

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
334	(ZR-1&119)RS-7	COOK	51
	ILLINOIS	CONTRACT NO.	60Y56

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 334: US-12 (RAND ROAD)  
ARLINGTON HEIGHTS ROAD TO 0.2 MI. NW OF IL-58 (GOLF ROAD)  
SECTION (ZR-1&119)RS-7  
RESURFACING

**COOK COUNTY**

C-91-428-14

3rd PM



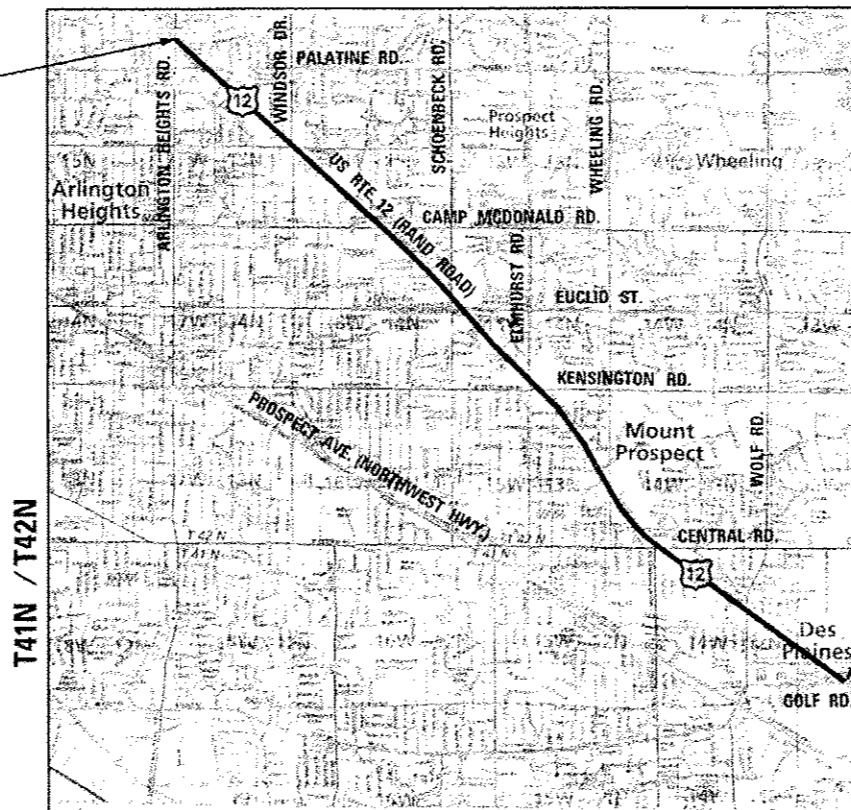
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE VILLAGE OF ARLINGTON HEIGHTS, VILLAGE OF MOUNT PROSPECT & VILLAGE OF DES PLAINES

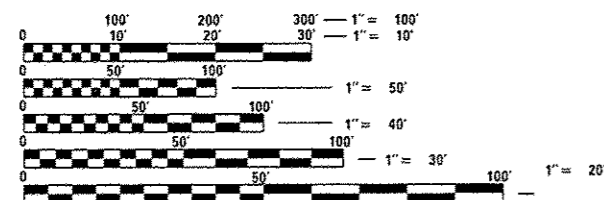
**TRAFFIC DATA**

ADT (2013) = 27,800  
POSTED SPEED LIMIT = 35 MPH - 45 MPH

IMPROVEMENT BEGINS  
STA. 100 + 49



IMPROVEMENT ENDS  
STA. 402 + 95



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: MR. ROBERT BORO, P.E. (847) 705-4237  
PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178

R11E / R12E WHEELING AND MAINE TOWNSHIP

LOCATION MAP NOT TO SCALE

GROSS & NET LENGTH OF IMPROVEMENT = 30,246 FT = 5.73 MILES



DATE SIGNED: 07/20/14  
EXP. DATE: 11/30/15

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED: *Apr 28 20 14*  
*John J. Baranzolo*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*Nov 14 20 14*  
*John J. Baranzolo* P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

*Nov 14 20 14*  
*Cher Osman* P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE ROADWAY 0005 URBAN
<del>20101400</del>	<del>NITROGEN FERTILIZER-NUTRIENT</del>	<del>POUND</del>	<del>23</del>	<del>23</del>
<del>20101500</del>	<del>PHOSPHORUS FERTILIZER-NUTRIENT</del>	<del>POUND</del>	<del>23</del>	<del>23</del>
<del>20101600</del>	<del>POTASSIUM FERTILIZER-NUTRIENT</del>	<del>POUND</del>	<del>23</del>	<del>23</del>
20200100	EARTH EXCAVATION	CU YD	57	57
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	524	524
25200110	SODDING, SALT TOLERANT	SQ YD	524	524
<del>25000210</del>	<del>SEEDING, CLASS 2A</del>	<del>ACRE</del>	<del>0.25</del>	<del>0.25</del>
28000510	INLET FILTERS	EACH	326	326
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	200	200
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	9252	9252
<del>40600905</del>	<del>CONSTRUCTING TEST STRIP</del>	<del>EACH</del>	<del>2</del>	<del>2</del>
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1537	1537
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N9D	TON	21366	21366
42001300	PROTECTIVE COAT	SQ YD	2064	2064
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD	10	10
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5726	5726
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ YD	60	60
42400800	DETECTABLE WARNINGS	SQ FT	1101	1101

\* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE ROADWAY 0005 URBAN
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	217942	217942
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	150	150
44000600	SIDEWALK REMOVAL	SQ FT	5898	5898
44003100	MEDIAN REMOVAL	SQ FT	200	200
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	2200	2200
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	800	800
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	1900	1900
60250200	CATCH BASINS TO BE ADJUSTED	EACH	47	47
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	42	42
60251730	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	1	1
60251740	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	10	10
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	2
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	4	4
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	72	72

16

FILE NAME: #FILE#



USER NAME * #USER#	DESIGNED -	REVISED -
PLOT SCALE * #SCALE#	DRAWN - JMT	REVISED -
PLOT DATE * #DATE#	CHECKED -	REVISED -
	DATE - 08-21-2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)	
SCALE:	SHEET OF SHEETS STA. TO STA.

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(2R-1&119)R5-7	COOK	51	3
CONTRACT NO. 60Y56				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE ROADWAY 0005 URBAN
60618300	CONCRETE MEDIAN SURFACE, 4"	SQ FT	1818	1818
60619600	CONCRETE MEDIAN, TYPE SB-5.12	SQ FT	200	200
68900200	NON-SPECIAL WASTE DISPOSAL	CU YD	57	57
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	193,116	193,116
* 70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	3891	3891
* 70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	107975	107975

\* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE ROADWAY 0005 URBAN
* 70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	10809	10809
* 70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	6229	6229
* 70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	2395	2395
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	9738	9738
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3916	3916
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	107975	107975
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10809	10809
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1080	1080
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	6229	6229
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	2395	2395
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	3510	3510
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	3510	3510
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	7741	7741
<del>X0326862</del>	<del>STRUCTURES TO BE ADJUSTED</del>	<del>EACH</del>	<del>101</del>	<del>101</del>

19

Rev.

FILE NAME: 481514



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW	OF IL 58 (GOLF RD.)	SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(2R-18119)RS-1	COOK	51	4
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 60Y56

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE ROADWAY 0005 URBAN	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	147111	147111	
<del>X4400220</del>	<del>CURB REMOVAL AND REPLACEMENT</del>	<del>FOOT</del>	<del>3800</del>	<del>3800</del>	
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	1818	1818	
<del>X4402815</del>	<del>ISLAND PAVEMENT REMOVAL AND REPLACEMENT</del>	<del>SQ FT</del>	<del>1818</del>	<del>1818</del>	
X0050310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	128	128	
X8140115	HANDHOLE TO BE ADJUSTED	EACH	6	6	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	326	326	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	694	694	
<del>Z0034105</del>	<del>MATERIAL TRANSFER DEVICE</del>	<del>TON</del>	<del>21366</del>	<del>21366</del>	
* Z0048685	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	3900	3900	
<del>X0327890</del>	<del>DRIVEWAY REMOVAL AND REPLACEMENT</del>	<del>SQ YD</del>	<del>150</del>	<del>150</del>	

\* SPECIALTY ITEMS

FILE NAME: #FILES



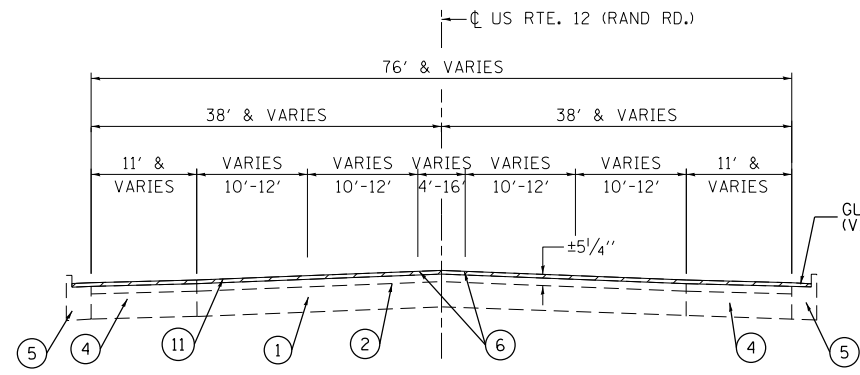
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
		STA.	TO STA.

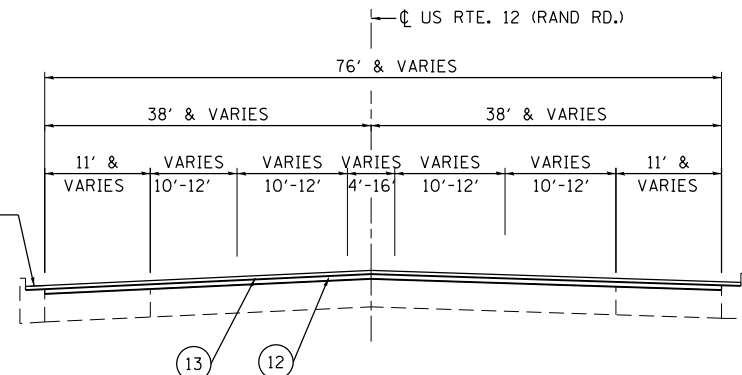
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334	(ZR-18-119)RS-1	COOK	51	5
CONTRACT NO. 60Y56				
ILLINOIS FED. AID PROJECT				

Rev.



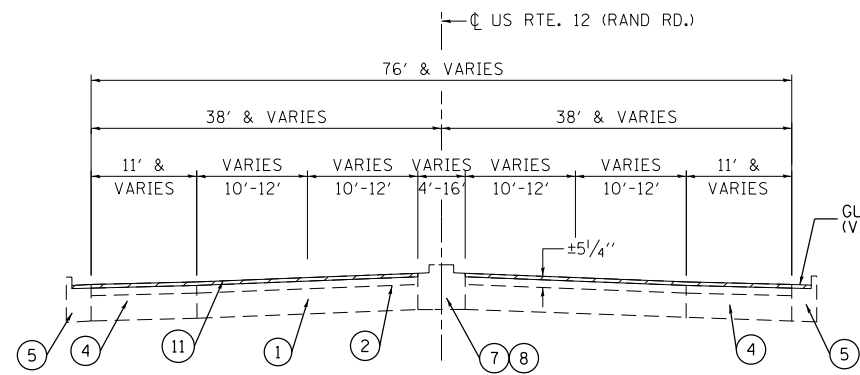
**EXISTING TYPICAL SECTION**

STA. 104+40 TO STA. 110+28.73  
 STA. 119+25 TO STA. 123+26  
 STA. 260+70 TO STA. 271+30



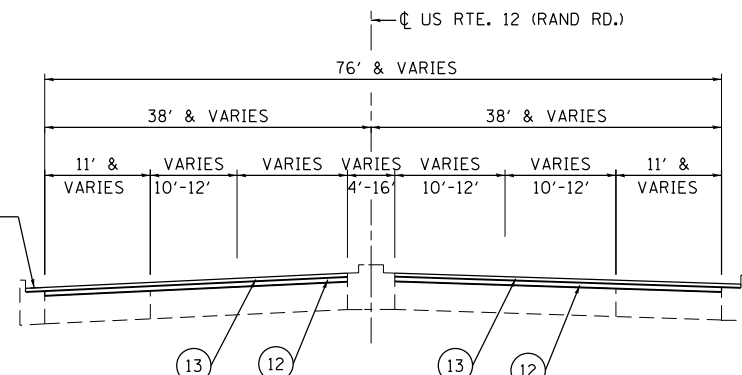
**PROPOSED TYPICAL SECTION**

STA. 104+40 TO STA. 110+28.73  
 STA. 119+25 TO STA. 123+26  
 STA. 260+70 TO STA. 271+30



**EXISTING TYPICAL SECTION**

STA. 100+49 TO STA. 104+40  
 STA. 110+28.73 TO STA. 119+25



**PROPOSED TYPICAL SECTION**

STA. 100+49 TO STA. 104+40  
 STA. 110+28.73 TO STA. 119+25

**LEGEND**

- REMOVAL
  - ① EXISTING PCC PAVEMENT (9'-7"-9')
  - ② EXISTING HMA SURFACE COURSE (±5/4")
  - ③ EXISTING PCC BASE COURSE WIDENING (±9')
  - ④ EXISTING BITUMINOUS BASE COURSE
  - ⑤ EXISTING CURB AND GUTTER
  - ⑥ EXISTING PAINTED MEDIAN
  - ⑦ EXISTING PCC MEDIAN <sup>A</sup>
  - ⑧ EXISTING CURB AND GUTTER WITH CONC. MEDIAN SURFACE <sup>B</sup>
  - ⑨ EXISTING SIDEWALK (VARIOUS LOCATIONS)
  - ⑩ PROPOSED MEDIAN REMOVAL \*
  - ⑪ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
  - ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
  - ⑬ PROPOSED POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- A. MEDIAN WIDTH = 4'  
 B. MEDIAN WIDTH > 4' & 16'
- \* STA 116+19.75 - STA. 116+42.00

**HMA MIXTURE REQUIREMENTS CHART**

OPERATION	MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT PROGRAM (OMP)
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL 9.5mm), 1 3/4"	4% @ 90 GYR.	PFP
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	PFP
PATCHING	CLASS D PATCHES - (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OCP

OMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)

- NOTE: 1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
2. THE "AC TYPE" FOR POLYMERIZED LEVELING BINDER IL-4.75 MIXTURE SHALL BE "SBS/SBR PG 76-22", FOR POLYMERIZED HMA SURFACE COURSE, MIX F, N90 MIXTURE SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

**NOTE:**  
**CONTRACTOR SHALL MILL FIRST BEFORE PATCHING**

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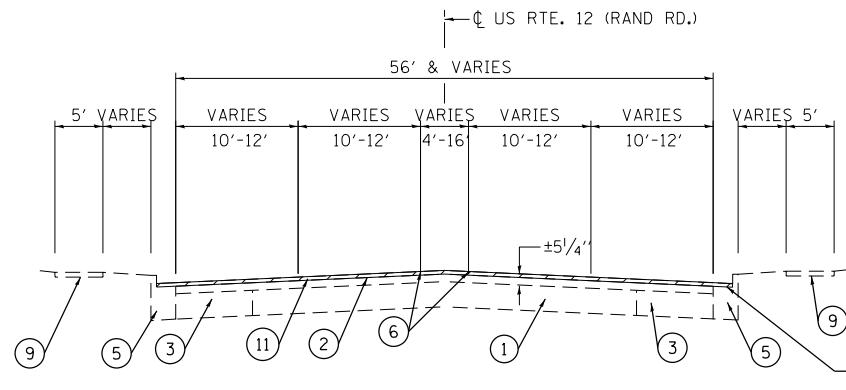


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PLOT DATE = 10/6/2014	DATE - 08-21-2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

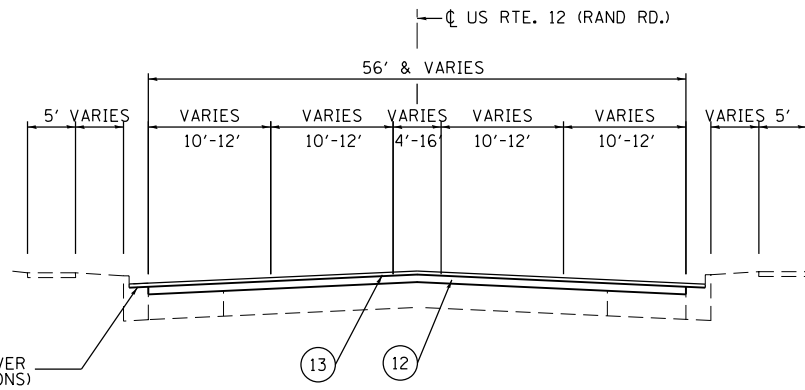
<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>	
<b>US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	6
CONTRACT NO. 60Y56				
ILLINOIS FED. AID PROJECT				



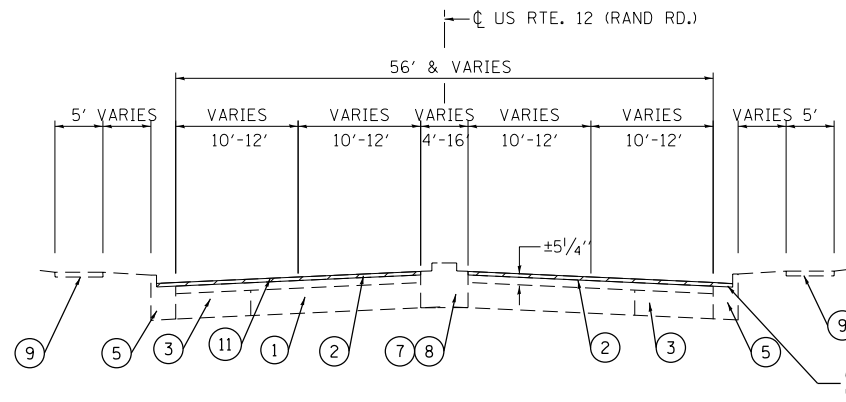
**EXISTING TYPICAL SECTION**

STA. 123+26 TO STA. 151+26.50  
 STA. 156+40 TO STA. 260+70  
 STA. 271+30 TO STA. 331+90.50  
 STA. 335+15.36 TO STA. 402+47.65



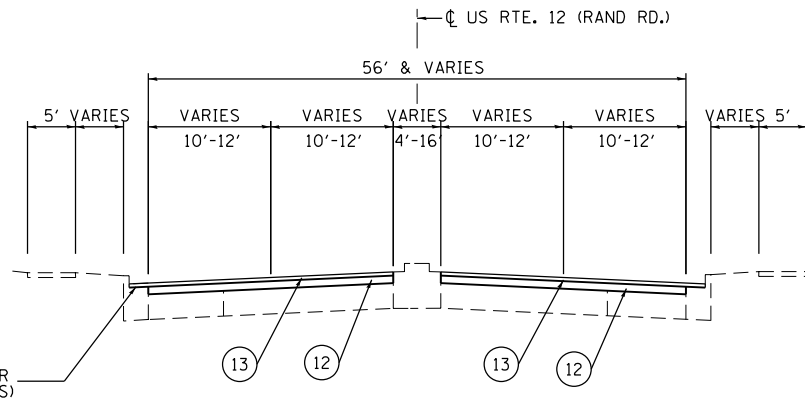
**PROPOSED TYPICAL SECTION**

STA. 123+26 TO STA. 151+26.50  
 STA. 156+40 TO STA. 260+70  
 STA. 271+30 TO STA. 331+90.50  
 STA. 335+15.36 TO STA. 402+47.65



**EXISTING TYPICAL SECTION**

STA. 151+26.50 TO STA. 156+40  
 STA. 331+90.50 TO STA. 335+15.36  
 STA. 402+47.65 TO STA. 402+95



**PROPOSED TYPICAL SECTION**

STA. 151+26.50 TO STA. 156+40  
 STA. 331+90.50 TO STA. 335+15.36  
 STA. 402+47.65 TO STA. 402+95

**LEGEND**

- REMOVAL
- ① EXISTING PCC PAVEMENT (9'-7"-9')
- ② EXISTING HMA SURFACE COURSE (±5/4")
- ③ EXISTING PCC BASE COURSE WIDENING (±9')
- ④ EXISTING BITUMINOUS BASE COURSE
- ⑤ EXISTING CURB AND GUTTER
- ⑥ EXISTING PAINTED MEDIAN
- ⑦ EXISTING PCC MEDIAN <sup>A</sup>
- ⑧ EXISTING CURB AND GUTTER WITH CONC. MEDIAN SURFACE <sup>B</sup>
- ⑨ EXISTING SIDEWALK (VARIOUS LOCATIONS)
- ⑩ PROPOSED MEDIAN REMOVAL \*
- ⑪ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑬ PROPOSED POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"

A. MEDIAN WIDTH = 4'  
 B. MEDIAN WIDTH > 4' & 16'

\* STA 116+19.75 - STA. 116+42.00

**NOTE:**  
**CONTRACTOR SHALL MILL FIRST BEFORE PATCHING**

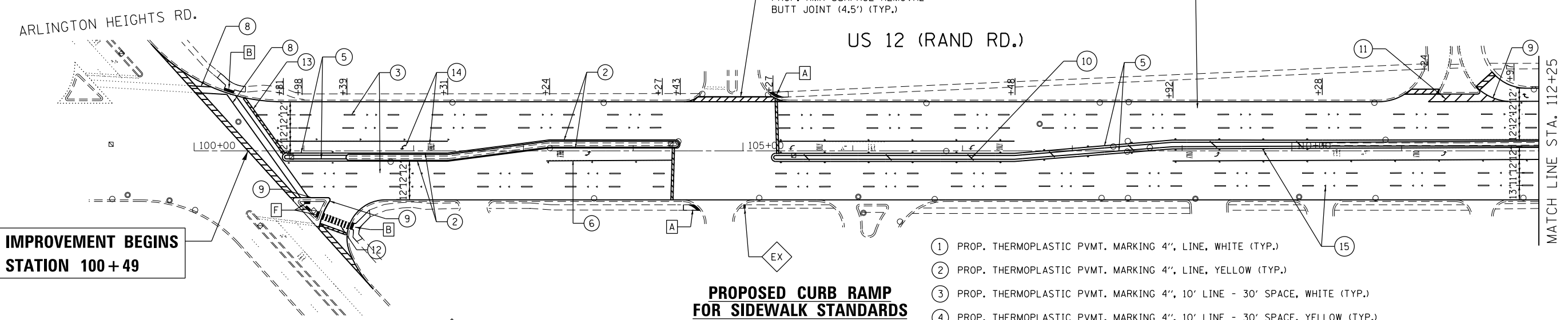
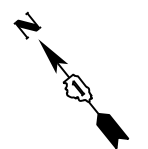
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PLOT SCALE = 20.0000' / in.	CHECKED - TGM	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)</b>		334	(ZR-1&119)RS-7	COOK	51	7
SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 60Y56				
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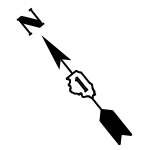
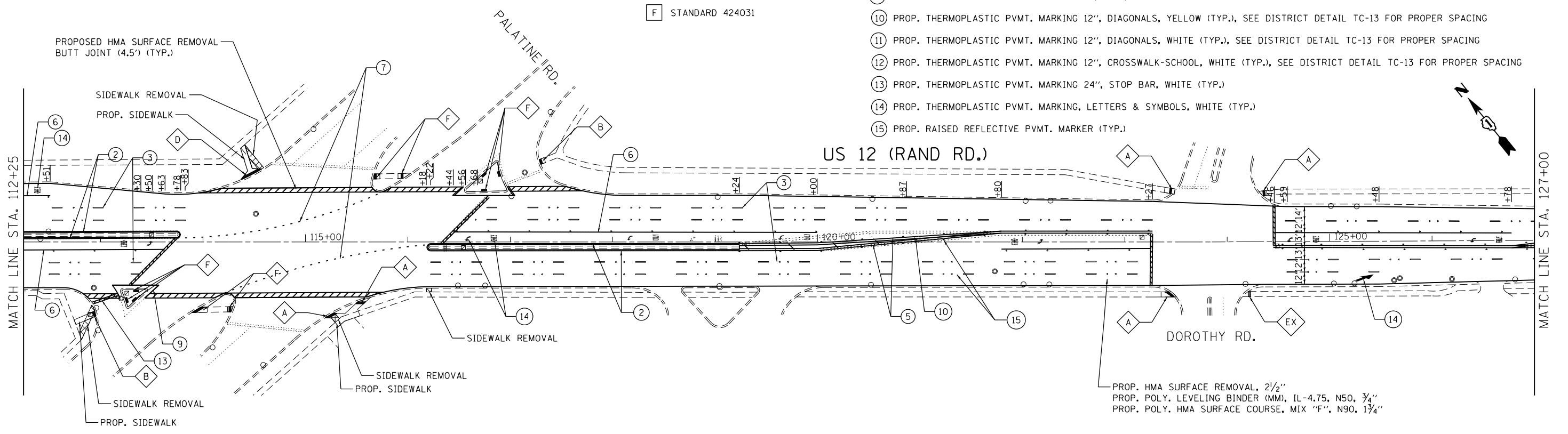
**IMPROVEMENT BEGINS  
STATION 100+49**

**EX** EXISTING CURB RAMP TO REMAIN

**PROPOSED CURB RAMP  
FOR SIDEWALK STANDARDS**

- A** STANDARD 424001
- B** STANDARD 424006
- C** STANDARD 424011
- D** STANDARD 424021
- E** STANDARD 424026
- F** STANDARD 424031

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)



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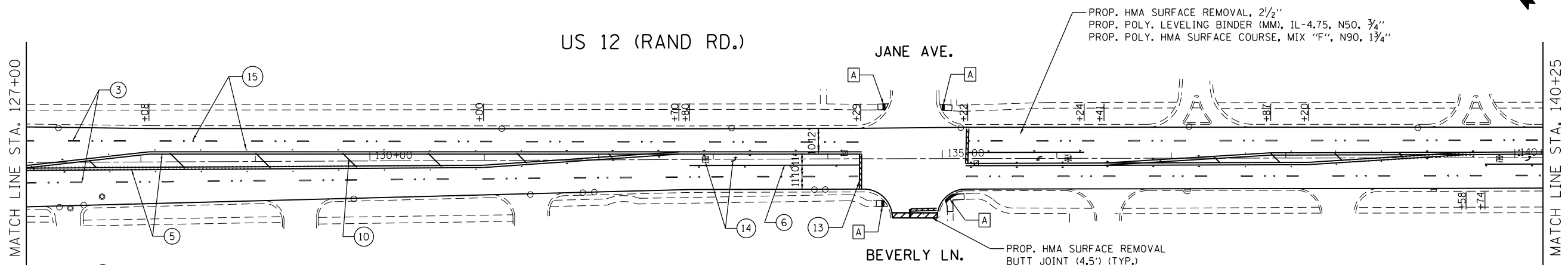
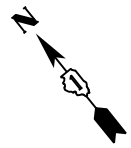
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PLOT DATE = 10/6/2014	CHECKED - TGM	REVISED -
	DATE - 08-21-2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)**

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 8
SCALE: SHEET 1 OF 12 SHEETS STA. 100+49 TO STA. 127+00				CONTRACT NO. 60Y56
ILLINOIS FED. AID PROJECT				

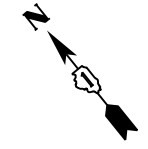
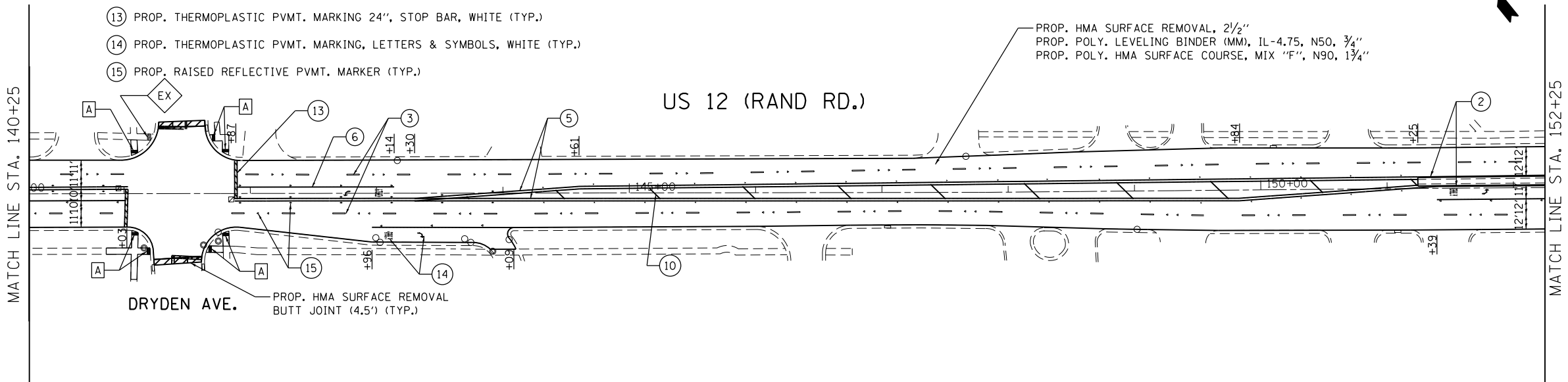




- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

- A STANDARD 424001
  - B STANDARD 424006
  - C STANDARD 424011
  - D STANDARD 424021
  - E STANDARD 424026
  - F STANDARD 424031
- EX EXISTING CURB RAMP TO REMAIN



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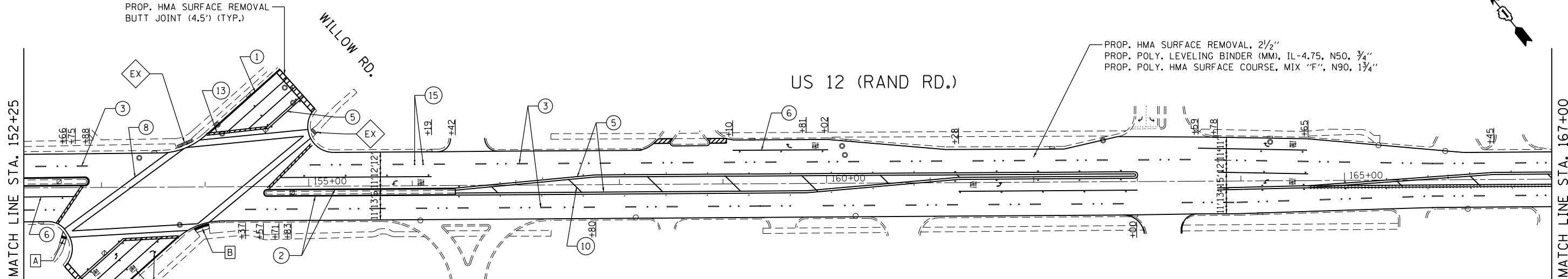


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PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 10/6/2014	CHECKED - TGM	REVISED -
	DATE - 08-21-2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY AND PAVEMENT MARKING PLAN</b>	
<b>US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)</b>	
SCALE:	SHEET 2 OF 12 SHEETS STA. 100+49 TO STA. 127+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	9
CONTRACT NO. 60Y56				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 152+25  
THOMAS AVE.

