

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	0505.1, 0606 & 0707 RS-12	COOK	32	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 62818	

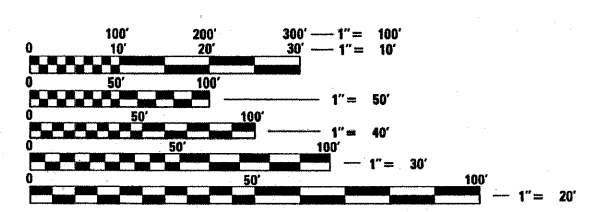
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PROPOSED HIGHWAY PLANS**

**F.A.U. ROUTE 1459 (26TH STREET/25TH PLACE)**  
**SECTION: (0505.1, 0606 & 0707) RS-12**  
**IL. RTE. 43 (HARLEM AVE.) TO IL. RTE. 50 (CICERO AVE.)**  
**RESURFACING (MAINTENANCE)**  
**PROJECT: ESP-1459(004)**  
**COOK COUNTY**  
**C-91-319-04**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED  
 IN THE CITY OF BERWYN & TOWN OF CICERO



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.

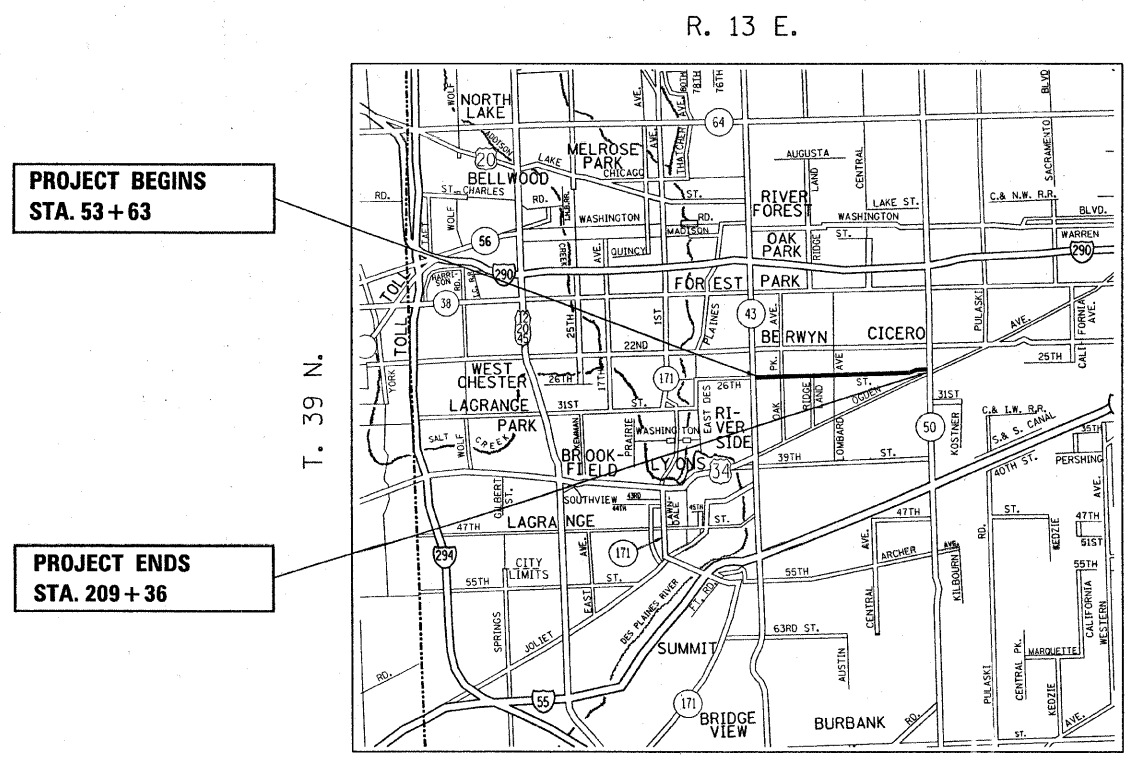
J.U.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123  
 OR 811

PROJECT ENGINEER - FRITZ GUILLAUME  
 PROJECT MANAGER - KEN ENG (847) 705-4247

CONTRACT NO. 62818



LOCATION OF SECTION INDICATED THUS: —



PROJECT BEGINS  
 STA. 53+63

PROJECT ENDS  
 STA. 209+36

RIVERSIDE TWP, BERWYN TWP, & CICERO TWP

GROSS & LENGTH OF PROJECT = 15,573 LIN. FT. = 2.95 MILES



MAP SCALE  
 NO SCALE

TRAFFIC DATA  
 2006 ADT = 13,500  
 SPEED LIMIT = 25 - 35 MPH

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED JANUARY 9, 2009

*Diane M. O'Keefe*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 13, 2009  
*Charles D. Ingensoll*  
 ENGINEER OF DESIGN AND ENVIRONMENT

March 13, 2009  
*Christine M. Reed*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3 - 4	SUMMARY OF QUANTITIES
5 - 6	TYPICAL SECTIONS PLAN
7 - 12	ROADWAY & PAVEMENT MARKING PLANS
13 - 21	DETECTOR LOOP REPLACEMENT PLANS
22	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
23	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
25	BUTT JOINTS AND HMA TAPER DETAILS
26	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
27	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
28	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
29	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
30	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
31	ARTERIAL ROAD INFORMATION SIGN
32	DISTRICT ONE DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-07	CLASS C AND D PATCHES
604001-03	FRAME AND LIDS, TYPE I
604086-02	FRAME AND GRATES, TYPE 23
606001-04	COMBINATION CONCRETE CURB AND GUTTER
701301-03	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-05	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701606-00	URBAN LANE CLOSURE, MULTILANE 2W W/MOUNTABLE MEDIAN
701701-00	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF BERWYN AND THE TOWN OF CICERO.

TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB & GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS".

NO PERMANENT LANE CLOSURES WILL BE ALLOWED. MILLING, RESURFACING, STRUCTURE ADJUSTMENTS, AND PATCHING OPERATIONS WILL BE DONE WITH DAY TIME CLOSURES ONLY

THE RESIDENT ENGINEER SHALL CONTACT MR. SCOTT KUZNICKI, AREA TRAFFIC FIELD ENGINEER AT (773)685-8386 A MINIMUM OF 72 HOURS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.

THE RESIDENT ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS BEFORE MILLING

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

**NOTE:**

49TH AVENUE PLANS WERE NOT AVAILABLE AT THE TIME THESE PLANS WERE PREPARED. HOWEVER, A VALUE OF 154 FEET OF " DETECTOR LOOP REPLACEMENT" IS INCLUDED IN THE QUANTITIES AND SHOULD BE VERIFIED ON THE FIELD BY THE RESIDENT ENGINEER.

FILE NAME =	USER NAME = gulllaumejp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\gulllaumejp\08117416\011904-Design\dgn	DRAWN -	REVISED -	1459			K0505.1, 0606 & 0707) RS-12	COOK	32	2	
PLOT SCALE = 50.0001' / IN.	CHECKED -	REVISED -	CONTRACT NO. 62818							
PLOT DATE = 1/9/2009	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1, ILLINOIS FED. AID PROJECT		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	10505.1, 0606 & 0707 RS-12	COOK	32	3
FED. ROAD DIST. NO.	ILLINOIS	HIGHWAY PROJECT		
CONTRACT NO. 62818				

SUMMARY OF QUANTITIES			100% FED.	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 1000				
X0324626	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/4"	SO YD	393	393				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	58	58				
40600300	AGGREGATE (PRIME COAT)	TON	288	288				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	24	24				
40600895	CONSTRUCTING TEST STRIP	EACH	2	2				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1492	1492				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6475	6475				
42001300	PROTECTIVE COAT	SO YD	290	290				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	50	50				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	600	600				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	64609	64609				
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	14991	14991				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	50	50				
44000600	SIDEWALK REMOVAL	SO FT	600	600				
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	500	500				
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	280	280				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	1140	1140				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	800	800				
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	480	480				
55039700	STORM SEWERS TO BE CLEANED	FOOT	6000	6000				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	6	6				
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	30	30				
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	110	110				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	25	25				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	40	40				

SUMMARY OF QUANTITIES			100% FED.	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 1000	URBAN 1000	URBAN 1000	
					26TH & RIVERSIDE	26TH & RIDGELAND	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7342	7342			
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	880	880			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	46658	46658			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5258	5258			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	277	277			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3292	3292			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1314	1314			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	880	880			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	46658	46658			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5258	5258			
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	277	277			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3292	3292			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1314	1314			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	571	571			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		1	1	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1252		748	504	
* 87900200	DRILL EXISTING HANDHOLE	EACH	5		3	2	

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\*SPECIALTY ITEMS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES
NAME	DATE	

PLOT DATE: 1/9/2009

SUMMARY OF QUANTITIES			100% FED. TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000	URBAN 1000 26TH & RIVERSIDE	URBAN 1000 26TH & RIDGELAND			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4		2	2			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	198		66	132			
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3200	2415	260	525			
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	970		540	430			
X0322256	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8					
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	2664	2664					
NP Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	150	150					
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
© Z0076600	TRAINEES	HOUR	500	500					

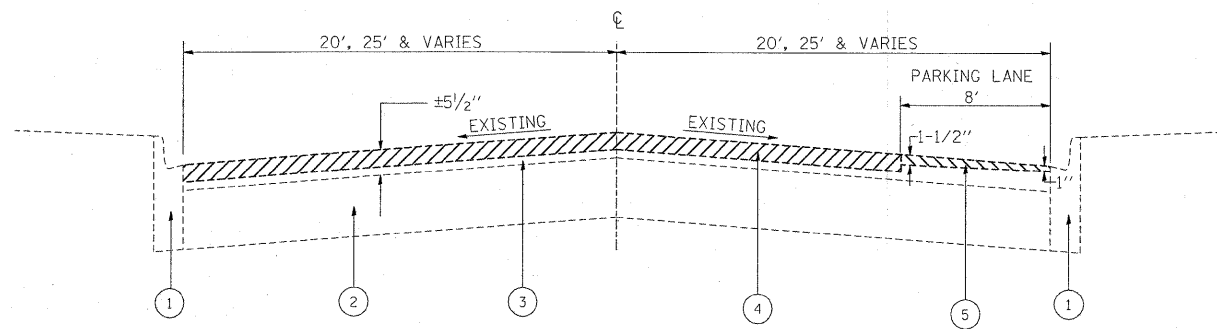
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES						

NP = NON-PARTICIPATING  
 \* SPECIALTY ITEMS  
 © Y180

REVISIONS	
NAME	DATE

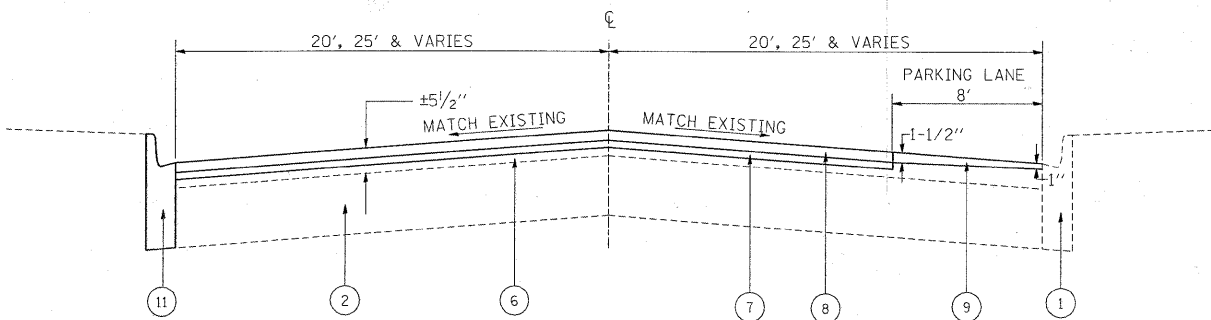
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUMMARY OF QUANTITIES

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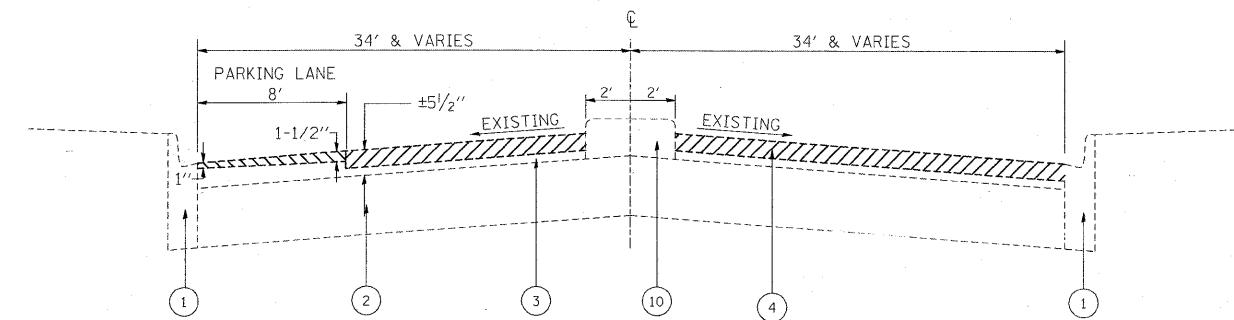
EXISTING TYPICAL SECTION

•SEE NOTE  
 STA. 53+43 TO STA. 67+00 (NO PARKING LANES)  
 STA. 67+00 TO STA. 181+00 (PARKING LANES BOTH SIDES)  
 STA. 181+00 TO STA. 194+00 (PARKING LANE ON LEFT)  
 STA. 194+00 TO STA. 203+00 (NO PARKING LANES)



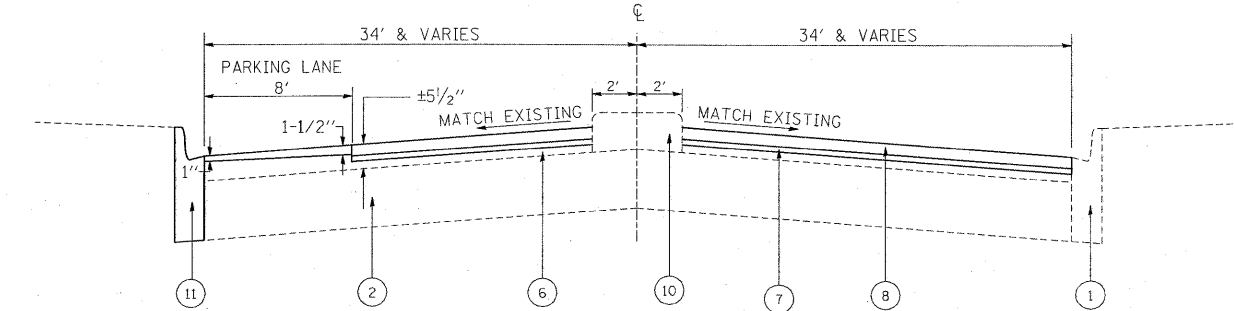
PROPOSED TYPICAL SECTION

•SEE NOTE  
 STA. 53+43 TO STA. 67+00 (NO PARKING LANES)  
 STA. 67+00 TO STA. 181+00 (PARKING LANES BOTH SIDES)  
 STA. 181+00 TO STA. 194+00 (PARKING LANE ON LEFT)  
 STA. 194+00 TO STA. 203+00 (NO PARKING LANES)



EXISTING TYPICAL SECTION

STA. 203+00 TO STA. 207+06  
 STA. 207+76 TO STA. 209+36



PROPOSED TYPICAL SECTION

STA. 203+00 TO STA. 207+06  
 STA. 207+76 TO STA. 209+36

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
  2. EXISTING P.C. CONCRETE PAVEMENT ± 9"
  3. EXISTING HMA SURFACE COURSE ± 5/2"
  4. PROPOSED HMA SURFACE REMOVAL (2/4")
  5. PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH 1" TO 1 1/2")
  6. EXISTING HMA SURFACE OVERLAY AFTER MILLING
  7. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
  8. PROPOSED HMA SURFACE COURSE, MIX "D", N70 (1 1/2")
  9. PROPOSED HMA SURFACE COURSE, MIX "D", N70 (VARIABLE DEPTH - 1" TO 1 1/2")
  10. EXISTING CONCRETE MEDIAN
  11. PROPOSED COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT WHERE NECESSARY. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
  12. MEDIAN REMOVAL PARTIAL DEPTH
- NOTE: SEE PLAN SHEETS FOR LOCATIONS OF PARKING LANES. WHERE THERE ARE NO PARKING LANES, MILL AND RESURFACE THE FULL DEPTH OF 2/4" TO THE CURB AND GUTTER.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	AC/PG	RAP % MAX	DESIGN AIR VOIDS
HMA SURFACE COURSE SUPERPAVE MIX D, N70	PG 64-22	10/15	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	15	4% @ 50 GYR
CLASS D PATCHES (HMA BINDER IL 19 mm)	PG 64-22*	15/25	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22*	15/25	4% @ 70 GYR

NOTES

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LBS/SQYD/IN.  
 \*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

NOTES

THE CONTRACTOR SHALL MILL FIRST (BEFORE CLASS D PAVING)

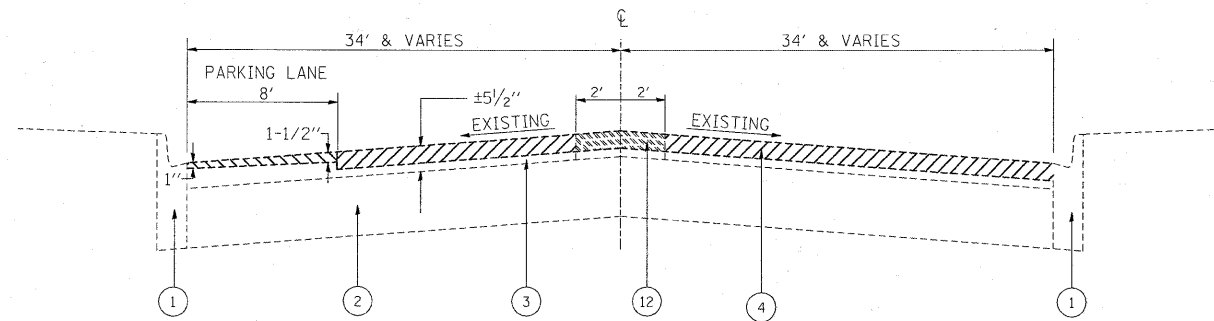
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

