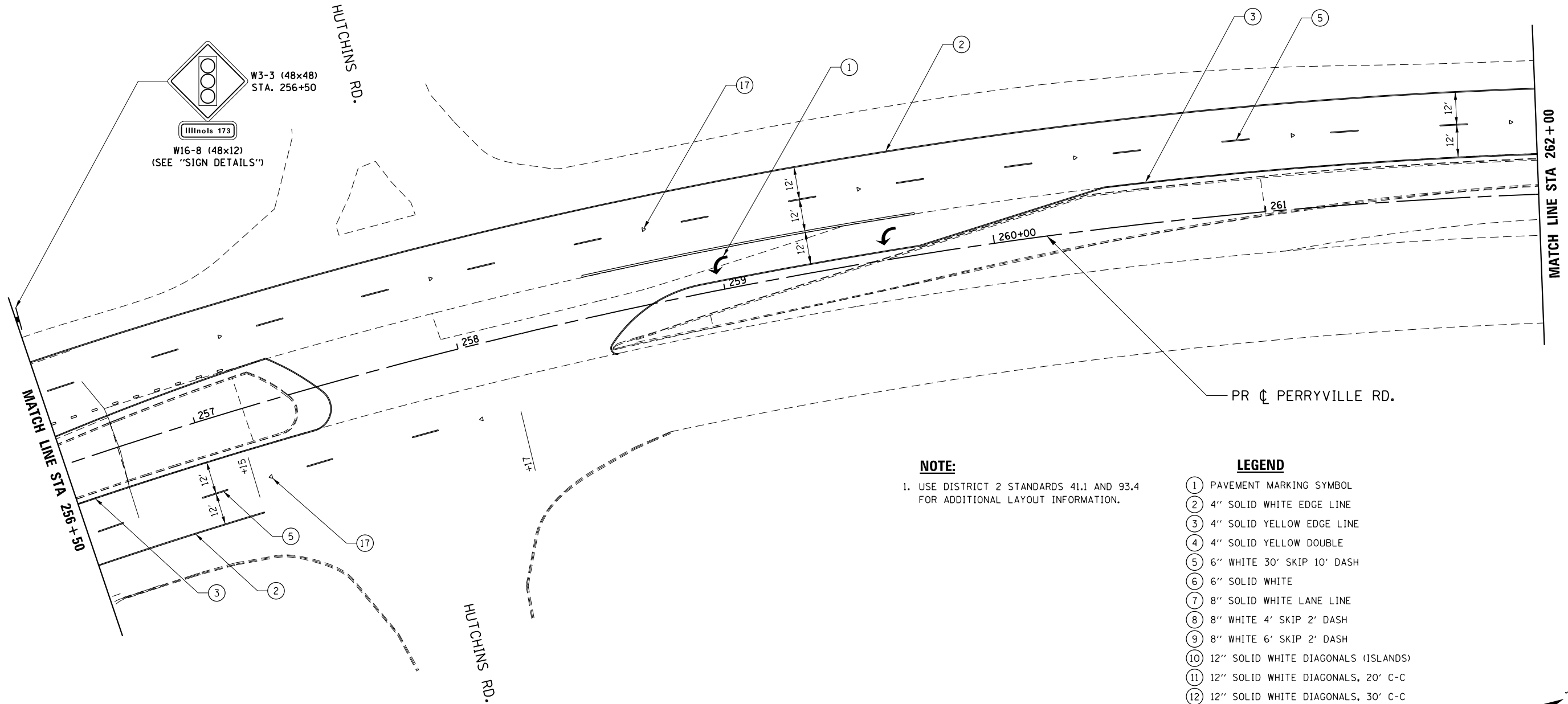
USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN  
 PERRYVILLE RD

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 256+50 TO STA. 262+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 637
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

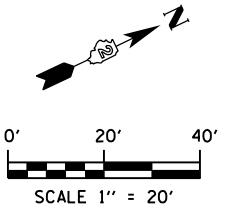


**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- ① PAVEMENT MARKING SYMBOL
- ② 4" SOLID WHITE EDGE LINE
- ③ 4" SOLID YELLOW EDGE LINE
- ④ 4" SOLID YELLOW DOUBLE
- ⑤ 6" WHITE 30' SKIP 10' DASH
- ⑥ 6" SOLID WHITE
- ⑦ 8" SOLID WHITE LANE LINE
- ⑧ 8" WHITE 4' SKIP 2' DASH
- ⑨ 8" WHITE 6' SKIP 2' DASH
- ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
- ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
- ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
- ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
- ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
- ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
- ⑯ 24" SOLID WHITE STOP BAR
- ⑰ RAISED REFLECTIVE PAVEMENT MARKER

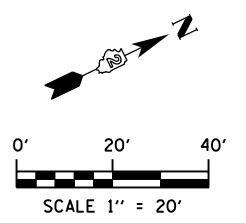


**NOTE:**

1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

**LEGEND**

- 1 PAVEMENT MARKING SYMBOL
- 2 4" SOLID WHITE EDGE LINE
- 3 4" SOLID YELLOW EDGE LINE
- 4 4" SOLID YELLOW DOUBLE
- 5 6" WHITE 30' SKIP 10' DASH
- 6 6" SOLID WHITE
- 7 8" SOLID WHITE LANE LINE
- 8 8" WHITE 4' SKIP 2' DASH
- 9 8" WHITE 6' SKIP 2' DASH
- 10 12" SOLID WHITE DIAGONALS (ISLANDS)
- 11 12" SOLID WHITE DIAGONALS, 20' C-C
- 12 12" SOLID WHITE DIAGONALS, 30' C-C
- 13 12" SOLID YELLOW DIAGONALS, 30' C-C
- 14 12" SOLID WHITE DIAGONALS, 75' C-C
- 15 12" SOLID YELLOW DIAGONALS, 75' C-C
- 16 24" SOLID WHITE STOP BAR
- 17 RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z08793RMP\PLN-41-Perryville.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT...PDF...1x17.pltcf9



USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

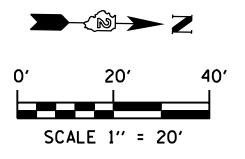
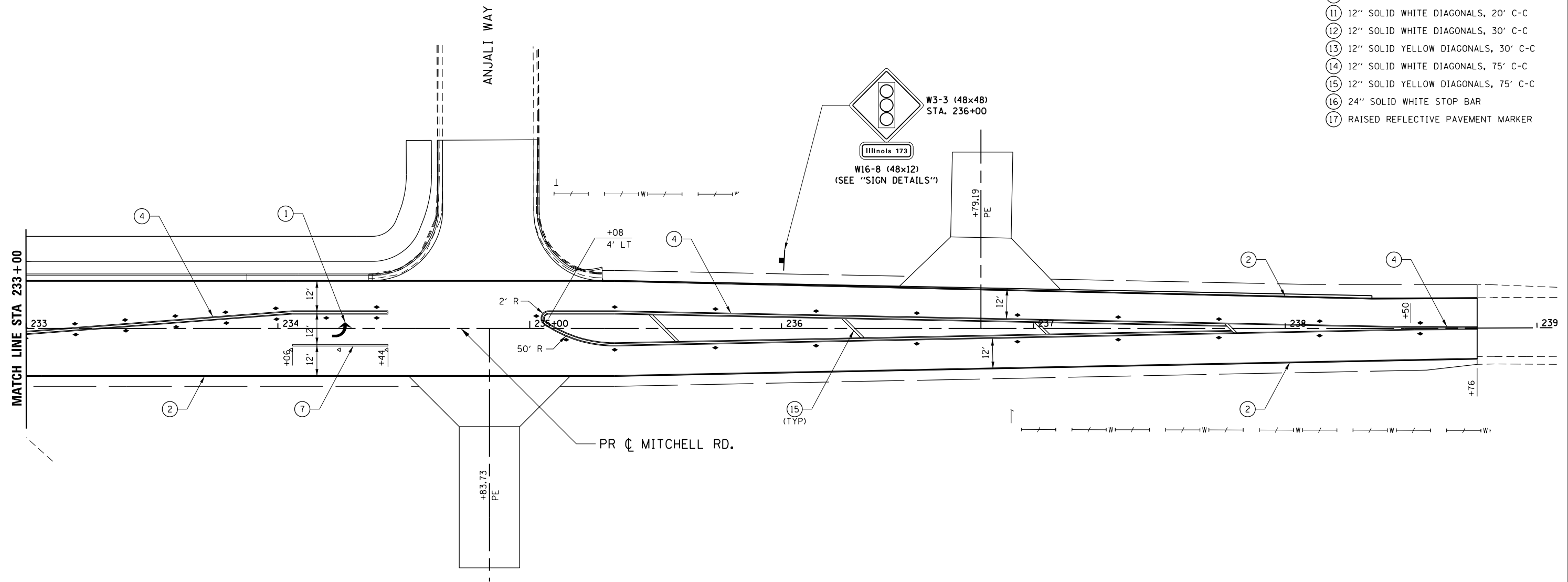
**PAVEMENT MARKING & SIGNING PLAN  
PERRYVILLE RD**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 262+00    TO STA. 267+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	638
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				

**NOTE:**  
 1. USE DISTRICT 2 STANDARDS 41.1 AND 93.4 FOR ADDITIONAL LAYOUT INFORMATION.

- LEGEND**
- ① PAVEMENT MARKING SYMBOL
  - ② 4" SOLID WHITE EDGE LINE
  - ③ 4" SOLID YELLOW EDGE LINE
  - ④ 4" SOLID YELLOW DOUBLE
  - ⑤ 6" WHITE 30' SKIP 10' DASH
  - ⑥ 6" SOLID WHITE
  - ⑦ 8" SOLID WHITE LANE LINE
  - ⑧ 8" WHITE 4' SKIP 2' DASH
  - ⑨ 8" WHITE 6' SKIP 2' DASH
  - ⑩ 12" SOLID WHITE DIAGONALS (ISLANDS)
  - ⑪ 12" SOLID WHITE DIAGONALS, 20' C-C
  - ⑫ 12" SOLID WHITE DIAGONALS, 30' C-C
  - ⑬ 12" SOLID YELLOW DIAGONALS, 30' C-C
  - ⑭ 12" SOLID WHITE DIAGONALS, 75' C-C
  - ⑮ 12" SOLID YELLOW DIAGONALS, 75' C-C
  - ⑯ 24" SOLID WHITE STOP BAR
  - ⑰ RAISED REFLECTIVE PAVEMENT MARKER



FILE NAME = Z007939MPLN-42-Mitchell.dgn  
 MODEL = Default  
 PLOT DRIVER = V8...IDOT\_PDF...1x17.pltcf9



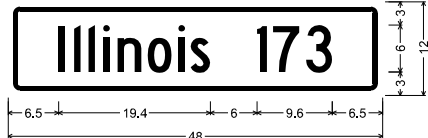
USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - TRF	REVISED -
PLOT SCALE = 480.0000' / ft.	CHECKED - CMS	REVISED -
PLOT DATE = 5/3/2013	DATE - APRIL 30, 2013	REVISED -

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

**PAVEMENT MARKING & SIGNING PLAN**  
**MITCHELL RD**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS    STA. 233+00    TO STA. 238+76

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	639
CONTRACT NO. 64988				
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Illinois 173] C 2K 95% spacing;  
 Table of letter and object lefts.

I	l	i	n	o	s	1	7	3
6.5	8.4	10.3	12.2	14.0	17.9	21.8	23.4	31.9
34.0	38.2							



1.5" Radius, 0.8" Border, 0.6" Indent, Black on Yellow;  
 [Kimber] D 2K 95% spacing; [Drive] D 2K;  
 Table of letter and object lefts.

K	i	m	b	e	r
11.5	16.5	18.6	25.6	29.9	34.3
D	r	i	v	e	
14.9	20.2	23.2	24.8	29.6	



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Perryville] D 2K 95% spacing; [Road] D 2K;  
 Table of letter and object lefts.

P	e	r	r	y	v	i	l	e
7.2	11.7	16.1	19.1	21.6	26.3	31.2	33.3	35.4
R	o	a	d					
15.5	20.2	24.6	28.9					



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Alpine] D 2K 95% spacing; [Road] D 2K;  
 Table of letter and object lefts.

A	l	p	i	n	e
12.8	18.6	20.7	25.2	27.3	31.7
R	o	a	d		
15.5	20.3	24.6	28.9		



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Burden] D 2K 95% spacing; [Road] D 2K;  
 Table of letter and object lefts.

B	u	r	d	e	n
11.7	16.5	21.2	24.0	28.5	32.8
R	o	a	d		
15.5	20.3	24.6	28.9		



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Mitchell] D 2K 95% spacing; [Road] D 2K;  
 Table of letter and object lefts.

M	i	t	c	h	e	l	
10.8	16.7	18.3	21.1	25.4	29.8	34.1	36.2
R	o	a	d				
15.5	20.2	24.6	28.9				



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Continental] D 2K 95% spacing; [Drive] D 2K;  
 Table of letter and object lefts.

C	o	n	t	i	n	e	n	t	a	l
4.1	9.1	13.6	17.7	20.8	22.9	27.3	31.6	35.7	38.5	43.0
D	r	i	v	e						
14.9	20.2	23.2	24.8	29.6						



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Forest Hills] C 2K 95% spacing; [Road] C 2K;  
 Table of letter and object lefts.

F	o	r	e	s	t	H	i	l	l	s
5.7	9.2	13.1	15.6	19.1	21.8	30.0	34.5	36.4	38.2	39.8
R	o	a	d							
16.7	20.8	24.5	28.2							



1.5" Radius, 0.6" Border, 0.6" Indent, Black on Yellow;  
 [Krasse Dr-] C 2K; [Contractors Dr] C 2K 60% spacing;  
 Table of letter and object lefts.

K	r	a	s	s	e	D	r	-		
7.0	11.2	13.6	17.2	20.1	23.2	32.2	36.7	38.9		
C	o	n	t	r	a	c	t	o	r	s
2.6	6.5	10.1	13.5	16.0	18.2	21.6	24.7	27.1	30.7	32.9
D	r									
39.4	43.4									

- NOTES:  
 1. SEE PAVEMENT MARKING & SIGNING PLANS FOR LOCATION OF STREET NAME SIGNS AND TRAFFIC SIGNS.  
 2. SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL SIGN DETAILS AND POLE REQUIREMENTS.

FILE NAME = D2200793-sht-sign.dgn  
 MODEL = Default  
 PLOT DRIVER = V8i, IDOT, PDF, Ix17, plot19



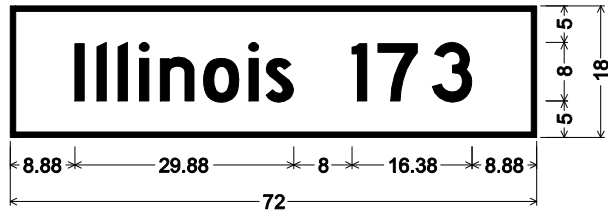
USER NAME = rgoertz	DESIGNED - KEC	REVISED -
FILE NAME = D2200793-sht-sign.dgn	DRAWN - KEC	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MTM	REVISED -
PLOT DATE = 5/2/2013	DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GROUND MOUNTED SIGN DETAILS  
 SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	640
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



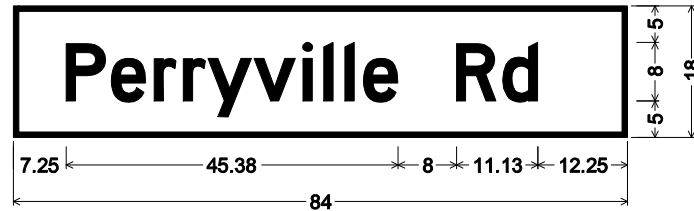


3.00" Radius, 0.75" Border, White on Green;  
[Illinois 173] D 2K;

Table of letter and object lefts.

I	l	l	i	n	o	i	s
8.88	11.88	14.75	17.63	20.50	26.50	32.63	35.00
I		7	3				
46.75		50.25	57.75				

(A)

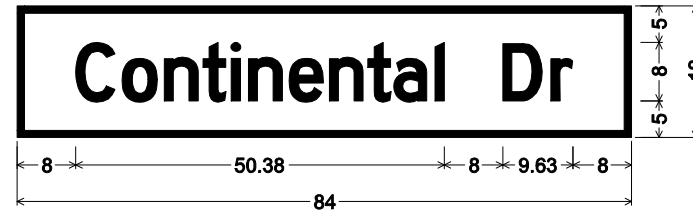


3.00" Radius, 0.75" Border, White on Green;  
[Perryville Rd] D 2K;

Table of letter and object lefts.

P	e	r	r	y	v	i	l	l	e
7.25	13.38	19.25	23.25	26.63	33.00	39.63	42.50	45.38	47.88
R		d							
60.63		67.00							

(D)

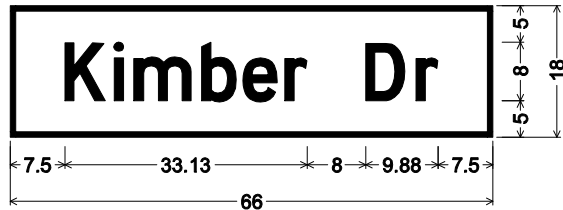


3.00" Radius, 1.00" Border, White on Green;  
[Continental Dr] D 2K 70% spacing;

Table of letter and object lefts.

C	o	n	t	i	n	e	n	t	a	l
8.00	14.38	20.13	25.38	29.25	31.63	37.13	42.63	48.00	51.50	57.13
D		r								
66.38		73.00								

(F)

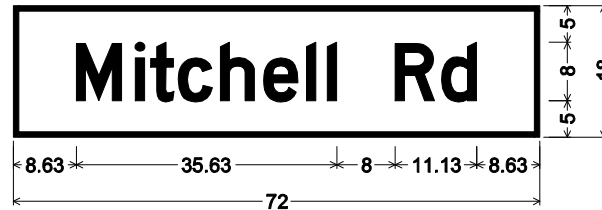


3.00" Radius, 0.75" Border, White on Green;  
[Kimber Dr] D 2K 90% spacing;

Table of letter and object lefts.

K	i	m	b	e	r
7.50	14.13	16.88	26.13	31.88	37.50
D		r			
48.63		55.50			

(B)

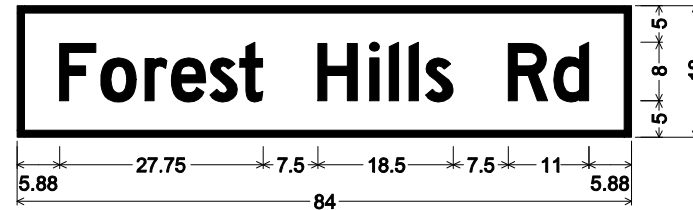


3.00" Radius, 0.75" Border, White on Green;  
[Mitchell Rd] D 2K;

Table of letter and object lefts.

M	i	t	c	h	e	l	l
8.63	16.63	18.75	22.50	28.38	34.25	40.13	43.00
R		d					
52.25		58.50					

(E)

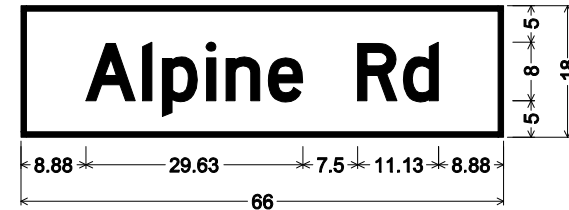


3.00" Radius, 1.00" Border, White on Green;  
[Forest Hills Rd] D 2K 90% spacing;

Table of letter and object lefts.

F	o	r	e	s	t		
5.88	11.38	17.50	21.13	26.38	30.38		
H		i	l	s	R	d	
41.13		48.13	50.88	53.63	55.88	67.13	73.38

(G)



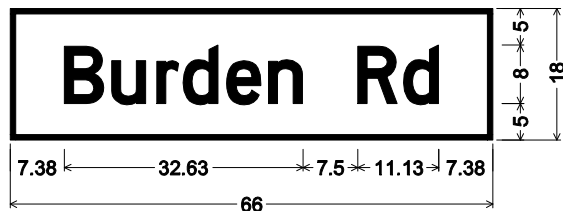
3.00" Radius, 0.75" Border, White on Green;  
[Alpine Rd] D 2K 90% spacing;

Table of letter and object lefts.

A	l	p	i	n	e
8.88	16.63	19.38	25.38	28.00	33.88
R		d			
46.00		52.25			

(I)

SIGN PANEL - TYPE 1

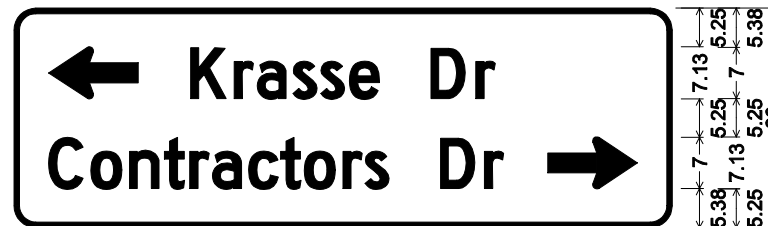


3.00" Radius, 0.75" Border, White on Green;  
[Burden Rd] D 2K 90% spacing;

Table of letter and object lefts.

B	u	r	d	e	n
7.38	13.88	20.00	23.63	29.63	35.38
R		d			
47.50		53.75			

(C)



3.00" Radius, 0.75" Border, White on Green;  
Standard Arrow Custom 12.25" X 7.13" 180°; [Krasse Dr] D 2K;

[Contractors Dr] D 2K 90% spacing;

Standard Arrow Custom 12.25" X 7.13" 0°;

Table of letter and object lefts.

←	K	r	a	s	s	e	D	r			
4.75	24.13	30.13	33.25	38.13	42.00	45.88	57.00	63.13			
C		o	n	t	r	a	c	t	o	r	s
4.75		10.50	15.75	20.50	24.00	27.13	32.13	36.50	39.75	45.00	48.00
D		r	→								
58.38		64.38	73.00								

(H)



3.00" Radius, 0.75" Border, White on Green;  
Standard Arrow Custom 12.25" X 7.13" 180°;

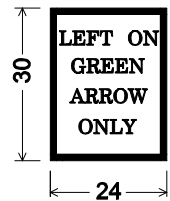
[Contractors Dr] D 2K 90% spacing; [Krasse Dr] D 2K;

Standard Arrow Custom 12.25" X 7.13" 0°;

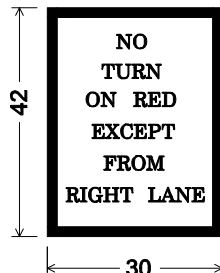
Table of letter and object lefts.

←											
4.75											
C		o	n	t	r	a	c	t	o	r	s
23.00		28.75	34.00	38.75	42.25	45.38	50.38	54.75	58.00	63.25	66.25
D		r									
76.63		82.63									
K		r	a	s	s	e	D	r	→		
24.13		30.13	33.25	38.13	42.00	45.88	57.00	63.13	73.00		

SIGN PANEL - TYPE 2



R10-5



R10-11C

SIGN PANEL - TYPE 1

# TRAFFIC SIGNALS - SUMMARY OF QUANTITIES

				CONSTRUCTION CODE									
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ALL INTERSECTIONS	ORLANDO	ALPINE	CONTINENTAL	KIMBER	BURDEN	FOREST HILLS	PERRYVILLE	MITCHELL	KRASSE
				80% FED 20% STATE	80% FED 10% STATE 10% VMP	80% FED 10% STATE 10% VMP	80% FED 10% STATE 10% VMP	80% FED 10% STATE 10% VMP	80% FED 10% STATE 5% VMP 5% CLP	80% FED 10% STATE 5% VMP 5% CLP	80% FED 10% STATE 10% COUNTY	80% FED 13.33% STATE 6.67% VMP	80% FED 20% CLP
				TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN
72000100	SIGN PANEL, TYPE 1	SQ FT	346			54.5	38	54.5	49.5	55.5	38	41	15
72000200	SIGN PANEL, TYPE 2	SQ FT	121.5				21			21	21		58.5
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	24							24			
80500100	SERVICE INSTALLATION, TYPE A	EACH	7				1	1	1	1	1	1	1
81028740	UNDERGROUND CONDUIT, COILABLE, NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	130				16	15	20	20	20	21	18
81028760	UNDERGROUND CONDUIT, COILABLE, NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	12120	1674		469	680	943	891	2359	3985	355	764
81028790	UNDERGROUND CONDUIT, COILABLE, NONMETALLIC CONDUIT, 4" DIA.	FOOT	3367				359	423	404	739	570	346	526
81400100	HANDHOLE	EACH	57	5		2	6	7	4	11	13	4	5
81400300	DOUBLE HANDHOLE	EACH	7				1	1	1	1	1	1	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6497				932	896	1040	1035	1061	521	1012
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	27				4	4	4	4	4	3	4
85000400	MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1				1						
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	7				1	1	1	1	1	1	1
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	8			1	1	1	1	1	1	1	1
87100110	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6F	FOOT	10672			295	929	923	995	2272	3941	424	893
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1588							560	793	235	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1637							574	814	249	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	22718			76	2221	2140	2931	5243	4874	1122	4111
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	12316				2568	2503	2071	2479	1535	1160	
87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	6490				957	923	752	1143	1160	480	1075
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	218				27	30	37	33	28	34	29
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	5325			50	721	647	591	1147	918	616	635
87501000	TRAFFIC SIGNAL POST, 14 FT.	EACH	16			2	2	5	1	5		1	
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	9				2				4	3	
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1									1	
87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1									1	
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1					1					
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	3				1	1					1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	2				1		1				
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	2				1					1	
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	5				1	1	2				1
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	2					1					1
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1						1				
87703010	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.	EACH	2							1	1		
87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	2								1		1
87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	3							3			
87703050	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1								1		



USER NAME = Tony	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - THW	REVISED -
PLOT DATE = 7/22/2013	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL  
SUMMARY OF QUANTITIES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	642
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNALS - SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				ALL INTERSECTIONS 80% FED 20% STATE	ORLANDO 80% FED 10% STATE 10% VMP	ALPINE 80% FED 10% STATE 10% VMP	CONTINENTAL 80% FED 10% STATE 10% VMP	KIMBER 80% FED 10% STATE 10% VMP	BURDEN 80% FED 10% STATE 5% VMP 5% CLP	FOREST HILLS 80% FED 10% STATE 5% VMP 5% CLP	PERRYVILLE 80% FED 10% STATE 10% COUNTY	MITCHELL 80% FED 13.33% STATE 6.67% VMP	KRASSE 80% FED 20% CLP						
				TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN	TRAFF SIGNALS 0021 URBAN						
87703070	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1									1							
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	66			6	12	6	3		15	12	12						
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	21				3	3	3		3	3	3	3					
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	26.5										26.5						
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	228.75				63.5	62.25	64				15	24					
87800420	CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	208.25								84	78.25		46					
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	13			2	2	2	2			2	1	2					
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	70				8	8	7		16	14	6	11					
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	17				4	1	1		5	4	2						
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	13				4	4	2		1	1	1						
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	16				2	3	2		4	2	1	2					
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	6								2	2	2						
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	1									1							
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	85				12	14	9		17	15	7	11					
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8								2	4	2						
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	7	7															
89502200	MODIFY EXISTING CONTROLLER	EACH	1			1													
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5						1	1	1	1		1					
89502380	REMOVE EXISTING HANDHOLE	EACH	24						5	3	4	8		4					
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	32						7	6	7	4		8					
89502500	REMOVE TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1				1												
# X0324102	EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM	EACH	6				1	1	1	1	1	1	1	1					
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	7				1	1	1	1	1	1	1	1					
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	9		1	1	1	1	1	1	1	1	1	1					
Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	7				1	1	1	1	1	1	1	1					

# 100% HARLEM - ROSCOE FIRE DISTRICT.

**ELECTRICAL GENERAL NOTES**

1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE ABS PLASTIC.
3. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
4. THE LOCATION OF THE MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE THE FOUNDATIONS ARE CONSTRUCTED.
5. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TOUNGE CONNECTORS.
6. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(b)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH THE PROPOSED GRADE ELEVATIONS.
7. LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
8. ABONDON EXISTING CABLES IN PLACE.
9. THE LOCATIONS OF THE SIGNAL HEADS ON THE MAST ARMS SHALL BE APPROVED BY THE ENGINEER BEFORE MAST ARMS ARE INSTALLED.
10. TRAFFIC SIGNAL CONTROLLERS SHALL BE COMPATABLE WITH THE FIBER OPTIC INTERCONNECT.
11. PLEASE CONTACT SCOTT KULLERSTRAND, D2 OPERATIONS AT 815-284-5468 TWO WEEKS PRIOR TO ANY WORK WHICH WILL AFFECT TRAFFIC SIGNAL OPERATION. SIGNAL TIMING ADJUSTMENTS WILL BE DONE THROUGH BY IDOT PERSONNEL TO MINIMIZE DELAYS, ETC.

**TRAFFIC SIGNAL MOUNTED SIGN SCHEDULE**

Intersection	Sign Panels		R10-5	R10-11C	(Each)	(Each)	72000100	72000200	
							Sign Panel - Type 1	Sign Panel - Type 2	
							(SQ FT)	(SQ FT)	
Illinois 173/Alpine Rd	A	I	4		2	2	54.5		
Illinois 173/Kimber Dr	A	B	4		2	2	54.5		
Illinois 173/Burden Rd	A	C	3		2	2	49.5		
Illinois 173/Perryville Rd	A	D	4		2	2	38	21	
Illinois 173/Mitchell Rd	A	E	1		2	2	41		
Illinois 173/Continental Dr	A	F	4		2	2	38	21	
Illinois 173/Forest Hills Rd	A	G	4	2	2	2	55.5	21	
Forest Hills Rd/Krass Rd	G	H	3		2	2	15	58.5	
<b>Totals =</b>								<b>346</b>	<b>121.5</b>

See SIGN DETAILS for Sign Panels A thru I dimensions.



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGN SCHEDULE & GENERAL NOTES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	644
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



☉ N 2ND ST

EX SIGNAL HEADS TO BE COVERED

| 1010+00

☉ IL 173

☉ ORLANDO ST

| 312

| 311

| 1010+00

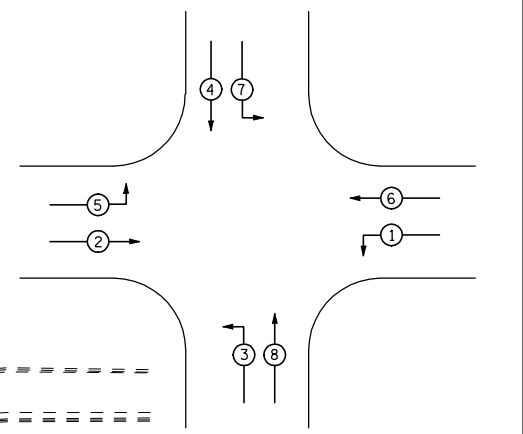
| 79

| 1013

| 1014

| 1015+00

- LEGEND**
- ☉ EX COMBINATION MAST ARM
  - ☐ EX TRAFFIC SIGNAL
  - ☒ EX CONTROLLER
  - ☐ EX HANDHOLE
  - ☐ EX SPLICE BOX
  - ☐ EX POWER POLE
  - ☉ EX LIGHT POLE
  - ☉ TEMP LIGHTING
  - ☒ TEMP SIGNAL



EXISTING PHASE DESIGNATION DIAGRAM



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING & TEMPORARY SIGNAL PLANS  
IL RTE 173 & ORLANDO STREET / N 2ND STREET**

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

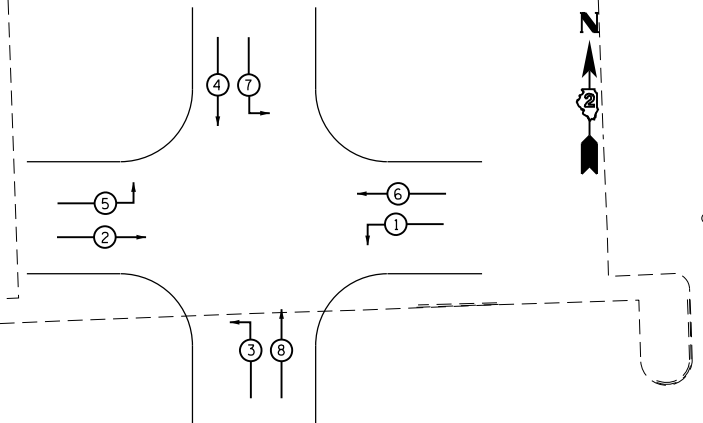
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	645
CONTRACT NO. 64988				

ILLINOIS FED. AID PROJECT

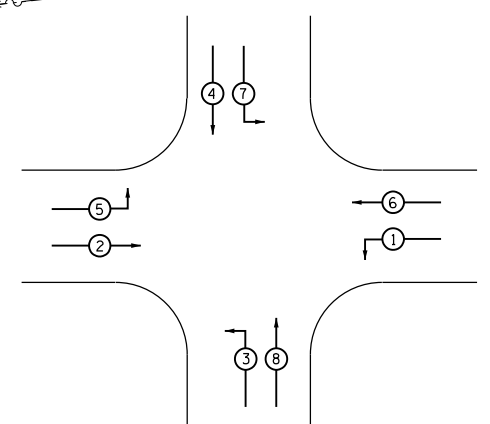
TEMPORARY TRAFFIC SIGNAL NOTES:

1. REVISE EXISTING PHASING TO TEMPORARY SHOWN ON THE PLANS.
  2. EAST-WEST LEFT TURN SIGNALS SHALL BE COVERED UNTIL STAGE CONSTRUCTION IS COMPLETED AND CONTROLLER MODIFICATIONS ARE DONE.
  3. EXISTING VIDEO DETECTION SHALL BE UTILIZED DURING STAGE CONSTRUCTION. DETECTION ZONES SHALL BE ADJUSTED DURING EACH STAGE TO PROVIDED DETECTION IN EACH APPROACH LANE.
  4. SPAN WIRE MOUNTED SIGNAL WIRING SHALL ACCESS EXISTING CONTROLLER THROUGH HANDHOLES. CABLES SHALL BE PROTECTED FROM PINCHING OR OTHER HAZARDS WHERE ENTERING HANDHOLES.
  5. SPAN WIRE MOUNTED SIGNAL TO BE MOUNTED TO PREVENT OCCLUSION OF EXISTING MAST ARM MOUNTED SIGNALS.
  6. TEMPORARY CABLES FROM WOOD POLE IN NW CORNER TO EXISTING MAST ARM SHALL FEED ALL SIGNALS ON NORTH SIDE. CABLES SHALL BE SECURED TO MAST ARM AND HAVE ADEQUATE VERTICAL CLEARANCE OVER ROADWAY.
- ALL WORK INCLUDED IN PAY ITEM FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY PHASE DESIGNATION DIAGRAM



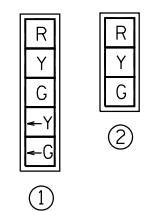
EXISTING PHASE DESIGNATION DIAGRAM



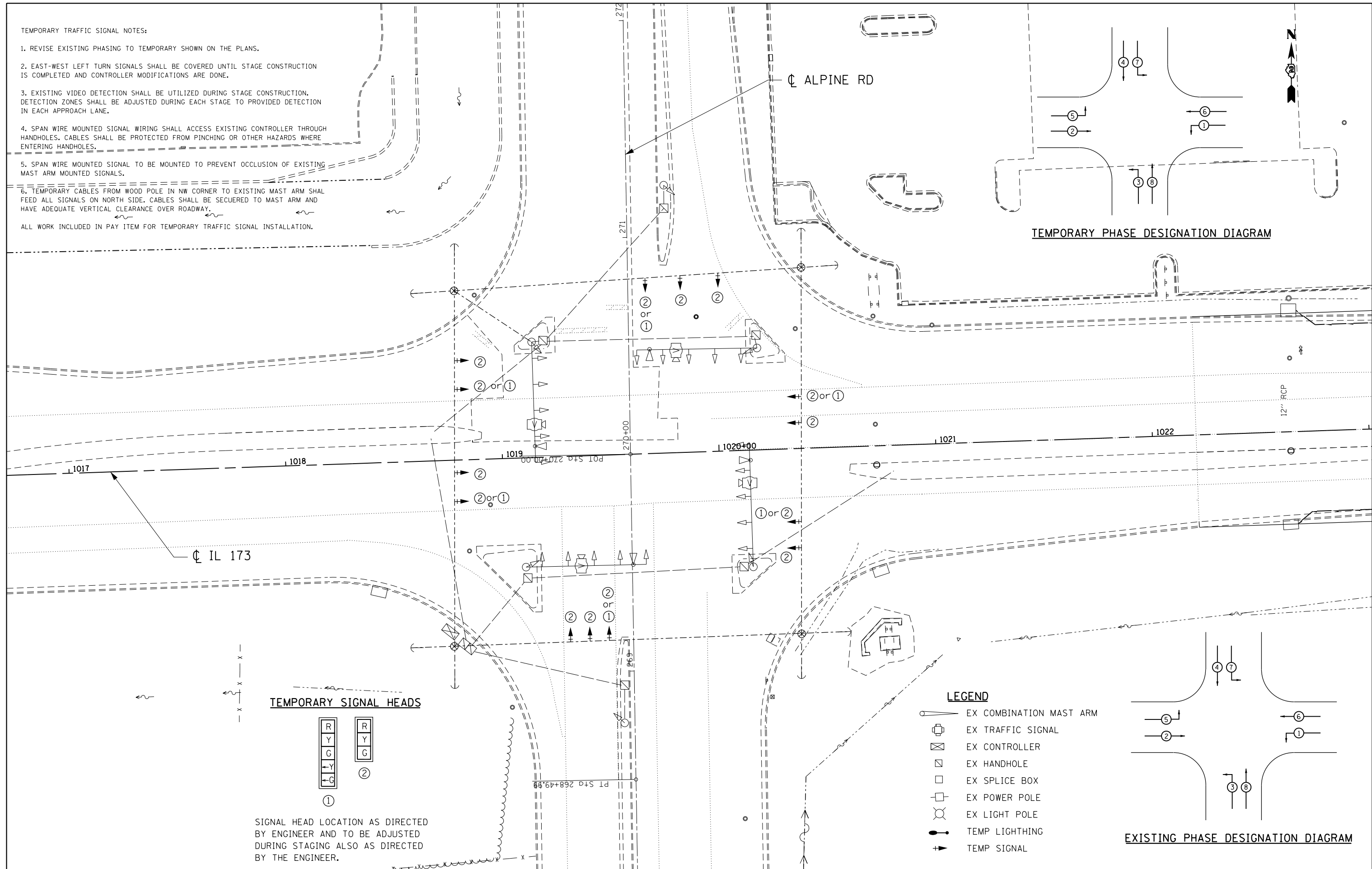
LEGEND

- EX COMBINATION MAST ARM
- EX TRAFFIC SIGNAL
- EX CONTROLLER
- EX HANDHOLE
- EX SPLICE BOX
- EX POWER POLE
- EX LIGHT POLE
- TEMP LIGHTING
- TEMP SIGNAL

TEMPORARY SIGNAL HEADS



SIGNAL HEAD LOCATION AS DIRECTED BY ENGINEER AND TO BE ADJUSTED DURING STAGING ALSO AS DIRECTED BY THE ENGINEER.