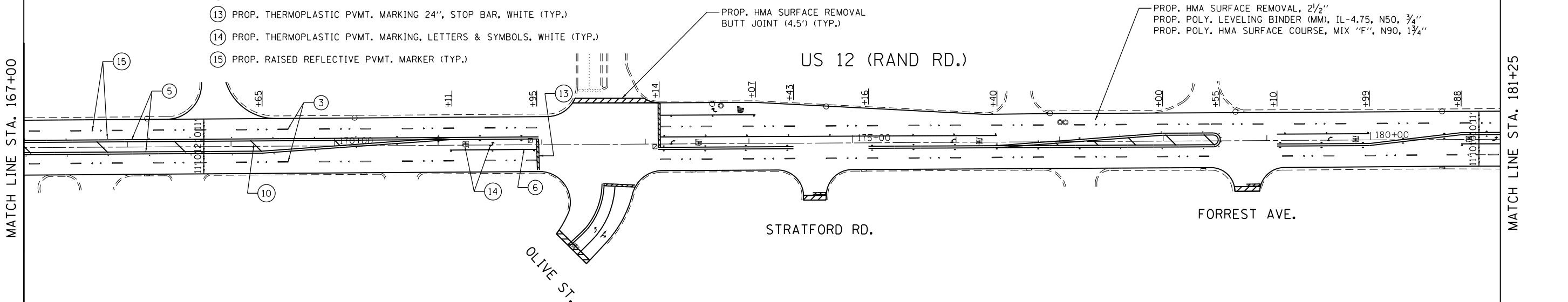
MATCH LINE STA. 167+00

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP  
FOR SIDEWALK STANDARDS**

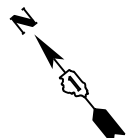
- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

EX EXISTING CURB RAMP TO REMAIN



MATCH LINE STA. 167+00

MATCH LINE STA. 181+25



FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003F - W0 6\CADD\CADD Sheets\Civil\160Y56-shr-plan-03.dgn



USER NAME = jent	DESIGNED - PP	REVISED -
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PLOT DATE = 10/6/2014	CHECKED - TGM	REVISED -
	DATE - 08-21-2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>ROADWAY AND PAVEMENT MARKING PLAN</b>	
<b>US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)</b>	
SCALE:	SHEET 3 OF 12 SHEETS STA. 152+25 TO STA. 181+25

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 10
CONTRACT NO. 60Y56				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA. 181+25

MATCH LINE STA. 196+00

MATCH LINE STA. 196+00

MATCH LINE STA. 210+75

CENTER LN.

US 12 (RAND RD.)

WATERMAN AVE.

PHELPS AVE.

PROP. HMA SURFACE REMOVAL  
BUTT JOINT (4.5') (TYP.)

CAMP McDONALD RD.

PROP. HMA SURFACE REMOVAL, 2 1/2"  
PROP. POLY. LEVELING BINDER (MM), IL-4.75, N50, 3/4"  
PROP. POLY. HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

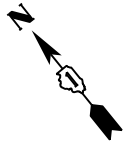
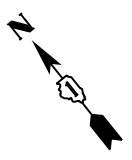
PROP. HMA SURFACE REMOVAL, 2 1/2"  
PROP. POLY. LEVELING BINDER (MM), IL-4.75, N50, 3/4"  
PROP. POLY. HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP  
FOR SIDEWALK STANDARDS**

- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

EX EXISTING CURB RAMP TO REMAIN



USER NAME = jent	DESIGNED - PP	REVISED -
DRAWN - JN	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/6/2014	DATE - 08-21-2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>ROADWAY AND PAVEMENT MARKING PLAN</b>	
<b>US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)</b>	
SCALE:	SHEET 4 OF 12 SHEETS STA. 181+25 TO STA. 210+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	11
CONTRACT NO. 60Y56			ILLINOIS FED. AID PROJECT	

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MATCH LINE STA. 210+75

MATCH LINE STA. 224+25

MATCH LINE STA. 224+25

MATCH LINE STA. 239+00

US 12 (RAND RD.)

SCHOENBECK RD.

PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLY. LEVELING BINDER (MM), IL-4.75, N50, 3/4"  
 PROP. POLY. HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

ROLLING GREEN  
 COUNTRY CLUB  
 ENTRANCE

US 12 (RAND RD.)

EUCLID AVE.

PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLY. LEVELING BINDER (MM), IL-4.75, N50, 3/4"  
 PROP. POLY. HMA SURFACE COURSE, MIX "F", N90, 1 3/4"

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP  
 FOR SIDEWALK STANDARDS**

- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

EX EXISTING CURB RAMP TO REMAIN

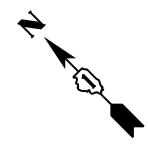


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PLOT SCALE = 100.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/6/2014	DATE - 08-21-2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

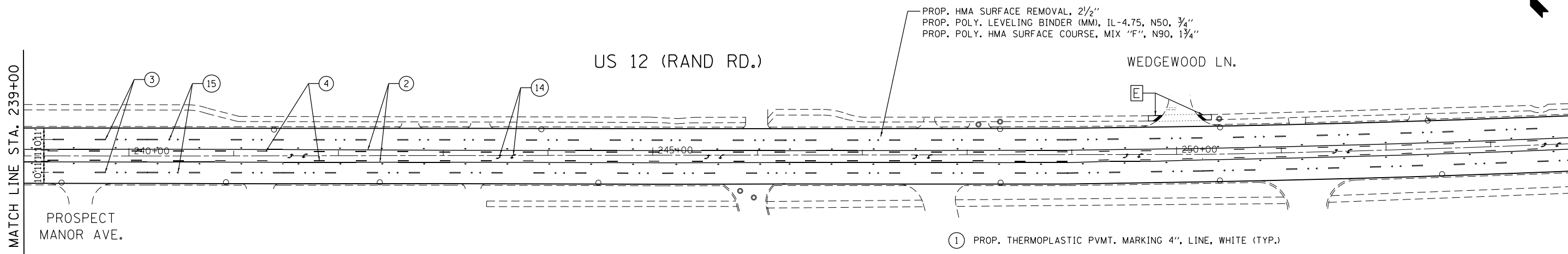
**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)**  
 SCALE: SHEET 5 OF 12 SHEETS STA. 210+75 TO STA. 239+00

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 12
CONTRACT NO. 60Y56			ILLINOIS FED. AID PROJECT	



MATCH LINE STA. 239+00

MATCH LINE STA. 253+75

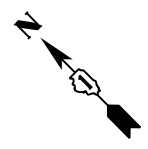


**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

EX EXISTING CURB RAMP TO REMAIN

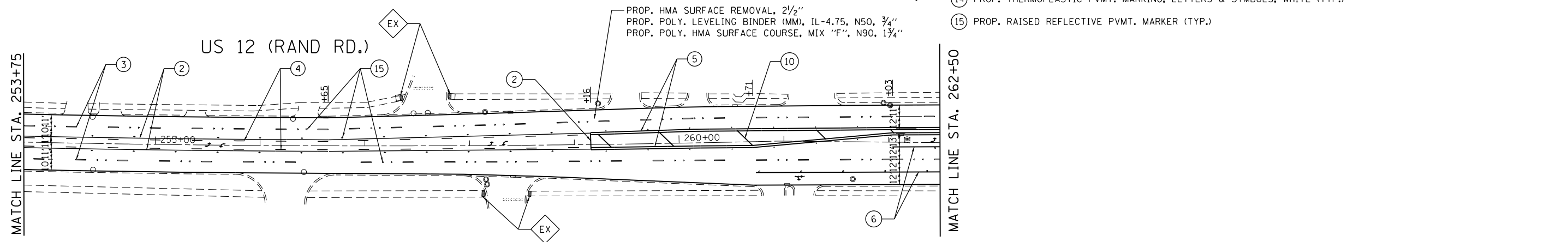
- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

- 1 PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- 2 PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- 3 PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- 4 PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- 5 PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- 6 PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- 7 PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- 8 PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- 9 PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- 10 PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 11 PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 12 PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 13 PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- 14 PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- 15 PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)



MATCH LINE STA. 253+75

MATCH LINE STA. 262+50



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

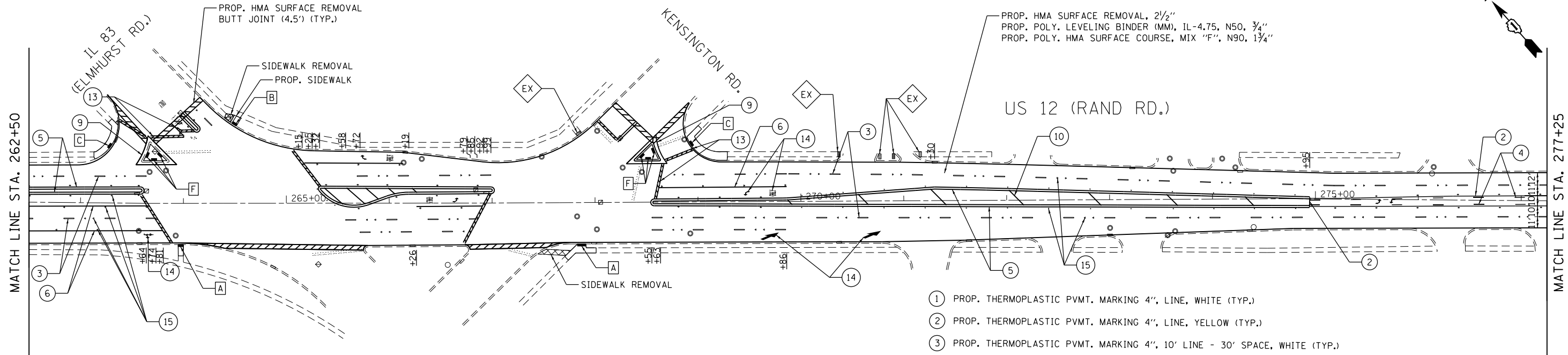
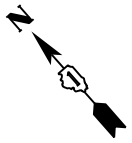
ROADWAY AND PAVEMENT MARKING PLAN  
US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)  
SCALE: SHEET 6 OF 12 SHEETS STA. 239+00 TO STA. 262+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	13
CONTRACT NO. 60Y56			ILLINOIS FED. AID PROJECT	

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	DATE - 08-21-2014	REVISED -

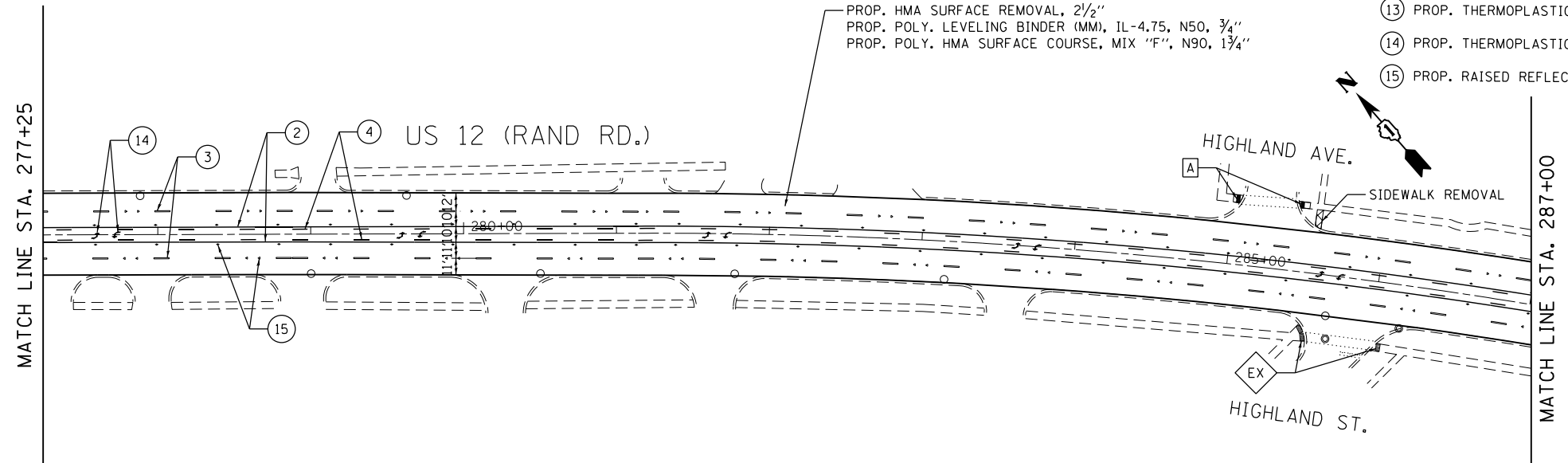


**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

EX EXISTING CURB RAMP TO REMAIN

- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

- 1 PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- 2 PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- 3 PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- 4 PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- 5 PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- 6 PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- 7 PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- 8 PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- 9 PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- 10 PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 11 PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 12 PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 13 PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- 14 PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- 15 PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)



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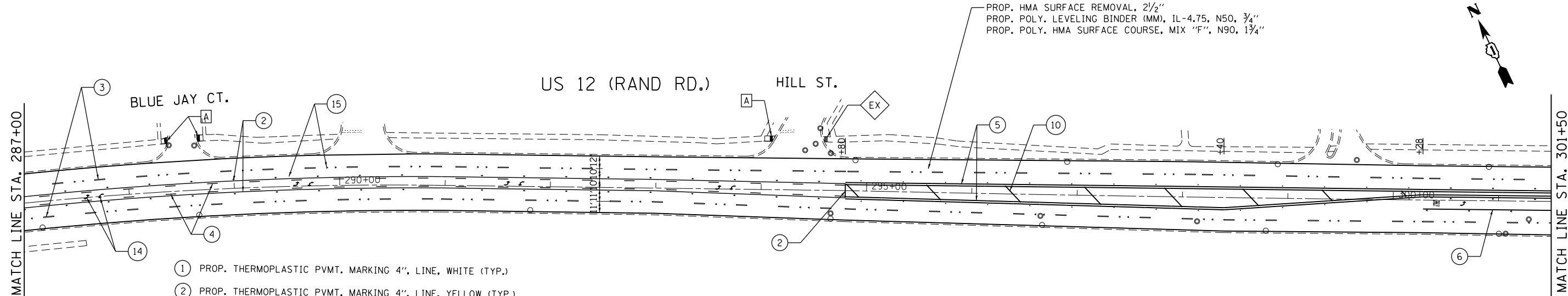


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PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 10/6/2014	CHECKED - TGM	REVISED -
	DATE - 08-21-2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)**  
SCALE: SHEET 7 OF 12 SHEETS STA. 262+50 TO STA. 287+00

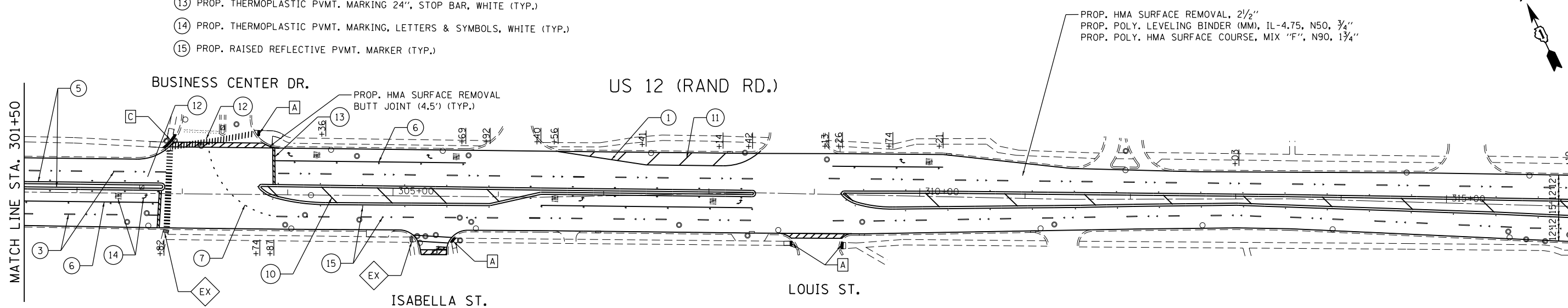
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	14
CONTRACT NO. 60Y56				
ILLINOIS FED. AID PROJECT				



- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
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- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

- A STANDARD 424001
  - B STANDARD 424006
  - C STANDARD 424011
  - D STANDARD 424021
  - E STANDARD 424026
  - F STANDARD 424031
- EX EXISTING CURB RAMP TO REMAIN



FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DURV13003F - W0 6\CADD\CADD Sheets\Civil\160V56-ah-rt-plan-08.dgn



USER NAME = jent	DESIGNED - PP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 10/6/2014	CHECKED - TGM	REVISED -
	DATE - 08-21-2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)**

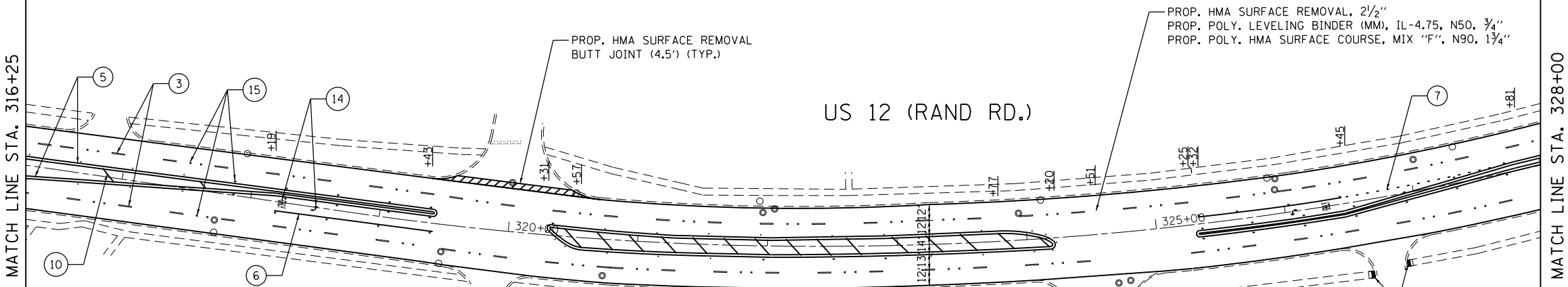
SCALE: SHEET 8 OF 12 SHEETS STA. 287+00 TO STA. 316+25

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 15
CONTRACT NO. 60Y56				ILLINOIS FED. AID PROJECT

MATCH LINE STA. 316+25

MATCH LINE STA. 328+00

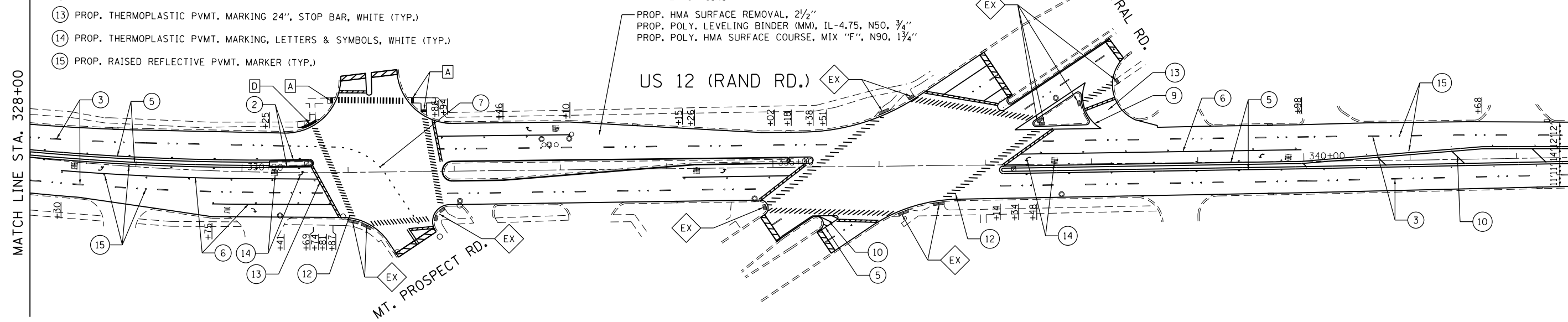
MATCH LINE STA. 342+50



- 1 PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- 2 PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- 3 PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- 4 PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- 5 PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- 6 PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- 7 PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- 8 PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- 9 PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- 10 PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 11 PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 12 PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- 13 PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- 14 PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- 15 PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

- A STANDARD 424001
  - B STANDARD 424006
  - C STANDARD 424011
  - D STANDARD 424021
  - E STANDARD 424026
  - F STANDARD 424031
- EX EXISTING CURB RAMP TO REMAIN



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN  
US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	16
CONTRACT NO. 60Y56				

SCALE: SHEET 9 OF 12 SHEETS STA. 316+25 TO STA. 342+50

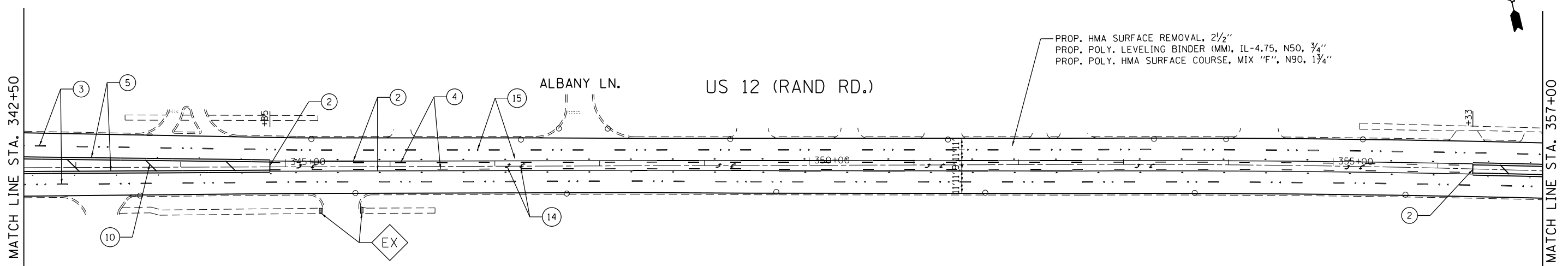
ILLINOIS FED. AID PROJECT

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USER NAME = jent	DESIGNED - PP	REVISED -
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	DATE - 08-21-2014	REVISED -



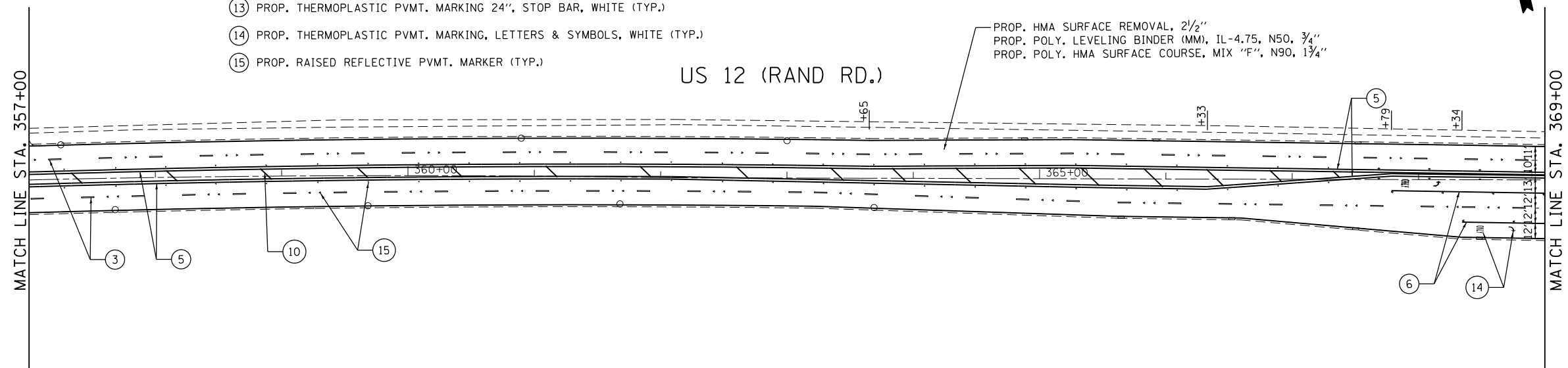


- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

— EX EXISTING CURB RAMP TO REMAIN



PROP. HMA SURFACE REMOVAL, 2 1/2"  
 PROP. POLY. LEVELING BINDER (MM), IL-4.75, N50, 3/4"  
 PROP. POLY. HMA SURFACE COURSE, MIX "F", N90, 1 3/4"



FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUV\13003F - W0 6\CADD\CADD Sheets\Civil\160156-ant-plan10.dgn



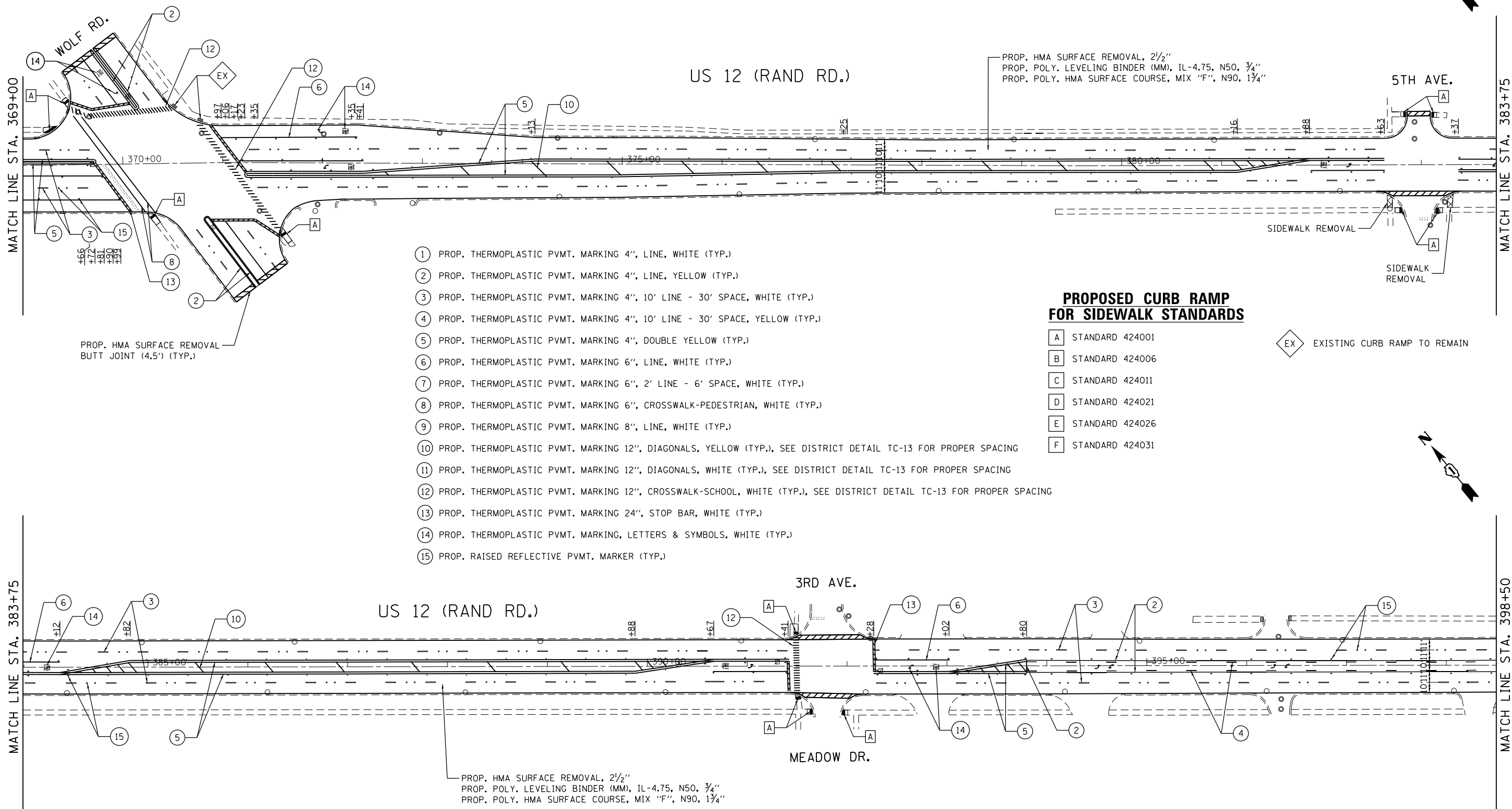
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DRAWN - JN	REVISOR -	
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PLOT DATE = 10/6/2014	DATE - 08-21-2014	REVISOR -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY AND PAVEMENT MARKING PLAN</b>	
<b>US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)</b>	
SCALE:	SHEET 10 OF 12 SHEETS STA. 342+50 TO STA. 369+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y56	

FILE NAME = D:\Engineering\LiveProjects\13003 IDOT DUR\13003F - W0 6\CADD\CADD Sheets\Civil\160556-ant-plan1.dgn



- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

EX EXISTING CURB RAMP TO REMAIN

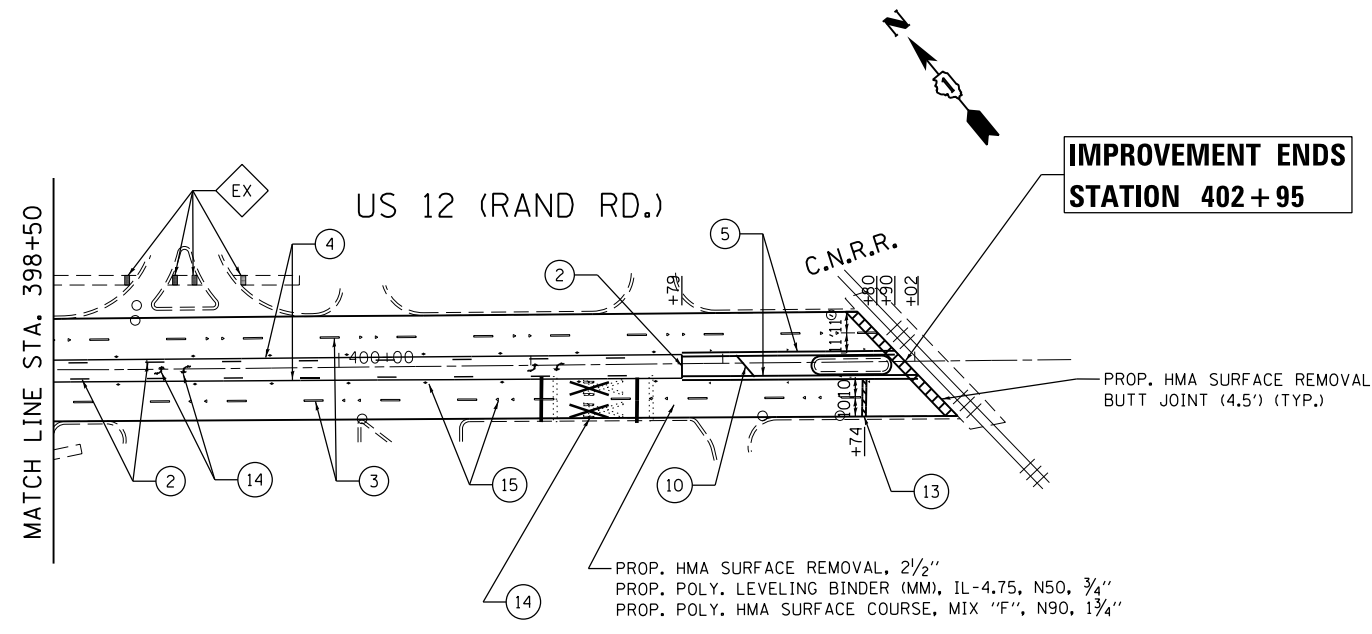


USER NAME = jent	DESIGNED - PP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 10/6/2014	CHECKED - TGM	REVISED -
	DATE - 08-21-2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN**  
**US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)**  
 SCALE: SHEET 11 OF 12 SHEETS STA. 369+00 TO STA. 398+50

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 18
CONTRACT NO. 60Y56				ILLINOIS FED. AID PROJECT



- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, WHITE (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10' LINE - 30' SPACE, YELLOW (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", LINE, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' LINE - 6' SPACE, WHITE (TYP.)
- ⑧ PROP. THERMOPLASTIC PVMT. MARKING 6", CROSSWALK-PEDESTRIAN, WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PVMT. MARKING 8", LINE, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12", CROSSWALK-SCHOOL, WHITE (TYP.), SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
- ⑬ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
- ⑭ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS & SYMBOLS, WHITE (TYP.)
- ⑮ PROP. RAISED REFLECTIVE PVMT. MARKER (TYP.)

