

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

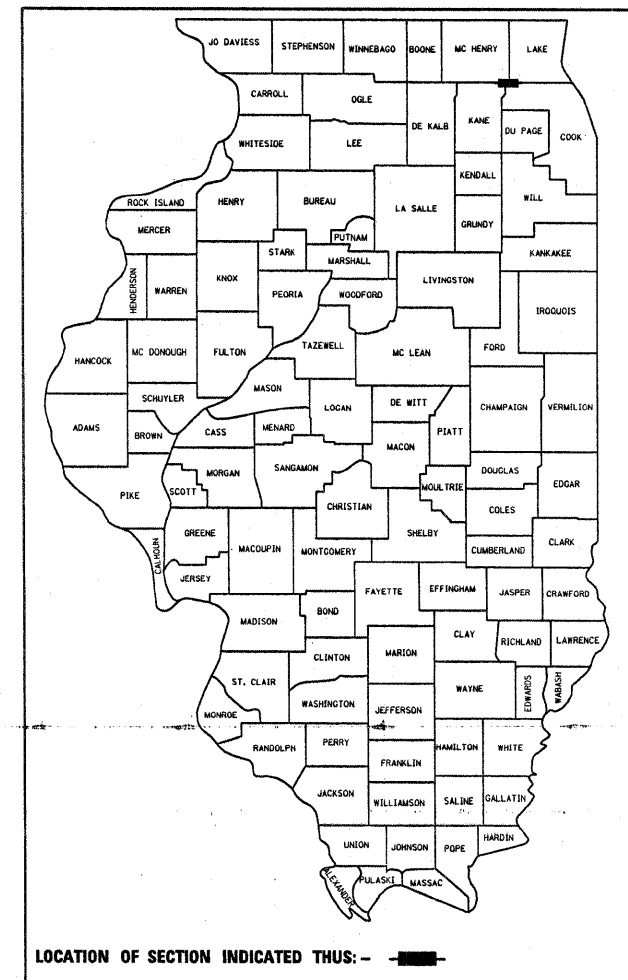
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF
BARRINGTON HILLS.

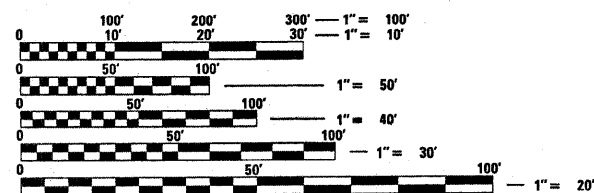
**FAP 339/ILL 62 (ALGONQUIN ROAD)
SECTION: 2009-088 I
ILL 25 TO ILL 68 (DUNDEE ROAD)
PAVEMENT MARKING, TRAFFIC SIGNAL
MODERNIZATION AND RUMBLE STRIPES
KANE /COOK COUNTY
PROJECT: HSIP-0339(026)
C-91-031-10**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2009-088 I	KANE/COOK	37	1
		ILLINOIS	CONTRACT NO. 60136	

D-91-031-10



LOCATION OF SECTION INDICATED THIS: - ■ -

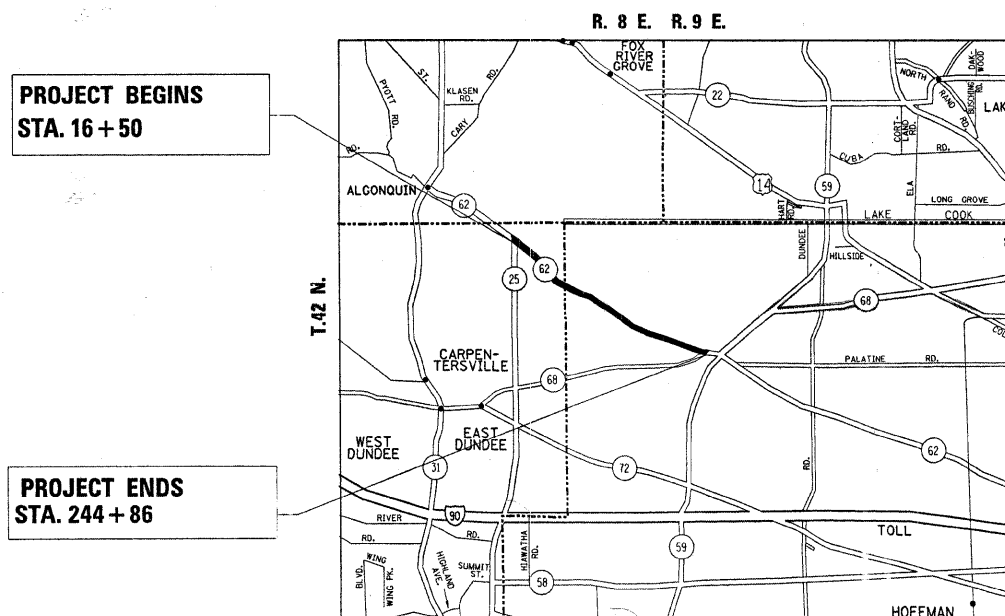


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER DAN WILGREEN (847) 705-4240
PROJECT MANAGER KEN ENG (847) 705-4247

CONTRACT NO. 60136



DUNDEE & BARRINGTON TOWNSHIP

TRAFFIC DATA
2007 ADT = 21,600
SPEED LIMIT = 55 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED DECEMBER 8, 2009

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

Scott P. Stettin
ENGINEER OF DESIGN AND ENVIRONMENT

Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GROSS AND NET LENGTH OF IMPROVEMENT = 22,836 FEET = 4.3 MILES

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, PLAN NOTES
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5 - 6	TYPICAL SECTIONS
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32	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
33	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
34	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
35	ARTERIAL ROAD INFORMATION
36	SHOULDER RUMBLE STRIPES FOR NON-FREEWAY
37	RUMBLE STRIPES FOR CENTERLINE NON-FREEWAY

LIST OF STATE STANDARDS

NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
701201-03	LANE CLOSURE, 2L, 2W, DAY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEED > 45MPH
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATION OF TYPES A & B POSTS
862001-01	UNINTERRUPTABLE POWER SUPPLY
878001-08	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS WITH POST AND BRACKET MOUNT

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES WITHIN THE VILLAGE OF BARRINGTON HILLS.

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

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT (847) 715-8419 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

THE CONTRACTOR SHALL CONTRACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO START OF WORK.

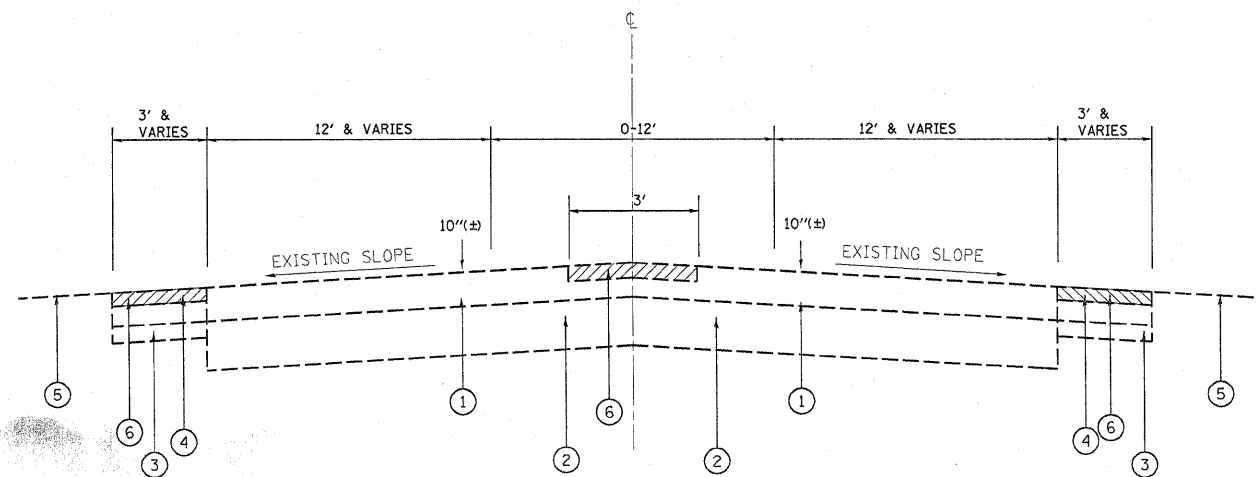
ALL PAVEMENT MARKING AND SIGN PANEL LOCATIONS ARE TO BE VERIFIED AND RECORDED PRIOR TO REMOVAL.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)

FILE NAME =	USER NAME = banks1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILL. RTE. 62 (ILL 25 - ILL 68 (DUNDEE RD)) INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et\pwork\pwork\banks1\0161598\0103110	sht-plan.dgn	DRAWN -	REVISED -			339	2009-088 I	KANE/COOK	37	2	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 60136					
	PLOT DATE = 12/17/2009	DATE -	REVISED -			SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES 90% FED 10% STATE	KANE COUNTY SFTY-2A	COOK COUNTY SFTY-2A	KANE COUNTY Y031-1F	COOK COUNTY Y031-1F	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES 90% FED 10% STATE	KANE COUNTY SFTY-2A	COOK COUNTY SFTY-2A	KANE COUNTY Y031-1F	COOK COUNTY Y031-1F
* X0325714	POST MOUNTED FLASHING BEACON, SOLAR-POWERED INSTALLATION	EACH	6				6	* 72000100	SIGN PANEL - TYPE 1	SO FT	754	215	474	20	45
* X8808184	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1				1	* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	4				4
* X8803080	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED, RETROFIT	EACH	2				2	* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	725	215	465	20	25
20201006	GRADING AND SHAPING SHOULDERS	UNIT	110	32	78			* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	38				38
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	278	255	23			* 72900200	METAL POST - TYPE B	FOOT	24				24
20400800	FURNISHED EXCAVATION	CU YD	150	100	50			* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	218		218		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	400	267	133			* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	97346	25000	72346		
25000210	SEEDING, CLASS 2A	ACRE	0.09	0.06	0.03			* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	520		520		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8.1	5.4	2.7			* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	125		125		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	8.1	5.4	2.7			* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1072		1072		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8.1	5.4	2.7			* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	38		38		
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SO YD	941	941				* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	570	160	410		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7	1	6			* 78200420	GUARDRAIL MARKERS, TYPE B	EACH	20	12	8		
40600300	AGGREGATE (PRIME COAT)	TON	36	6	30			* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	20	12	8		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	26	4	22			78300100	PAVEMENT MARKING REMOVAL	SO FT	6200		6200		
40600895	CONSTRUCTING TEST STRIP	EACH	1	0.4	0.6			78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	477	128	349		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1935	297	1638			* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5			1	4
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	17268	2650	14618			* 85000500	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1				1
44004250	PAVED SHOULDER REMOVAL	SO YD	315	315				* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4				4
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	219	63	156			* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16				16
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	941	941				* 88025150	COMBINATION SIGNAL HEAD, 2-FACE, 1-4 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1				1
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	20	12	8			* 88025180	COMBINATION SIGNAL HEAD, 2-FACE, 1-5 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1				1
63200310	GUARDRAIL REMOVAL	FOOT	975	600	375			* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	26			7	19
64200105	SHOULDER RUMBLE STRIP	FOOT	30794	11790	19004			* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7				7
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	4			* 88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4				4
67100100	MOBILIZATION	L SUM	1	0.4	0.6			* 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	6				6
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.4	0.6			* SPECIALTY ITEMS							
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.4	0.6										
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6672	2272	4400										
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2225	758	1467										

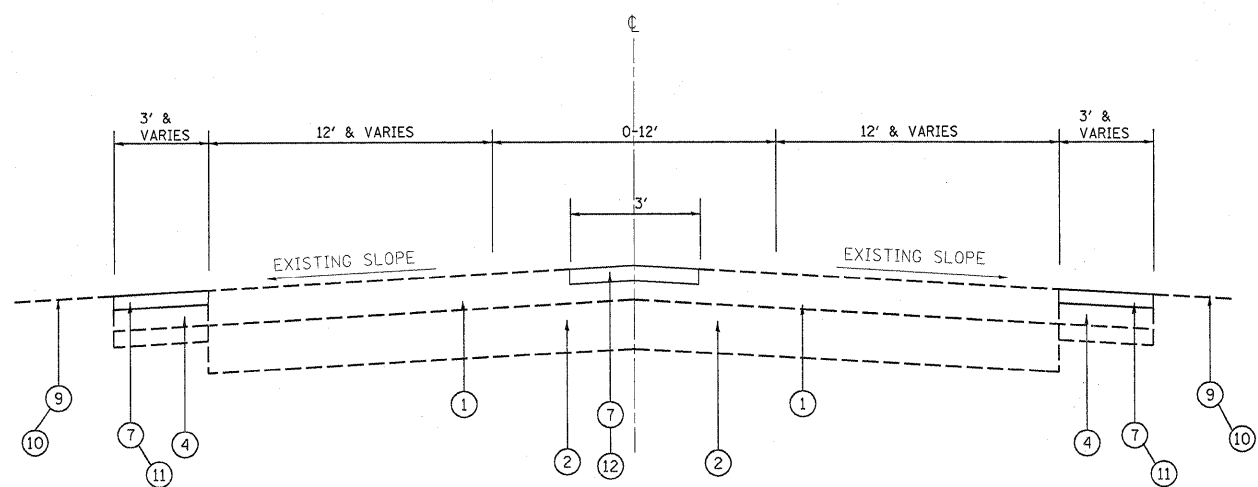
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES 90% FED 10% STATE	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		KANE COUNTY SFTY-2A	COOK COUNTY SFTY-2A	KANE COUNTY Y031-1F	COOK COUNTY Y031-1F	CODE NO	ITEM	UNIT						
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1										
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	12			3	9									
* 88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4			2	2									
* 88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1										
* 88030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1				1									
* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3			1	2									
* 88030250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1				1									
* 88030310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1				1									
* 88030330	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION BRACKET MOUNTED	EACH	2				2									
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	51			10	41									
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5			1	4									
X0322256	TEMPORARY INFORMATION SIGNING	SO FT	51.4	25.7	25.7											
X0325866	CENTER LINE - RUMBLE STRIP	FOOT	18450	6250	12200											
* X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	5			1	4									
* X8808118	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1				1									
* X8808120	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5				5									
* X8808121	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1				1									
* SPECIALTY ITEMS																



ILL. 62

EXISTING TYPICAL SECTION

STA. 16+50 TO STA. 26+00 LT.	STA. 17+75 TO STA. 26+00 RT.
STA. 33+00 TO STA. 34+50 LT.	STA. 28+00 TO STA. 31+65 RT.
STA. 42+00 TO STA. 59+00 LT.	STA. 34+00 TO STA. 39+00 RT.
STA. 63+00 TO STA. 71+00 LT.	STA. 40+59 TO STA. 55+00 RT.
STA. 79+00 TO STA. 244+00 LT.	STA. 62+47 TO STA. 67+50 RT.
	STA. 79+00 TO STA. 244+86 RT.