USER NAME = Tony	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - THW	REVISED -
PLOT DATE = 7/22/2013	DATE - 4.30 2013	REVISED -

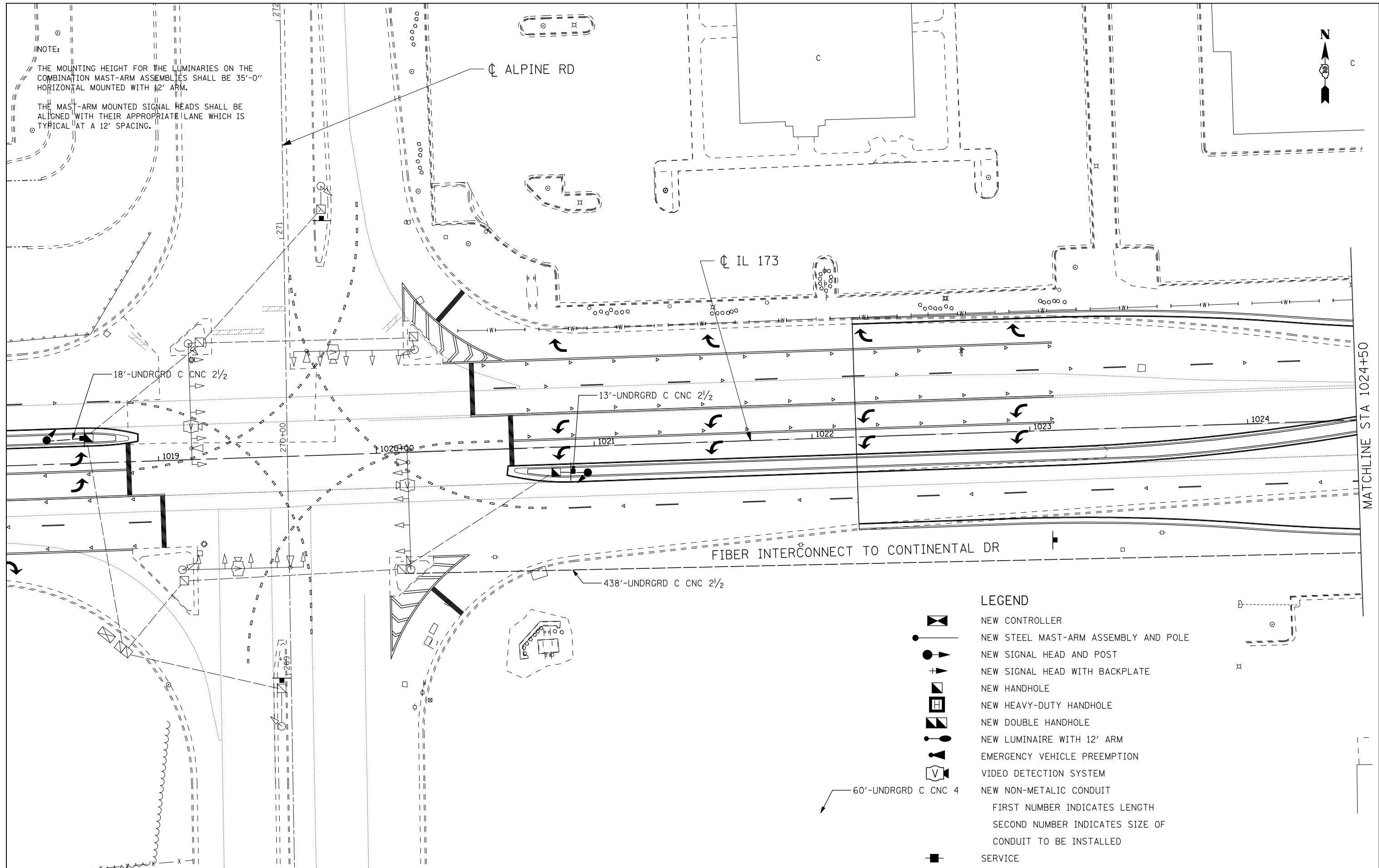
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING & TEMPORARY SIGNAL PLANS  
IL RTE 173 & ALPINE ROAD

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	646
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

NOTE:  
 THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.  
 THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



**LEGEND**

- NEW CONTROLLER
  - NEW STEEL MAST-ARM ASSEMBLY AND POLE
  - NEW SIGNAL HEAD AND POST
  - NEW SIGNAL HEAD WITH BACKPLATE
  - NEW HANDHOLE
  - NEW HEAVY-DUTY HANDHOLE
  - NEW DOUBLE HANDHOLE
  - NEW LUMINAIRE WITH 12' ARM
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM
  - NEW NON-METALIC CONDUIT
  - SERVICE
- FIRST NUMBER INDICATES LENGTH  
 SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED

**FUHRMANN**  
 ENGINEERING INC.  
 CIVIL ENGINEERS/LAND SURVEYORS  
 2862 South 11th Street  
 Springfield, Illinois 62708

USER NAME = #USER#	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE#	CHECKED - THW	REVISED -
PLOT DATE = #DATE#	DATE - 4.30 2013	REVISED -

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






**PROPOSED SIGNAL PLANS**  
**IL RTE 173 & ALPINE ROAD**

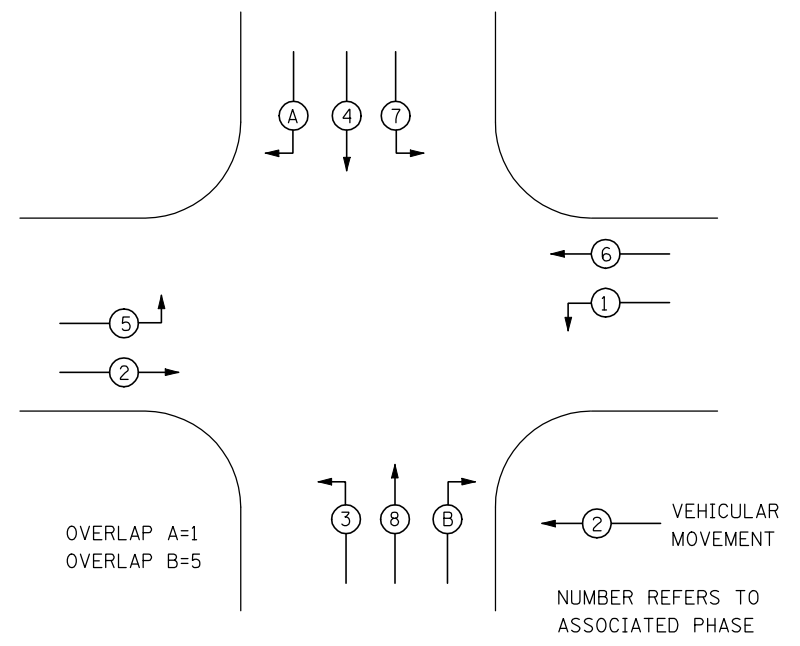
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	647
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT

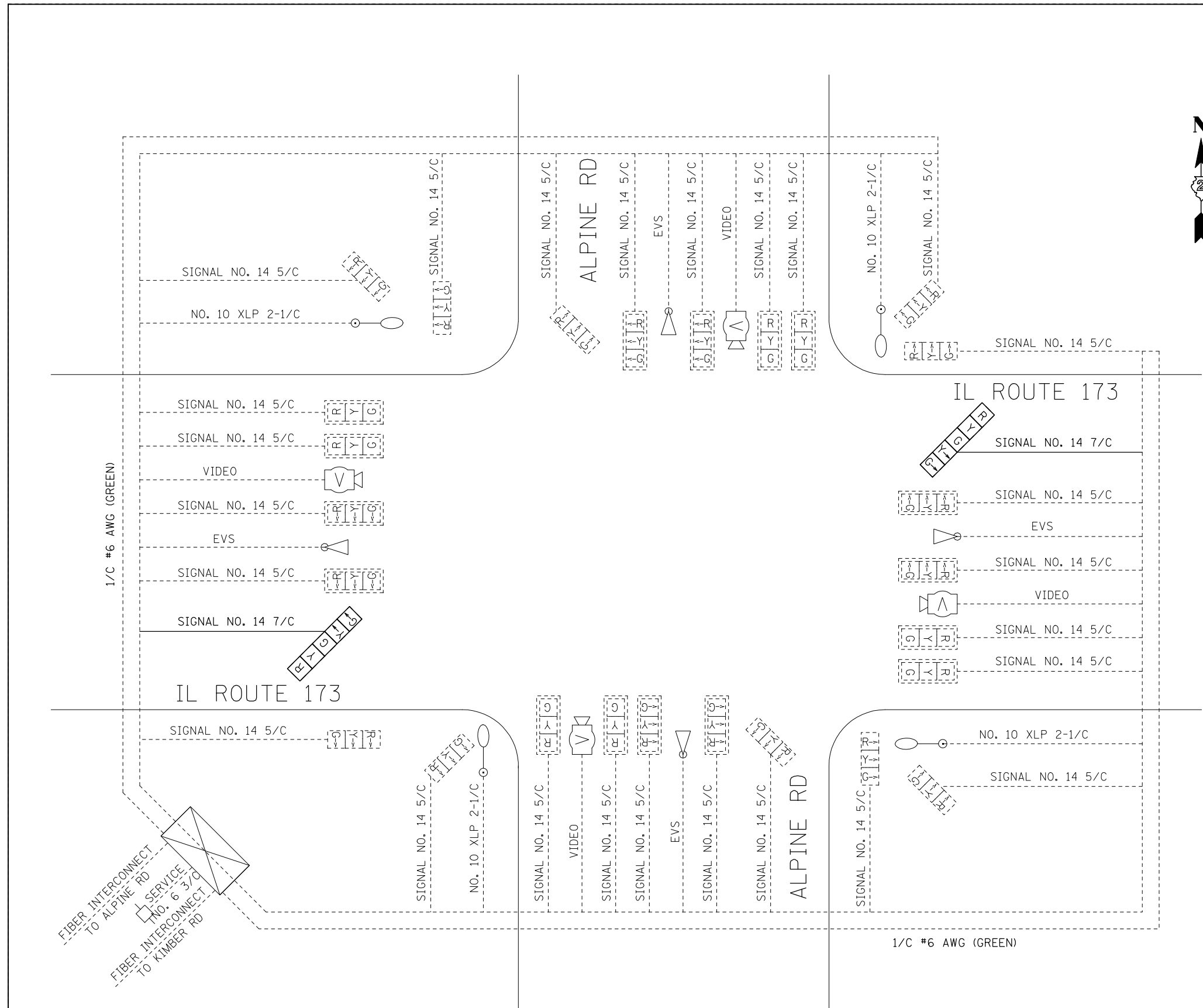
**LEGEND**

-  INDICATES NUMBER OF NEW CONTROLLERS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
-  NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
-  LUMINAIRES, 400 WATT
-  EMERGENCY VEHICLE PREEMPTION
-  VIDEO DETECTION SYSTEM

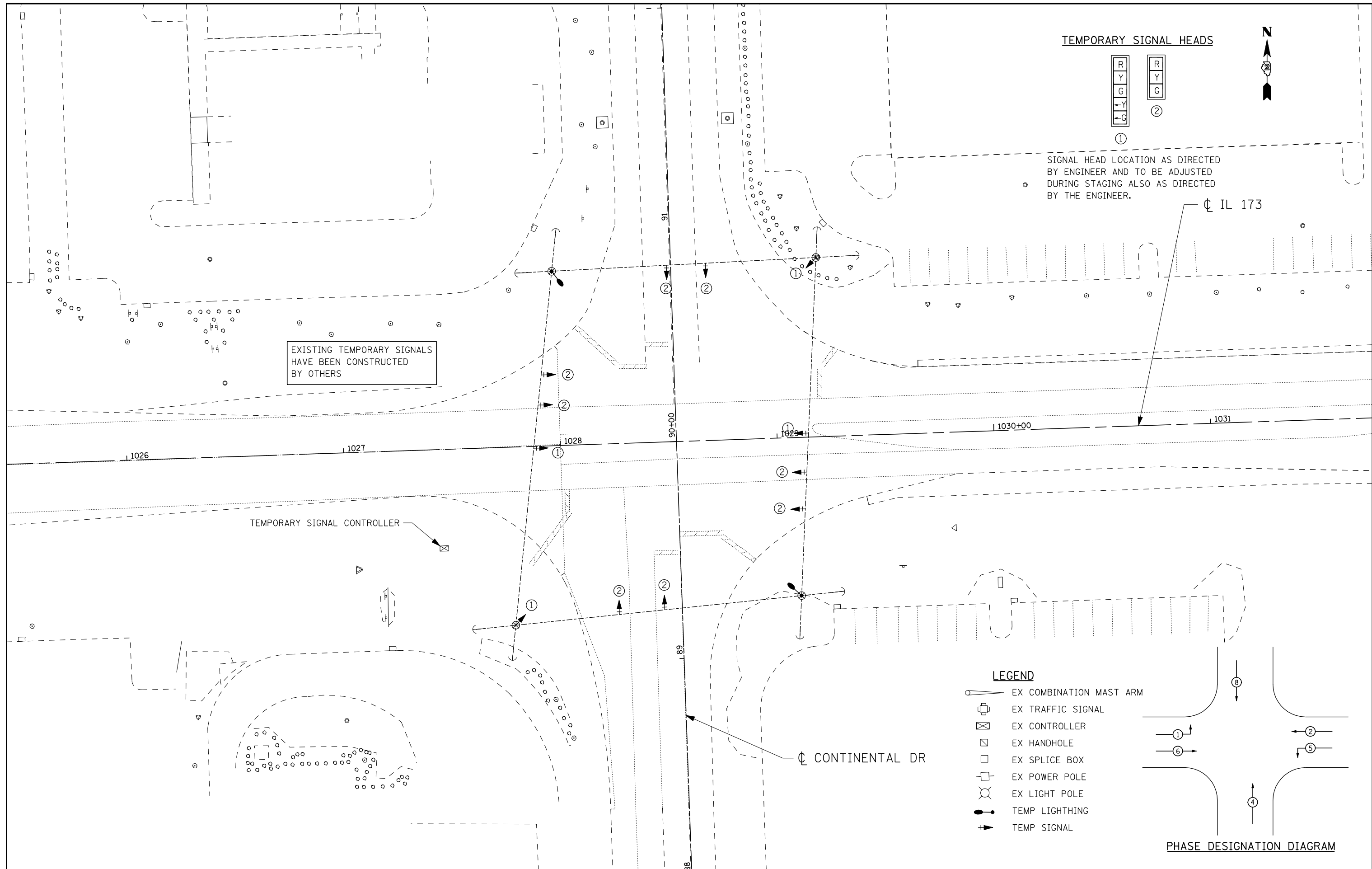


**PROPOSED PHASE DESIGNATION DIAGRAM**  
REFER TO STANDARD 857001

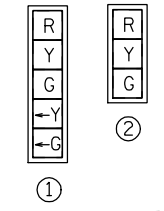
DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	B	NB RIGHT TURN
B	8	NB PRESENCE
C	3	NB LEFT TURN
D	6	WB PRESENCE
E	1	WB LEFT TURN
F	A	SB RIGHT TURN
G	4	SB PRESENCE
H	7	SB LEFT TURN
I	2	EB PRESENCE
J	5	EB LEFT TURN







**TEMPORARY SIGNAL HEADS**



SIGNAL HEAD LOCATION AS DIRECTED BY ENGINEER AND TO BE ADJUSTED DURING STAGING ALSO AS DIRECTED BY THE ENGINEER.

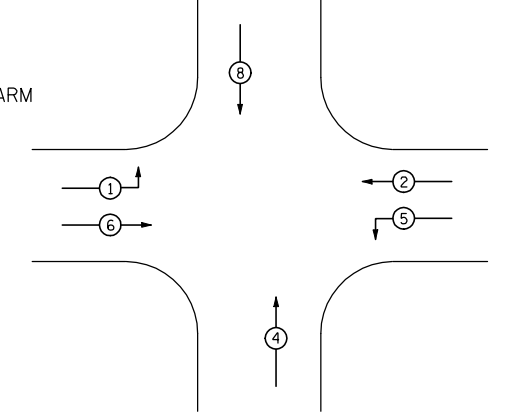
EXISTING TEMPORARY SIGNALS HAVE BEEN CONSTRUCTED BY OTHERS

TEMPORARY SIGNAL CONTROLLER

CONTINENTAL DR

**LEGEND**

- EX COMBINATION MAST ARM
- EX TRAFFIC SIGNAL
- EX CONTROLLER
- EX HANDHOLE
- EX SPLICE BOX
- EX POWER POLE
- EX LIGHT POLE
- TEMP LIGHTING
- TEMP SIGNAL



**PHASE DESIGNATION DIAGRAM**



USER NAME = #USER*	DESIGNED - JAF	REVISED -
PLOT SCALE = #SCALE*	DRAWN - JAF	REVISED -
PLOT DATE = #DATE*	CHECKED - THW	REVISED -
	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING & TEMPORARY SIGNAL PLAN  
IL RTE. 173 & CONTINENTAL DR.**

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

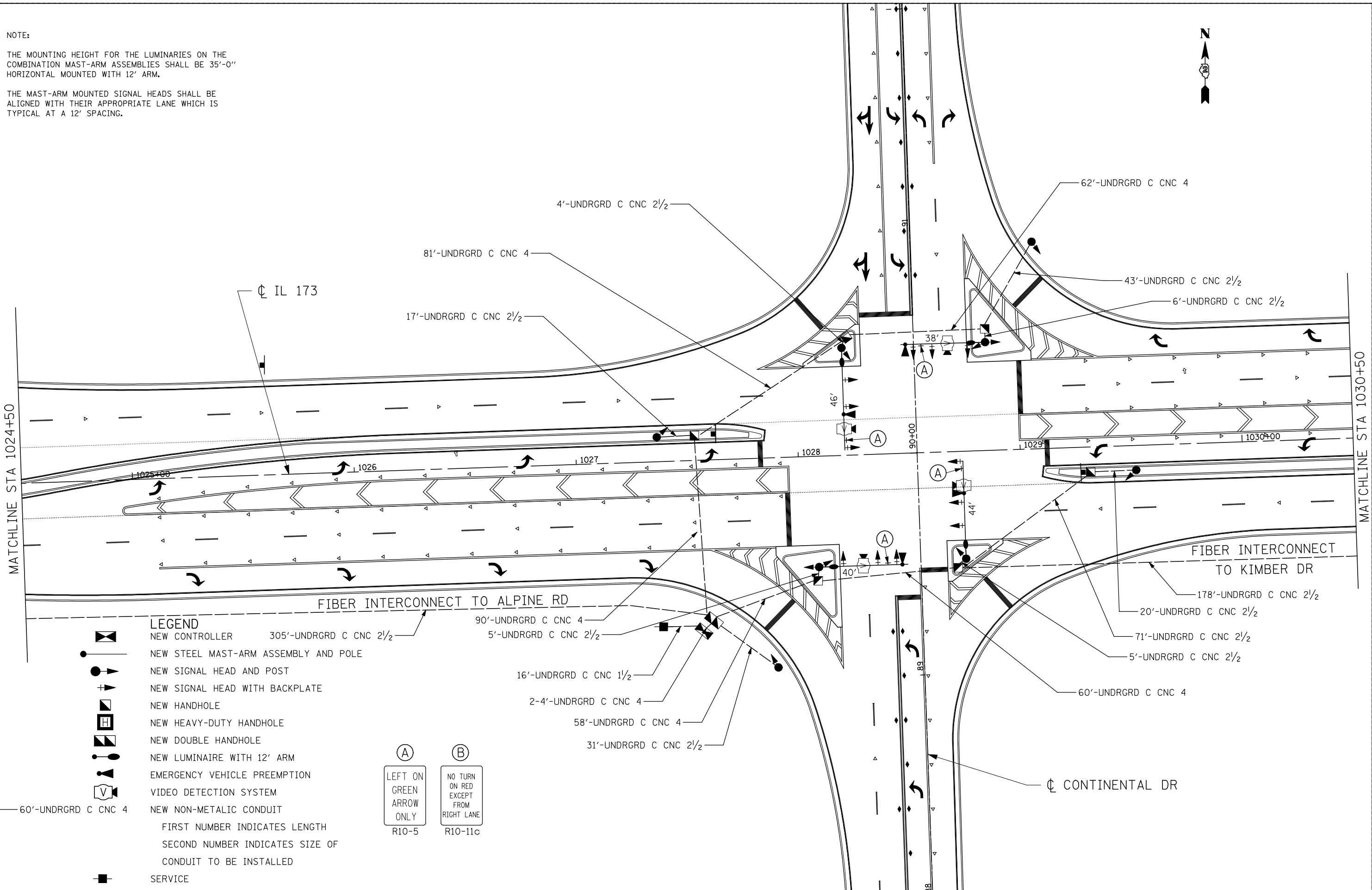
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	649
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT

NOTE:

THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.

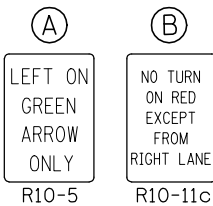
THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



LEGEND

- NEW CONTROLLER 305'-UNDRGRD C CNC 2 1/2
- NEW STEEL MAST-ARM ASSEMBLY AND POLE
- NEW SIGNAL HEAD AND POST
- NEW SIGNAL HEAD WITH BACKPLATE
- NEW HANDHOLE
- NEW HEAVY-DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- NEW LUMINAIRE WITH 12' ARM
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM
- NEW NON-METALLIC CONDUIT
- SERVICE

FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED



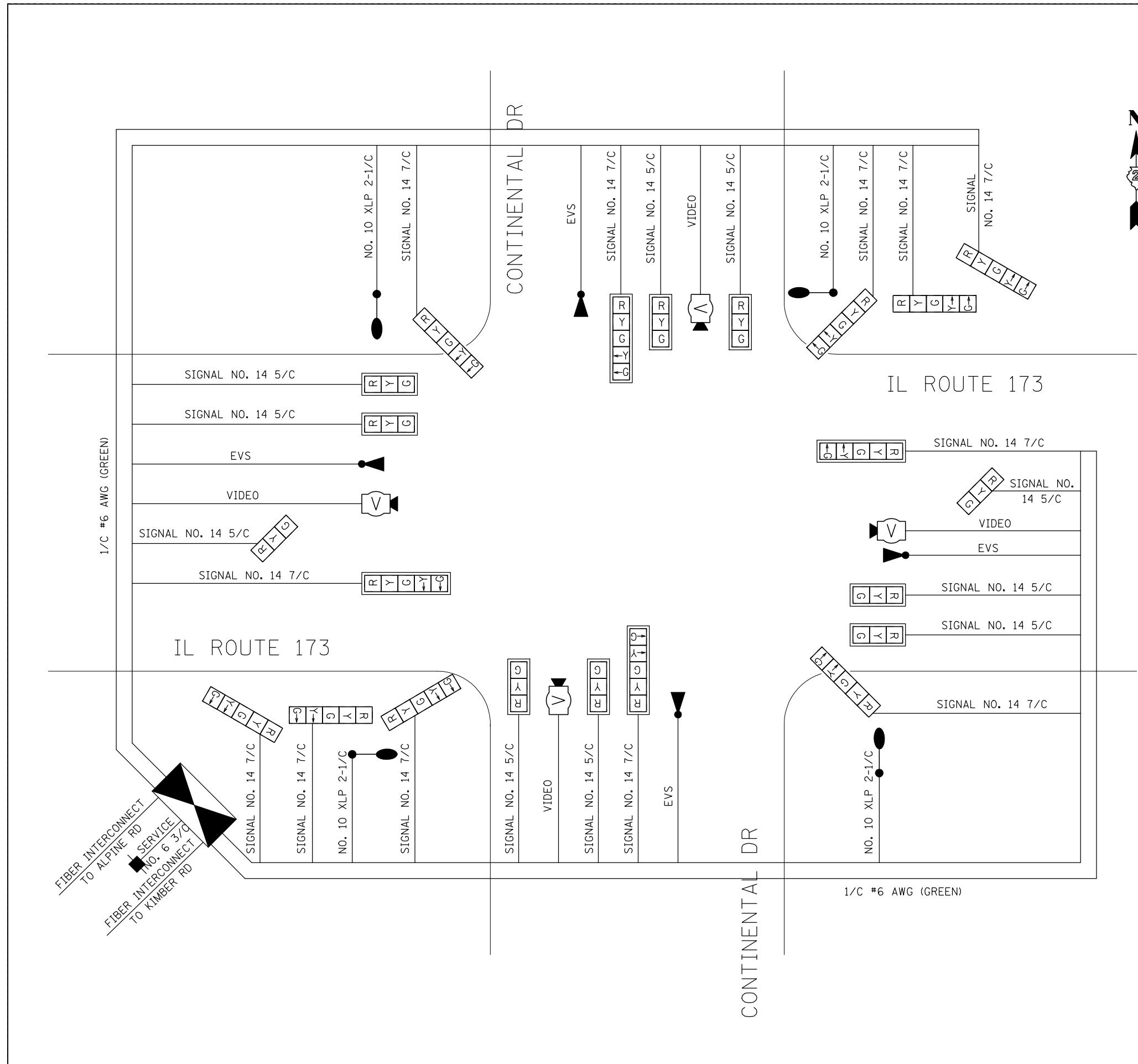
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	DRAWN - JAF	REVISED -
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PLOT DATE = #DATE#	DATE - 4.30 2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

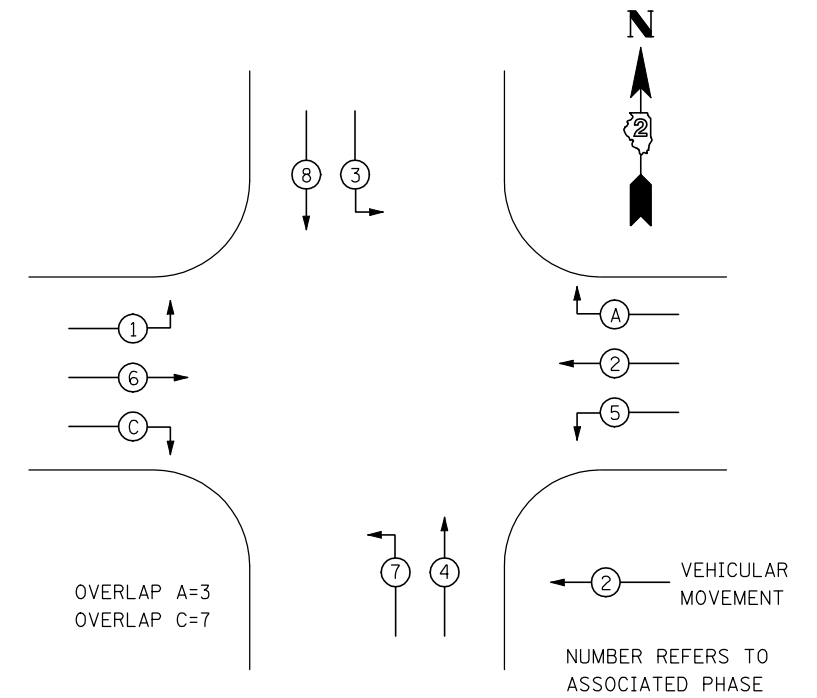
PROPOSED SIGNAL PLAN  
IL RTE 173 & CONTINENTAL DR.

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	650
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- INDICATES NUMBER OF NEW CONTROLLERS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
  - NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
  - LUMINAIRES, 400 WATT
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM



**PHASE DESIGNATION DIAGRAM**  
REFER TO STANDARD 857001

DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	4	NB PRESENCE
B	7	NB LEFT TURN
C	A	WB RIGHT TURN
D	2	WB PRESENCE
E	5	WB LEFT TURN
F	8	SB PRESENCE
G	3	SB LEFT TURN
H	C	EB RIGHT TURN
I	6	EB PRESENCE
J	1	EB LEFT TURN



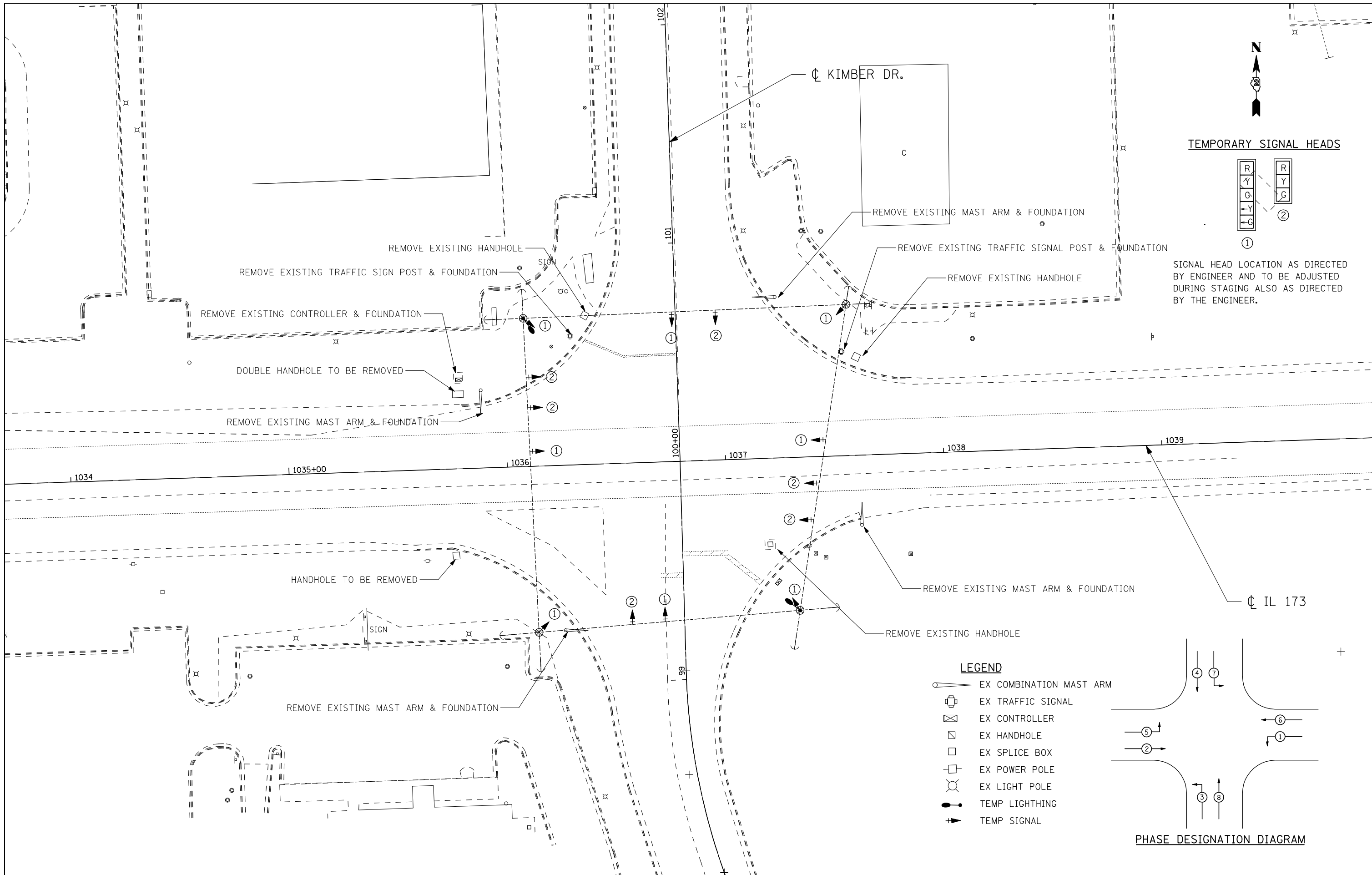
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	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE#	CHECKED - THW	REVISED -
PLOT DATE = #DATE#	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

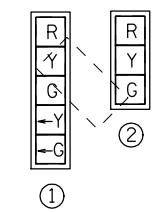
**PROPOSED CABLE DIAGRAM  
IL RTE 173 & CONTINENTAL DR.**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	651
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



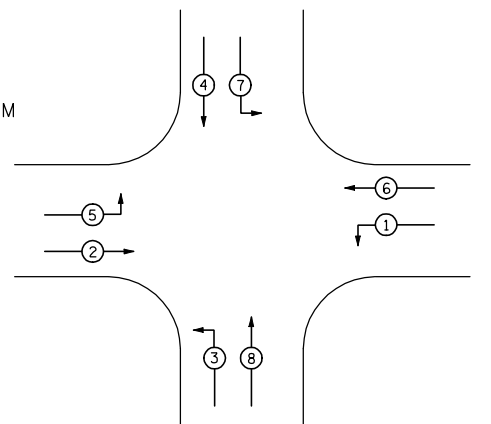
**TEMPORARY SIGNAL HEADS**



SIGNAL HEAD LOCATION AS DIRECTED BY ENGINEER AND TO BE ADJUSTED DURING STAGING ALSO AS DIRECTED BY THE ENGINEER.

**LEGEND**

- EX COMBINATION MAST ARM
- EX TRAFFIC SIGNAL
- EX CONTROLLER
- EX HANDHOLE
- EX SPLICE BOX
- EX POWER POLE
- EX LIGHT POLE
- TEMP LIGHTING
- TEMP SIGNAL



**PHASE DESIGNATION DIAGRAM**



USER NAME = #USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING & TEMPORARY SIGNAL PLANS  
IL RTE 173 & KIMBER DR.**

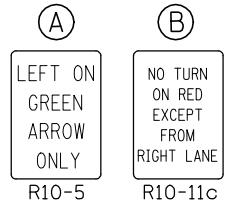
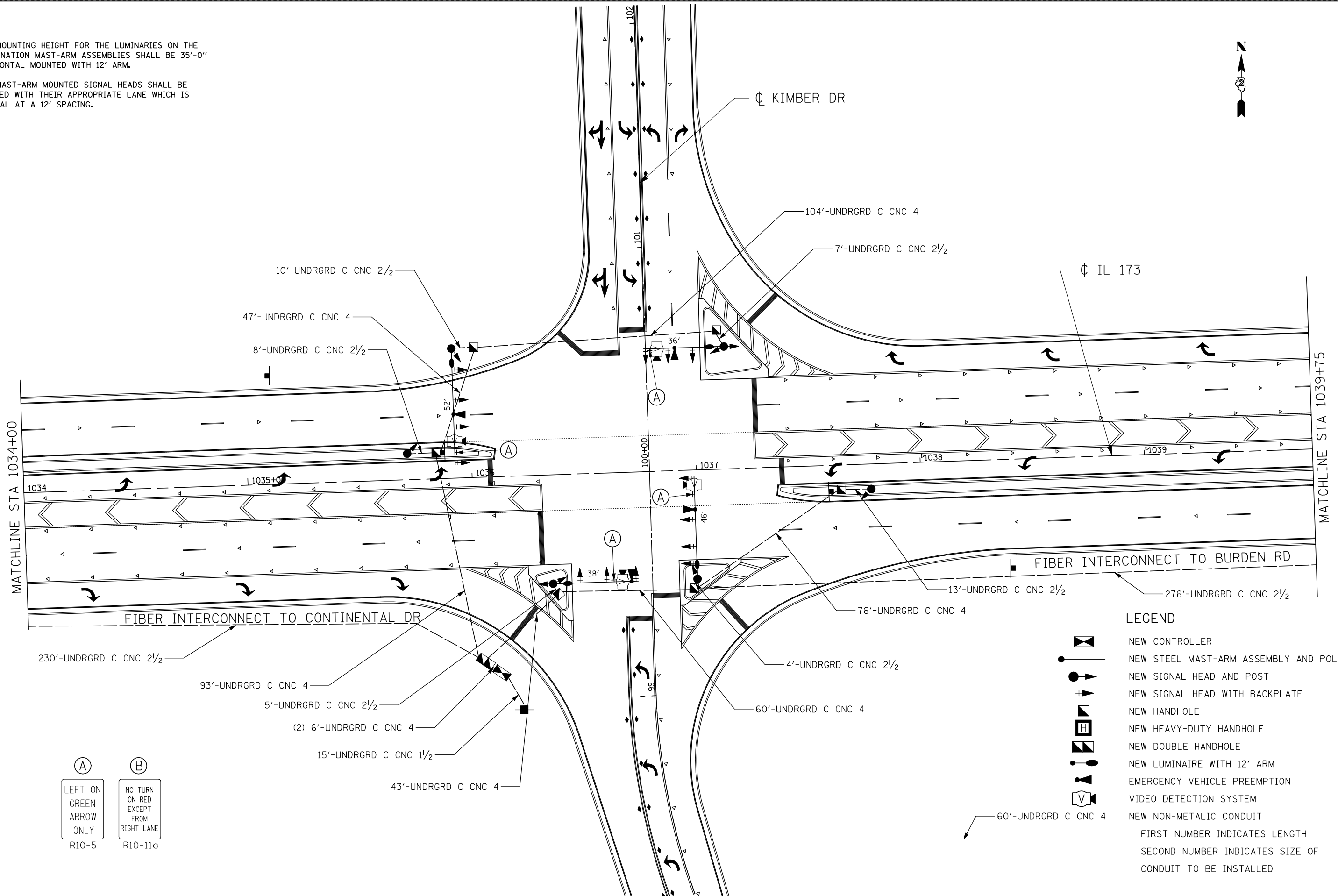
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	652
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

NOTE:

THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.

THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



**LEGEND**

	NEW CONTROLLER
	NEW STEEL MAST-ARM ASSEMBLY AND POLE
	NEW SIGNAL HEAD AND POST
	NEW SIGNAL HEAD WITH BACKPLATE
	NEW HANDHOLE
	NEW HEAVY-DUTY HANDHOLE
	NEW DOUBLE HANDHOLE
	NEW LUMINAIRE WITH 12' ARM
	EMERGENCY VEHICLE PREEMPTION
	VIDEO DETECTION SYSTEM
	NEW NON-METALLIC CONDUIT

FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED



USER NAME = #USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

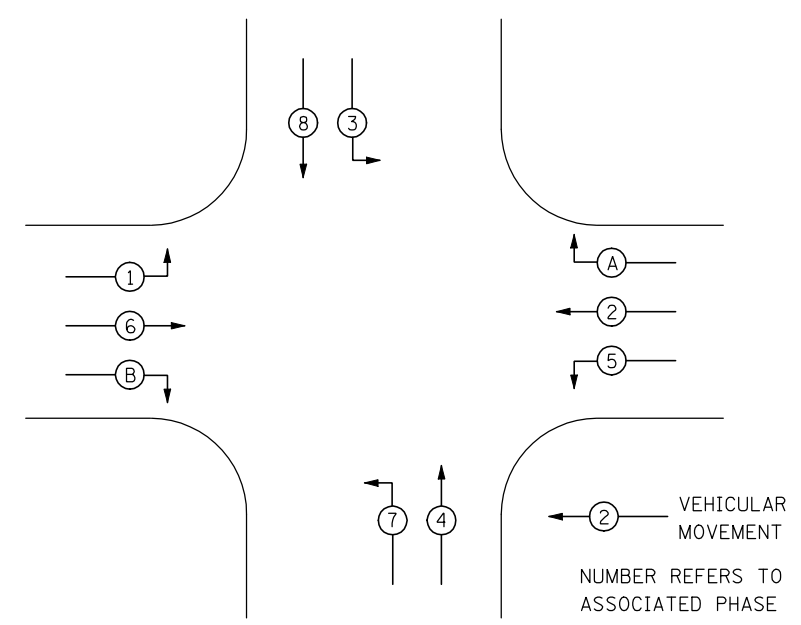
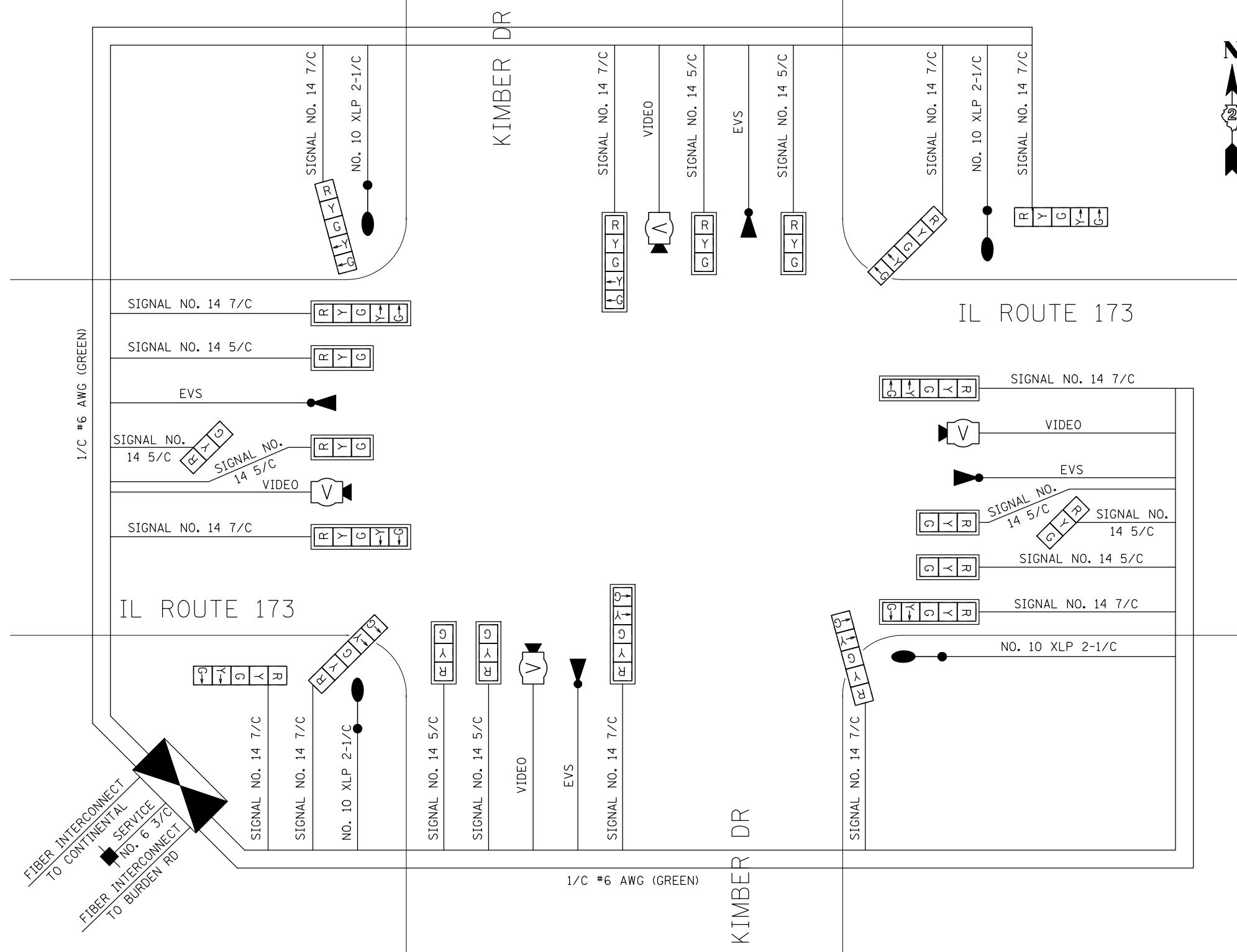
**PROPOSED SIGNAL PLANS  
IL RTE 173 & KIMBER DR.**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	653
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

**LEGEND**

- ← ② INDICATES NUMBER OF NEW CONTROLLERS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
- NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
- LUMINAIRES, 400 WATT
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM



**PHASE DESIGNATION DIAGRAM**  
REFER TO STANDARD 857001

DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	4	NB PRESENCE
B	7	NB LEFT TURN
C	A	WB RIGHT TURN
D	2	WB PRESENCE
E	5	WB LEFT TURN
F	8	SB PRESENCE
G	3	SB LEFT TURN
H	B	EB RIGHT TURN
I	6	EB PRESENCE
J	1	EB LEFT TURN



USER NAME = #USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

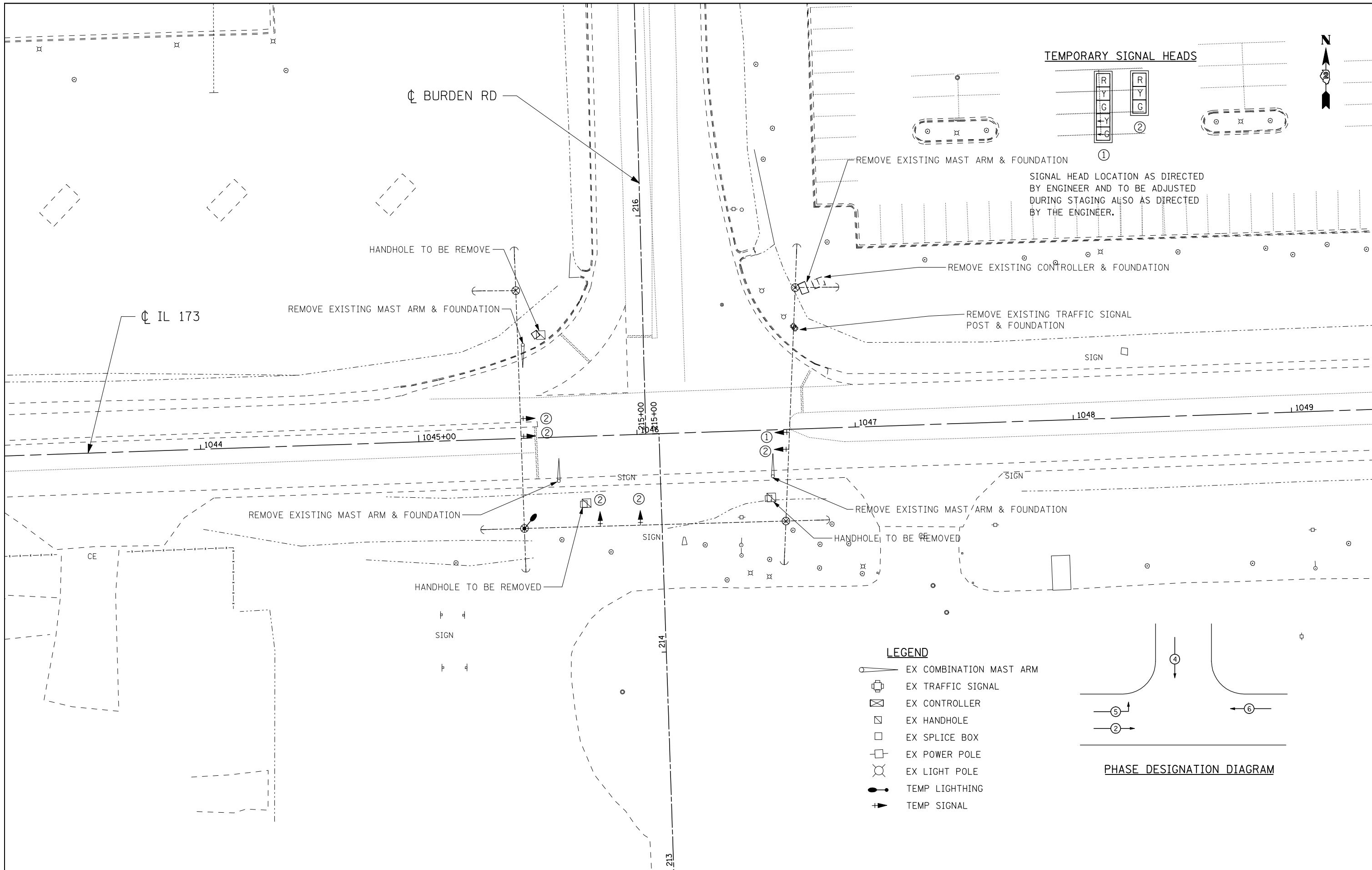
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CABLE DIAGRAM  
IL RTE 173 & KIMBER DR.**

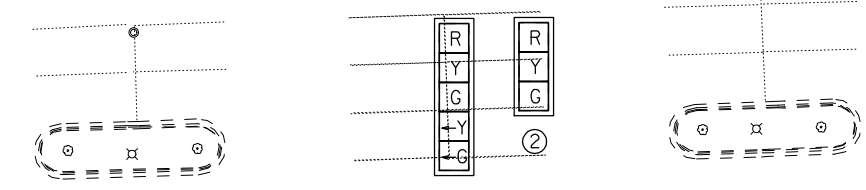
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	654
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT



**TEMPORARY SIGNAL HEADS**



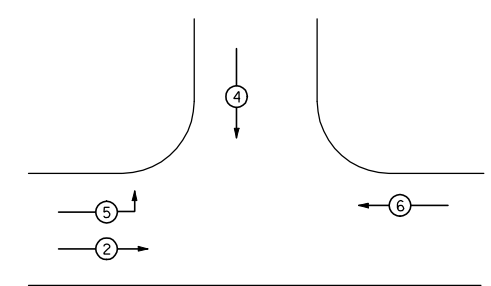
SIGNAL HEAD LOCATION AS DIRECTED BY ENGINEER AND TO BE ADJUSTED DURING STAGING ALSO AS DIRECTED BY THE ENGINEER.