**PROPOSED CURB RAMP FOR SIDEWALK STANDARDS**

- A STANDARD 424001
- B STANDARD 424006
- C STANDARD 424011
- D STANDARD 424021
- E STANDARD 424026
- F STANDARD 424031

◇ EX EXISTING CURB RAMP TO REMAIN

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DURV13003F - W0 6\CADD\CADD Sheets\Civil\160156-ant-plan12.dgn



USER NAME = jent	DESIGNED - PP	REVISED -
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PLOT DATE = 10/6/2014	DATE - 08-21-2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

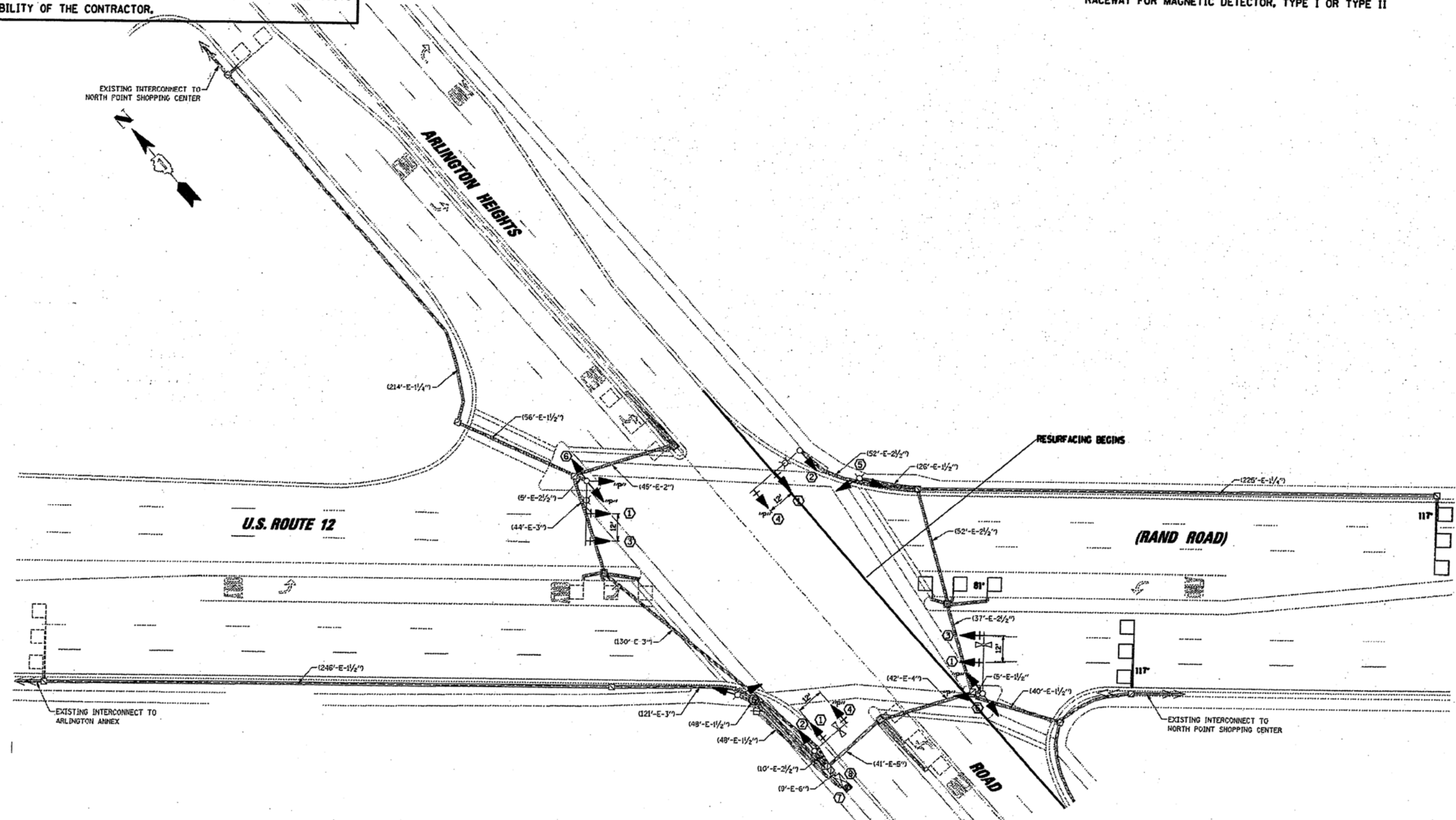
<b>ROADWAY AND PAVEMENT MARKING PLAN</b>	
<b>US 12 (RAND RD.) ARLINGTON HEIGHTS RD. TO NW OF IL 58 (GOLF RD.)</b>	
SCALE:	SHEET 12 OF 12 SHEETS STA. 398+50 TO STA. 402+95

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	19
<b>CONTRACT NO. 60Y56</b>				
ILLINOIS FED. AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	315	FOOT	DETECTOR LOOP REPLACEMENT

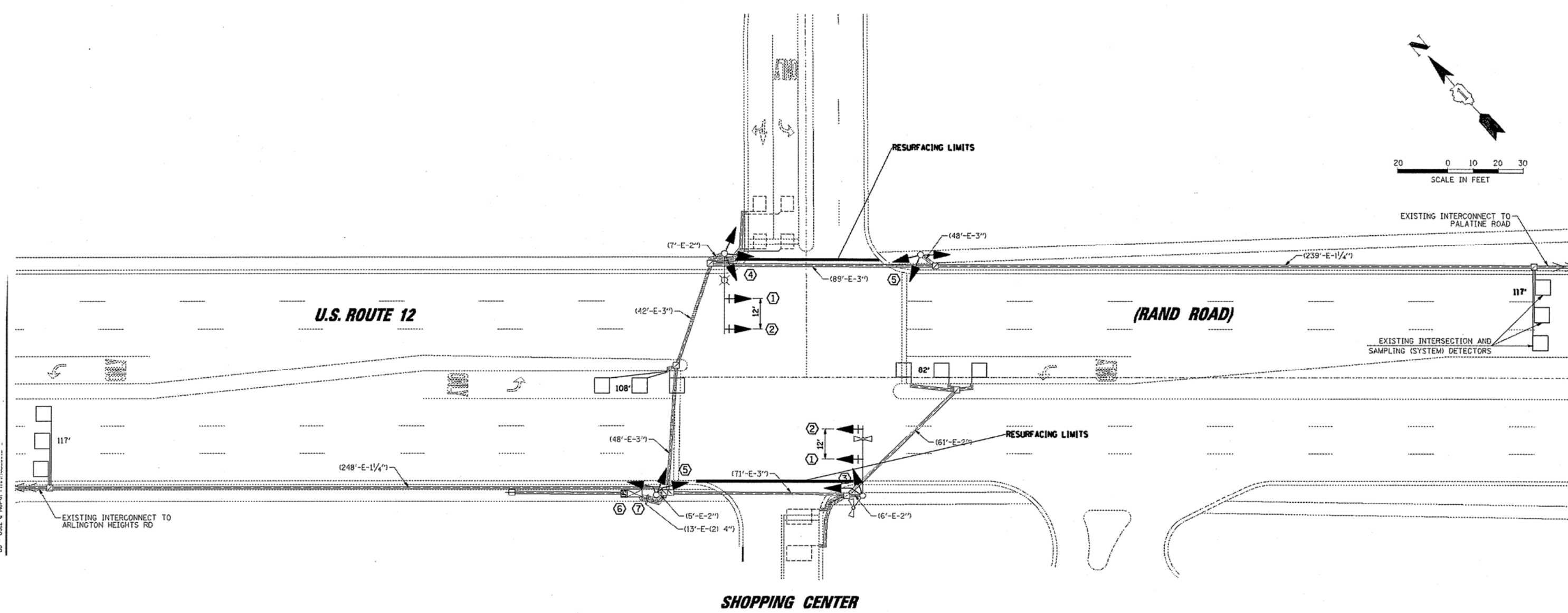
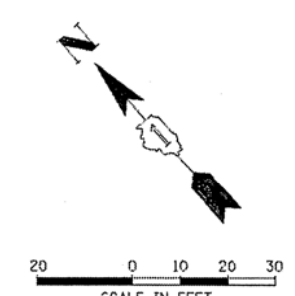
FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryjo	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT ARLINGTON HEIGHTS RD</b>	F.A.P. RTE. = 334	SECTION = (2R-1&119RS-7)	COUNTY = COOK	TOTAL SHEETS = 51	SHEET NO. = 20		
	PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60Y56			
	PLOT DATE = 7/17/2014	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		

**NORTH POINT SHOPPING CENTER**



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

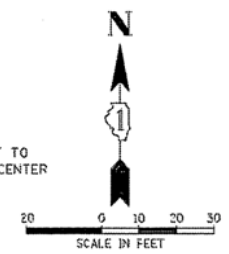
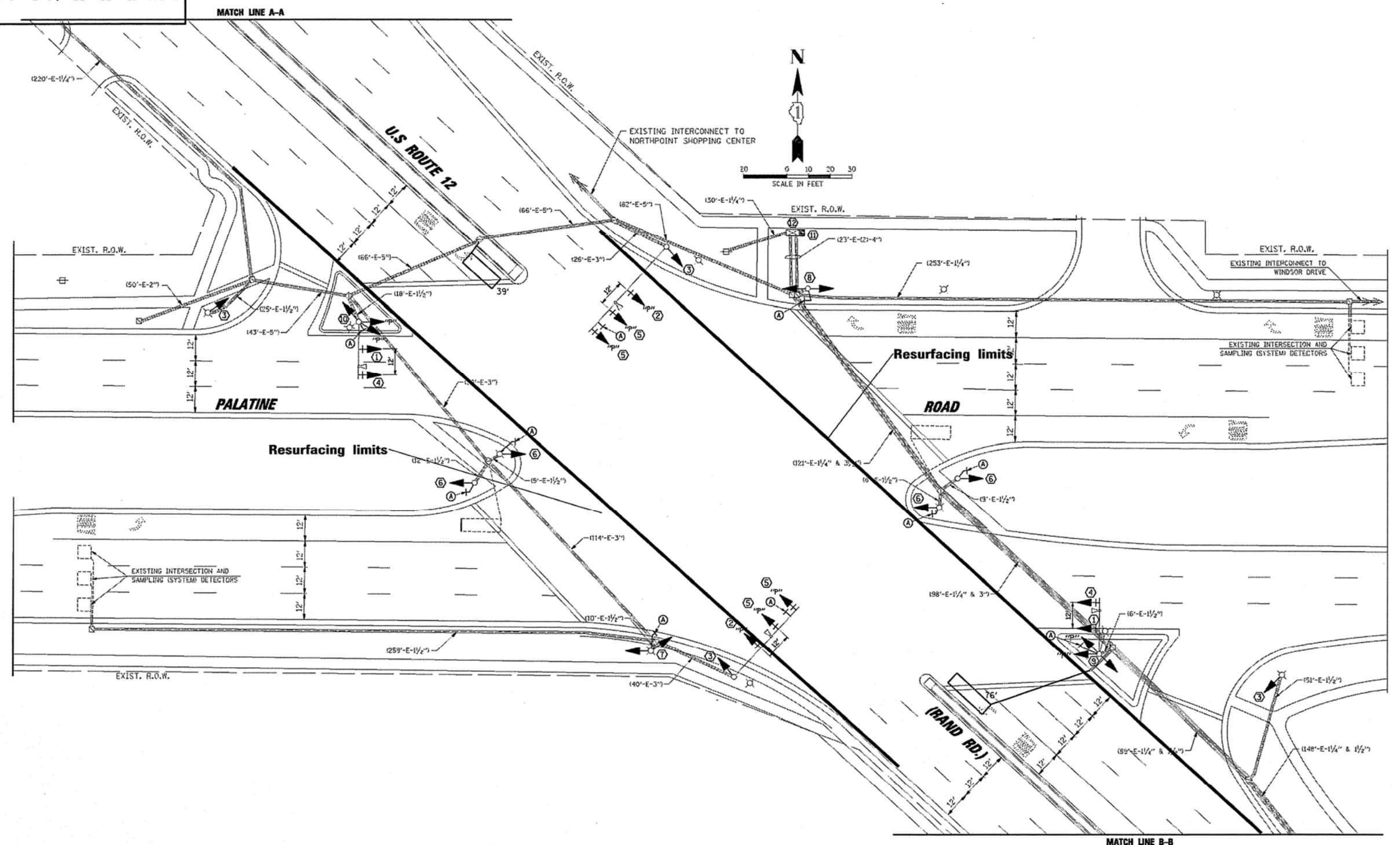
CODE	QUANTITY	UNIT	ITEM
88600600	424	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryjs	DESIGNED - DRAWN: shopping_Center\Detector Loop.dgn	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US ROUTE 12 RAND RD AT NORTHPOINT SHOPPING CENTER</b>	F.A.P. RTE. 334	SECTION (2R-18119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 21		
	Resurfacing Project\VC.Cook\US 12 @ North	CHECKED -	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60Y56			
	PLOT SCALE = 100.0001' / in.	DATE -	REVISED -									
	PLOT DATE = 8/11/2014					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

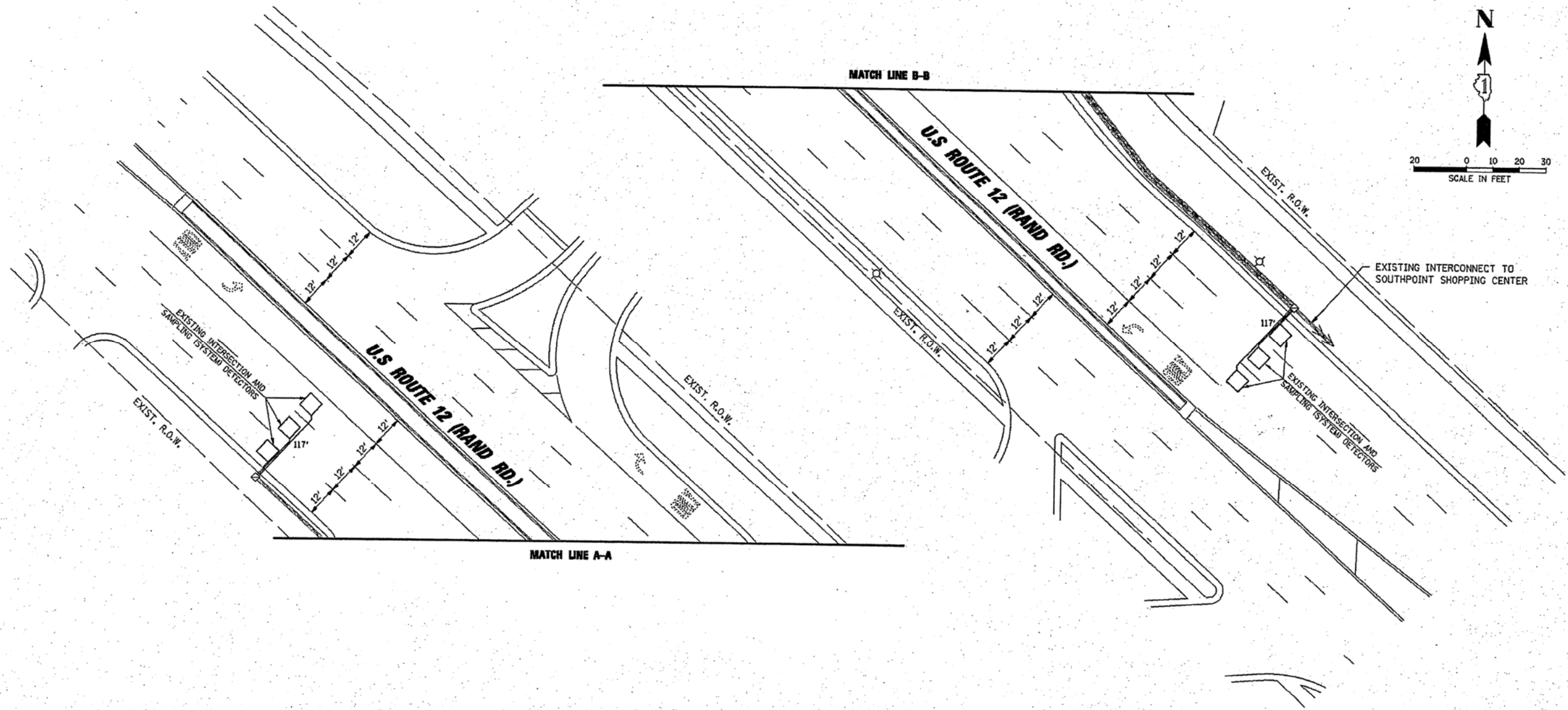
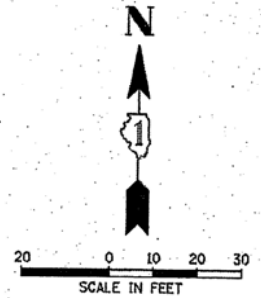
CODE	QUANTITY	UNIT	ITEM
88600600	115	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryjo	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT PALATINE RD</b>	F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 22	
	DESIGNED - Resurfacing Project\Cook\US 12 @ PALA	DRAWN - Detector Loop.dgn	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60Y56
	PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -								
	PLOT DATE = 8/11/2014	DATE -	REVISED -								

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	⬆	⬆
SIGNAL HEAD	⬆	⬆
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	⊥	⊥
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	⊥	⊥



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	234	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryje	DESIGNED -	REVISED -
S:\MVP\Design\Detector Loops Replacement	- Resurfacing Project\Cook\US 12 @ PALA	DRAWN Detector Loop.dgn	REVISED -
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -
	PLOT DATE = 7/9/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
US 12 RAND RD AT PALANTINE RD CONTINUED**

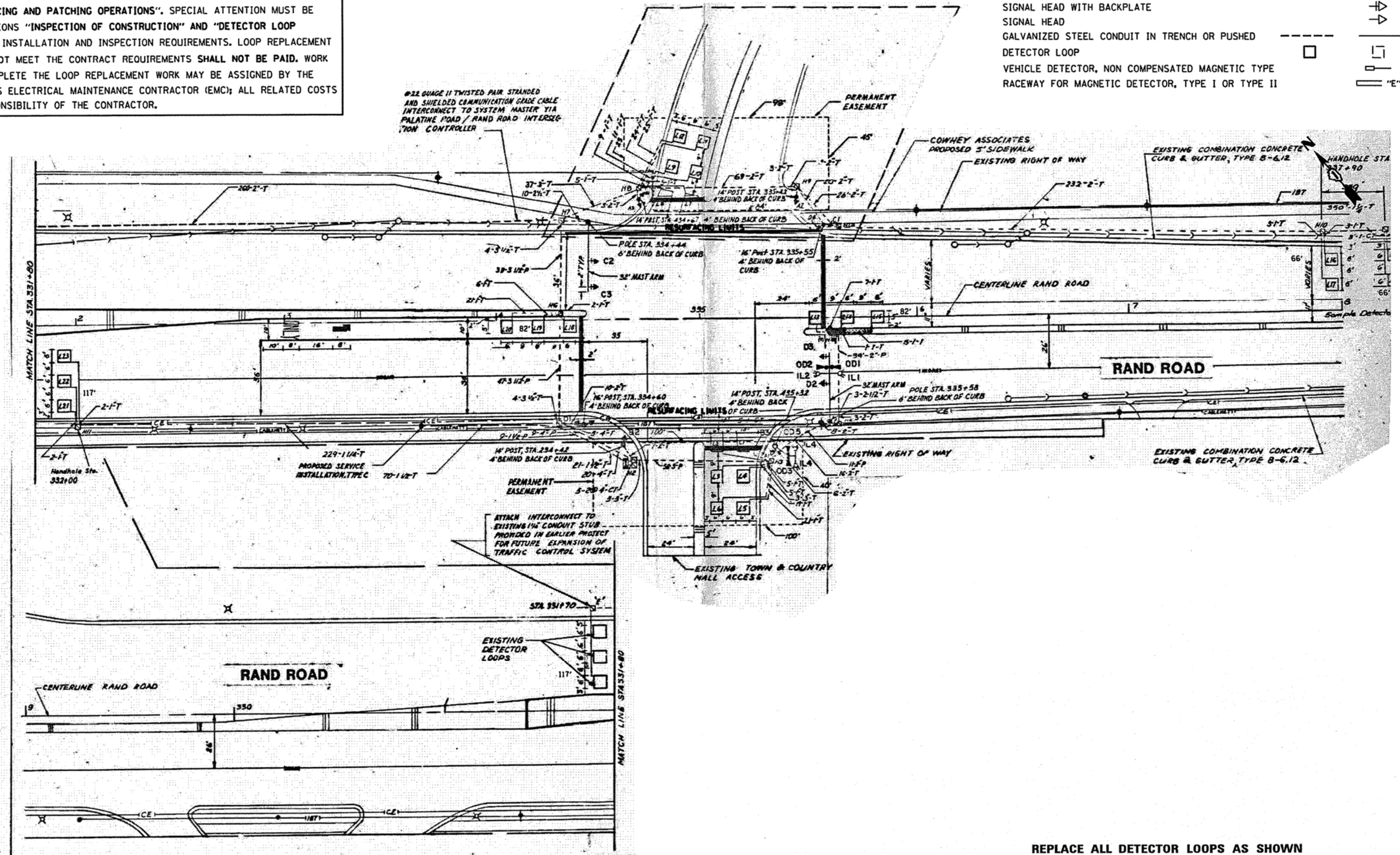
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(2R-1&119)RS-7	COOK	51	23
CONTRACT NO. 60Y56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	347	FOOT	DETECTOR LOOP REPLACEMENT

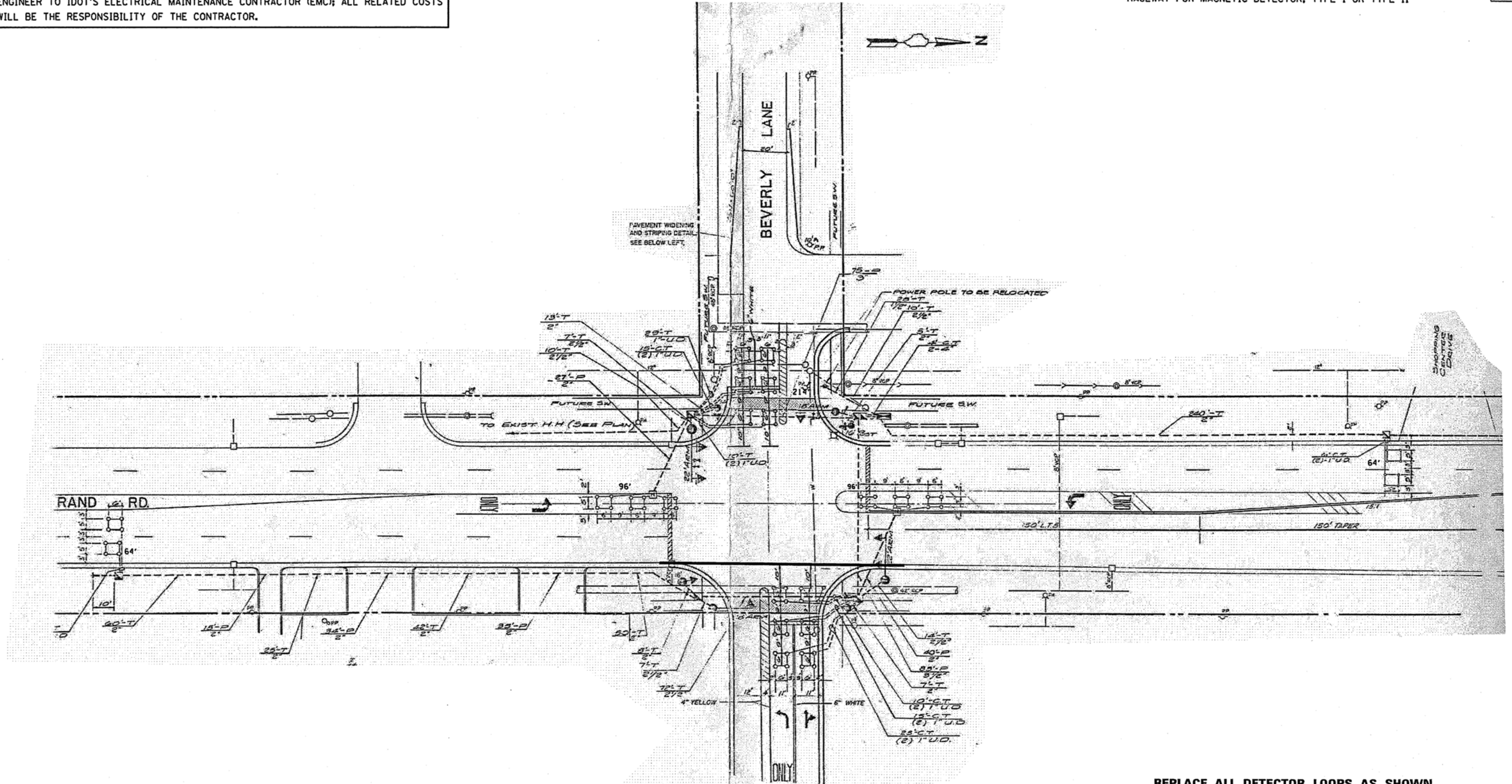
FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryje	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT SOUTHPOINT SHOPPING CENTER</b>	F.A.P. RTE. 334	SECTION (ZR-1&119RS-7)	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 24	
	- Resurfacing Project \C.Cook\US 12 @ SCUT	DRAWN - OPPING CENTER\Detector Loop.dgn	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60Y56		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
	PLT SCALE = 100.0001' / in.	CHECKED -	REVISED -								
	PLT DATE = 8/7/2014	DATE -	REVISED -								



WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	◻	◻
SIGNAL HEAD	◻	◻
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	◻	◻
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	◻	◻
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	◻	◻



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

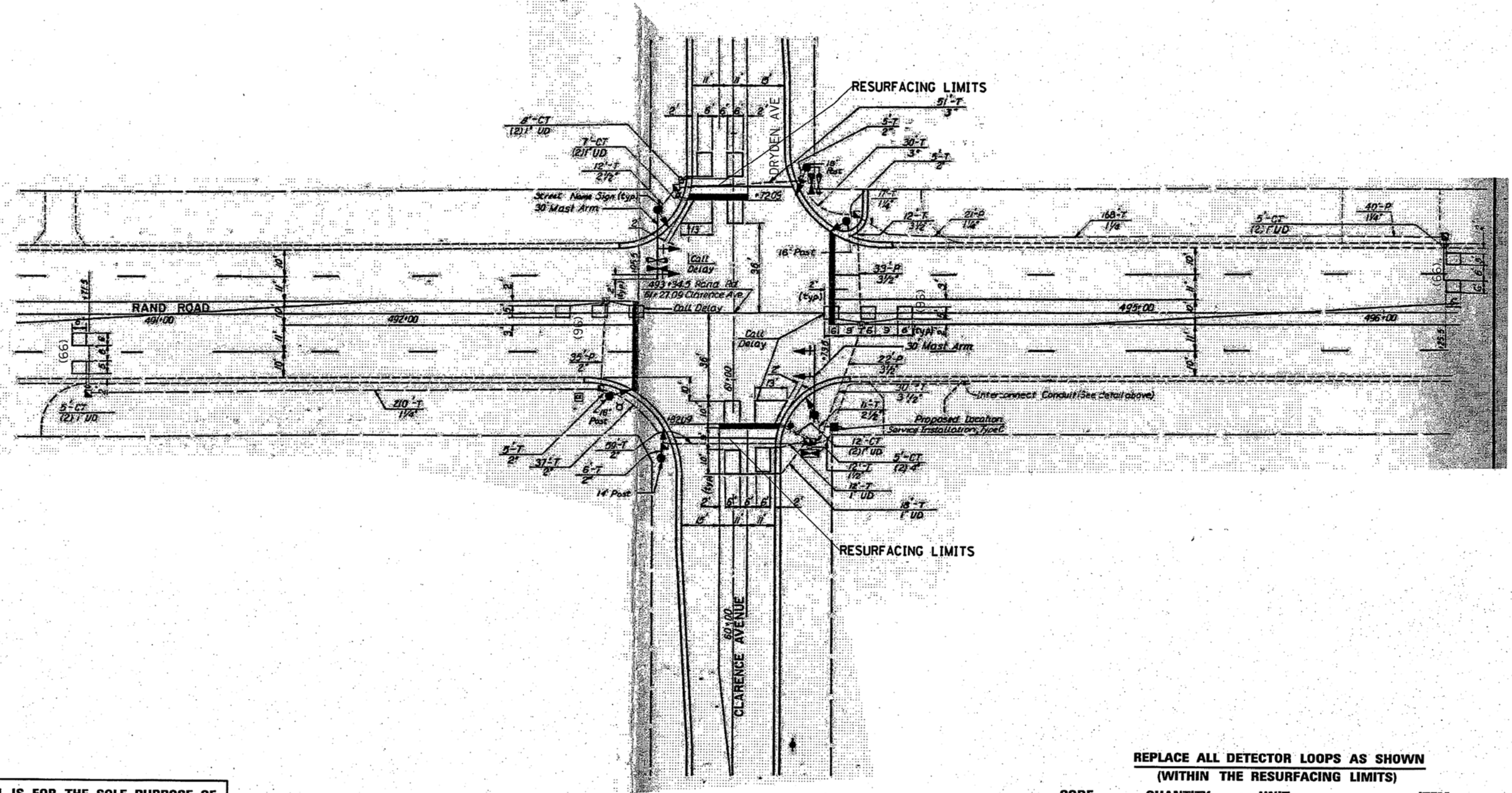
CODE	QUANTITY	UNIT	ITEM
88600600	534	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryjs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT BEVERLY LN</b>	F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 25		
	- Resurfacing Project \C.Cook\TS 421 - US	2DRAWING @ BEVERLY\Detector Loop.dgn	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	CONTRACT NO. 60Y56		
	PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -									
	PLOT DATE = 8/11/2014	DATE -	REVISED -									

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	<b>PROPOSED</b>	<b>EXISTING</b>
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

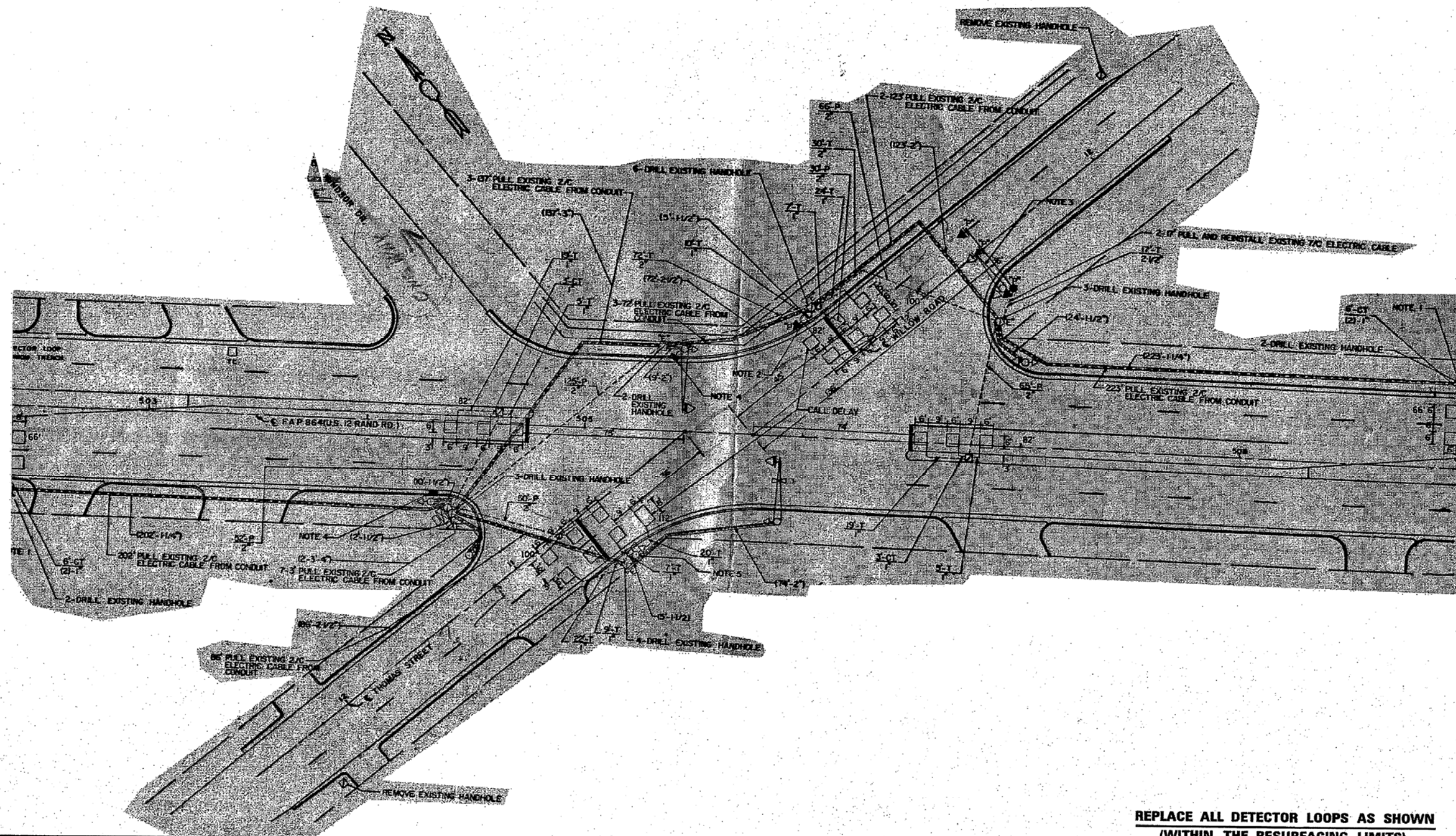
CODE	QUANTITY	UNIT	ITEM
88600600	324	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryje	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT DRYDEN AVE</b>	F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 26	
	Resurfacing Project\Cook\TS 415 - US	DRAWING & DRYDEN RD\Detector Loop.dgn	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT	CONTRACT NO. 60Y56	
	PLOT SCALE = 1/8" = 1' in.	CHECKED -	REVISED -								
	PLOT DATE = 7/8/2014	DATE -	REVISED -								