ILL. 62

PROPOSED TYPICAL SECTION

STA. 16+50 TO STA. 26+00 LT.	STA. 17+75 TO STA. 26+00 RT.
STA. 33+00 TO STA. 34+50 LT.	STA. 28+00 TO STA. 31+65 RT.
STA. 42+00 TO STA. 59+00 LT.	STA. 34+00 TO STA. 39+00 RT.
STA. 63+00 TO STA. 71+00 LT.	STA. 40+59 TO STA. 55+00 RT.
STA. 79+00 TO STA. 244+00 LT.	STA. 62+47 TO STA. 67+50 RT.
	STA. 79+00 TO STA. 244+86 RT. * *

LEGEND

- | | |
|---|---|
| ① EXISTING HOT-MIX ASPHALT SURFACE, 10" (+/-) | ⑧A PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL |
| ② EXISTING P.C.C. BASE COURSE, 8" (+/-) | ⑨ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B (WHERE NECESSARY) |
| ③ EXISTING SUBBASE MATERIAL | ⑩ PROPOSED GRADING AND SHAPING SHOULDERS (WHERE NECESSARY) |
| * ④ EXISTING HOT-MIX ASPHALT SHOULDER, 8" | ⑪ PROPOSED SHOULDER RUMBLE STRIPES, (16" WIDE) |
| ⑤ EXISTING AGGREGATE OR GRASS SHOULDER | ⑪A PROPOSED SHOULDER RUMBLE STRIPES, (8" WIDE) |
| ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2" | ⑫ PROPOSED CENTERLINE RUMBLE STRIPES, (16" WIDE) |
| ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" | ⑬ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" |
| ⑧ PROPOSED PAVED SHOULDER REMOVAL | ⑭ PROPOSED SUBBASE GRANULAR MATERIAL TYPE B, 4" |

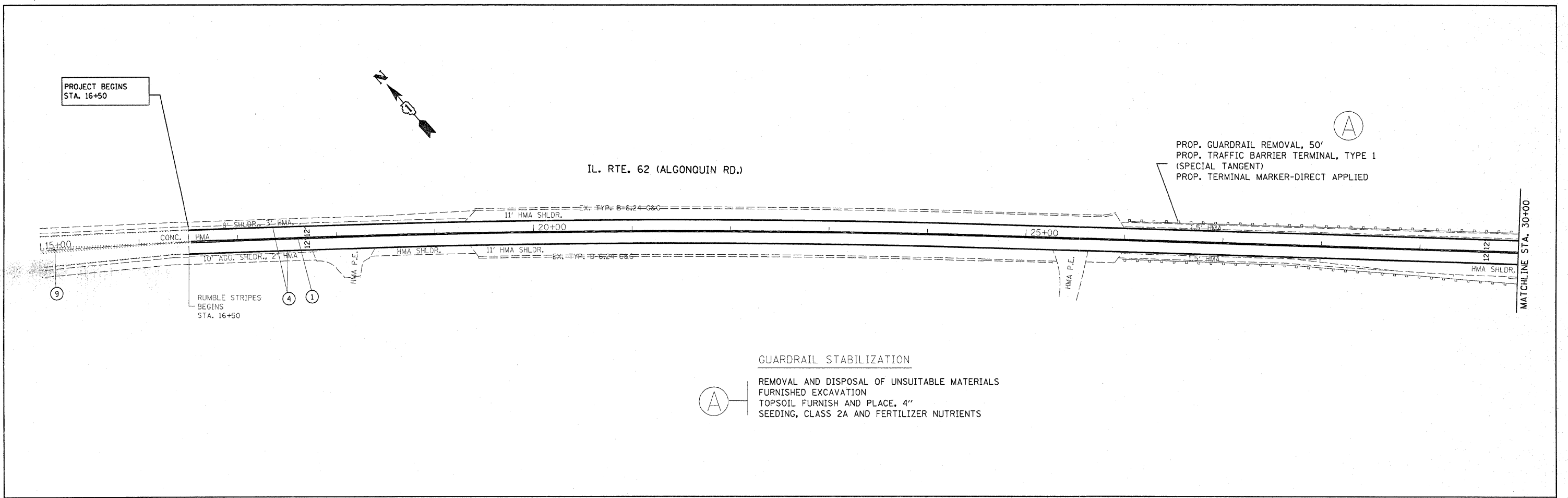
HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS(%)
SHOULDER RESURFACING & CENTERLINE PATCHING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5MM), 2"	4% @ 70 GYR.
HMA SHOULDER	
HOT-MIX ASPHALT SHOULDER, 8" (HMA BINDER, IL-19MM)	2% @ 30 GYR.

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

"THE "AC TYPE" FOR POLYMERIZED HMA MIXES 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."
 "FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS."

NOTE:

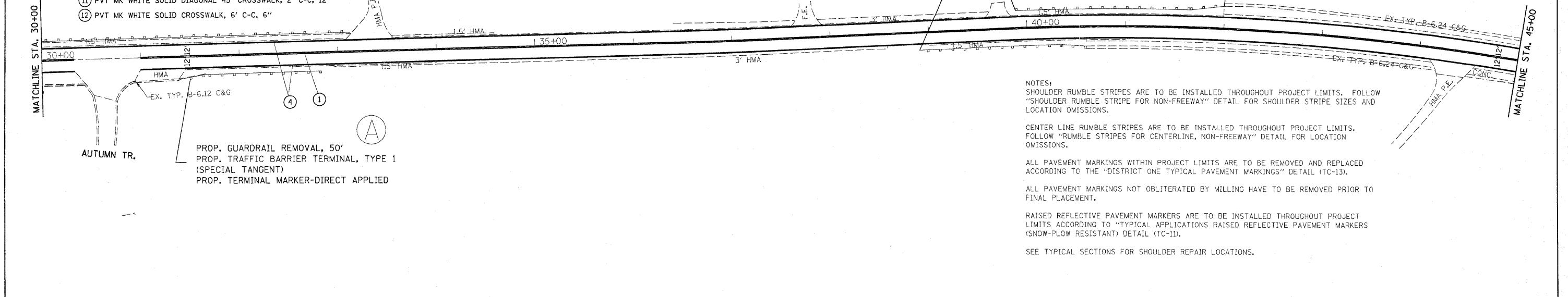
- * WHERE HMA SHOULDERS ARE > 7' WIDE, ONLY MILL 3'.
- ** ALL PROPOSED RUMBLE STRIPES TO END AT STA. 235+06



GUARDRAIL STABILIZATION
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
 FURNISHED EXCAVATION
 TOPSOIL FURNISH AND PLACE, 4"
 SEEDING, CLASS 2A AND FERTILIZER NUTRIENTS

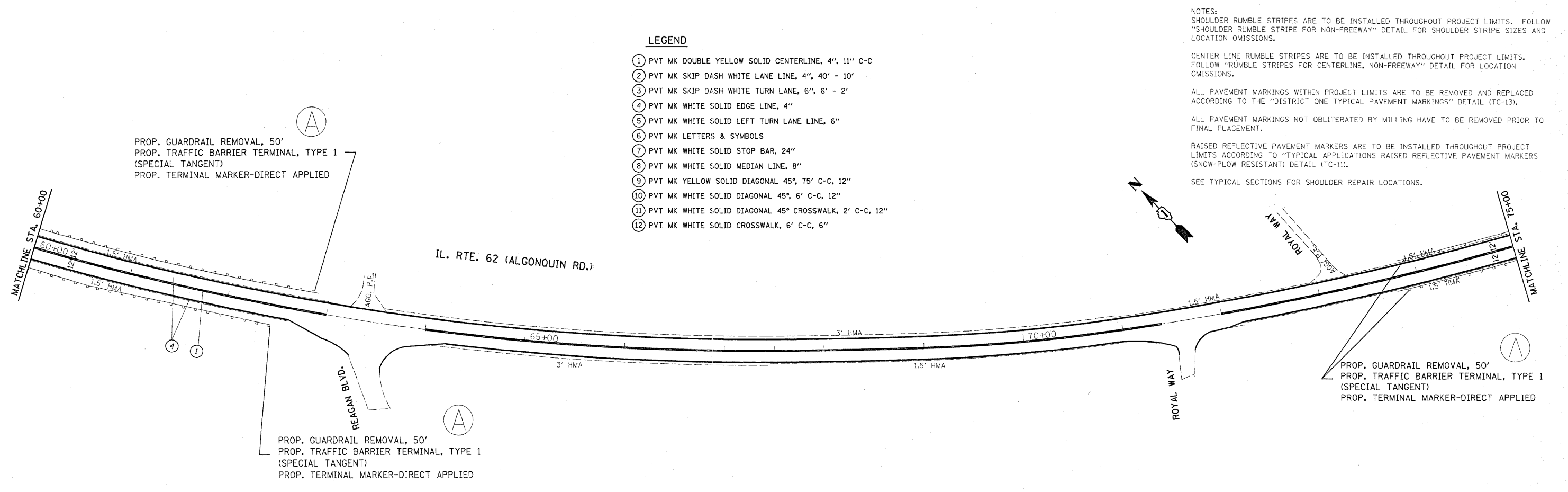
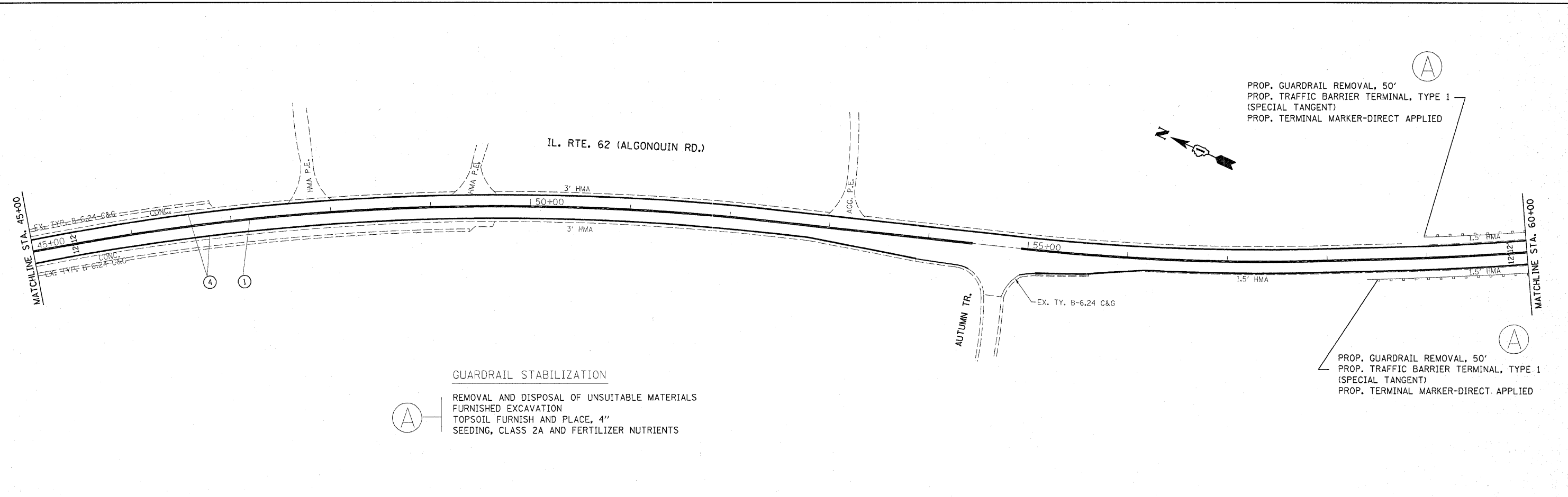
LEGEND

- 1 PVT MK DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- 2 PVT MK SKIP DASH WHITE LANE LINE, 4", 40' - 10'
- 3 PVT MK SKIP DASH WHITE TURN LANE, 6", 6' - 2'
- 4 PVT MK WHITE SOLID EDGE LINE, 4"
- 5 PVT MK WHITE SOLID LEFT TURN LANE LINE, 6"
- 6 PVT MK LETTERS & SYMBOLS
- 7 PVT MK WHITE SOLID STOP BAR, 24"
- 8 PVT MK WHITE SOLID MEDIAN LINE, 8"
- 9 PVT MK YELLOW SOLID DIAGONAL 45°, 75' C-C, 12"
- 10 PVT MK WHITE SOLID DIAGONAL 45°, 6' C-C, 12"
- 11 PVT MK WHITE SOLID DIAGONAL 45° CROSSWALK, 2' C-C, 12"
- 12 PVT MK WHITE SOLID CROSSWALK, 6' C-C, 6"



NOTES:
 SHOULDER RUMBLE STRIPES ARE TO BE INSTALLED THROUGHOUT PROJECT LIMITS. FOLLOW "SHOULDER RUMBLE STRIPE FOR NON-FREEWAY" DETAIL FOR SHOULDER STRIPE SIZES AND LOCATION OMISSIONS.
 CENTER LINE RUMBLE STRIPES ARE TO BE INSTALLED THROUGHOUT PROJECT LIMITS. FOLLOW "RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY" DETAIL FOR LOCATION OMISSIONS.
 ALL PAVEMENT MARKINGS WITHIN PROJECT LIMITS ARE TO BE REMOVED AND REPLACED ACCORDING TO THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL (TC-13).
 ALL PAVEMENT MARKINGS NOT OBLITERATED BY MILLING HAVE TO BE REMOVED PRIOR TO FINAL PLACEMENT.
 RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE INSTALLED THROUGHOUT PROJECT LIMITS ACCORDING TO "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLow RESISTANT) DETAIL (TC-1D).
 SEE TYPICAL SECTIONS FOR SHOULDER REPAIR LOCATIONS.

FILE NAME = c:\pwwork\pwwork\banks\1\0161580\0103116	USER NAME = banks	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 62 (ALGONQUIN RD.) IL. RTE 25 (ELGIN RD.) TO IL. RTE 68 (DUNDEE RD.)				F.A.P. RTE. 339	SECTION 2009-0881	COUNTY KANE, COOK	TOTAL SHEETS 37	SHEET NO. 6
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO. 0F	SHEETS	STA. 15+00	TO STA. 45+00	CONTRACT NO. 60136			
	PLOT DATE = 12/17/2009	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								