REMOVE EXISTING MAST ARM & FOUNDATION  
 REMOVE EXISTING CONTROLLER & FOUNDATION  
 REMOVE EXISTING TRAFFIC SIGNAL POST & FOUNDATION

HANDHOLE TO BE REMOVE  
 REMOVE EXISTING MAST ARM & FOUNDATION

REMOVE EXISTING MAST ARM & FOUNDATION  
 HANDHOLE TO BE REMOVED

- LEGEND**
- EX COMBINATION MAST ARM
  - EX TRAFFIC SIGNAL
  - EX CONTROLLER
  - EX HANDHOLE
  - EX SPLICE BOX
  - EX POWER POLE
  - EX LIGHT POLE
  - TEMP LIGHTING
  - TEMP SIGNAL



**PHASE DESIGNATION DIAGRAM**



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

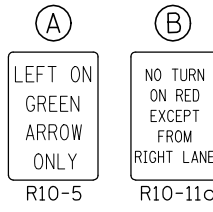
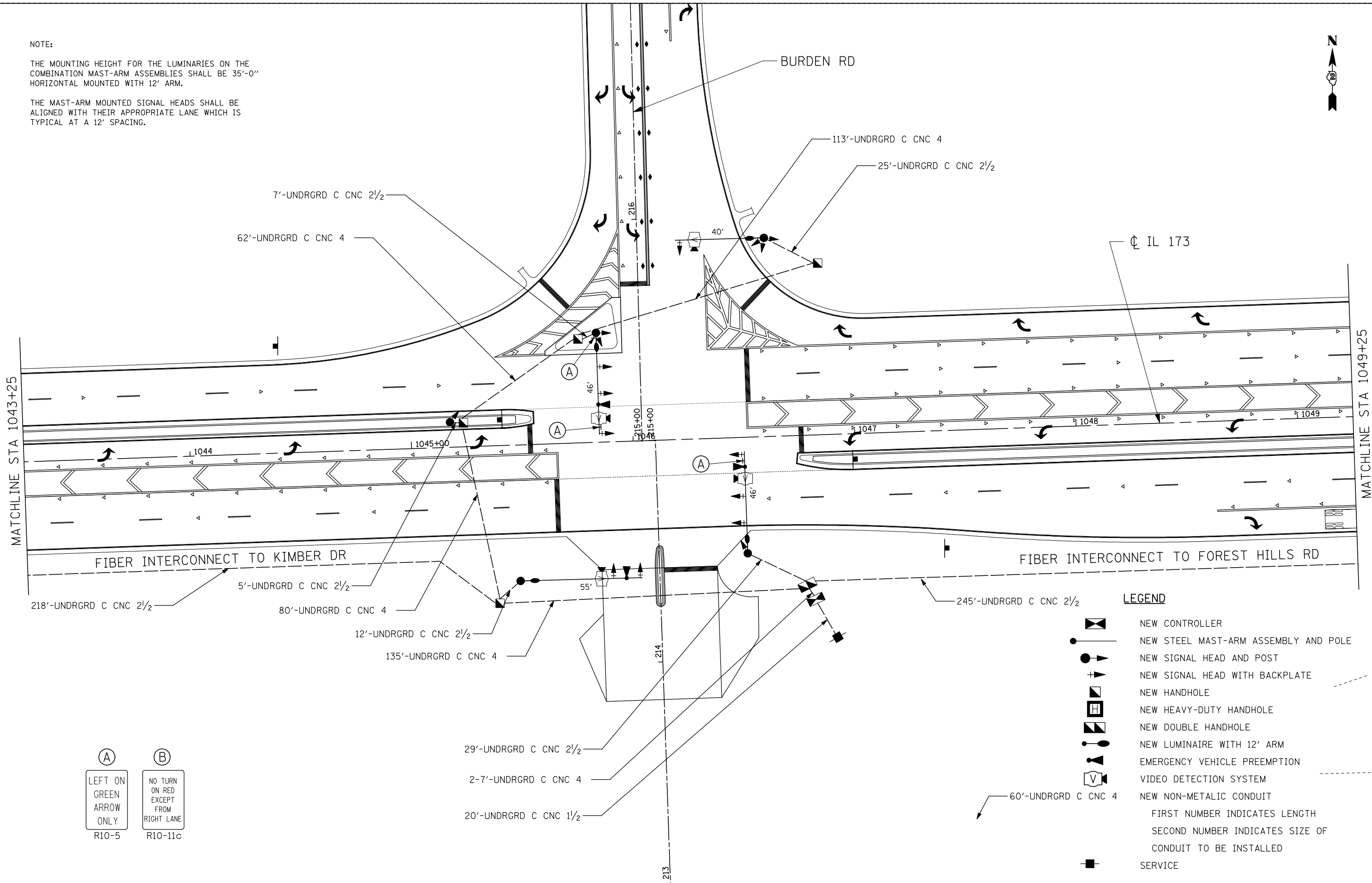
<b>EXISTING &amp; TEMPORARY SIGNAL PLAN</b>	
<b>IL RTE 173 &amp; BURDEN ROAD</b>	
SCALE:	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	655
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

NOTE:

THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.

THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



LEGEND

- NEW CONTROLLER
- NEW STEEL MAST-ARM ASSEMBLY AND POLE
- NEW SIGNAL HEAD AND POST
- NEW SIGNAL HEAD WITH BACKPLATE
- NEW HANDHOLE
- NEW HEAVY-DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- NEW LUMINAIRE WITH 12' ARM
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM
- NEW NON-METALLIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED
- SERVICE



USER NAME = #USER*	DESIGNED - JAF	REVISED -
DRAWN - JAF	REVISED -	
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

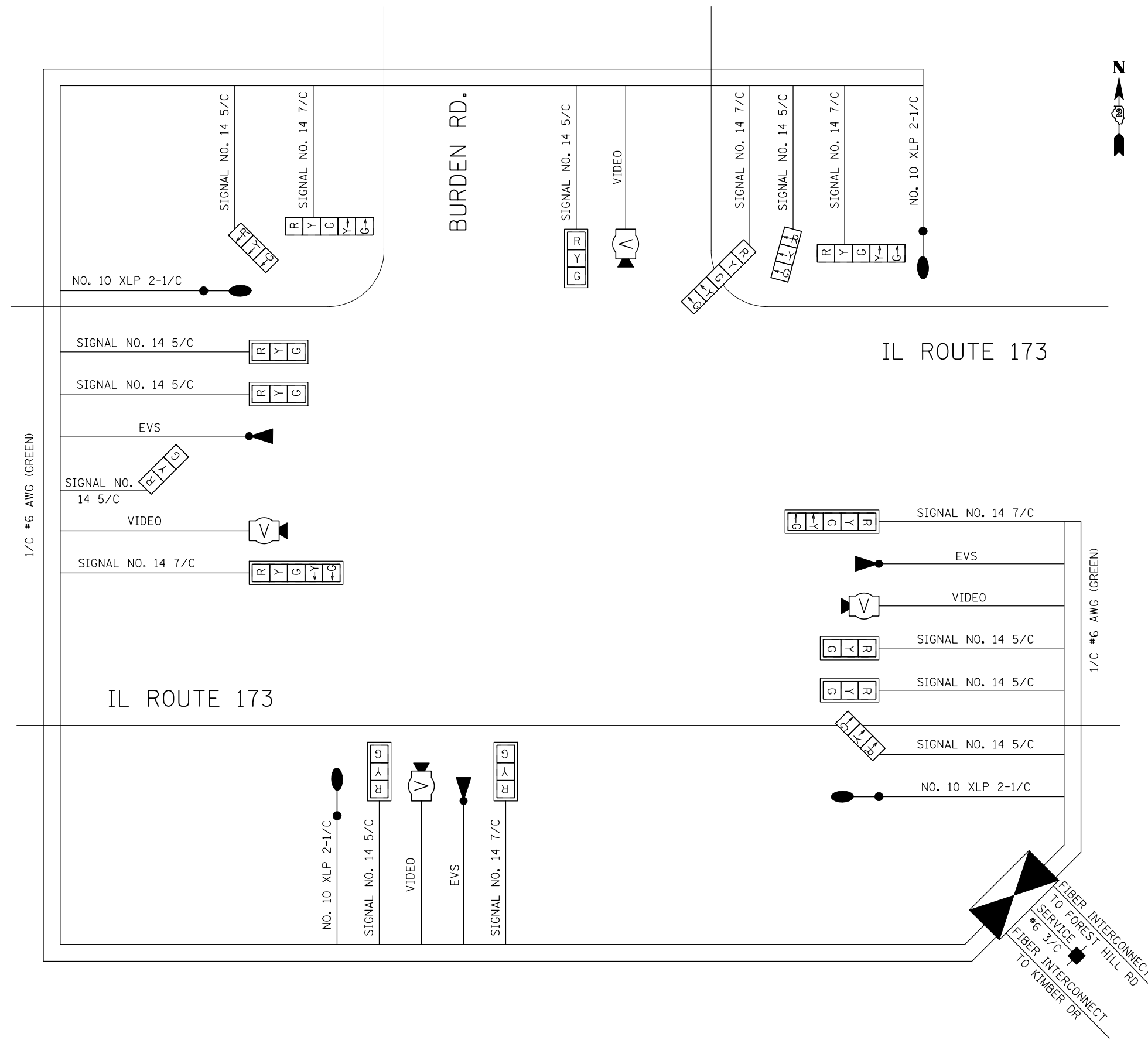
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL PLAN  
IL RTE 173 & BURDEN ROAD

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

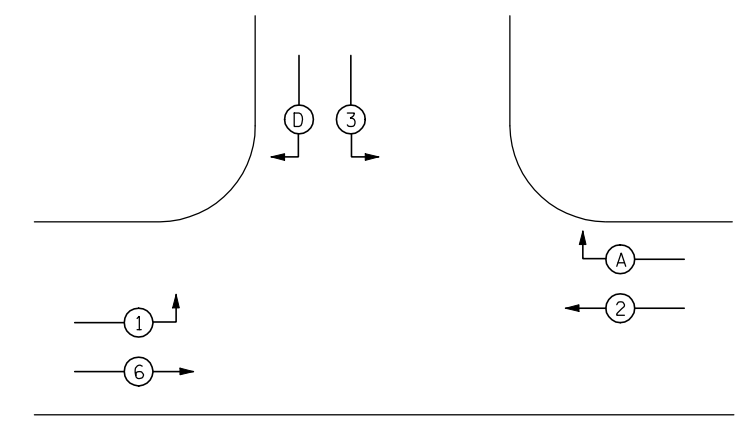
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	656
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				





**LEGEND**

- ← ② INDICATES NUMBER OF NEW CONTROLERS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
- [R Y G] NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
- LUMINAIRES, 400 WATT
- ▲ EMERGENCY VEHICLE PREEMPTION
- V VIDEO DETECTION SYSTEM



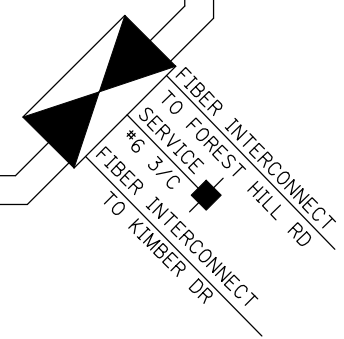
OVERLAP A=3  
OVERLAP D=1

← ② VEHICULAR MOVEMENT

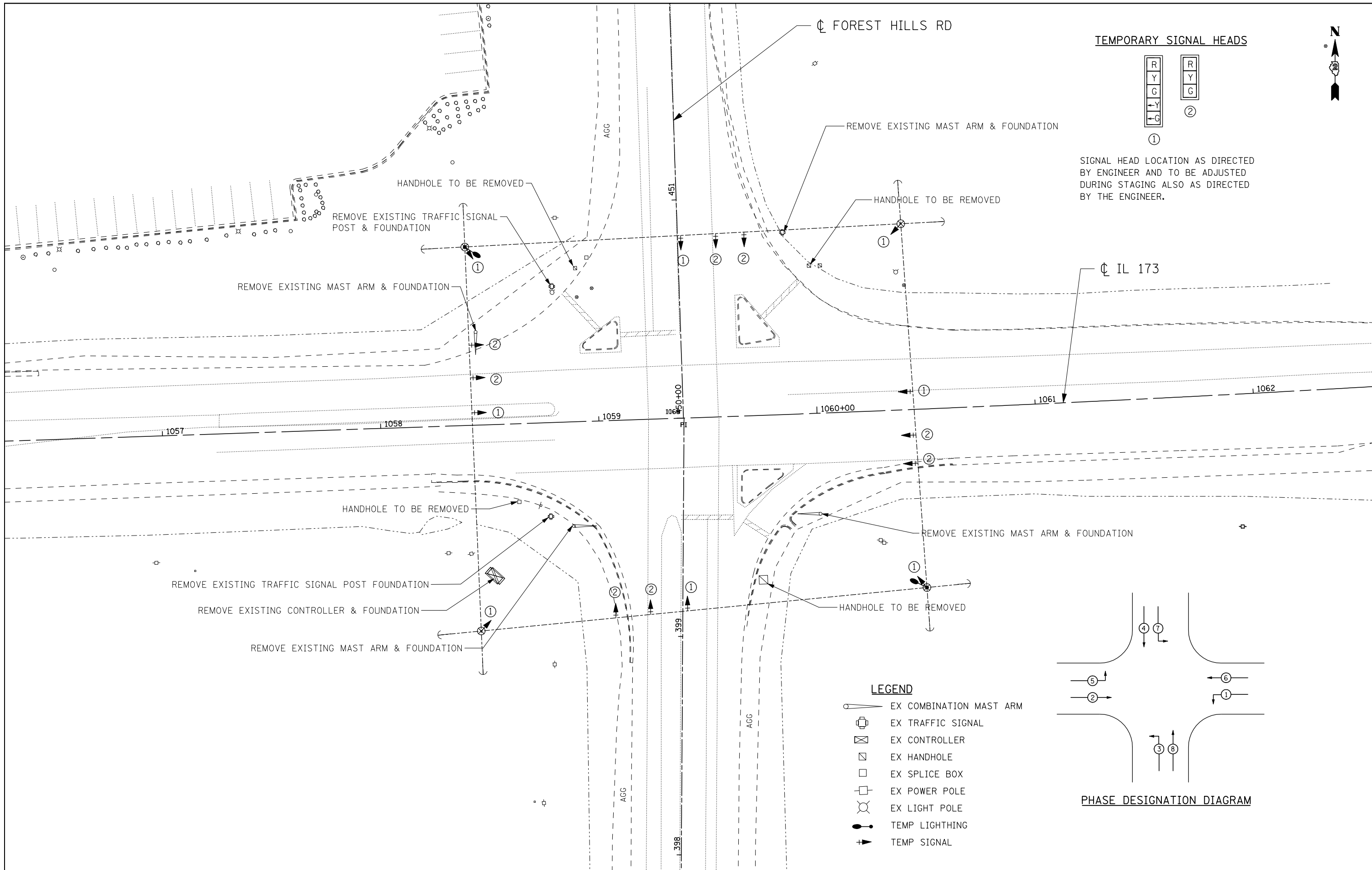
NUMBER REFERS TO ASSOCIATED PHASE

**PHASE DESIGNATION DIAGRAM**  
REFER TO STANDARD 857001

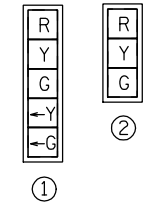
DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	A	WB RIGHT TURN
B	2	WB PRESENCE
C	D	SB RIGHT TURN
D	3	SB LEFT TURN
E	6	EB PRESENCE
F	1	EB LEFT TURN



USER NAME = #USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -



TEMPORARY SIGNAL HEADS

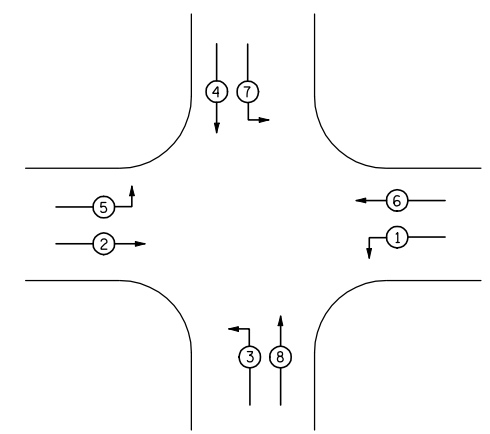


SIGNAL HEAD LOCATION AS DIRECTED BY ENGINEER AND TO BE ADJUSTED DURING STAGING ALSO AS DIRECTED BY THE ENGINEER.



LEGEND

- EX COMBINATION MAST ARM
- EX TRAFFIC SIGNAL
- EX CONTROLLER
- EX HANDHOLE
- EX SPLICE BOX
- EX POWER POLE
- EX LIGHT POLE
- TEMP LIGHTING
- TEMP SIGNAL



PHASE DESIGNATION DIAGRAM



USER NAME = #USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING & TEMPORARY SIGNAL PLAN  
IL RTE 173 & FOREST HILLS RD.

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

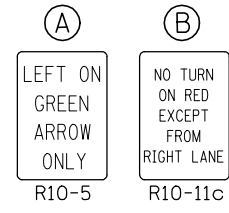
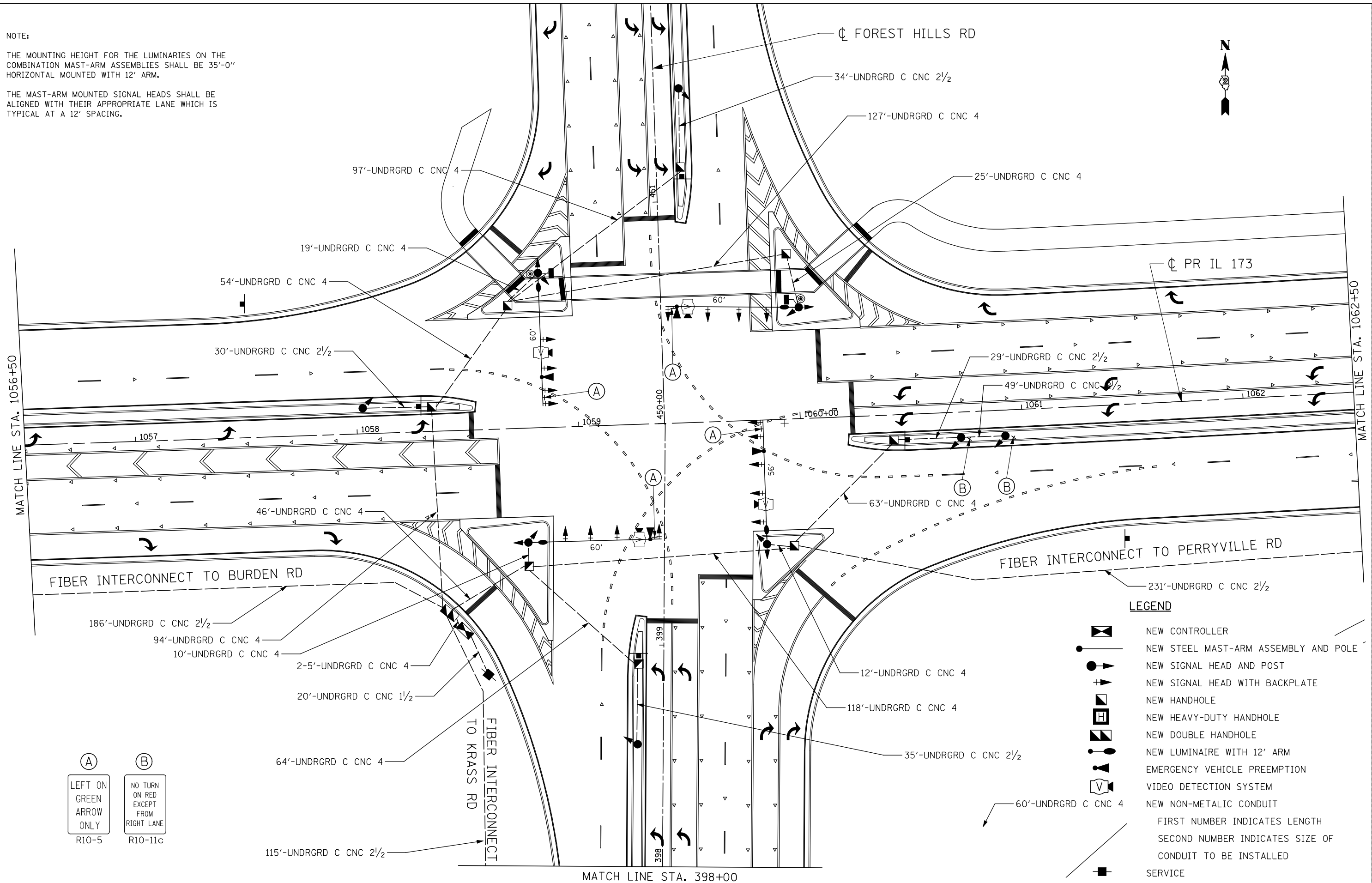
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	658
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT

NOTE:

THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.

THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



**LEGEND**

	NEW CONTROLLER
	NEW STEEL MAST-ARM ASSEMBLY AND POLE
	NEW SIGNAL HEAD AND POST
	NEW SIGNAL HEAD WITH BACKPLATE
	NEW HANDHOLE
	NEW HEAVY-DUTY HANDHOLE
	NEW DOUBLE HANDHOLE
	NEW LUMINAIRE WITH 12' ARM
	EMERGENCY VEHICLE PREEMPTION
	VIDEO DETECTION SYSTEM
	NEW NON-METALLIC CONDUIT
	SERVICE

FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED



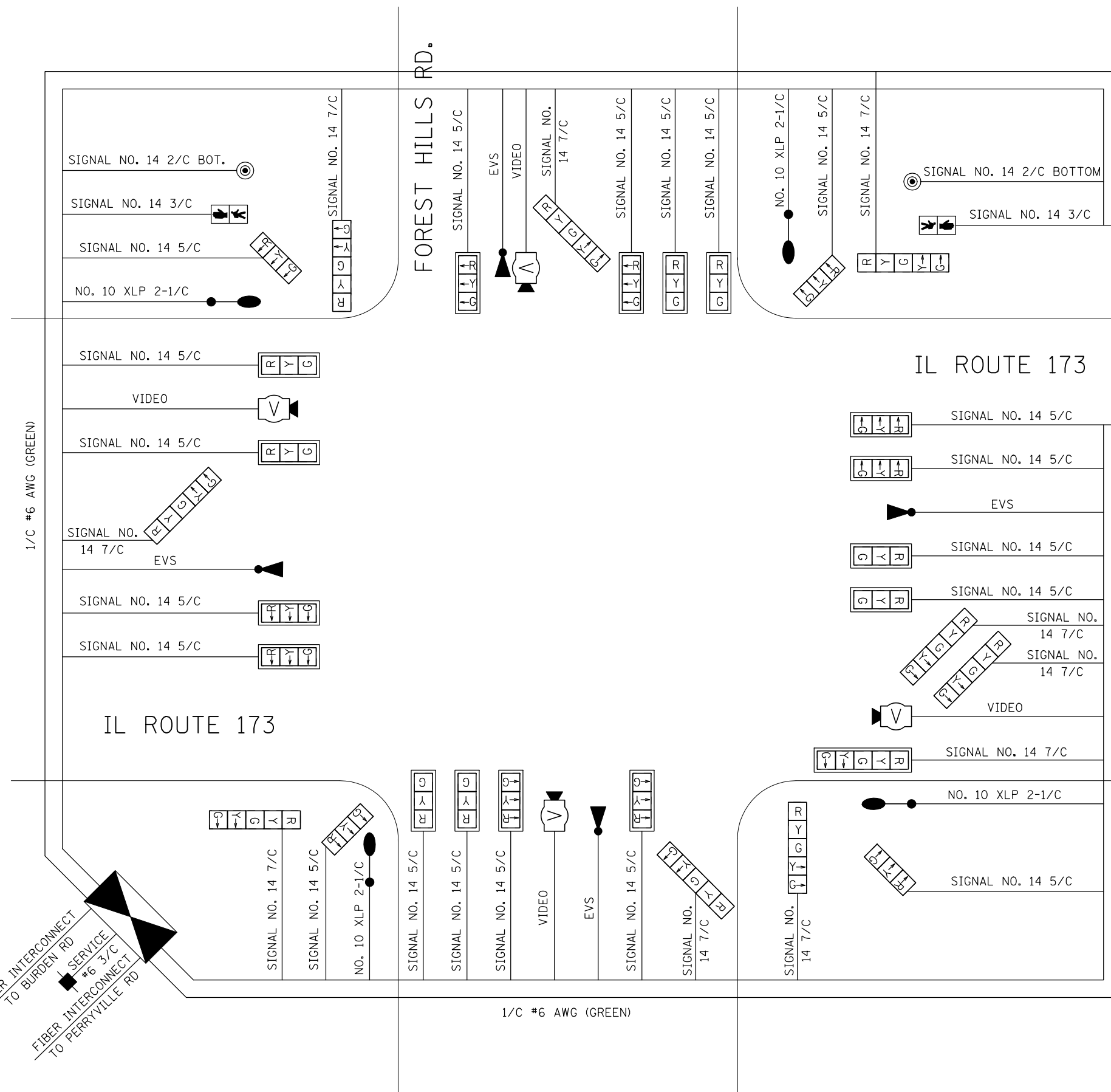
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PLOT SCALE = #SCALE*	DRAWN - JAF	REVISED -
PLOT DATE = #DATE*	CHECKED - THW	REVISED -
	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNAL PLAN  
IL RTE 173 & FOREST HILLS RD.**

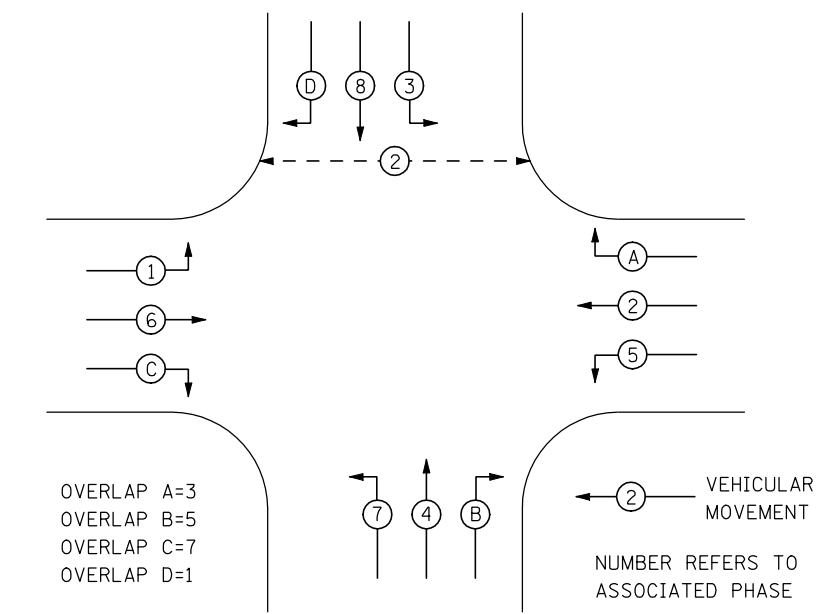
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	659
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- INDICATES NUMBER OF NEW CONTROLS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
- NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
- LUMINARES, 400 WATT
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM
- NEW PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BOTTOM
- PEDESTRIAN PHASE



**PHASE DESIGNATION DIAGRAM**  
REFER TO STANDARD 857001

DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	B	NB RIGHT TURN
B	4	NB PRESENCE
C	7	NB LEFT TURN
D	A	WB RIGHT TURN
E	2	WB PRESENCE
F	5	WB LEFT TURN
G	D	SB RIGHT TURN
H	8	SB PRESENCE
I	3	SB LEFT TURN
J	C	EB RIGHT TURN
K	6	EB PRESENCE
L	1	EB LEFT TURN



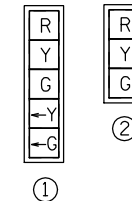
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	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

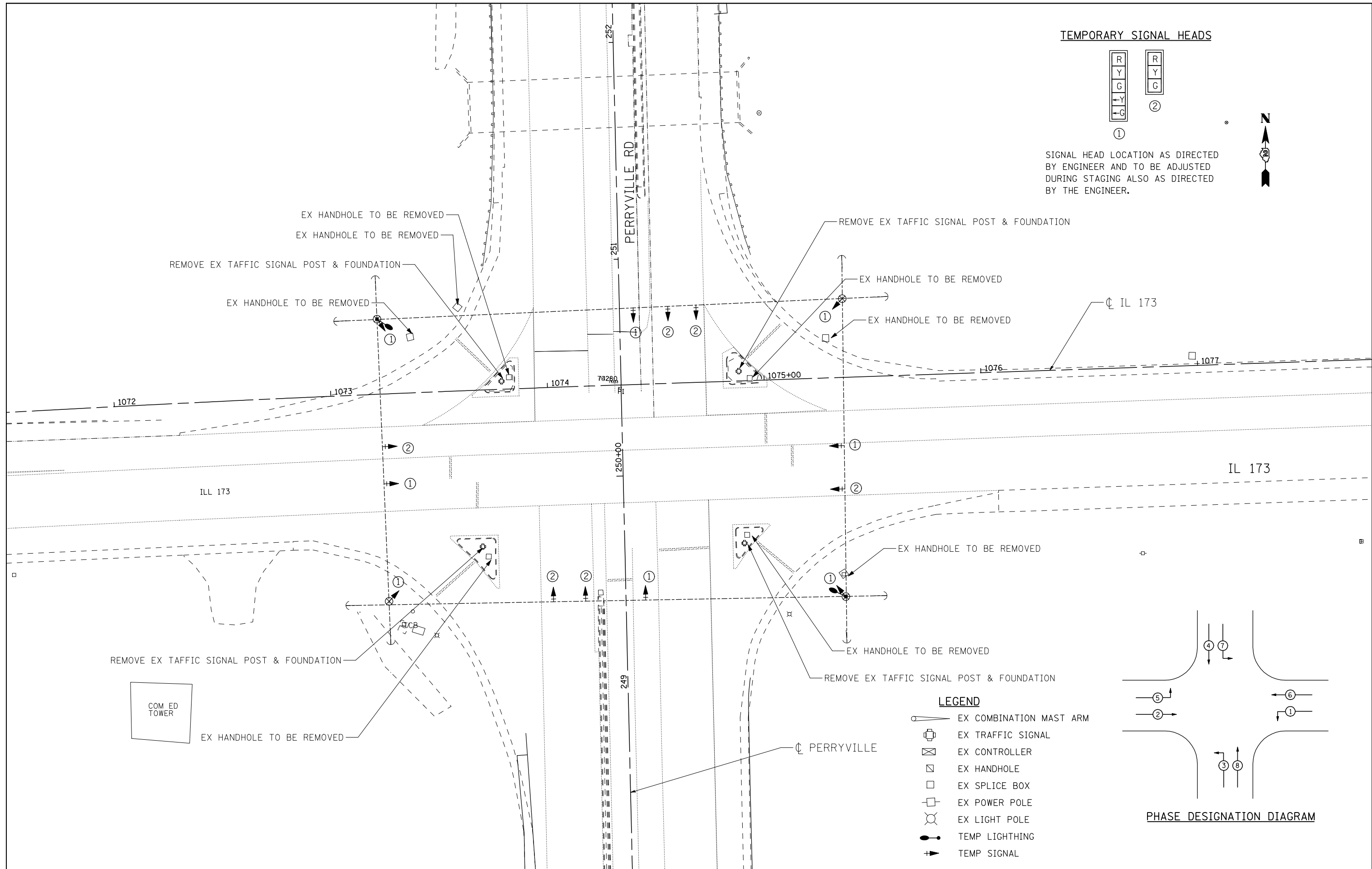
<b>CABLE DIAGRAM</b>			
<b>IL RTE 173 &amp; FOREST HILLS RD</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	660
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

**TEMPORARY SIGNAL HEADS**

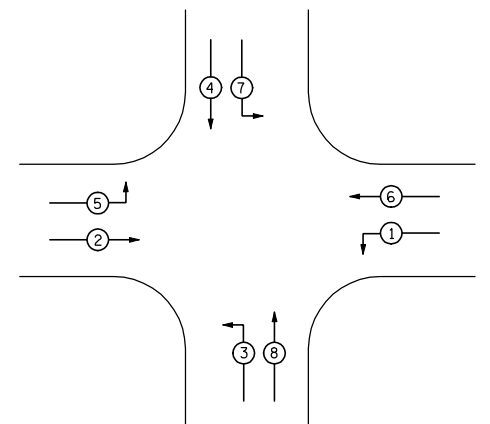


SIGNAL HEAD LOCATION AS DIRECTED BY ENGINEER AND TO BE ADJUSTED DURING STAGING ALSO AS DIRECTED BY THE ENGINEER.



**LEGEND**

- EX COMBINATION MAST ARM
- EX TRAFFIC SIGNAL
- EX CONTROLLER
- EX HANDHOLE
- EX SPLICE BOX
- EX POWER POLE
- EX LIGHT POLE
- TEMP LIGHTING
- TEMP SIGNAL



**PHASE DESIGNATION DIAGRAM**



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGNAL PLANS  
IL RTE 173 & PERRYVILLE RD**

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

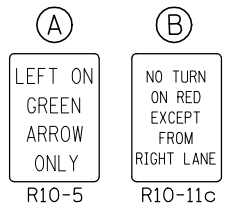
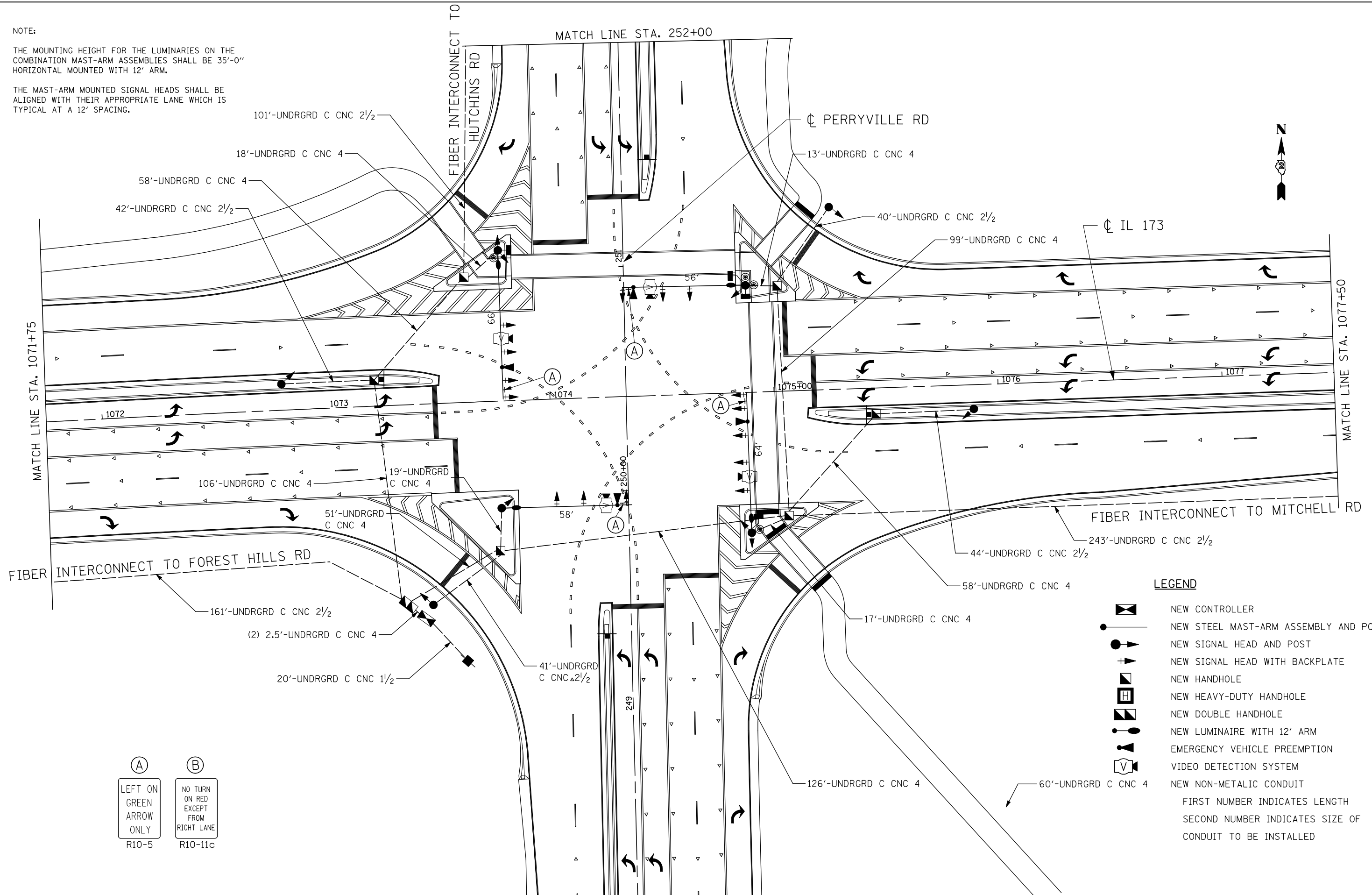
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	661
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT

NOTE:

THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.

THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



**LEGEND**

	NEW CONTROLLER
	NEW STEEL MAST-ARM ASSEMBLY AND POLE
	NEW SIGNAL HEAD AND POST
	NEW SIGNAL HEAD WITH BACKPLATE
	NEW HANDHOLE
	NEW HEAVY-DUTY HANDHOLE
	NEW DOUBLE HANDHOLE
	NEW LUMINAIRE WITH 12' ARM
	EMERGENCY VEHICLE PREEMPTION
	VIDEO DETECTION SYSTEM
	NEW NON-METALLIC CONDUIT

FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED



USER NAME = #USER#	DESIGNED - JAF	REVISED -
DRAWN - JAF	REVISOR -	
PLOT SCALE = #SCALE#	CHECKED - THW	REVISED -
PLOT DATE = #DATE#	DATE - 4.30 2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL PLANS  
IL RTE 173 & PERRYVILLE ROAD

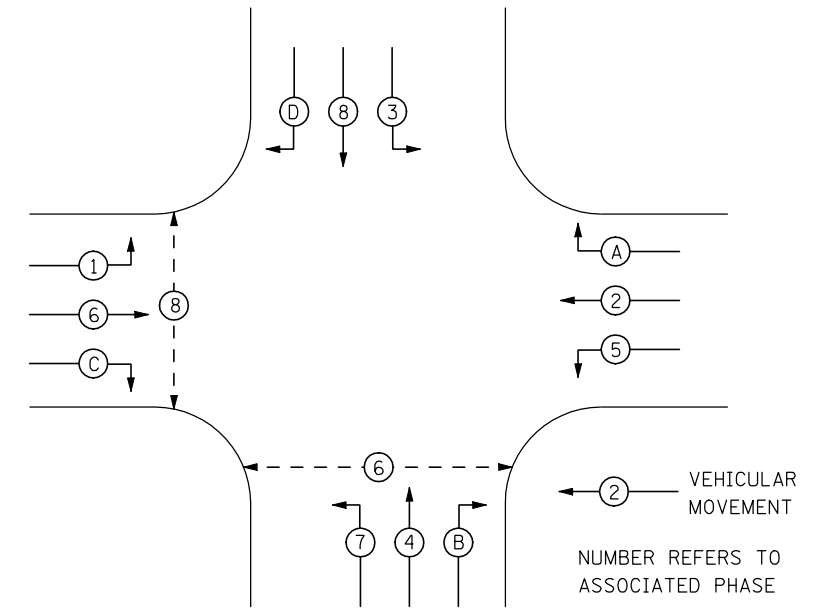
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	662
			CONTRACT NO. 64988	

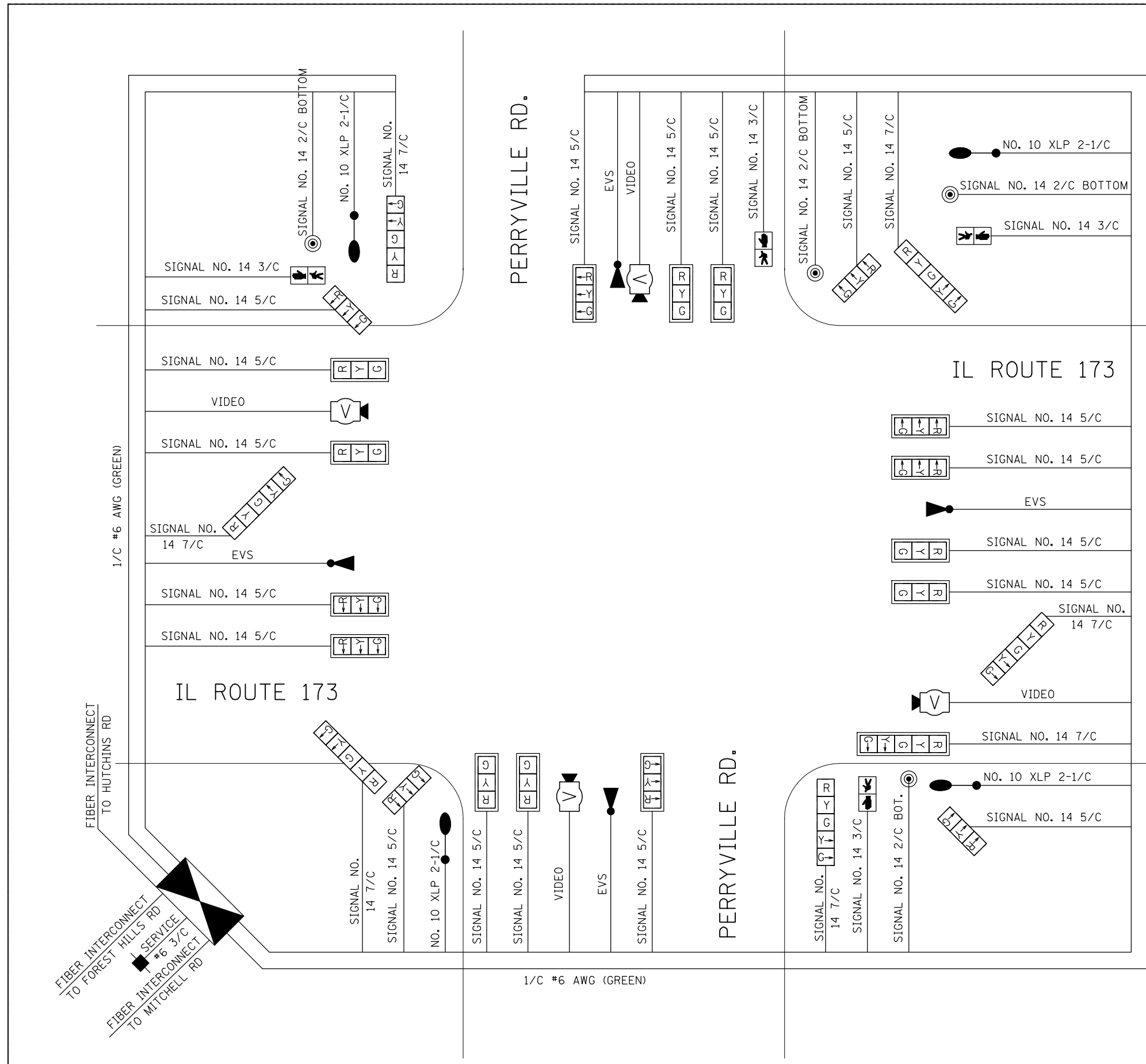
ILLINOIS FED. AID PROJECT

**LEGEND**

- ② INDICATES NUMBER OF NEW CONTROLLERS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
- NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
- LUMINAIRES, 400 WATT
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM
- NEW PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN PHASE



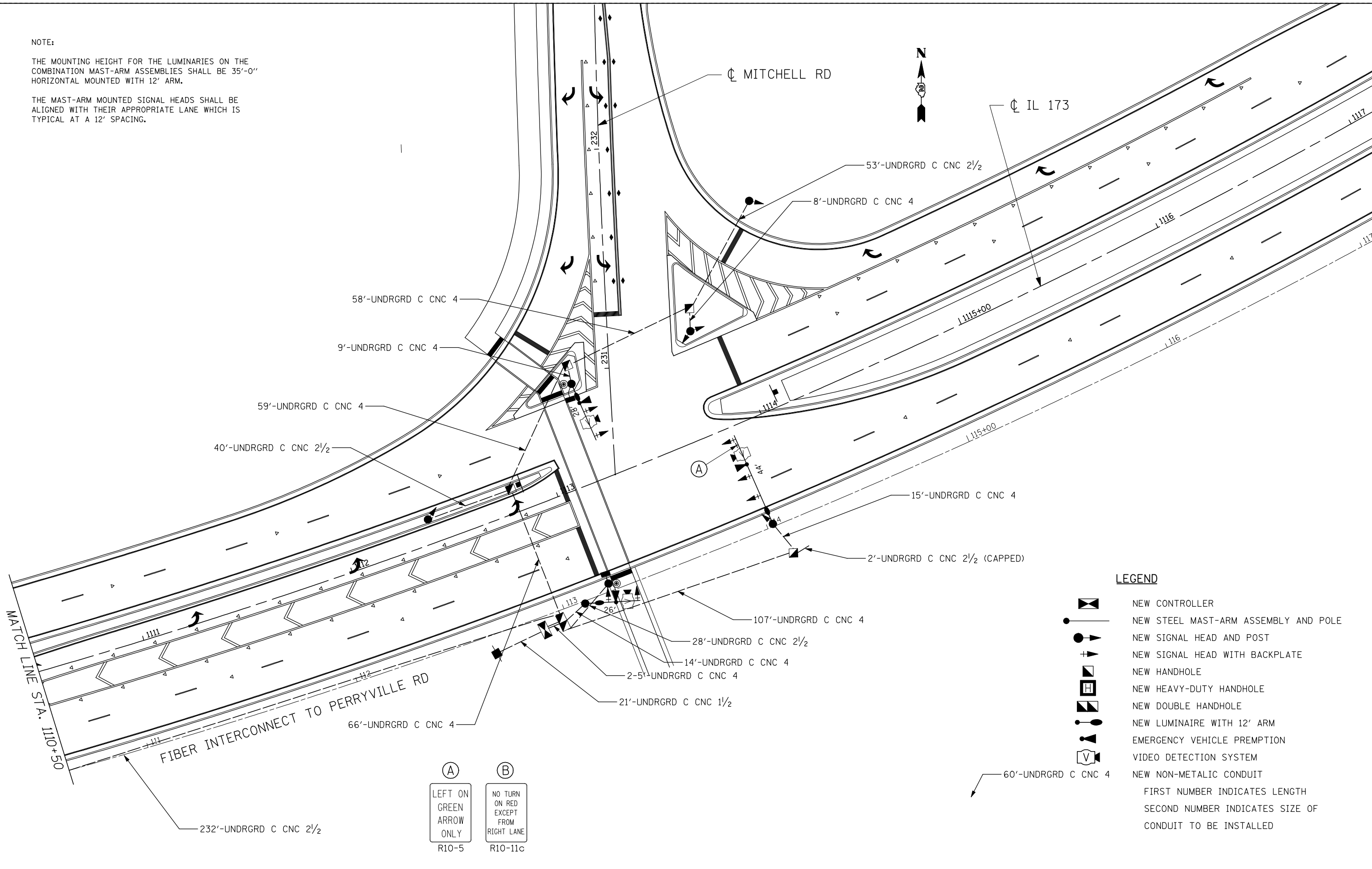
DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	B	NB RIGHT TURN
B	4	NB PRESENCE
C	7	NB LEFT TURN
D	A	WB RIGHT TURN
E	2	WB PRESENCE
F	5	WB LEFT TURN
G	D	SB RIGHT TURN
H	8	SB PRESENCE
I	3	SB LEFT TURN
J	C	EB RIGHT TURN
K	6	EB PRESENCE
L	1	EB LEFT TURN



NOTE:

THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.

THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



LEGEND

- NEW CONTROLLER
  - NEW STEEL MAST-ARM ASSEMBLY AND POLE
  - NEW SIGNAL HEAD AND POST
  - NEW SIGNAL HEAD WITH BACKPLATE
  - NEW HANDHOLE
  - NEW HEAVY-DUTY HANDHOLE
  - NEW DOUBLE HANDHOLE
  - NEW LUMINAIRE WITH 12' ARM
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM
  - NEW NON-METALIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED



USER NAME = #USER*	DESIGNED - JAF	REVISED -
DRAWN - JAF	REVISED -	
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

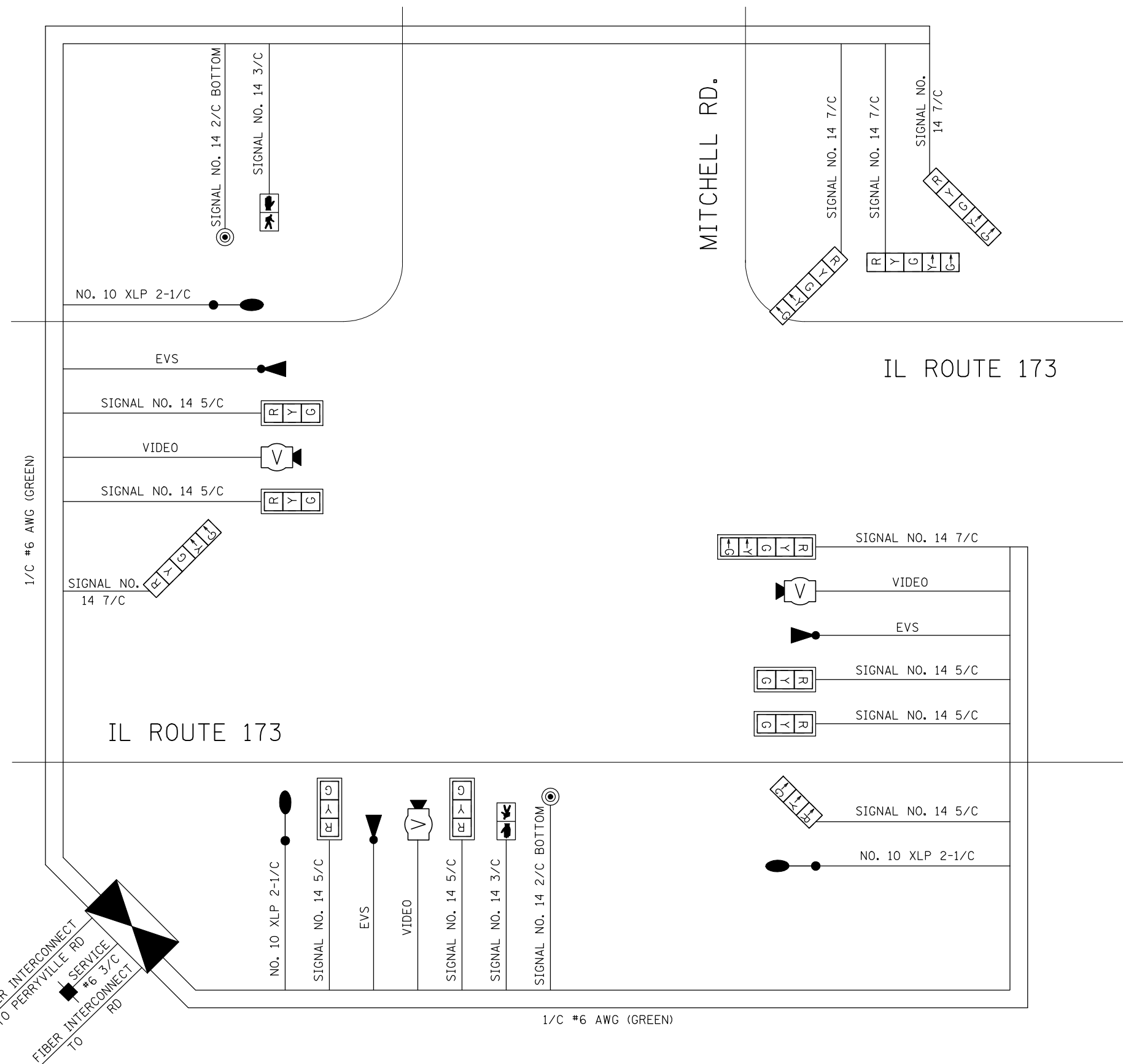
PROPOSED SIGNAL PLAN  
IL RTE 173 & MITCHELL ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	664
			CONTRACT NO. 64988	

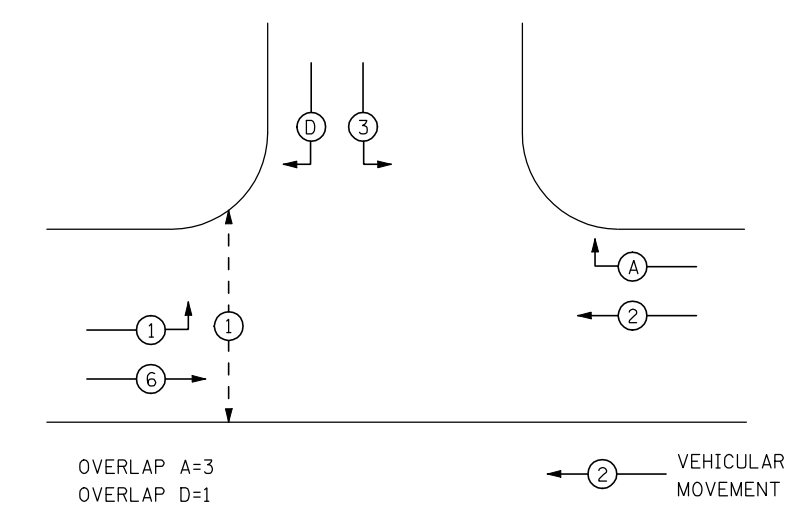
SCALE: SHEET NO. OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT





- LEGEND**
- INDICATES NUMBER OF NEW CONTROLLERS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
  - NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
  - LUMINAIRES, 400 WATT
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM
  - NEW PEDESTRIAN SIGNAL
  - PEDESTRIAN PUSH BUTTON
  - PEDESTRIAN PHASE



**PHASE DESIGNATION DIAGRAM**  
REFER TO STANDARD 857001

DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	A	WB RIGHT TURN
B	2	WB PRESENCE
C	D	SB RIGHT TURN
D	3	SB LEFT TURN
E	6	EB PRESENCE
F	1	EB LEFT TURN



USER NAME = #USER*	DESIGNED - JAF	REVISED -
DRAWN - JAF	REVISED -	
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

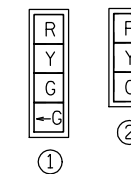
**CABLE DIAGRAM  
IL RTE 173 & MITCHELL RD**

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

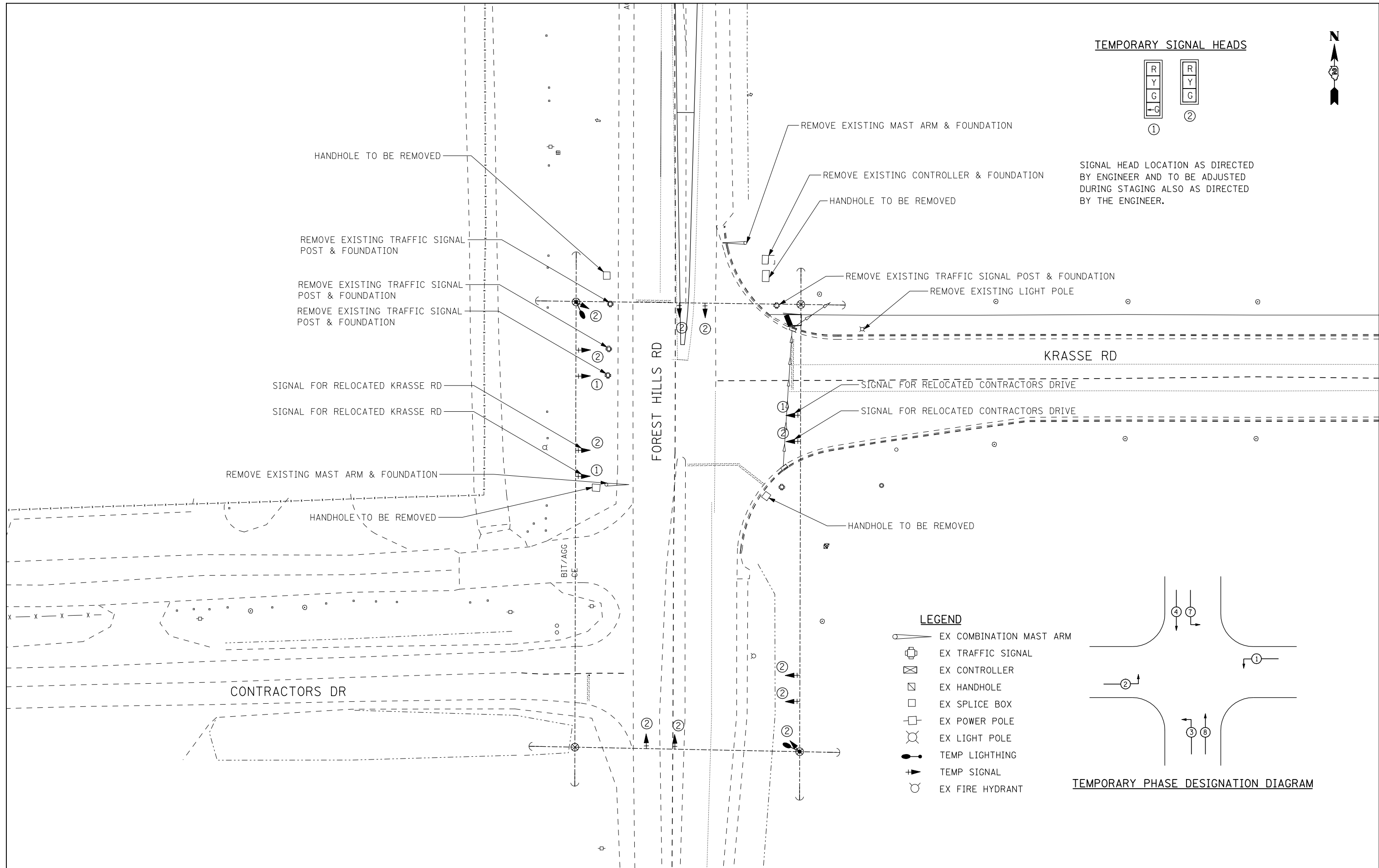
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	665
				CONTRACT NO. 64988
ILLINOIS FED. AID PROJECT				



**TEMPORARY SIGNAL HEADS**

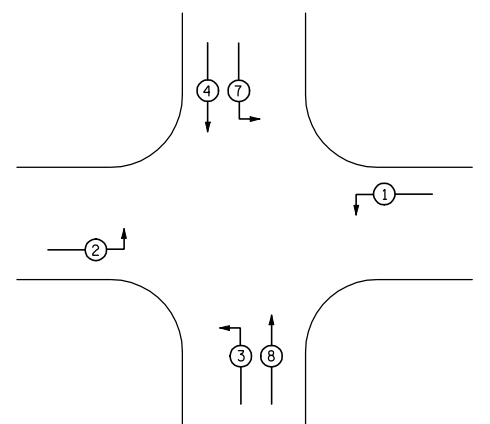


SIGNAL HEAD LOCATION AS DIRECTED BY ENGINEER AND TO BE ADJUSTED DURING STAGING ALSO AS DIRECTED BY THE ENGINEER.



**LEGEND**

- EX COMBINATION MAST ARM
- EX TRAFFIC SIGNAL
- EX CONTROLLER
- EX HANDHOLE
- EX SPLICE BOX
- EX POWER POLE
- EX LIGHT POLE
- TEMP LIGHTING
- TEMP SIGNAL
- EX FIRE HYDRANT



**TEMPORARY PHASE DESIGNATION DIAGRAM**



USER NAME = #USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = #SCALE*	CHECKED - THW	REVISED -
PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING & TEMPORARY SIGNAL PLAN  
FOREST HILLS RD & KRASSE RD**

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

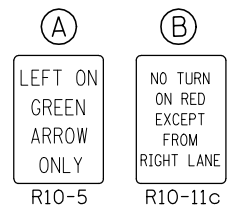
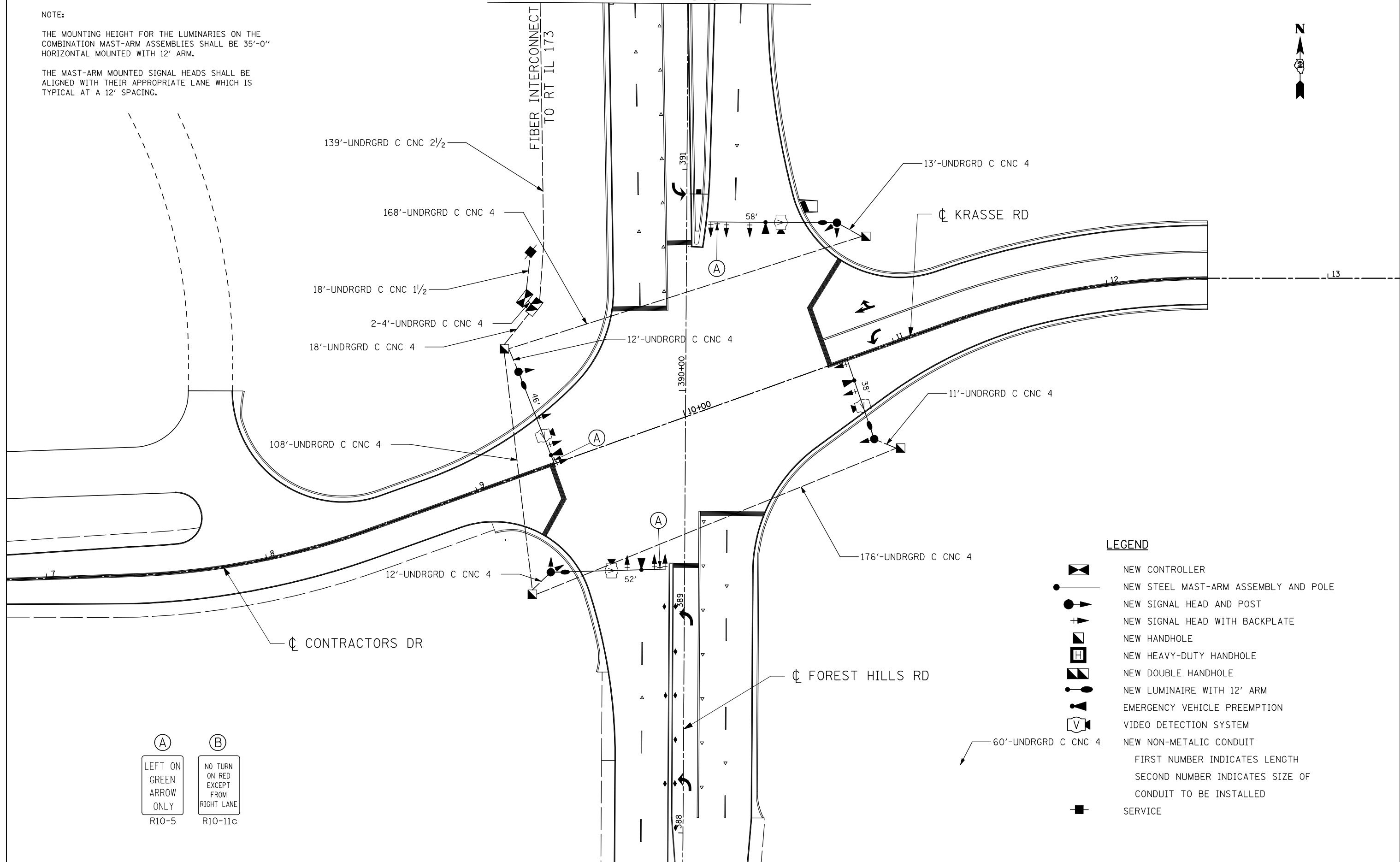
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	666
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

NOTE:  
 THE MOUNTING HEIGHT FOR THE LUMINARIES ON THE COMBINATION MAST-ARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH 12' ARM.  
 THE MAST-ARM MOUNTED SIGNAL HEADS SHALL BE ALIGNED WITH THEIR APPROPRIATE LANE WHICH IS TYPICAL AT A 12' SPACING.



MATCH LINE STA. 391+75

FIBER INTERCONNECT TO RT IL 173



**LEGEND**

- NEW CONTROLLER
- NEW STEEL MAST-ARM ASSEMBLY AND POLE
- NEW SIGNAL HEAD AND POST
- NEW SIGNAL HEAD WITH BACKPLATE
- NEW HANDHOLE
- NEW HEAVY-DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- NEW LUMINAIRE WITH 12' ARM
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM
- NEW NON-METALLIC CONDUIT  
FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED
- SERVICE



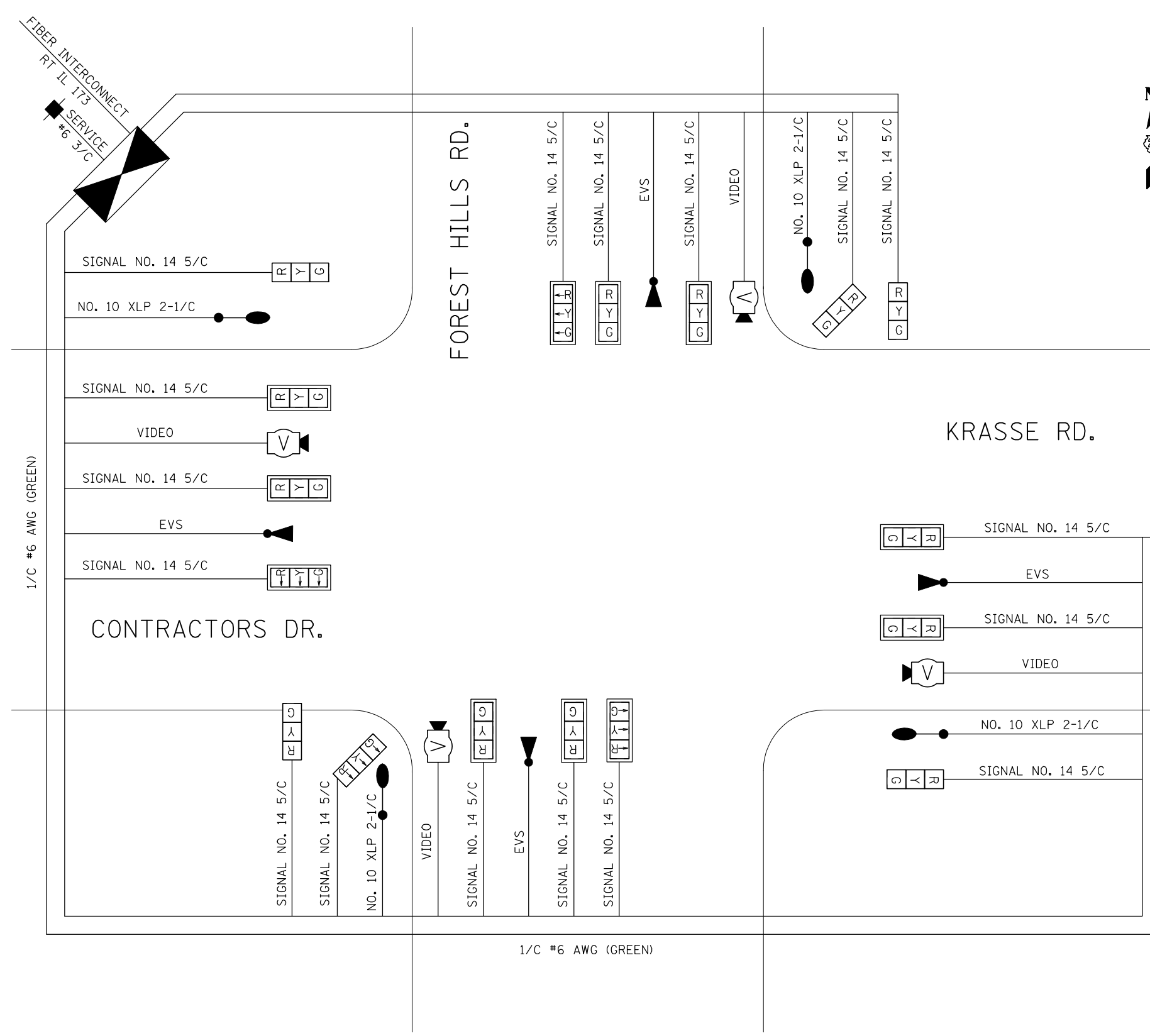
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PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNAL PLAN  
 FOREST HILLS RD & KRASSE RD**

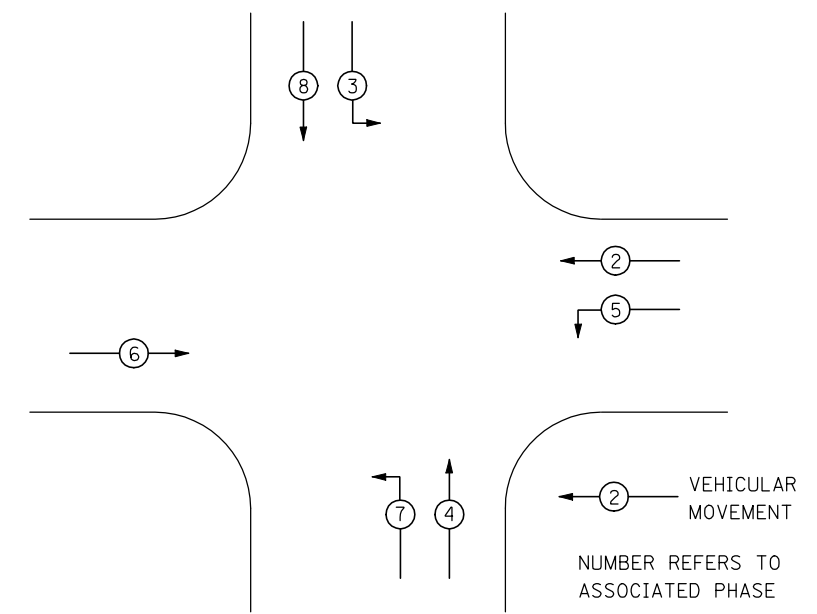
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	667
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ② INDICATES NUMBER OF NEW CONTROLLERS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
- NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE.
- LUMINAIRES, 400 WATT
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM



**PHASE DESIGNATION DIAGRAM**  
REFER TO STANDARD 857001

DETECTION ZONES		
ZONE	PHASE	DIRECTION
A	4	NB RIGHT TURN
B	4	NB PRESENCE
C	7	NB LEFT TURN
D	2	WB RIGHT TURN
E	2	WB PRESENCE
F	5	WB LEFT TURN
G	8	SB RIGHT TURN
H	8	SB PRESENCE
I	3	SB LEFT TURN
J	6	EB PRESENCE

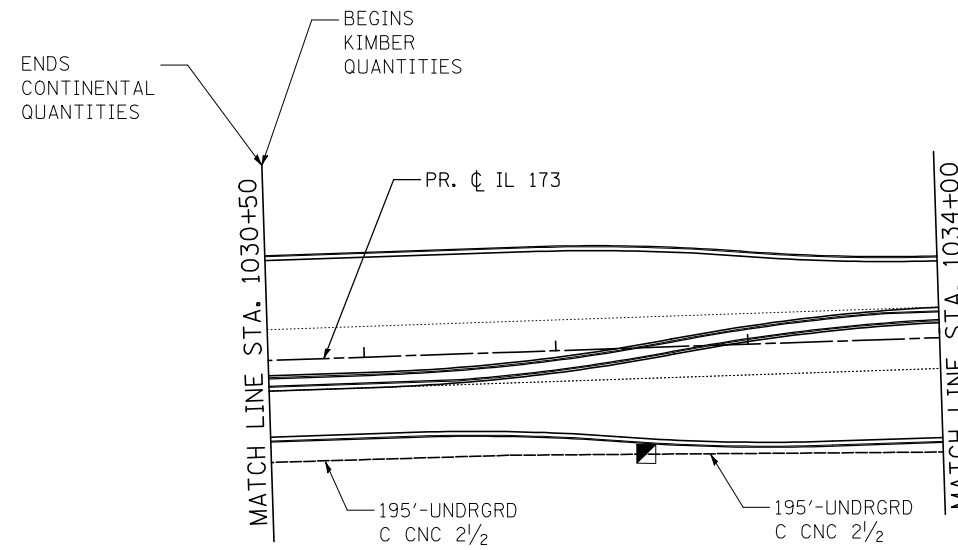


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DRAWN - JAF	REVISIONS -	
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PLOT DATE = #DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CABLE DIAGRAM</b>			
<b>FOREST HILLS RD &amp; KRASSE RD</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	668
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- NEW CONTROLLER
  - NEW STEEL MAST-ARM ASSEMBLY AND POLE
  - NEW SIGNAL HEAD AND POST
  - NEW SIGNAL HEAD WITH BACKPLATE
  - NEW HANDHOLE
  - NEW HEAVY-DUTY HANDHOLE
  - NEW DOUBLE HANDHOLE
  - NEW LUMINAIRE WITH 12' ARM
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM
  - NEW NON-METALIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED

60'-UNDRGRD C CNC 4



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

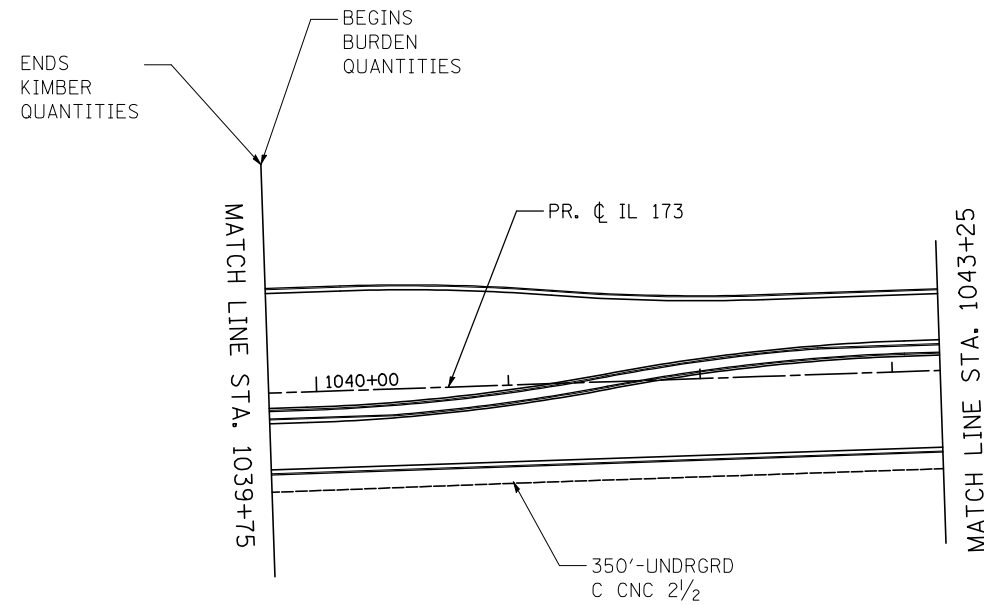
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT  
CONTINENTAL AVE - KIMBER DR**












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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	669
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT



**LEGEND**

-  NEW CONTROLLER
  -  NEW STEEL MAST-ARM ASSEMBLY AND POLE
  -  NEW SIGNAL HEAD AND POST
  -  NEW SIGNAL HEAD WITH BACKPLATE
  -  NEW HANDHOLE
  -  NEW HEAVY-DUTY HANDHOLE
  -  NEW DOUBLE HANDHOLE
  -  NEW LUMINAIRE WITH 12' ARM
  -  EMERGENCY VEHICLE PREEMPTION
  -  VIDEO DETECTION SYSTEM
  -  NEW NON-METALIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED

60'-UNDRGRD C CNC 4



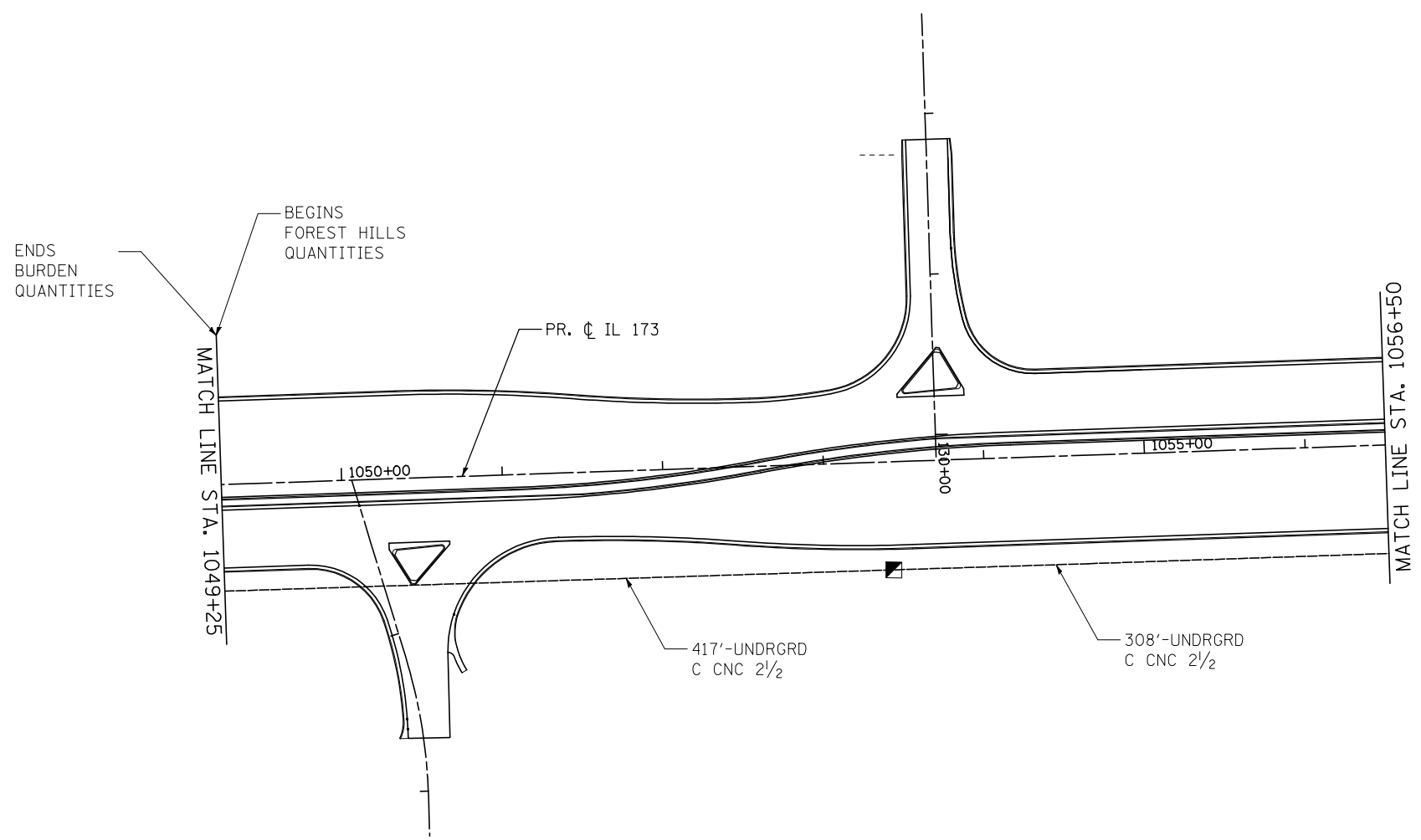
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	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT  
KIMBER DR - BURDEN RD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	670
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- NEW CONTROLLER
- NEW STEEL MAST-ARM ASSEMBLY AND POLE
- NEW SIGNAL HEAD AND POST
- NEW SIGNAL HEAD WITH BACKPLATE
- NEW HANDHOLE
- NEW HEAVY-DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- NEW LUMINAIRE WITH 12' ARM
- EMERGENCY VEHICLE PREEMPTION
- VIDEO DETECTION SYSTEM
- NEW NON-METALIC CONDUIT

60'-UNDRGRD C CNC 4

FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED

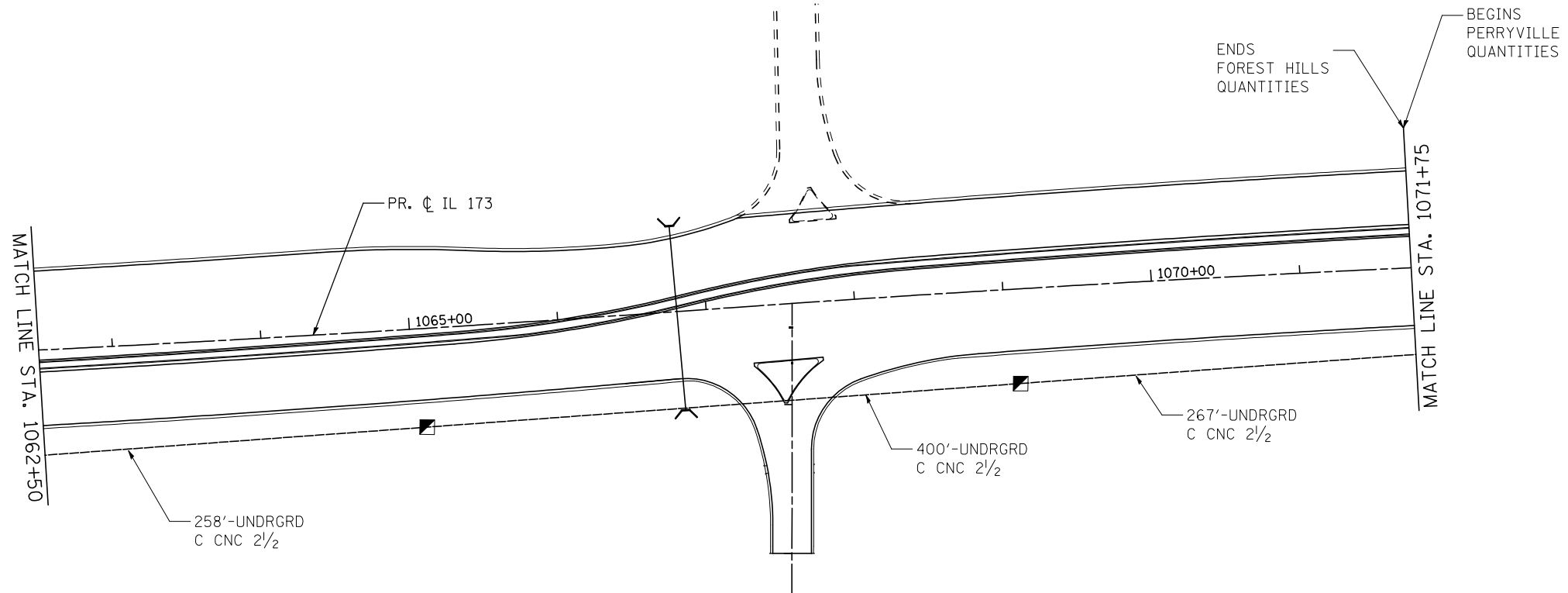


USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -












**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERCONNECT</b>			
<b>BURDEN RD - FOREST HILLS RD</b>			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	671
				CONTRACT NO. 64988
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  NEW CONTROLLER
  -  NEW STEEL MAST-ARM ASSEMBLY AND POLE
  -  NEW SIGNAL HEAD AND POST
  -  NEW SIGNAL HEAD WITH BACKPLATE
  -  NEW HANDHOLE
  -  NEW HEAVY-DUTY HANDHOLE
  -  NEW DOUBLE HANDHOLE
  -  NEW LUMINAIRE WITH 12' ARM
  -  EMERGENCY VEHICLE PREMPTION
  -  VIDEO DETECTION SYSTEM
  -  NEW NON-METALIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED

60'-UNDRGRD C CNC 4



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
DRAWN - JAF	REVISIONS -	
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

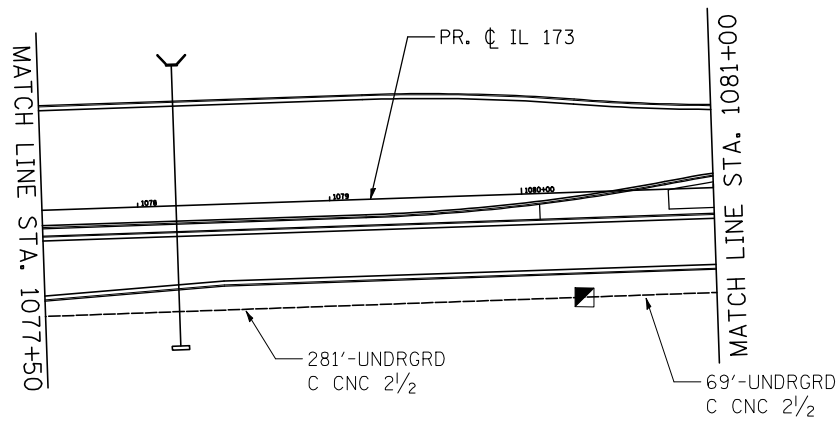
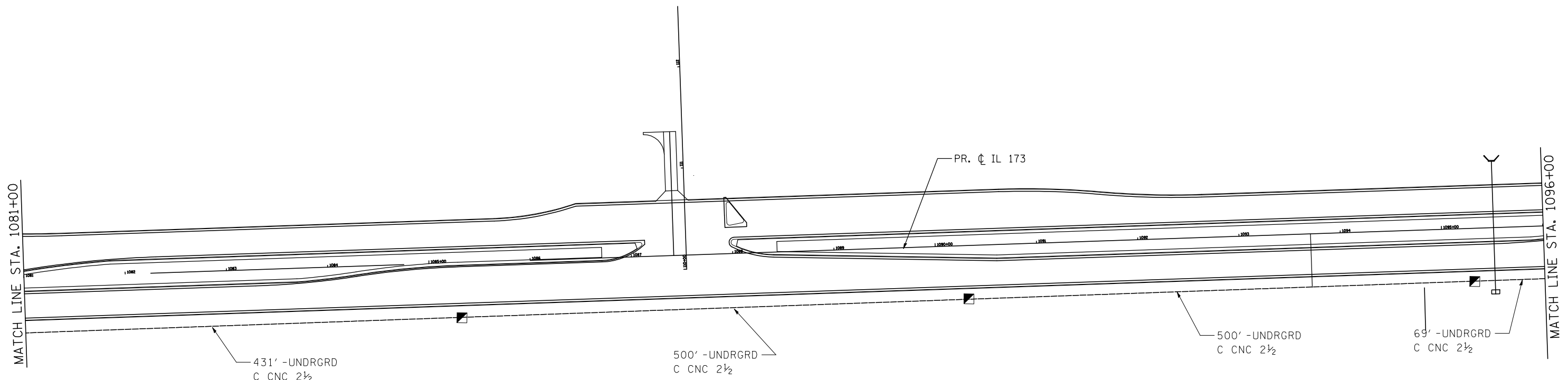
**INTERCONNECT  
FOREST HILLS - PERRYVILLE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	672
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT





**LEGEND**

- NEW CONTROLLER
  - NEW STEEL MAST-ARM ASSEMBLY AND POLE
  - NEW SIGNAL HEAD AND POST
  - NEW SIGNAL HEAD WITH BACKPLATE
  - NEW HANDHOLE
  - NEW HEAVY-DUTY HANDHOLE
  - NEW DOUBLE HANDHOLE
  - NEW LUMINAIRE WITH 12' ARM
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM
  - NEW NON-METALIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED

60' -UNDRGRD C CNC 4



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
DRAWN - JAF	CHECKED - THW	REVISED -
PLOT SCALE = \$SCALE*	DATE - 4.30 2013	REVISED -
PLOT DATE = \$DATE*		

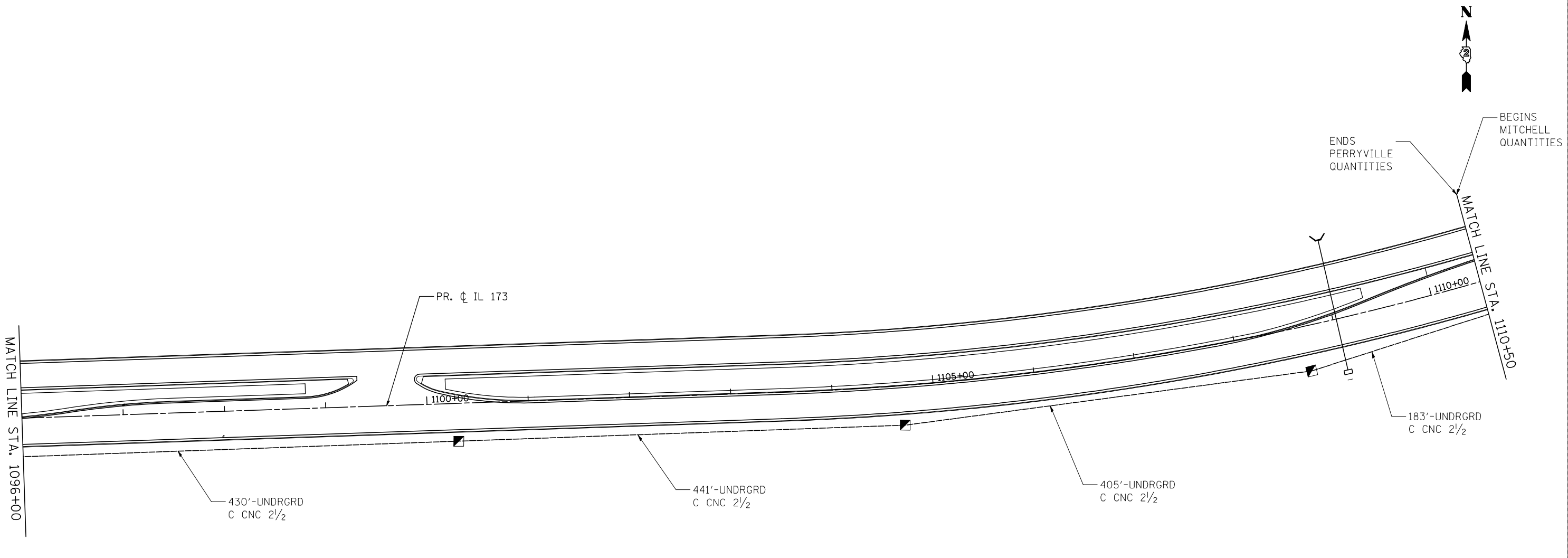
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT  
PERRYVILLE - MITCHELL SHEET 1**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	673
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT