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	<b>PROPOSED</b>	<b>EXISTING</b>
SIGNAL HEAD WITH BACKPLATE	→	→
SIGNAL HEAD	→	→
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		⊥
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		⊥



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

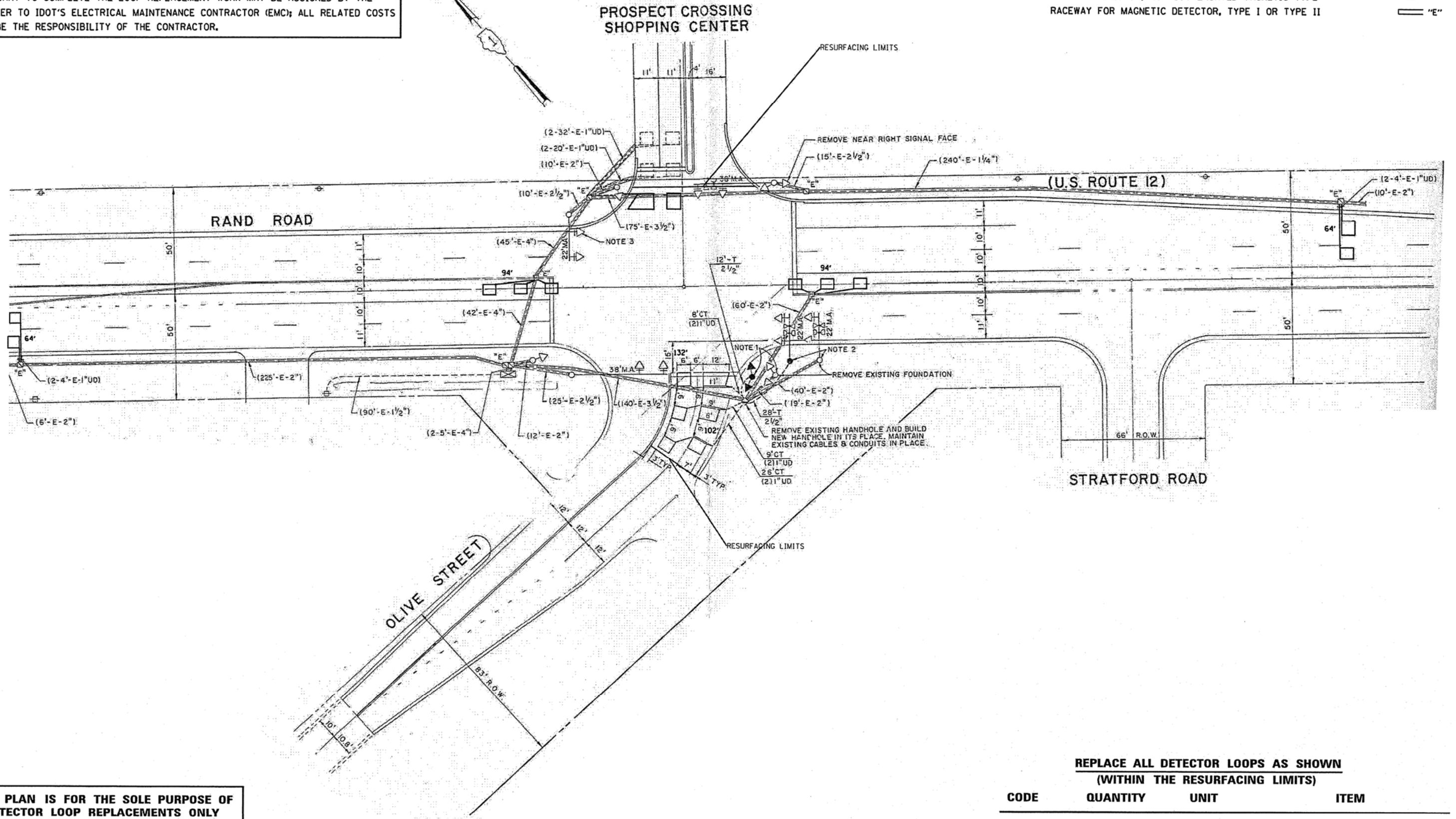
CODE	QUANTITY	UNIT	ITEM
88600600	690	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT WILLOW RD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\Detector Loops Replacement	- Resurfacing Project\Cook\TS 428 - US 12	2DRANLOW R3\Detector Loop.dgn	REVISED -			334	(ZR-1&119)RS-7	COOK	51	27
PLOT SCALE = 1/8" = 1'-0"		CHECKED -	REVISED -			CONTRACT NO. 60Y56		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT
PLOT DATE = 7/16/2014		DATE -	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA.	TO STA.	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	624	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryjs	DESIGNED -	REVISED -
S:\WP\Design\Detector Loops Replacement	Resurfacing Project\Cook\TS 419 - US	DRAWN RD @ OLIVE ST\Detector Loop.dgn	REVISED -
PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 8/11/2014	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
US 12 RAND ROAD AT OLIVE ST.**

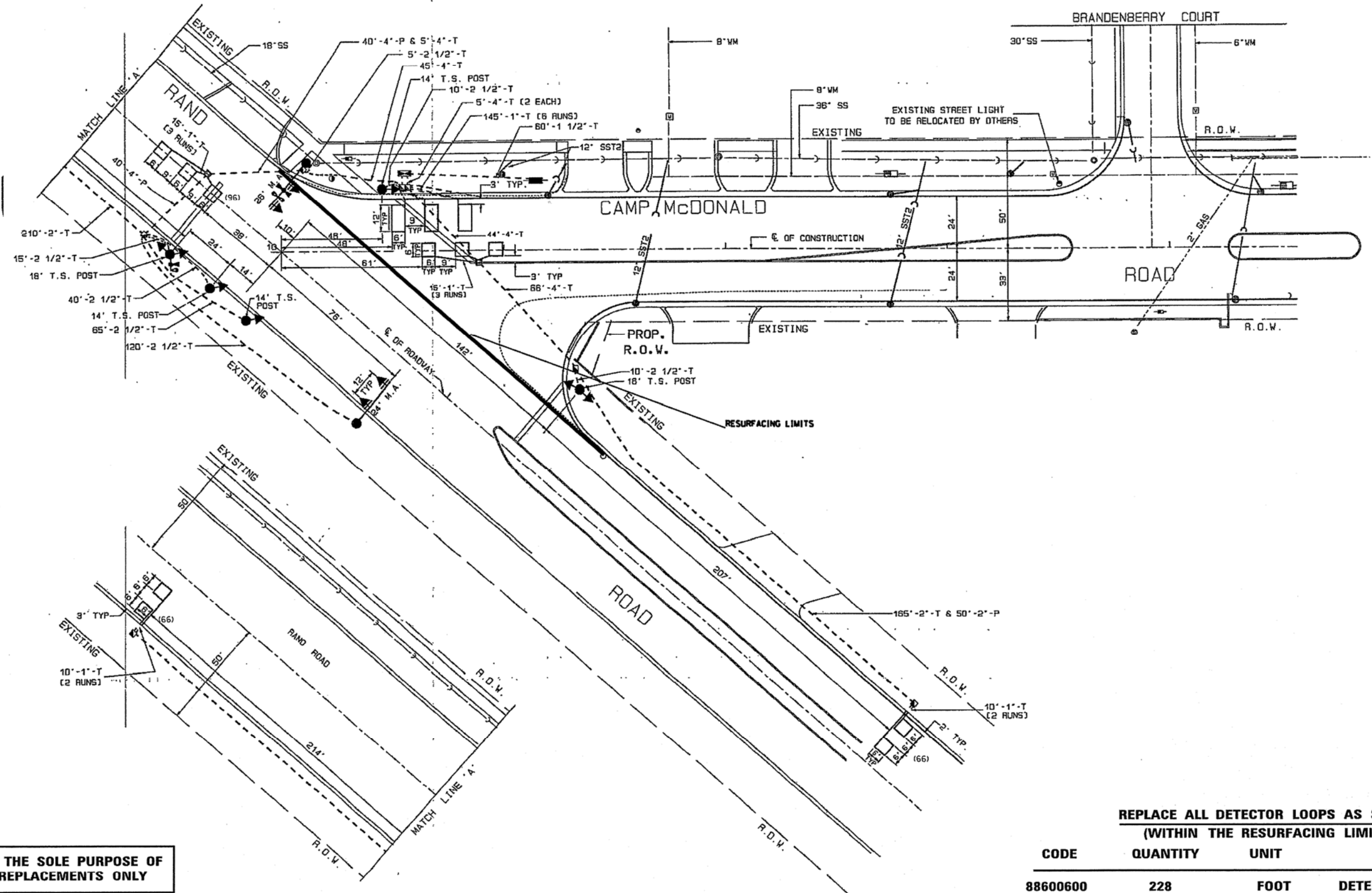
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	28
CONTRACT NO. 60Y56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	<b>PROPOSED</b>	<b>EXISTING</b>
SIGNAL HEAD WITH BACKPLATE	□	◀▶
SIGNAL HEAD	◀▶	◀▶
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	□	□
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	□	□



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

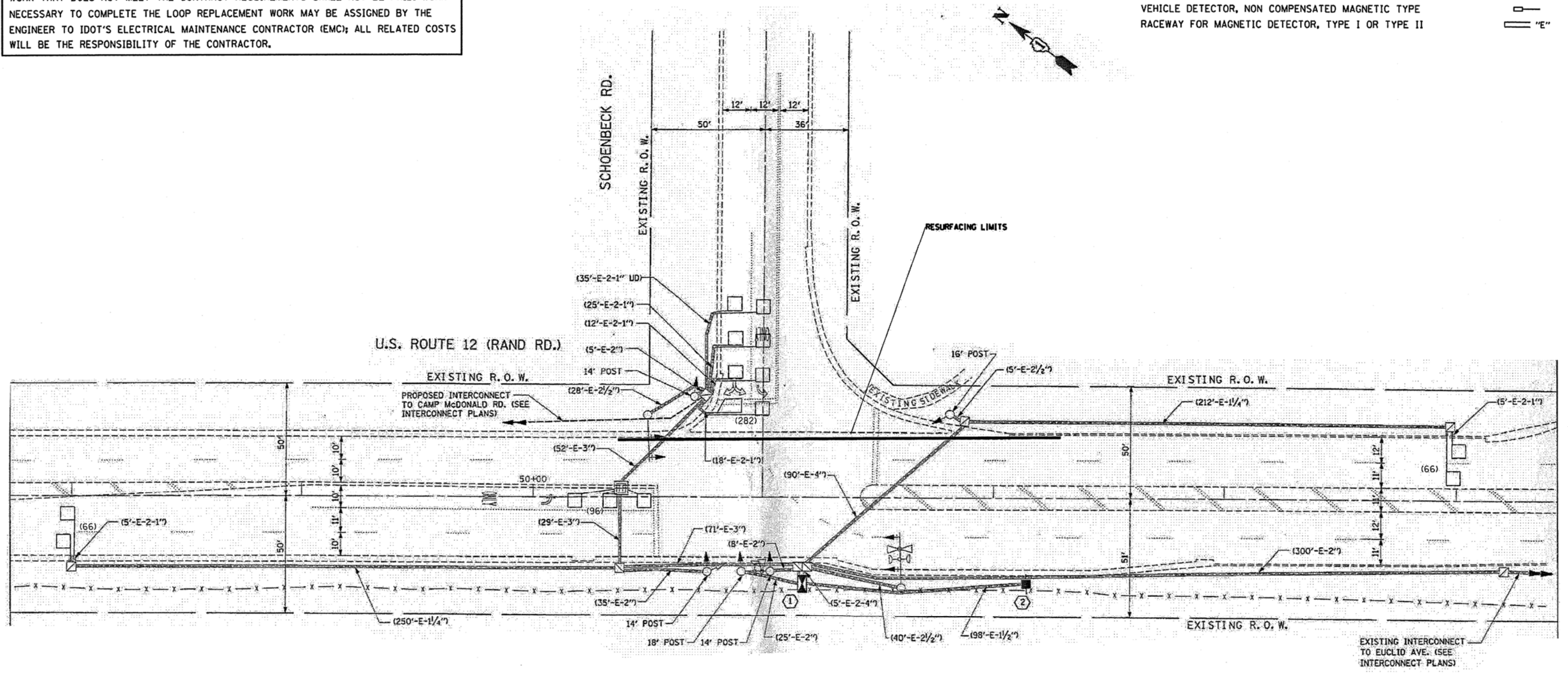
CODE	QUANTITY	UNIT	ITEM
88600600	228	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector-Loops Replacement	USER NAME = curryj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 (RAND ROAD) AT CAMP McDONALD</b>	F.A.P. RTE. 334	SECTION (ZR-1&119RS-7)	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 29	
	Resurfacing Project \C_Cook\TS 398 - US 12	DRAWN RD e-CAMP McDONALD\Detector Loops	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60Y56		
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -								
	PLOT DATE = 8/11/2014	DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	228	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryjo	DESIGNED -	REVISED -
	Resurfacing Project\Cook\TS 392 - US	DRAWN BY SCHOENBECK RD\Detector Loop	REVISED -
	PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/11/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

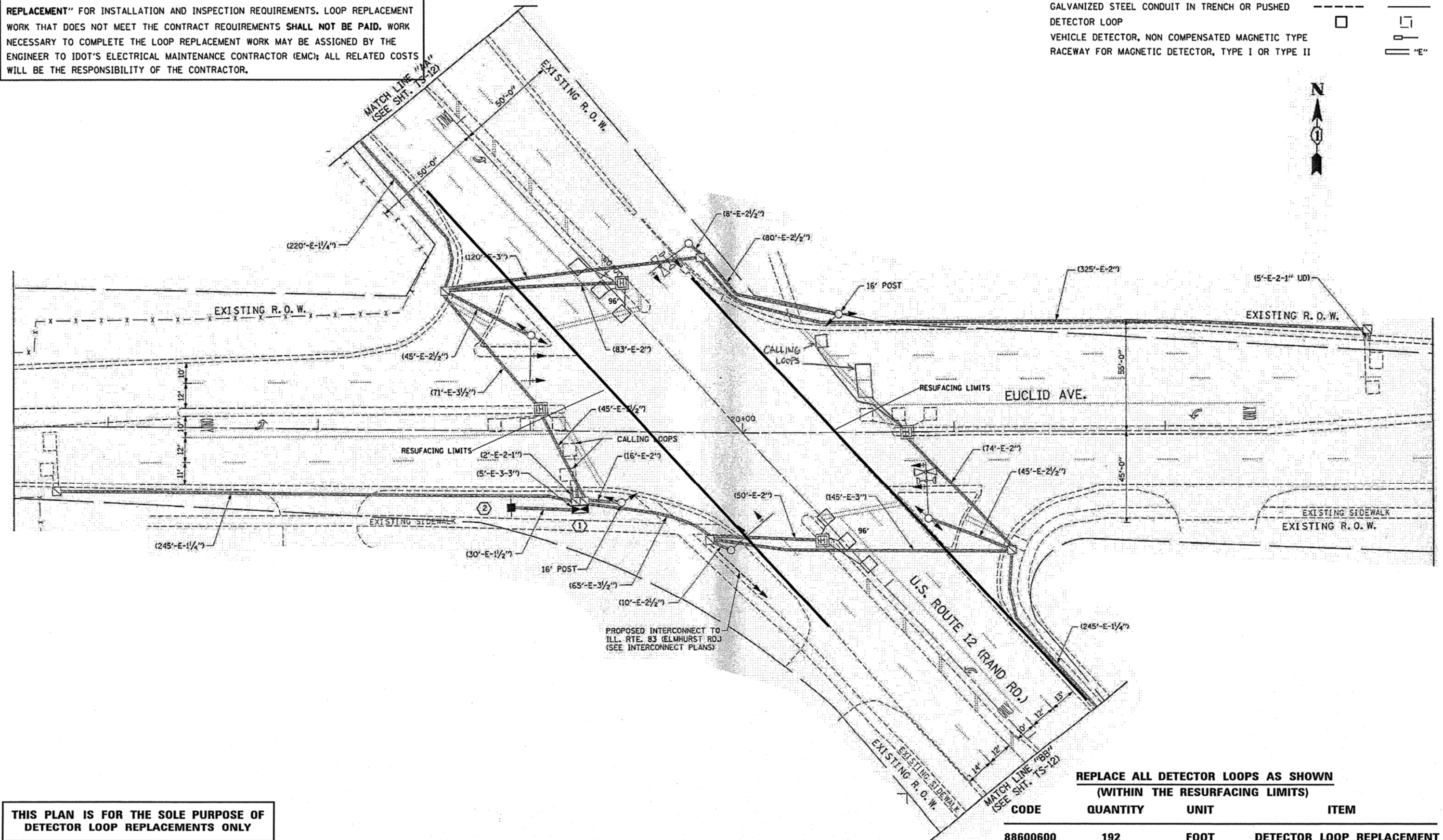
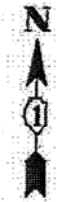
**DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
US 12 (RAND RD) AT SCHOENBECK RD**

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 30
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60Y56	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	<b>PROPOSED</b>	<b>EXISTING</b>
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

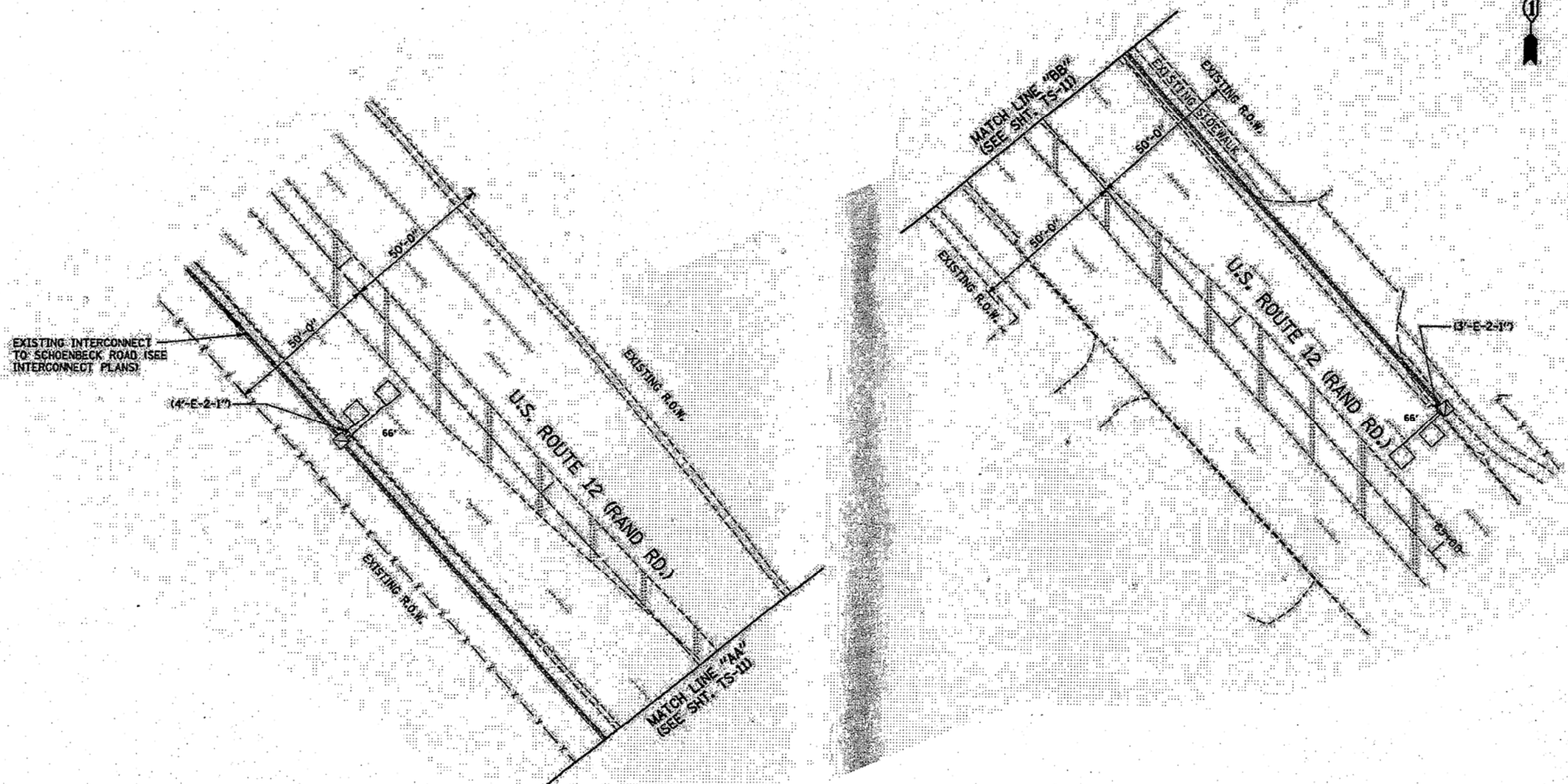
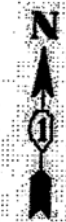
CODE	QUANTITY	UNIT	ITEM
88600600	192	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryjo	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT EUCLID</b>	F.A.P. RTE. 334	SECTION (ZR-1&119RS-7)	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 31		
	Resurfacing Project\VC.Cook\US 12 AT EUCLID	DRAWN: tor Loop.dgn	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	<b>CONTRACT NO. 60Y56</b>			
	PLOT SCALE = 100.0001" / in.	CHECKED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
	PLOT DATE = 8/11/2014	DATE -	REVISED -									

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	132	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryja	DESIGNED -	REVISIONS -
S:\MP\Design\Detector Loops Replacement	- Resurfacing Project\NC\Cook\US 12 AT EUCLID	JDR	
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISIONS -
	PLOT DATE = 7/9/2014	DATE -	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
US 12 RAND RD AT EUCLID CONTINUED**

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 32
CONTRACT NO. 60Y56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

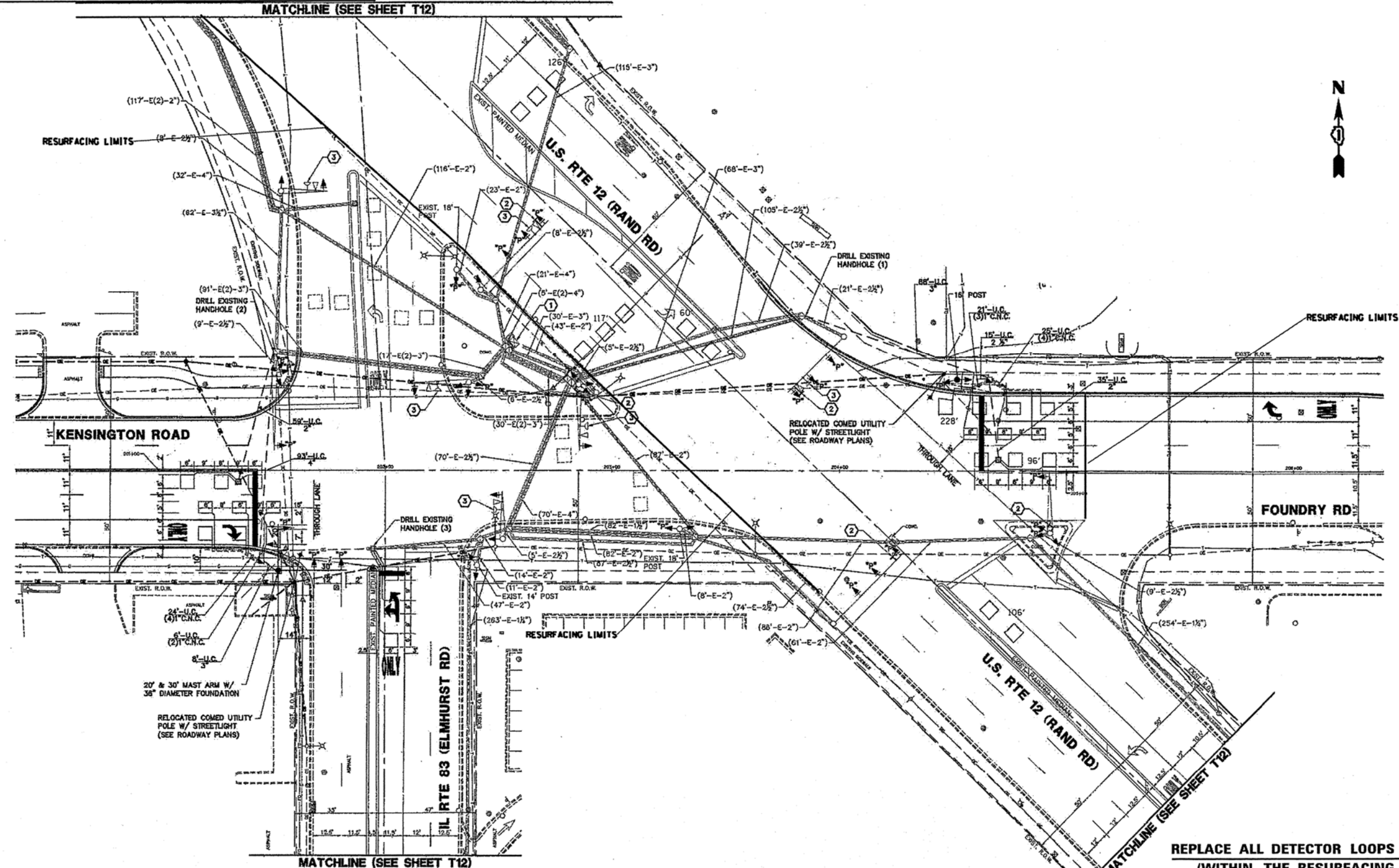
SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.



WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	<b>PROPOSED</b>	<b>EXISTING</b>
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

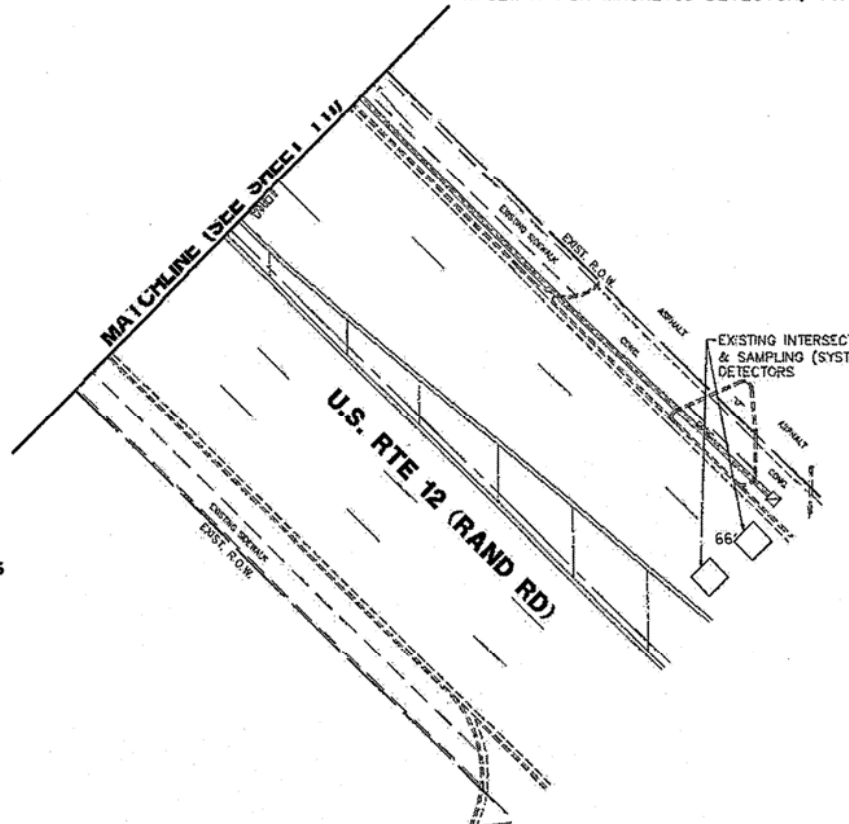
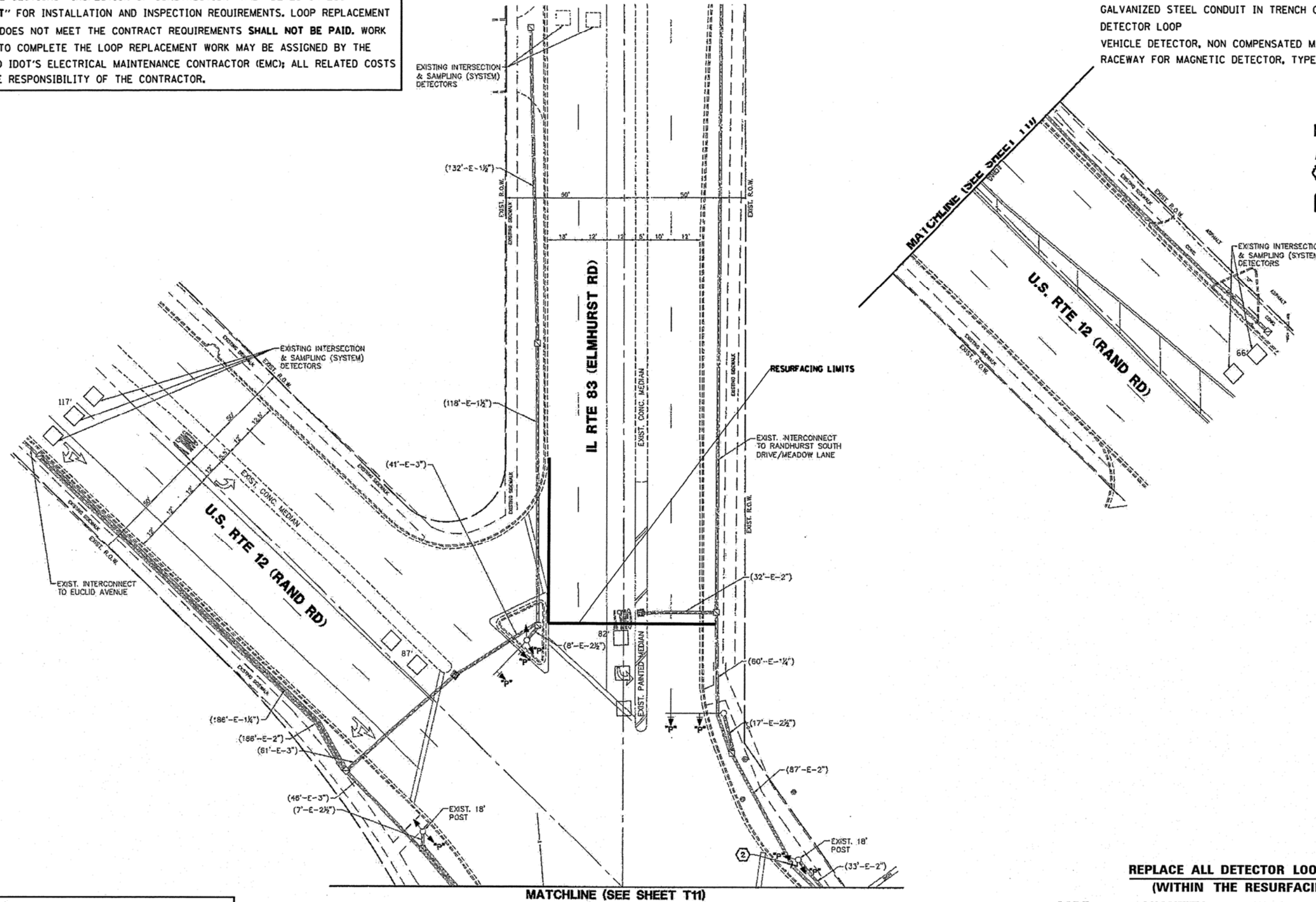
CODE	QUANTITY	UNIT	ITEM
88600600	733	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryje	DESIGNED - IBRAWN 83 & KENSINGTON\Detector Loops	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT U.S. ROUTE 12 AT IL 83 &amp; KENSINGTON</b>			F.A.P. RTE. 334	SECTION (ZRI&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 33			
	Resurfacing Project\Cook\TS 388 - US	CHECKED -	REVISED -					SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60Y56				
	PLOT SCALE = 100.0001' / 1"	DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
	PLOT DATE = 8/11/2014														