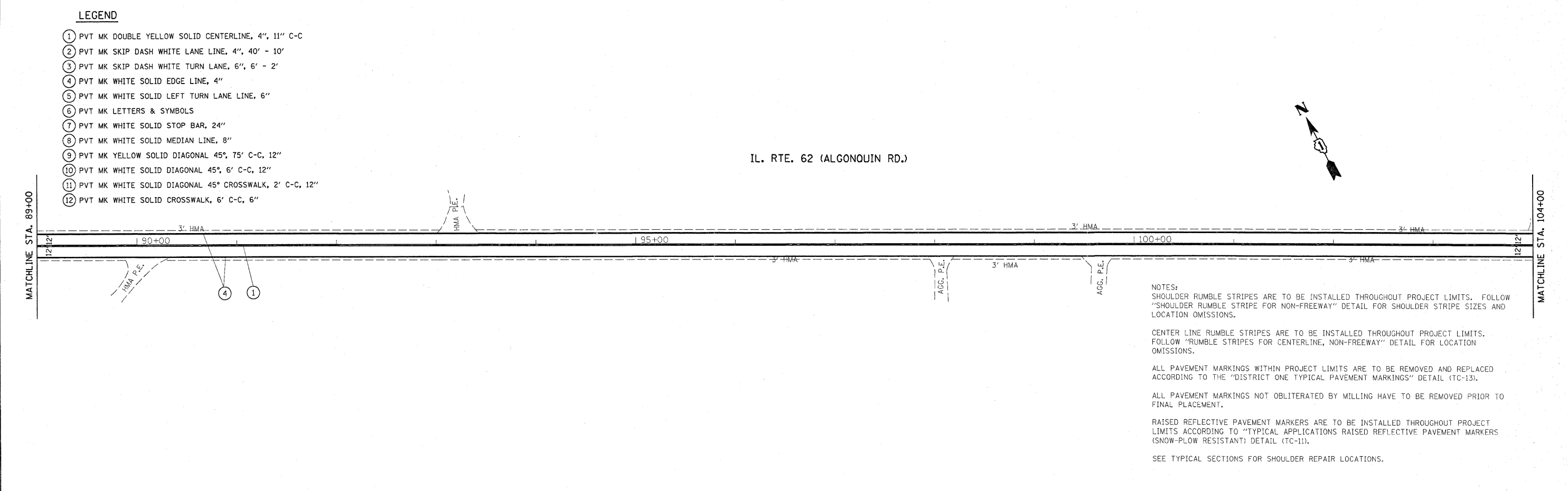
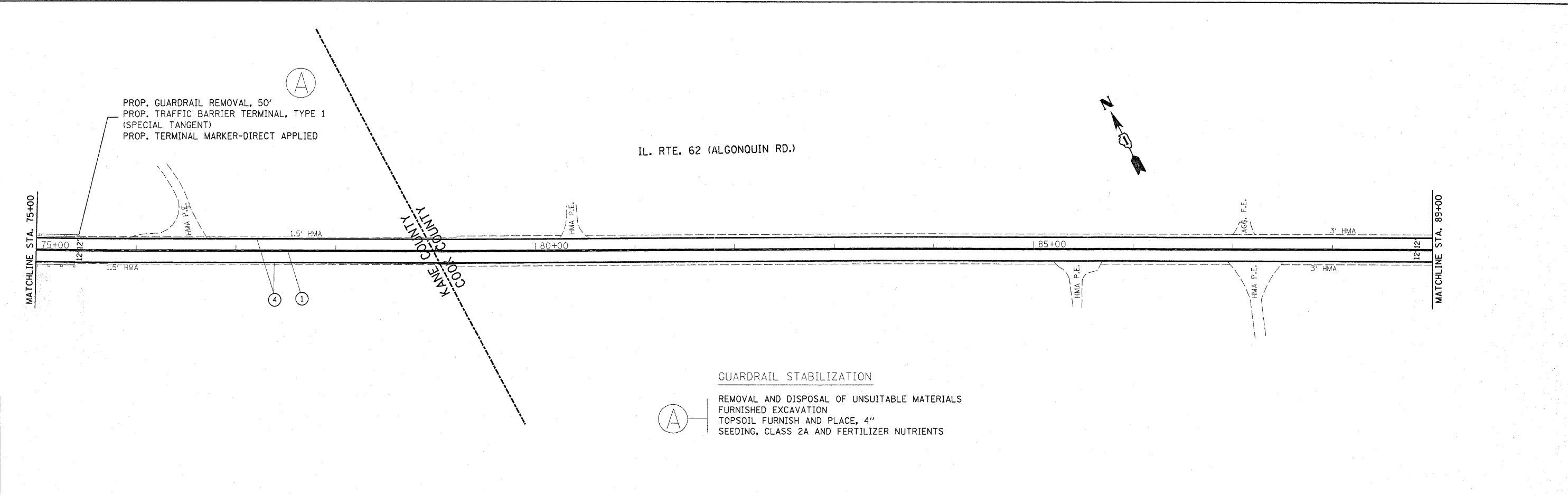


LEGEND

- ① PVT MK DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② PVT MK SKIP DASH WHITE LANE LINE, 4", 40' - 10'
- ③ PVT MK SKIP DASH WHITE TURN LANE, 6", 6' - 2'
- ④ PVT MK WHITE SOLID EDGE LINE, 4"
- ⑤ PVT MK WHITE SOLID LEFT TURN LANE LINE, 6"
- ⑥ PVT MK LETTERS & SYMBOLS
- ⑦ PVT MK WHITE SOLID STOP BAR, 24"
- ⑧ PVT MK WHITE SOLID MEDIAN LINE, 8"
- ⑨ PVT MK YELLOW SOLID DIAGONAL 45°, 75' C-C, 12"
- ⑩ PVT MK WHITE SOLID DIAGONAL 45°, 6' C-C, 12"
- ⑪ PVT MK WHITE SOLID DIAGONAL 45° CROSSWALK, 2' C-C, 12"
- ⑫ PVT MK WHITE SOLID CROSSWALK, 6' C-C, 6"

NOTES:
SHOULDER RUMBLE STRIPES ARE TO BE INSTALLED THROUGHOUT PROJECT LIMITS. FOLLOW "SHOULDER RUMBLE STRIPE FOR NON-FREEWAY" DETAIL FOR SHOULDER STRIPE SIZES AND LOCATION OMISSIONS.
CENTER LINE RUMBLE STRIPES ARE TO BE INSTALLED THROUGHOUT PROJECT LIMITS. FOLLOW "RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY" DETAIL FOR LOCATION OMISSIONS.
ALL PAVEMENT MARKINGS WITHIN PROJECT LIMITS ARE TO BE REMOVED AND REPLACED ACCORDING TO THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL (TC-13).
ALL PAVEMENT MARKINGS NOT OBLITERATED BY MILLING HAVE TO BE REMOVED PRIOR TO FINAL PLACEMENT.
RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE INSTALLED THROUGHOUT PROJECT LIMITS ACCORDING TO "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) DETAIL (TC-11).
SEE TYPICAL SECTIONS FOR SHOULDER REPAIR LOCATIONS.

FILE NAME =	USER NAME = banks1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 62 (ALGONQUIN RD.) IL. RTE 25 (ELGIN RD.) TO IL. RTE 68 (DUNDEE RD.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\p\work\p\dot\banks1\d0161588\10103110	sh1-plan.dgn	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 45+00	TO STA. 75+00	339	2009-0881	KANE, COOK	37	7
	PLT SCALE = 50.0000 / IN.	CHECKED -	REVISED -										CONTRACT NO. 60136		
	PLT DATE = 12/17/2009	DATE -	REVISED -										ILLINOIS FED. AID PROJECT		

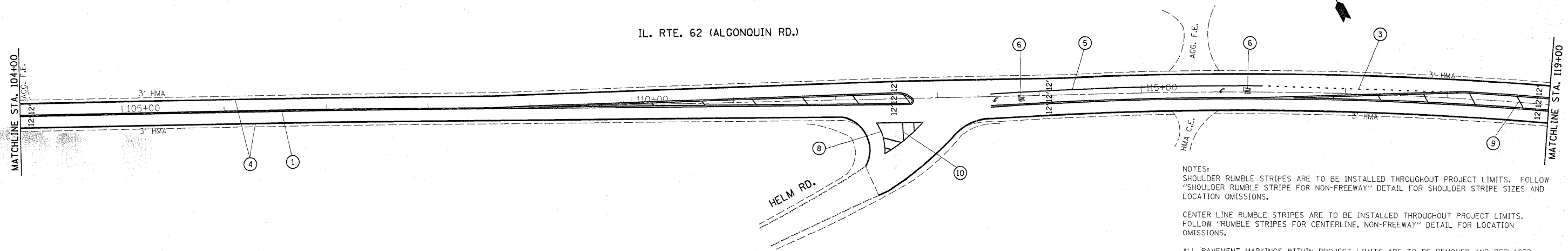


LEGEND

- ① PVT MK DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② PVT MK SKIP DASH WHITE LANE LINE, 4", 40' - 10'
- ③ PVT MK SKIP DASH WHITE TURN LANE, 6", 6' - 2'
- ④ PVT MK WHITE SOLID EDGE LINE, 4"
- ⑤ PVT MK WHITE SOLID LEFT TURN LANE LINE, 6"
- ⑥ PVT MK LETTERS & SYMBOLS
- ⑦ PVT MK WHITE SOLID STOP BAR, 24"
- ⑧ PVT MK WHITE SOLID MEDIAN LINE, 8"
- ⑨ PVT MK YELLOW SOLID DIAGONAL 45°, 75' C-C, 12"
- ⑩ PVT MK WHITE SOLID DIAGONAL 45°, 6' C-C, 12"
- ⑪ PVT MK WHITE SOLID DIAGONAL 45° CROSSWALK, 2' C-C, 12"
- ⑫ PVT MK WHITE SOLID CROSSWALK, 6' C-C, 6"

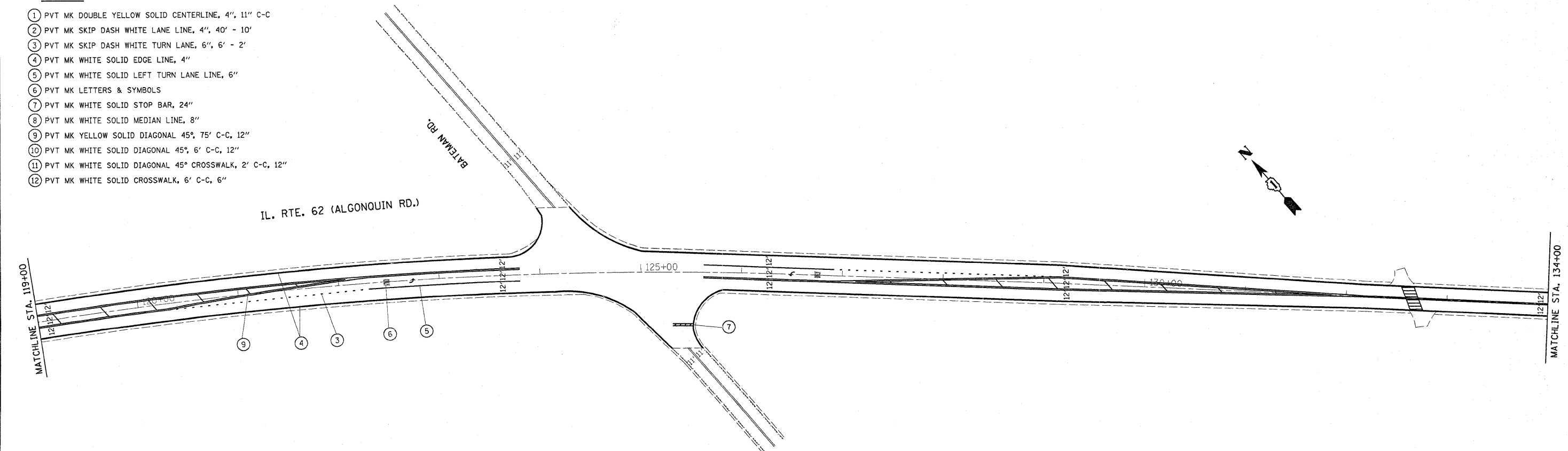
NOTES:
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 SEE TYPICAL SECTIONS FOR SHOULDER REPAIR LOCATIONS.

FILE NAME =	USER NAME = banks1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 62 (ALGONQUIN RD.) IL. RTE 25 (ELGIN RD.) TO IL. RTE 68 (DUNDEE RD.)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\banksl\0161580\0103110	shht-plan.dgn	DRAWN -	REVISED -		339	2009-0881	KANE, COOK	37	8		
	PLOT SCALE = 50.0000" / IN.	CHECKED -	REVISED -		CONTRACT NO. 60136						
	PLOT DATE = 12/17/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

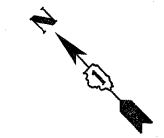


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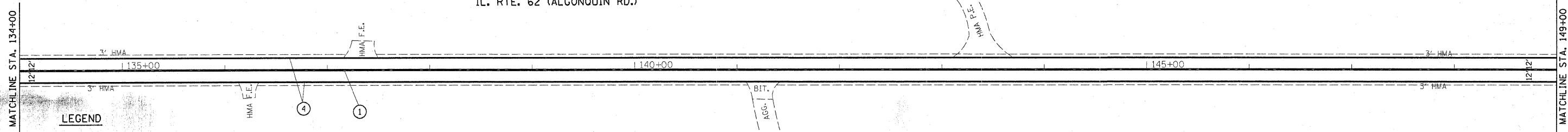
- LEGEND**
- ① PVT MK DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
 - ② PVT MK SKIP DASH WHITE LANE LINE, 4", 40' - 10'
 - ③ PVT MK SKIP DASH WHITE TURN LANE, 6", 6' - 2'
 - ④ PVT MK WHITE SOLID EDGE LINE, 4"
 - ⑤ PVT MK WHITE SOLID LEFT TURN LANE LINE, 6"
 - ⑥ PVT MK LETTERS & SYMBOLS
 - ⑦ PVT MK WHITE SOLID STOP BAR, 24"
 - ⑧ PVT MK WHITE SOLID MEDIAN LINE, 8"
 - ⑨ PVT MK YELLOW SOLID DIAGONAL 45°, 75' C-C, 12"
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 - ⑪ PVT MK WHITE SOLID DIAGONAL 45° CROSSWALK, 2' C-C, 12"
 - ⑫ PVT MK WHITE SOLID CROSSWALK, 6' C-C, 6"



FILE NAME =	USER NAME = banksl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 62 (ALGONQUIN RD.) IL. RTE 25 (ELGIN RD.) TO IL. RTE 68 (DUNDEE RD.)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw\work\p\idot\banksl\0161588\0103110	-sht-plan.dgn	DRAWN -	REVISED -		339	2009-0881	KANE, COOK	37	9					
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 1"=50'				SHEET NO. OF SHEETS		STA. 104+00 TO STA. 134+00		CONTRACT NO. 60136	
	PLOT DATE = 12/17/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									



IL. RTE. 62 (ALGONQUIN RD.)



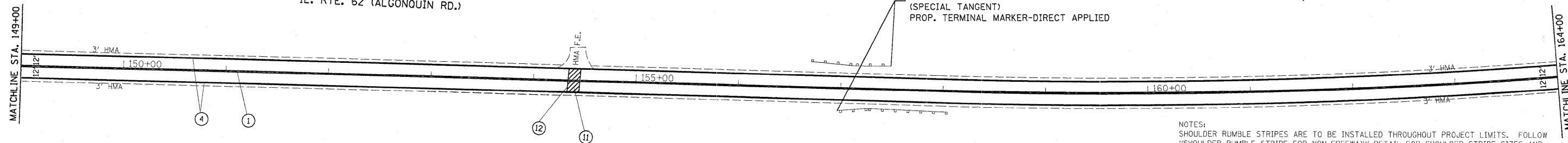
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GUARDRAIL STABILIZATION

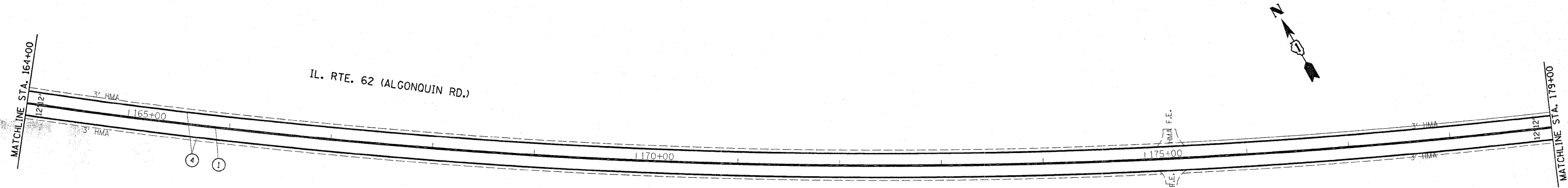
- Ⓐ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS FURNISHED EXCAVATION TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A AND FERTILIZER NUTRIENTS

IL. RTE. 62 (ALGONQUIN RD.)



NOTES:
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SEE TYPICAL SECTIONS FOR SHOULDER REPAIR LOCATIONS.