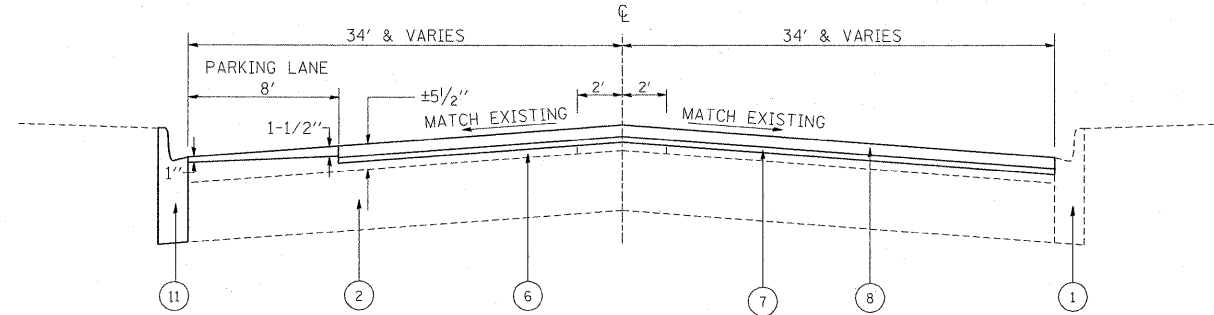
26TH STREET /25TH PLACE (IL 43 TO IL 50)  
 TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62818	



EXISTING TYPICAL SECTION  
STA. 207+06 TO STA. 207+76



PROPOSED TYPICAL SECTION  
STA. 207+06 TO STA. 207+76

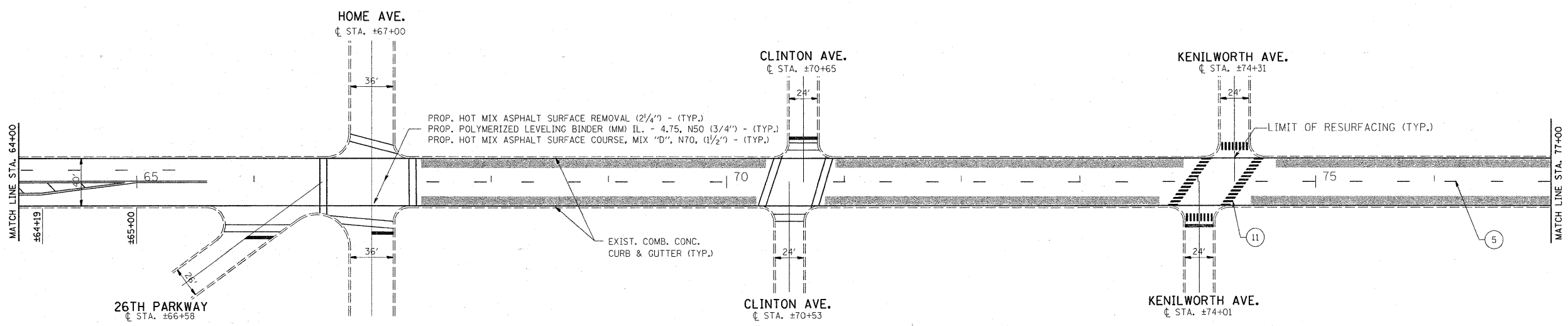
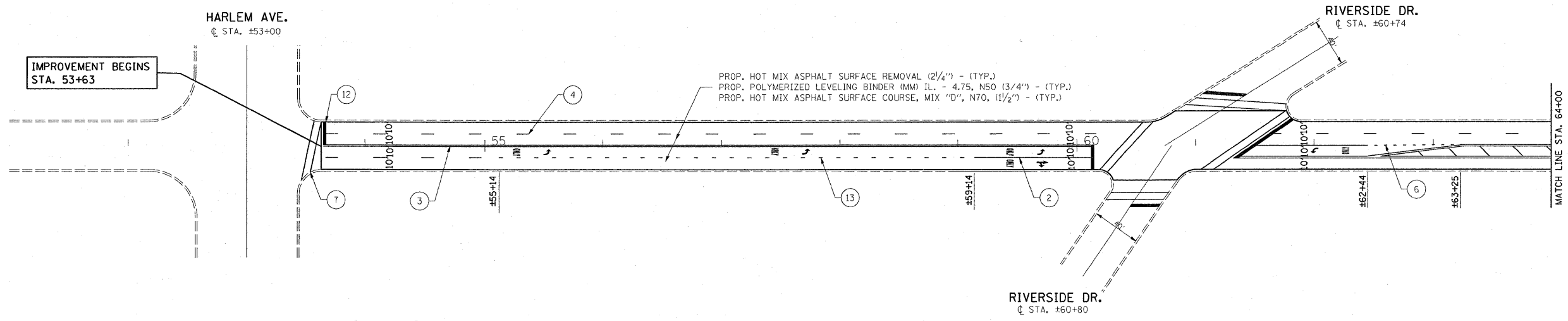
**LEGEND**

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
  2. EXISTING P.C. CONCRETE PAVEMENT ± 9"
  3. EXISTING HMA SURFACE COURSE ± 5/2"
  4. PROPOSED HMA SURFACE REMOVAL (2/4")
  5. PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH 1" TO 1/2")
  6. EXISTING HMA SURFACE OVERLAY AFTER MILLING
  7. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
  8. PROPOSED HMA SURFACE COURSE, MIX "D", N70 (1/2")
  9. PROPOSED HMA SURFACE COURSE, MIX "D", N70 (VARIABLE DEPTH - 1" TO 1/2")
  10. EXISTING CONCRETE MEDIAN
  11. PROPOSED COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT WHERE NECESSARY. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
  12. MEDIAN REMOVAL PARTIAL DEPTH
- \* NOTE: SEE PLAN SHEETS FOR LOCATIONS OF PARKING LANES. WHERE THERE ARE NO PARKING LANES, MILL AND RESURFACE THE FULL DEPTH OF 2/4" TO THE CURB AND GUTTER.

**NOTES**

THE CONTRACTOR SHALL MILL FIRST (BEFORE CLASS D PATHING)

FILE NAME =	USER NAME = guillaumejp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) TYPICAL SECTIONS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwtidot\guillaumejp\d0117416\011904-Design.dgn	DRAWN -	REVISED -	1459			(0505.1, 0606 & 0707) RS-12	COOK	32	6	
PLOT SCALE = 50.0001' / IN.	CHECKED -	REVISED -	CONTRACT NO. 62818							
PLOT DATE = 1/9/2009	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				



STRIPING LEGEND

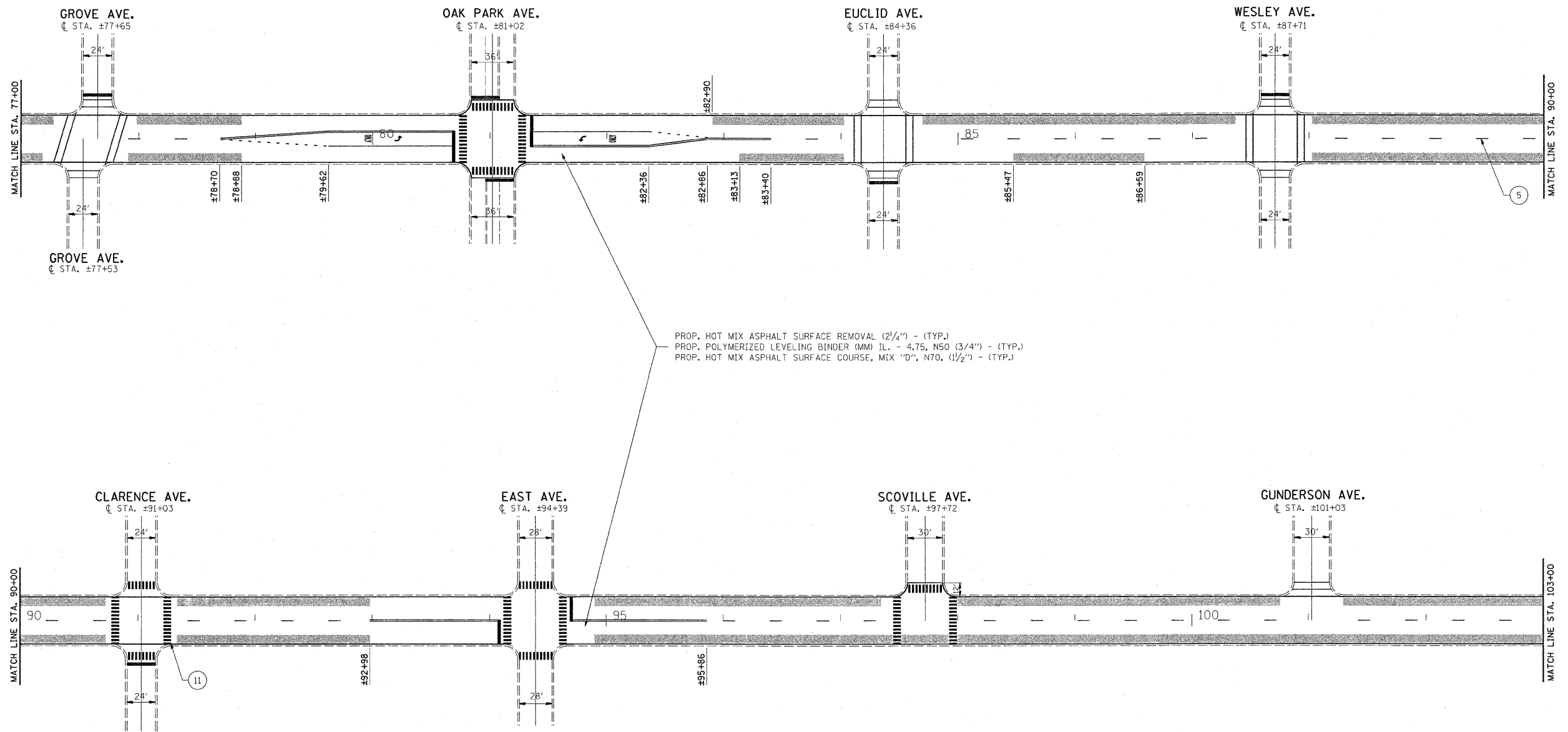
- |  |   |
|--|---|
| ① 4" YELLOW - SOLID LINE                                 | ⑧ 8" LINE - WHITE                             |
| ② 6" WHITE - SOLID LINE                                  | ⑨ 12" LINE - WHITE                            |
| ③ 4" YELLOW - DOUBLE LINE                                | ⑩ 12" LINE - YELLOW                           |
| ④ 4" WHITE - CENTERLINE SKIP DASH (10' LINE, 30' SPACE)  | ⑪ 12" LINE (SCHOOL CROSSING) - WHITE          |
| ⑤ 4" YELLOW - CENTERLINE SKIP DASH (10' LINE, 30' SPACE) | ⑫ 24" STOP BAR - WHITE                        |
| ⑥ 6" WHITE - DOTTED LINE (2' LINE, 6' SPACE)             | ⑬ 6" WHITE - DOTTED LINE (3' LINE, 12' SPACE) |
| ⑦ 6" LINE (CROSS WALK) - WHITE                           | ⑭ 4" WHITE - SOLID LINE                       |

PARKING LANES -- VARIABLE DEPTH MILLING AND RESURFACING. SEE TYPICAL SECTIONS.

NOTE:

- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT 1 DETAIL.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. 1 DETAIL.

FILE NAME =	USER NAME = gus11aumefp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) ROADWAY &amp; PAVEMENT MARKING PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\gus11aumefp\d0117416\011904-Design.dgn	DRAWN -	REVISED -	1459			(0505.1, 0606 & 0707) RS-12	COOK	32	7	
PLOT SCALE = 50,00000 ' / IN.	CHECKED -	REVISED -	CONTRACT NO. 62818							
PLOT DATE = 1/9/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE:						SHEET NO.	OF	SHEETS	STA.	TO STA.



PROP. HOT MIX ASPHALT SURFACE REMOVAL (2 1/4") - (TYP.)  
 PROP. POLYMERIZED LEVELING BINDER (MM) IL. - 4.75, N50 (3/4") - (TYP.)  
 PROP. HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70, (1 1/2") - (TYP.)

STRIPING LEGEND

- |  |   |
|--|---|
| ① 4" YELLOW - SOLID LINE                                 | ⑧ 8" LINE - WHITE                             |
| ② 6" WHITE - SOLID LINE                                  | ⑨ 12" LINE - WHITE                            |
| ③ 4" YELLOW - DOUBLE LINE                                | ⑩ 12" LINE - YELLOW                           |
| ④ 4" WHITE - CENTERLINE SKIP DASH (10' LINE, 30' SPACE)  | ⑪ 12" LINE (SCHOOL CROSSING) - WHITE          |
| ⑤ 4" YELLOW - CENTERLINE SKIP DASH (10' LINE, 30' SPACE) | ⑫ 24" STOP BAR - WHITE                        |
| ⑥ 6" WHITE - DOTTED LINE (2' LINE, 6' SPACE)             | ⑬ 6" WHITE - DOTTED LINE (3' LINE, 12' SPACE) |
| ⑦ 6" LINE (CROSS WALK) - WHITE                           | ⑭ 4" WHITE - SOLID LINE                       |

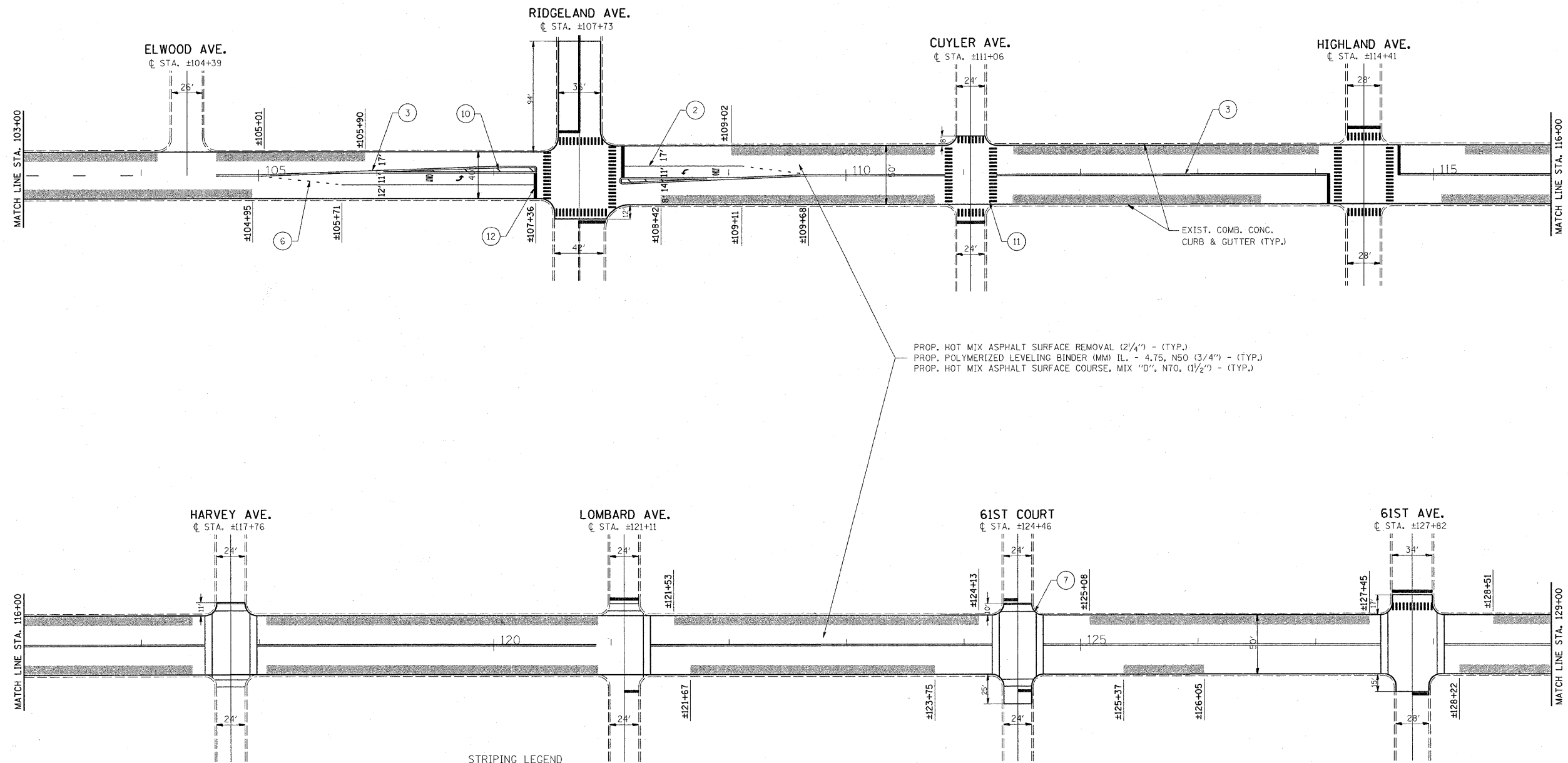
PARKING LANES -- VARIABLE DEPTH MILLING AND RESURFACING. SEE TYPICAL SECTIONS.

NOTE:

- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT 1 DETAIL.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. 1 DETAIL.

FILE NAME =	USER NAME = guillaumefp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) ROADWAY &amp; PAVEMENT MARKING PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\pwidot\guillaumefp\d0117416\011904-Design.dgn		DRAWN -	REVISED -			1459	(0505.1, 0606 & 0707) RS-12	COOK	32	8	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 62818					
PLOT DATE = 1/9/2009		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.			