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	352	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryjo	DESIGNED -	REVISED -
S:\WP\Design\Detector Loops Replacement	- Resurfacing Project\Cook\T5 388 - US	DRAWN 83 & KENSINGTON\Detector Loop	REVISED -
	PLDT SCALE = 100.0001' / 1" =	CHECKED -	REVISED -
	PLDT DATE = 8/11/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
U.S. ROUTE 12 AT IL 83 & KENSINGTON CONTINUED**

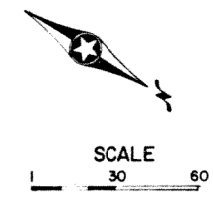
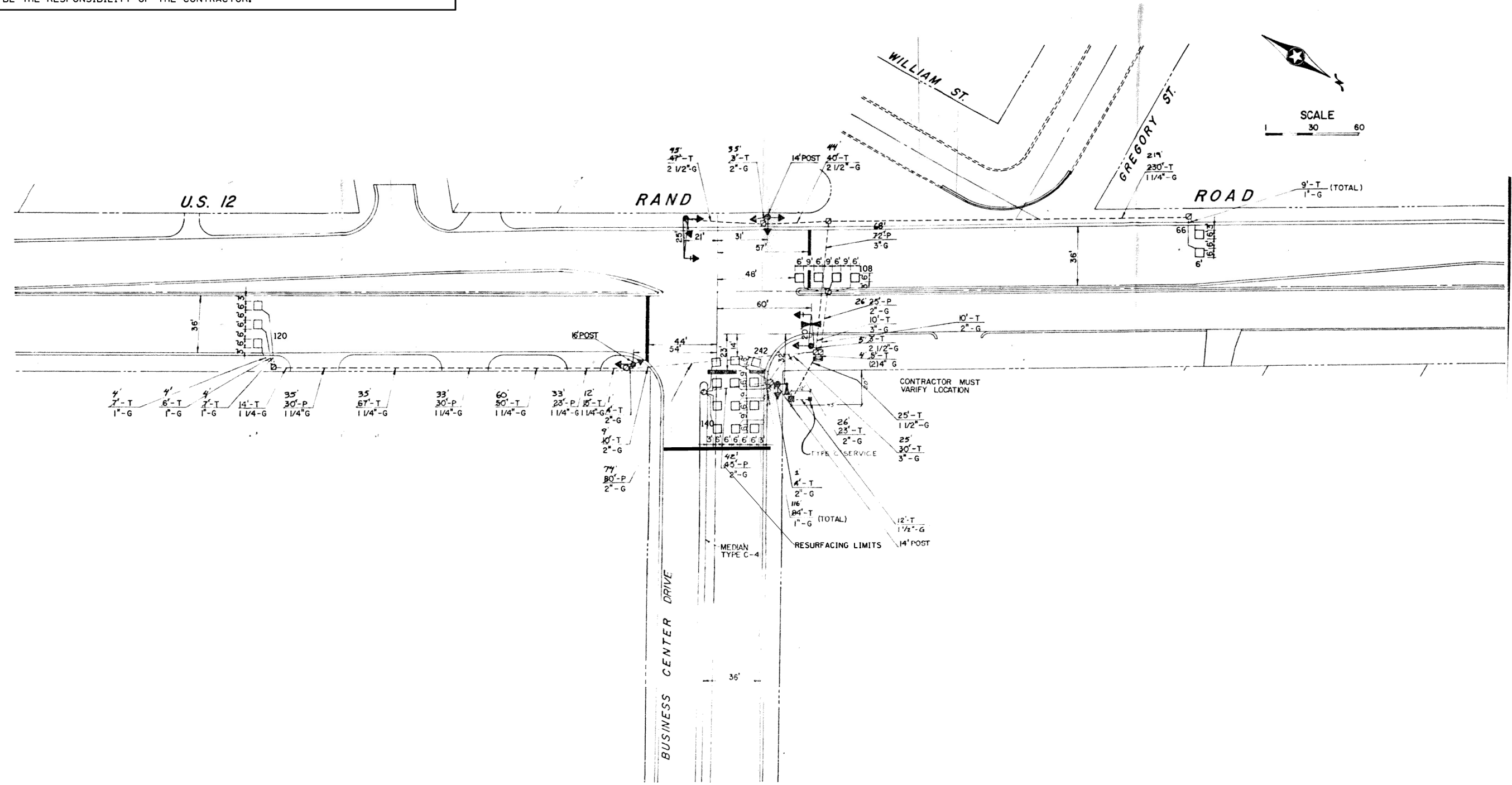
SCALE: NTS	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZRI&119)RS-7	COOK	51	34
CONTRACT NO. 60Y56			ILLINOIS FED. AID PROJECT	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS **SHALL NOT BE PAID**. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

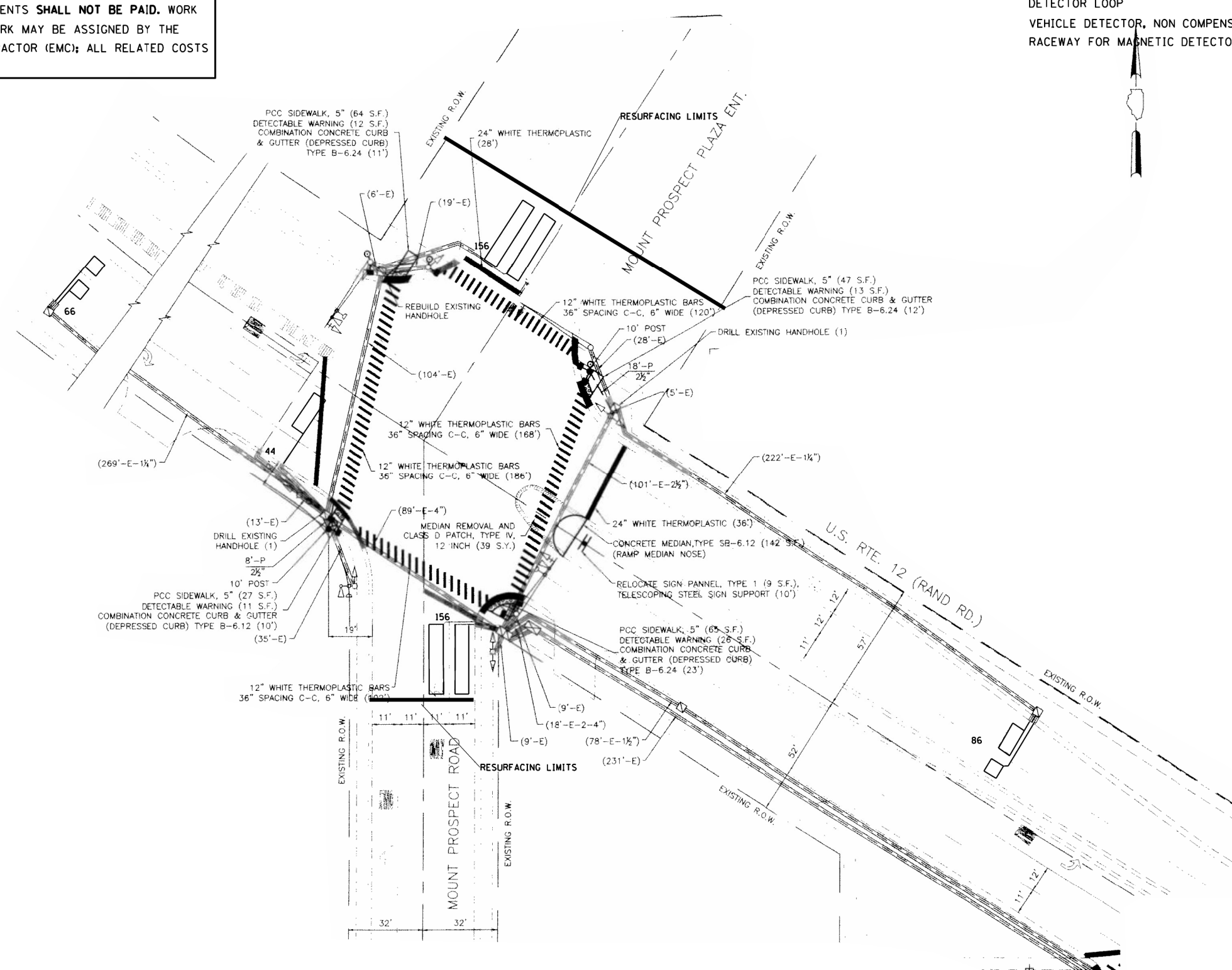
CODE	QUANTITY	UNIT	ITEM
88600600	676	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT BUSINESS CENTER DR</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\Detector Loops Replacement	Resurfacing Project\Cook\TS 9645 - US	DRAWN Rd @ Business Center Dr\Detector	REVISED -			334	(ZR-1&119)RS-7	COOK	51	35
	PLOT SCALE = 1/8"=1'-0" / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y56				
	PLOT DATE = 8/18/2014	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS **SHALL NOT BE PAID**. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

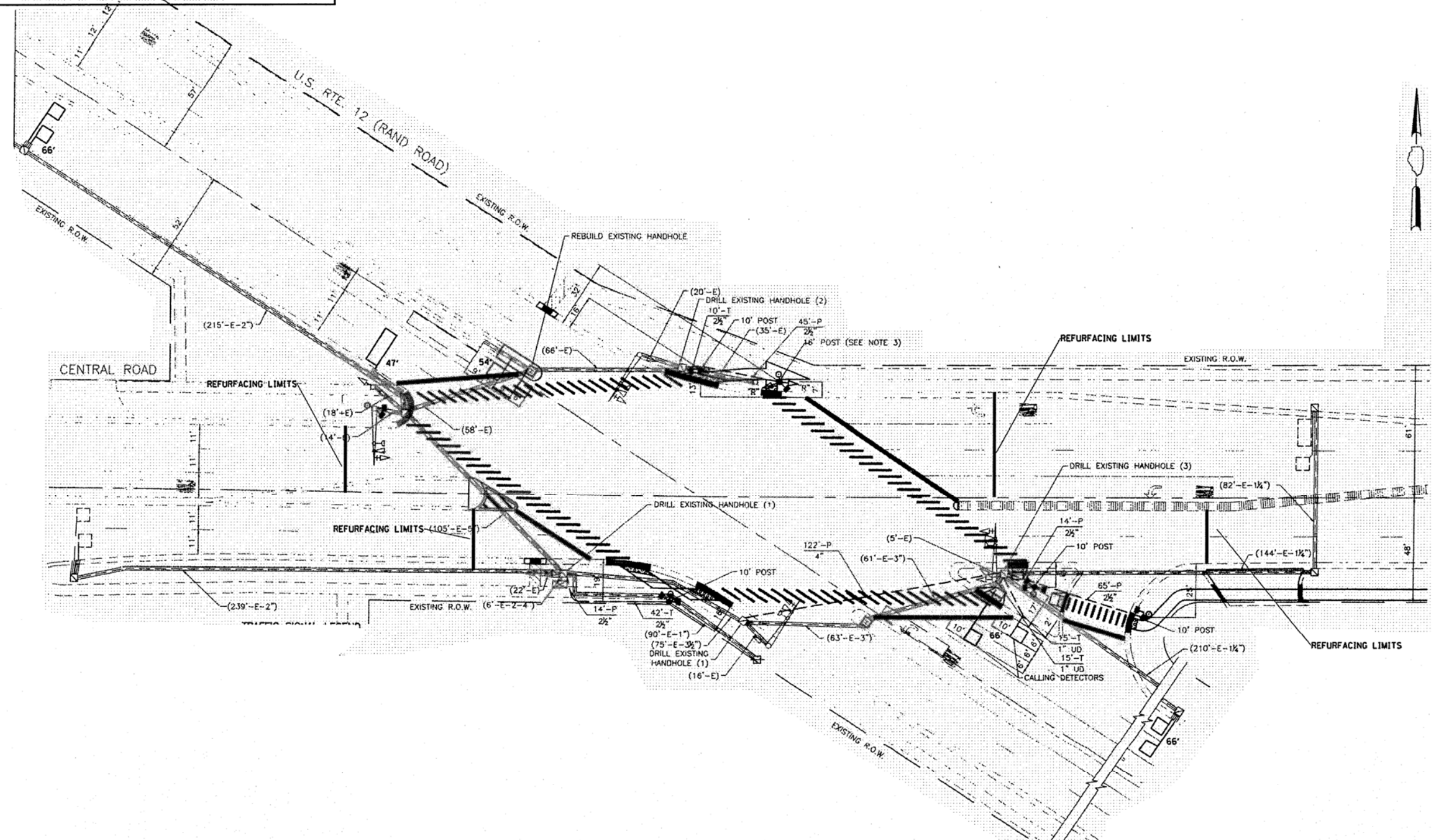
CODE	QUANTITY	UNIT	ITEM
88600600	508	FOOT	DETECTOR LOOP REPLACEMENT

**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	<b>PROPOSED</b>	<b>EXISTING</b>
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

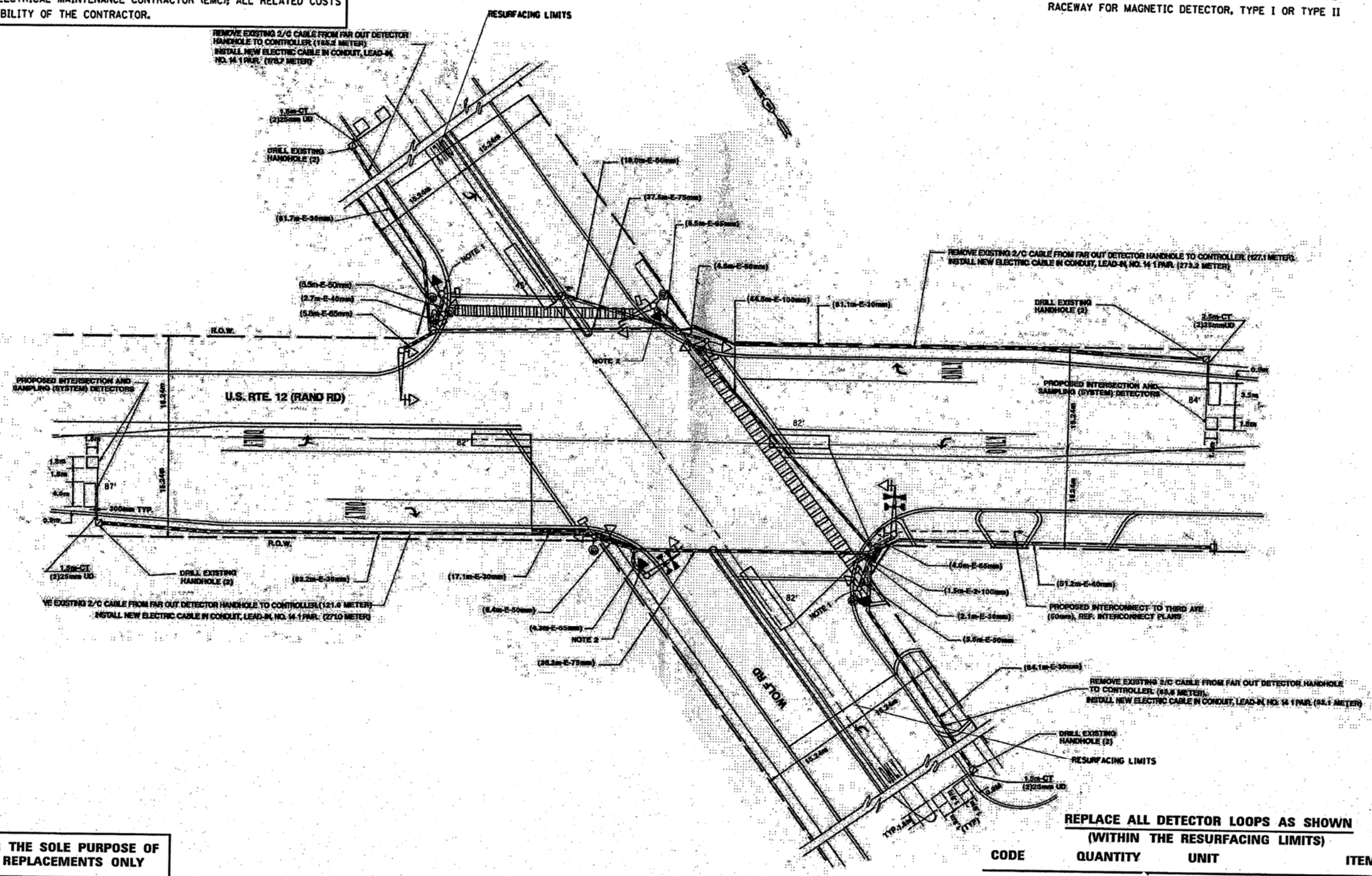
CODE	QUANTITY	UNIT	ITEM
88600600	299	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryjo	DESIGNED - DRA\CENTRAL\Detector Loop.dgn	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT CENTRAL RD</b>	F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 37	
	PLOT SCALE = 100.0001" / in.	CHECKED -	REVISED -			<b>CONTRACT NO. 60Y56</b>					
	PLOT DATE = 8/11/2014	DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
						SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.			

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	<u>PROPOSED</u>	<u>EXISTING</u>
SIGNAL HEAD WITH BACKPLATE	—▲—	—▲—
SIGNAL HEAD	—▲—	—▲—
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	— —	— —
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	—E—	—E—



**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

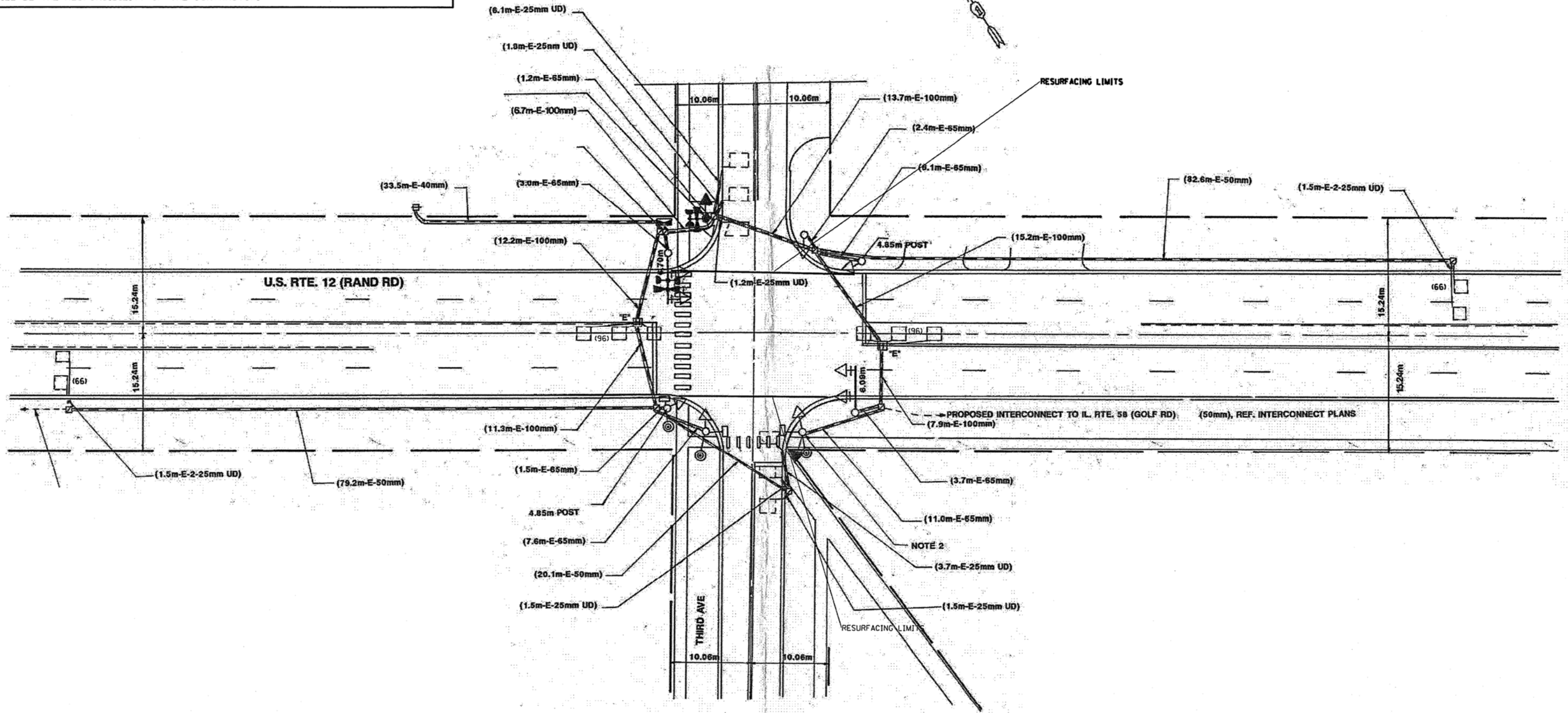
CODE	QUANTITY	UNIT	ITEM
88600600	462	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryjo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT WOLF RD	F.A.P. RTE. 334	SECTION (ZR-18119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 38	
S:\WP\Design\Detector Loops Replacement	Resurfacing Project\1.Cook\75 425 - US	DRAWN BY WOLF RD\Detector Loop.dgn	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60Y56
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -								
	PLOT DATE = 7/17/2014	DATE -	REVISED -								

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		

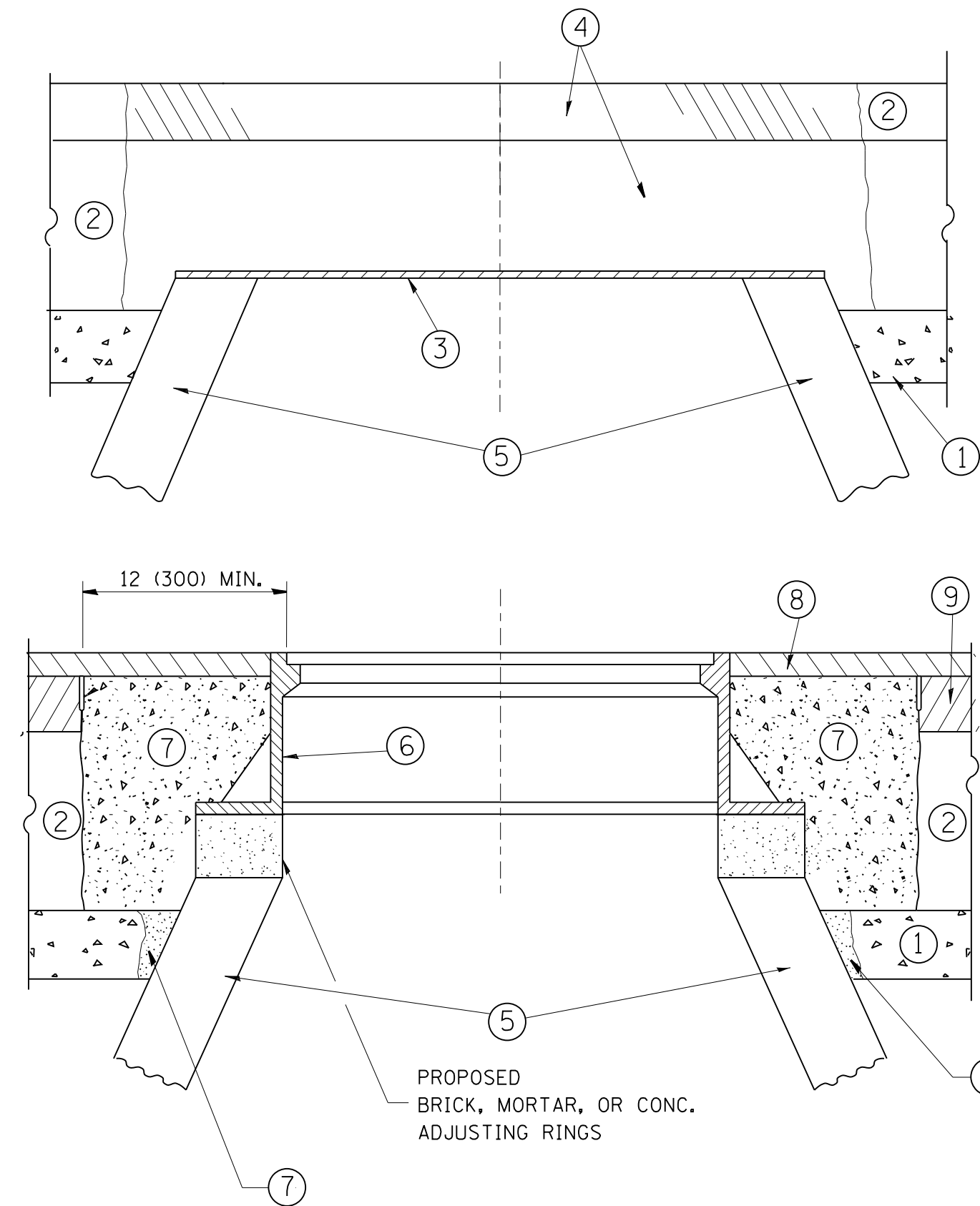


**THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	324	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\Detector Loops Replacement	USER NAME = curryje	DESIGNED - DRAWN RD @ 3RD AVE\Detector Loop.dgn	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP REPLACEMENT US 12 RAND RD AT THIRD AVE</b>	F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 39
PLOT SCALE = 100,0001' / in.	CHECKED -	REVISED -	SCALE: NTS			SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			
PLOT DATE = 8/11/2014	DATE -	REVISED -								



**NOTES:**

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

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

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

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

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

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
et:\pw_work\p\dot\bauerdl\d0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/968.5000 "/ m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

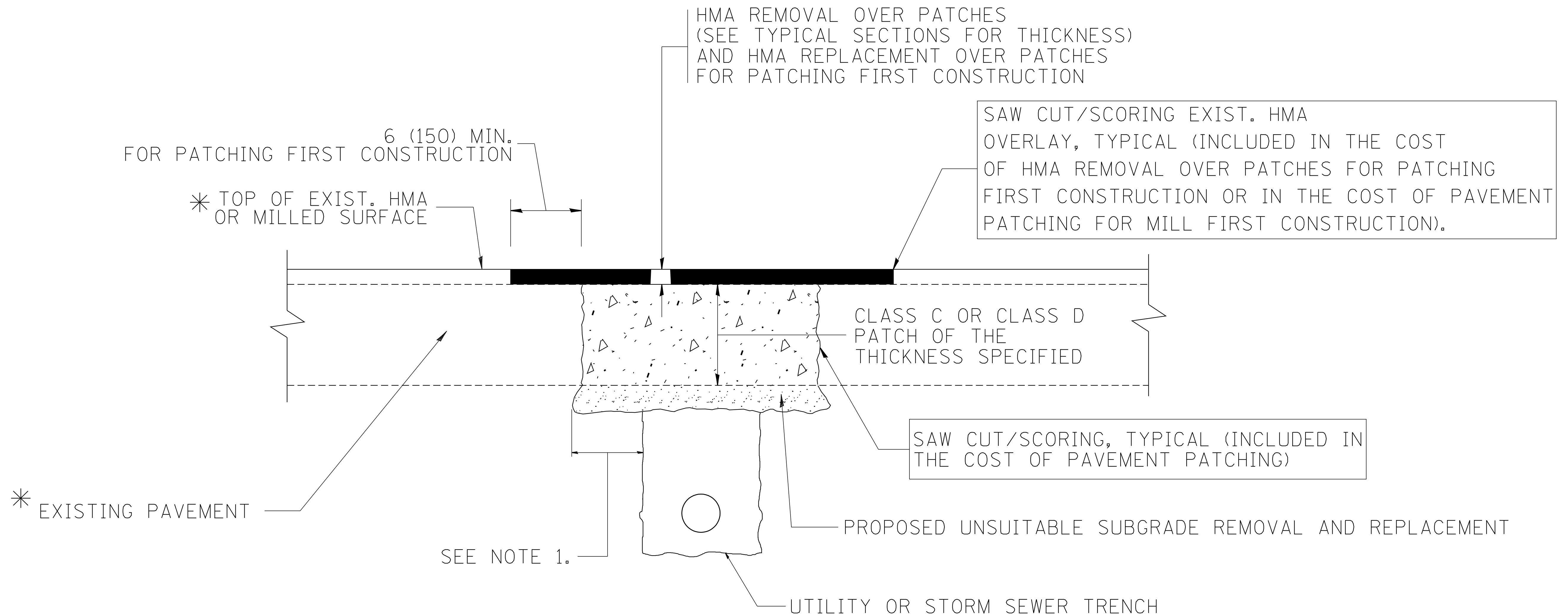
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	40
<b>BD600-03 (BD-8)</b>		CONTRACT NO. 60Y56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 09-04-07
		DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 41
<b>BD400-04 (BD-22)</b>		CONTRACT NO. 60Y56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

\* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

\*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

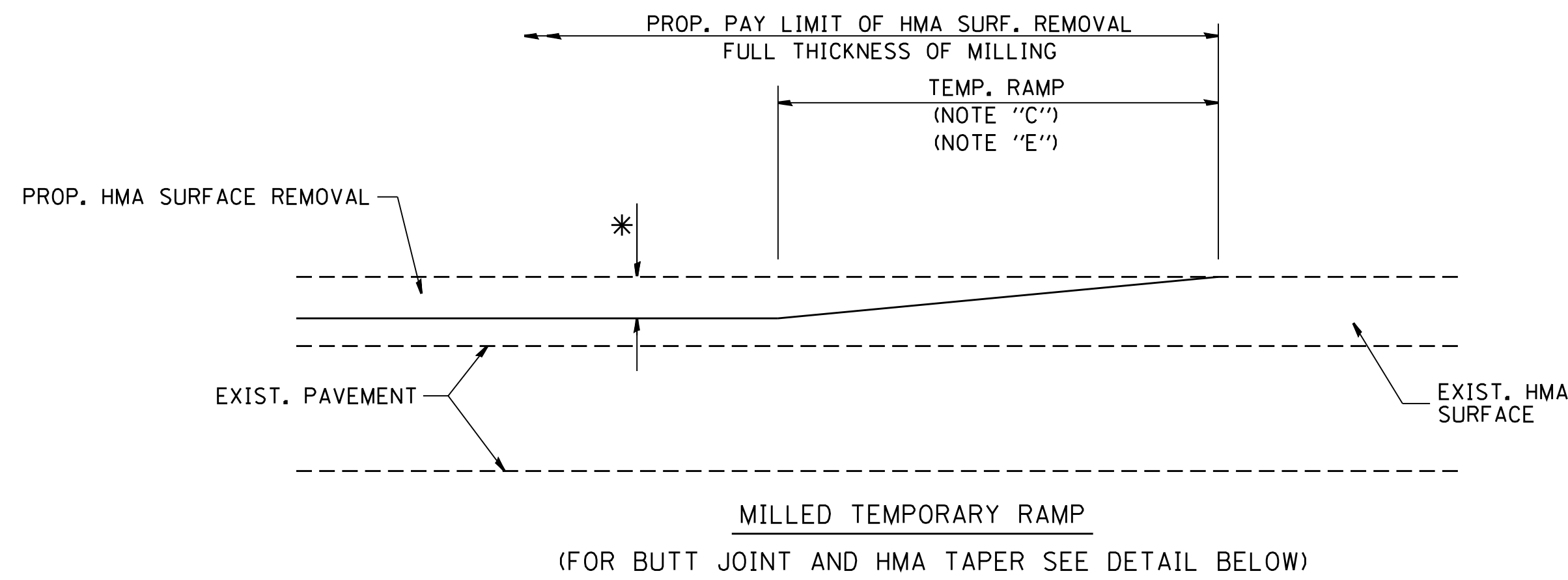
**BASIS OF PAYMENT:**

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

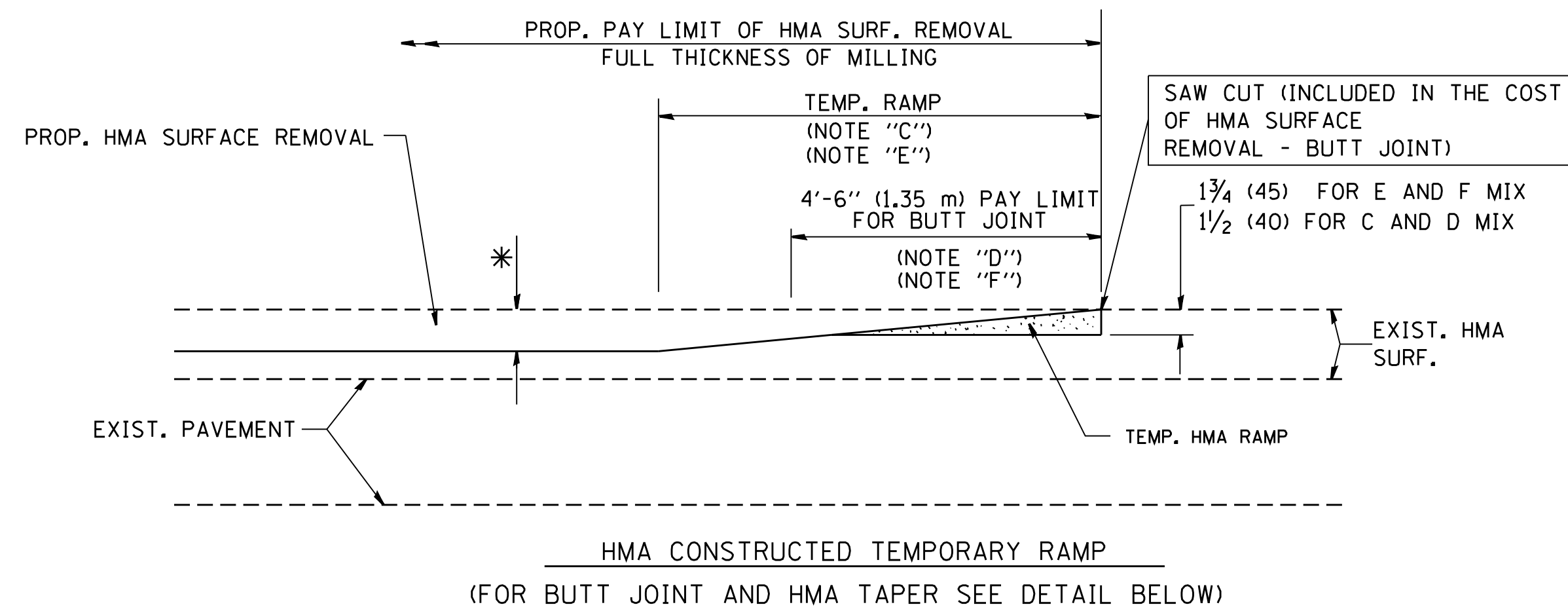
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drvakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\drvakosgn\0108315\bd24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97			334	(ZR-1&119)RS-7	COOK	51	42
PLOT SCALE = 50.000 ' / IN.		CHECKED -	REVISED - M. GOMEZ 01-22-01			<b>BD600-06 (BD-24)</b>		CONTRACT NO. 60Y56		
PLOT DATE = 12/15/2009		DATE - 03-11-94	REVISED - R. BORO 12-15-09			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	