**LEGEND**

- NEW CONTROLLER
  - NEW STEEL MAST-ARM ASSEMBLY AND POLE
  - NEW SIGNAL HEAD AND POST
  - NEW SIGNAL HEAD WITH BACKPLATE
  - NEW HANDHOLE
  - NEW HEAVY-DUTY HANDHOLE
  - NEW DOUBLE HANDHOLE
  - NEW LUMINAIRE WITH 12' ARM
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM
  - NEW NON-METALLIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF CONDUIT TO BE INSTALLED

60'-UNDRGRD C CNC 4



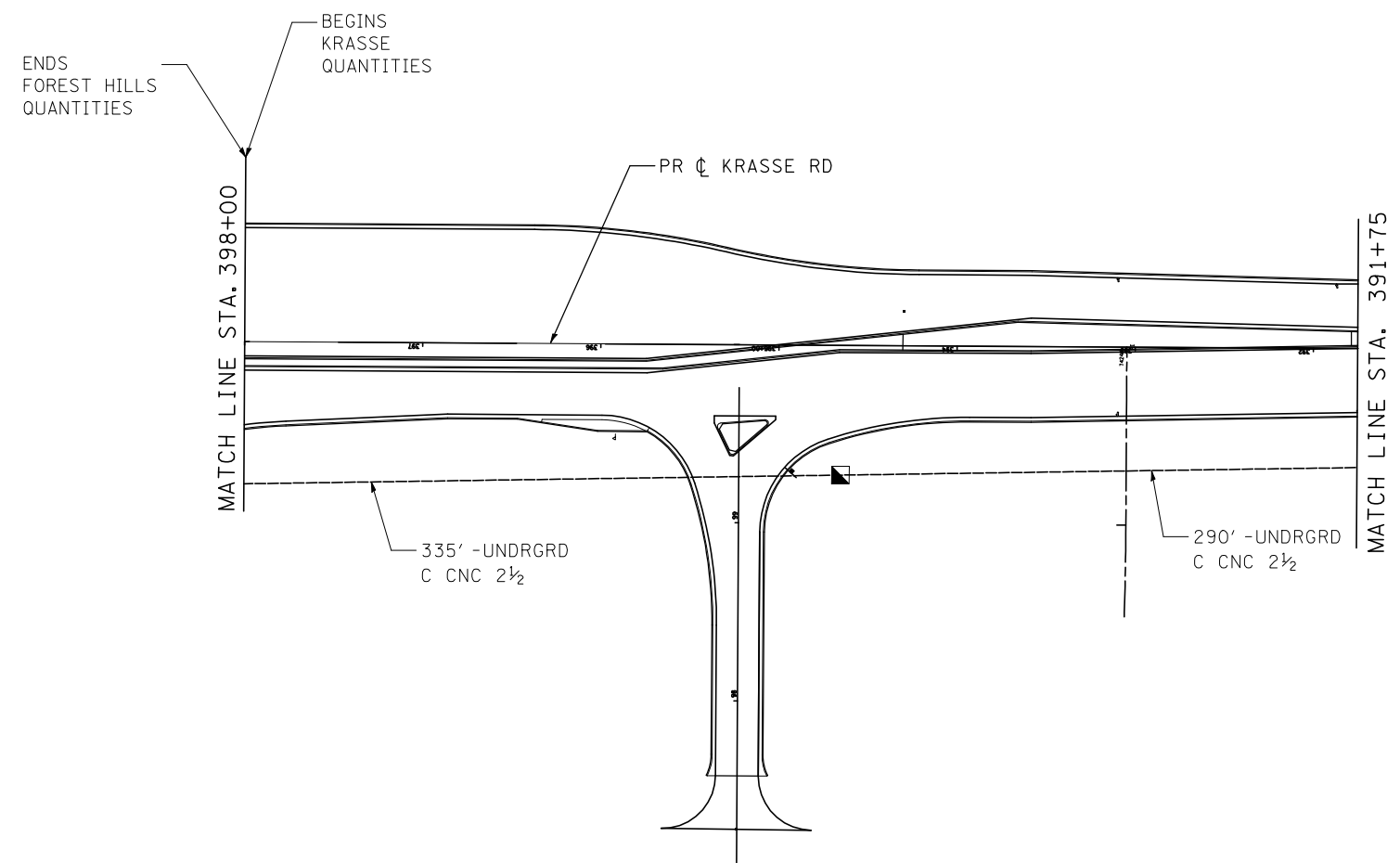
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	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT  
PERRYVILLE - MITCHELL SHEET 2**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	674
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- NEW CONTROLLER
  - NEW STEEL MAST-ARM ASSEMBLY AND POLE
  - NEW SIGNAL HEAD AND POST
  - NEW SIGNAL HEAD WITH BACKPLATE
  - NEW HANDHOLE
  - NEW HEAVY-DUTY HANDHOLE
  - NEW DOUBLE HANDHOLE
  - NEW LUMINAIRE WITH 12' ARM
  - EMERGENCY VEHICLE PREEMPTION
  - VIDEO DETECTION SYSTEM
  - NEW NON-METALLIC CONDUIT
- FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED

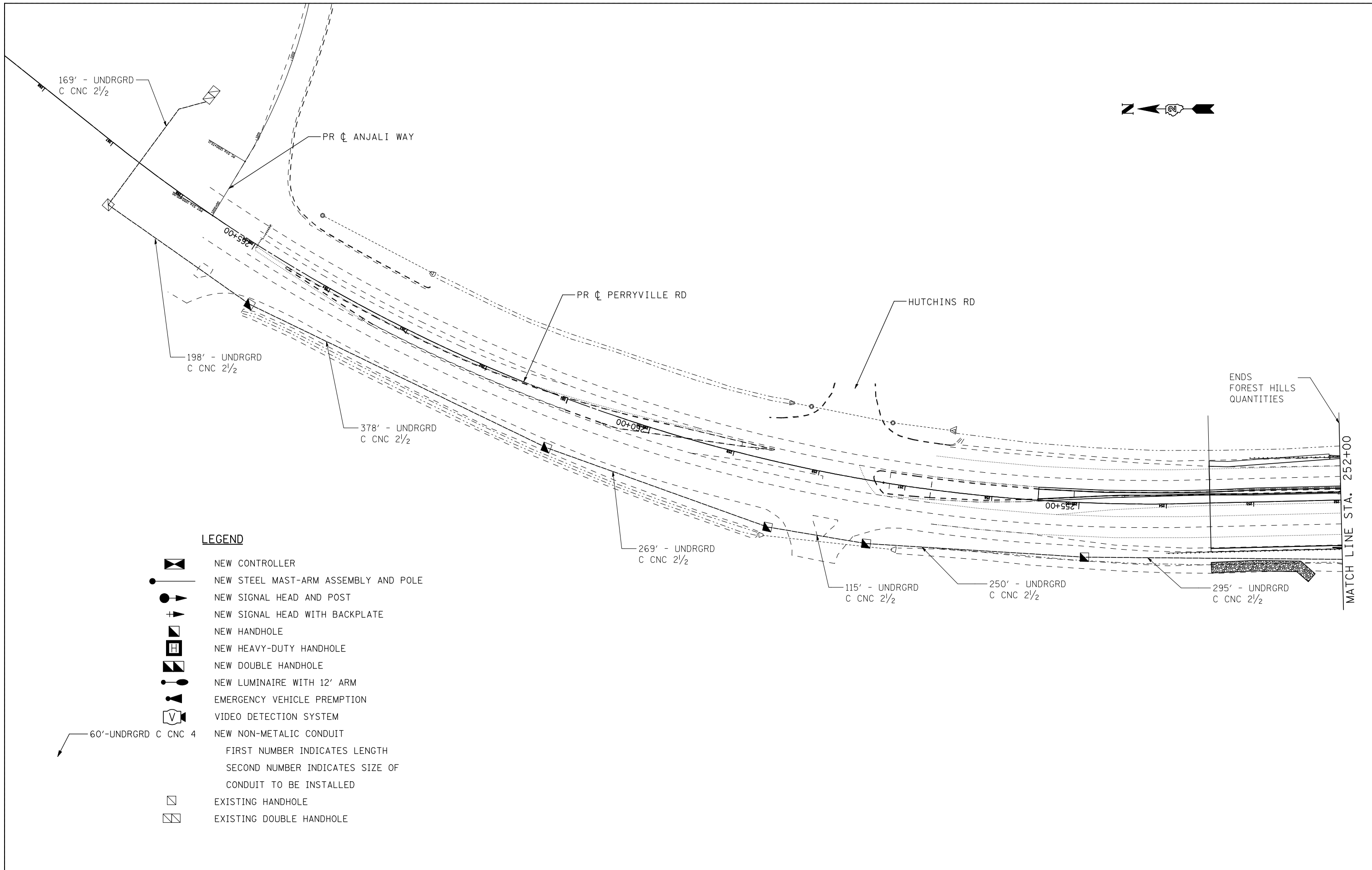


USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -














**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERCONNECT IL 173 - KRASSE RD</b>			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	675
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  NEW CONTROLLER
-  NEW STEEL MAST-ARM ASSEMBLY AND POLE
-  NEW SIGNAL HEAD AND POST
-  NEW SIGNAL HEAD WITH BACKPLATE
-  NEW HANDHOLE
-  NEW HEAVY-DUTY HANDHOLE
-  NEW DOUBLE HANDHOLE
-  NEW LUMINAIRE WITH 12' ARM
-  EMERGENCY VEHICLE PREEMPTION
-  VIDEO DETECTION SYSTEM
-  NEW NON-METALIC CONDUIT
-  EXISTING HANDHOLE
-  EXISTING DOUBLE HANDHOLE

60'-UNDRGRD C CNC 4

FIRST NUMBER INDICATES LENGTH  
SECOND NUMBER INDICATES SIZE OF  
CONDUIT TO BE INSTALLED



USER NAME = \$USER*	DESIGNED - JAF	REVISED -
	DRAWN - JAF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED - THW	REVISED -
PLOT DATE = \$DATE*	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERCONNECT</b>			
<b>PERRYVILLE RD - HUTCHINS RD - ANJALI WAY</b>			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	676
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

# SOIL BORING



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 1

Date 5/11/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals on IL 173 @ Mitchell Road LOGGED BY W. Garza

SECTION 129R LOCATION SEC. TWP. RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs. _____ ft	DEPTH H	BLOW S	UCS Qu	MOIST T	Description
			0.6	20										MEDIUM brown SILTY CLAY LOAM
	815.40													VERY DENSE tan clean medium GRAVEL (continued)
	813.90	2 4	1.1	18										DENSE tan SANDY GRAVEL
	811.40	5 7 7	0.6	9										MEDIUM tan SANDY GRAVEL
	808.90	7 6 9	1.1	10										VERY DENSE tan weathered LIMESTONE Auger Refusal @ 28' End of Boring
	806.40	12 15 14	2.3	10										VERY STIFF tan SANDY LOAM
	803.90	10 11 17	2.8	9										VERY STIFF tan SANDY LOAM with GRAVEL
	800.90	22 31 46		7										VERY DENSE light gray SANDY LOAM TILL
	798.90	29 34 51												VERY DENSE tan SANDY GRAVEL
		7												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 1

Date 5/21/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals on IL 173 @ Kimber Drive LOGGED BY W. Garza

SECTION 129R LOCATION SEC. TWP. RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs. _____ ft	DEPTH H	BLOW S	UCS Qu	MOIST T	Description
				6										DRY brown SILTY CLAY LOAM
	745.90													MEDIUM tan fine SAND (continued)
	744.40	5 6 8												MEDIUM tan clean medium coarse SAND
	741.90	6 10 11												MEDIUM tan SANDY GRAVEL
	739.40	7 12 17												MEDIUM tan SANDY GRAVEL
	736.90	8 17 20												DENSE tan SANDY GRAVEL
	734.40	9 8 11												MEDIUM tan SANDY GRAVEL
	731.90	10 11 16												MEDIUM tan clean medium coarse SAND
	729.40	6 7 9												MEDIUM tan clean medium coarse SAND
		2												MEDIUM tan fine SAND
														End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = ... \200793LOGS_SIGNALS.dgn	USER NAME = Elgin 110	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SIGNAL STRUCTURE SOIL BORING LOGS</b>	F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 677
<b>THE UPCHURCH GROUP, INC.</b>	PLOT SCALE = 2.0000' / IN.	CHECKED -	REVISIED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 64988 ILLINOIS FED. AID PROJECT		
	PLOT DATE = 5/2/2013 1:06:23 PM	DATE - APRIL 30, 2013	REVISIED -							

# SOIL BORING



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 1

Date 5/15/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals, SE Quadrant of Forest Hills Road - Krasse Drive LOGGED BY W. Garza  
SECTION 129R LOCATION SEC. TWP. RNG.  
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft
			1.5 P	2			16 25	2.1 P	7	VERY STIFF tan SANDY LOAM TILL (continued) 744.80
	763.80	4 7 9	2.0 P	5			23 32 30	2.1 P	9	VERY STIFF tan SANDY LOAM TILL 742.30
	762.30									
		7 6 6	1.1 P	6			17 20 19	2.1 P	8	VERY STIFF tan SANDY LOAM TILL with fine SAND lens 739.30
	759.80									
		6 11 14	2.6 P	7			12 14 19			DENSE tan dirty SAND 736.80
	757.30									
		35 22 21	1.5 P	7			14 15 14	2.0 P	11	STIFF tan SANDY LOAM TILL 734.80
	754.80									
		16 16 18	2.1 P	7			13 14 20			No Recovery 732.30
	752.30									
		13 14 15	1.8 P	7			13 14 14	2.5 B	12	VERY STIFF tan LOAM TILL with SAND lens 729.80
	749.80									End of Boring
		10 15 26	2.8 P	8						
	747.30									
		15								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 1

Date 5/17/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals, IL 173 @ Forest Hills Road LOGGED BY W. Garza  
SECTION 129R LOCATION SEC. TWP. RNG.  
COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft
										DRY brown SILTY CLAY LOAM
									9	MEDIUM tan fine SAND (continued) 739.00
	758.00									
		2 2 5	1.0 P	26						MEDIUM tan fine SAND 736.00
	756.50									
		3 2 4	0.6 P	23						HARD tan SILTY CLAY 733.50
	753.50									
		2 1 3								VERY LOOSE tan fine SAND 731.00
	751.50									
		3 4 7								Wash HARD gray SILTY CLAY with SANDY GRAVEL lens 729.00
	749.00									
		5 7 9								Wash STIFF gray SANDY LOAM TILL 726.50
	746.50									
		10 10 10								STIFF gray SANDY LOAM TILL 724.00
	744.00									End of Boring
		7 9 11								
	741.50									
		15								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

# SOIL BORING



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 1

Date 5/16/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals, IL 173 @ Burden Road LOGGED BY W. Garza

SECTION 129R LOCATION SEC. TWP. RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEP	BLO	UCS	MOI	Surface Water Elev.	DEP	BLO	UCS	MOI
Station	T	WS	Qu	ST	ft	T	WS	Qu	ST
	H	S				H	S		
BORING NO.	(ft)	(/6")	(tsf)	(%)	Stream Bed Elev.	(ft)	(/6")	(tsf)	(%)
Station					ft				
Offset					Groundwater Elev.:				
Ground Surface Elev.					First Encounter				
					Upon Completion				
					After				
					Hrs.				
MEDIUM brown SILTY CLAY LOAM	749.10		0.6 P	12	MEDIUM tan clean medium coarse SAND (continued)	729.60	12		
MEDIUM tan SANDY GRAVEL	747.10	7			MEDIUM tan fine SAND	727.10	10		
DENSE tan SANDY GRAVEL	744.60	13			MEDIUM tan fine SAND	724.60	4		
VERY DENSE tan SANDY GRAVEL	742.10	18			MEDIUM tan clean medium coarse SAND	722.10	5		
VERY DENSE tan SANDY GRAVEL	739.60	22			VERY DENSE tan SANDY GRAVEL	719.60	14		
VERY DENSE tan SANDY GRAVEL	737.10	21			DENSE tan clean medium coarse moist SAND	717.10	10		
DENSE tan SANDY GRAVEL	734.60	11			End of Boring	714.60	27		
VERY DENSE tan SANDY GRAVEL	732.10	21					31		
		28					40		
		27							
		11							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 1

Date 5/17/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals, IL 173 @ Perryville Road LOGGED BY W. Garza

SECTION 129R LOCATION SEC. TWP. RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	DEP	BLO	UCS	MOI	Surface Water Elev.	DEP	BLO	UCS	MOI
Station	T	WS	Qu	ST	ft	T	WS	Qu	ST
	H	S				H	S		
BORING NO.	(ft)	(/6")	(tsf)	(%)	Stream Bed Elev.	(ft)	(/6")	(tsf)	(%)
Station					ft				
Offset					Groundwater Elev.:				
Ground Surface Elev.					First Encounter				
					Upon Completion				
					After				
					Hrs.				
MEDIUM brown LOAM			0.5 P	14	DENSE tan SANDY GRAVEL (continued)	754.40	18		
VERY STIFF tan SANDY LOAM	773.40	4		10	DENSE tan fine SAND		12		
VERY STIFF brown SANDY LOAM	771.90	5	2.3 P	21		21			
MEDIUM brown SILTY CLAY LOAM	769.40	5	2.1 P	21	Wash DENSE/VERY DENSE tan fine SAND	749.40	14		
DENSE tan weathered LIMESTONE	763.90	2			VERY DENSE tan fine SAND	746.90	21		
VERY SOFT tan SANDY LOAM	761.40	4	0.2 P	12		35			
MEDIUM tan fine moist SAND	759.40	2			Wash VERY DENSE tan well cemented SANDY GRAVEL	744.40	56		
DENSE tan SANDY GRAVEL	756.90	11			End of Boring		100/5'		
DENSE tan SANDY GRAVEL		23							
		23							
		11							
		11							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

# SOIL BORING



**Illinois Department of Transportation**  
Division of Highways  
 Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 1

Date 5/18/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Traffic Signals, IL 173 @ Continental Drive LOGGED BY W. Garza  
 SECTION 129R LOCATION SEC. , TWP. , RNG.  
 COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D E P T H	B L O W S	U C S Qu	M O I S T	Description	D E P T H	B L O W S	U C S Qu	M O I S T
Station	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)
				6	DRY brown SILTY CLAY LOAM				
					MEDIUM tan SANDY GRAVEL (continued)	718.00	11 16		
	737.00								
		6			VERY STIFF brown SANDY LOAM				
		7	2.6	11	MEDIUM tan clean medium coarse SAND		10 11 17		
	735.00	10	P			715.50			
					MEDIUM brown fine SAND				
		6			MEDIUM tan fine SAND		12 16 13		
	733.00	5				713.00			
		7							
					MEDIUM tan fine SAND				
		4			MEDIUM tan fine moist SAND		8 8 9		
	730.00	3				710.50			
		8							
					SOFT tan SILT with fine SAND lens				
		4	0.3	24	MEDIUM tan fine SAND		2 5 9		
	727.50	5	P			708.00			
		9							
					VERY DENSE tan SANDY GRAVEL				
		16			MEDIUM tan clean medium coarse SAND		7 13 16		
	725.50	27				705.50			
		35							
					DENSE tan SANDY GRAVEL				
		15			Wash DENSE tan fine SAND		8 12 20		
	723.00	19				703.00			
		15			End of Boring				
		11							
	720.50	16							
		18							
					MEDIUM tan SANDY GRAVEL				
		11							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = Elgin 110	DESIGNED -	REVISED -
... \200793LOGS_SIGNALS.dgn		DRAWN - JAU	REVISED -
		CHECKED -	REVISED -
		DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIGNAL STRUCTURE  
 SOIL BORING LOGS**

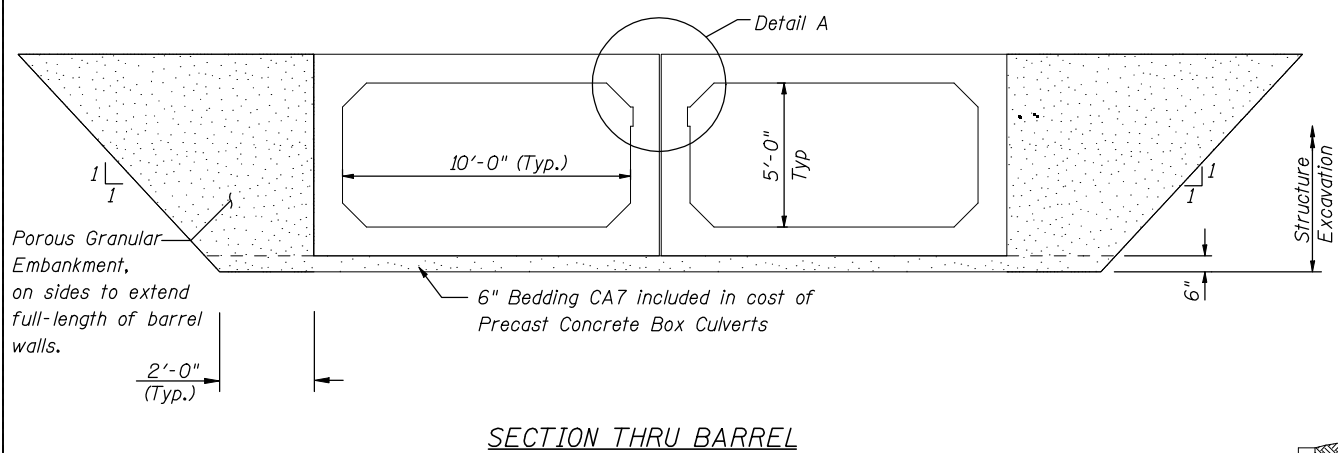
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	680
			CONTRACT NO. 64988	
<small>ILLINOIS FED. AID PROJECT</small>				

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

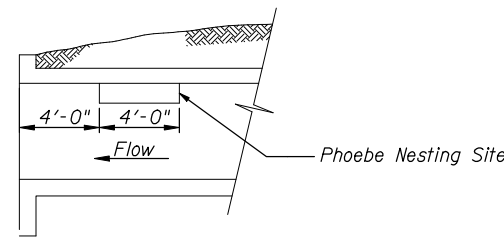
**THE UPCHURCH GROUP, INC.**



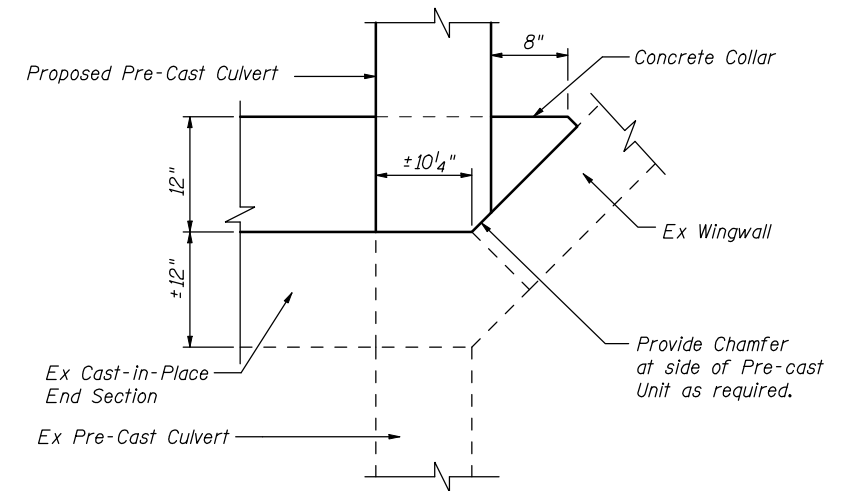




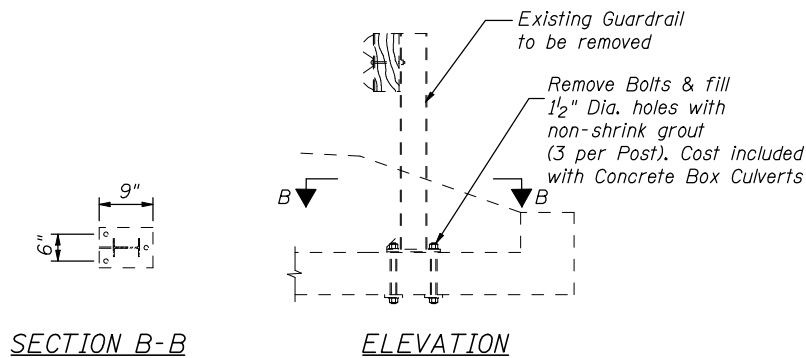
SECTION THRU BARREL



LONGITUDINAL SECTION



SECTION A-A

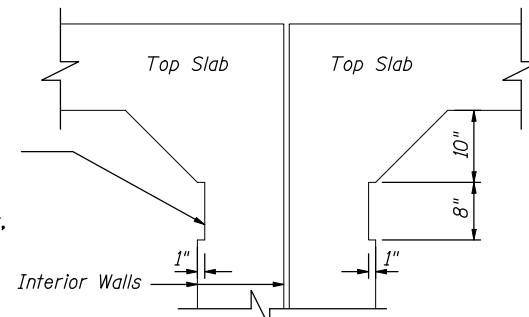


SECTION B-B

ELEVATION

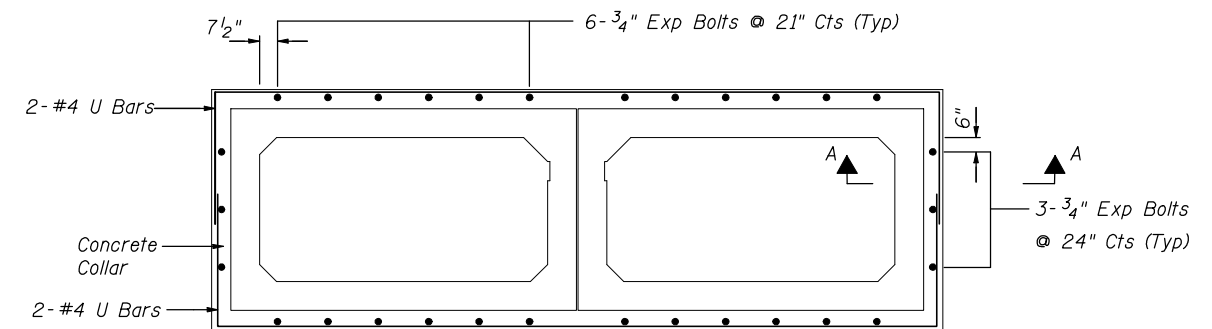
GUARD RAIL DETAILS  
(8 Post Locations)

Notch formed by Rough Finished Board attached to and removed with Formwork, each Interior Wall (do not chamfer)

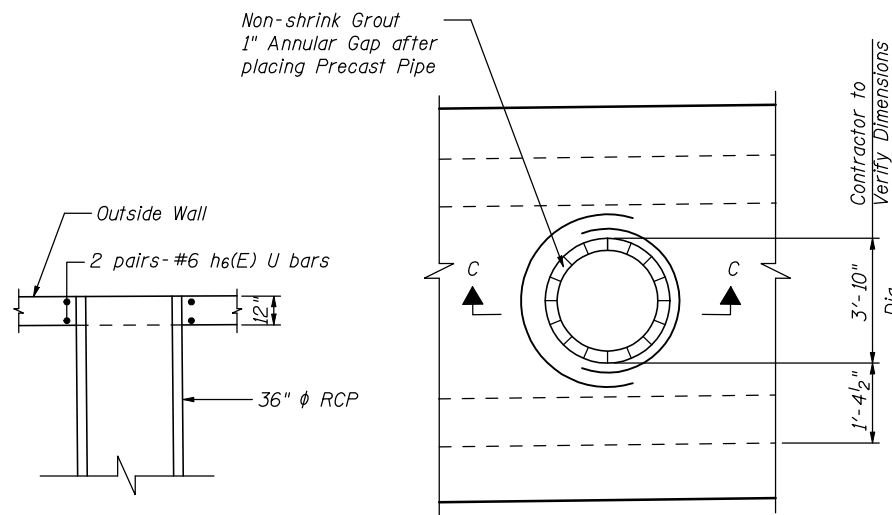


DETAIL A

PHOEBE NESTING SITE DETAILS  
(Downstream End Only)



CROSS SECTION

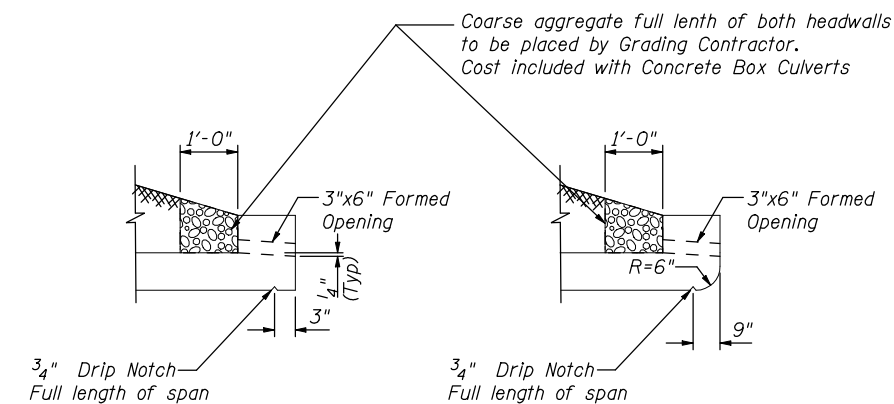


SECTION C-C

ELEVATION

Cost of installing and grouting 36"  $\phi$  RCP included with Concrete Box Culverts

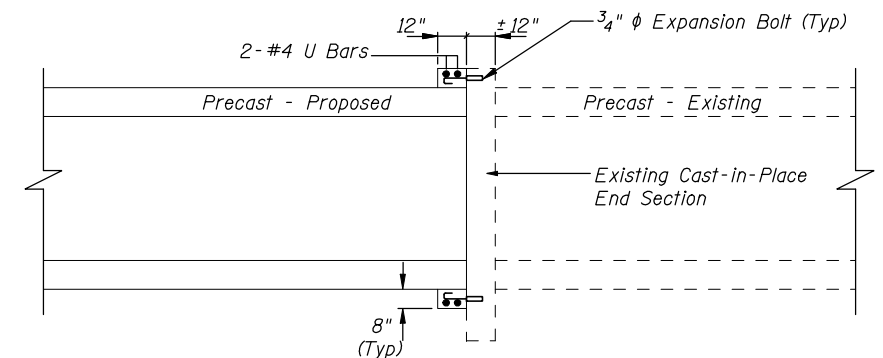
PIPE DETAILS



AT DOWNSTREAM END

AT UPSTREAM END

DRAIN DETAILS

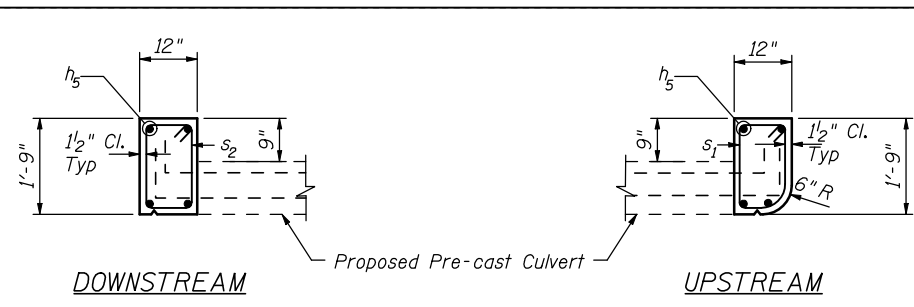
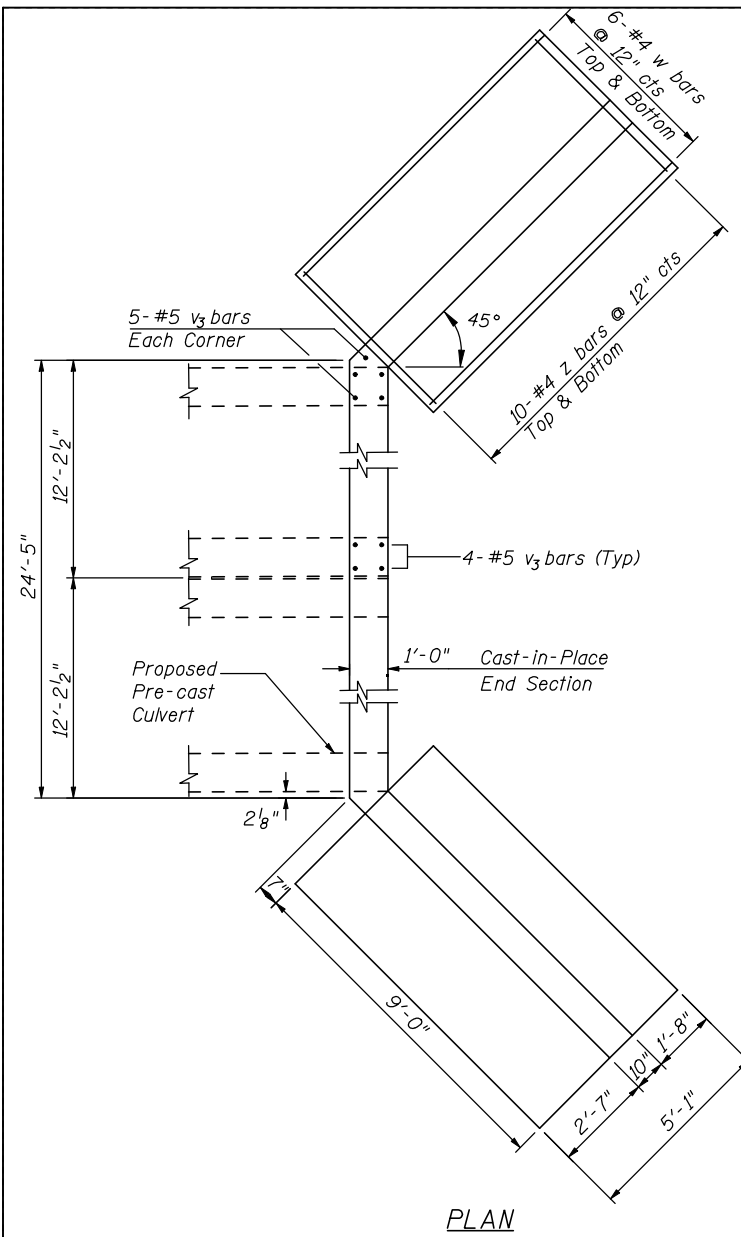


LONGITUDINAL SECTION

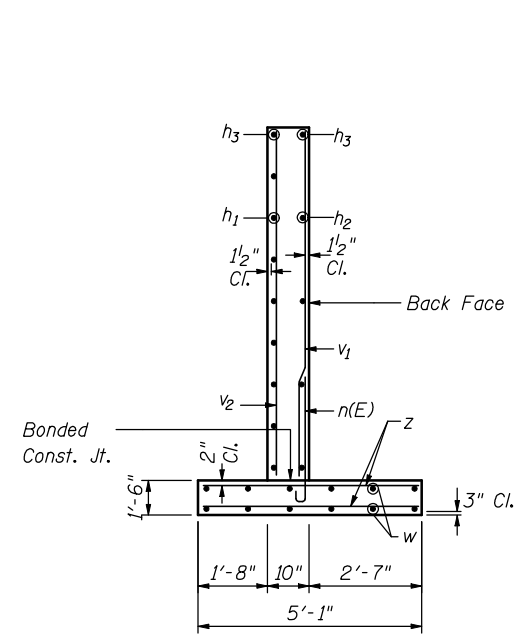
Note: Expansion Bolts shall be 3/4" dia Hooked Bars. Hooked Bolts shall extend a minimum of 9" into new concrete.

EXPANSION BOLT DETAILS

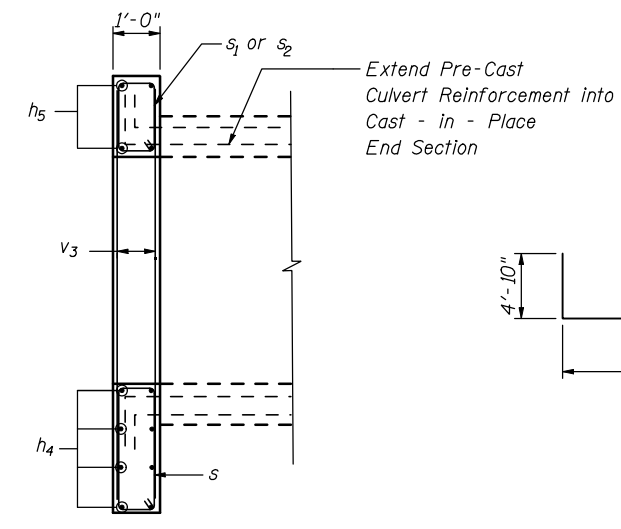
FILE NAME = ... \200793.GP02.PERRYVILLE.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PERRYVILLE ROAD OVER WILLOW CREEK CULVERT DETAILS</b>			F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 682		
<b>THE UPCHURCH GROUP, INC.</b>	PLOT SCALE = 20.0000' / IN.	DRAWN - LP	REVISED -					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 64988	ILLINOIS FED. AID PROJECT
	PLOT DATE = 5/2/2013 1:22:53 PM	CHECKED - ADB	REVISED -											
		DATE - APRIL 30, 2013	REVISED -											



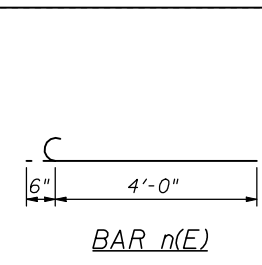
HEADWALL DETAILS



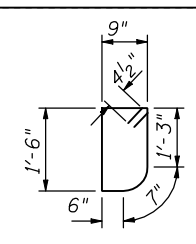
SECTION THRU WINGWALL



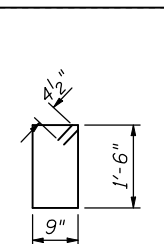
SECTION A-A



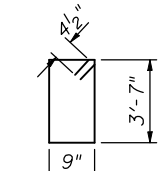
BAR n(E)



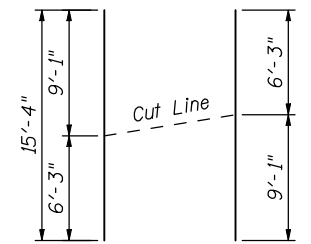
BAR s1



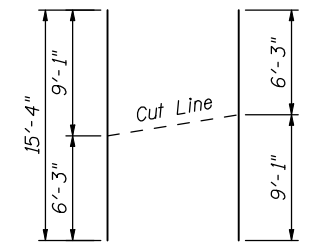
BAR s2



BAR s

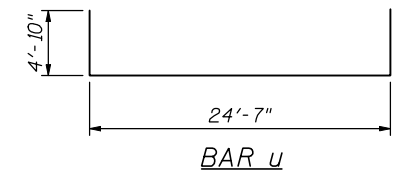


BAR v1

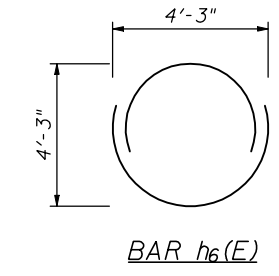


BAR v2

Order v1 bars full depth. Cut as shown and use remainder of bars in other Wingwall  
Order v2 bars full depth. Cut as shown and use remainder of bars in other Wingwall



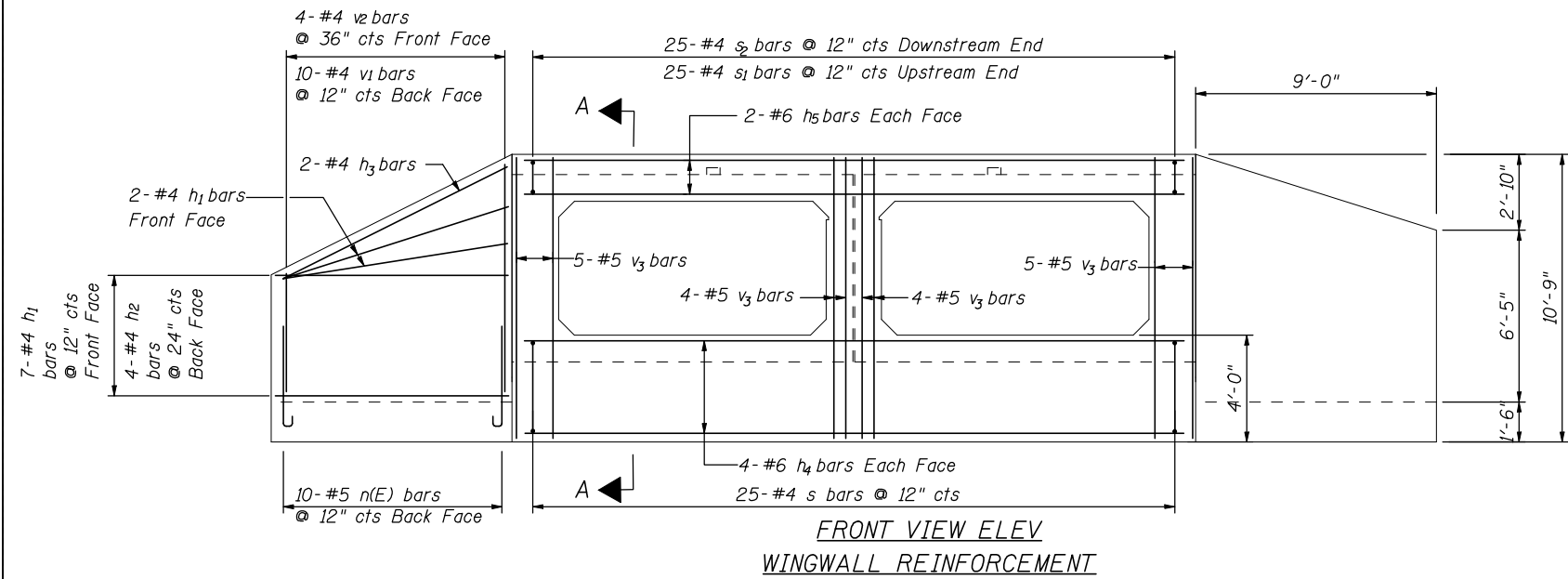
BAR u



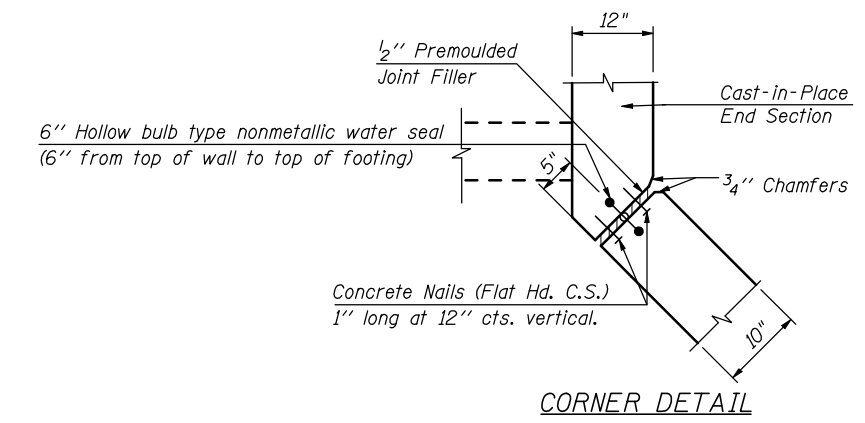
BAR h6(E)

**BILL OF MATERIAL**  
(For two End Sections)

Bar	No.	Size	Length	Shape
h1	36	#4	8'-9"	—
h2	16	#4	8'-9"	—
h3	8	#4	9'-0"	—
h4	16	#6	24'-0"	—
h5	8	#6	24'-0"	—
h6(E)	4	#6	10'-6"	C
n(E)	40	#5	4'-6"	U
s	50	#4	9'-5"	U
s1	25	#4	5'-4"	U
s2	25	#4	5'-3"	U
u	8	#4	34'-3"	—
v1	20	#4	15'-4"	—
v2	8	#4	15'-4"	—
v3	36	#5	9'-4"	—
w	48	#4	8'-9"	—
z	80	#4	4'-8"	—
Item	Unit	Quantity		
Concrete Box Culverts	Cu. Yds.	29.5		
Reinforcement Bars	Lbs.	3060		
Reinforcement Bars, Epoxy Coated	Lbs.	260		
Expansion Bolts 3/4"	Each	60		



FRONT VIEW ELEV WINGWALL REINFORCEMENT



CORNER DETAIL

FILE NAME = ... \200793.GP03.PERRYVILLE.dgn  
THE UPCHURCH GROUP, INC.