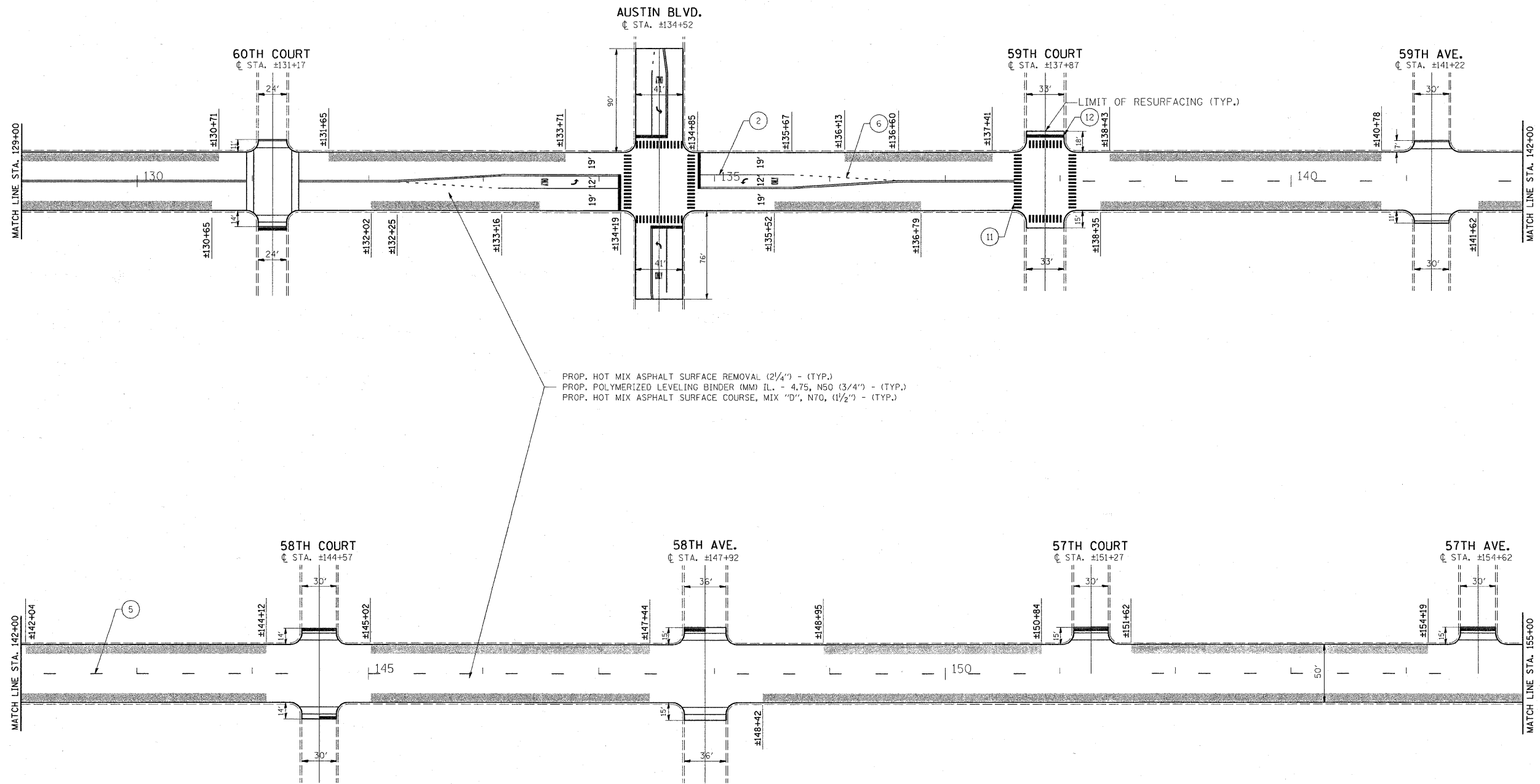
PROP. HOT MIX ASPHALT SURFACE REMOVAL (2 1/4") - (TYP.)  
 PROP. POLYMERIZED LEVELING BINDER (MM) IL - 4.75, N50 (3/4") - (TYP.)  
 PROP. HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70, (1 1/2") - (TYP.)

- STRIPING LEGEND
- |  |   |
|--|---|
| ① 4" YELLOW - SOLID LINE                                 | ⑧ 8" LINE - WHITE                             |
| ② 6" WHITE - SOLID LINE                                  | ⑨ 12" LINE - WHITE                            |
| ③ 4" YELLOW - DOUBLE LINE                                | ⑩ 12" LINE - YELLOW                           |
| ④ 4" WHITE - CENTERLINE SKIP DASH (10' LINE, 30' SPACE)  | ⑪ 12" LINE (SCHOOL CROSSING) - WHITE          |
| ⑤ 4" YELLOW - CENTERLINE SKIP DASH (10' LINE, 30' SPACE) | ⑫ 24" STOP BAR - WHITE                        |
| ⑥ 6" WHITE - DOTTED LINE (2' LINE, 6' SPACE)             | ⑬ 6" WHITE - DOTTED LINE (3' LINE, 12' SPACE) |
| ⑦ 6" LINE (CROSS WALK) - WHITE                           | ⑭ 4" WHITE - SOLID LINE                       |

PARKING LANES -- VARIABLE DEPTH MILLING AND RESURFACING. SEE TYPICAL SECTIONS.

NOTE:  
 1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT 1 DETAIL.  
 2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. 1 DETAIL.

FILE NAME =	USER NAME = guillaumefp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) ROADWAY &amp; PAVEMENT MARKING PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwwork\guillaumefp\d0117416\011984-Design.dgn	DRAWN -	REVISED -	1459			(0505.1, 0606 & 0707) RS-12	COOK	32	9	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 62818							
PLOT DATE = 1/9/2009	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
SCALE: SHEET NO. OF SHEETS STA. TO STA.										



PROP. HOT MIX ASPHALT SURFACE REMOVAL (2 1/4") - (TYP.)  
 PROP. POLYMERIZED LEVELING BINDER (MM) IL - 4.75, N50 (3/4") - (TYP.)  
 PROP. HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70, (1 1/2") - (TYP.)

STRIPING LEGEND

- |  |   |
|--|---|
| ① 4" YELLOW - SOLID LINE                                 | ⑧ 8" LINE - WHITE                             |
| ② 6" WHITE - SOLID LINE                                  | ⑨ 12" LINE - WHITE                            |
| ③ 4" YELLOW - DOUBLE LINE                                | ⑩ 12" LINE - YELLOW                           |
| ④ 4" WHITE - CENTERLINE SKIP DASH (10' LINE, 30' SPACE)  | ⑪ 12" LINE (SCHOOL CROSSING) - WHITE          |
| ⑤ 4" YELLOW - CENTERLINE SKIP DASH (10' LINE, 30' SPACE) | ⑫ 24" STOP BAR - WHITE                        |
| ⑥ 6" WHITE - DOTTED LINE (2' LINE, 6' SPACE)             | ⑬ 6" WHITE - DOTTED LINE (3' LINE, 12' SPACE) |
| ⑦ 6" LINE (CROSS WALK) - WHITE                           | ⑭ 4" WHITE - SOLID LINE                       |

PARKING LANES -- VARIABLE DEPTH MILLING AND RESURFACING. SEE TYPICAL SECTIONS.

NOTE:

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USER NAME = guillaumejp  
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 PLOT DATE = 1/9/2009

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

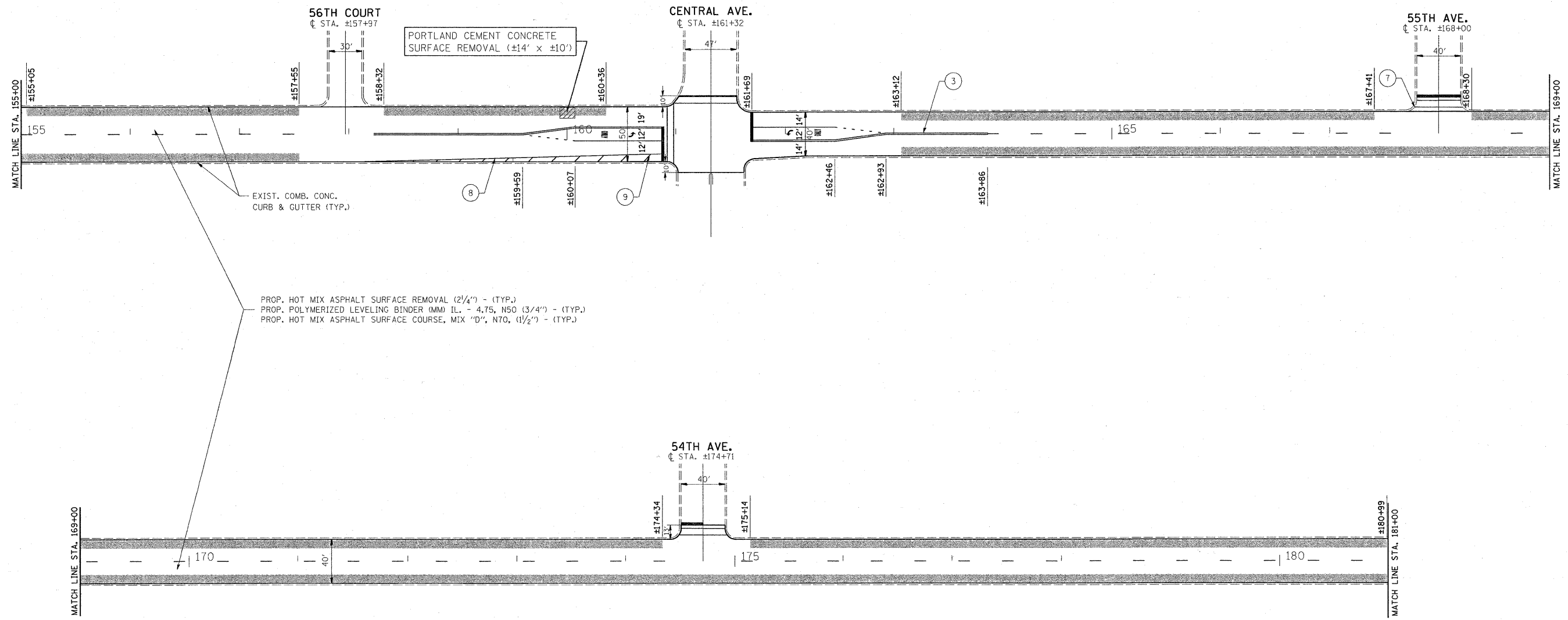
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

26TH STREET /25TH PLACE (IL 43 TO IL 50)  
 ROADWAY & PAVEMENT MARKING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	10
CONTRACT NO. 62818				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROP. HOT MIX ASPHALT SURFACE REMOVAL (2 1/4") - (TYP.)  
 PROP. POLYMERIZED LEVELING BINDER (MM) IL. - 4.75, N50 (3/4") - (TYP.)  
 PROP. HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70, (1 1/2") - (TYP.)

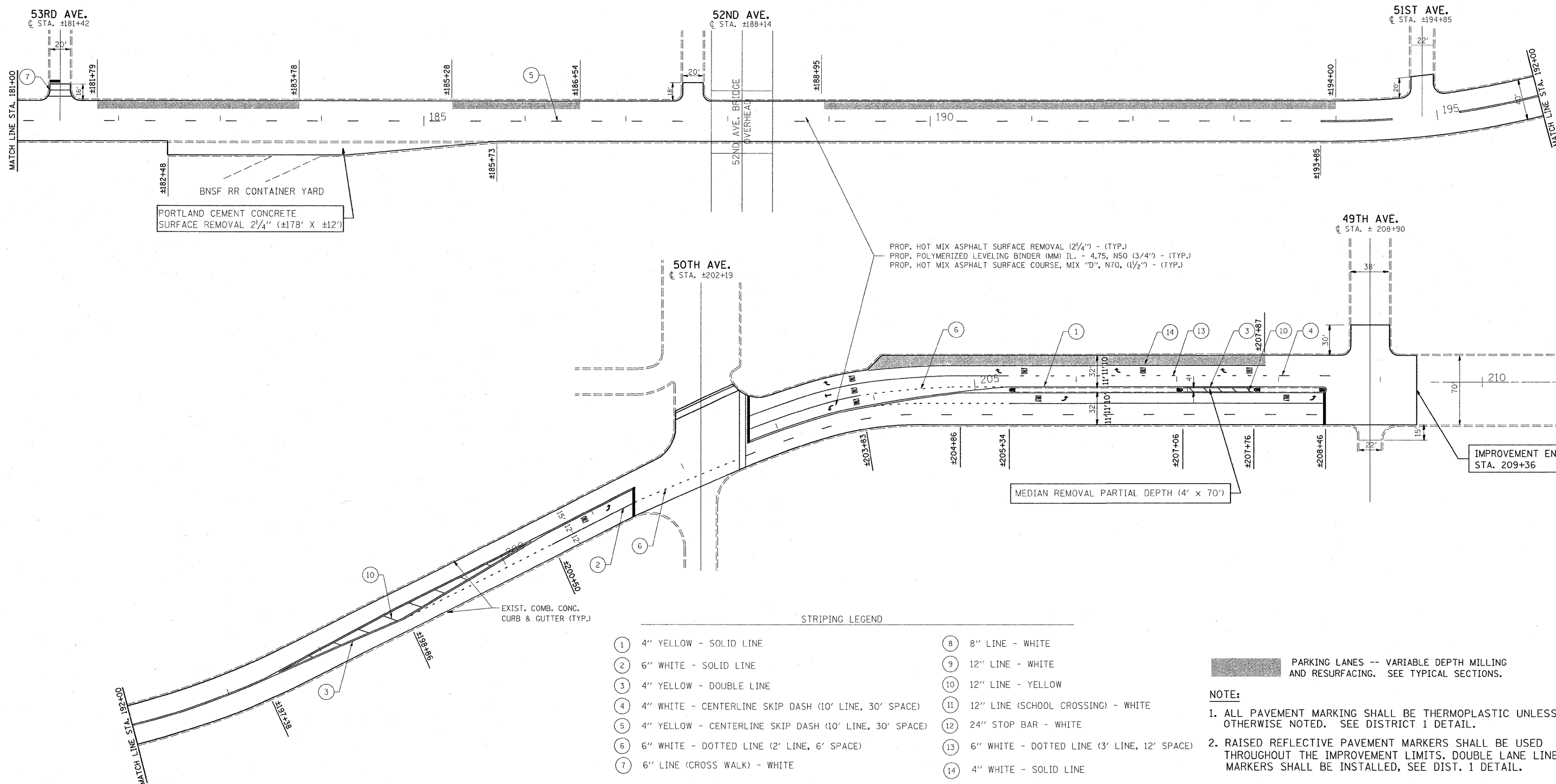
STRIPING LEGEND

- |  |   |
|--|---|
| ① 4" YELLOW - SOLID LINE                                 | ⑧ 8" LINE - WHITE                             |
| ② 6" WHITE - SOLID LINE                                  | ⑨ 12" LINE - WHITE                            |
| ③ 4" YELLOW - DOUBLE LINE                                | ⑩ 12" LINE - YELLOW                           |
| ④ 4" WHITE - CENTERLINE SKIP DASH (10' LINE, 30' SPACE)  | ⑪ 12" LINE (SCHOOL CROSSING) - WHITE          |
| ⑤ 4" YELLOW - CENTERLINE SKIP DASH (10' LINE, 30' SPACE) | ⑫ 24" STOP BAR - WHITE                        |
| ⑥ 6" WHITE - DOTTED LINE (2' LINE, 6' SPACE)             | ⑬ 6" WHITE - DOTTED LINE (3' LINE, 12' SPACE) |
| ⑦ 6" LINE (CROSS WALK) - WHITE                           | ⑭ 4" WHITE - SOLID LINE                       |

NOTE:

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FILE NAME =	USER NAME = gulllaumejp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) ROADWAY &amp; PAVEMENT MARKING PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\pwwidot\gulllaumejp\d0117416\DI	1984-Design.dgn	DRAWN -	REVISED -			1459	(0505.1, 0606 & 0707) RS-12	COOK	32	11
PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 62818				
PLOT DATE = 1/9/2009	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.		



PORTLAND CEMENT CONCRETE  
SURFACE REMOVAL 2 1/4" (±178' X ±12')

PROP. HOT MIX ASPHALT SURFACE REMOVAL (2 1/4") - (TYP.)  
PROP. POLYMERIZED LEVELING BINDER (MM) IL - 4.75, N50 (3/4") - (TYP.)  
PROP. HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70, (1 1/2") - (TYP.)

MEDIAN REMOVAL PARTIAL DEPTH (4' x 70')

IMPROVEMENT ENDS  
STA. 209+36

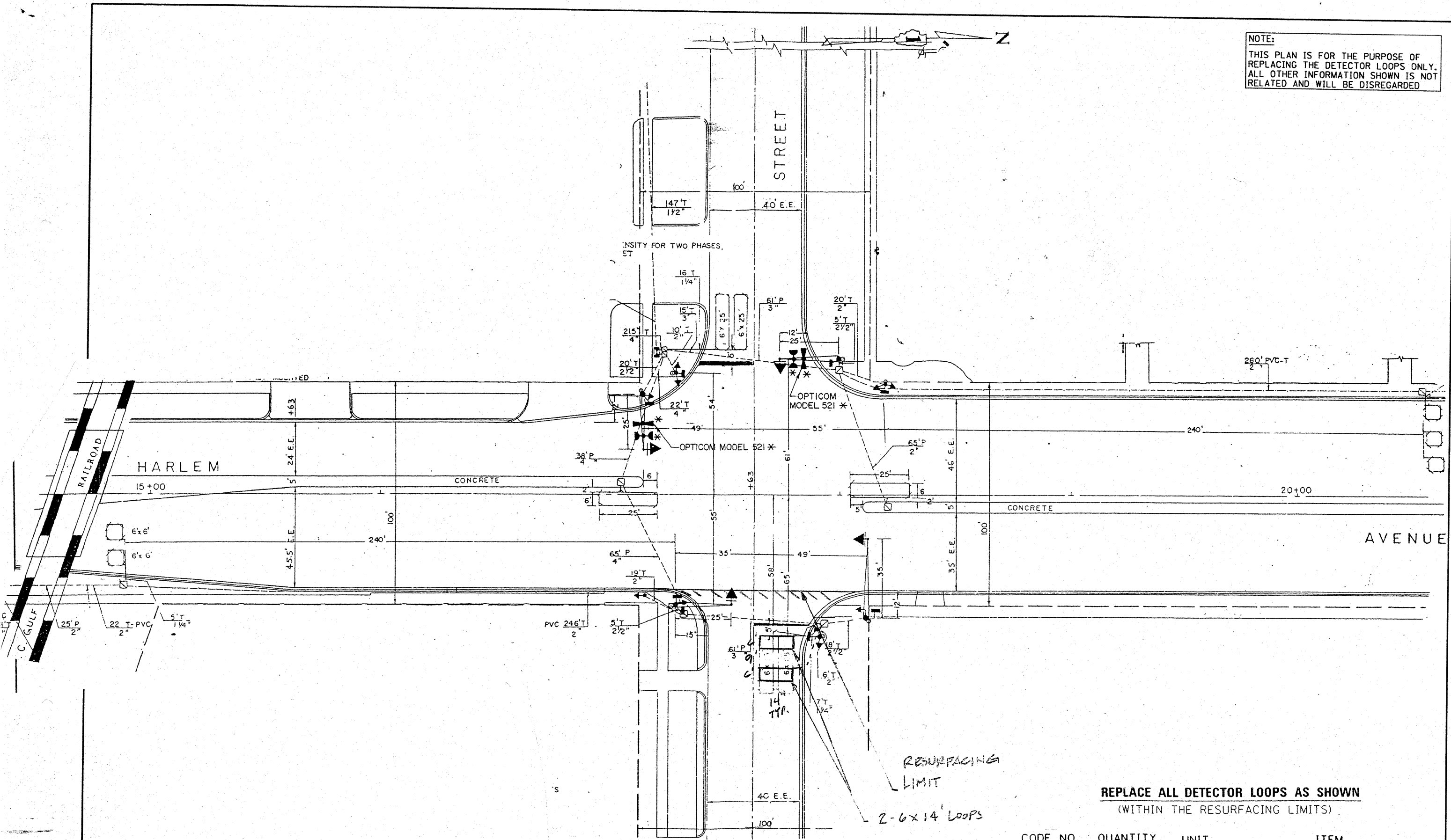
- STRIPING LEGEND
- ① 4" YELLOW - SOLID LINE
  - ② 6" WHITE - SOLID LINE
  - ③ 4" YELLOW - DOUBLE LINE
  - ④ 4" WHITE - CENTERLINE SKIP DASH (10' LINE, 30' SPACE)
  - ⑤ 4" YELLOW - CENTERLINE SKIP DASH (10' LINE, 30' SPACE)
  - ⑥ 6" WHITE - DOTTED LINE (2' LINE, 6' SPACE)
  - ⑦ 6" LINE (CROSS WALK) - WHITE
  - ⑧ 8" LINE - WHITE
  - ⑨ 12" LINE - WHITE
  - ⑩ 12" LINE - YELLOW
  - ⑪ 12" LINE (SCHOOL CROSSING) - WHITE
  - ⑫ 24" STOP BAR - WHITE
  - ⑬ 6" WHITE - DOTTED LINE (3' LINE, 12' SPACE)
  - ⑭ 4" WHITE - SOLID LINE

PARKING LANES -- VARIABLE DEPTH MILLING AND RESURFACING. SEE TYPICAL SECTIONS.