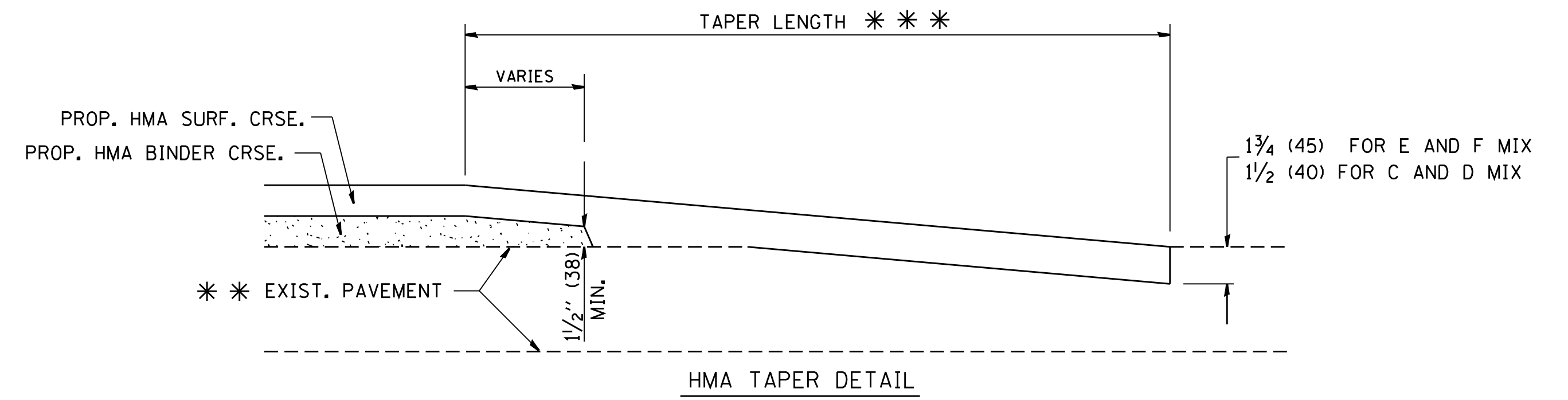
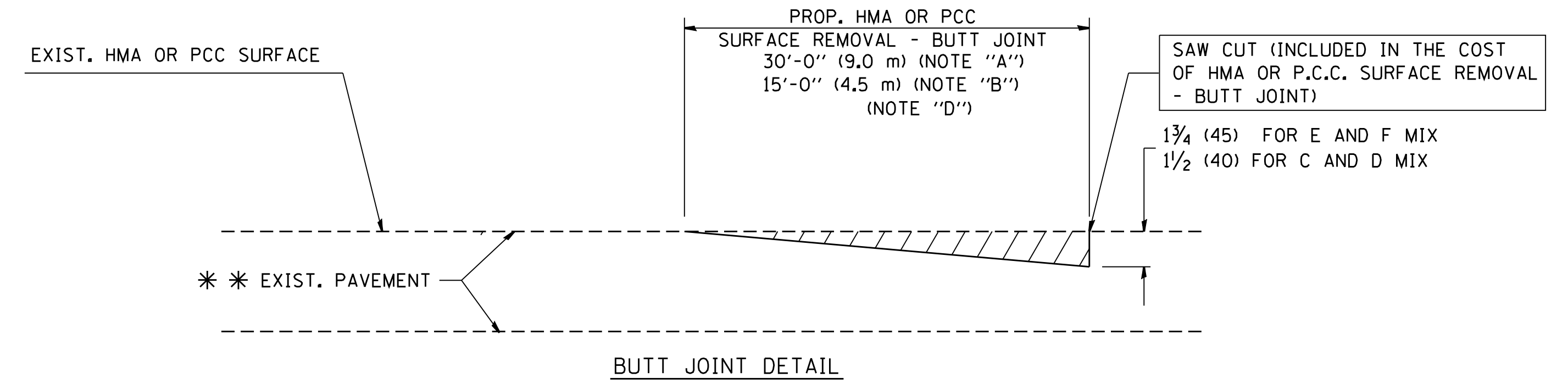


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

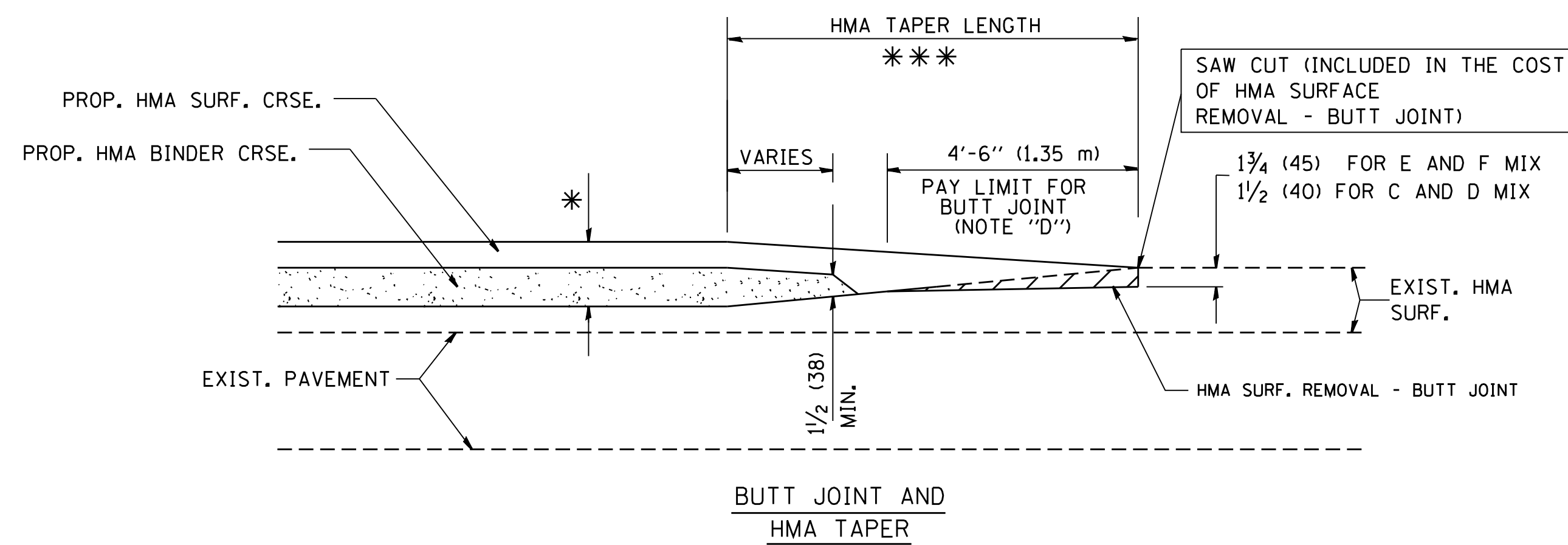
**NOTES**

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

**BASIS OF PAYMENT:**

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

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



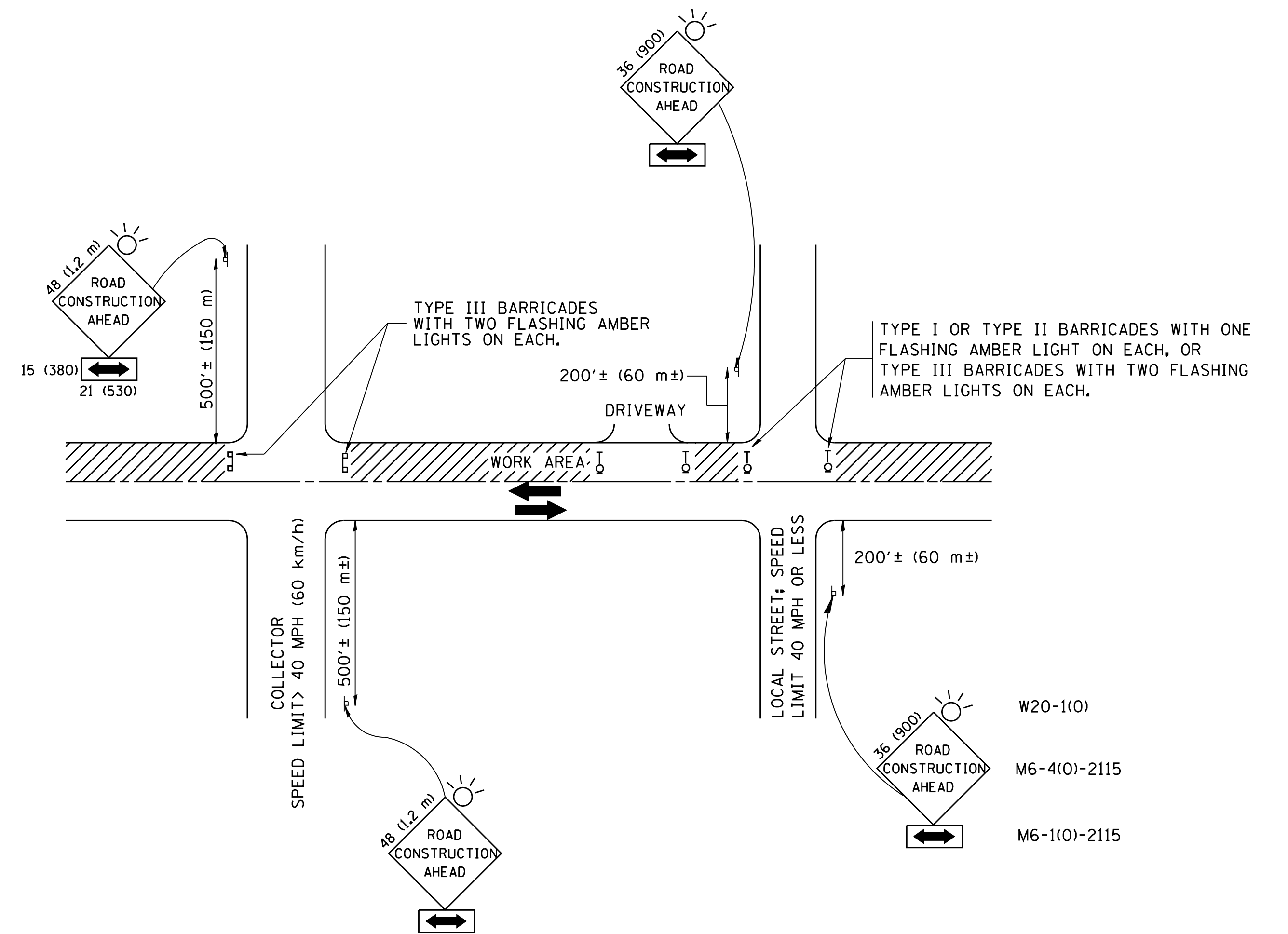
**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	43
<b>BD400-05 BD32</b>		CONTRACT NO. 60Y56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

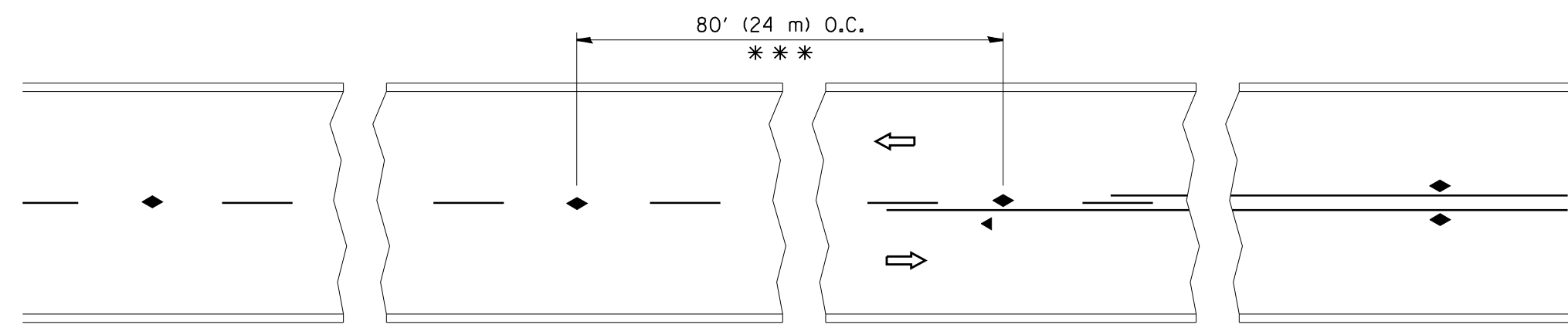
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

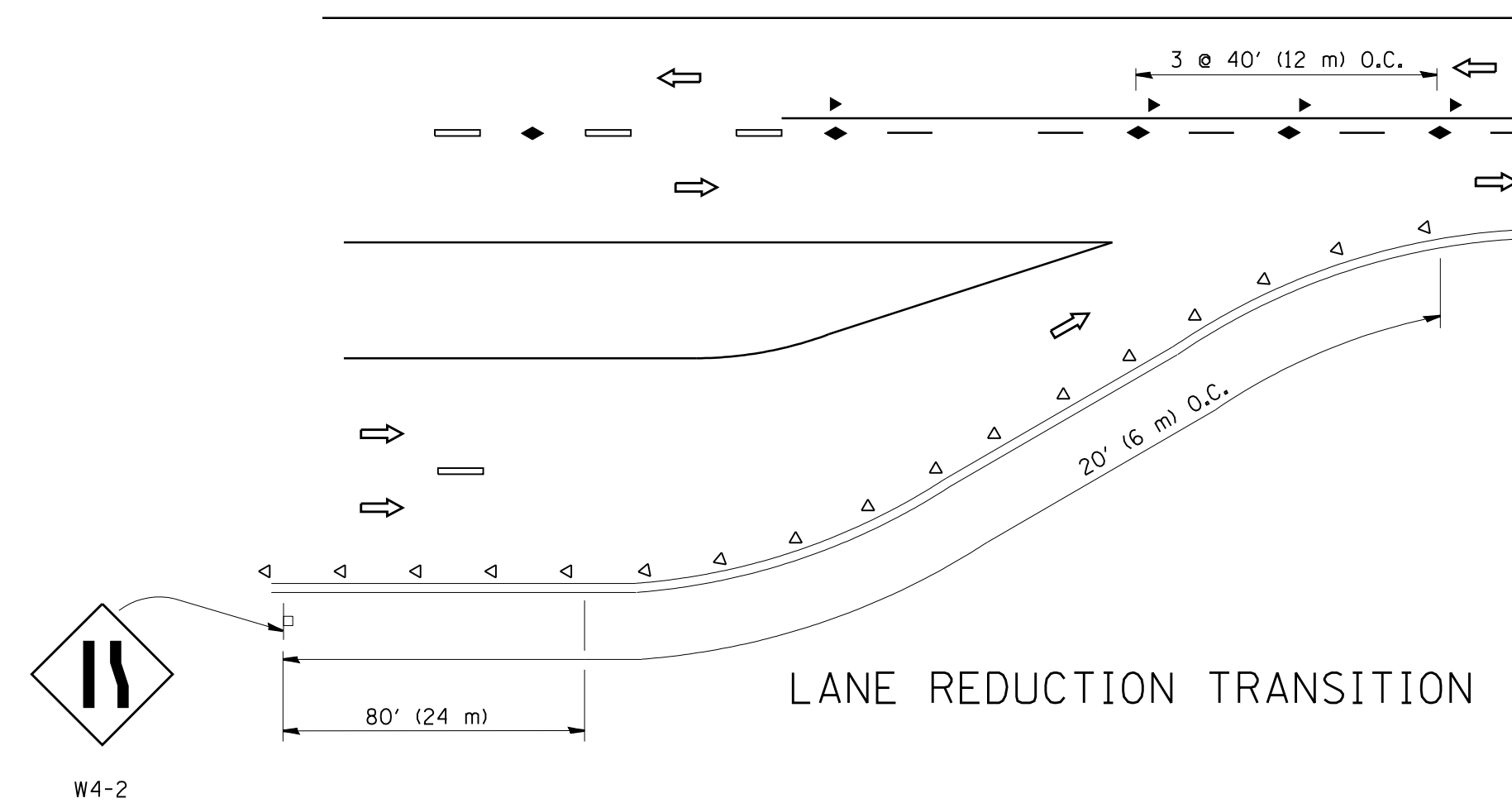
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			<b>CONTRACT NO. 60Y56</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

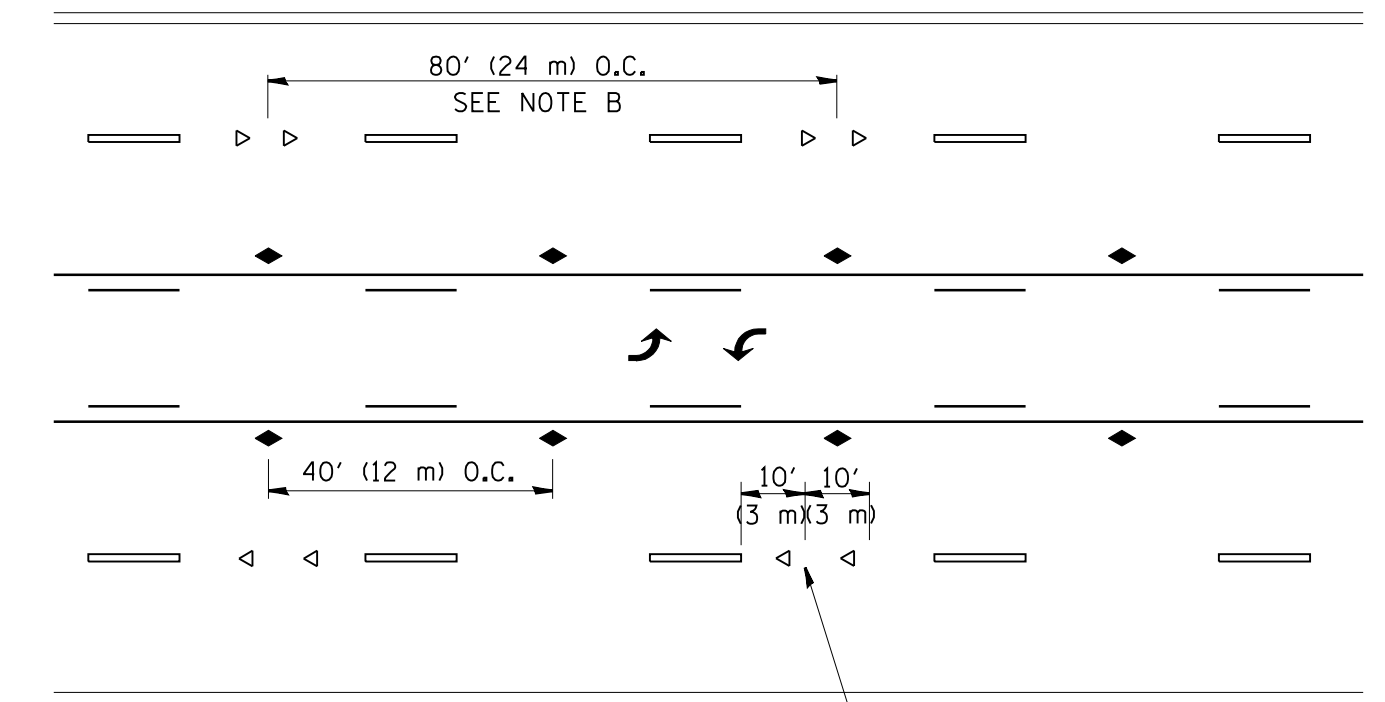


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

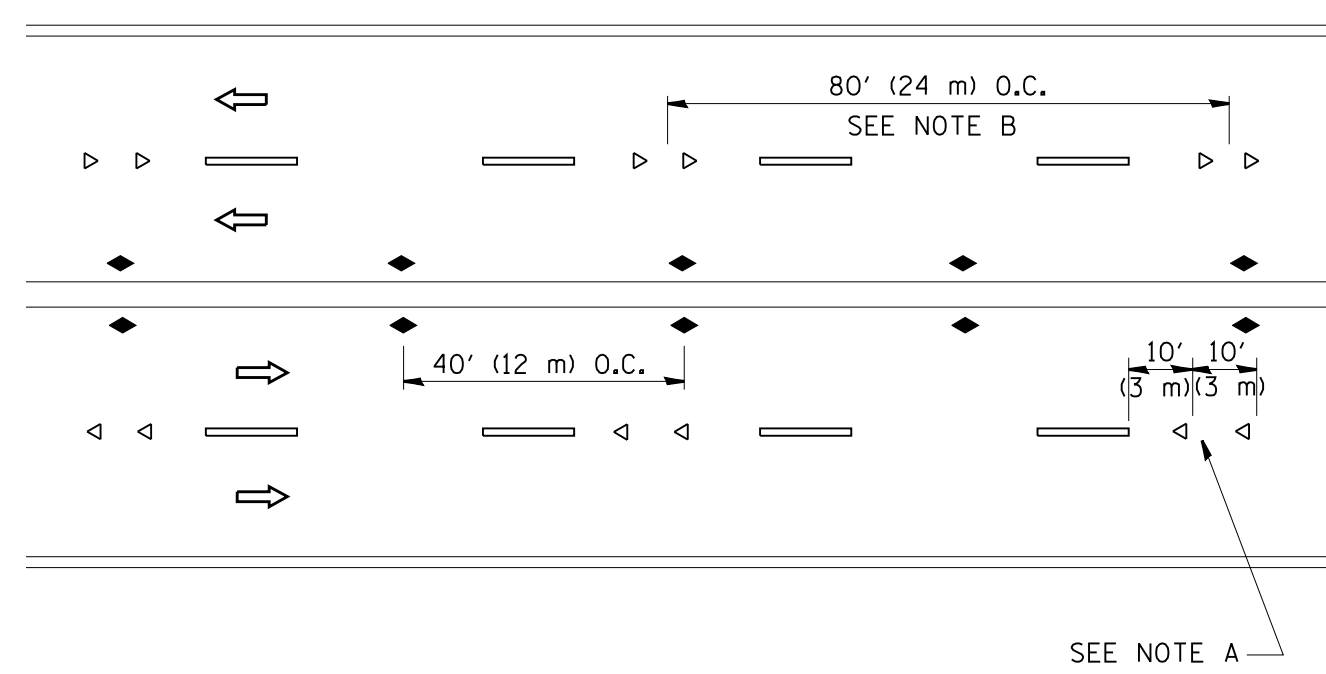
TWO-LANE/TWO-WAY



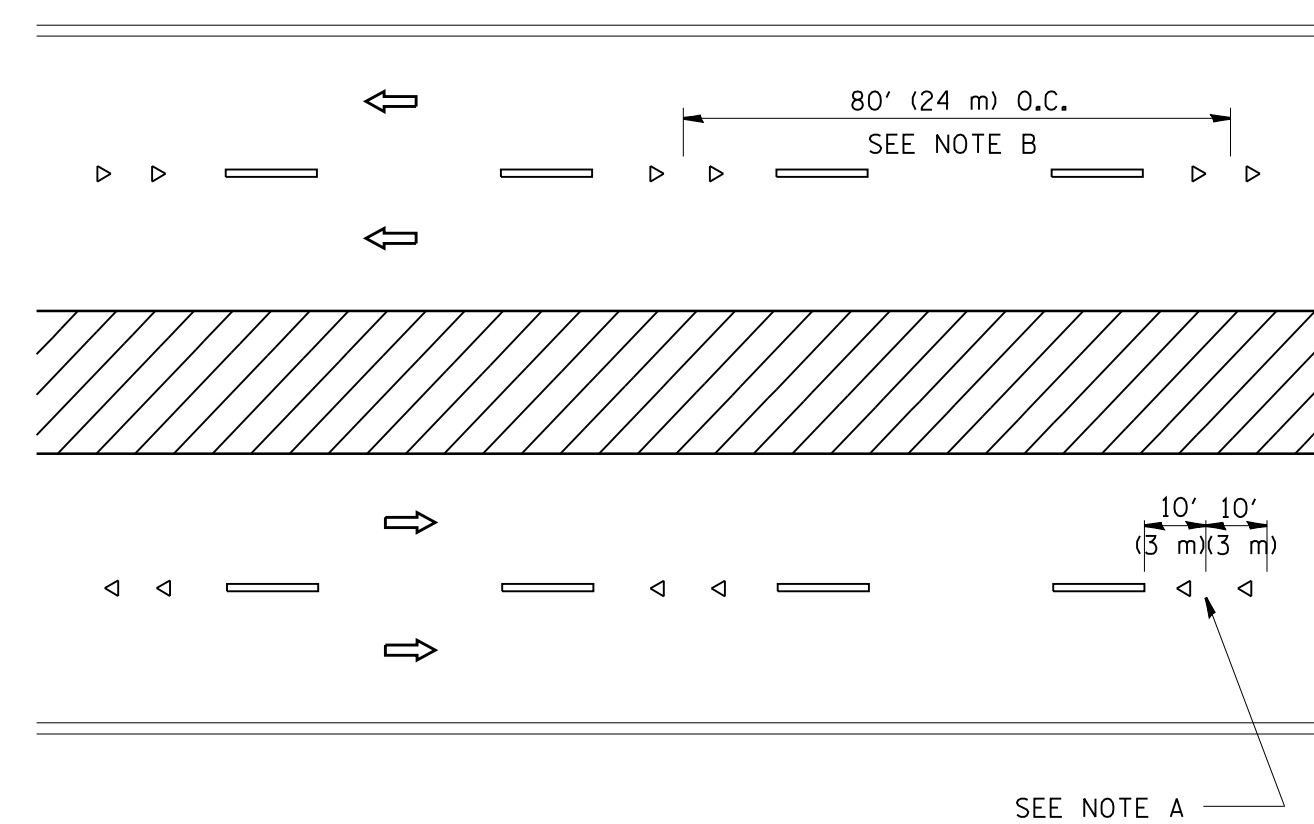
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

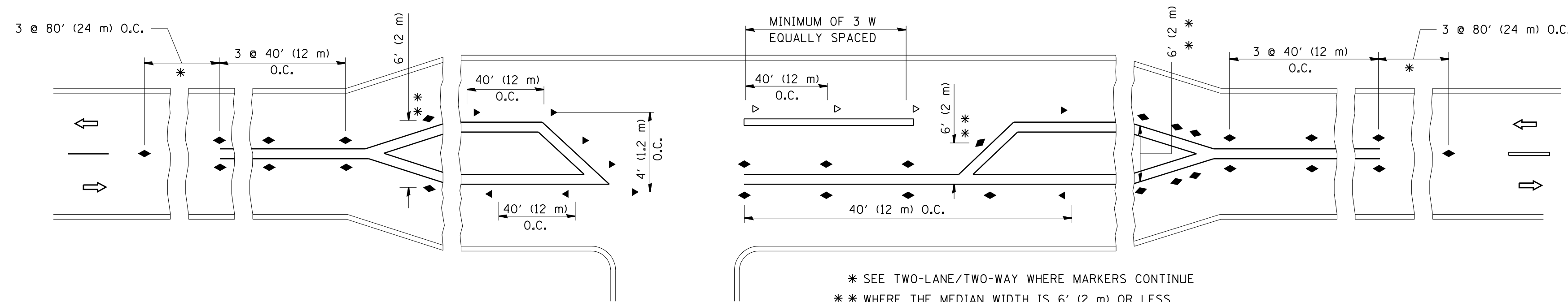
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