FILE NAME =	USER NAME = banks	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE. 62 (ALGONQUIN RD.) IL RTE 25 (ELGIN RD.) TO IL RTE 68 (DUNDEE RD.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pawdot\banks\1\0161580\0103110	shlt-plan.dgn	DRAWN -	REVISED -		339	2009-0881	KANE, COOK	37	10			
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 60136							
	PLOT DATE = 12/17/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 134+00	TO STA. 164+00			

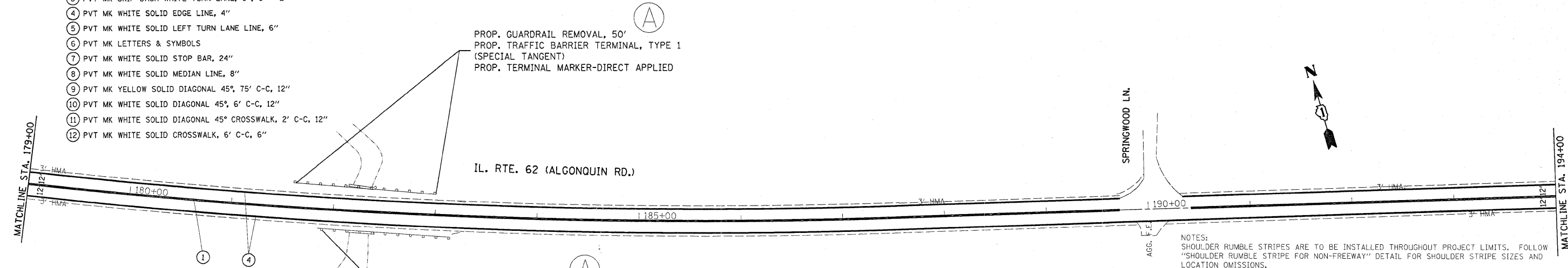


GUARDRAIL STABILIZATION

- (A) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- (A) FURNISHED EXCAVATION
- (A) TOPSOIL FURNISH AND PLACE, 4"
- (A) SEEDING, CLASS 2A AND FERTILIZER NUTRIENTS

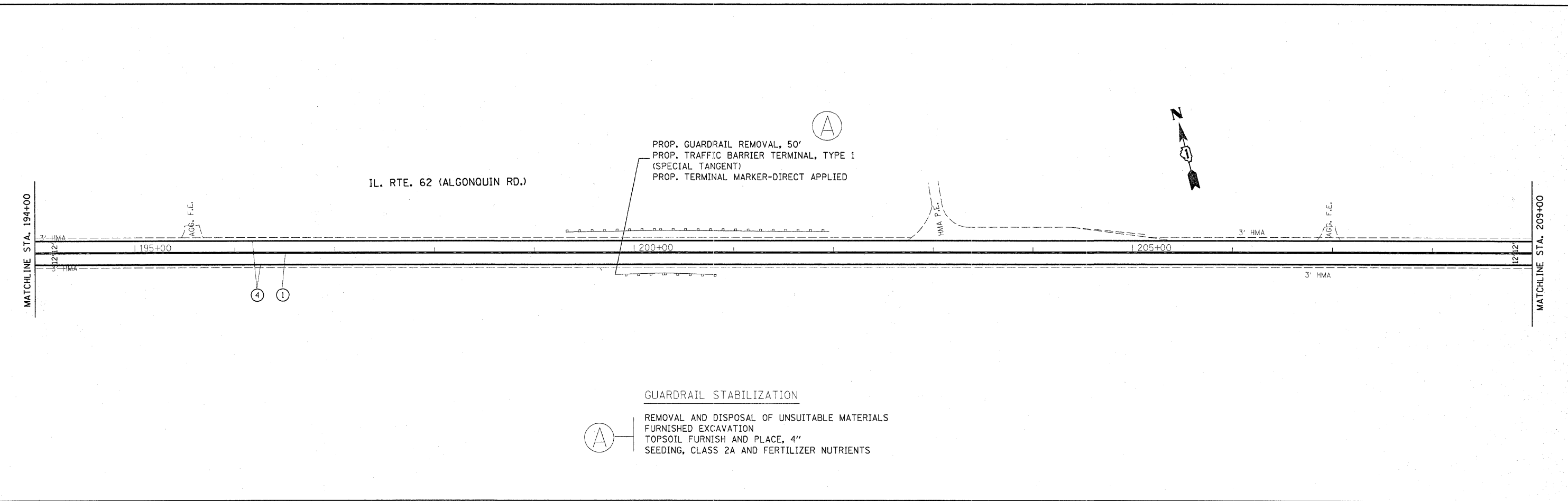
LEGEND

- ① PVT MK DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② PVT MK SKIP DASH WHITE LANE LINE, 4", 40' - 10'
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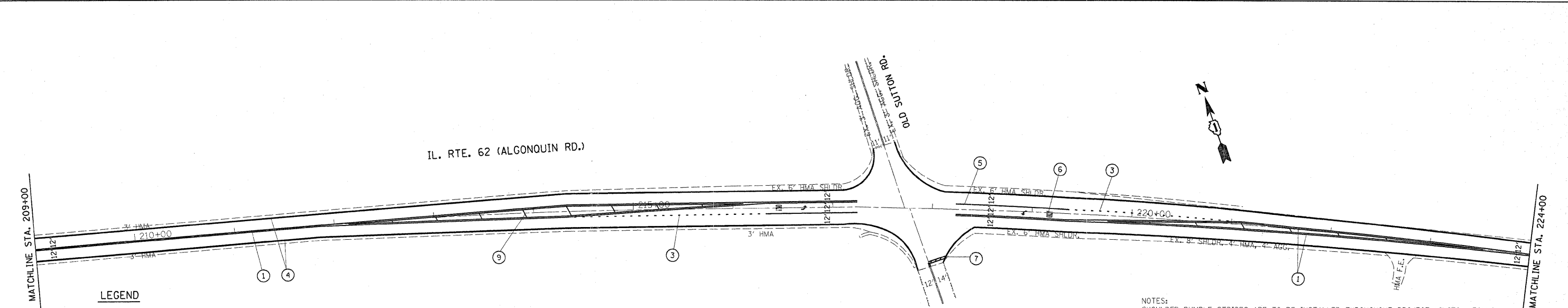


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FILE NAME =	USER NAME = bank1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 62 (ALGONQUIN RD.) IL. RTE 25 (ELGIN RD.) TO IL. RTE 68 (DUNDEE RD.)		F.A.P. RTE. 339	SECTION 2009-0881	COUNTY KANE, COOK	TOTAL SHEETS 37	SHEET NO. 11	
cr:\pw\work\p\dot\bank1\d0161588\0103110	sh-t-plan.dgn	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 164+00 TO STA. 194+00	ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -									
	PLOT DATE = 12/17/2009	DATE -	REVISED -									



GUARDRAIL STABILIZATION
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
 FURNISHED EXCAVATION
 TOPSOIL FURNISH AND PLACE, 4"
 SEEDING, CLASS 2A AND FERTILIZER NUTRIENTS

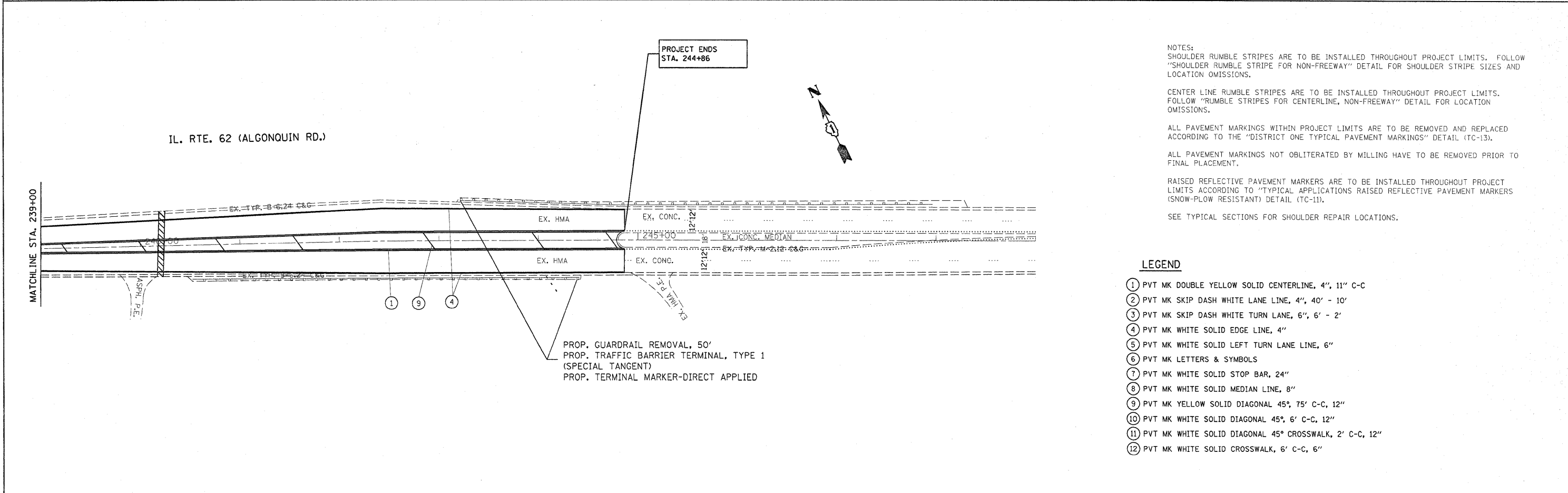
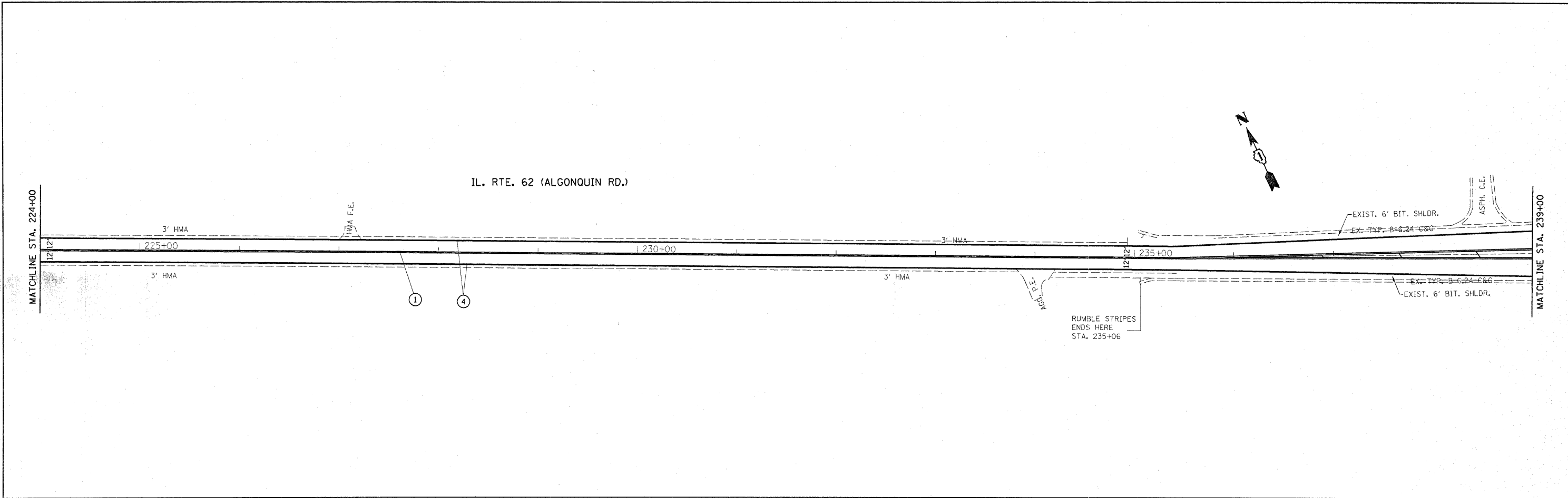


LEGEND

- 1 PVT MK DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- 2 PVT MK SKIP DASH WHITE LANE LINE, 4", 40' - 10'
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c:\pwork\pwork\bankal\0161580\0103116	alt-plan\dgn	DRAWN -	REVISED -		339	2009-0881	KANE, COOK	37	12		
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 60136			ILLINOIS FED. AID PROJECT			
	PLOT DATE = 12/17/2009	DATE -	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 194+00 TO STA. 224+00				



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- ① PVT MK DOUBLE YELLOW SOLID CENTERLINE, 4", 11" C-C
- ② PVT MK SKIP DASH WHITE LANE LINE, 4", 40' - 10'
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c:\pwwork\owidot\banks\1\0161580\0103110-shht-plan.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			339	2009-0881	KANE, COOK	37	13	
	PLOT DATE = 12/17/2009	CHECKED -	REVISED -			CONTRACT NO. 60136					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

TRAFFIC SIGNAL MODERNIZATION PLANS AND QUANTITIES TO BE INCLUDED IN FINAL PLANS.

1. ILL 62 @ ILL 25
2. ILL 62 @ ILL 68 / BRINKER ROAD
3. ILL 62 @ ILL 59-68
4. ILL 62 @ PALATINE ROAD/WESTLAKE DRIVE
5. ILL 59 @ BARTLETT ROAD

FILE NAME =	USER NAME = banks	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 62 (ILL 25 - ILL. 68 (DUNDEE RD) TRAFFIC SIGNAL MODERNIZATION PLANS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr:\pw\work\pwidot\banks\1\0161580\01023110	sh-t-plan.dgn	DRAWN -	REVISED -			339	2009-088 I	KANE/COOK	37	14
	PLOT SCALE = 50.0000 / / IN.	CHECKED -	REVISED -			CONTRACT NO. 60136				
	PLOT DATE = 12/17/2009	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.