- NOTE:
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FILE NAME =	USER NAME = guillaumejp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) ROADWAY &amp; PAVEMENT MARKING PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\guillaumejp\d0117416\011904-Design.dgn	DRAWN -	REVISED -	1459			(0505.1, 0606 & 0707) RS-12	COOK	32	12		
PLOT SCALE = 50.0001' / IN.	CHECKED -	REVISED -	CONTRACT NO. 62818								
PLOT DATE = 1/9/2009	DATE -	REVISED -	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT								
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			

**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF  
 REPLACING THE DETECTOR LOOPS ONLY.  
 ALL OTHER INFORMATION SHOWN IS NOT  
 RELATED AND WILL BE DISREGARDED



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

CODE NO.	QUANTITY	UNIT	ITEM
86600600	86	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = guillaumejp	DESIGNED -	REVISED -
ct:\pw_work\PW1007\GUILLAUMEJP\d8117416\131984-Design.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.7853' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/6/2009		DATE -	REVISED -

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

**26TH STREET /25TH PLACE (IL 43 TO IL 50)**  
**ILL RTE 43 (HARLEM) @ 26TH STREET**

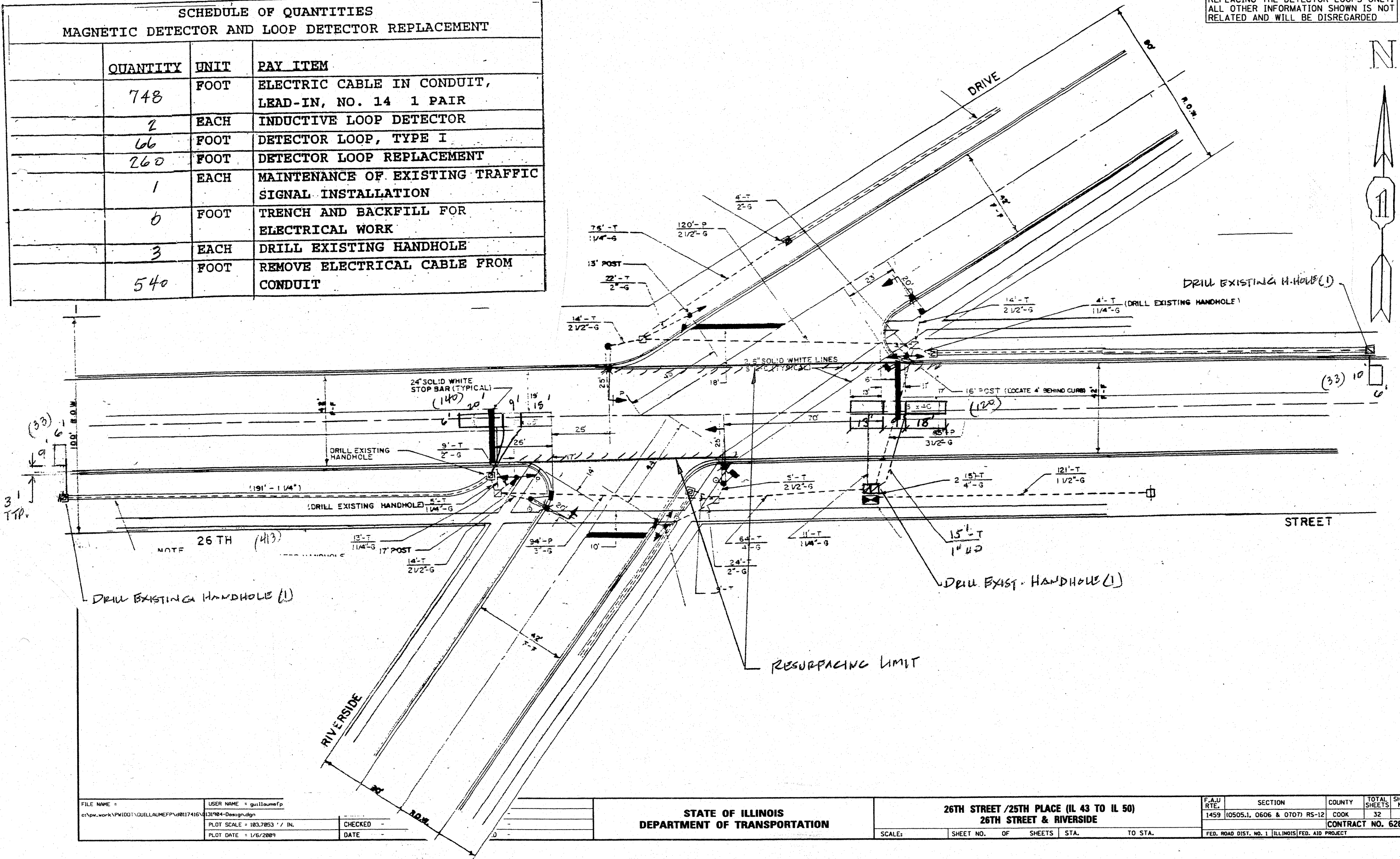
SCALE:	SHEET NO. OF SHEETS STA. TO STA.	F.A.U. RTE. 1459	SECTION (0505.1, 0606 & 0707) RS-12	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 13
		FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

**CONTRACT NO. 62818**

**SCHEDULE OF QUANTITIES**  
**MAGNETIC DETECTOR AND LOOP DETECTOR REPLACEMENT**

QUANTITY	UNIT	PAY ITEM
748	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
2	EACH	INDUCTIVE LOOP DETECTOR
66	FOOT	DETECTOR LOOP, TYPE I
260	FOOT	DETECTOR LOOP REPLACEMENT
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
3	EACH	DRILL EXISTING HANDHOLE
540	FOOT	REMOVE ELECTRICAL CABLE FROM CONDUIT

**NOTE:**  
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FILE NAME =  
 USER NAME = guillaumefp  
 PLOT SCALE = 1/8\"/>

CHECKED  
 DATE

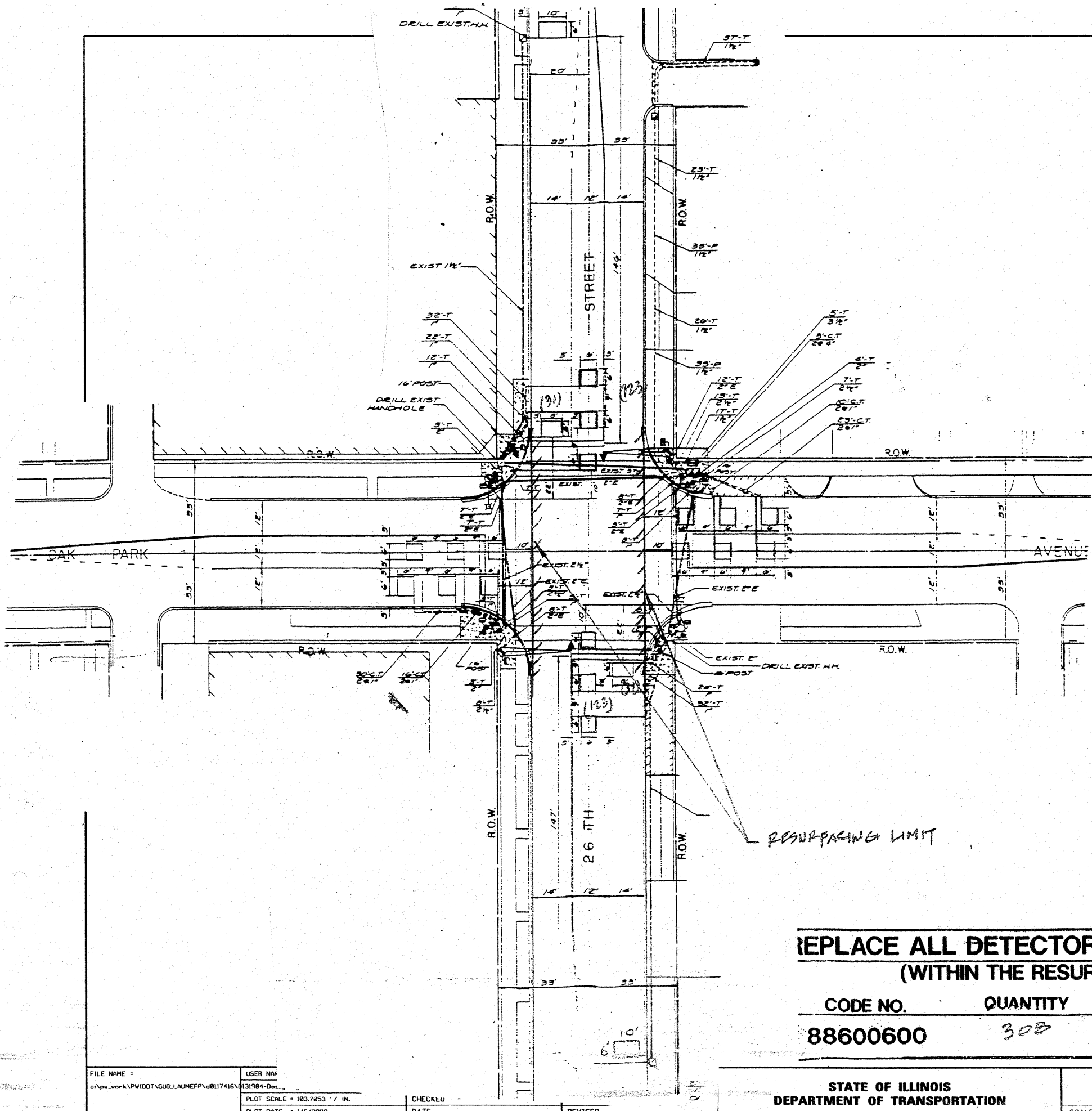
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**26TH STREET /25TH PLACE (IL 43 TO IL 50)**  
**26TH STREET & RIVERSIDE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62818	

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

CODE NO.	QUANTITY	UNIT	ITEM
88600600	303	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =  
 USER NAME  
 PLOT SCALE = 1/8" = 1'-0"  
 PLOT DATE = 1/6/2009

CHECKED  
 DATE  
 REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

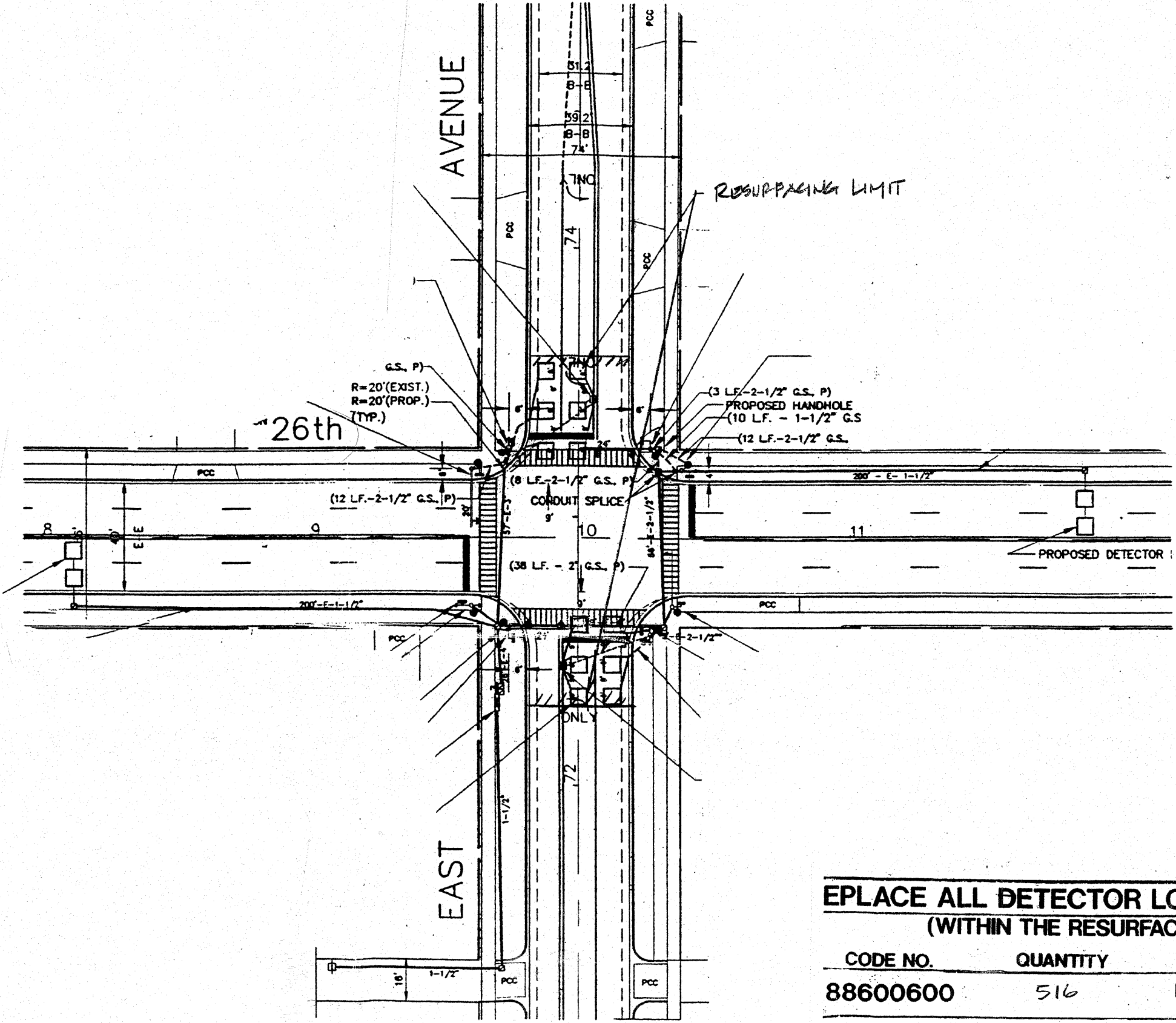
26TH STREET /25TH PLACE (IL 43 TO IL 50)  
 26TH STREET & OAK PARK AVE.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	15
				CONTRACT NO. 62818
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**NOTE:**  
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 REPLACING THE DETECTOR LOOPS ONLY.  
 ALL OTHER INFORMATION SHOWN IS NOT  
 RELATED AND WILL BE DISREGARDED

N



<b>EPLACE ALL DETECTOR LOOPS AS SHOWN</b>			
<b>(WITHIN THE RESURFACING LIMITS)</b>			
<b>CODE NO.</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>ITEM</b>
88600600	516	FOOT	DETECTOR LOOP REPLACEMENT

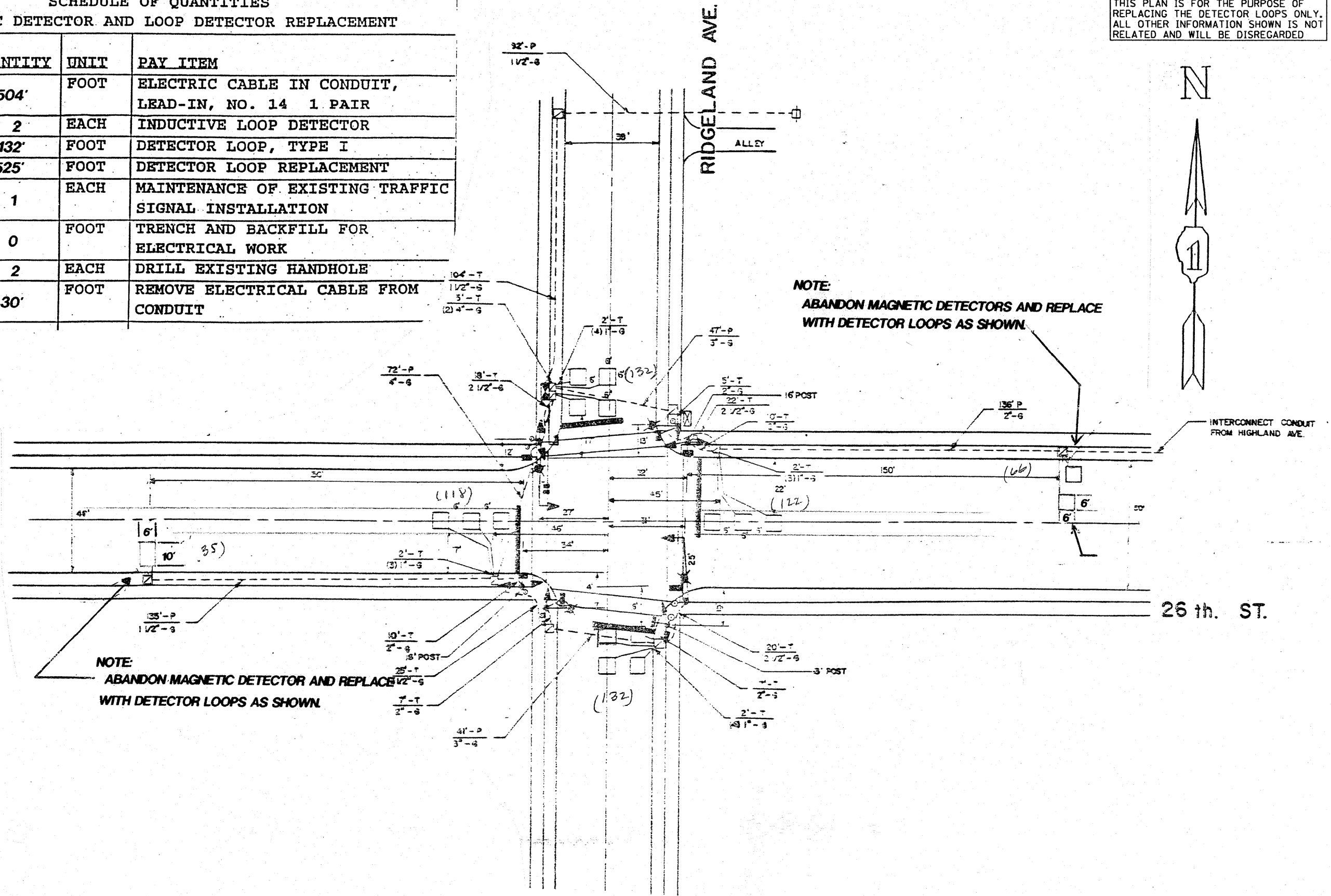
FILE NAME =	USER NAME = guillaumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	26TH STREET /25TH PLACE (IL 43 TO IL 50) 26TH STREET & EAST AVENUE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwwid\GUILLAUMEFP\0117416\131984-Design.dgn	131984-Design.dgn	DRAWN -	REVISED -			1459	(0505.1, 0606 & 0707) RS-12	COOK	32	16	
PLDT SCALE = 1/8" = 1'-0"	1/8" = 1'-0"	CHECKED -	REVISED -			CONTRACT NO. 62818					
PLDT DATE = 1/6/2009	1/6/2009	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