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

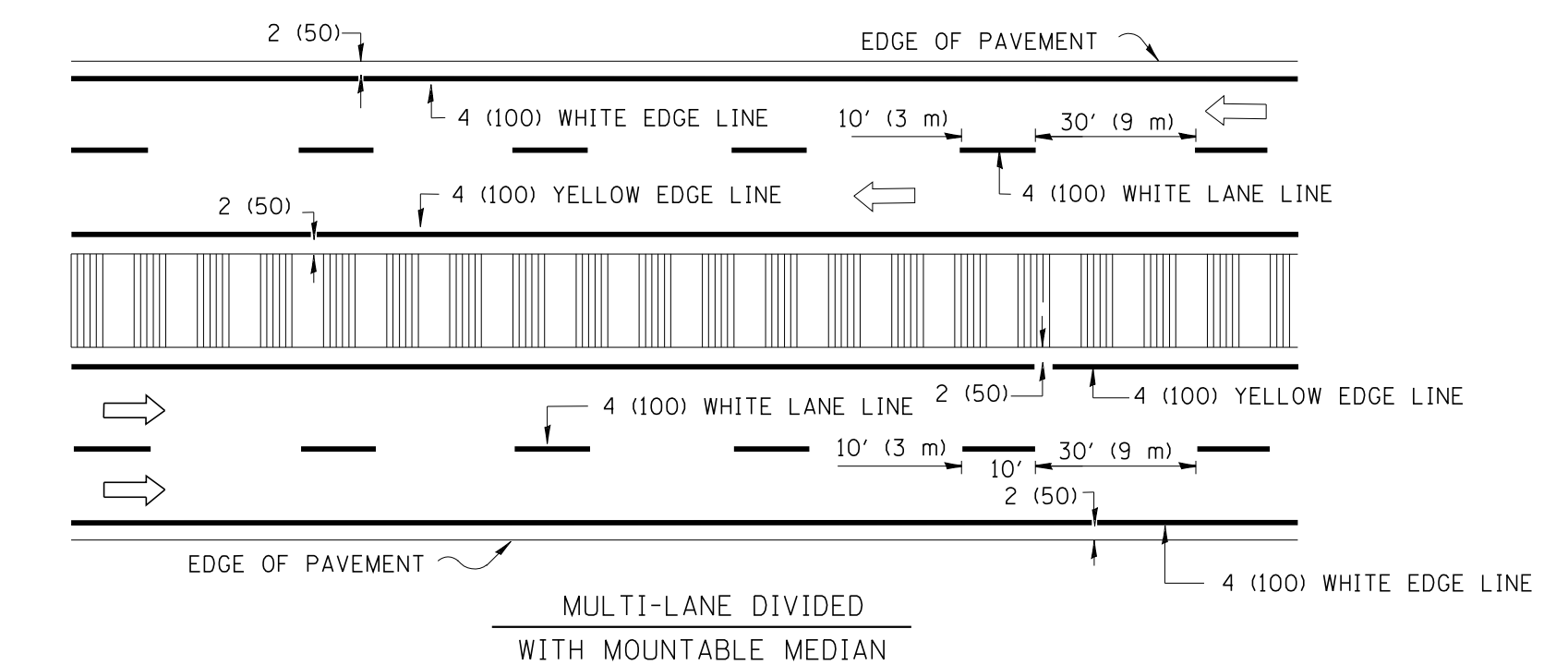
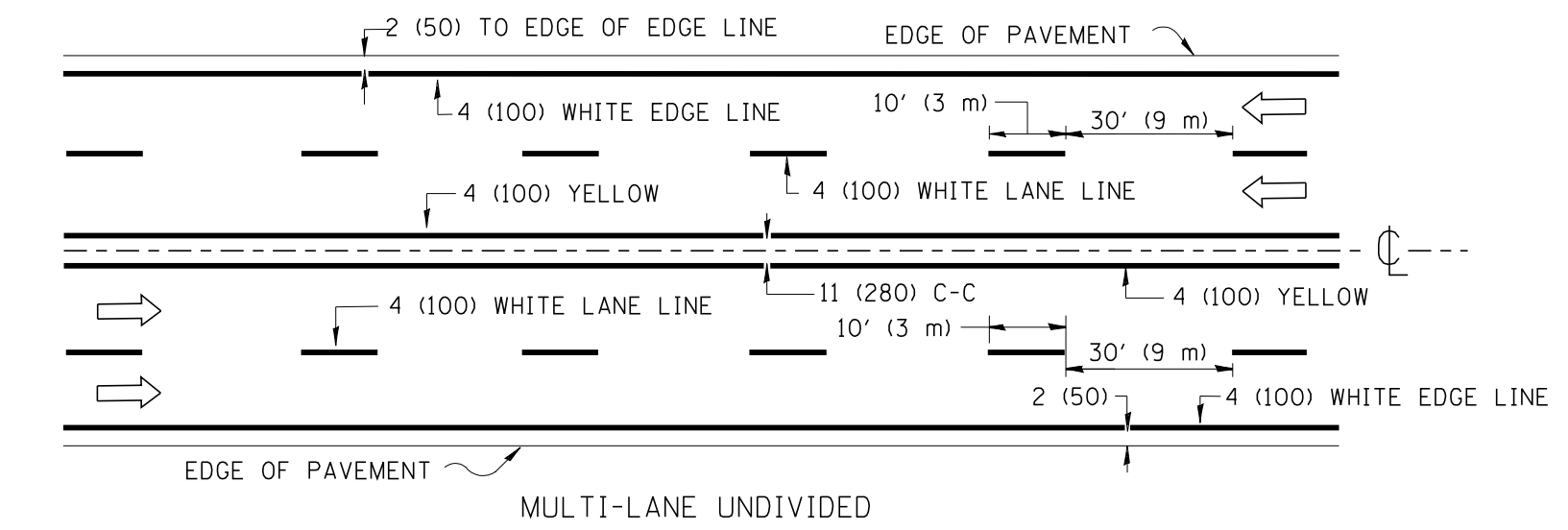
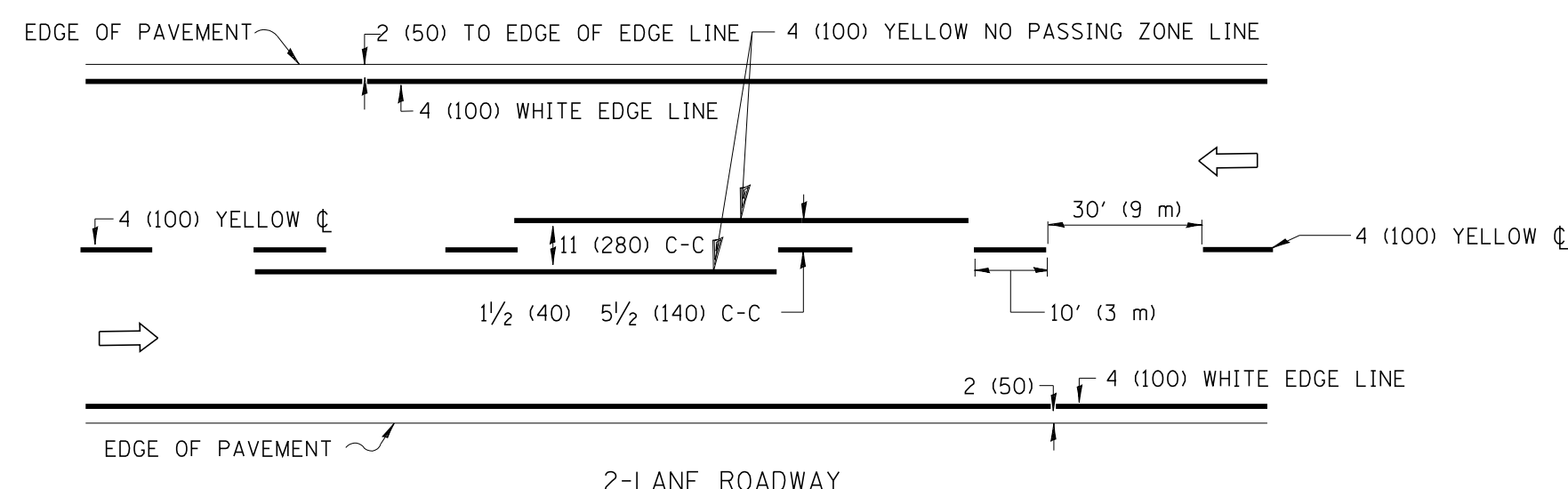
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	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

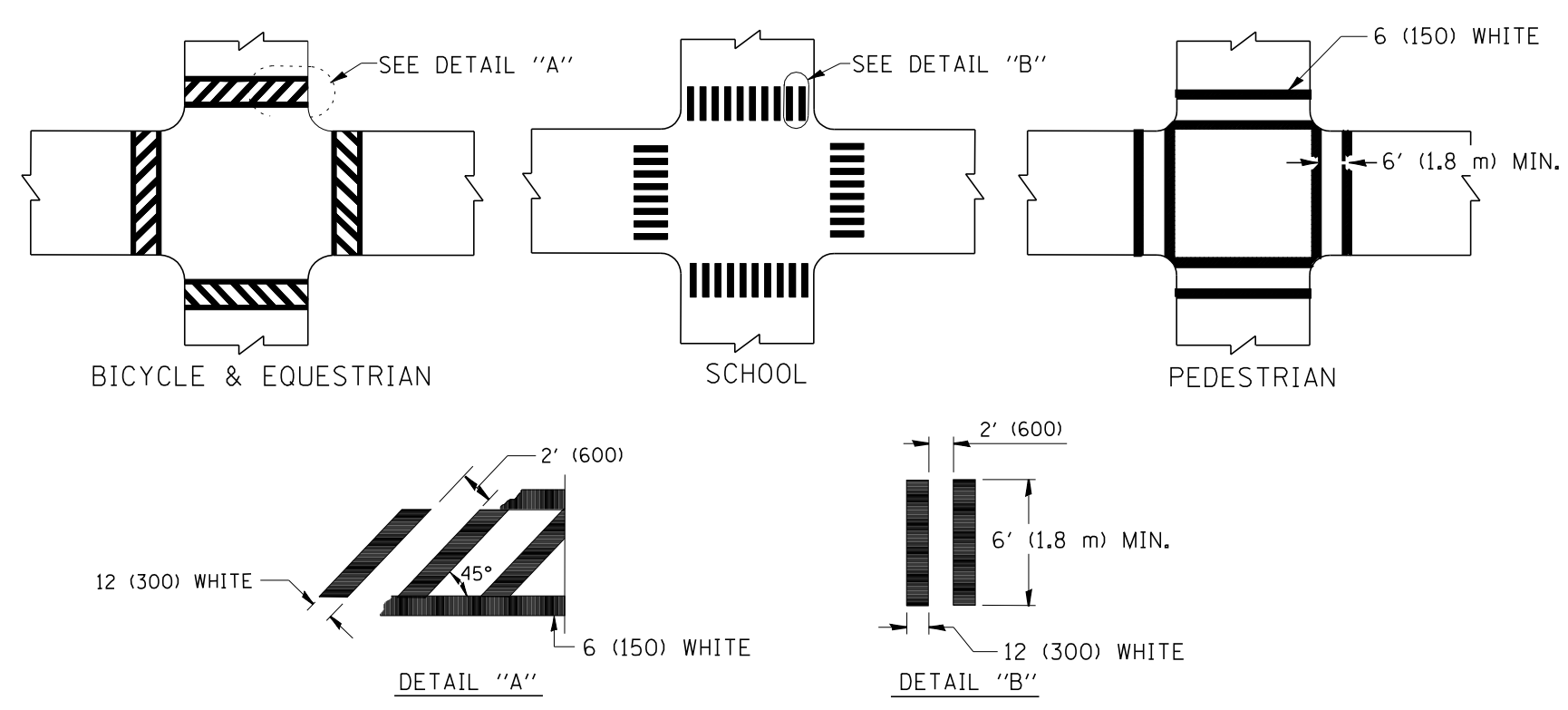
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F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 45
TC-11		CONTRACT NO. 60Y56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

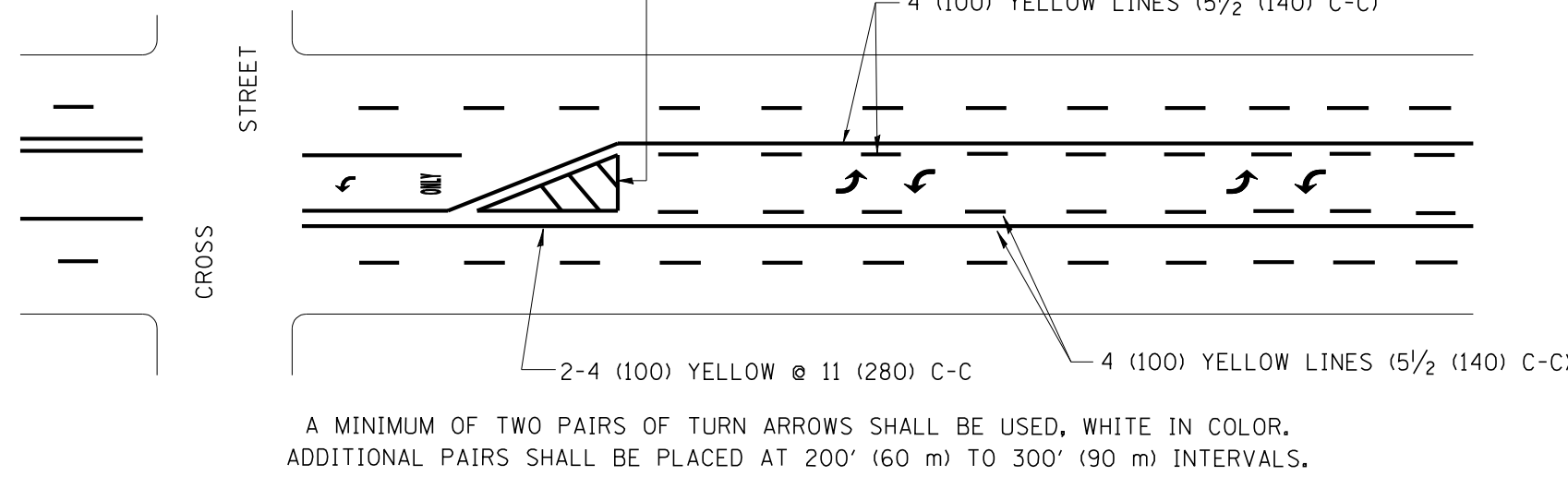
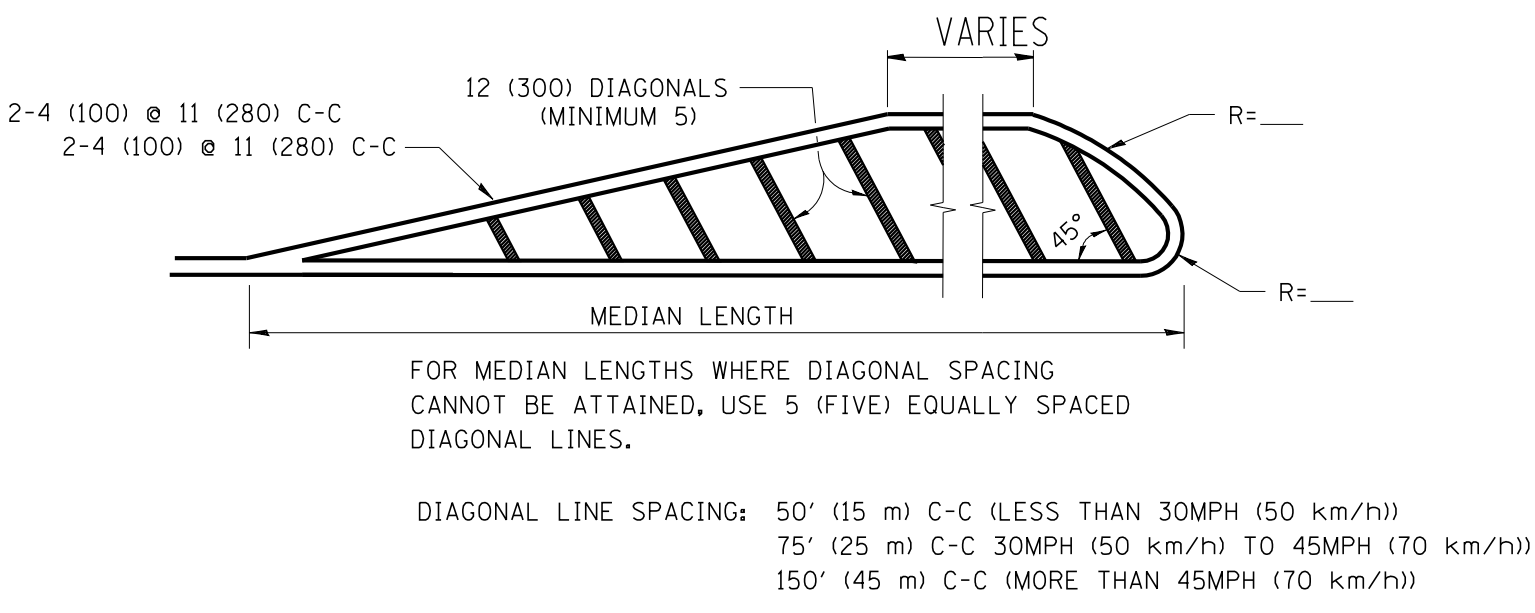
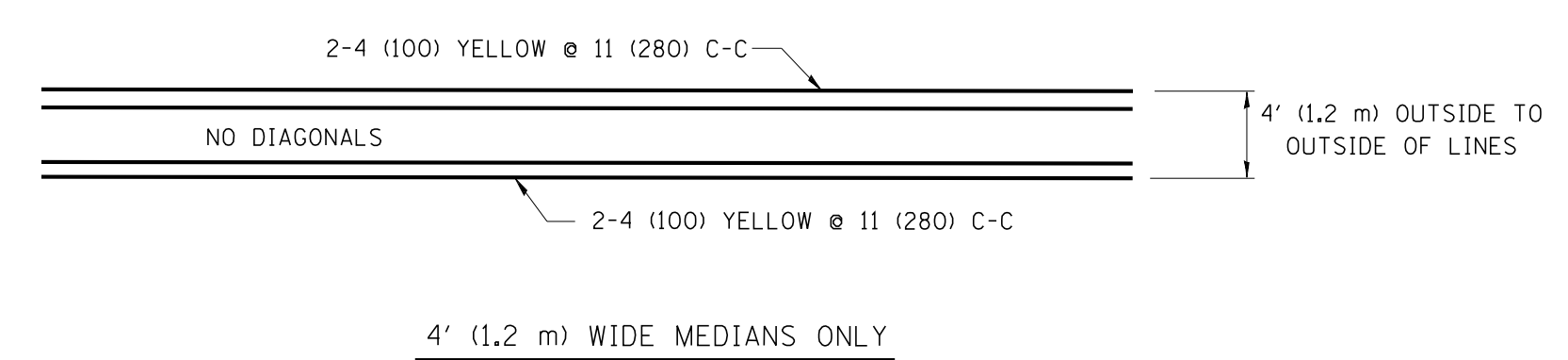


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

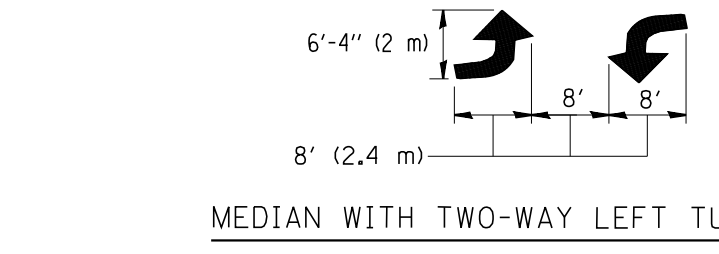
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



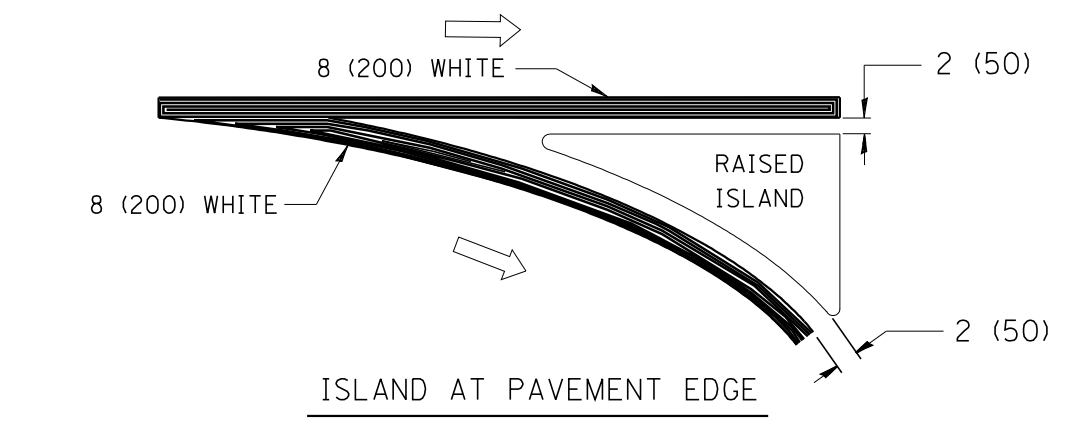
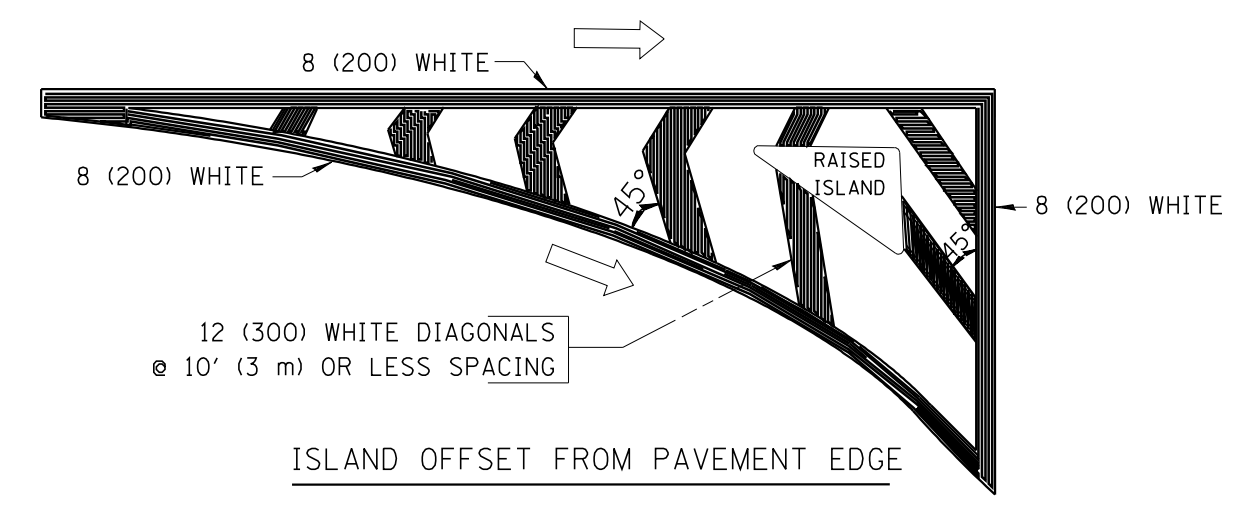
TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

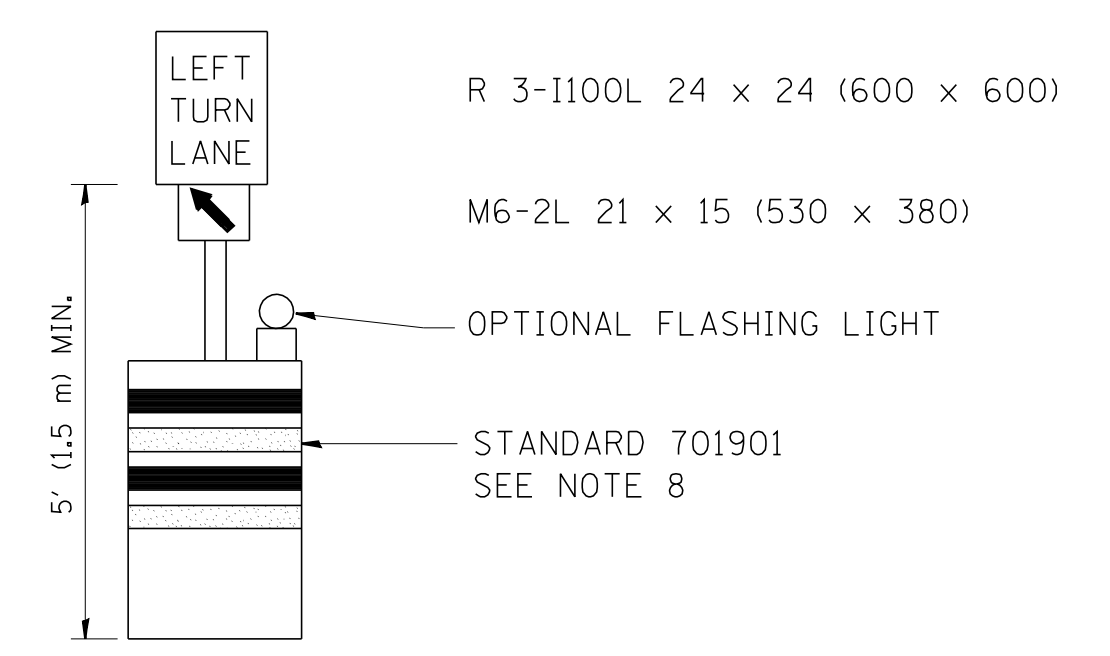
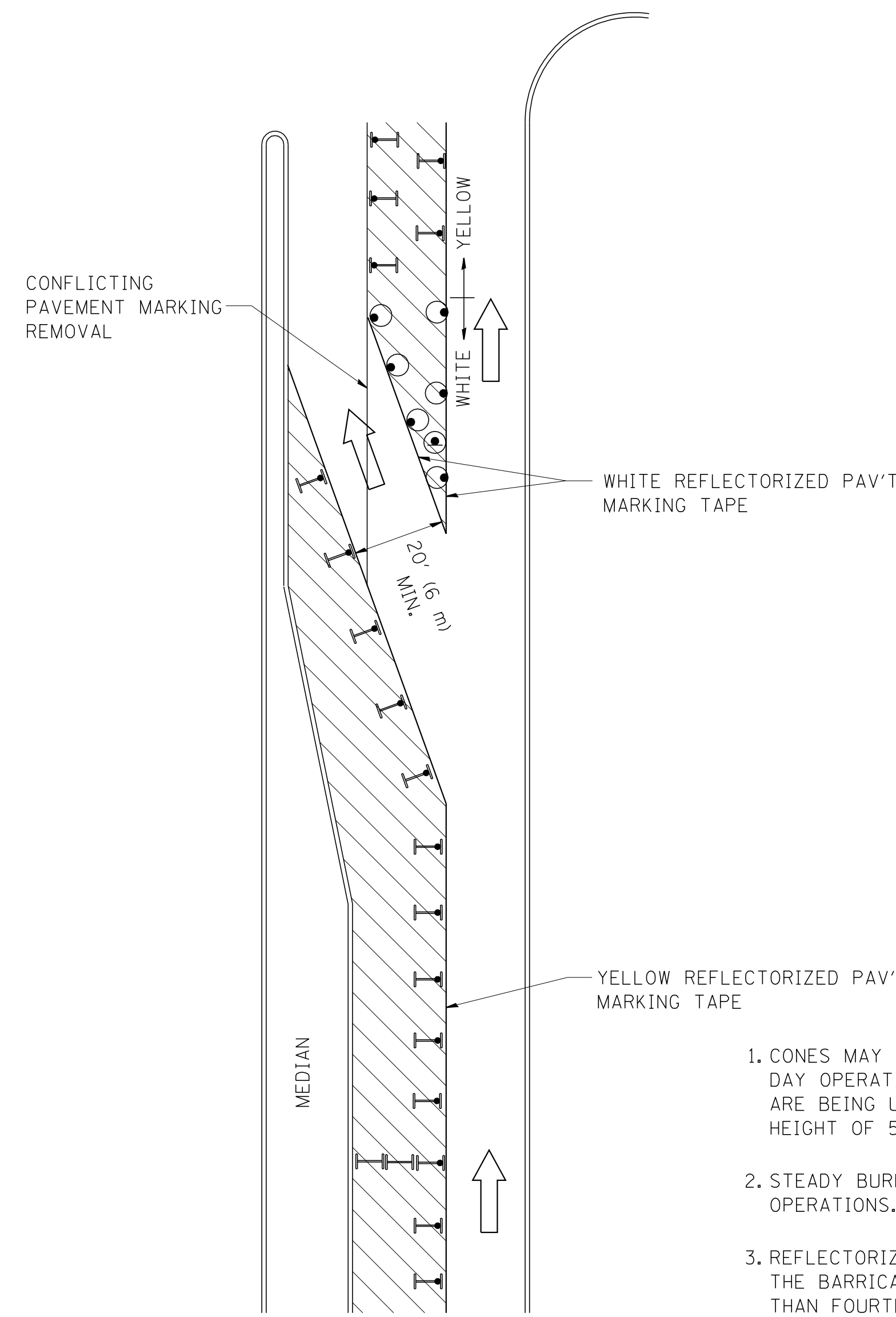
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 46
TC-13		CONTRACT NO. 60Y56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

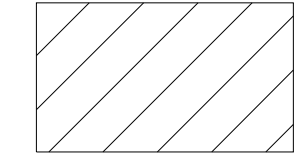
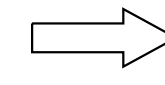
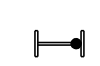


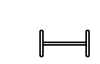


**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

**LEGEND**

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

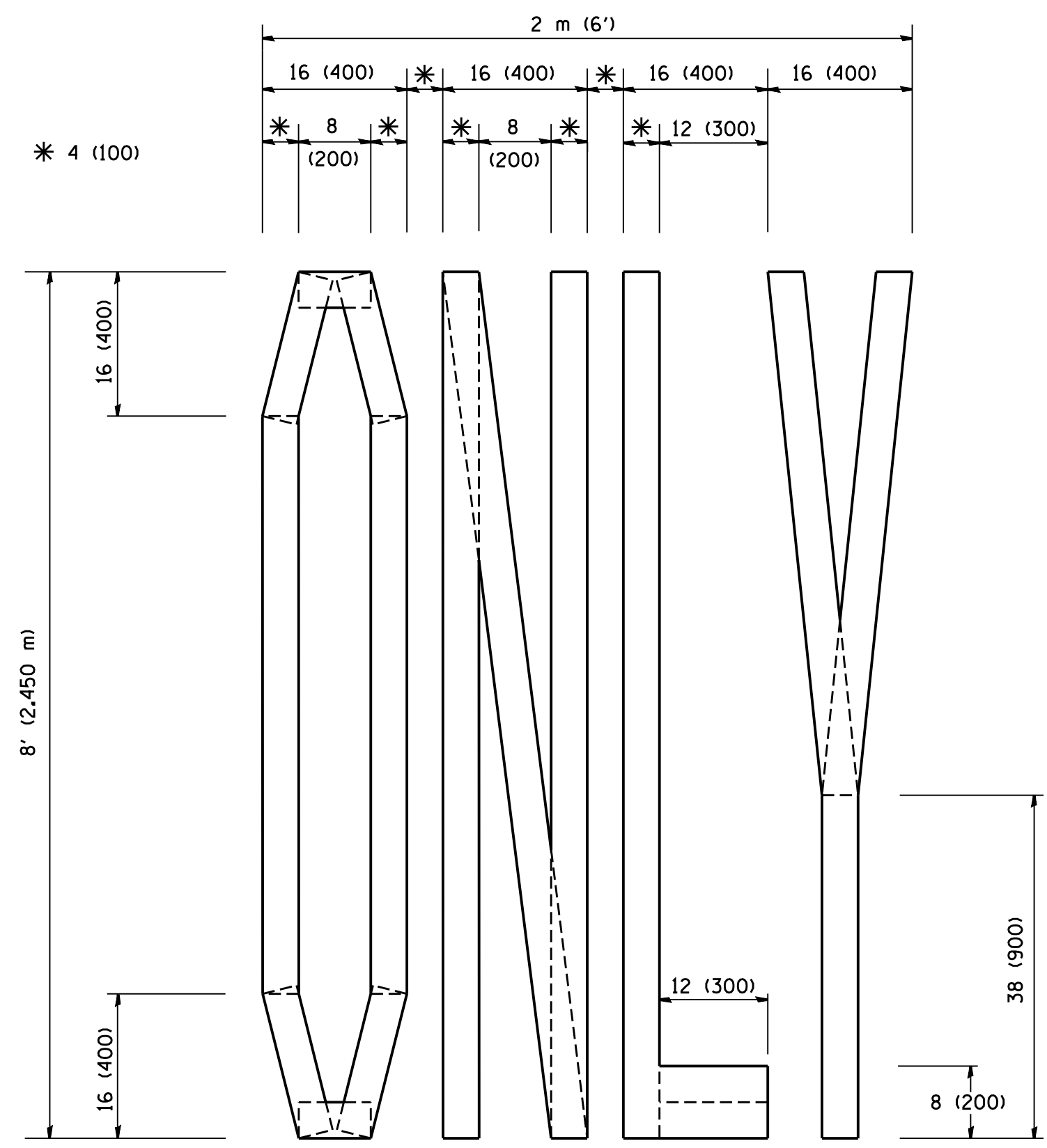
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

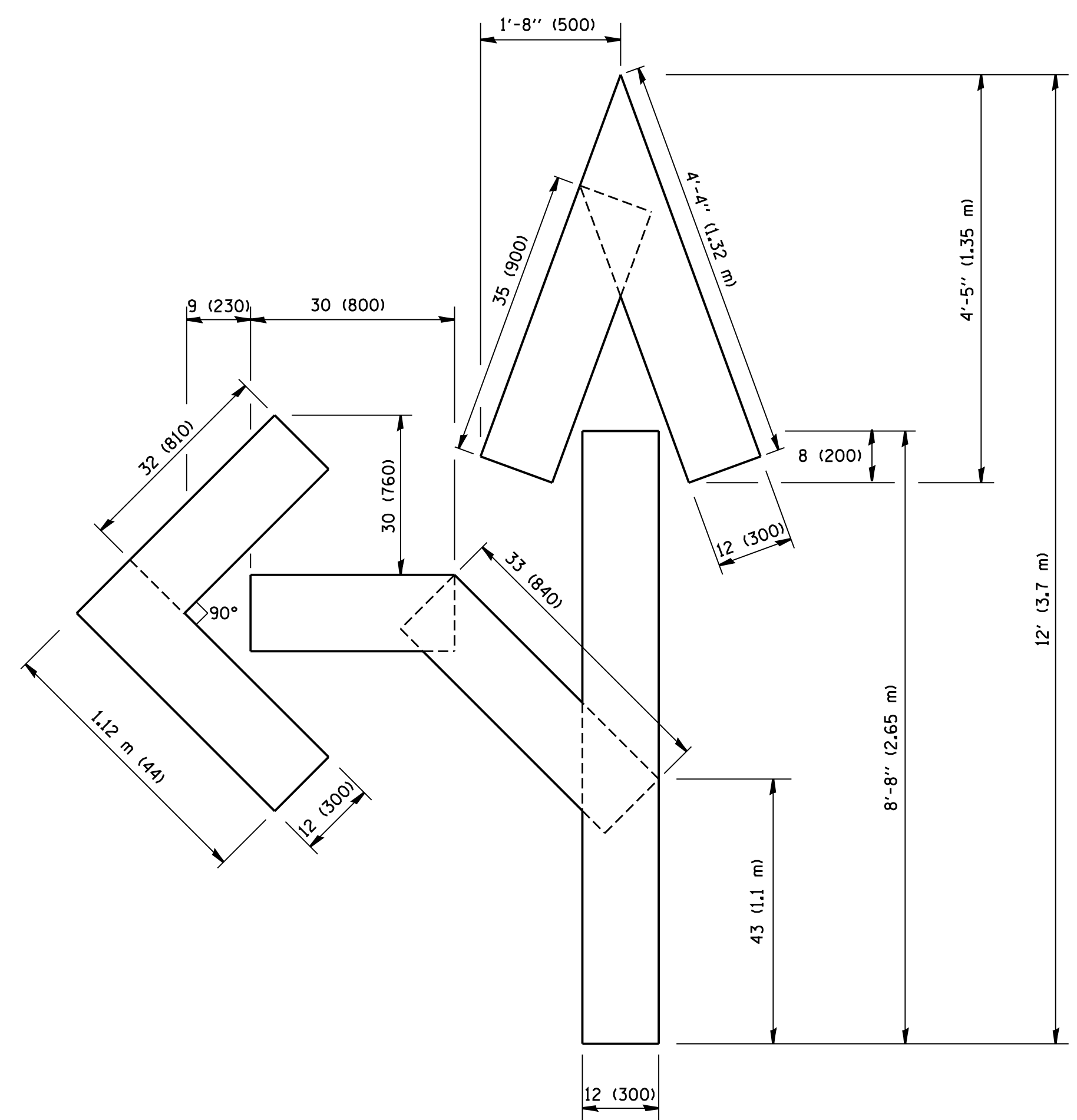
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.