USER NAME = Elgin 110  
PLOT SCALE = 20.0000' / IN.  
PLOT DATE = 5/2/2013 2:07:45 PM

DESIGNED - MJS  
DRAWN - LP  
CHECKED - ADB  
DATE - APRIL 30, 2013

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PERRYVILLE ROAD OVER WILLOW CREEK  
END SECTIONS

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

F.A.P. RTE. 303 SECTION 129R COUNTY WINNEBAGO TOTAL SHEETS 968 SHEET NO. 683 CONTRACT NO. 64988 ILLINOIS FED. AID PROJECT

# SOIL BORING



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation/D-2

## SOIL BORING LOG

Page 1 of 1

Date 2/22/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Culvert on Perryville Road, 100' N. of IL 173 LOGGED BY W. Garza

SECTION 129R LOCATION Harlem Twp. - 21NW, SEC. , TWP. 45N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Soil Description				DEPTH H	BLOW S	UCS Qu	MOIST T
					Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	After Hrs.				
BORING NO. <u>B-1d</u> Station <u>252+15</u> Offset <u>35.00ft Rt of EOP</u> Ground Surface Elev. <u>771.10</u> ft	(ft)	(/6")	(tsf)	(%)					(ft)	(/6")	(tsf)	(%)
MEDIUM brown LOAM			0.5 P	17.0								
769.10					MEDIUM tan fine SAND (continued)	750.10			13 14			
STIFF brown LOAM		3			MEDIUM tan SAND with medium GRAVEL				8 12 13			
767.10		3 8	1.8 P	20.0	747.60							
LOOSE tan dry fine SAND		2			End of Boring							
765.10		3 3										
DENSE tan SANDY GRAVEL		10										
762.60		11 31										
DENSE tan SANDY GRAVEL		56										
759.60		15 18										
MEDIUM tan SANDY LOAM with GRAVEL		9	0.8 P	8.0								
757.60		9 12										
VERY STIFF tan SANDY LOAM with GRAVEL		30	2.3 P	9.0								
755.10		15 15										
VERY STIFF tan SANDY LOAM with GRAVEL		17	2.8 P	9.0								
752.60		23 21										
MEDIUM tan fine SAND		25										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation/D-2

## SOIL BORING LOG

Page 1 of 1

Date 2/22/12

ROUTE FAP 303 DESCRIPTION D92-007-93 Culvert on Perryville Road, 100' N. of IL 173 LOGGED BY W. Garza

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STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Soil Description				DEPTH H	BLOW S	UCS Qu	MOIST T
					Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	After Hrs.				
BORING NO. <u>B-2d</u> Station <u>251+33</u> Offset <u>21.00ft Lt of EOP</u> Ground Surface Elev. <u>771.50</u> ft	(ft)	(/6")	(tsf)	(%)					(ft)	(/6")	(tsf)	(%)
MEDIUM dark brown SILTY CLAY LOAM			0.8 P	25.0								
769.50					MEDIUM tan clean medium coarse SAND (continued)	750.50			11 13			
VERY STIFF brown CLAY LOAM		4	2.5 B	28.0	MEDIUM tan fine SAND				6 10 14			
768.00		5 7			748.00							
MEDIUM gray LOAM		4	0.9 B	24.0	End of Boring							
765.00		4 6										
MEDIUM tan fine SAND		7										
763.00		8 9										
DENSE tan SANDY GRAVEL		18										
760.50		22 25										
MEDIUM tan moist SANDY GRAVEL		5										
757.50		7 9										
STIFF tan SANDY LOAM with GRAVEL		6	1.3 P	9.0								
755.00		7 8										
MEDIUM tan fine SAND		4										
753.00		8 10										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

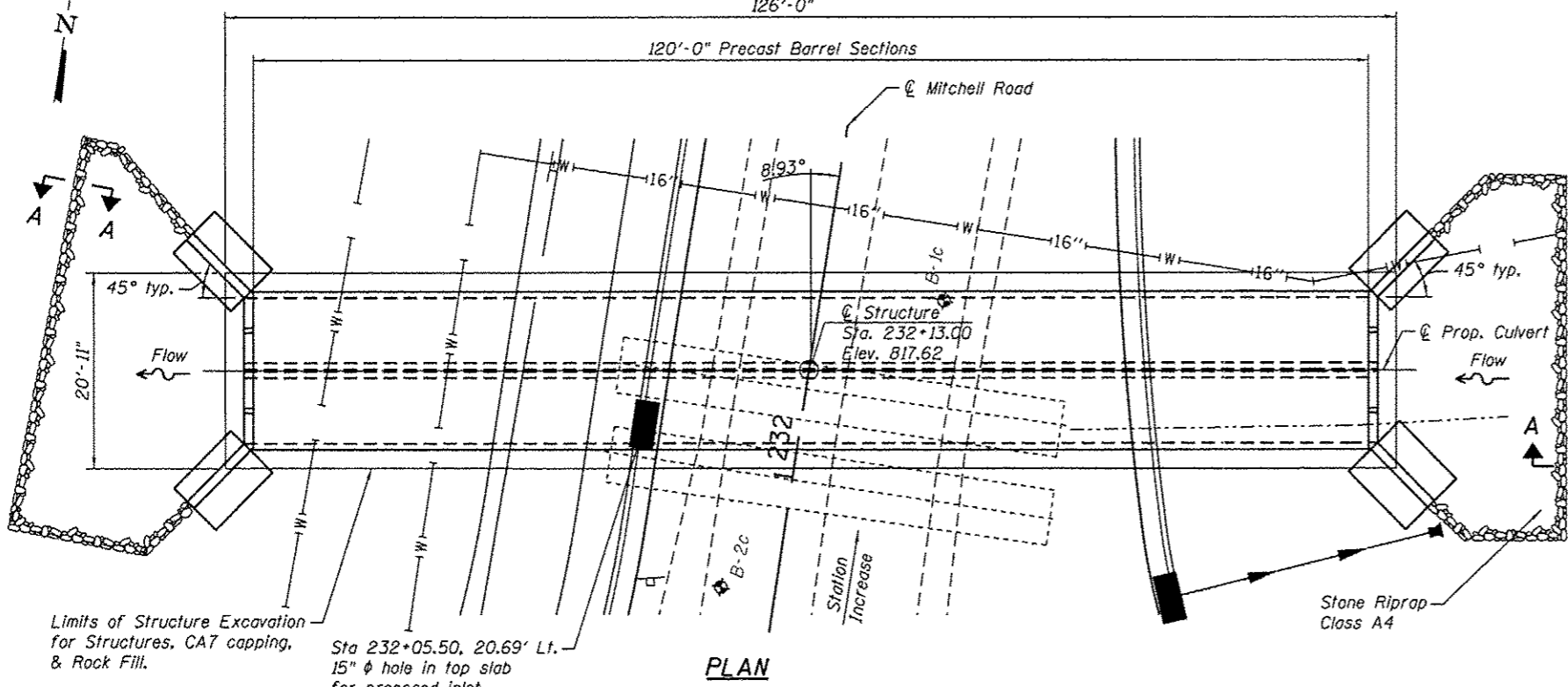
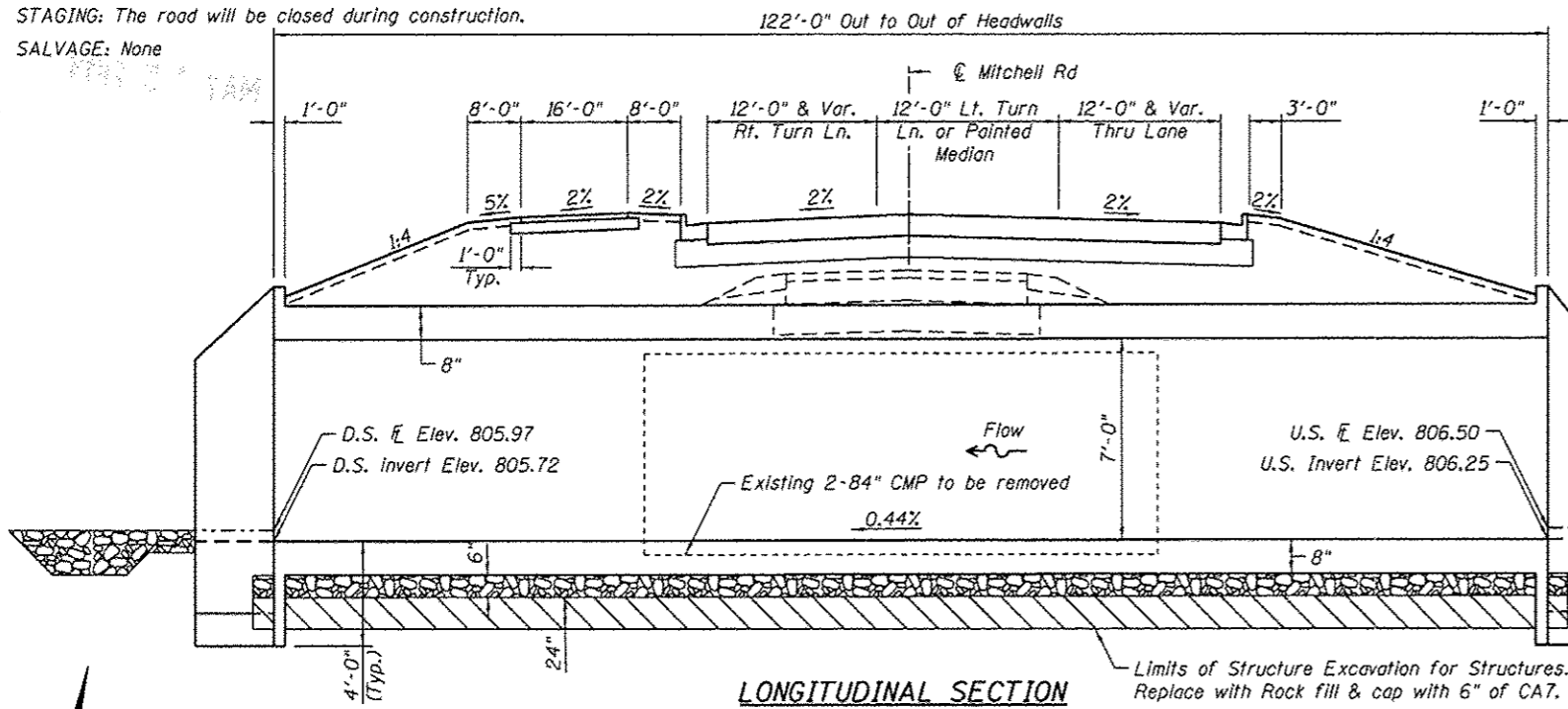
BBS, from 137 (Rev. 8-99)

BENCHMARK: (BM#90246) GPS control point, Left side of  $\text{CL}$  IL 173 STA. 113+78.61, 35.87' Lt., ELEV. = 816.14.

EXISTING STRUCTURE: Double 84" CMP, 48 ft in length, on a 0° skew.

STAGING: The road will be closed during construction.

SALVAGE: None



**WATERWAY INFORMATION**

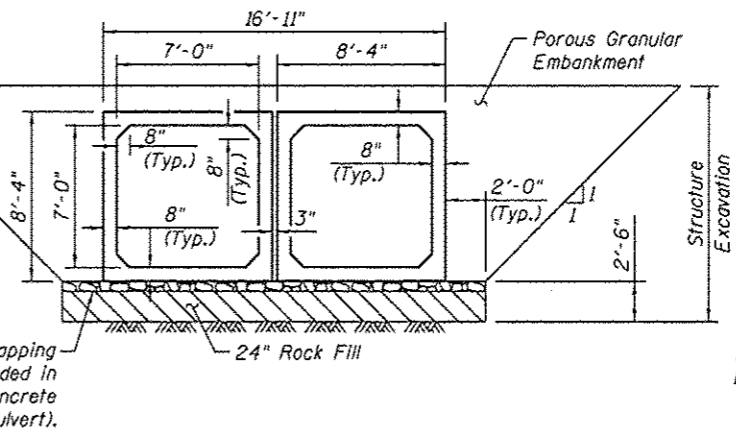
Existing Low Grade Elev. 815.10 ft @ Sta. 231+00  
Proposed Low Grade Elev. 817.61 ft @ Sta. 232+00

Drainage Area = 1.29 Sq. MI

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Ten-Year	10	388	44	42	809.9	809.5	2.1	1.9	812.0	811.4
Design	50	642	52	53	810.5	810.3	3.8	3.2	814.3	813.5
Overtopping	86	746	56	-	810.8	-	4.3	-	815.1	-
Base	100	760	56	56	810.8	810.5	4.4	3.9	815.2	814.4
Max. Calc.	500	1060	61	59	811.2	810.7	4.6	6.4	815.8	817.1

**TOTAL BILL OF MATERIAL**

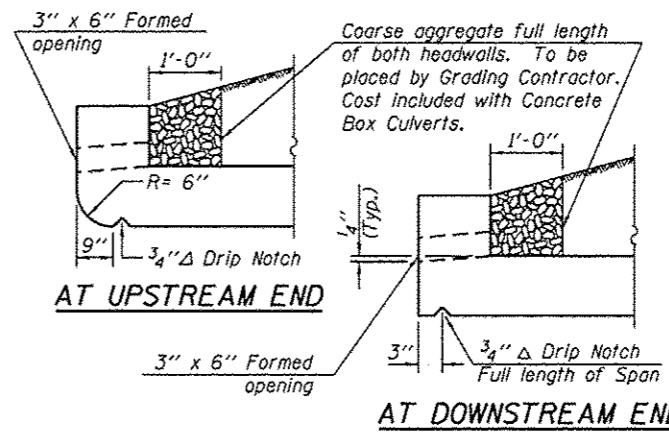
ITEM	UNIT	TOTAL
Reinforcement Bars, Epoxy Coated	Lbs.	400
Reinforcement Bars	Lbs.	2970
Name Plates	Each	1
Precast Concrete Box Culvert 7'x7'	Foot	240
Porous Granular Embankment	Ton	1666
Structure Excavation	Cu.Yd.	641
Concrete Box Culverts	Cu.Yd.	34.2
Rock Fill	Ton	400



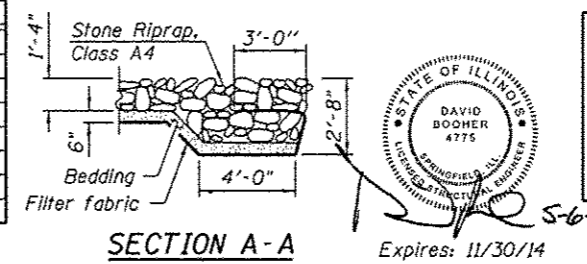
**SECTION THROUGH PRECAST BARREL**

**GENERAL NOTES**

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. See Special Provisions.
2. Precast Concrete box culvert sections shall conform to the requirement of article 540.06 of the Standard Specifications and the applicable requirement of ASTM C 1577.
3. The removal and replacement required for the culvert barrel installation is based on the recommendation of the District Geotechnical Engineer. Limits and quantities of removal and replacement may adjust based on conditions encountered in the field when approved by the Engineer.
4. Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
5. Exposed edges shall have a 3/4" chamfer.
6. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
7. Prior to commencing work, the Contractor shall verify the location of all existing utilities. Work shall be completed in such a manner so as not to disturb or damage the existing utilities.
8. Reinforcement bars designated (E) shall be epoxy coated.



**DRAIN DETAIL**



**SECTION A-A**

STATION 232+13.00  
BUILT 20 BY  
STATE OF ILLINOIS  
F.A.P. RT 303 SEC. 129R  
LOADING HL-93  
STRUCTURE NO. 101-1327

**NAME PLATE**  
See Std. 515001

**DESIGN SPECIFICATIONS**  
AASHTO LRFD Design Specifications,  
5th Edition with 2010 Interim Revisions

**DESIGN STRESSES**

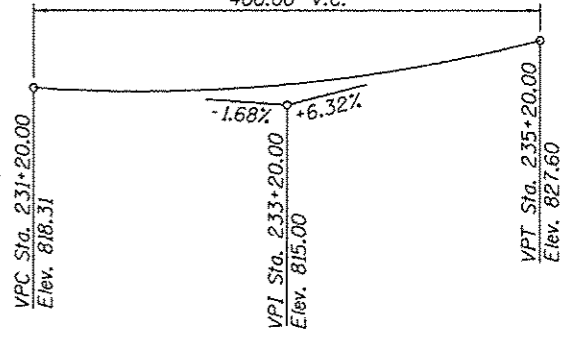
**FIELD UNITS**  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**LOADING HL-93**

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. (S<sub>01</sub>) = .076g  
Design Spectral Acceleration at 0.2 sec. (S<sub>05</sub>) = .125g  
Soil Site Class = D

ex = 4.00'  
k = 50  
400.00' V.C.



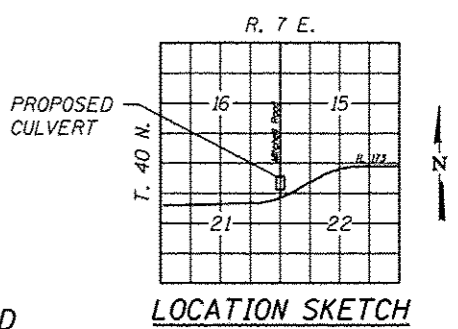
**PROFILE GRADE**

**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevation (ft.)	Upstream	Downstream
	802.50	802.00

**INDEX OF SHEETS**

1. General Plan
2. Cast-In-Place End Section Details
3. Soil Boring Logs



**GENERAL PLAN**  
**MITCHELL ROAD**  
**OVER UNNAMED TRIBUTARY**  
**TO WILLOW CREEK**  
**SECTION 129R**  
**WINNEBAGO COUNTY**  
**STATION 232+13**  
**STRUCTURE NO. 101-1327**

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MODEL: DeFault  
PLOT DRIVER: VBI\_Swp\_1001\_BW.plt



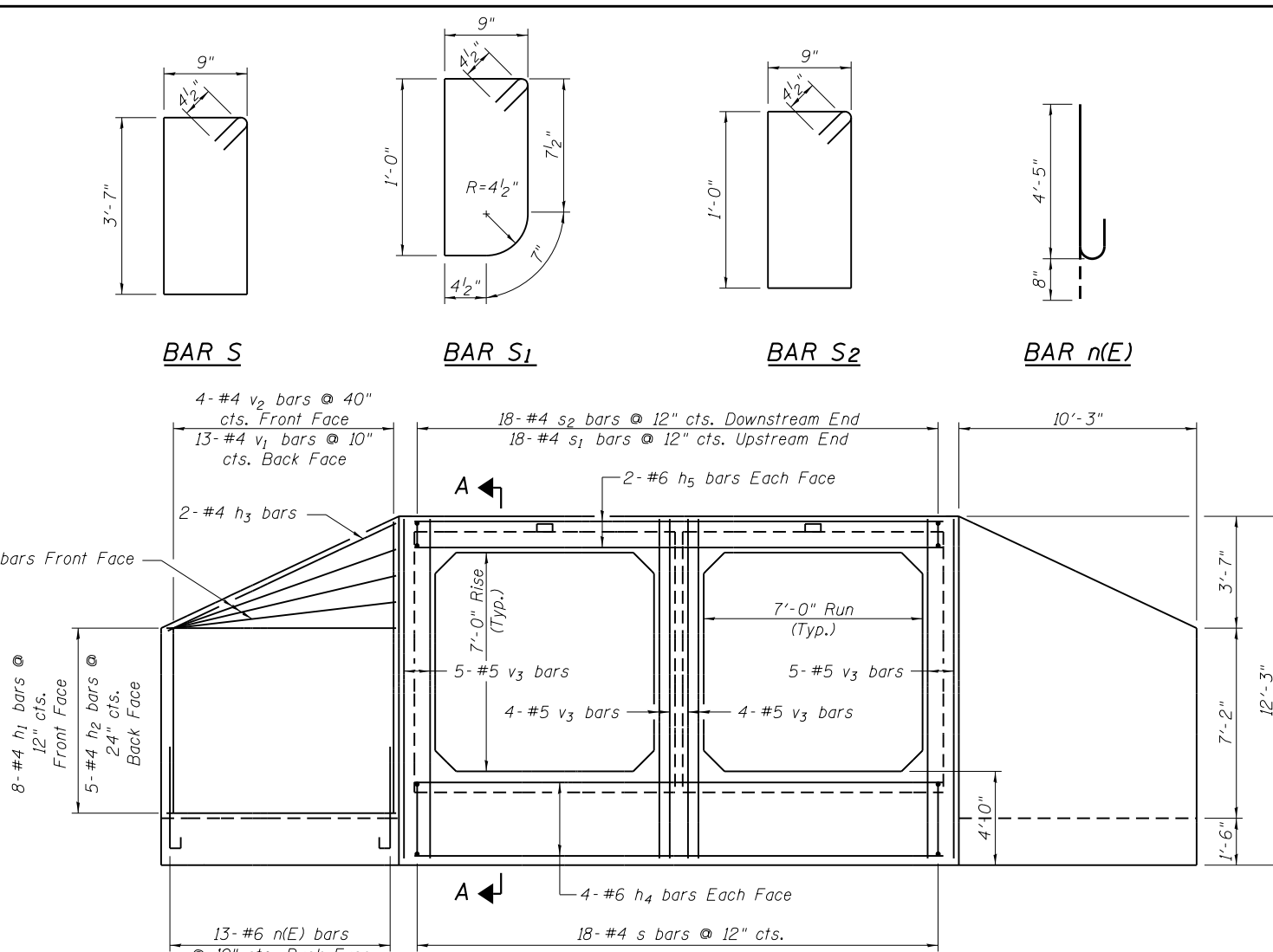
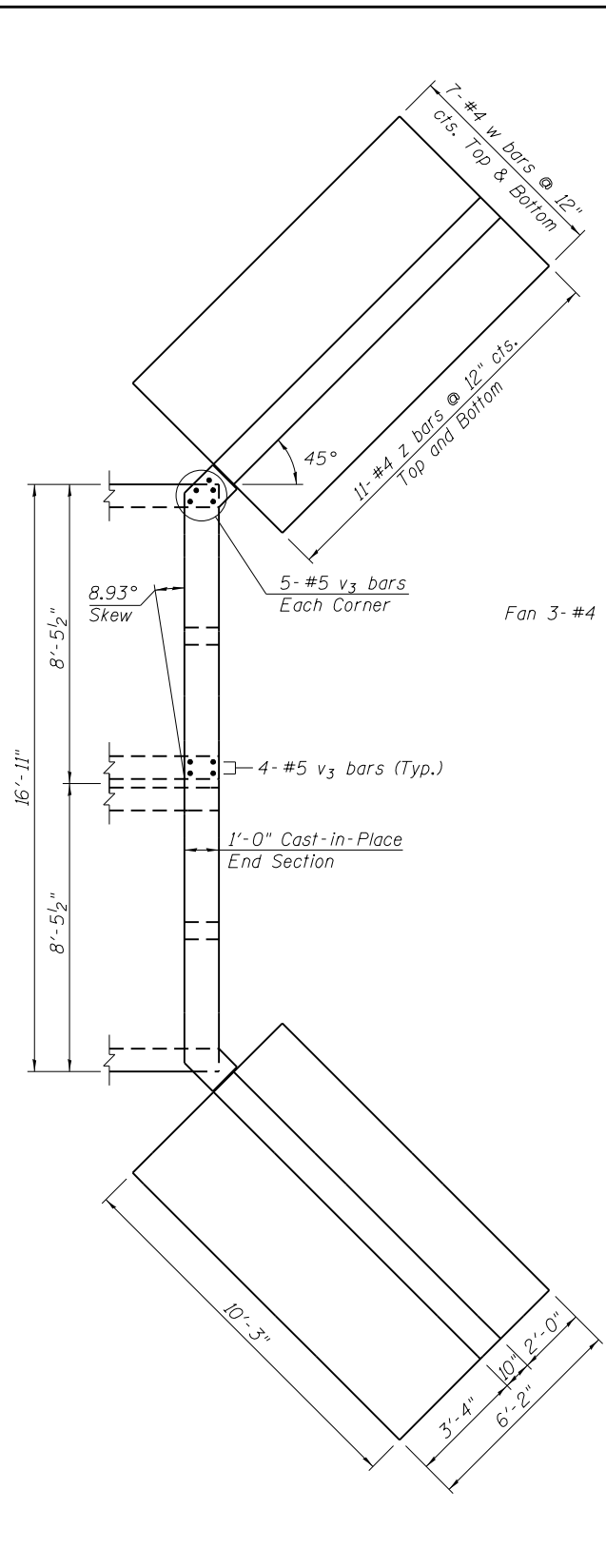
USER NAME	DESIGNED	REVISIONS
RJP	RJP	1
DRB	DRB	2
JTF	JTF	3
DRB	DRB	4

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

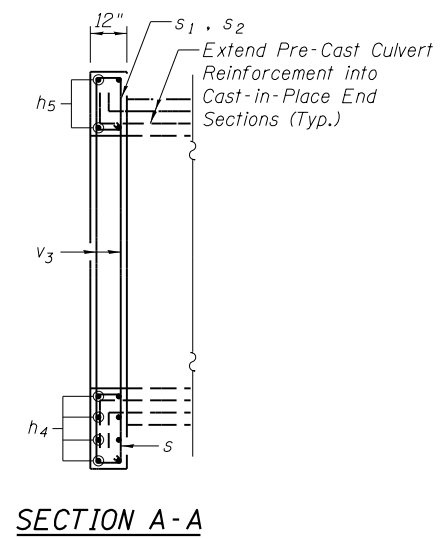
GENERAL PLAN  
MITCHELL ROAD OVER UNNAMED TRIBUTARY  
SHEET NO. 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	9	685

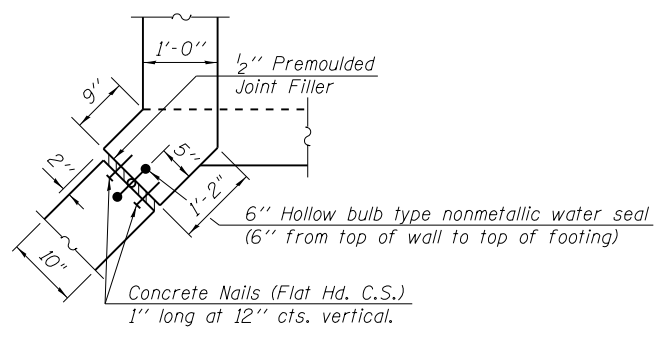
CONTRACT NO. 64988  
ILLINOIS FED. AID PROJECT



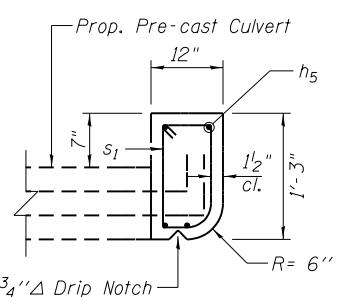
**FRONT VIEW ELEV  
WINGWALL REINFORCEMENT**



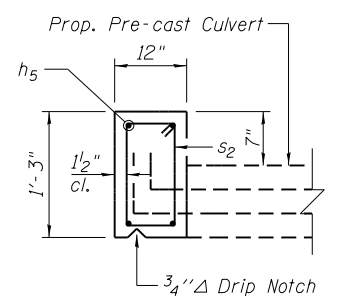
**SECTION A-A**



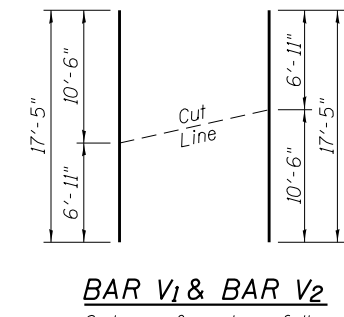
**CORNER DETAIL**



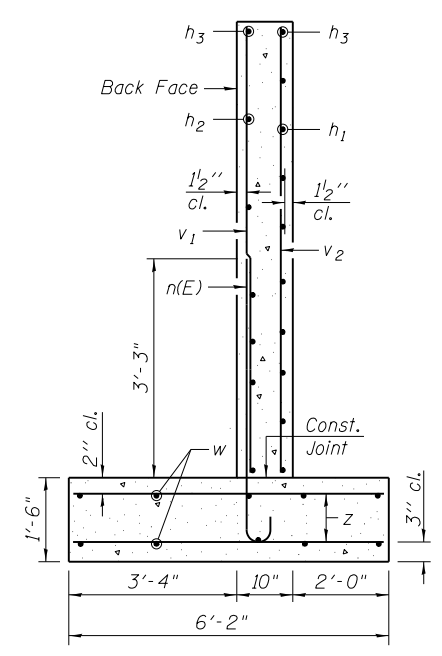
**UPSTREAM**



**DOWNSTREAM  
HEADWALL DETAILS**



**BAR V1 & BAR V2**  
Order v1 & v2 bars full depth. Cut as shown and use remainder of bars in other Wingwall



**SECTION THRU  
WINGWALL**

**BILL OF MATERIAL**  
(For two End Sections)

Bar	No.	Size	Length	Shape
h1	44	#4	10'-0"	—
h2	20	#4	10'-0"	—
h3	8	#4	10'-5"	—
h4	16	#6	16'-7"	—
h5	8	#6	16'-7"	—
n(E)	52	#6	5'-1"	C
s	36	#4	9'-5"	□
s1	18	#4	4'-1"	□
s2	18	#4	4'-3"	□
v1	26	#4	17'-5"	—
v2	8	#4	17'-5"	—
v3	36	#5	12'-0"	—
w	56	#4	9'-10"	—
z	88	#4	5'-11"	—
Item		Units	Quantity	
Concrete Box Culverts		Cu. Yds.	34.2	
Reinforcement Bars		Lbs.	2970	
Reinforcement Bars (Epoxy Coated)		Lbs.	400	

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PLOT DRIVER = V8...IDOT\_PDF...11x17.pltcf9



USER NAME =	DESIGNED - RJP	REVISED
	CHECKED - DRB	REVISED
PLOT SCALE =	DRAWN - JTF	REVISED
PLOT DATE =	CHECKED - DRB	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CAST-IN-PLACE END SECTION DETAILS  
MITCHELL ROAD OVER UNNAMED TRIBUTARY**

SHEET NO. 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	686
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



BENCHMARK: (BM#410) Chisled Square in traffic controller, Right side of  $\text{CL}$  IL 173 STA. 1058+48.15', 69.33' RT., ELEV. = 757.95.  
 EXISTING STRUCTURE: Triple 84" EORS Arch Pipe, 96ft in Length, on a 0° skew.  
 TRAFFIC CONTROL METHOD: Staged Construction.  
 SALVAGE: None

**DESIGN SPECIFICATIONS**  
 AAASHTO LRFD Bridge Design Specifications,  
 5th Edition with 2010 Interim Revisions

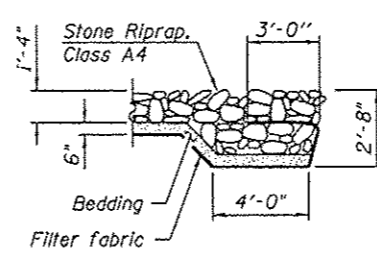
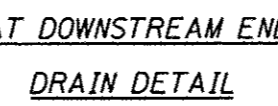
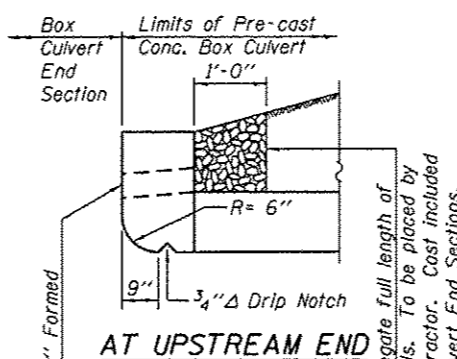
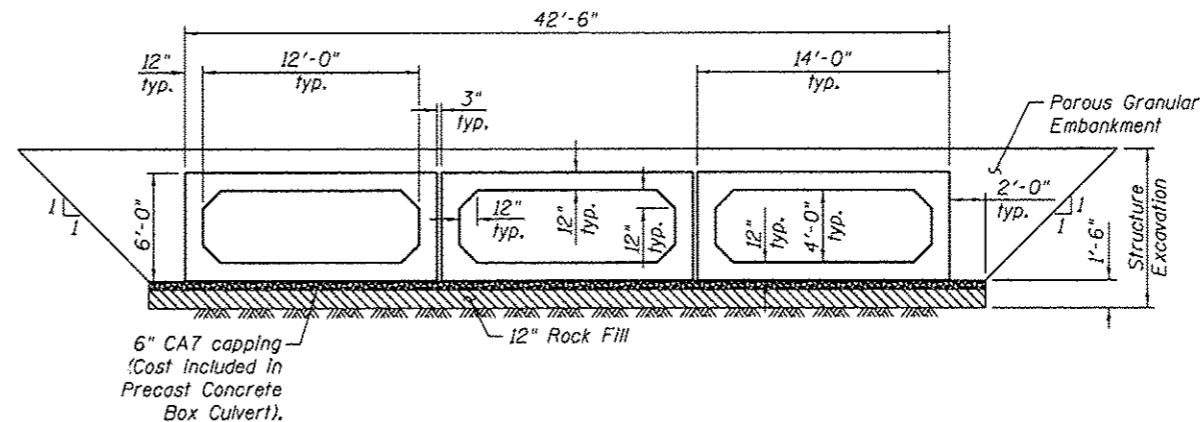
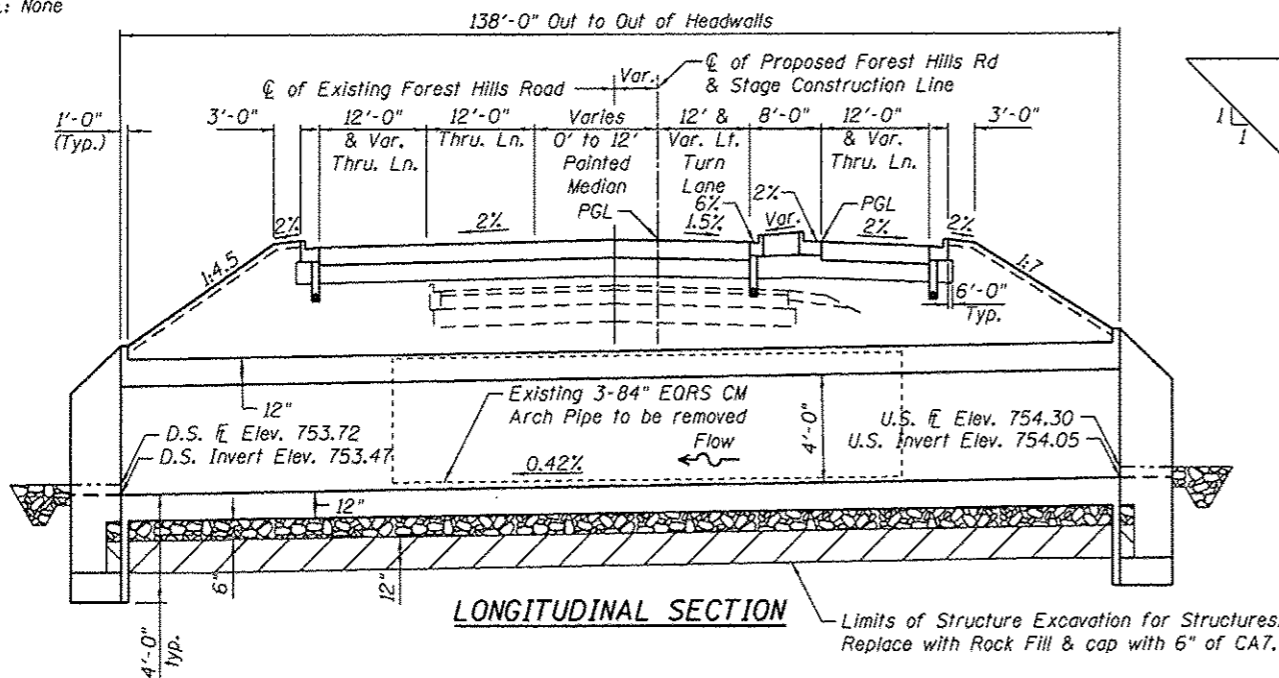
**DESIGN STRESSES**  
**FIELD UNITS**

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

**LOADING HL-93**

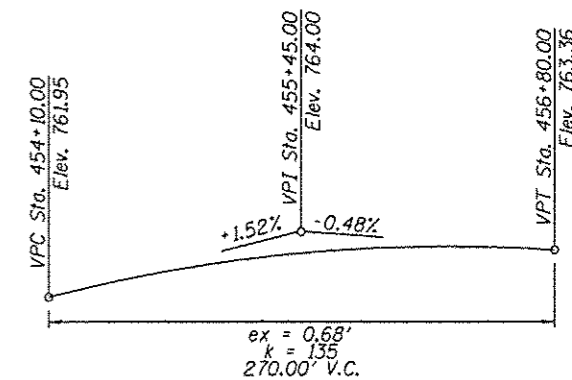
**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. ( $S_{D1}$ ) = .076g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{D5}$ ) = .125g  
 Soil Site Class = D



**GENERAL NOTES**

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. See Special Provisions.
2. Precast Concrete box culvert sections shall conform to the requirement of article 540.06 of the Standard Specifications and the applicable requirement of ASTM C 1577.
3. The removal and replacement required for the culvert barrel installation is based on the recommendation of the District Geotechnical Engineer. Limits and quantities of removal and replacement may adjust based on conditions encountered in the field when approved by the Engineer.
4. Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
5. Exposed edges shall have a  $\frac{3}{4}$ " chamfer.
6. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
7. Prior to commencing work, the Contractor shall verify the location of all existing utilities. Work shall be completed in such a manner so as not to disturb or damage the existing utilities.
8. Reinforcement bars designated (E) shall be epoxy coated.

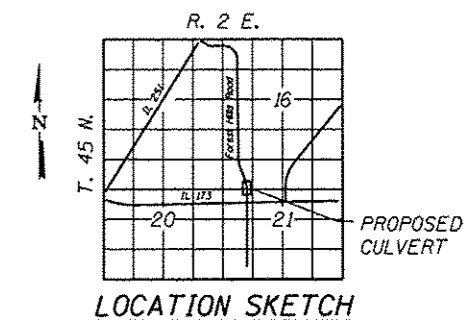


**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevation (ft.)	Upstream	Downstream
	750.30	749.72

**INDEX OF SHEETS**

1. General Plan
2. Staging Details
3. Cast-In-Place End Section Details
4. Soil Boring Logs



**GENERAL PLAN**  
**FOREST HILLS ROAD OVER UNNAMED TRIBUTARY TO WILLOW CREEK SECTION 129R WINNEBAGO COUNTY STATION 454+70 STRUCTURE NO. 101-1323**

STATION 454+70.00  
 BUILT 20 BY  
 STATE OF ILLINOIS  
 F.A.P. RT 303 SEC. 129R  
 LOADING HL-93  
 STRUCTURE NO. 101-1323

**NAME PLATE**  
 See Std. 515001



FILE NAME = 1812020-62813-201-CP.dwg  
 MODEL = Default  
 PLOT DRIVER = Y81\_Shp.ctb

USER NAME	DESIGNED	REVISOR
RJP	RJP	
DRB	DRB	
JTF	JTF	
DRB	DRB	

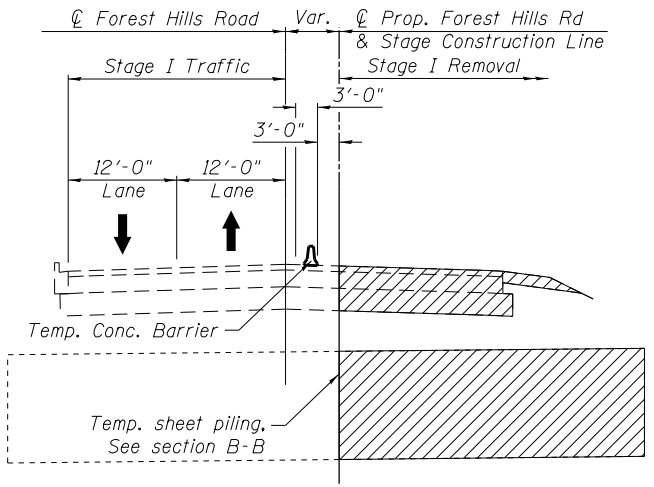
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN  
 FOREST HILLS ROAD OVER UNNAMED TRIBUTARY  
 SHEET NO. 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	96	100

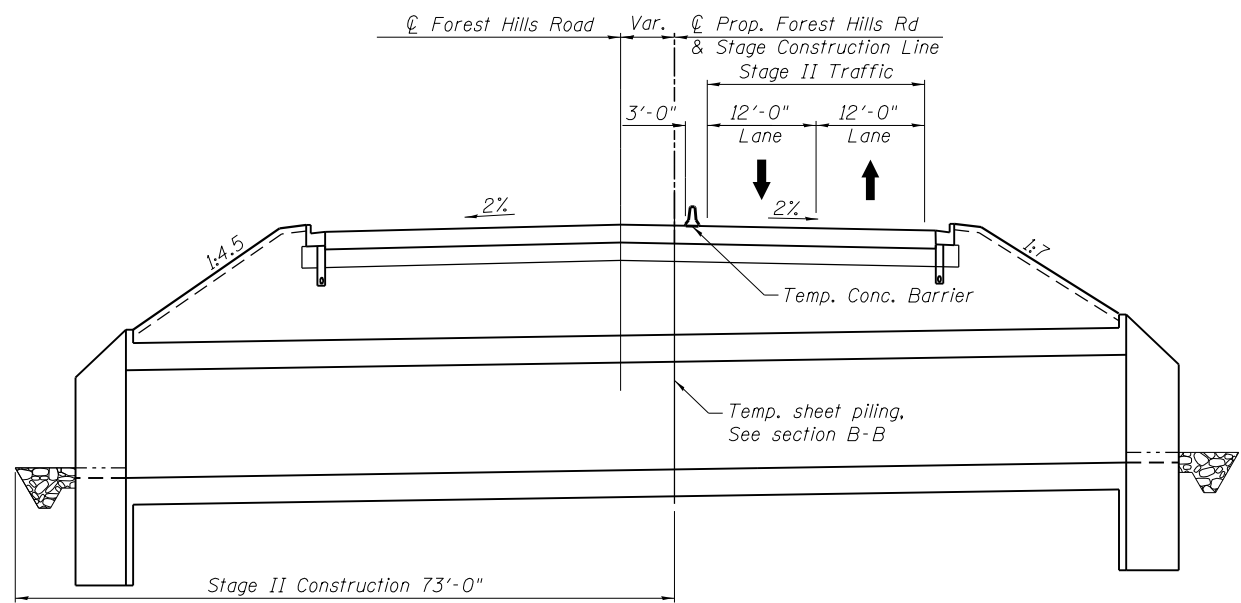
CONTRACT NO. 64988  
 ILLINOIS FED. AID PROJECT



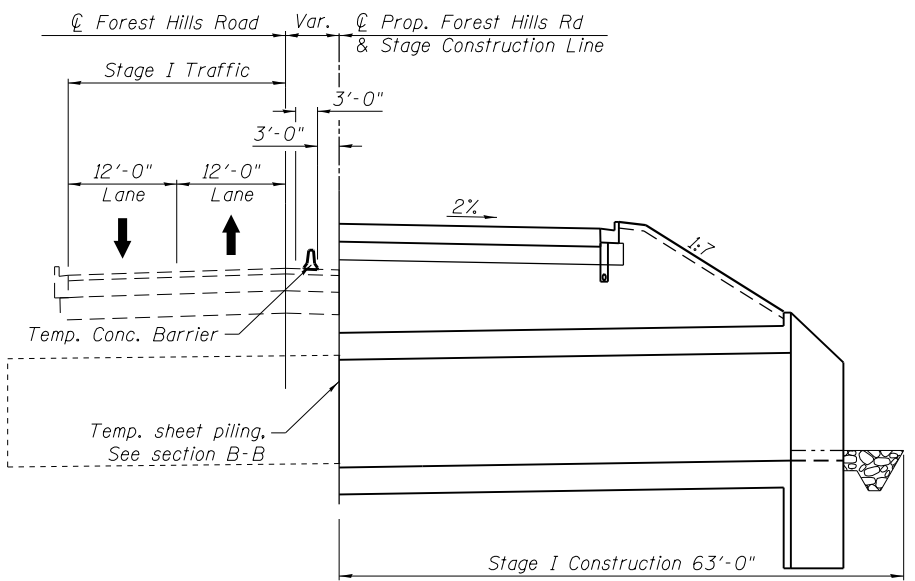


**STAGE I REMOVAL**

**Legend**  
 Indicates portions of Existing Pavement, fill, Embankment, and Culvert to be removed.



**STAGE II CONSTRUCTION**



**STAGE I CONSTRUCTION**

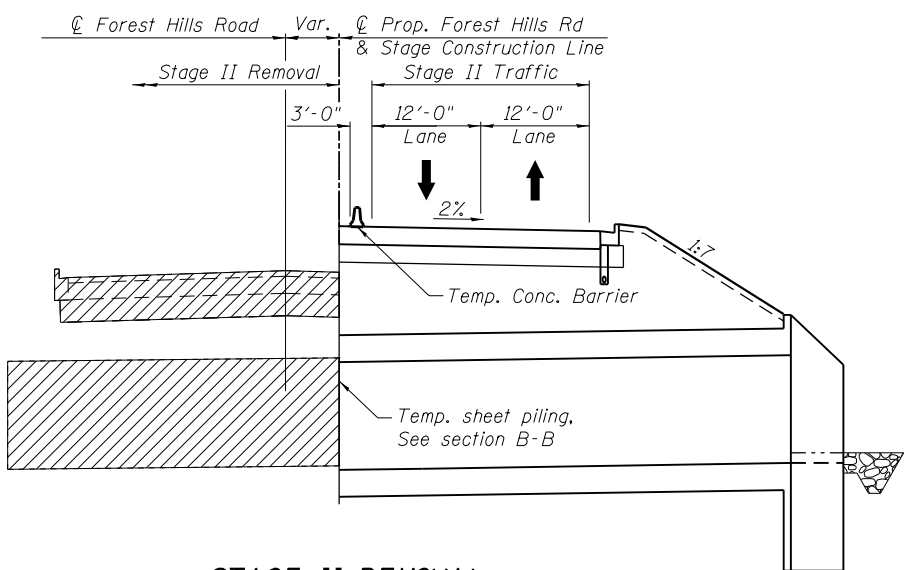
**WATERWAY INFORMATION**

Existing Low Grade Elev. 760.80 ft @ Sta. 454+00				
Proposed Low Grade Elev. 761.50 ft @ Sta. 454+00				
Drainage Area = 1.9 Sq. MI				
Flood	Freq. Yr.	Q C.F.S.	Headwater El.	
			Existing	Proposed
TEN-YEAR	10	506	759.18	757.39
Overtopping	34	770	760.80	-
Design	50	841	-	758.68
Base	100	996	-	759.30
Max. Calc.	500	1390	-	716.16

**TOTAL BILL OF MATERIAL**

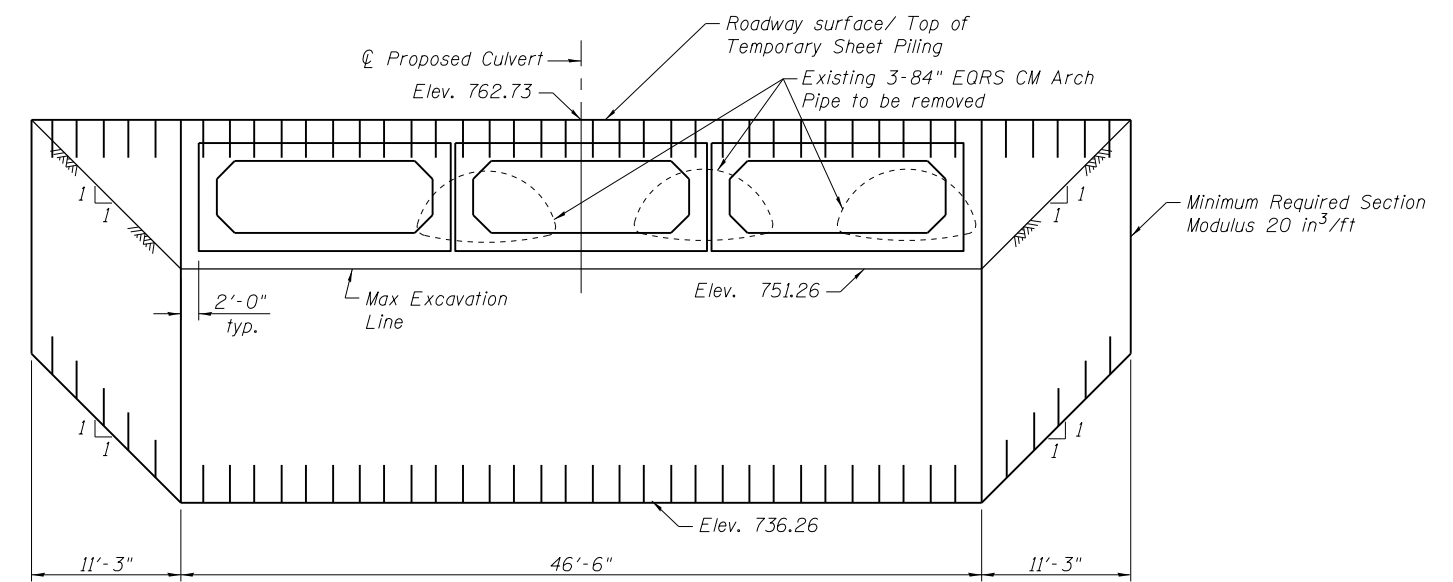
ITEM	UNIT	TOTAL
Reinforcement Bars, Epoxy Coated	Lbs.	60
Reinforcement Bars	Lbs.	3780
Name Plates	Each	1
Precast Concrete Box Culvert 12'x4'	Foot	408
Porous Granular Embankment	Ton	1288
Structure Excavation	Cu.Yd.	1464
Concrete Box Culverts	Cu.Yd.	33.6
Rock Fill	Ton	501
Temporary Sheet Piling	Sq. Ft.	1697

100% paid by VMP



**STAGE II REMOVAL**

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.