**SCHEDULE OF QUANTITIES**  
**MAGNETIC DETECTOR AND LOOP DETECTOR REPLACEMENT**

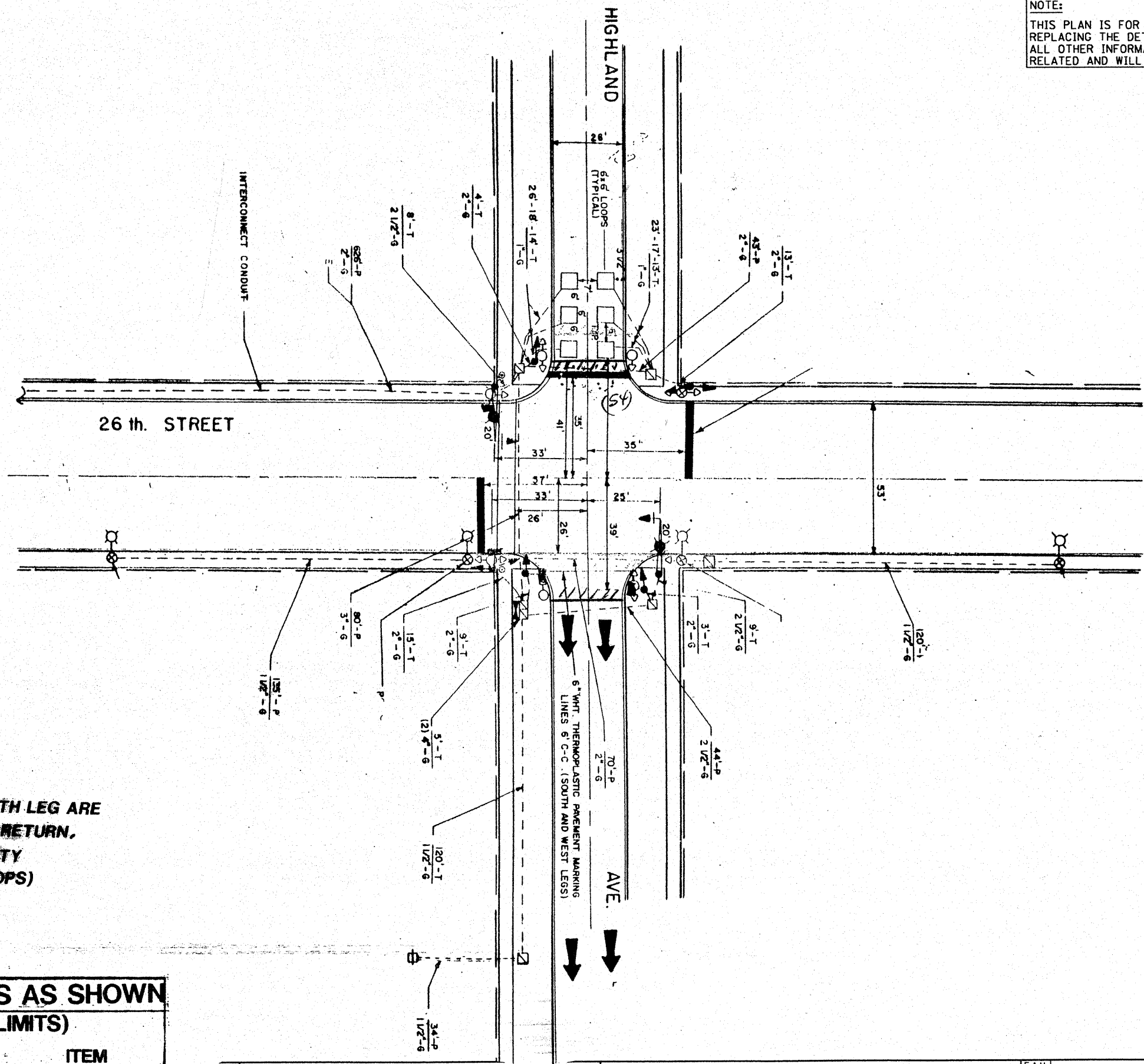
QUANTITY	UNIT	PAY ITEM
504'	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
2	EACH	INDUCTIVE LOOP DETECTOR
132'	FOOT	DETECTOR LOOP, TYPE I
525'	FOOT	DETECTOR LOOP REPLACEMENT
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
0	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
2	EACH	DRILL EXISTING HANDHOLE
430'	FOOT	REMOVE ELECTRICAL CABLE FROM CONDUIT

**NOTE:**  
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FILE NAME =	USER NAME = guillaumefp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50)</b> <b>26TH STREET &amp; RIDGELAND AVENUE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\VPWIDDT\GUILLAUMEFP\d0117416\131984-Design.dgn	131984-Design.dgn	DRAWN -	REVISED -			1459	(0505.1, 0606 & 0707) RS-12	COOK	32	17	
PLOT SCALE = 1/8" = 1'-0"	1/8" = 1'-0"	CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 62818			
PLOT DATE = 1/6/2009	1/6/2009	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

NOTE:  
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NOTE:  
 THE DETECTOR LOOPS ON THE NORTH LEG ARE  
 VERY, VERY CLOSE TO THE RADIUS RETURN,  
 IF THE LOOPS ARE CUT, THE QUANTITY  
 FOR REPLACEMENT IS 195'. (ALL LOOPS)

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

CODE NO.	QUANTITY	UNIT	ITEM
88600600	- 0 -	FOOT	DETECTOR LOOP REPLACEMENT

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

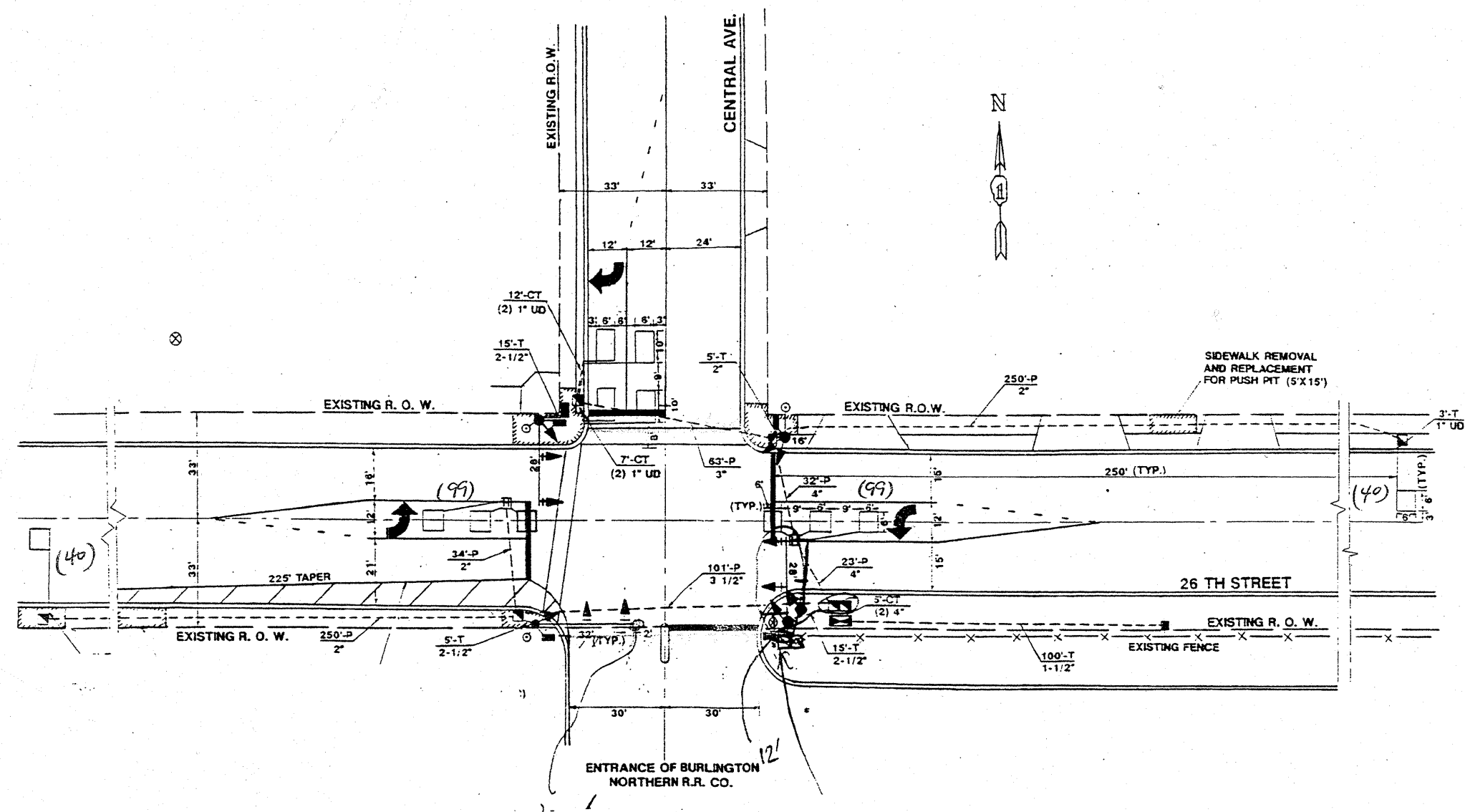
26TH STREET / 25TH PLACE (IL 43 TO IL 50)  
 26TH STREET & HIGHLAND AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62818

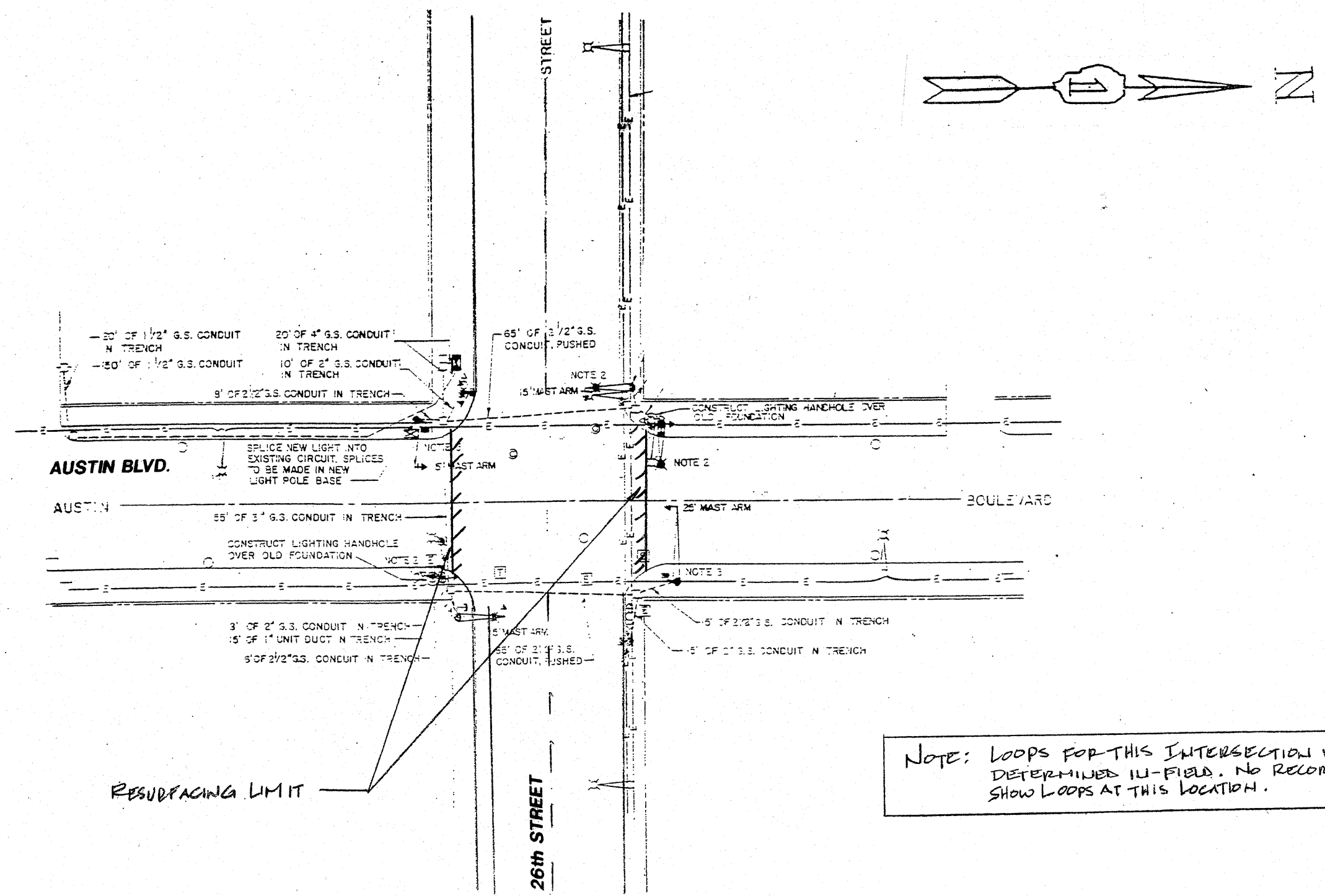
**NOTE:**  
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 REPLACING THE DETECTOR LOOPS ONLY.  
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<b>REPLACE ALL DETECTOR LOOPS AS SHOWN</b>			
<b>(WITHIN THE RESURFACING LIMITS)</b>			
<b>CODE NO.</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>ITEM</b>
88600600	467	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = guillaumefp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) 26TH STREET &amp; CENTRAL AVENUE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p\WID001\GUILLAUMEFP\d0117416	131984-Design.dgn	DRAWN -	REVISED -			1459	(0505.1, 0606 & 0707) RS-12	COOK	32	19
	PLOT SCALE = 1/8\"/>									
	PLOT DATE = 1/6/2009	DATE -	REVISED -			CONTRACT NO. 62818				
					SCALE:	SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED

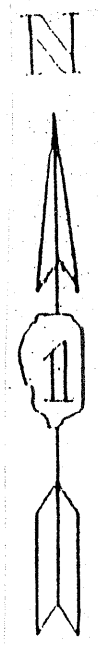
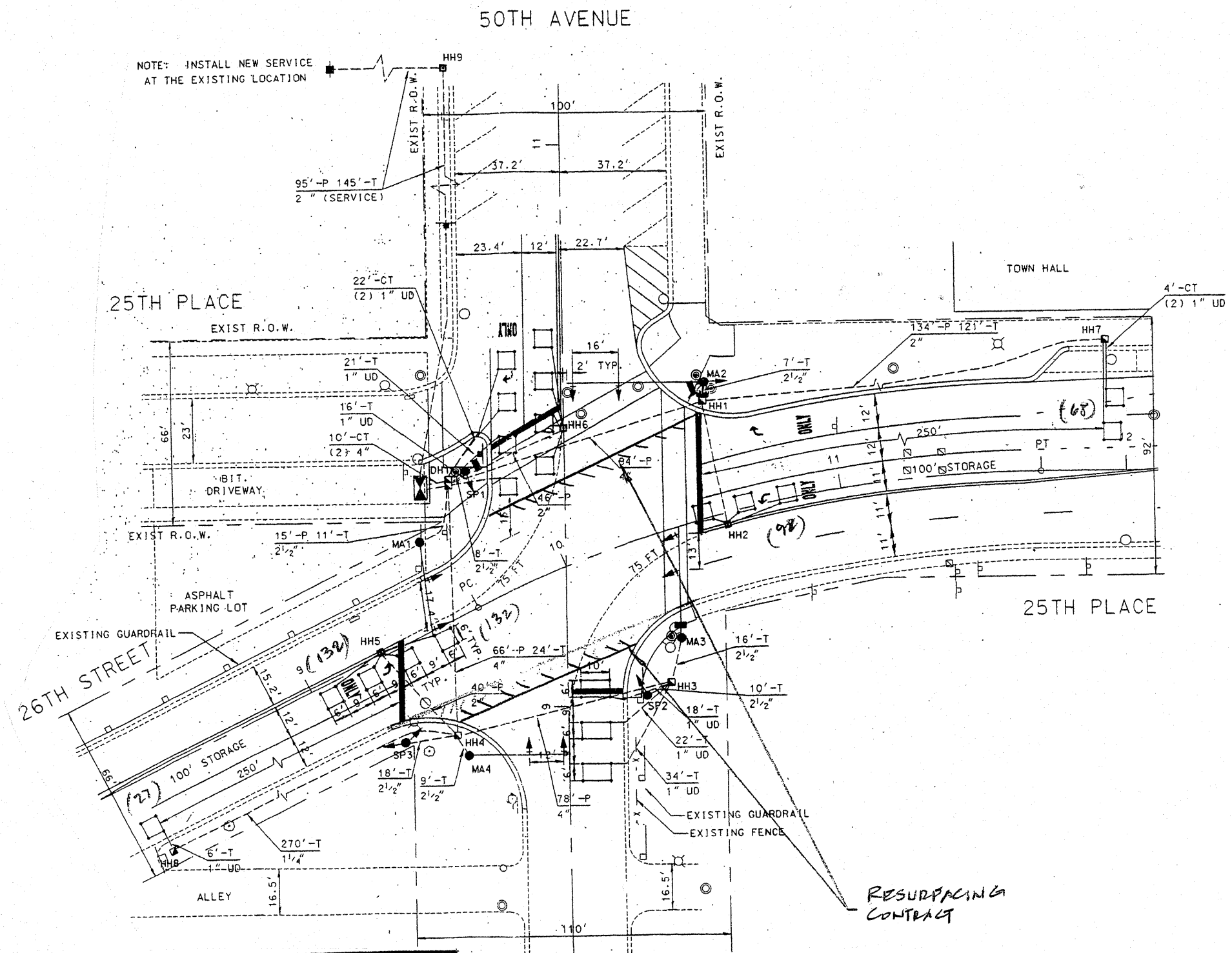