IL 62 - IL 25 TO IL 68 (DUNDEE RD.) SIGN PANEL SCHEDULE

SIGN NAME / DESCRIPTION	MUTCD CODE	SIZE (INCHES - W X H)	QUANTITY
SPEED LIMIT 45	R2-1	30 X 36	4
SPEED LIMIT 55	R2-1	30 X 36	9
ILLINOIS 62	M1-I100A	24 X 24	8
ILLINOIS 25	M1-I100A	24 X 24 (1) & 36 X 36 (1)	2
ILLINOIS 68	M1-I100A	24 X 24 (2) & 36 X 36 (1)	3
"RIGHT ARROW"	M6-1	21 X 15	1
"LEFT ARROW"	M6-1	21 X 15	1
"STRAIGHT ARROW"	M6-3	21 X 15	1
"UP AND TO LEFT ARROW"	M5-2	21 X 15	1
BARRINGTON HILLS 3,900	I1-I100	48 x 24	1
EAST	M3-2	24 x 12	4
WEST	M3-4	24 x 12	4
ENTRANCE		36 X 36	2
DO NOT PASS	R4-1	36 X 48	7
NO PASSING ZONE	W14-3	64 X 48	5
JCT	M2-1	30 X 15	2
"LANE ENDS"	W4-2	36 X 36	2
SPEED ZONE AHEAD	R2-5	30 X 36	2
45 MPH	W13-1	24 X 24	4
"REVERSE CURVE"	W1-4R	36 X 36	2
"TWO DIRECTIONAL LARGE ARROW"	W1-7	48 X 24	2
UNLAWFUL TO PASS SCHOOL BUS FROM EITHER DIRECTION	S4-I105	30 X 30	2
KANE COUNTY		30 X 18	1
COOK COUNTY		30 X 18	1
"SIDE ROAD"	W2-3R	36 X 36	2
HELM RD		VAR. X 9	2
"THROUGH ONLY, LEFT TURN ONLY"		36 X 36	1
"CROSS ROAD"	W2-1	36 X 36	4
BATEMAN RD		VAR. X 9	2
"LEFT TURN ONLY, THROUGH-RIGHT TURN ARROW"	R3-8	40 X 36	4
"EQUESTRIAN TRAFFIC"	W11-7	36 X 36	8
"EQUESTRIAN CROSSING"	SEE NOTE BELOW		
CEMETERY ENTRANCE		36 X 36	2
2ND RIGHT DRIVEWAY		24 X 24	1
OLD SUTTON ROAD		VAR. X 9	2
DUNDEE RD		VAR. X 9	1
"LEFT DIAGONAL ARROW"	W16-7PL	21 X 15	4

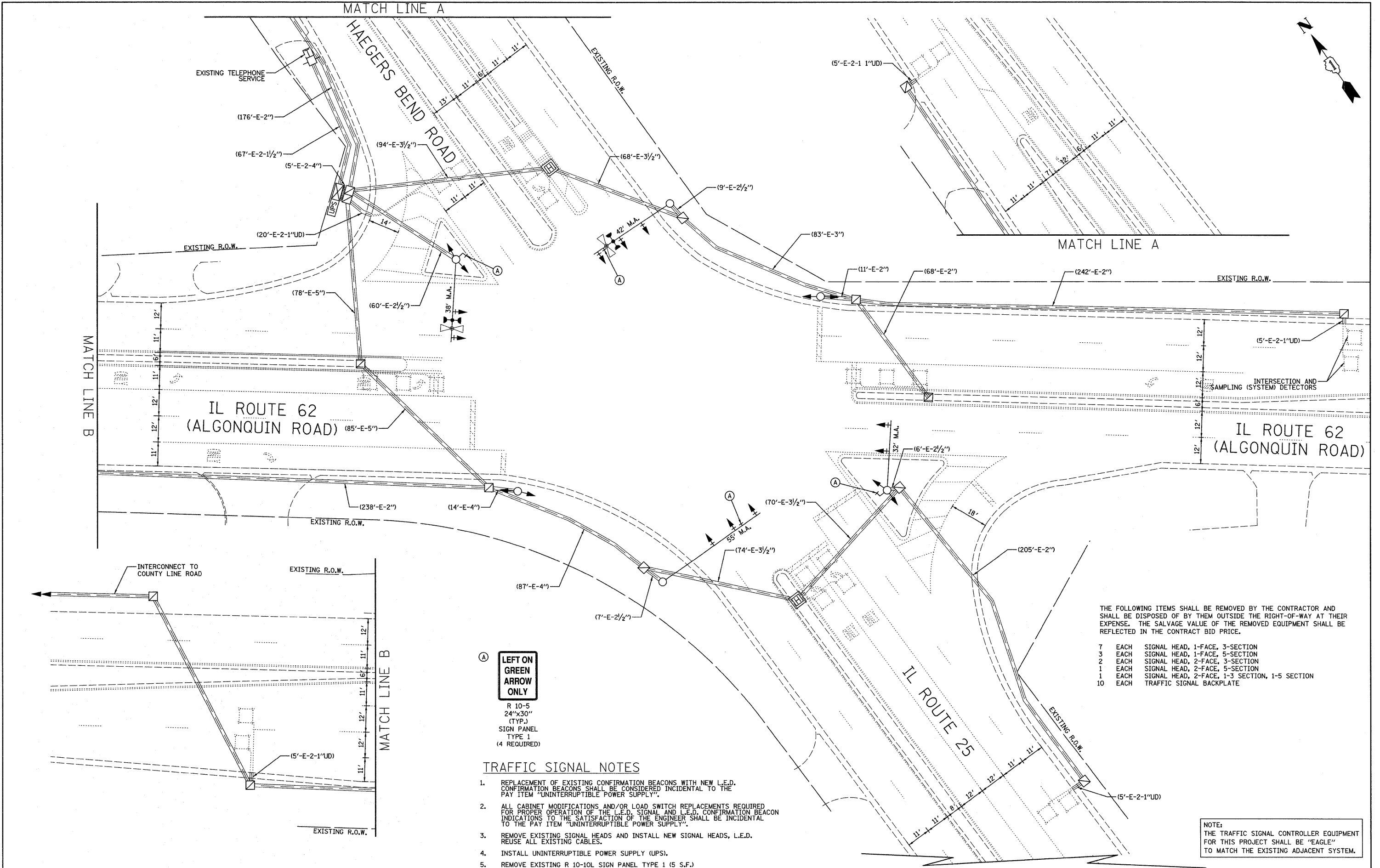
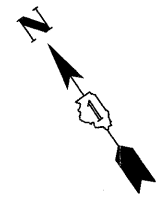
NOTE:
 "EQUESTRIAN CROSSING" SIGN TO BE REPLACED WITH "EQUESTRIAN TRAFFIC" SIGN (W11-7)
 AND "LEFT DIAGONAL ARROW" SIGN (W16-7P) TOGETHER ON SAME POST.

NOTES

ALL SIGN PANELS ON IL 62 BETWEEN IL 25 AND IL 68/(DUNDEE RD) ARE TO BE REMOVED AND REPLACED IN KIND.

ALL SIGN PANEL TYPES, SIZES AND LOCATIONS ARE TO BE VERIFIED IN THE FIELD PRIOR TO ORDERING.

THE RESIDENT ENGINEER SHOULD CONTACT MR. WALLY CZARNY, AREA TRAFFIC ENGINEER, AT (847) 715-8419 AT LEAST 2 WEEKS PRIOR TO PLACING FINAL SIGN PANELS.



LEFT ON GREEN ARROW ONLY

R 10-5
24"x30"
(TYP.)
SIGN PANEL
TYPE 1
(4 REQUIRED)

TRAFFIC SIGNAL NOTES

1. REPLACEMENT OF EXISTING CONFIRMATION BEACONS WITH NEW L.E.D. CONFIRMATION BEACONS SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
2. ALL CABINET MODIFICATIONS AND/OR LOAD SWITCH REPLACEMENTS REQUIRED FOR PROPER OPERATION OF THE L.E.D. SIGNAL AND L.E.D. CONFIRMATION BEACON INDICATIONS TO THE SATISFACTION OF THE ENGINEER SHALL BE INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
3. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS, L.E.D. REUSE ALL EXISTING CABLES.
4. INSTALL UNINTERRUPTIBLE POWER SUPPLY (UPS).
5. REMOVE EXISTING R 10-10L SIGN PANEL TYPE 1 (5 S.F.)

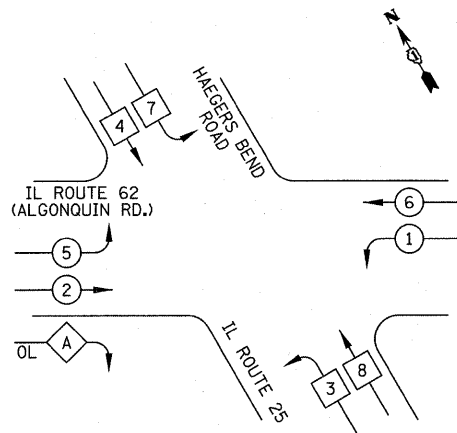
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 7 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 3 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 5-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 10 EACH TRAFFIC SIGNAL BACKPLATE

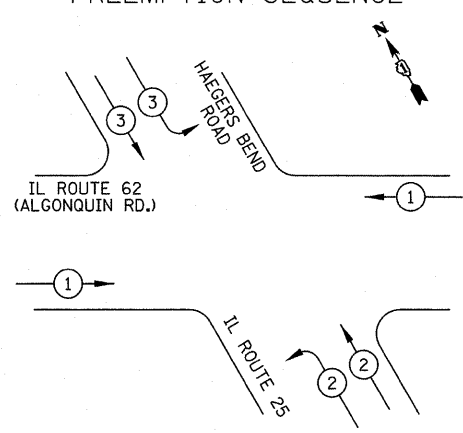
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = #USER#	DESIGNED - BRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN IL ROUTE 62 (ALGONQUIN ROAD) AT IL ROUTE 25 /HAEGERS BEND ROAD	F.A.P. RTE. 339	SECTION 2009-088I	COUNTY KANE	TOTAL SHEETS 37	SHEET NO. 16		
#FILE#	PLOT SCALE = #SCALE#	DRAWN - OJT	REVISED -			SCALE: 1" = 20'	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 60136		
	PLOT DATE = #DATE#	CHECKED - JJE	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						
		DATE - 11/25/09	REVISED -									

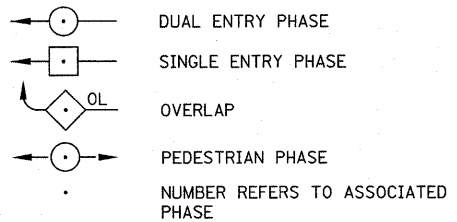
EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

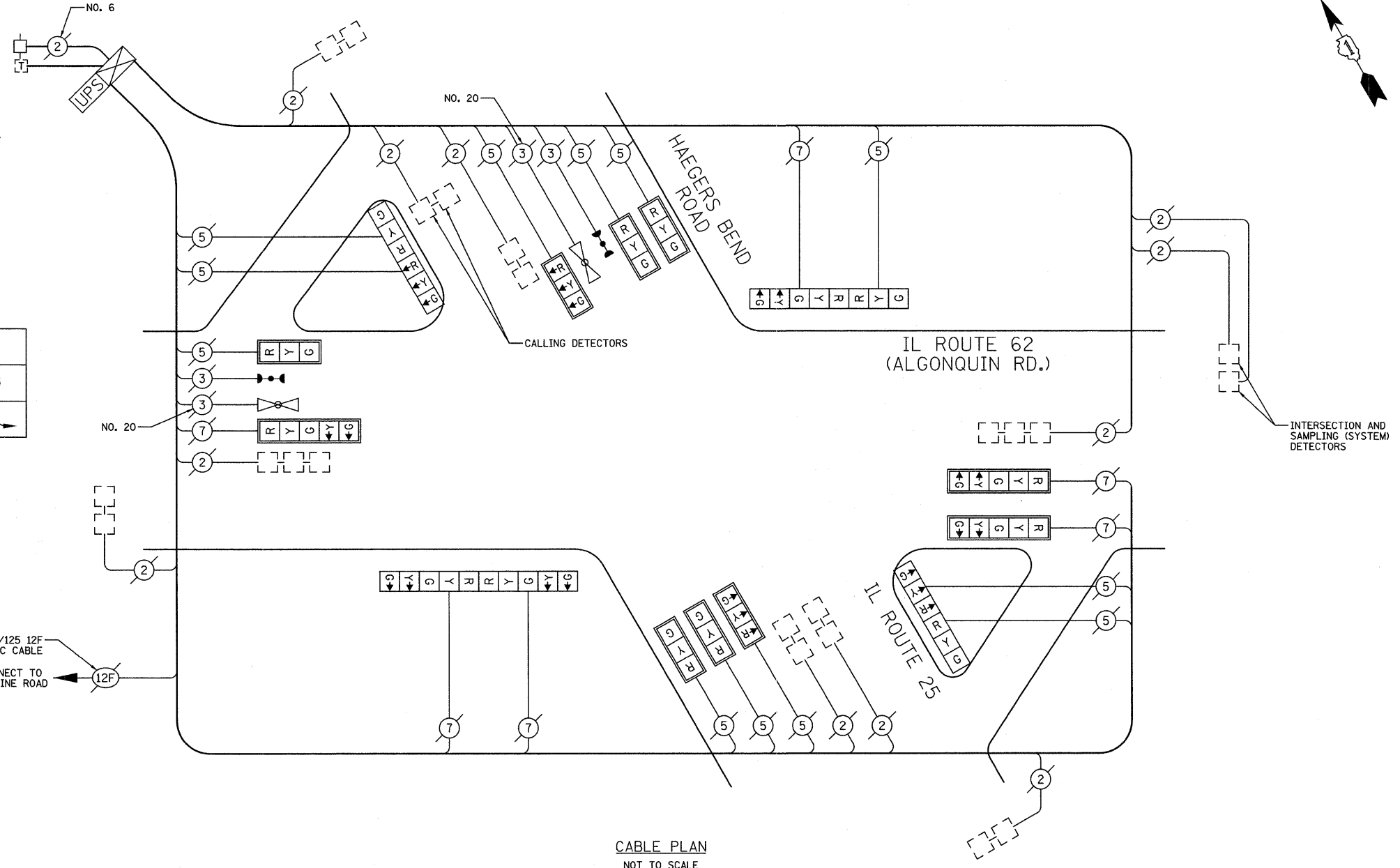


PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	1	2	3
MOVEMENT	→	↗	↘

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	18	INCAND.	17	0.50	153
	18	LED	25	0.25	
	18		15	0.25	
ARROW (GREEN)	12		12	0.10	14
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
FLASHER					0.50
TOTAL =					448

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

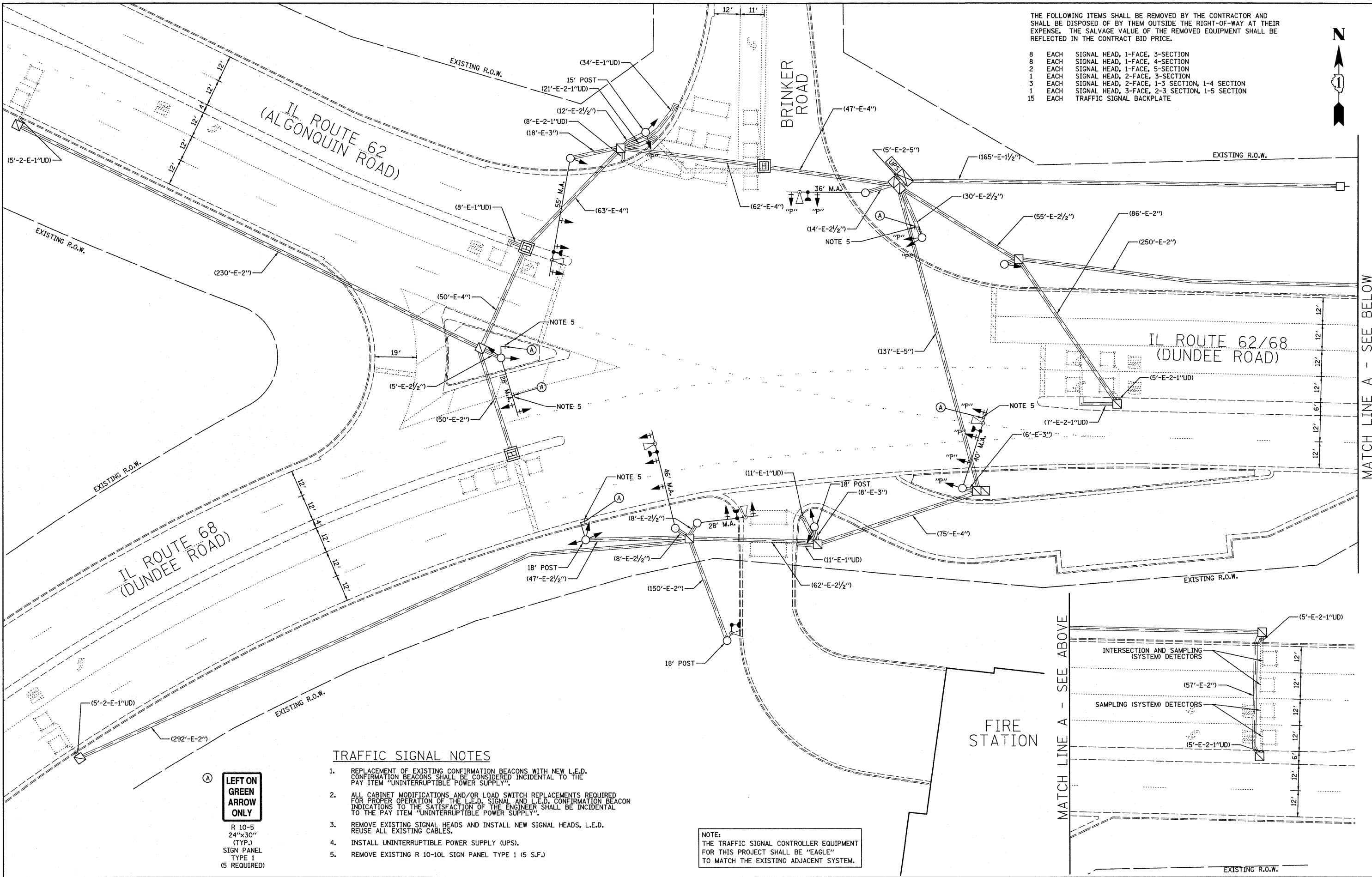
ENERGY SUPPLY: CONTACT: DOTTIE PROSEN
PHONE: (847) 816-5323
COMPANY: COM ED