**SECTION B-B**  
(Temporary Sheet Piling)

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	CHECKED - DRB	REVISED
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PLOT DATE =	CHECKED - DRB	REVISED

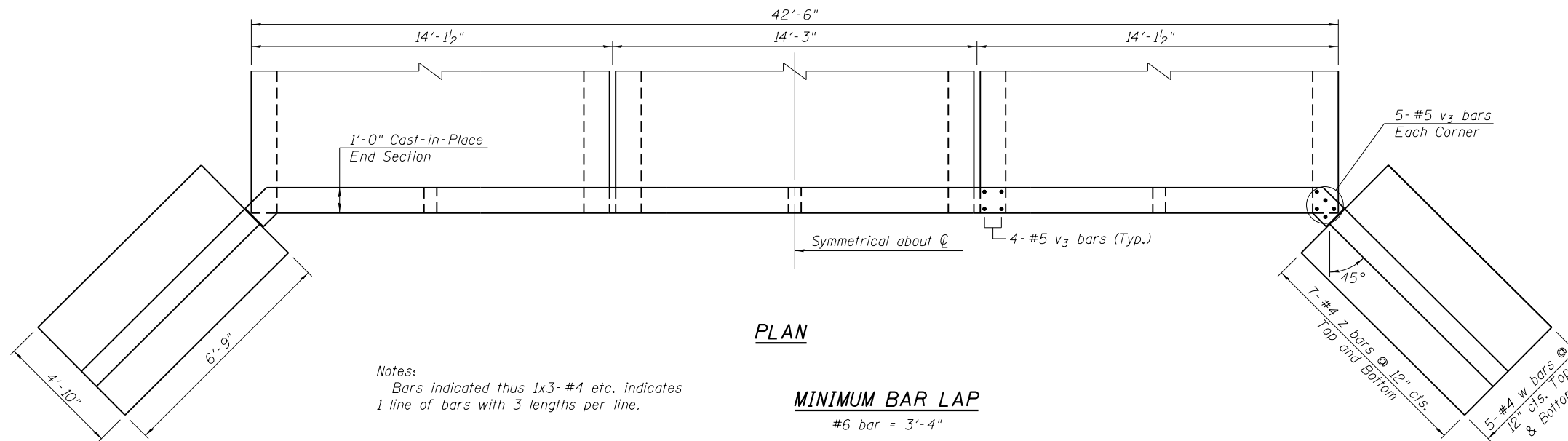
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STAGING DETAILS  
 FOREST HILLS ROAD OVER UNNAMED TRIBUTARY

SHEET NO. 2 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	689
CONTRACT NO. 64988				

ILLINOIS FED. AID PROJECT

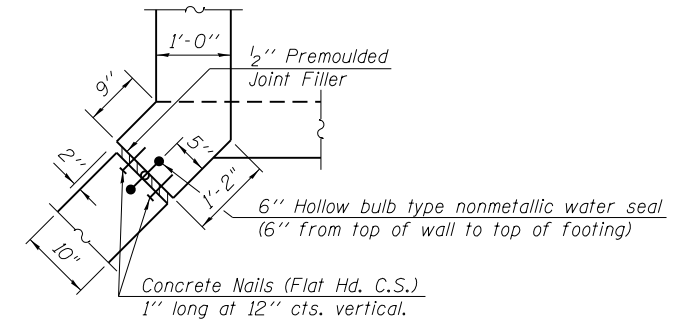


PLAN

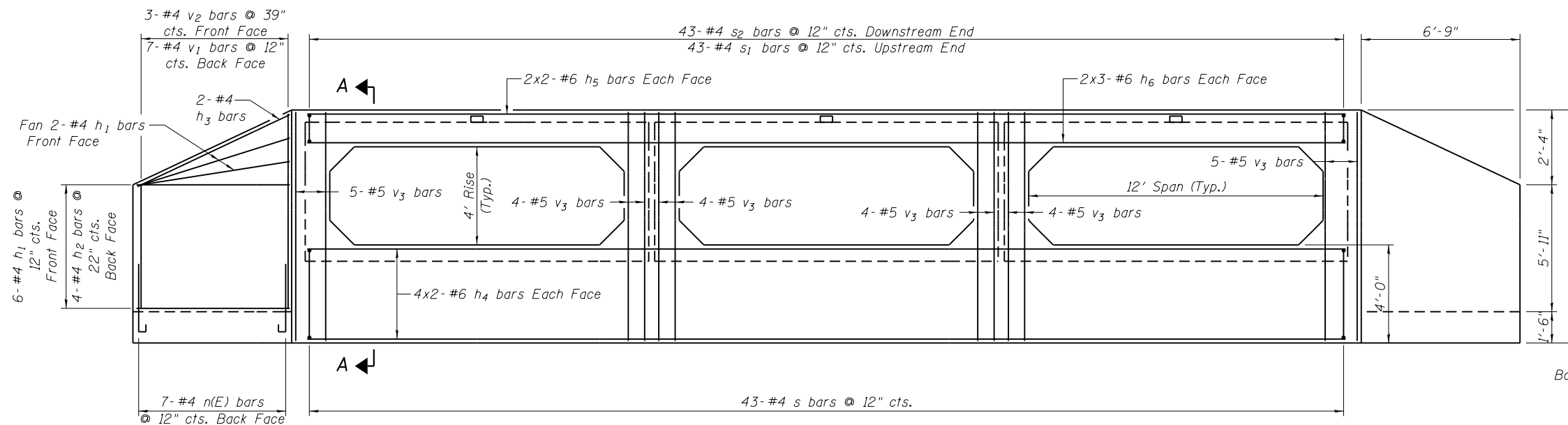
**MINIMUM BAR LAP**

#6 bar = 3'-4"

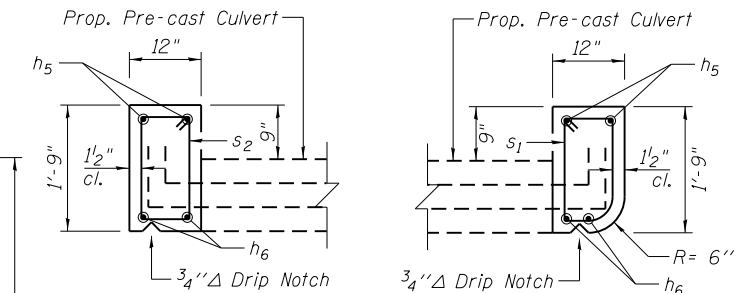
Notes:  
Bars indicated thus 1x3-#4 etc. indicates  
1 line of bars with 3 lengths per line.



CORNER DETAIL



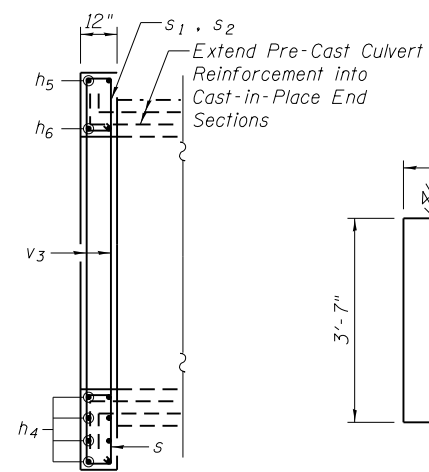
FRONT VIEW ELEV.  
WINGWALL REINFORCEMENT



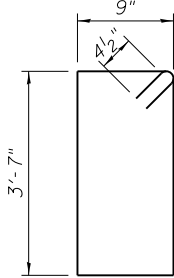
DOWNSTREAM

UPSTREAM

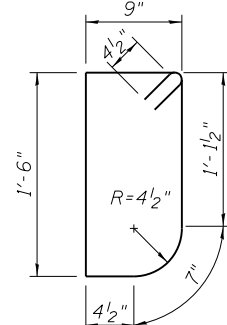
HEADWALL DETAILS



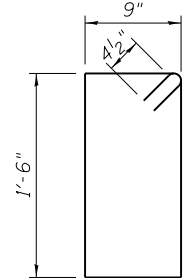
SECTION A-A



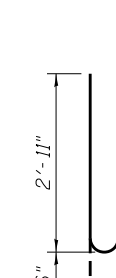
BAR S



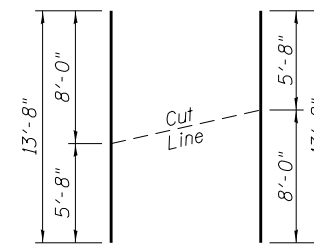
BAR S1



BAR S2

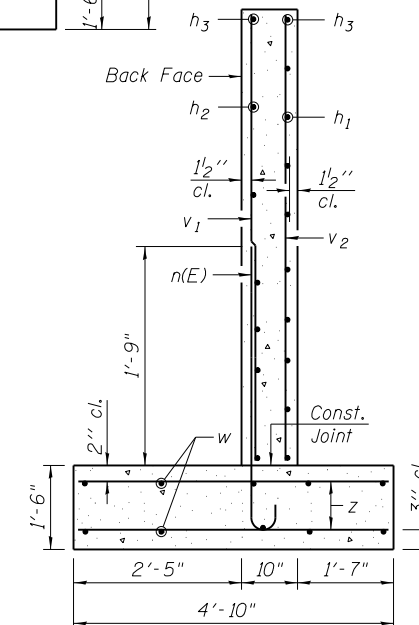


BAR n(E)



BAR V1 & BAR V2

Order v1 & v2 bars full depth. Cut as shown and use remainder of bars in other Wingwall



SECTION THRU  
WINGWALL

**BILL OF MATERIAL**

(For two End Sections)

Bar	No.	Size	Length	Shape
h1	32	#4	6'-6"	—
h2	16	#4	6'-6"	—
h3	8	#4	6'-9"	—
h4	32	#6	22'-9"	—
h5	8	#6	22'-9"	—
h6	12	#6	16'-3"	—
n(E)	28	#4	3'-5"	—
s	86	#4	9'-5"	□
s1	43	#4	5'-1"	□
s2	43	#4	5'-3"	□
v1	14	#4	13'-8"	—
v2	6	#4	13'-8"	—
v3	52	#5	9'-6"	—
w	40	#4	6'-5"	—
z	56	#4	4'-6"	—
Item	Units	Quantity		
Concrete Box Culverts	Cu. Yds.	33.6		
Reinforcement Bars	Lbs.	3780		
Reinforcement Bars (Epoxy Coated)	Lbs.	60		

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PLOT DATE =	DRAWN - JTF	REVISED
	CHECKED - DRB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE END SECTION DETAILS  
FOREST HILLS ROAD OVER UNNAMED TRIBUTARY

SHEET NO. 3 OF 4 SHEETS

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 690
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



### SOIL BORING LOG

ROUTE FAP 303 DESCRIPTION D92-007-93 Triple Pipe, N. of IL 173 on Forest Hills Road LOGGED BY W. Garza  
 SECTION 129R LOCATION Harlem Twp. - 16SW, SEC., TWP. 45N, RNG. 2E  
 COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	DEPTH H	BLOW S	UCS Qu	MOIST T	Description	ELEVATION ft	DEPTH H	BLOW S	UCS Qu	MOIST T	
																		(ft)
Gravel Shoulder																		
VERY STIFF brown SANDY LOAM	97.50	3																
	96.00	5 7	2.5 P	14.0														
STIFF brown SANDY LOAM																		
	93.00	3 4	1.0 P	10.0														
MEDIUM tan dirty SANDY GRAVEL																		
	91.00	4 7																
LOOSE tan dirty SAND																		
	88.50	2 3 4																
MEDIUM tan SANDY GRAVEL																		
	86.00	8 12 11																
MEDIUM tan fine SAND																		
	83.00	9 12 15																
VERY STIFF tan TILL																		
	80.50	14 24	3.9 S	12.0														
		17																

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)



### SOIL BORING LOG

ROUTE FAP 303 DESCRIPTION D92-007-93 Triple Pipe, N. of IL 173 on Forest Hills Road LOGGED BY W. Garza  
 SECTION 129R LOCATION Harlem Twp. - 16SW, SEC., TWP. 45N, RNG. 2E  
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STRUCT. NO. Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter Upon Completion After Hrs.	DEPTH H	BLOW S	UCS Qu	MOIST T	Description	ELEVATION ft	DEPTH H	BLOW S	UCS Qu	MOIST T	
																		(ft)
8.5" Asphalt																		
STIFF brown SANDY LOAM	97.70	9																
	96.20	4 4	1.0 P	14.0														
STIFF brown SANDY LOAM																		
	93.20	3 4 6	1.7 P	14.0														
DENSE tan SANDY GRAVEL																		
	91.20	12 16 20																
MEDIUM tan SANDY GRAVEL																		
	88.70	13 10 8																
DENSE tan dirty SANDY GRAVEL																		
	85.70	15 15 15																
VERY STIFF tan CLAY LOAM																		
	83.70	6 10	3.1 B	20.0														
HARD tan TILL																		
	81.20	10 16 19	4.2 S	10.0														
VERY STIFF gray TILL																		
		10																

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)

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	CHECKED - DRB	REVISED
PLOT SCALE =	DRAWN - JTF	REVISED
PLOT DATE =	CHECKED - DRB	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
 FOREST HILLS ROAD OVER UNNAMED TRIBUTARY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	691
CONTRACT NO. 64988				



**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Side Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

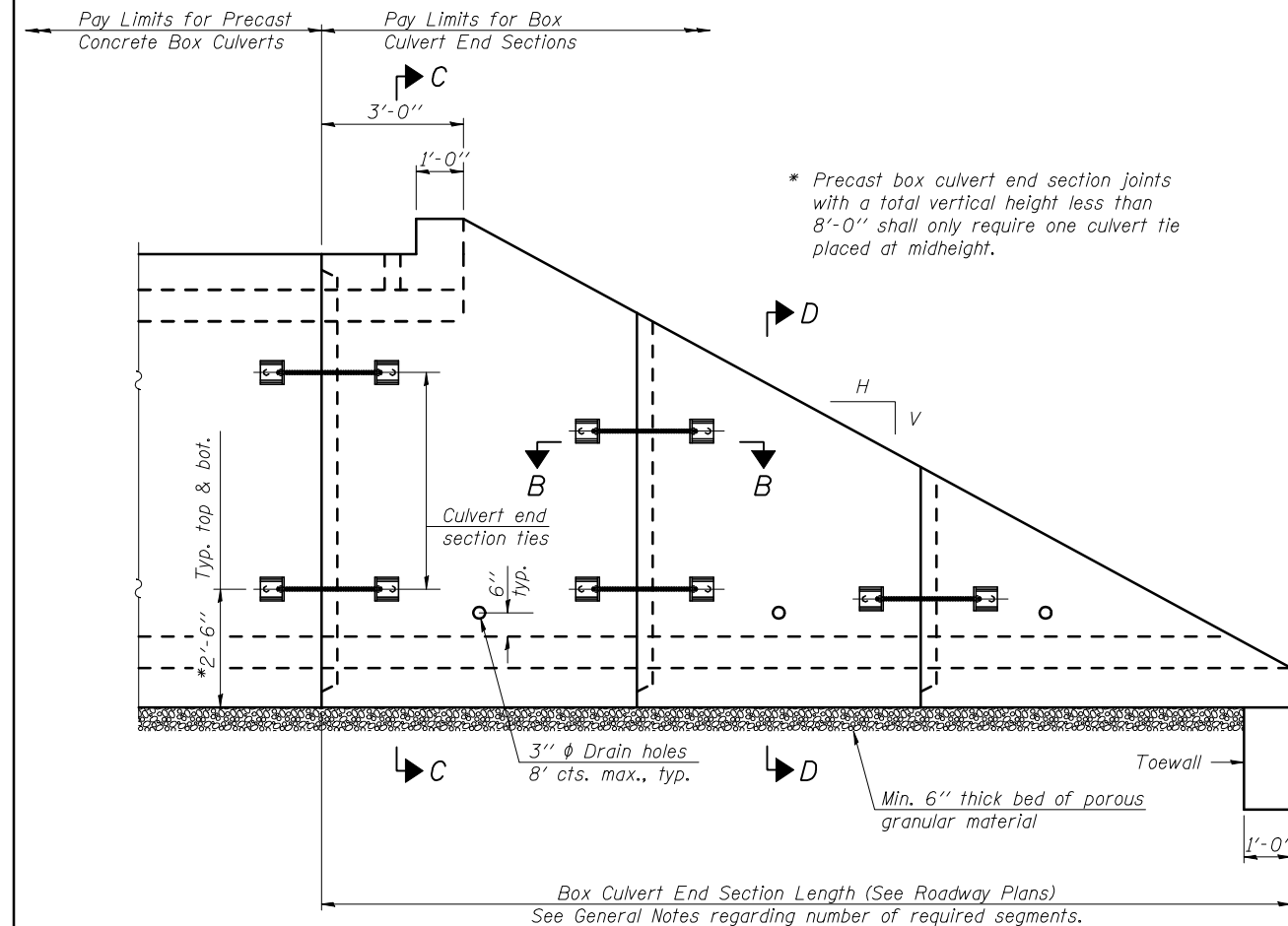
1"  $\phi$  anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the geotextile fabric, toewall, and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

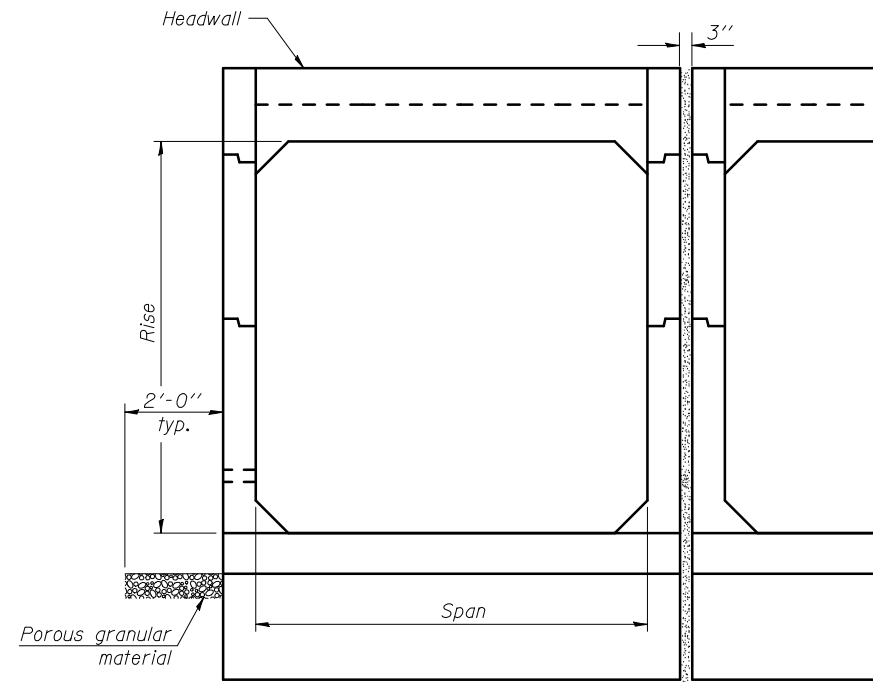
Reinforcement bars designated (E) shall be epoxy coated. Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

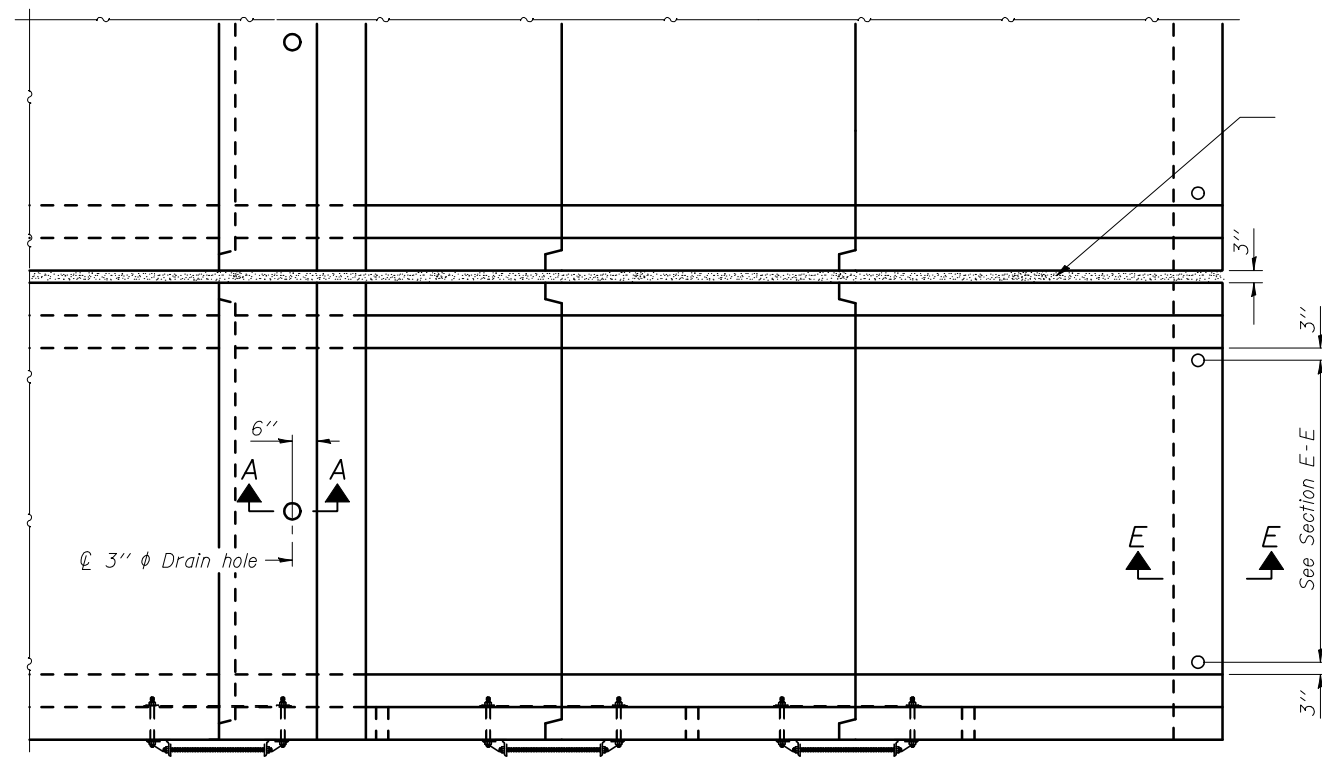
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



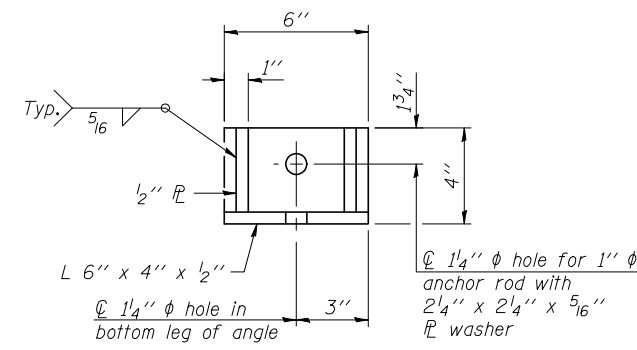
**ELEVATION**



**END VIEW**



**PLAN VIEW**



**RESTRAINT ANGLE DETAIL**

12" x 12" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

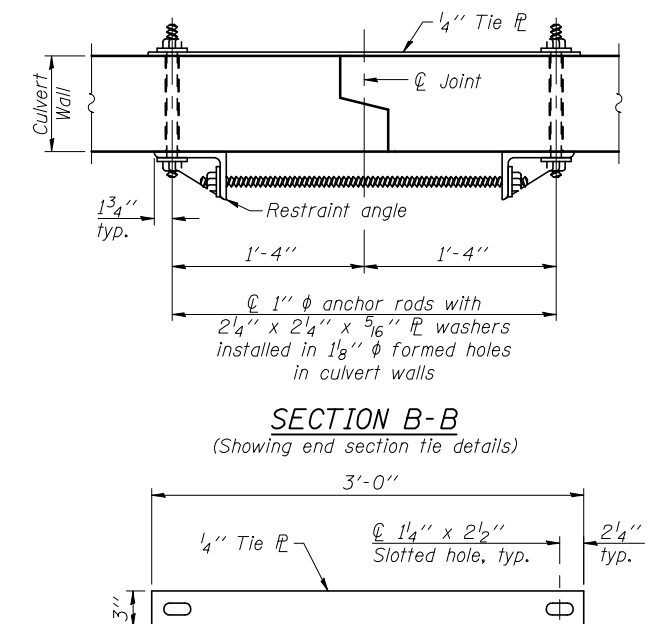
Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3"  $\phi$  PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

**SECTION A-A**

(All costs associated with furnishing and constructing the above drain details will not be measured for payment but shall be included in the contract unit price for the end section.)



**SECTION B-B**

(Showing end section tie details)

**TIE PLATE DETAIL**

10-16-12

FILE NAME	DESIGNED -	REVISED -
*FILES*	CHECKED -	REVISED -
	DRAWN -	REVISED -
PLOT DATE	CHECKED -	REVISED -
5/7/2013		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTIPLE CELL PRECAST BOX CULVERT END SECTIONS**

SHEET NO. 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	693
			CONTRACT NO. 64988	

ILLINOIS FED. AID PROJECT

(Sheet 1 of 2)

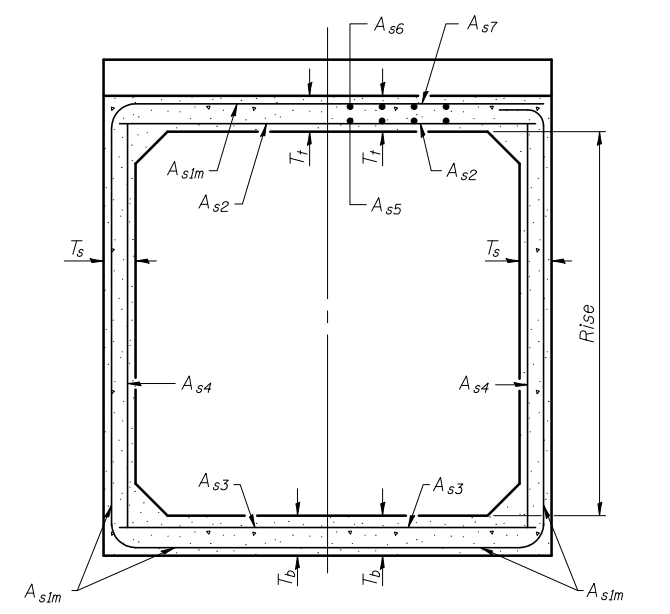
T (in.), T <sub>s</sub> (in.)	Reinforcing Steel A <sub>slm</sub> (in. <sup>2</sup> /ft.)										
	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17									
5	0.26	0.21	0.18								
6		0.26	0.23	0.22							
7		0.33	0.59	0.27	0.28						
8			0.43	0.39	0.36	0.34	0.40				
9				0.43	0.40	0.37	0.36	0.48			
10				0.47	0.44	0.41	0.38	0.42	0.56		
11					0.54	0.46	0.41	0.50	0.65		
12					0.58	0.50	0.45	0.46	0.46	0.75	

(A<sub>slm</sub> reinforcement based upon welded wire fabric conforming to AASHTO M 55 or M 221).

**Notes:**  
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.  
 The size and spacing of the v<sub>2</sub>(E) bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(A<sub>slm</sub>). v<sub>2</sub>(E) bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.  
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

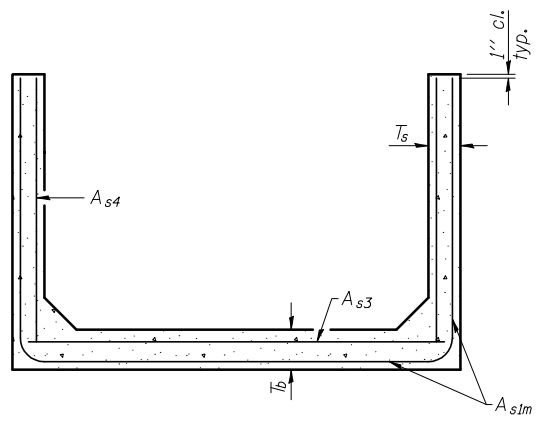
**l<sub>1</sub> DIMENSION**

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

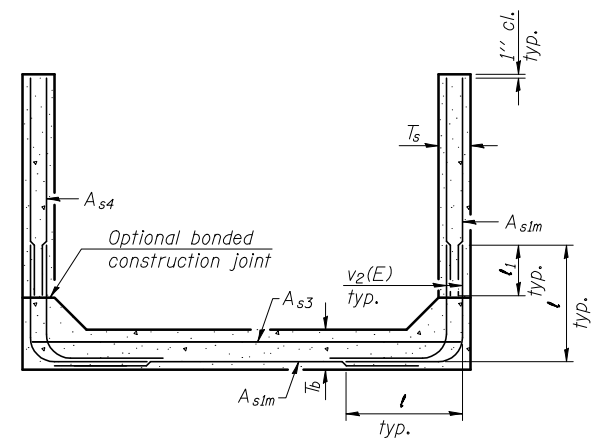


(Design Earth Cover < 2 ft.) (Design Earth Cover ≥ 2 ft.)

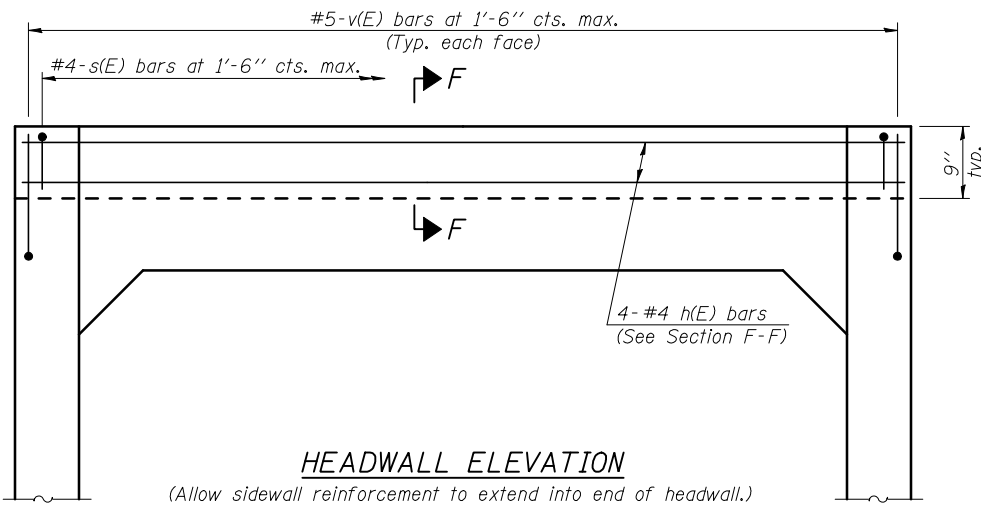
**SECTION C-C**



**SECTION D-D**

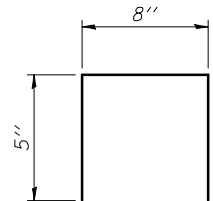


**ALTERNATE SECTION D-D**

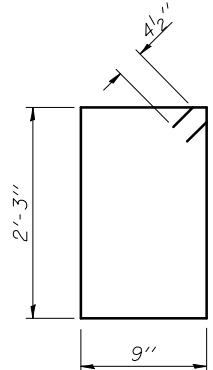


**HEADWALL ELEVATION**

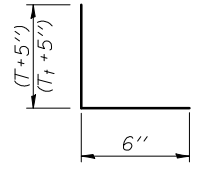
(Allow sidewall reinforcement to extend into end of headwall.)



**BAR s(E)**



**BAR s<sub>1</sub>**



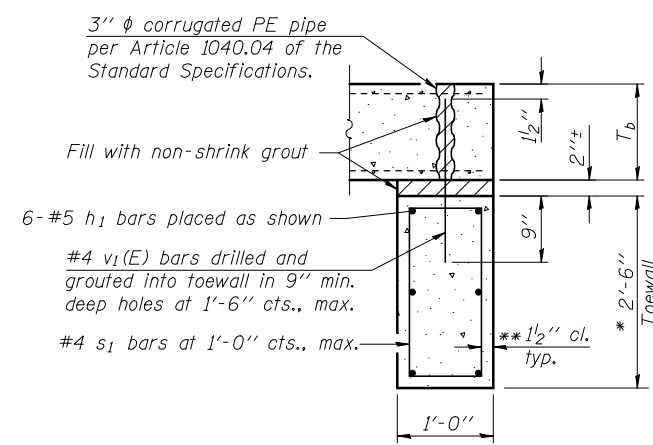
**BAR v(E)**

**TOEWALL CONSTRUCTION SEQUENCE**

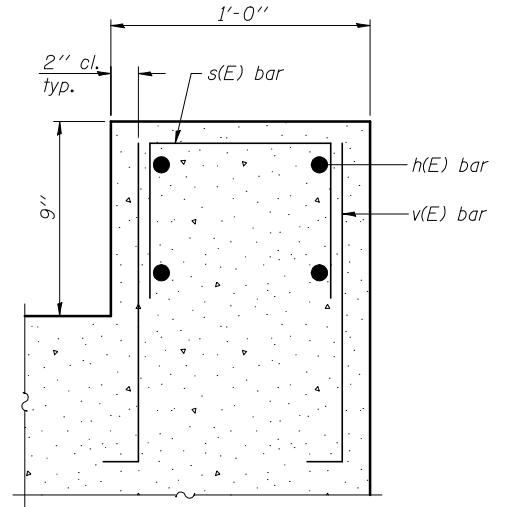
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and grout reinforcement in toewall using approved chemical adhesive in accordance with Section 1027 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.

\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



**SECTION E-E**



**SECTION F-F**

10-16-12

(Sheet 2 of 2)

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Side Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

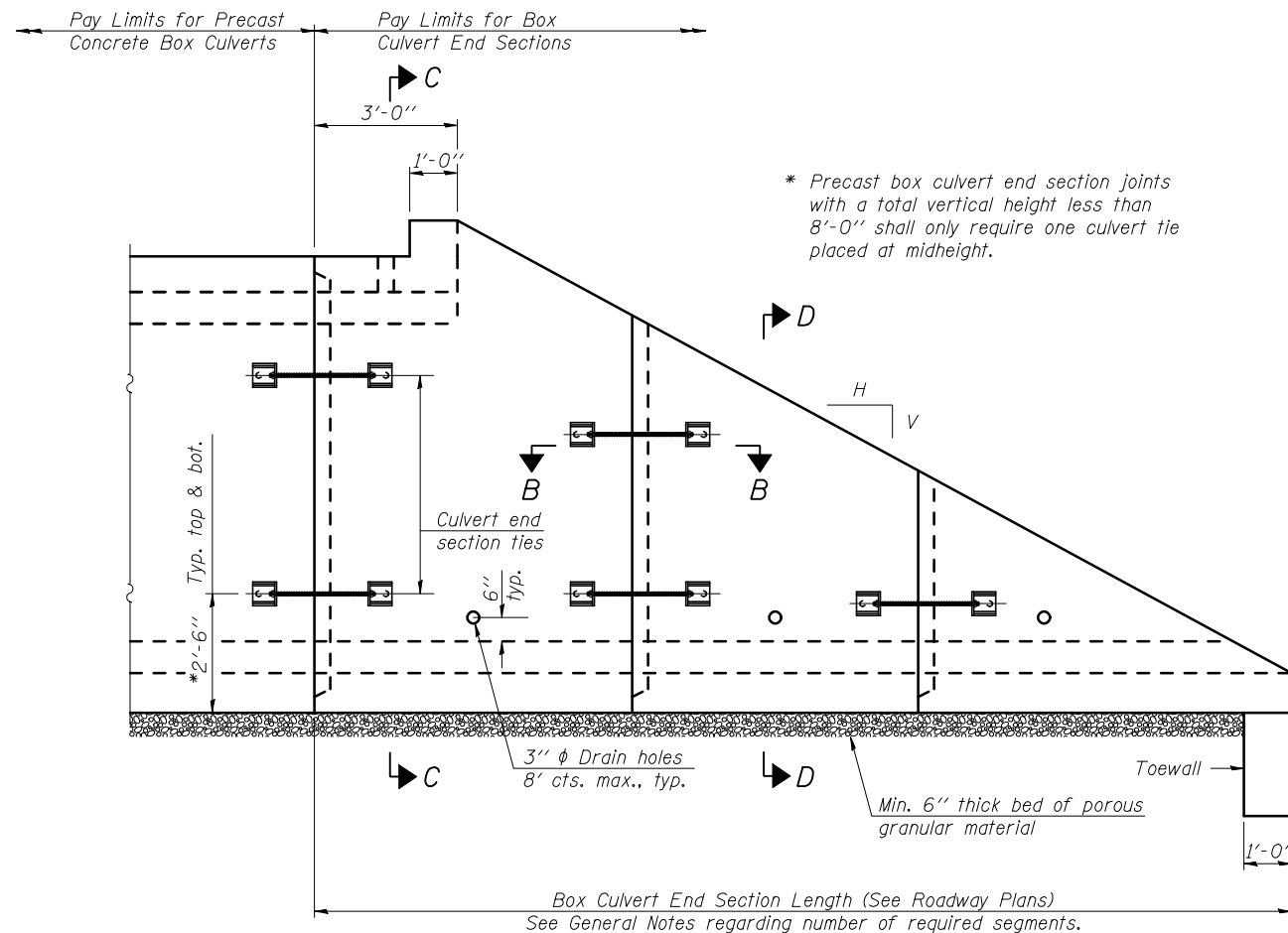
1"  $\phi$  anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the geotextile fabric, toewall, and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

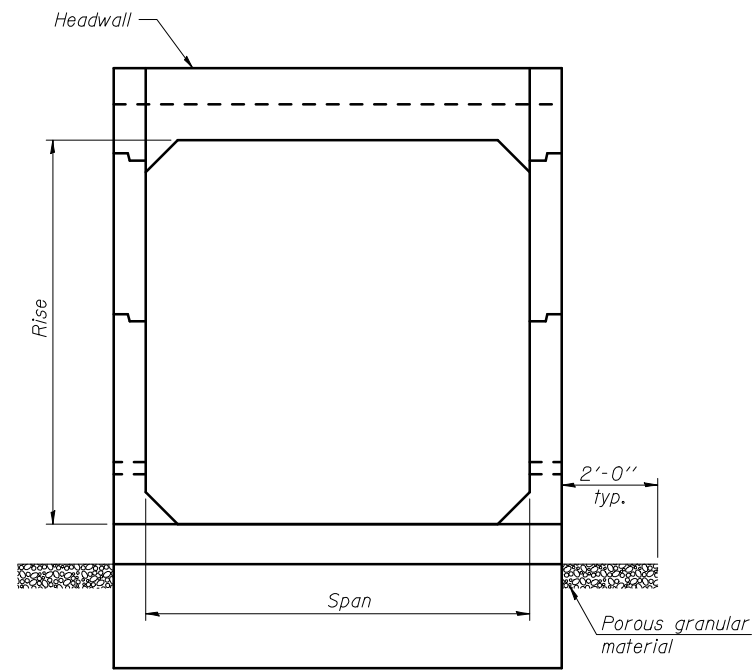
Reinforcement bars designated (E) shall be epoxy coated. Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

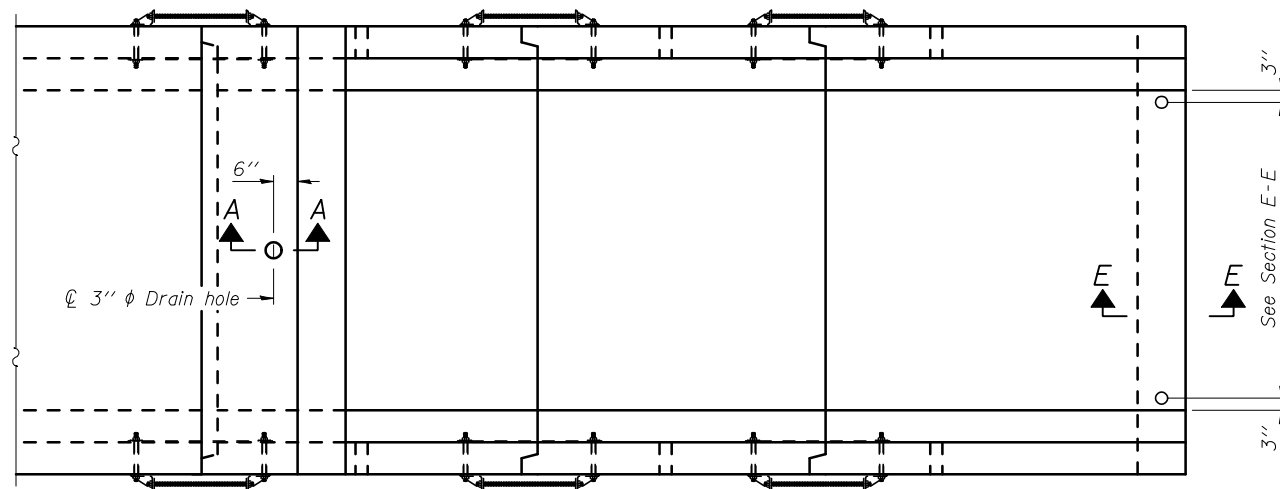
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



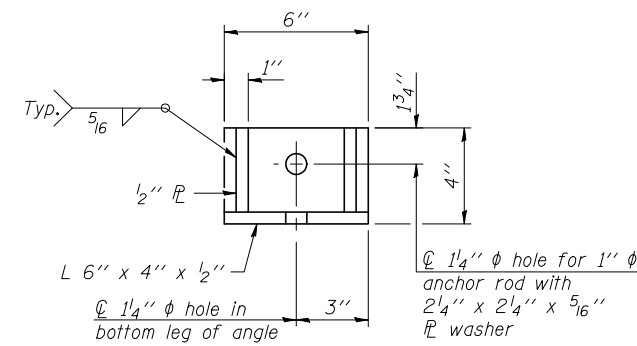
**ELEVATION**



**END VIEW**



**PLAN**



**RESTRAINT ANGLE DETAIL**

12" x 12" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

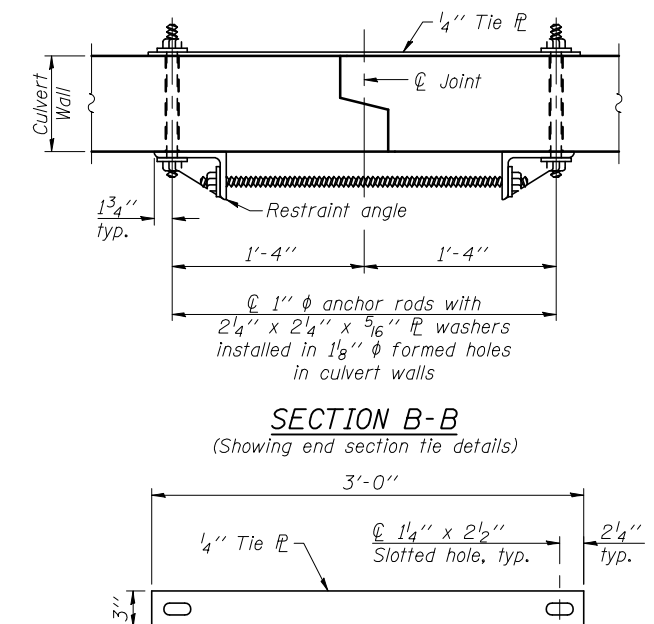
3"  $\phi$  PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

**SECTION A-A**

(All costs associated with furnishing and constructing the above drain details will not be measured for payment but shall be included in the contract unit price for the end section.)