**NOTE:** LOOPS FOR THIS INTERSECTION WILL BE DETERMINED IN-FIELD. NO RECORD PLANS SHOW LOOPS AT THIS LOCATION.

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

CODE NO.	QUANTITY	UNIT	ITEM
88600600	(SEE NOTE)	FOOT	DETECTOR LOOP REPLACEMENT

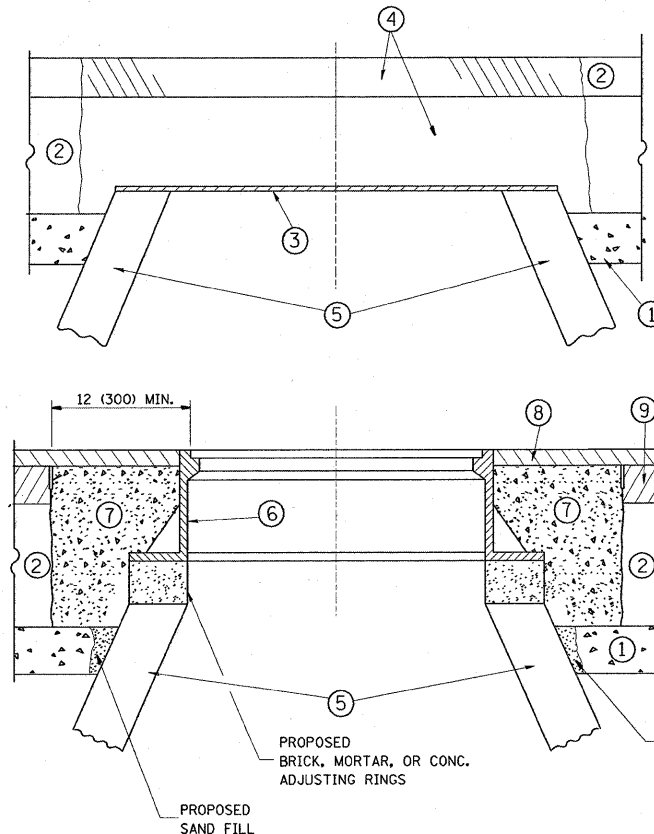
**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF  
 REPLACING THE DETECTOR LOOPS ONLY.  
 ALL OTHER INFORMATION SHOWN IS NOT  
 RELATED AND WILL BE DISREGARDED



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

CODE NO.	QUANTITY	UNIT	ITEM
88600600	325	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = gulllaumeff	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>26TH STREET /25TH PLACE (IL 43 TO IL 50) 26TH STREET &amp; 50TH AVENUE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\work\p\w\DOT\GULLLAUMEFF\0117416	11/20/04-04/20/05	DRAWN -	REVISED -			1459	(0505.1, 0606 & 0707) RS-12	COOK	32	21	
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -			<b>CONTRACT NO. 62818</b>					
	PLOT DATE = 1/25/2009	DATE -	REVISED -			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT					



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

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

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

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

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

**NOTES:**

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

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

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

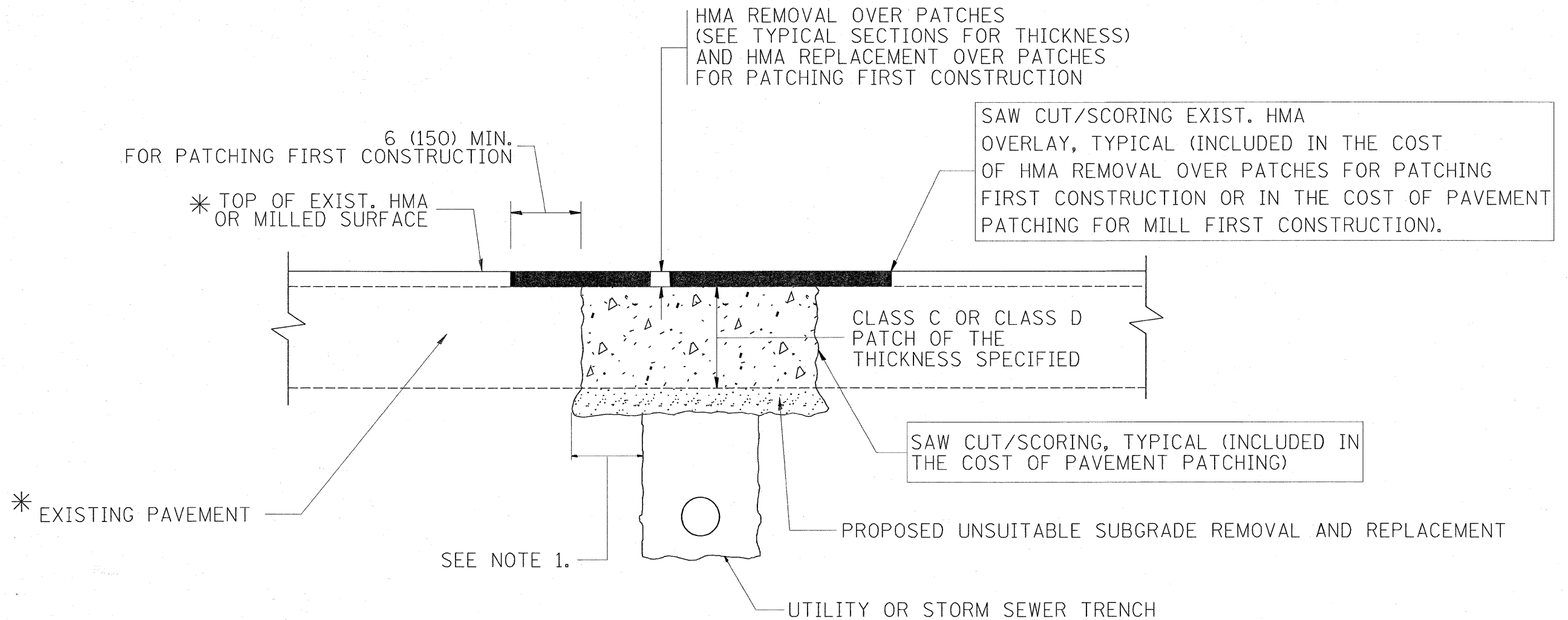
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = guillaumefp	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\PWIDOT\GUILLAUMEFP\0117416\1stStd.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97			1459	10505.1, 0606 & 0707) RS-12	COOK	32	22	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - R. WIEDEMAN 05-14-04			<b>BD600-03 (BD-8)</b>		CONTRACT NO. 62818			
PLOT DATE = 1/13/2009		DATE - 10-25-94	REVISED - R. BORO 01-01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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 =	USER NAME = gulloumefp	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw_work\PWIDOT\GULLLAUMEFP\d0117416\stStd.dgn	DRAWN -	REVISED - R. BORO 01-01-07	1459				(0505.1, 0606 & 0707) RS-12	COOK	32	23	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07	<b>BD400-04 (BD-22)</b>				CONTRACT NO. 62818				
PLOT DATE = 1/13/2009	DATE - 10-25-94	REVISED - K. ENG 10-27-08	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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)

1/4" (5) \*\*

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

T/2 \*

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (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.

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.)

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

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

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.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

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

④ 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.

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).

⑤ 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.

**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".

⑥ 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.

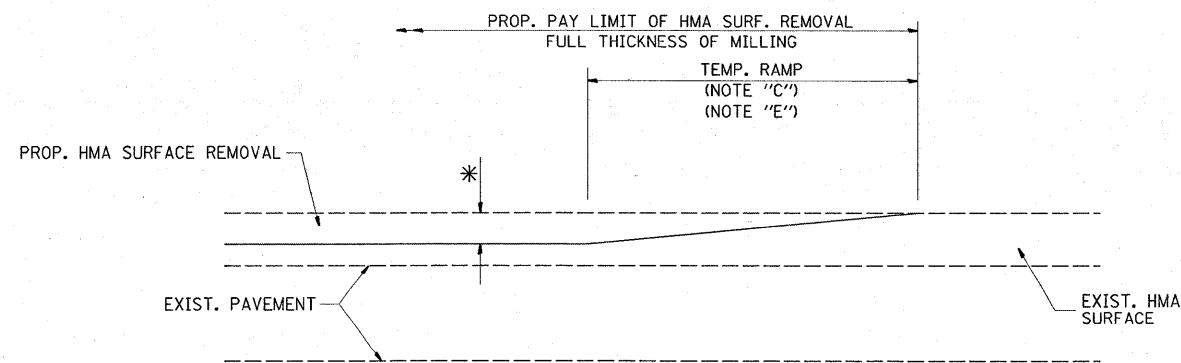
⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

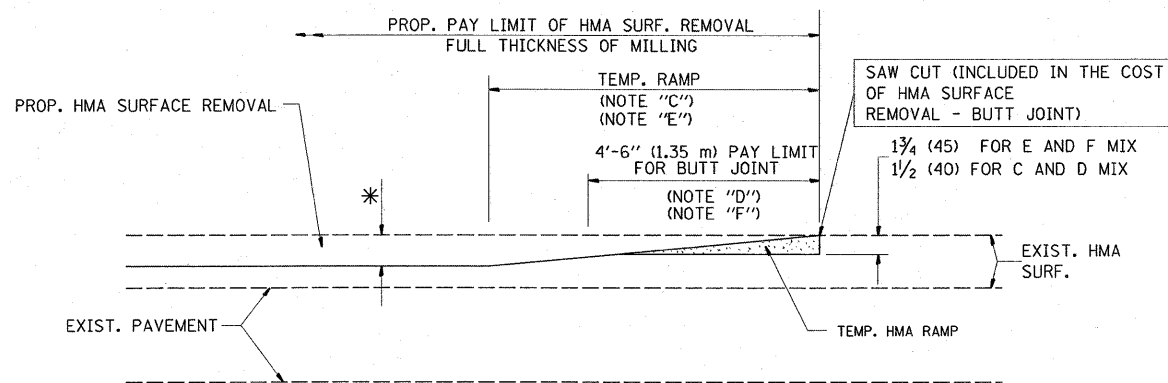
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es:\pw_work\PWIDOT\GUILLAUMEFP\0117416\stStd.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		1459	(0505.1, 0606 & 0707) RS-12	COOK	32	24			
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - M. GOMEZ 01-22-01		<b>BD600-06 (BD-24)</b>			CONTRACT NO. 62818				
PLOT DATE = 1/13/2009		DATE - 03-11-94	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





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

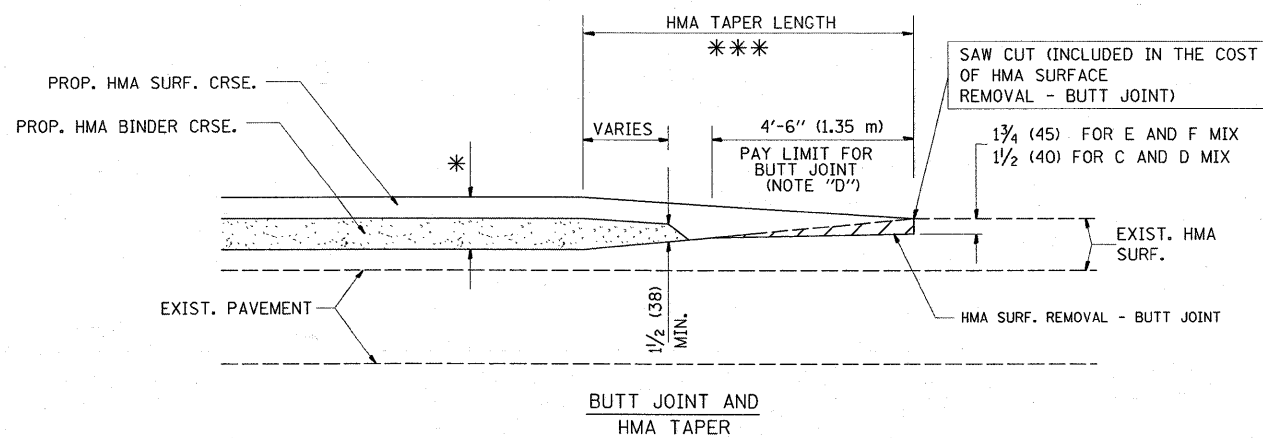
**OPTION 1**



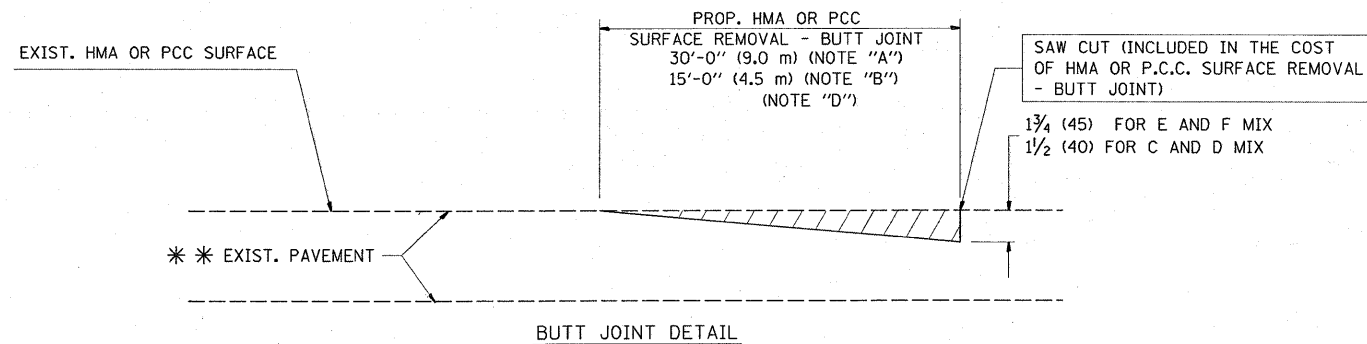
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

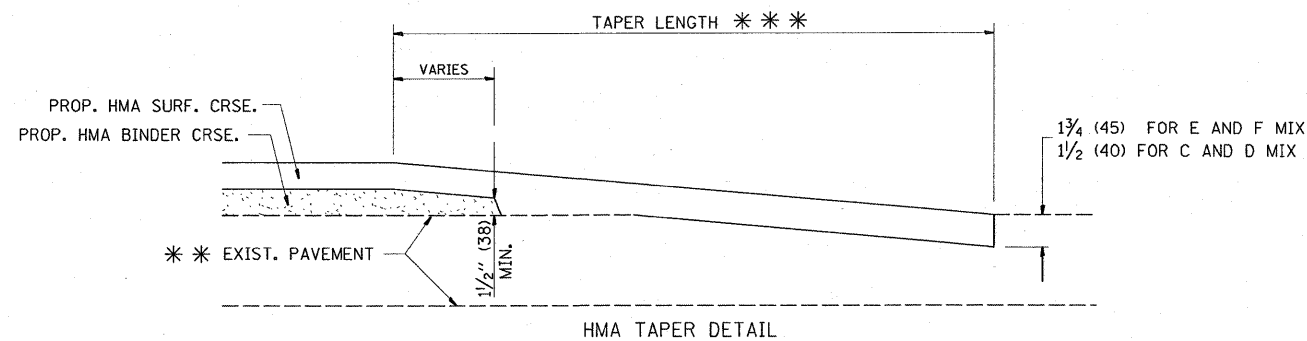
**TYPICAL TEMPORARY RAMP**



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



BUTT JOINT DETAIL



HMA TAPER DETAIL

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

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

**NOTES**

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

**BASIS OF PAYMENT:**

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

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

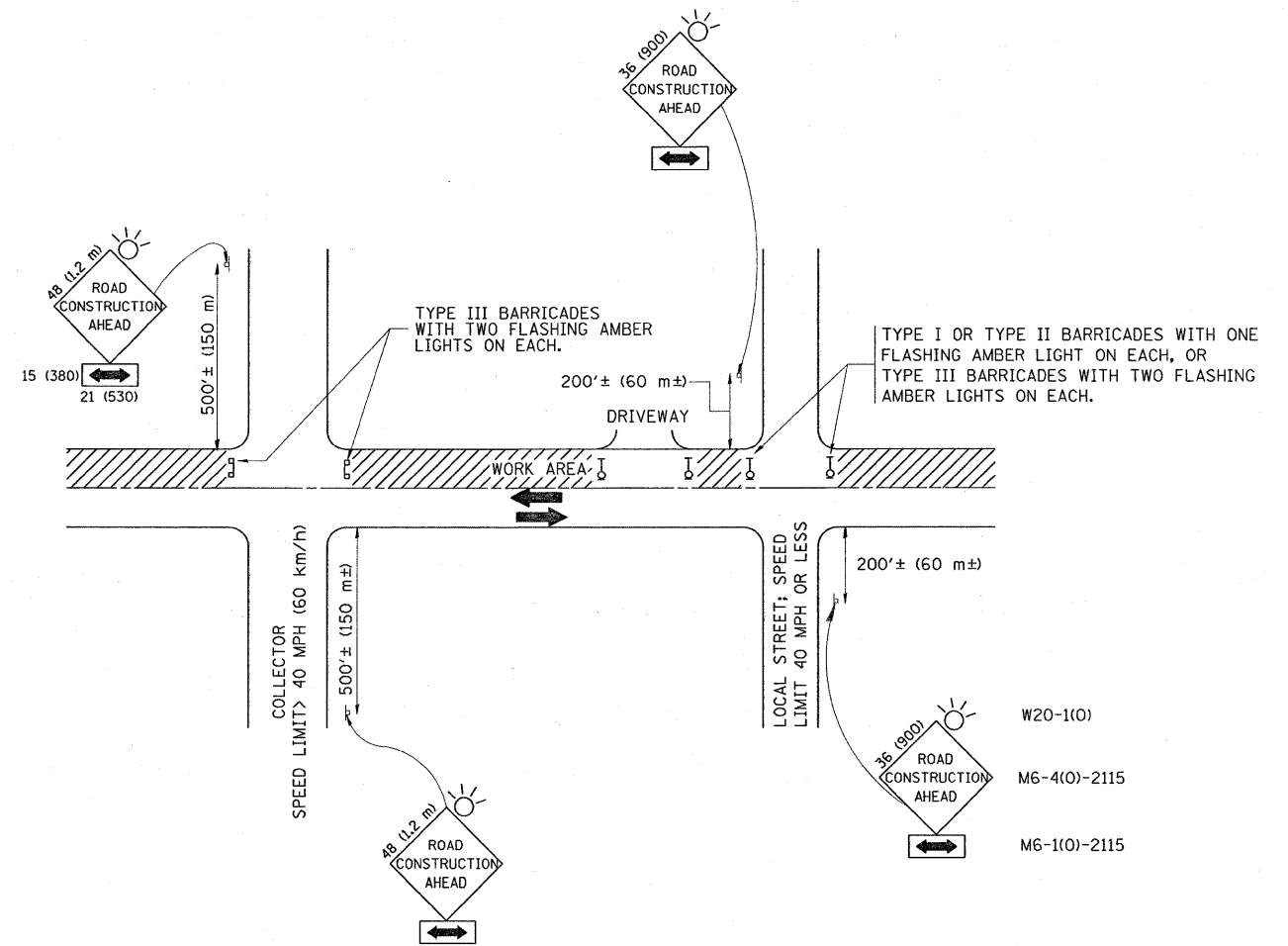
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ca:\pw_work\PWIDOT\GULLLAUMEFF\0117416\ststd.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 1/13/2009		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	25
BD400-05 BD32			CONTRACT NO. 62818	
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

1. 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:

a) 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.

b) 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.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) 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.

b) 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.