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	20
REMOVE SIGN PANEL - TYPE 1	SQ FT	20
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE, 4-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
- 3 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-4 SECTION
- 1 EACH SIGNAL HEAD, 3-FACE, 2-3 SECTION, 1-5 SECTION
- 15 EACH TRAFFIC SIGNAL BACKPLATE



MATCH LINE A - SEE BELOW

MATCH LINE A - SEE ABOVE

- TRAFFIC SIGNAL NOTES**
1. REPLACEMENT OF EXISTING CONFIRMATION BEACONS WITH NEW L.E.D. CONFIRMATION BEACONS SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
 2. ALL CABINET MODIFICATIONS AND/OR LOAD SWITCH REPLACEMENTS REQUIRED FOR PROPER OPERATION OF THE L.E.D. SIGNAL AND L.E.D. CONFIRMATION BEACON INDICATIONS TO THE SATISFACTION OF THE ENGINEER SHALL BE INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
 3. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS, L.E.D. REUSE ALL EXISTING CABLES.
 4. INSTALL UNINTERRUPTIBLE POWER SUPPLY (UPS).
 5. REMOVE EXISTING R 10-10L SIGN PANEL TYPE 1 (5 S.F.)

A LEFT ON GREEN ARROW ONLY
 R 10-5
 24"x30"
 (TYP.)
 SIGN PANEL
 TYPE 1
 (5 REQUIRED)

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =
 #FILE#

USER NAME = #USER#
 DESIGNED - BRD
 DRAWN - OJT
 CHECKED - JJE
 DATE - 11/20/09

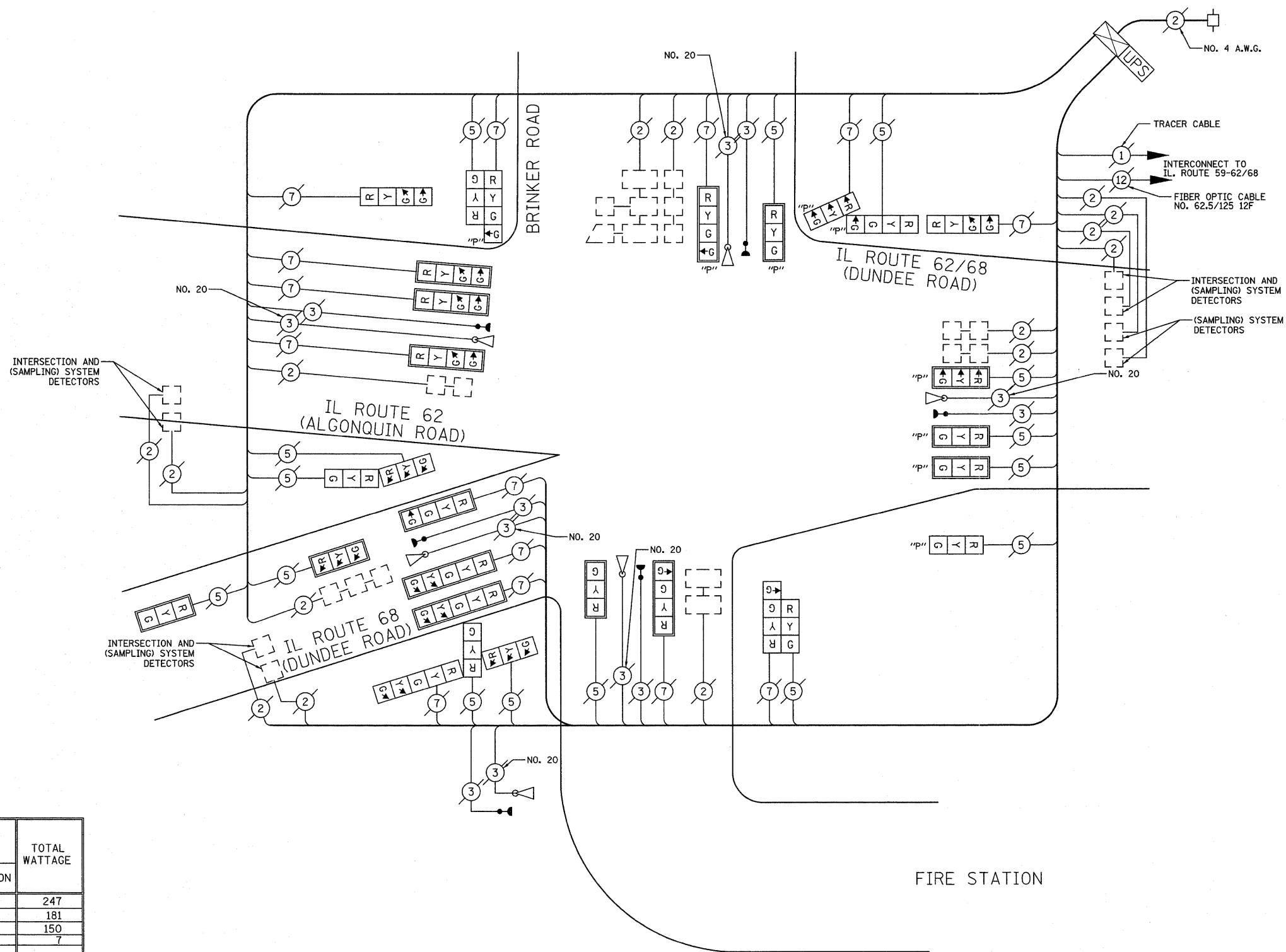
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62/68 AT BRINKER ROAD

SCALE: 1" = 20'
 SHEET NO. 1 OF 3 SHEETS
 STA. TO STA.

F.A.P. RTE. 339	SECTION 2009-088I	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 18
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60136	



CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	29	INCAND.	LED	0.50	247
(YELLOW)	29			0.25	181
(GREEN)	40			0.25	150
ARROW	6			0.10	7
PED. SIGNAL				1.00	
CONTROLLER	1			1.00	100
FLASHER				0.50	
TOTAL =					685

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: DOTTIE PROSEN
PHONE: (847) 816-5323
COMPANY: COM ED

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT
FOR THIS PROJECT SHALL BE "EAGLE"
TO MATCH THE EXISTING ADJACENT SYSTEM.

EXISTING AND PROPOSED SEQUENCE OF OPERATION

MOVEMENT	1 + 5										1 + 6										2 + 5										2 + 6										3		4		9																		
PHASE	1										2										3										4										5		6		7																		
INTERVAL	1	2A	2B	3A	3B	4A	4B	5A	5B	6	7A	7B	8A	8B	9A	9B	10A	10B	11	12A	12B	13A	13B	14A	14B	15	16A	16B	17A	17B	18A	18B	19	20A	20B	21	22A	22B	23	24A	24B	25A	25B																				
CHANGE TO	1+6										2+5										2+6										1+5										1+6		2+5		1+6																		
IL ROUTE 62/68 WESTBOUND NEAR RIGHT, FAR RIGHT, AND MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 62/68 WESTBOUND LEFT TURN SIGNALS	G	G	G	Y	R	Y	R	Y	R	G	G	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 62 EASTBOUND NEAR RIGHT, FAR RIGHT, AND MID MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 62 EASTBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	G	Y	R	G	Y	R	G	Y	R	G	G	Y	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 68 EASTBOUND NEAR LEFT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 68 EASTBOUND NEAR RIGHT, FAR RIGHT, AND MID MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 68 EASTBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
BRINKER ROAD SOUTHBOUND NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
BRINKER ROAD SOUTHBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FIRE STATION NORTHBOUND NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FIRE STATION NORTHBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

NOTE: PHASES 2 AND 6 SHALL BE PLACED IN RECALL.



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

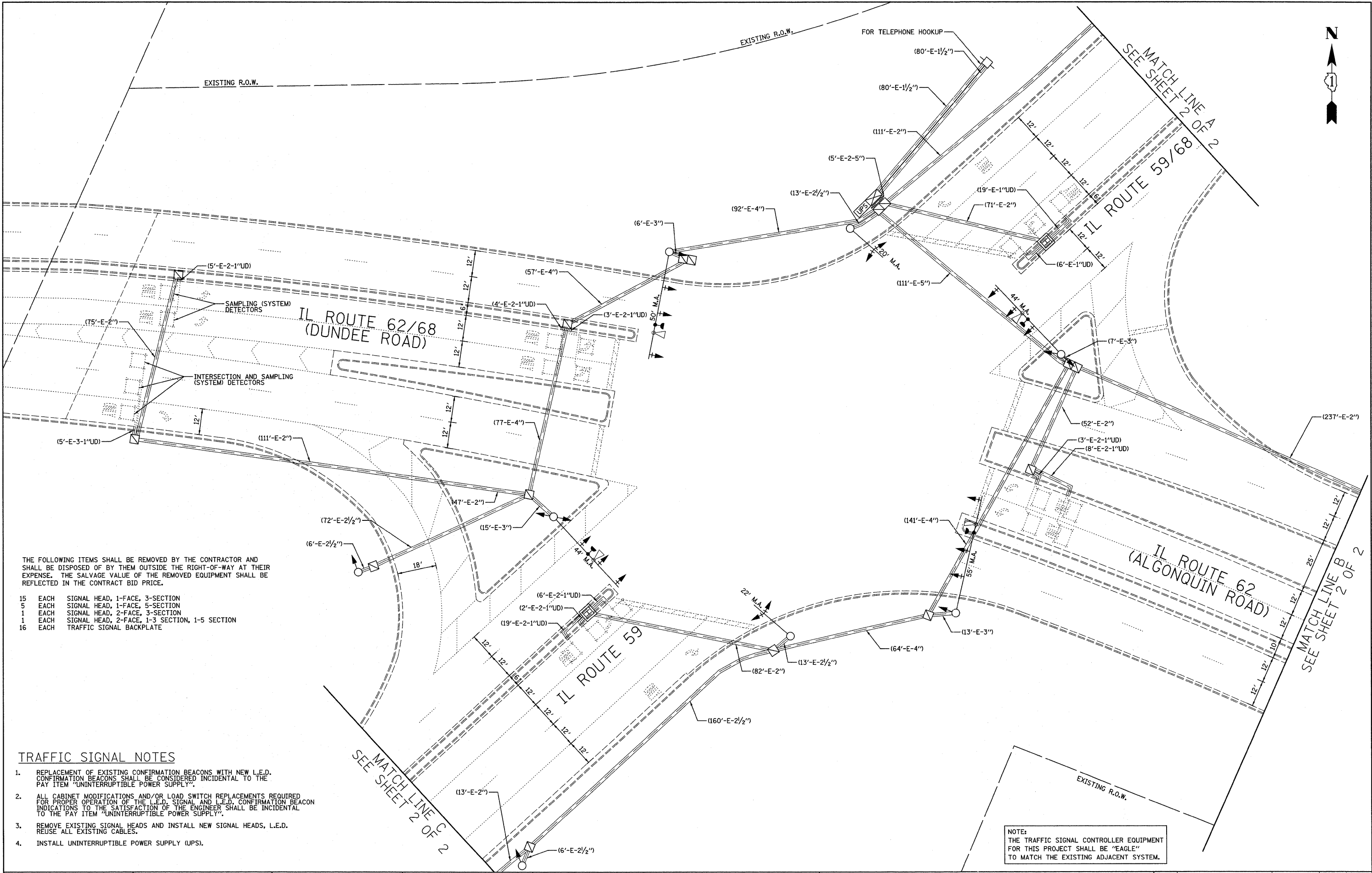
FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	1	1	1	6	6	6	11	11	15	15	15	19	19	21	21	23	23	PREEMPTION NUMBER 3	PREEMPTION NUMBER 4	PREEMPTION NUMBER 5	PREEMPTION NUMBER 6	PREEMPTION NUMBER 7	CLEAR TO NORMAL SEQUENCE													
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	2	3	4	5	6	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	3	1F	4	1H	5	2	1L	3,4	1N	5	1Q	2,4	3	1T	2	1V	3	1X	4,5	1Z	2,3	4,5,6	1CC	2,3	5,6	4	1FF	2,3	4,6	5				
IL ROUTE 62/68 WESTBOUND NEAR RIGHT, FAR RIGHT, AND MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	G	Y	R	Y	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 62/68 WESTBOUND LEFT TURN SIGNALS	G	G	G	Y	R	Y	R	G	Y	R	G	Y	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 62 EASTBOUND NEAR RIGHT, FAR RIGHT, AND MID MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 62 EASTBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	G	Y	R	G	Y	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 68 EASTBOUND NEAR LEFT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 68 EASTBOUND NEAR RIGHT, FAR RIGHT, AND MID MAST ARM MOUNTED SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
IL ROUTE 68 EASTBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
BRINKER ROAD SOUTHBOUND NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
BRINKER ROAD SOUTHBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FIRE STATION NORTHBOUND NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FIRE STATION NORTHBOUND END MAST ARM MOUNTED AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4, 5 OR 6 IS TERMINATED.