(Sheet 1 of 2)



**TIE PLATE DETAIL**

10-16-12

FILE NAME #FILES*	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT DATE 5/7/2013	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SINGLE CELL PRECAST BOX CULVERT END SECTIONS**

SHEET NO. 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	695
CONTRACT NO. 64988				

ILLINOIS FED. AID PROJECT

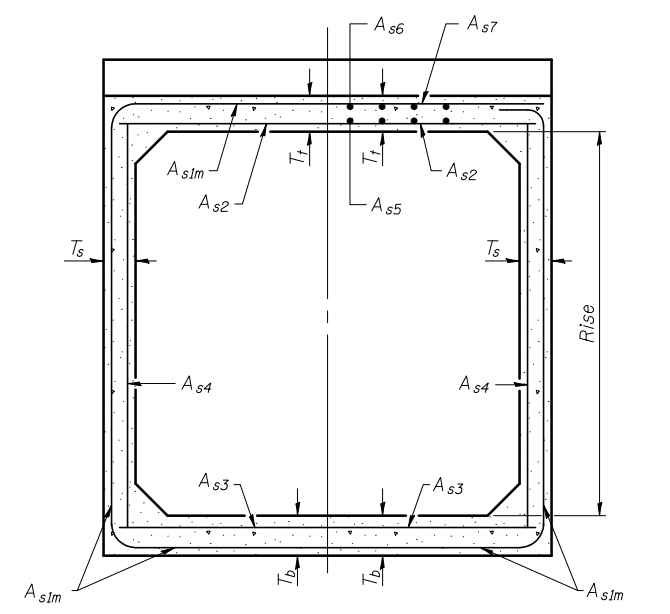
T (in.), T <sub>s</sub> (in.)	Reinforcing Steel A <sub>slm</sub> (in. <sup>2</sup> /ft.)										
	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17									
5	0.26	0.21	0.18								
6		0.26	0.23	0.22							
7		0.33	0.59	0.27	0.28						
8			0.43	0.39	0.36	0.34	0.40				
9				0.43	0.40	0.37	0.36	0.48			
10				0.47	0.44	0.41	0.38	0.42	0.56		
11					0.54	0.46	0.41	0.50	0.65		
12					0.58	0.50	0.45	0.46	0.46	0.75	

(A<sub>slm</sub> reinforcement based upon welded wire fabric conforming to AASHTO M 55 or M 221).

**Notes:**  
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.  
 The size and spacing of the v<sub>2</sub>(E) bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(A<sub>slm</sub>). v<sub>2</sub>(E) bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.  
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

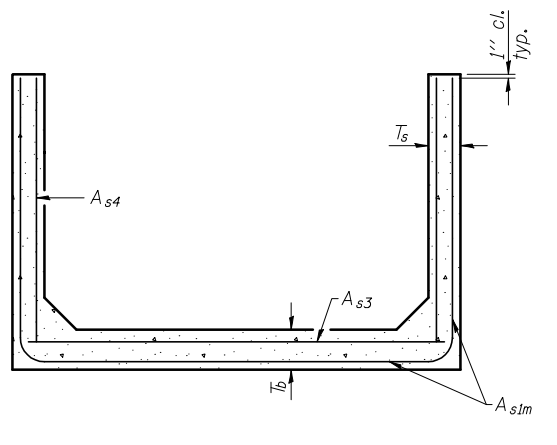
**l<sub>1</sub> DIMENSION**

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

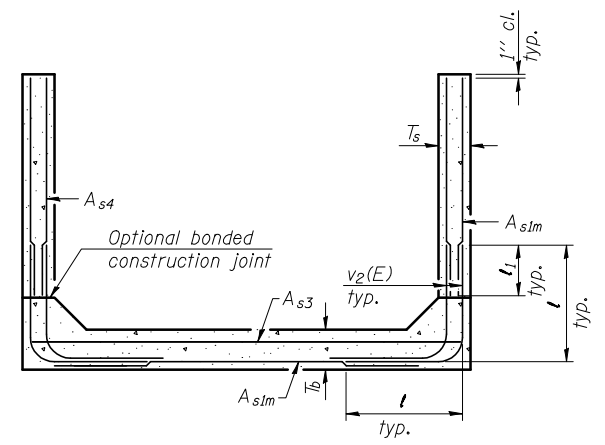


(Design Earth Cover < 2 ft.) (Design Earth Cover ≥ 2 ft.)

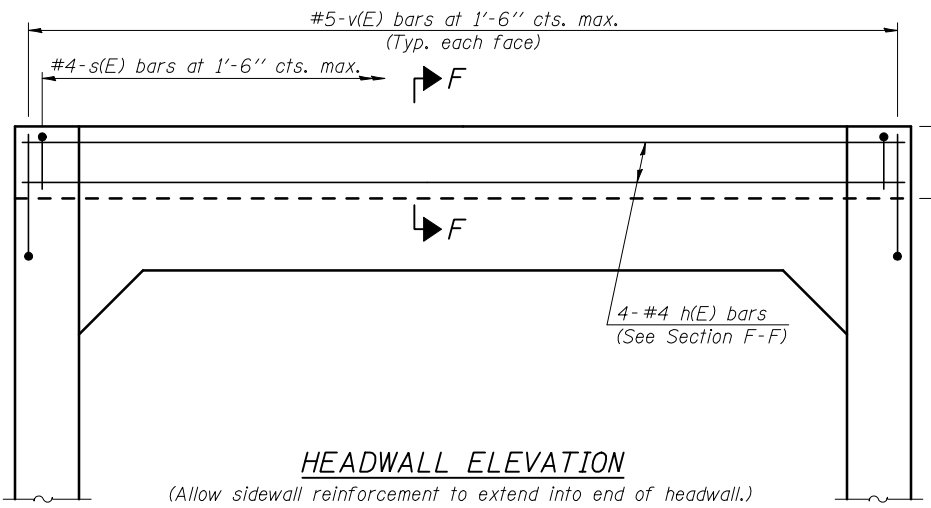
**SECTION C-C**



**SECTION D-D**

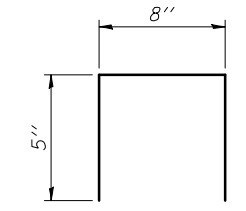


**ALTERNATE SECTION D-D**

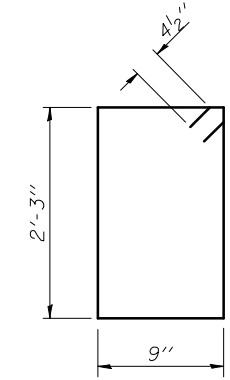


**HEADWALL ELEVATION**

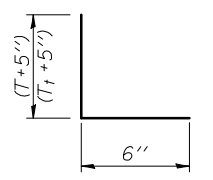
(Allow sidewall reinforcement to extend into end of headwall.)



**BAR s(E)**



**BAR s<sub>1</sub>**



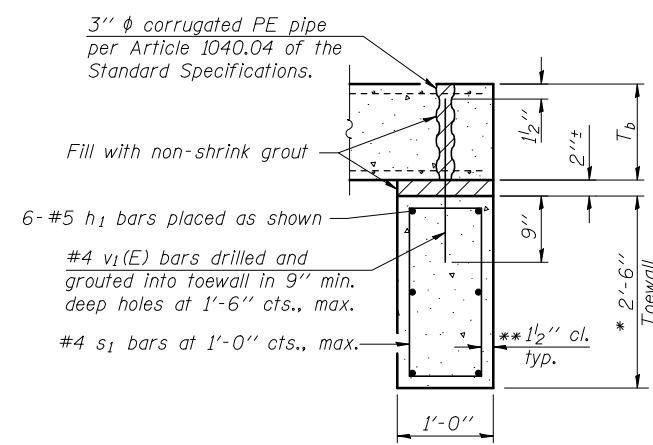
**BAR v(E)**

**TOEWALL CONSTRUCTION SEQUENCE**

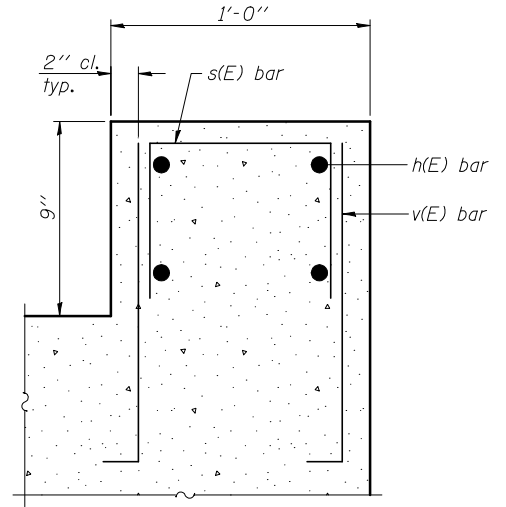
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and grout reinforcement in toewall using approved chemical adhesive in accordance with Section 1027 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.

\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



**SECTION E-E**

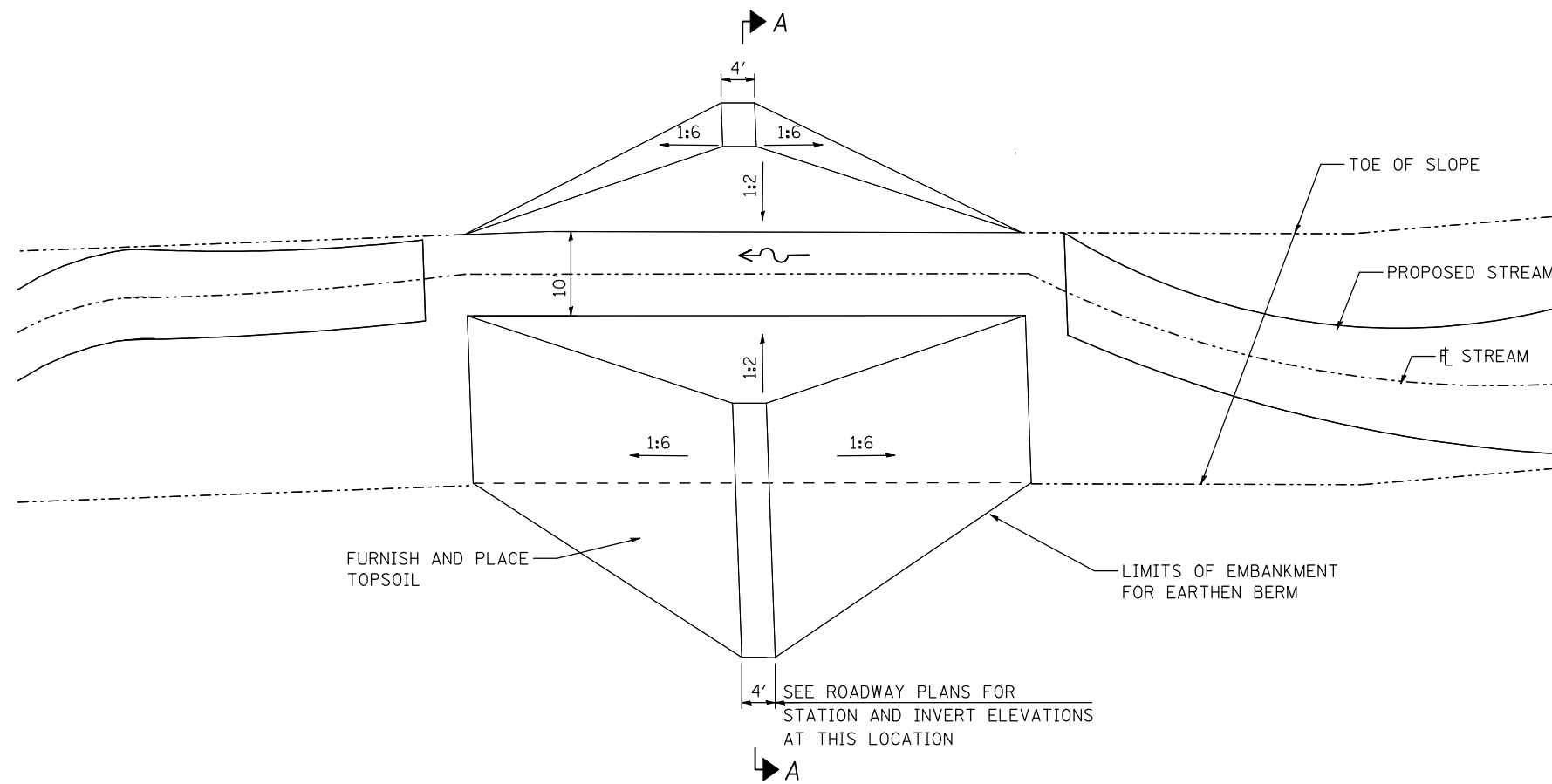


**SECTION F-F**

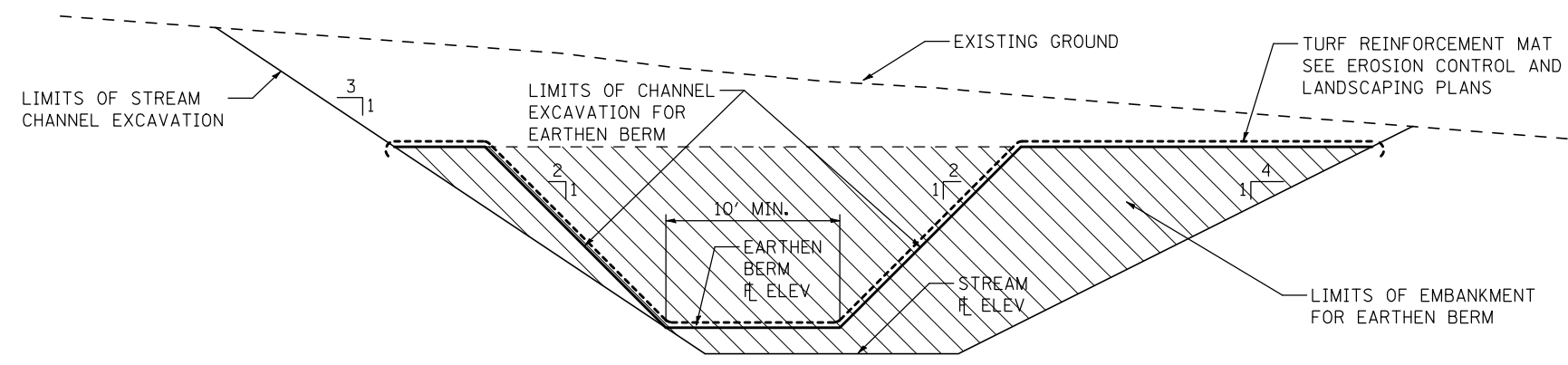
(Sheet 2 of 2)

10-16-12





**EARTHEN BERM PLAN**



**SECTION A-A**

EARTHEN BERM SCHEDULE			
BERM LOCATION	20300100		21101615
	EMBANKMENT	CHANNEL EXCAVATION	FURNISH AND PLACE TOPSOIL, 4"
	CU YD	CU YD	SQ YD
<b>IL 173</b>			
1115+30.74	136	39	180.3
1117+21.53	448	157	376.3
1122+20.66	663	245	482.0
1123+99.34	672	249	486.1
1127+30.26	332	112	312.2
1132+67.62	527	189	416.6
1138+96.01	713	266	504.7
<b>TOTAL</b>	<b>3492</b>	<b>1257</b>	<b>2758</b>

# SOIL BORING

Reference Station 2262+45 = PR  $\zeta$  Station 1119+07.20



**Illinois Department of Transportation**  
Division of Highways  
IDOT

## SOIL BORING LOG

Page 1 of 1

Date 4/28/05

ROUTE FAP 303 DESCRIPTION P92-123-00 IL 173 backslope, 160' left of Centerline LOGGED BY W. Garza

SECTION 129 R LOCATION Harlem Twp. - 22 NW, SEC. , TWP. 45N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev. _____ ft	D	B	U	M
Station <u>2262+45</u>	E	L	C	O	Stream Bed Elev. _____ ft	E	L	C	O
BORING NO. <u>B-1c</u>	T	W	S	I	Groundwater Elev.:	H	S	Q	T
Station <u>2262+45</u>	H	S	Qu	T	First Encounter _____ ft	(ft)	(/6")	(tsf)	(%)
Offset <u>130.00ft Lt prop CL</u>	(ft)	(/6")	(tsf)	(%)	Upon Completion _____ ft				
Ground Surface Elev. <u>829.2</u> ft					After _____ Hrs. _____ ft				
MEDIUM brown SANDY LOAM			0.8	12	VERY DENSE tan weathered LIMESTONE (continued) 808.20	39	100/4"		
			P		End of Boring				
MEDIUM tan fine SAND with medium GRAVEL	827.20	7							
		5							
	825.70	8							
MEDIUM tan SAND and medium GRAVEL		8							
		9							
	823.20	12							
DENSE tan weathered LIMESTONE		12							
		11							
	820.70	29							
VERY DENSE tan weathered LIMESTONE		100/4"							
	818.20								
VERY DENSE tan weathered LIMESTONE		100/9"							
	815.70								
DENSE tan weathered LIMESTONE		8							
		24							
	813.20	21							
DENSE tan weathered LIMESTONE		20							
		16							
	810.70	19'							
	-20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)

### ROCK PROBES COMPLETED – JANUARY, 2012

STATION	OFFSET	GROUND ELEVATION	FIRST ENCOUNTER ELEVATION	AUGER REFUSAL DEPTH
1115+95	45' LT	813.3	-	NO ROCK TO 803.3
1115+95	130' LT	811.9	-	NO ROCK TO 801.9
1119+05	50' LT	823.6	-	NO ROCK TO 813.6
1119+05	110' LT	829.2	822.7	NO REFUSAL TO 808.2
1120+00	70' LT	833.0	827.0	NO REFUSAL TO 813.0
1121+00	85' LT	832.8	-	REFUSAL AT 814.7
1122+00	50' LT	823.6	817.6	NO REFUSAL TO 813.6
1122+00	100' LT	827.1	818.1	NO REFUSAL TO 807.1
1125+82	CL	823.9	-	NO ROCK TO 812.9
1125+82	43' LT	822.8	-	NO ROCK TO 811.8

# CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED (DETAILS FOR CURB & GUTTER REPLACEMENT)

CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, STANDARD 606001 AND THIS DRAWING.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. A HOLE 1-1/2 IN DIAMETER AND 9 DEEP SHALL BE DRILLED IN THE EXISTING CONCRETE CURB AS SHOWN. A 1-1/4 X 18 SMOOTH DOWEL BAR SHALL BE GROUTED IN THE HOLE LONGITUDINALLY.

JOINTS OF A TYPE SIMILAR TO THAT IN THE UNDERLYING PAVEMENT (EXPANSION OR CONTRACTION) SHALL BE INSTALLED IN THE CONCRETE CURB IN ALIGNMENT WITH THE JOINTS IN THE PAVEMENT.

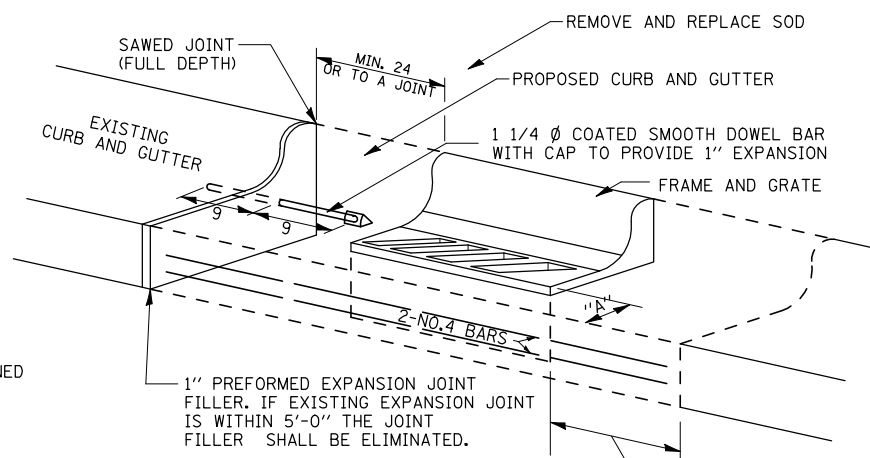
THE PROPOSED CONFIGURATION OF THE CURB AND GUTTER SHALL MATCH THAT REMOVED.

THE LOCATION OF THE DOWEL BAR SHALL BE DETERMINED BY THE ENGINEER.

ALL EXISTING TIE BARS IN EDGE OF PAVEMENT SLAB THRU REPLACEMENT AREA SHALL BE CUT OFF.

THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND INCLUDES THE REMOVAL AND REPLACEMENT OF SOD, CONCRETE PAVEMENT AND/OR CURB AND GUTTER ADJACENT TO CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AND SHALL BE INCLUDED IN THE PAY ITEM OF CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AS SPECIFIED.

REVISED - 9-30-11



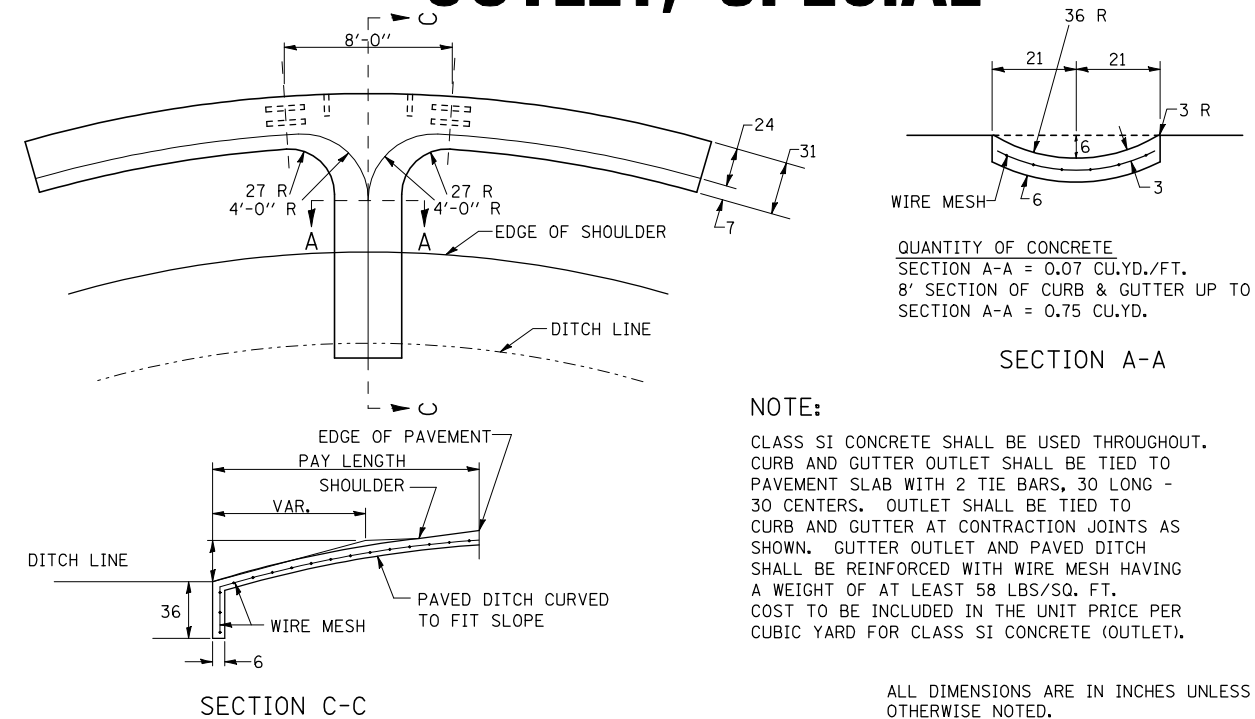
WHEN "A" IS GREATER THAN 2, 2-NO. 4 BARS SHALL BE PLACED AS SHOWN.

SAME REPAIR AS INDICATED ON OTHER SIDE OF FRAME AND GRATE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

**CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED 17.4**

# CURB AND GUTTER OUTLET, SPECIAL



QUANTITY OF CONCRETE  
SECTION A-A = 0.07 CU.YD./FT.  
8' SECTION OF CURB & GUTTER UP TO SECTION A-A = 0.75 CU.YD.

SECTION A-A

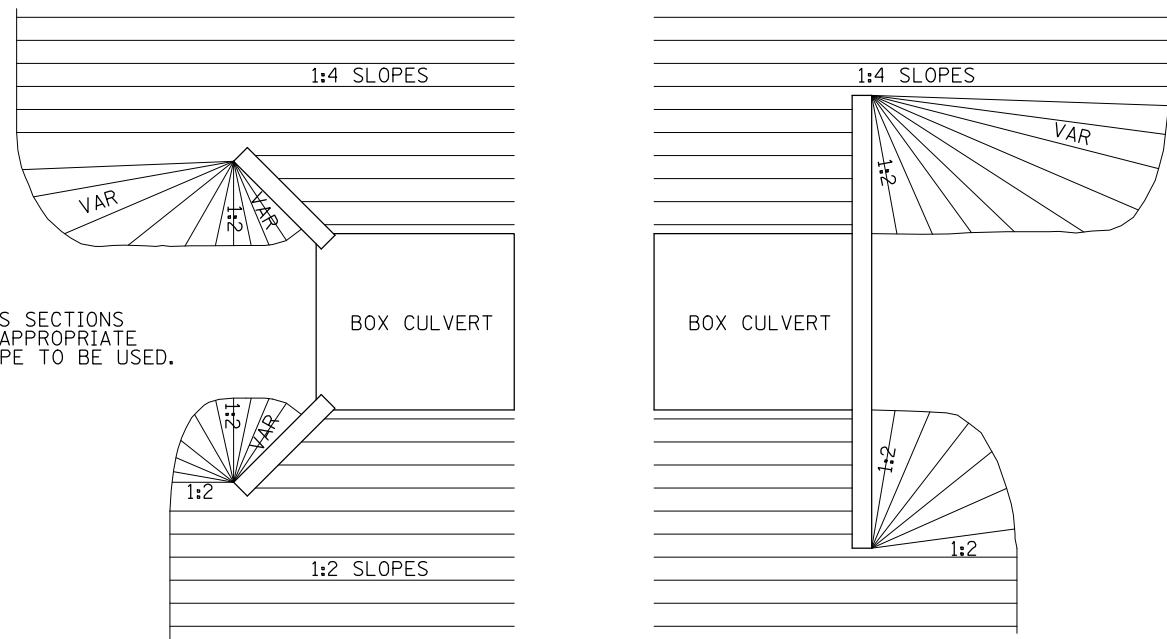
**NOTE:**  
CLASS SI CONCRETE SHALL BE USED THROUGHOUT. CURB AND GUTTER OUTLET SHALL BE TIED TO PAVEMENT SLAB WITH 2 TIE BARS, 30 LONG - 30 CENTERS. OUTLET SHALL BE TIED TO CURB AND GUTTER AT CONTRACTION JOINTS AS SHOWN. GUTTER OUTLET AND PAVED DITCH SHALL BE REINFORCED WITH WIRE MESH HAVING A WEIGHT OF AT LEAST 58 LBS/SQ. FT. COST TO BE INCLUDED IN THE UNIT PRICE PER CUBIC YARD FOR CLASS SI CONCRETE (OUTLET).

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 9-30-11

**CURB AND GUTTER OUTLET, SPECIAL 18.4**

# GRADING AROUND WINGWALLS

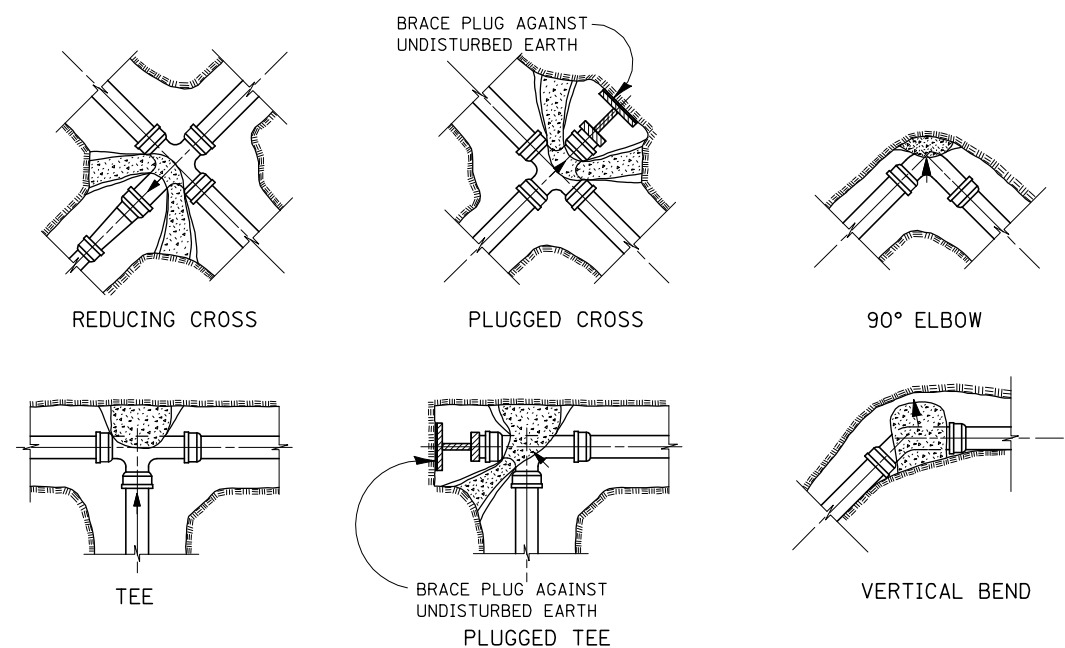


**NOTES**  
SEE CROSS SECTIONS FOR THE APPROPRIATE FRONTSLOPE TO BE USED.

5-27-09

**GRADING AROUND WINGWALLS 20.4**

# THRUST BLOCK DETAILS



**NOTES:**  
ALL BLOCKS TO BEAR AGAINST UNDISTURBED EARTH. ARROWS INDICATE DIRECTION OF THRUST. ALL BLOCKS TO BE CLASS SI CONCRETE. ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

REVISED - 10-3-11





ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

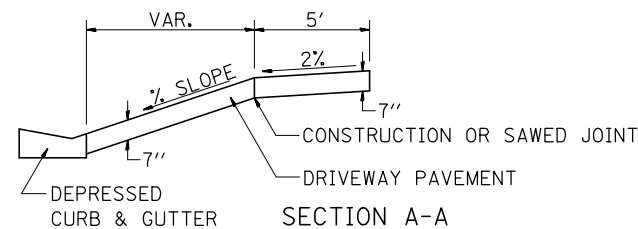
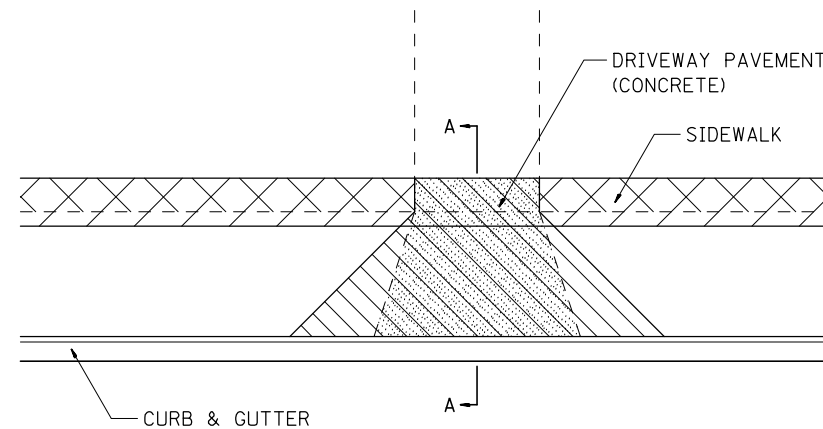
**THRUST BLOCK DETAILS 34.4**

REVISED - 20	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 19		303	129R	WINNEBAGO	968	699
REVISED - 19		SCALE: 20,000' / IN.		SHEET NO. OF SHEETS		STA. 19 TO STA. 19
REVISED - 19		CONTRACT NO. 64988		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

PLOT DATE = 5/2/2013

# SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS

- PAY FOR AS
-  SIDEWALK REMOVAL
  -  DRIVEWAY PAVEMENT REMOVAL
  -  PCC SIDEWALK 5
  -  PCC DRIVEWAY PAVEMENT 7



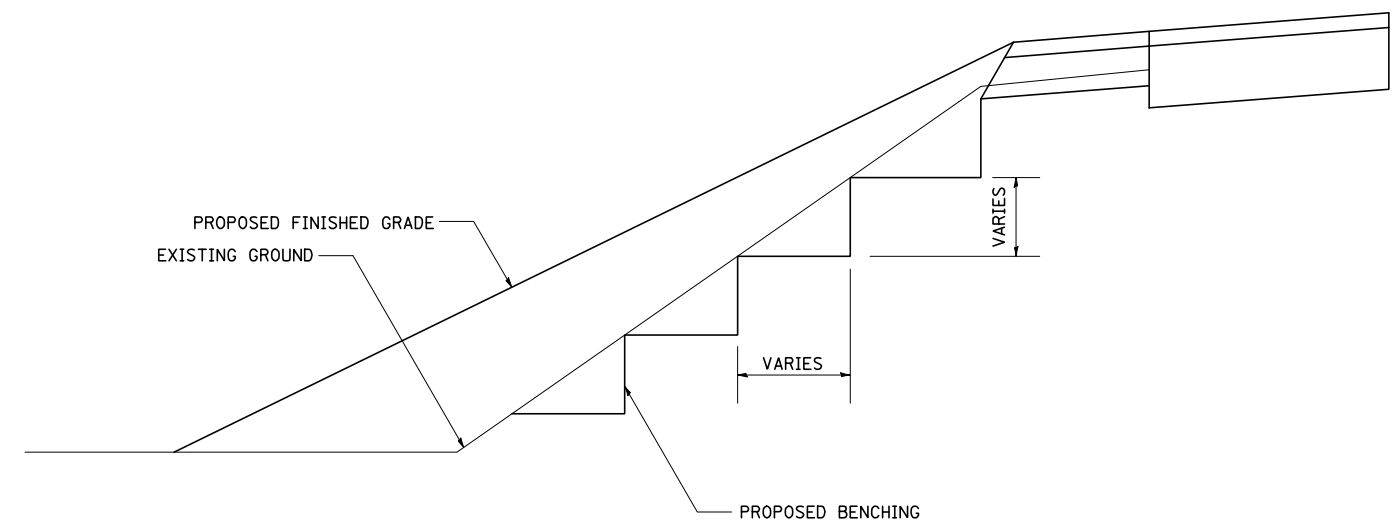
FOR DETAILS ON DIMENSIONS AND GRADES, SEE DISTRICT STANDARD 25.1 OR PLANS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-3-11

## SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS 35.4

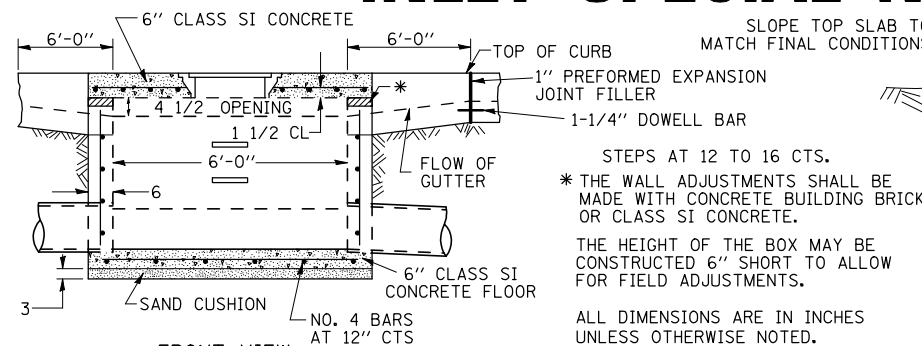
# TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

## TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

# INLET SPECIAL NO. 3



STEPS AT 12 TO 16 CTS.  
 \* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.  
 THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

### NOTES

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 5 FOOT  
 THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLET SPECIAL NO. 3 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

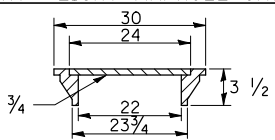
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 3 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 6 FOOT ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

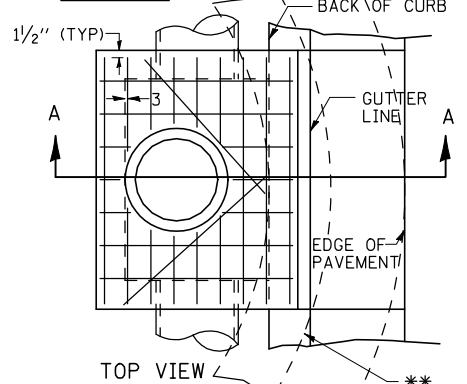
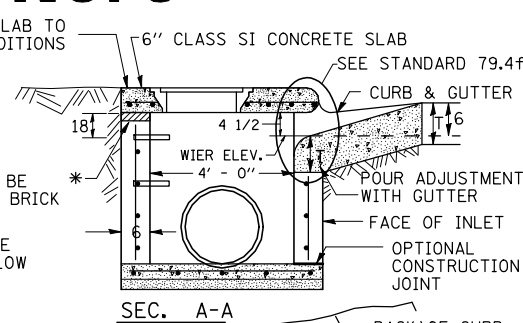
ALL PIPE UNDERDRAIN CONNECTIONS WHEN SPECIFIED SHALL BE DONE IN ACCORDANCE WITH ART. 601 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER (FOOT) FOR PIPE UNDERDRAINS (SPECIAL) OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

### LIGHT WEIGHT MANHOLE CASTING



TOTAL WEIGHT 160 LBS.

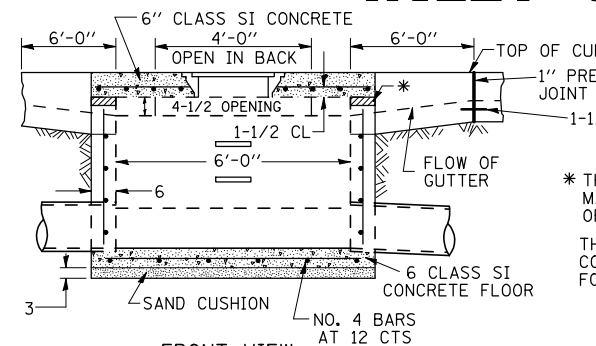
REVISED - 10-3-11



\*\* WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

## INLET SPECIAL NO. 3 79.4

# INLET SPECIAL NO. 4



STEPS AT 12 TO 16 CTS.  
 \* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.  
 THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

### NOTES

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 5 FOOT  
 THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLET SPECIAL NO. 4 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

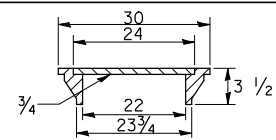
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 4 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 6 FOOT ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

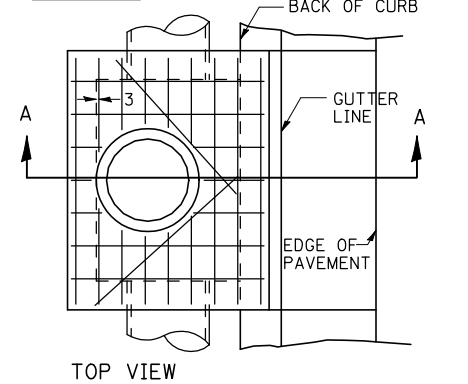
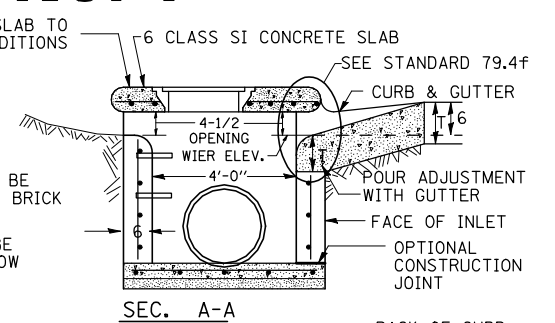
ALL PIPE UNDERDRAIN CONNECTIONS WHEN SPECIFIED SHALL BE DONE IN ACCORDANCE WITH ART. 601 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER (FOOT) FOR PIPE UNDERDRAINS (SPECIAL) OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

### LIGHT WEIGHT MANHOLE CASTING



TOTAL WEIGHT 160 LBS.

REVISED - 10-4-11



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## INLET SPECIAL NO. 4 79.4a

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		303	129R	WINNEBAGO	968	700
REVISED -		CONTRACT NO. 64988				
REVISED -		SCALE: 20,000' / 1" =	SHEET NO.	OF SHEETS	STA.	TO STA.
REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE = 5/2/2013