3. 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.

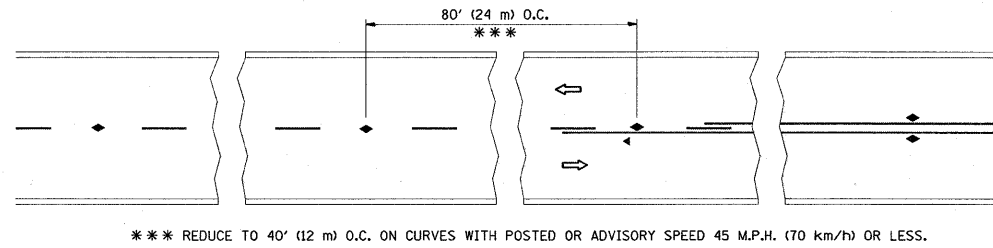
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c:\pwork\pwork\DOT\GUILLAUMEFP\0117416\	istStd.dgn	DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/13/2009	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

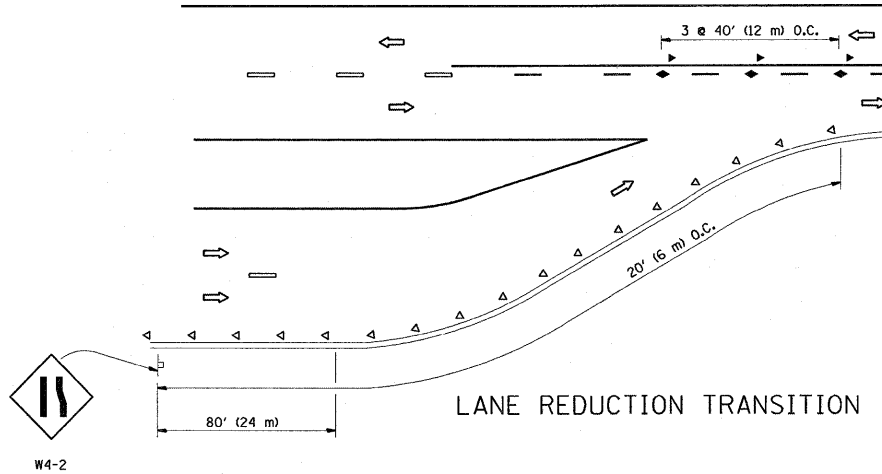
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	26
TC-10			CONTRACT NO. 62818	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

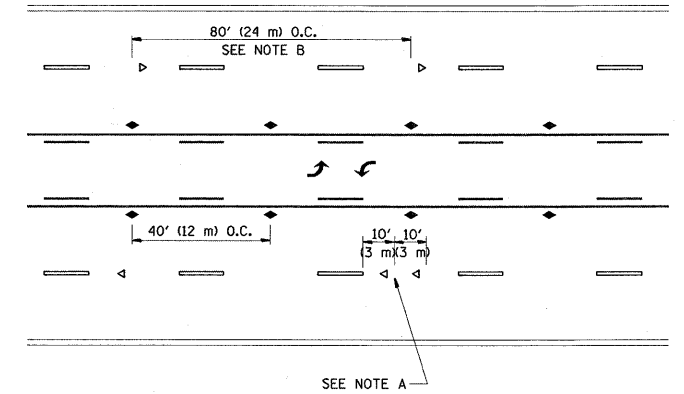


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

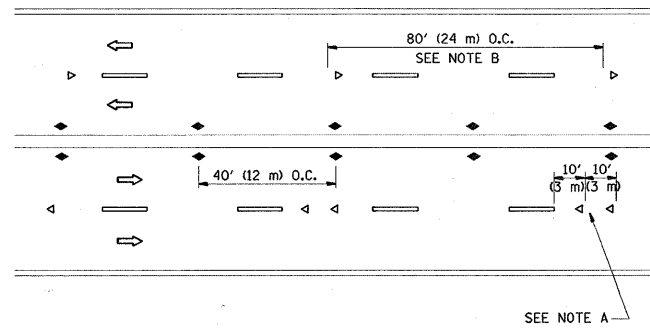
TWO-LANE/TWO-WAY



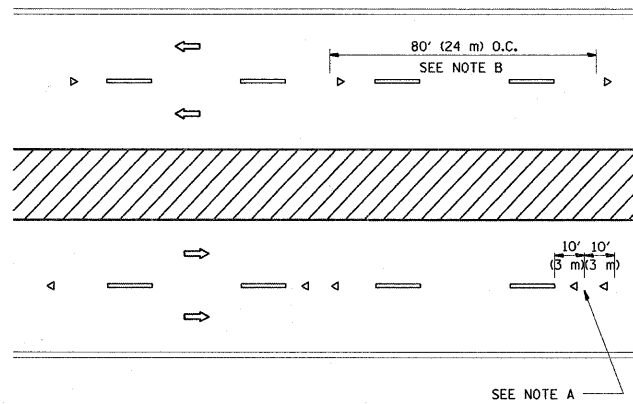
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

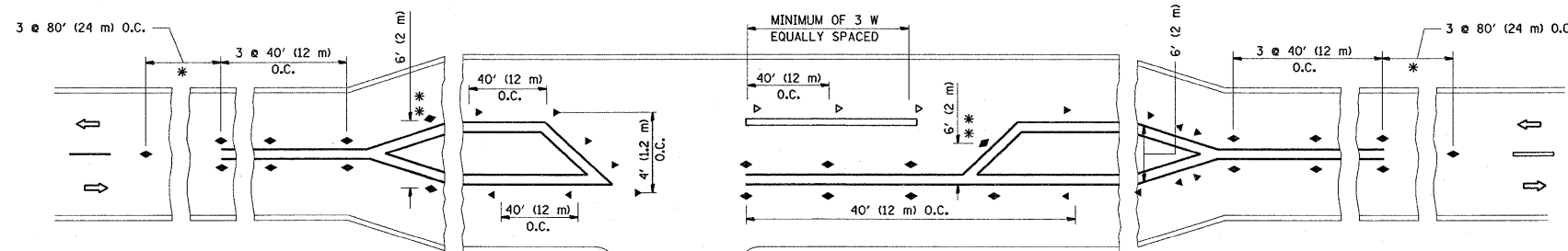
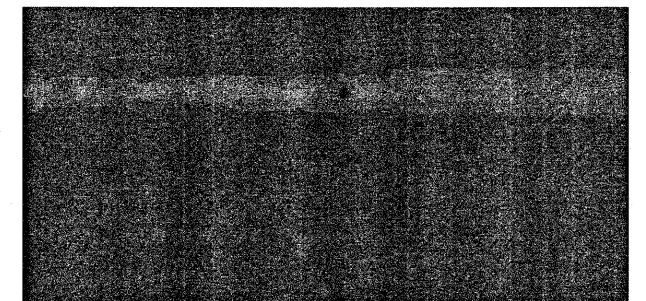
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE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

SYMBOLS

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

LANE MARKER NOTES

- 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.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.



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

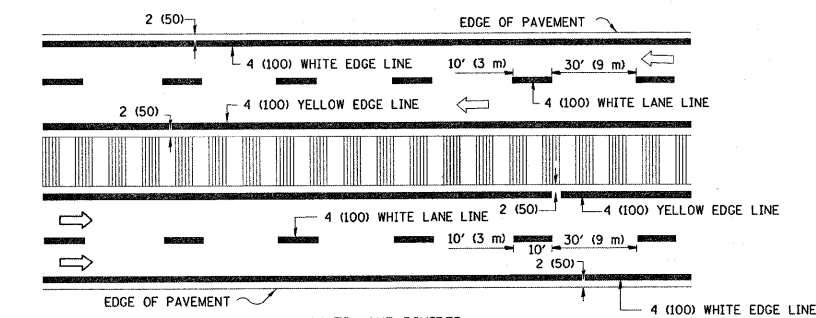
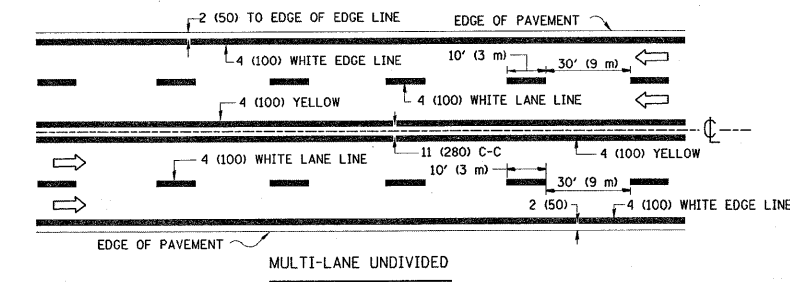
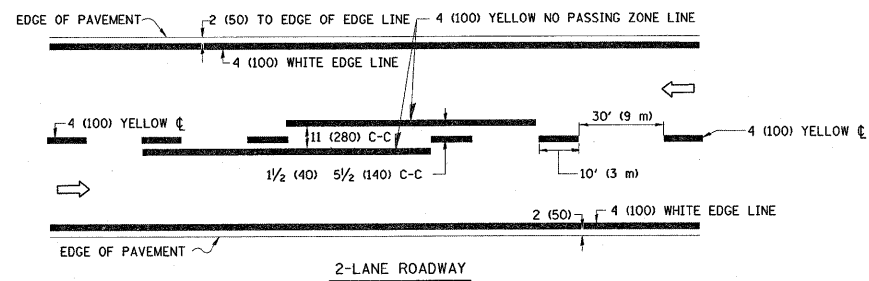
LEFT TURN

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

FILE NAME =	USER NAME = guillaumejp	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
cr\pw_work\PWIDOT\QUILLAUMEFP\d0117416\Std.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50.0000 1 / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 1/13/2009	DATE -	REVISED -

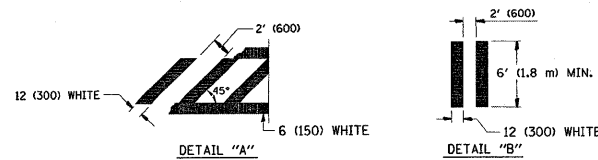
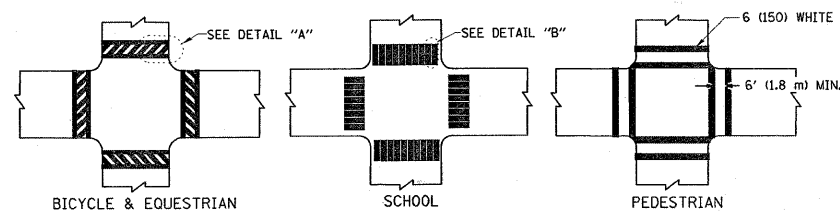
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	27
TC-11			CONTRACT NO. 62818	
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

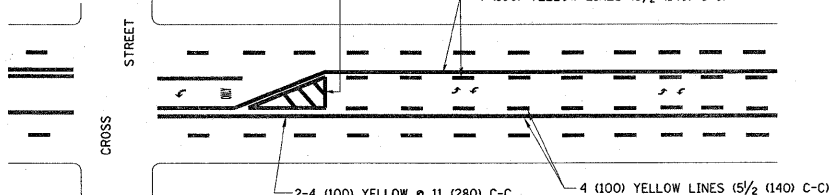
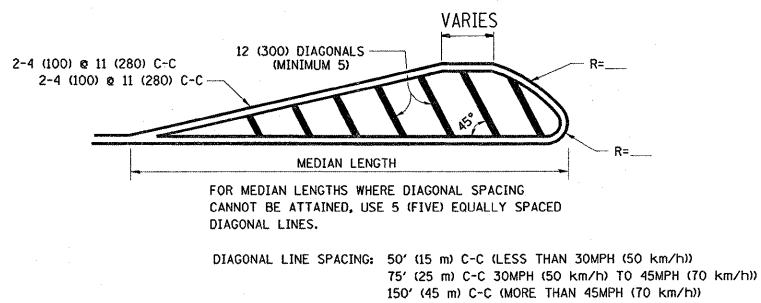
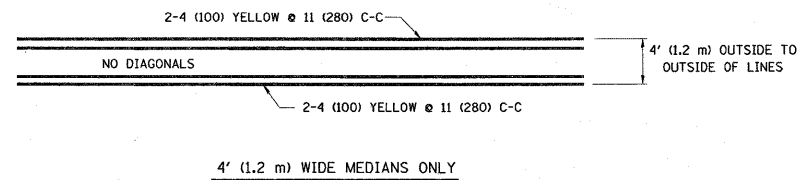


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

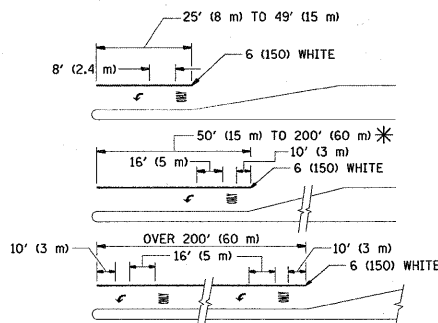


TYPICAL CROSSWALK MARKING



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

TYPICAL PAINTED MEDIAN MARKING

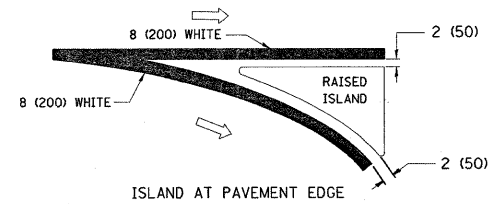
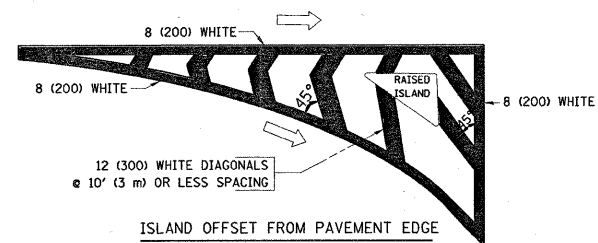


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* 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 LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

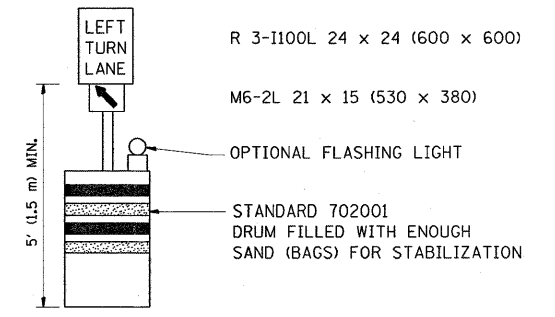
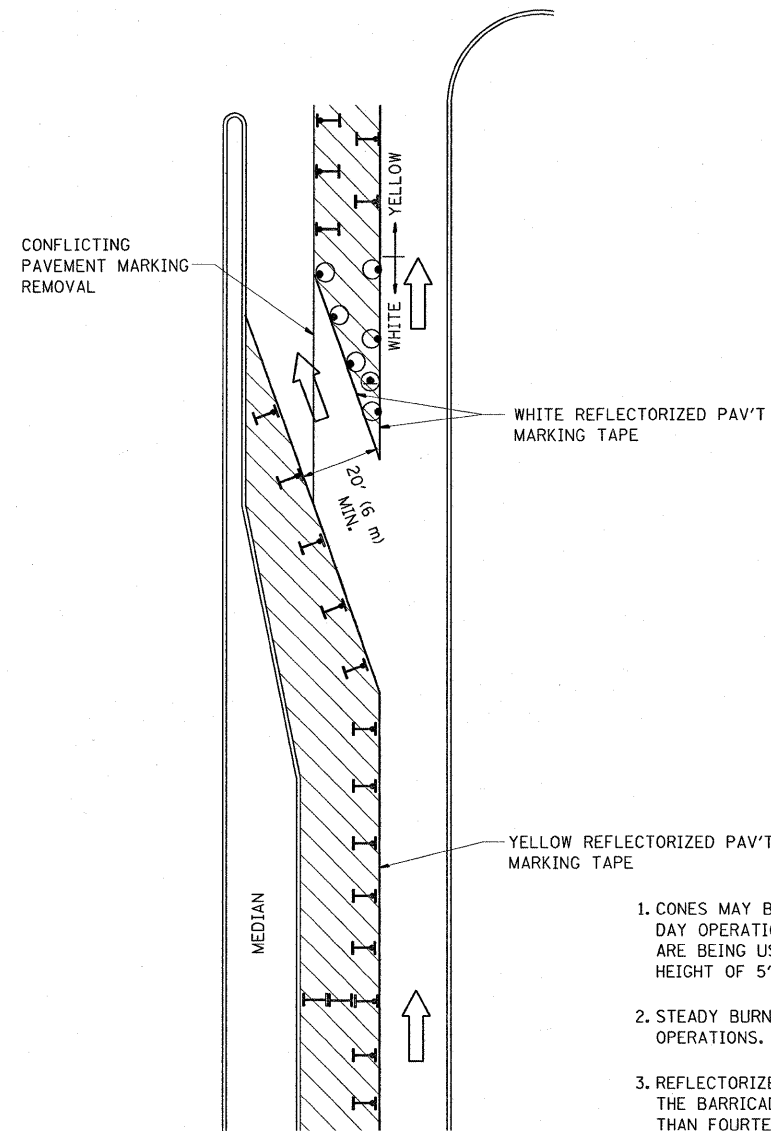


TYPICAL ISLAND MARKING

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 1/2 (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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	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 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" IS 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.