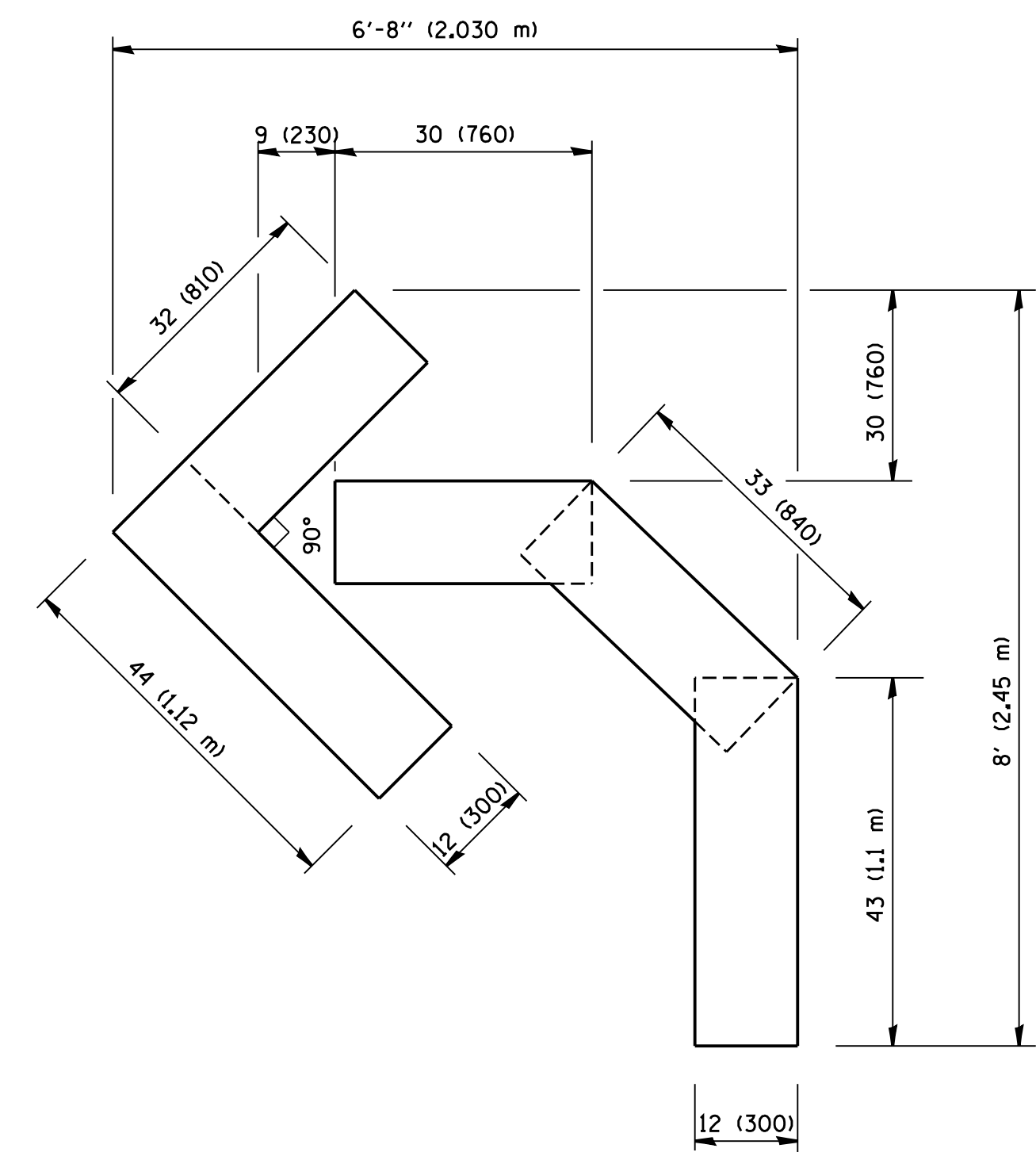
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	47
<b>TC-14</b>		CONTRACT NO. 60Y56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

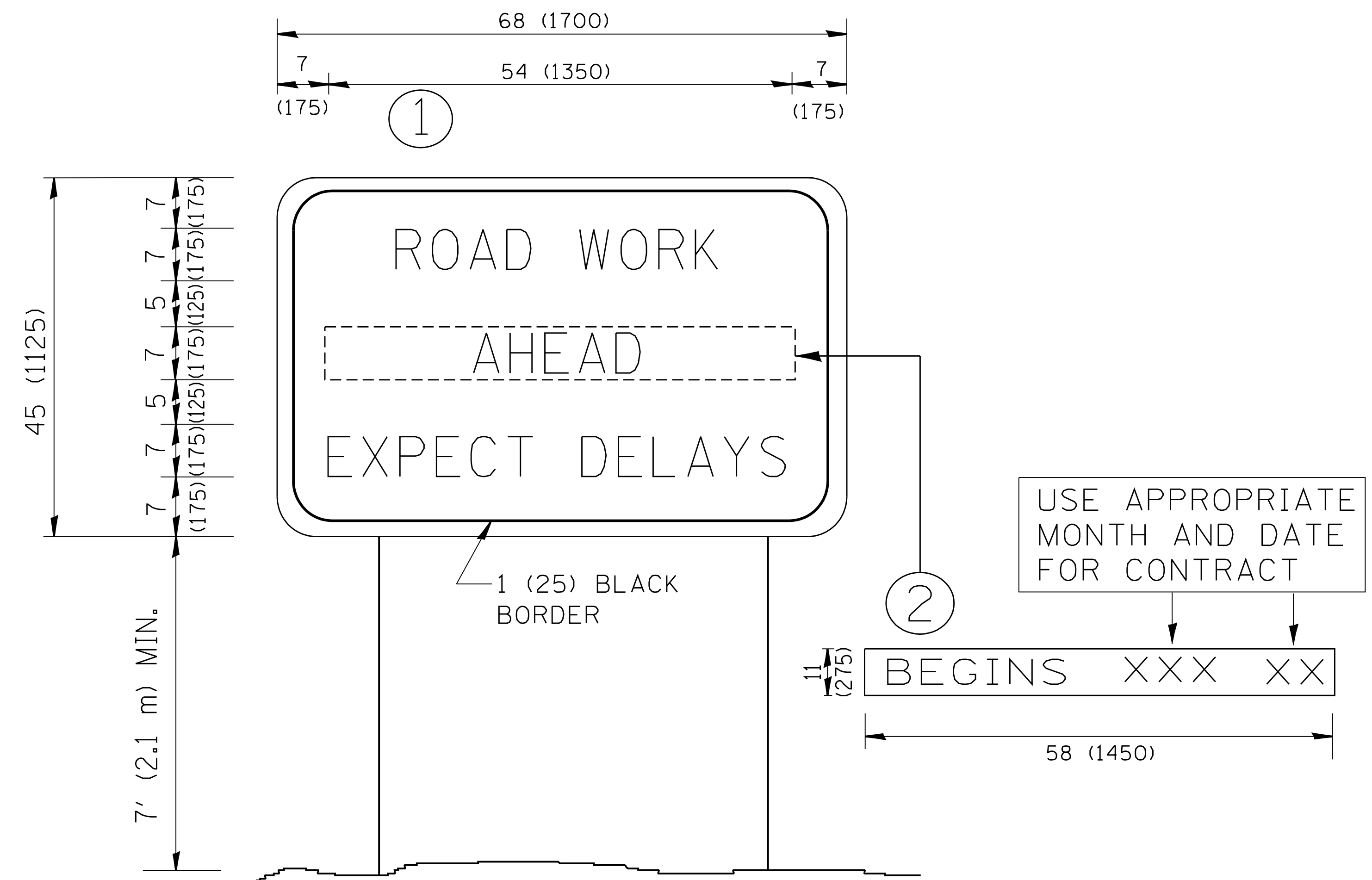
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	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	48
TC-16			CONTRACT NO. 60Y56	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

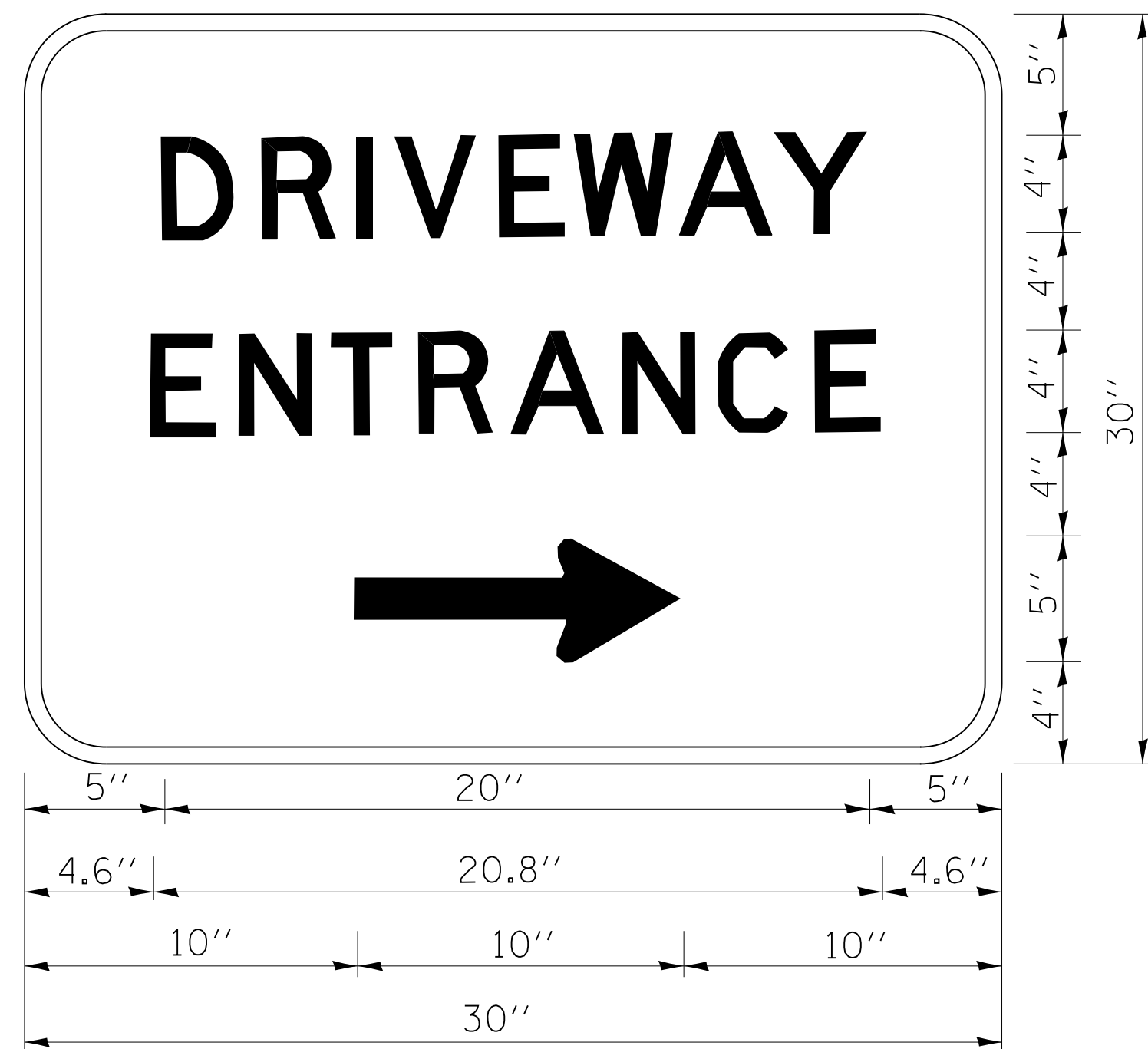
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		DESIGNED - DATE -	REVISED - REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION (ZR-1&119)RS-7	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 49
TC-22			CONTRACT NO. 60Y56	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE  
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)  
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY  
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE  
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

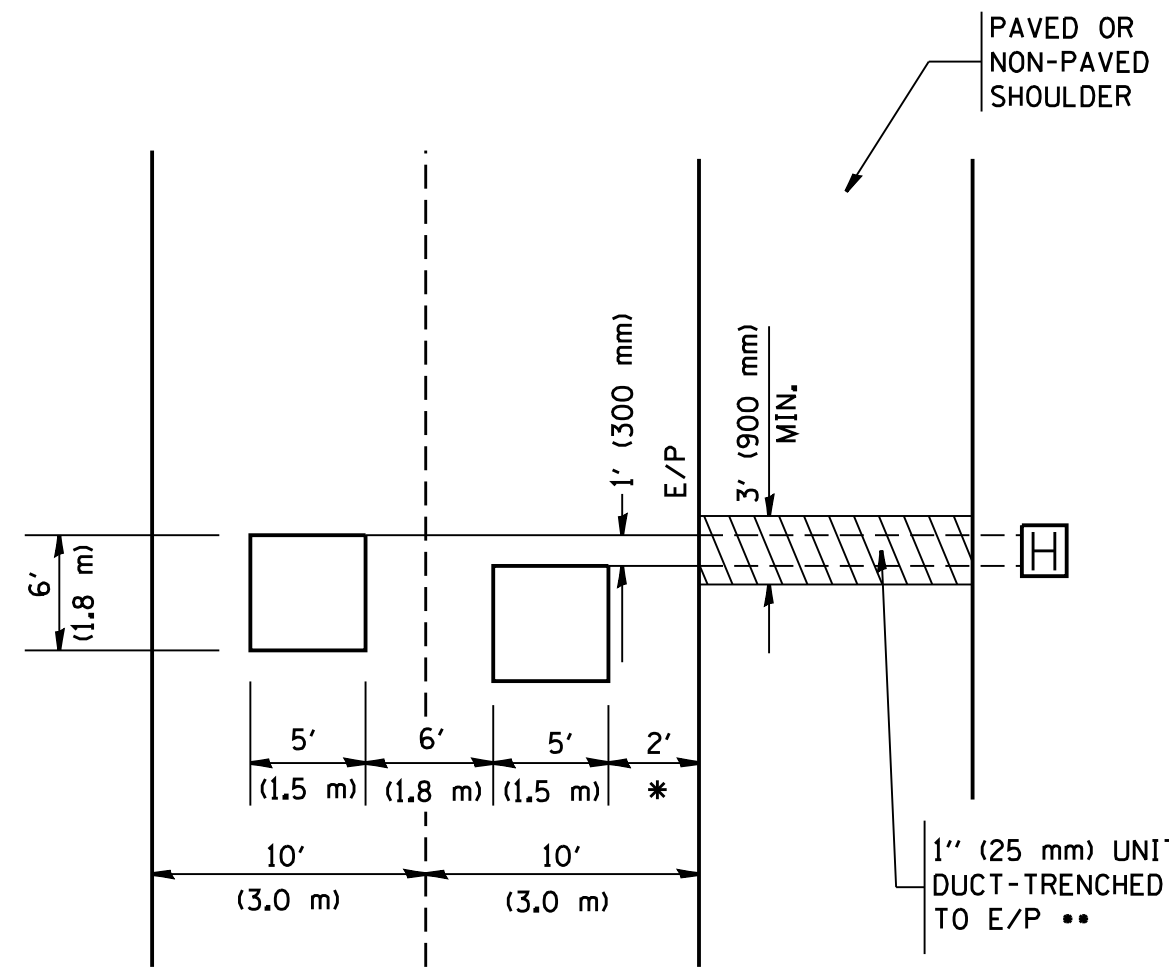
**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	50
<b>TC-26</b>		CONTRACT NO. 60Y56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



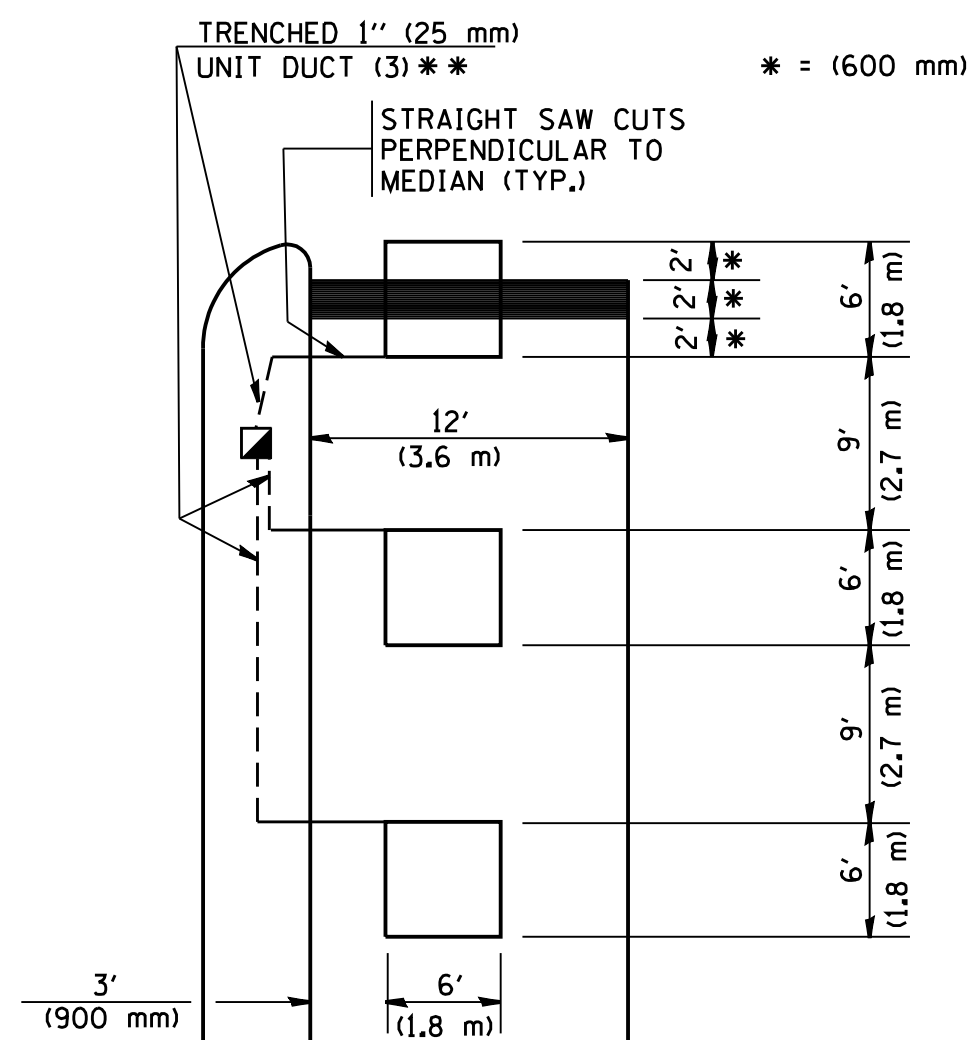
\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



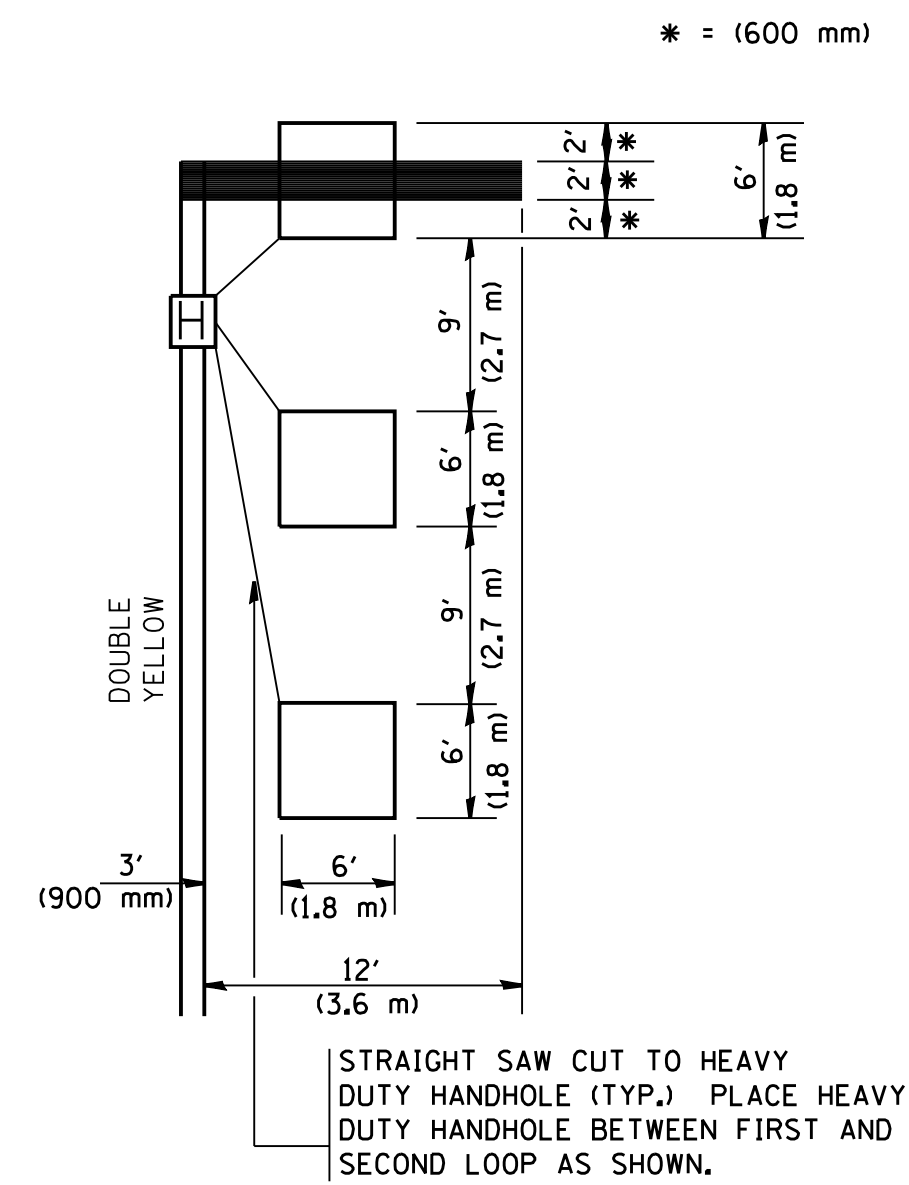
\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



\* = (600 mm)

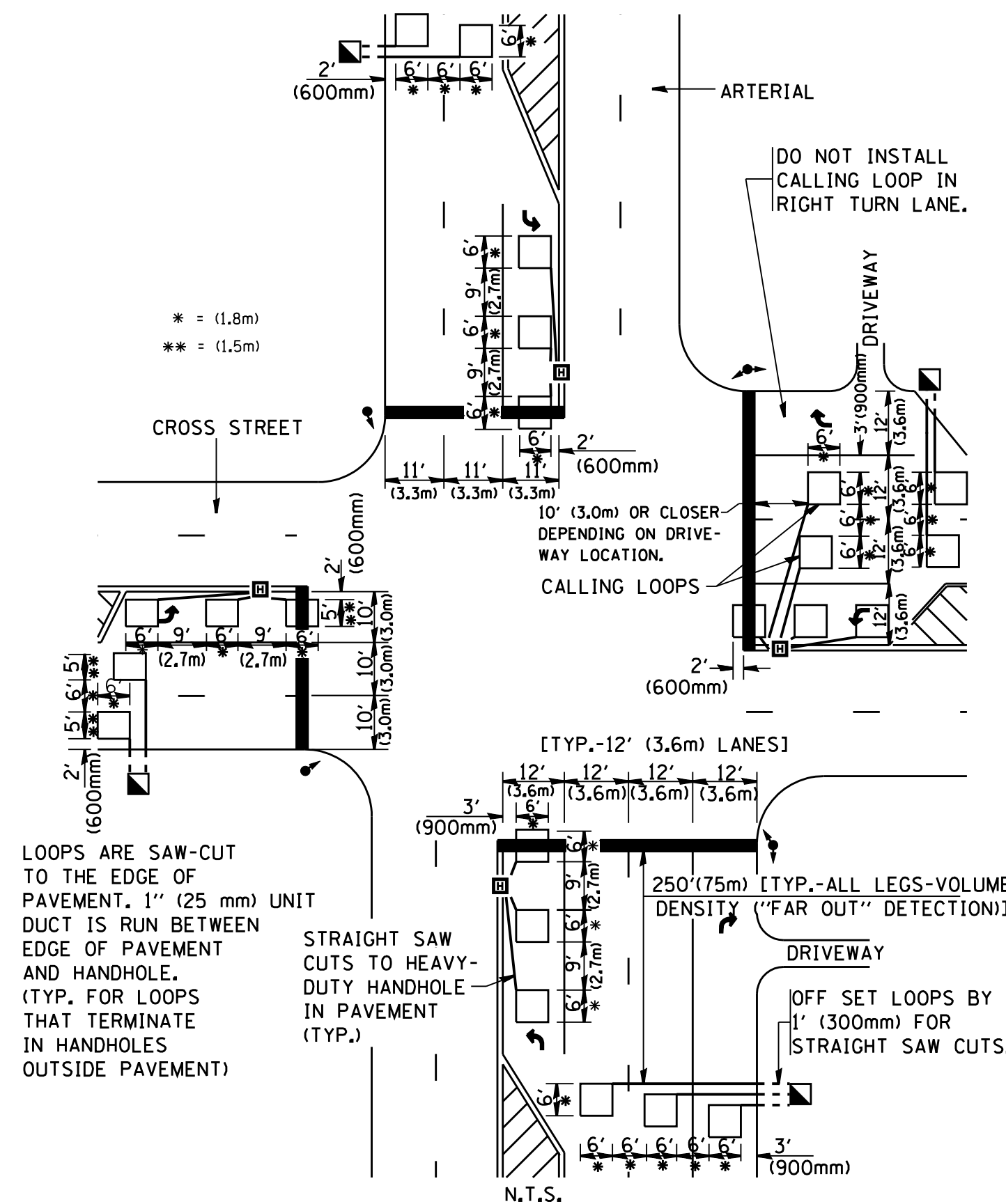
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**NOTES:**

**VEHICLES LOOP DETECTORS**

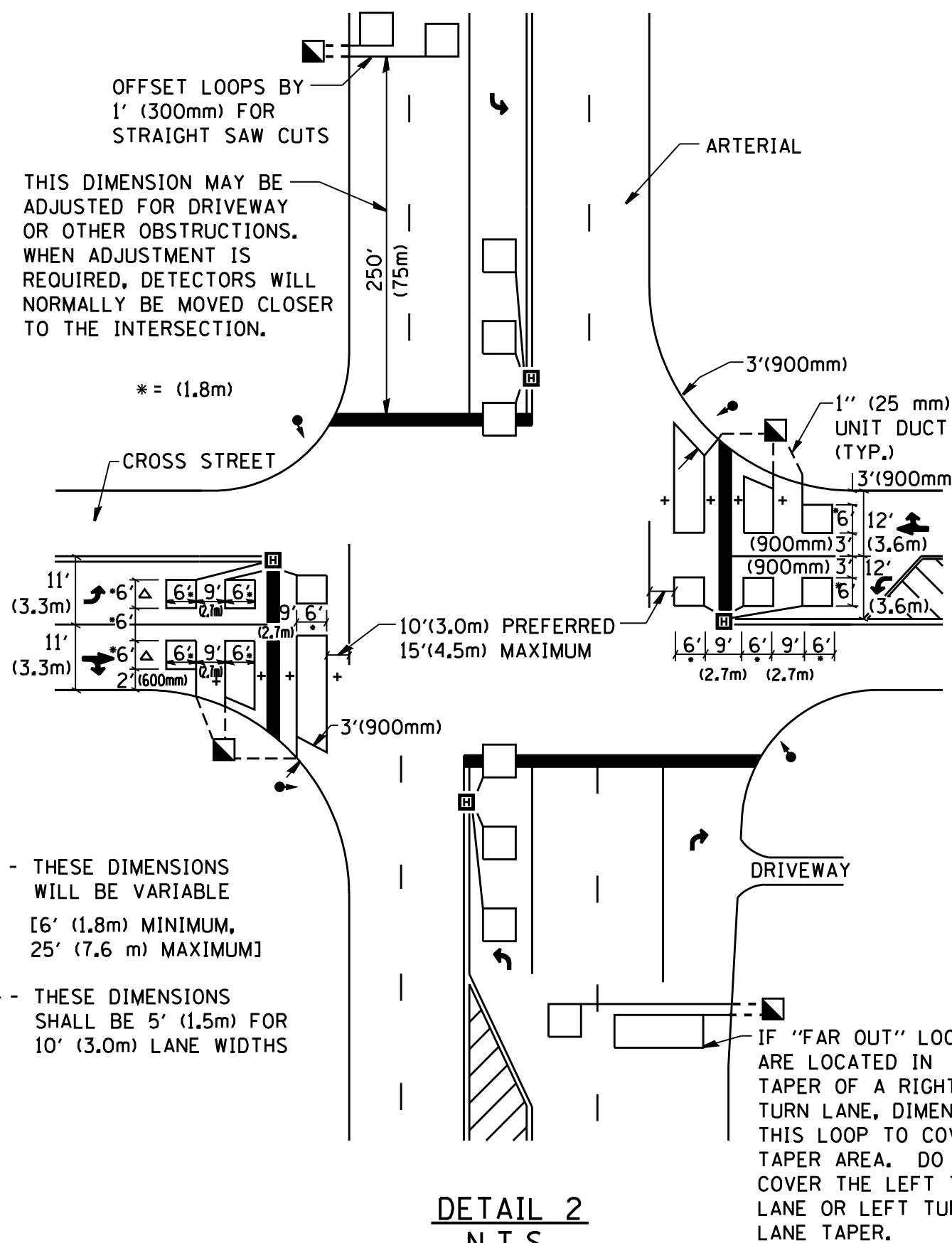
- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1**  
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2**  
N.T.S.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION  
DETAILS FOR ROADWAY RESURFACING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	(ZR-1&119)RS-7	COOK	51	51
<b>TS-07</b>		<b>CONTRACT NO. 60Y56</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				