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	25
REMOVE SIGN PANEL - TYPE 1	SQ FT	25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	15
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
OPTICALLY PROGRAMMED SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1
COMBINATION SIGNAL HEAD, L.E.D., 2-FACE, 1-4 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

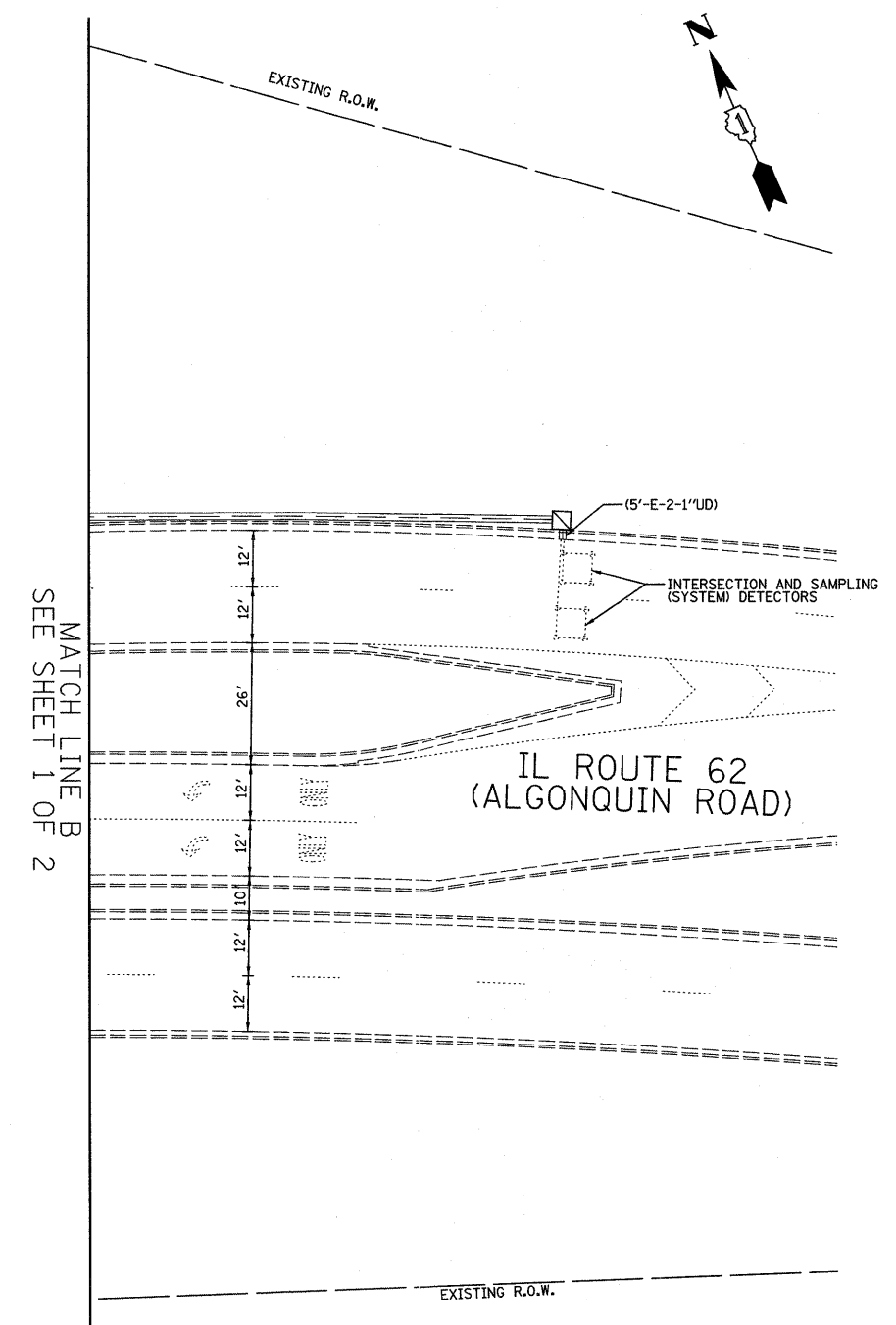
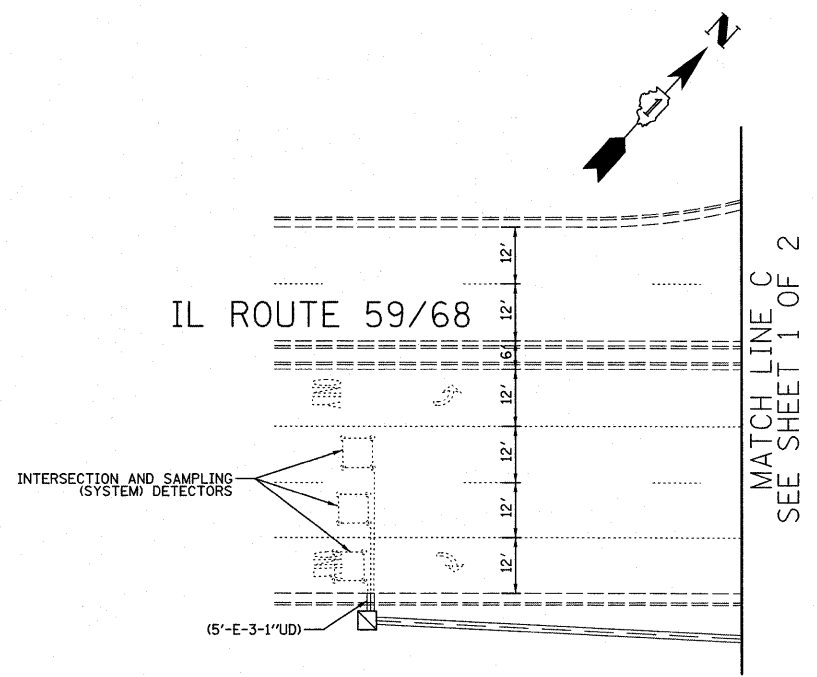
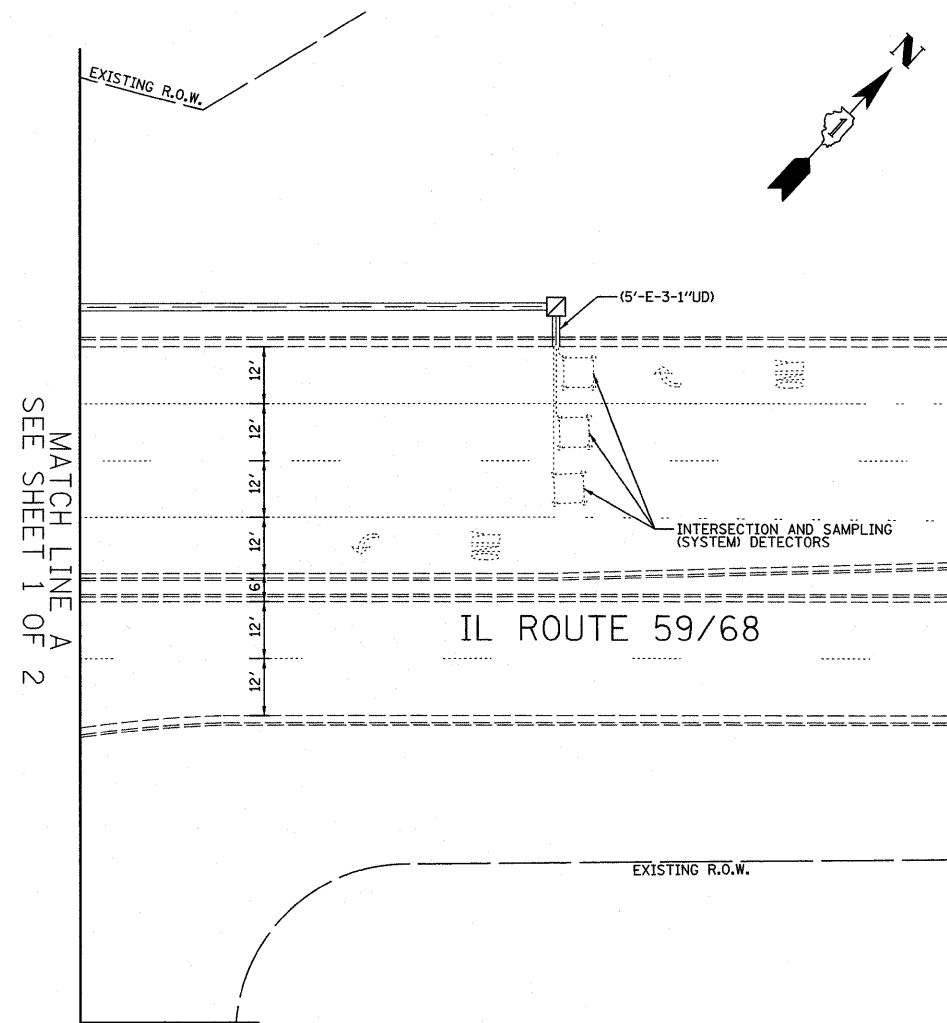
- 15 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 5 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 16 EACH TRAFFIC SIGNAL BACKPLATE

TRAFFIC SIGNAL NOTES

1. REPLACEMENT OF EXISTING CONFIRMATION BEACONS WITH NEW L.E.D. CONFIRMATION BEACONS SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
2. ALL CABINET MODIFICATIONS AND/OR LOAD SWITCH REPLACEMENTS REQUIRED FOR PROPER OPERATION OF THE L.E.D. SIGNAL AND L.E.D. CONFIRMATION BEACON INDICATIONS TO THE SATISFACTION OF THE ENGINEER SHALL BE INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
3. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS, L.E.D. REUSE ALL EXISTING CABLES.
4. INSTALL UNINTERRUPTIBLE POWER SUPPLY (UPS).

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN IL ROUTE 59 AT IL ROUTE 62/68 SHEET 1 OF 2			F.A.P. RTE. 339	SECTION 2009-088I	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 21
	PLOT SCALE = #SCALE#	DRAWN - OJT	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 60136				
	PLOT DATE = #DATE#	CHECKED - JJE	REVISED -		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT							
		DATE - 11/20/09	REVISED -									



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = #FILEL*	USER NAME = #USER*	DESIGNED - BRD	REVISED -
		DRAWN - OJT	REVISED -
		CHECKED - JJE	REVISED -
		DATE - 11/20/09	REVISED -

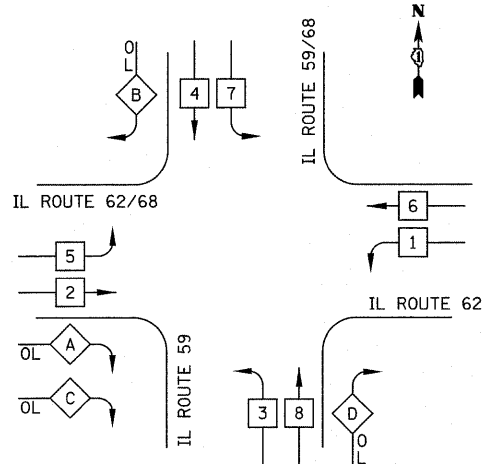
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 59 AT IL ROUTE 62/68
SHEET 2 OF 2

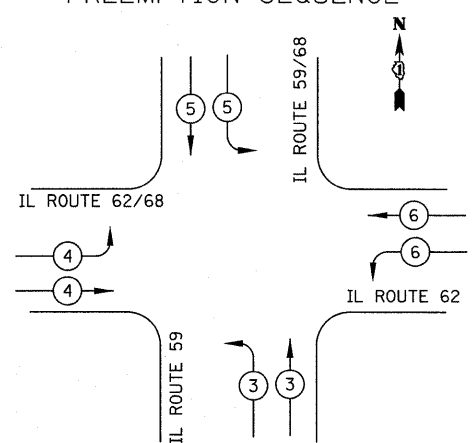
SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2009-088I	COOK	37	22
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60136	

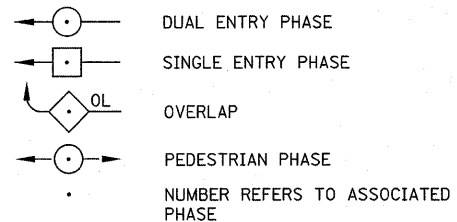
EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

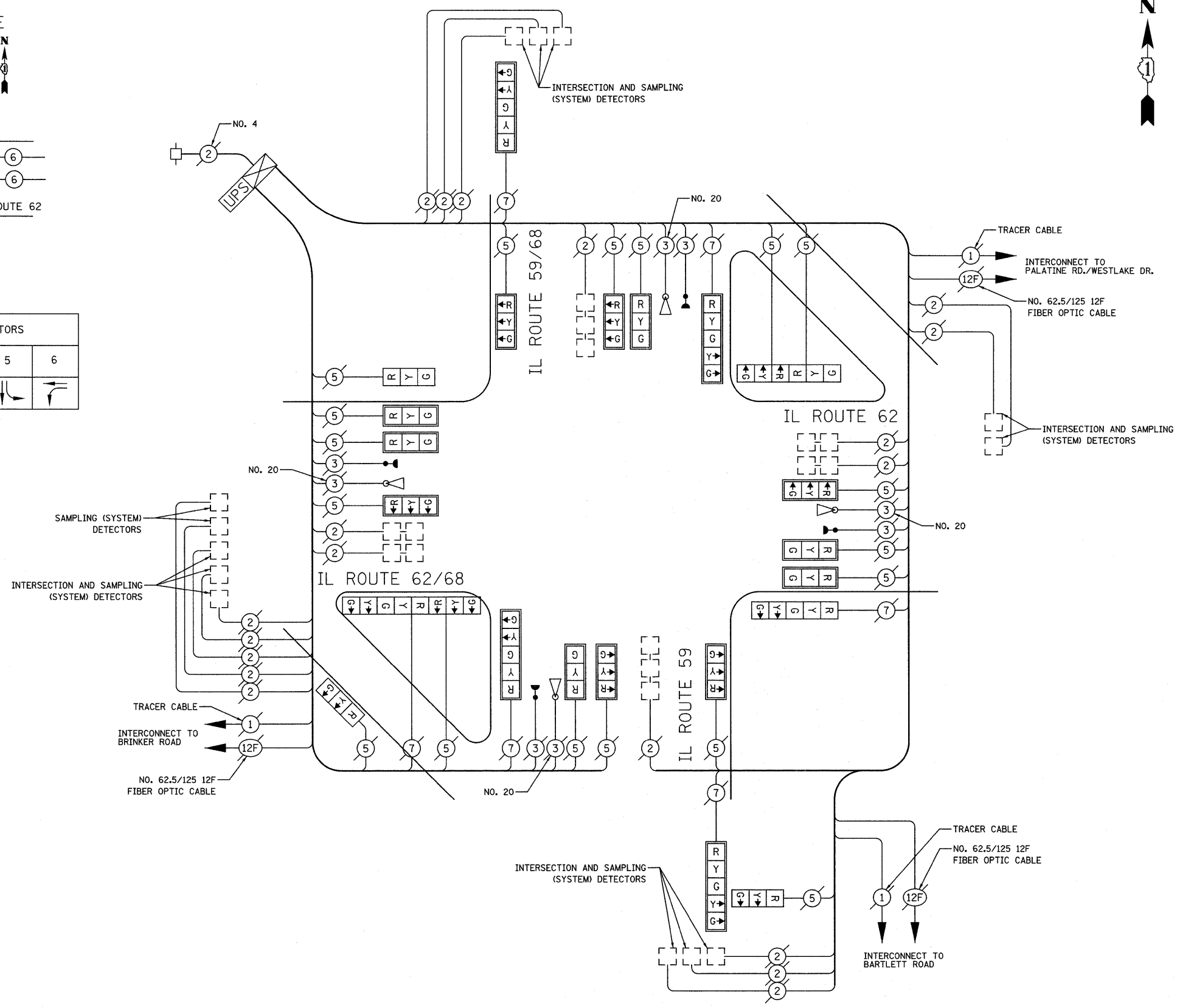
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	=	2 + 3
D	= 8	+ 1