**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 BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

**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

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

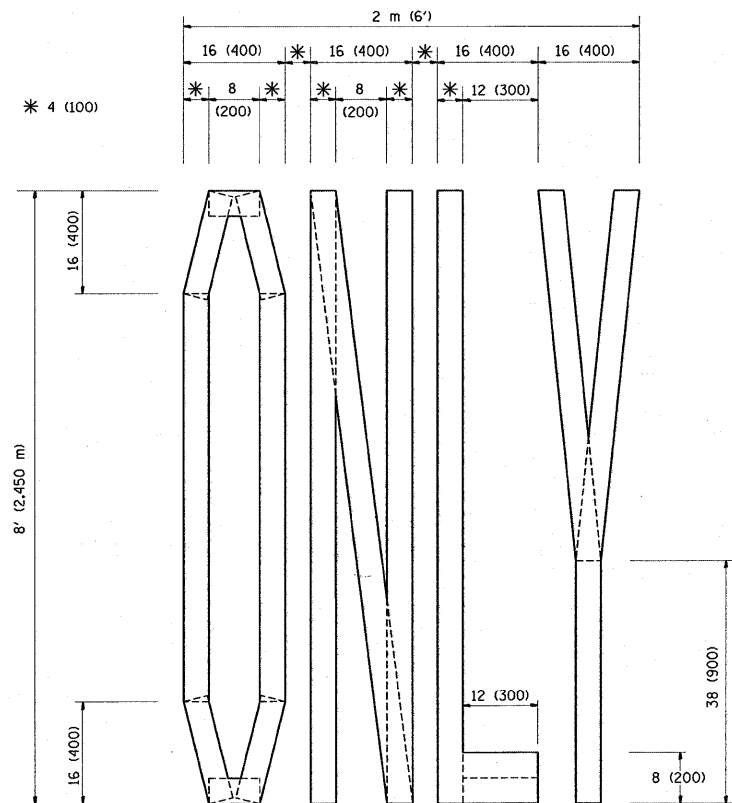
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c:\pw_work\PW1001\GUILLAUMEFP\d0117416\1stStd.dgn		DRAWN -	REVISED - A. HOUSEH 11-07-95
		PLOT SCALE = 50.0000 / / IN.	REVISED - A. HOUSEH 10-12-96
		CHECKED -	REVISED -T. RAMMACHER 01-06-00
		PLOT DATE = 1/13/2009	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

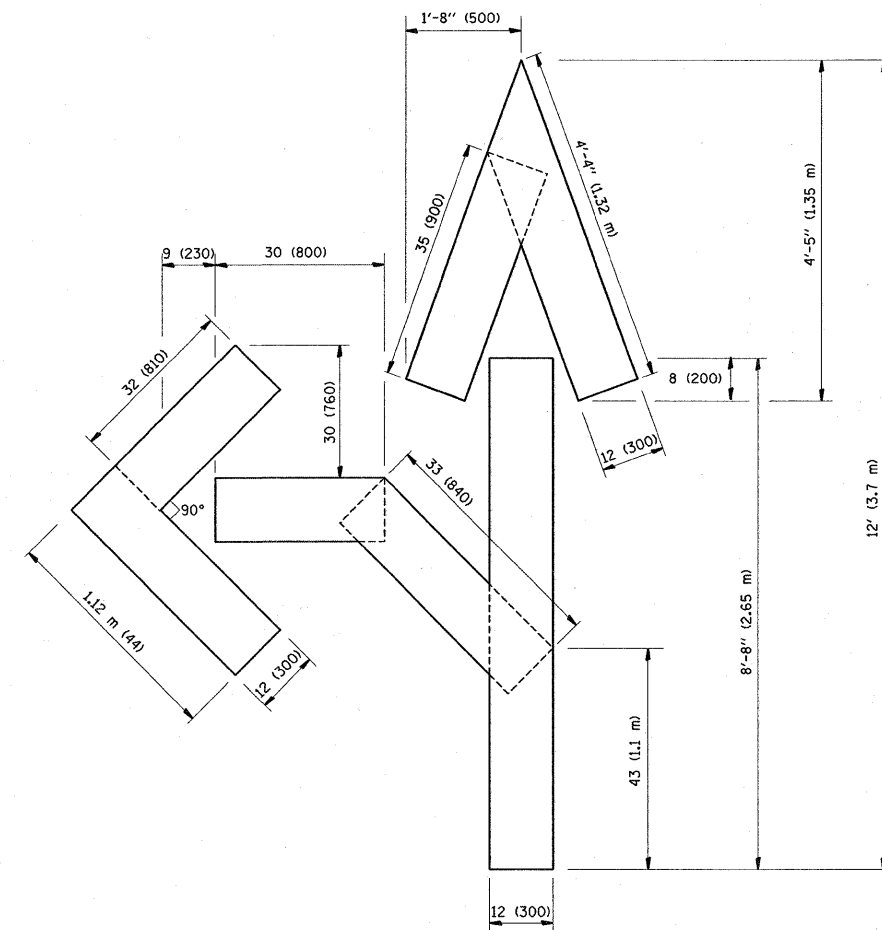
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

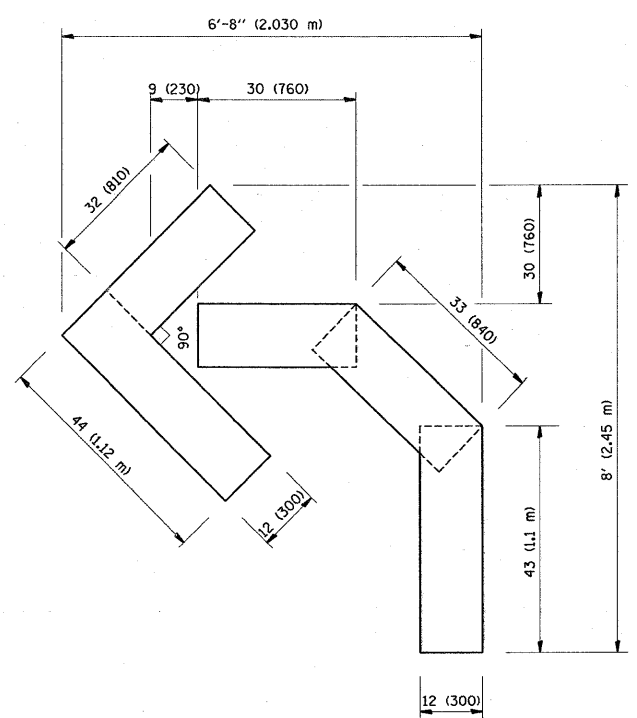
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	29
<b>TC-14</b>			<b>CONTRACT NO. 62818</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

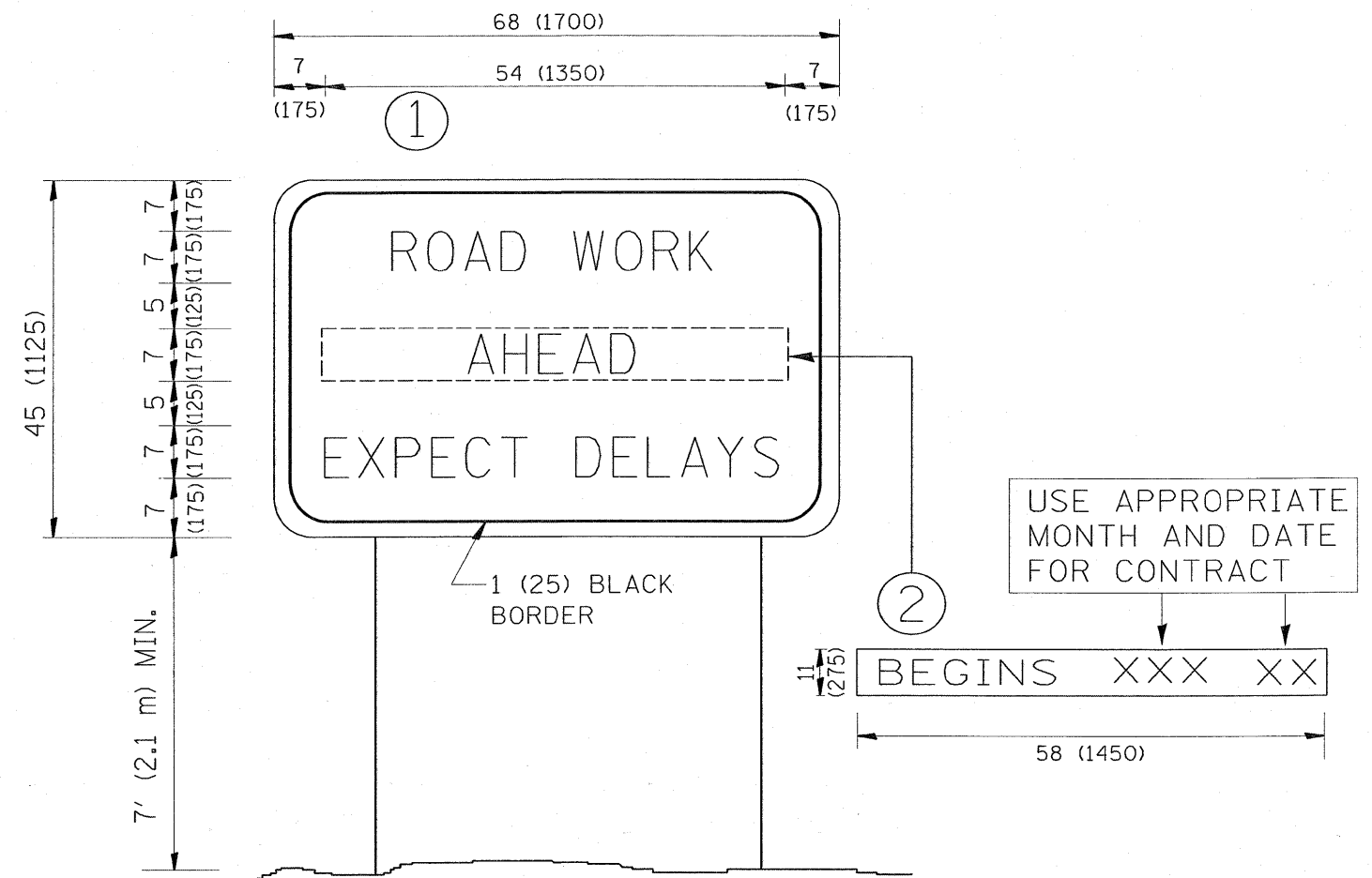
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cr:\pwork\p\1001\GUILLAUMEFP\d0117416	estStd.dgn	DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/13/2009	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1459	(0505.1, 0606 & 0707) RS-12	COOK	32	30
TC-16			CONTRACT NO. 62818	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**NOTES:**

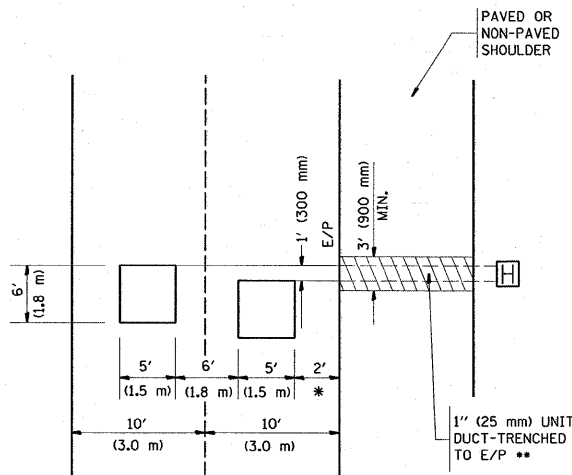
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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.

FILE NAME =	USER NAME = guillaumejp	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PWIDOT\GUILLAUMEFP\d0117416\stStd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97	1459			(0505.1, 0606 & 0707) RS-12	COOK	32	31	
PLLOT SCALE = 58.0000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	<b>TC-22</b>			CONTRACT NO. 62818				
PLLOT DATE = 1/13/2009	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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.

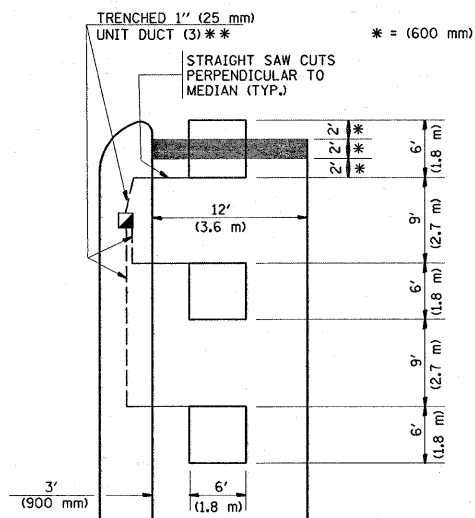


\* = (600 mm)

\*\* 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)**

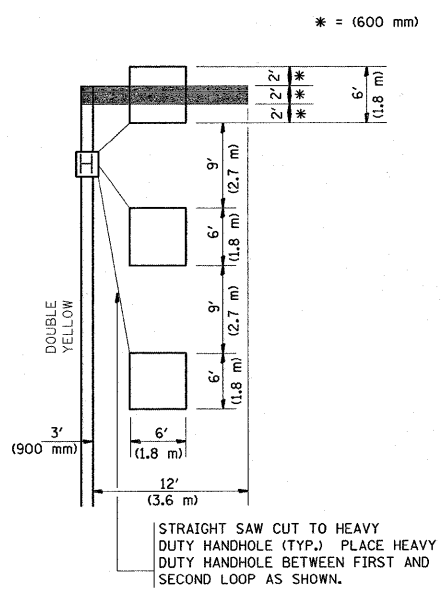
HANDHOLE LOCATION MAY  
VARY DEPENDING ON GEOMETRICS  
AND DESIGN OF TRAFFIC SIGNALS.  
HEAVY-DUTY HANDHOLES TO BE  
USED WHEN THE MEDIAN IS  
MOUNTABLE. REFER TO STANDARD  
814001 TO ENSURE THAT HANDHOLE  
FITS IN MEDIAN.



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

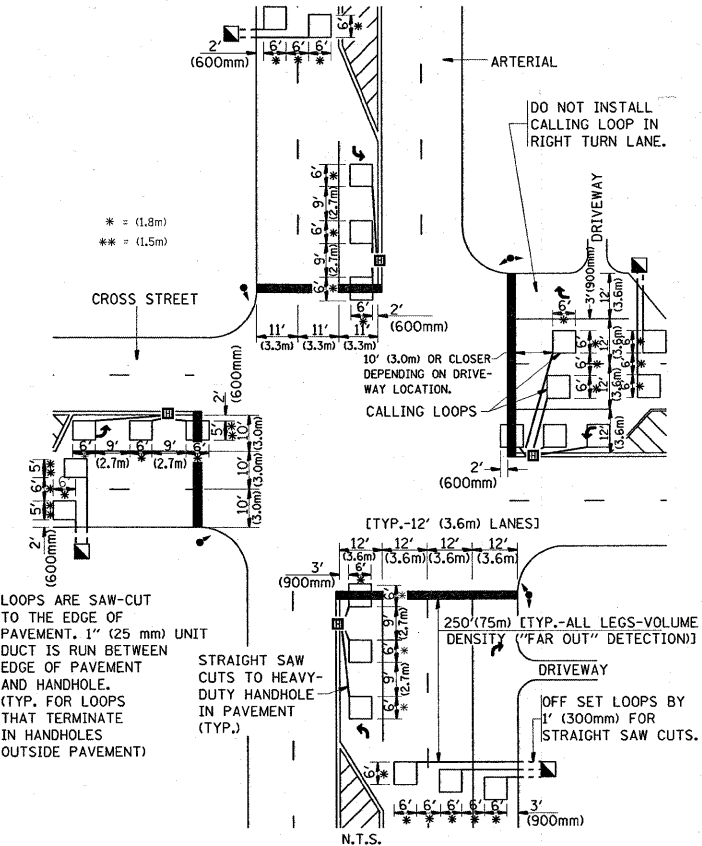
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO  
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



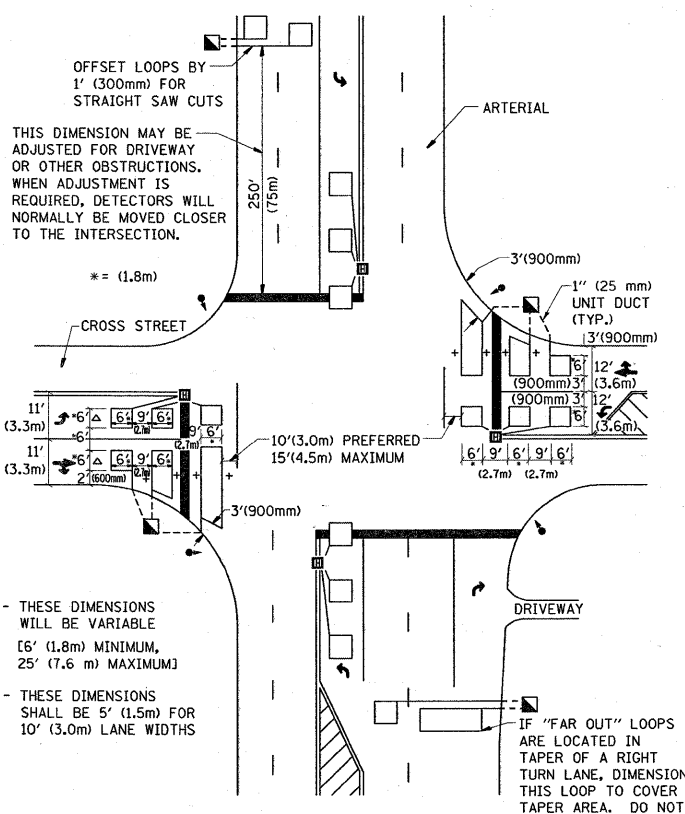
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO  
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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.

**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 SEPARATLY. 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.

**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.

FILE NAME =	USER NAME = guillaumejp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\p\work\p\dot\guillaumejp\08117416\0\sttd.dgn		DRAWN -	REVISED -			1459	(0505.1, 0606 & 0707) RS-12	COOK	32	32	
PLOT SCALE = 50.0000' / IN.		CHECKED - R.K.F.	REVISED -			<b>TS-07</b>		CONTRACT NO. 62818			
PLOT DATE = 1/13/2009		DATE -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		