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1

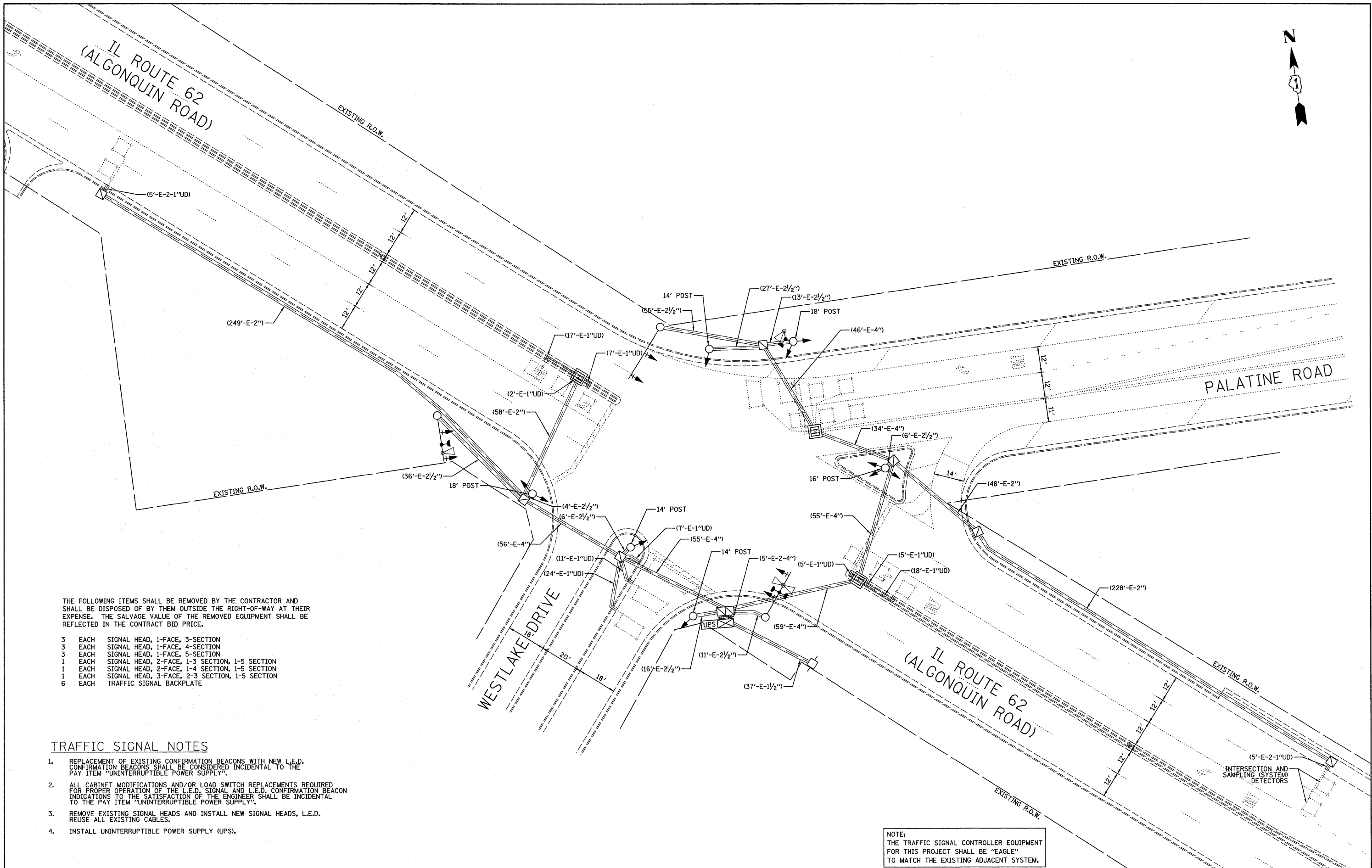
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	24		17	0.50	204
(YELLOW)	24		25	0.25	150
(GREEN)	24		15	0.25	90
ARROW	12		12	0.10	14
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
TOTAL =					558

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: DOTTIE PROSEN
PHONE: (847) 816-5323
COMPANY: COM ED



CABLE PLAN
NOT TO SCALE

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 3 EACH SIGNAL HEAD, 1-FACE, 4-SECTION
- 3 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 1-4 SECTION, 1-5 SECTION
- 1 EACH SIGNAL HEAD, 3-FACE, 2-3 SECTION, 1-5 SECTION
- 6 EACH TRAFFIC SIGNAL BACKPLATE

TRAFFIC SIGNAL NOTES

- 1. REPLACEMENT OF EXISTING CONFIRMATION BEACONS WITH NEW L.E.D. CONFIRMATION BEACONS SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
- 2. ALL CABINET MODIFICATIONS AND/OR LOAD SWITCH REPLACEMENTS REQUIRED FOR PROPER OPERATION OF THE L.E.D. SIGNAL AND L.E.D. CONFIRMATION BEACON INDICATIONS TO THE SATISFACTION OF THE ENGINEER SHALL BE INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
- 3. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS, L.E.D. REUSE ALL EXISTING CABLES.
- 4. INSTALL UNINTERRUPTIBLE POWER SUPPLY (UPS).

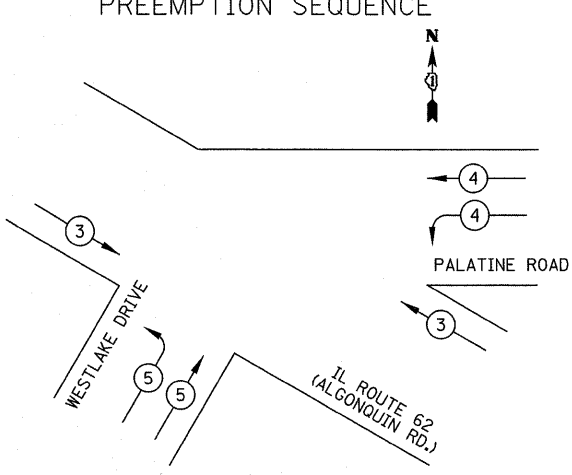
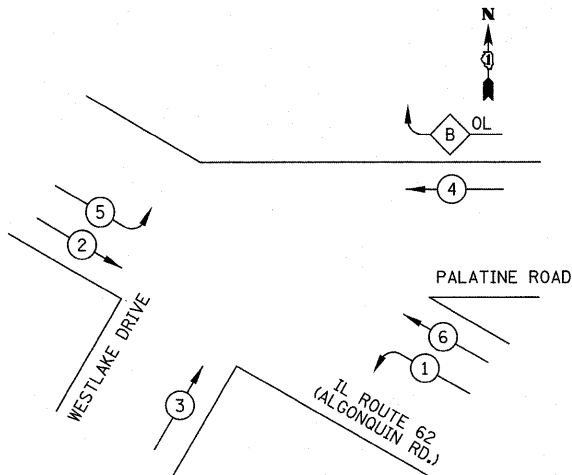
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = #USER#	DESIGNED - BRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN IL ROUTE 62 (ALGONQUIN ROAD) AT PALATINE ROAD / WESTLAKE DRIVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - OJT	REVISED -					339	2009-088I	COOK	37	24	
PLOT SCALE = #SCALE#		CHECKED - JJE	REVISED -					CONTRACT NO. 60136					
PLOT DATE = #DATE#		DATE - 11/25/09	REVISED -								FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		
				SCALE: 1" = 20'	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.						

EXISTING AND PROPOSED CONTROLLER SEQUENCE

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
COMBINATION SIGNAL HEAD, L.E.D., 2-FACE, 1-5 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1



LEGEND

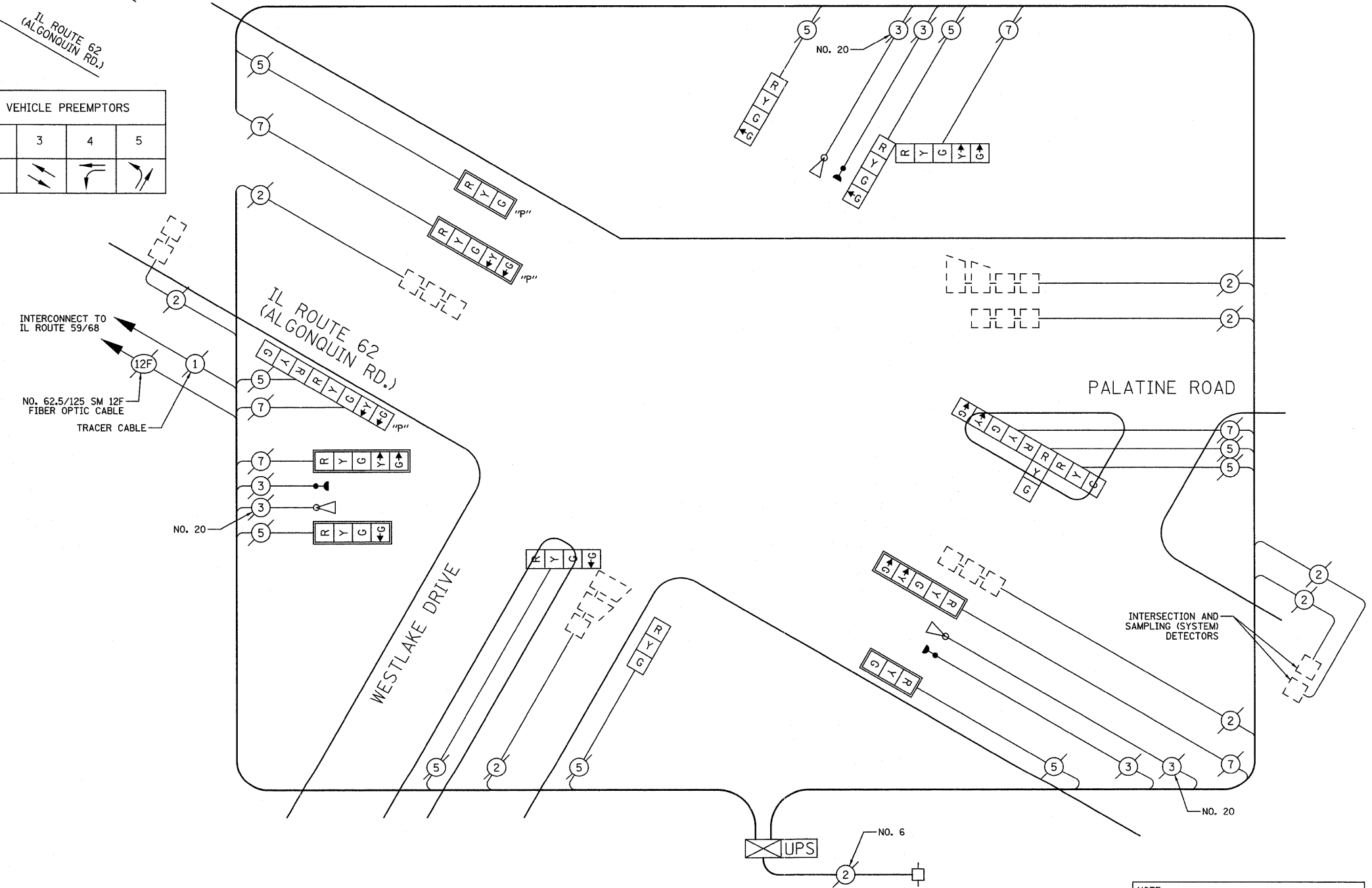
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	16	17		0.50	136
	(YELLOW)	16		0.25	
	(GREEN)	20	15	0.25	
ARROW	12	12		0.10	14
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
TOTAL =					425

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096
 CONTACT: DOTTIE PROSEN
 PHONE: (847) 816-5323
 COMPANY: COM ED

CABLE PLAN
NOT TO SCALE

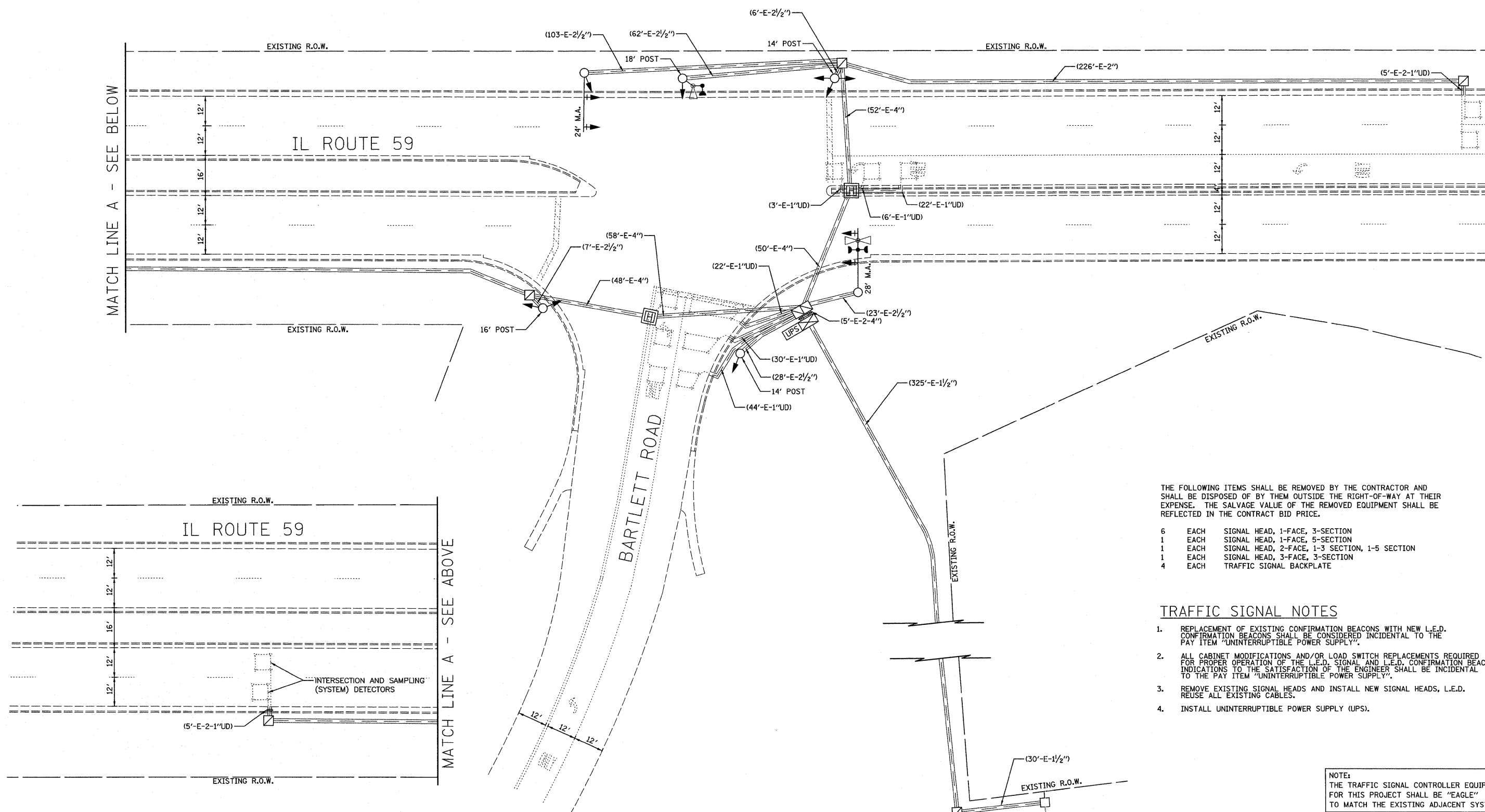
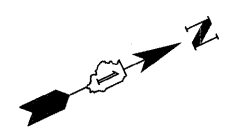
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = #USER#	DESIGNED - BRD	REVISED -
#FILE#		DRAWN - OJT	REVISED -
		CHECKED - JJE	REVISED -
		DATE - 11/25/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM
& EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
IL ROUTE 62 AT PALATINE ROAD / WESTLAKE DRIVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2009-088I	COOK	37	25
CONTRACT NO. 60136			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	



- 6 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 1 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 1 EACH SIGNAL HEAD, 3-FACE, 3-SECTION
- 4 EACH TRAFFIC SIGNAL BACKPLATE

TRAFFIC SIGNAL NOTES

1. REPLACEMENT OF EXISTING CONFIRMATION BEACONS WITH NEW L.E.D. CONFIRMATION BEACONS SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
2. ALL CABINET MODIFICATIONS AND/OR LOAD SWITCH REPLACEMENTS REQUIRED FOR PROPER OPERATION OF THE L.E.D. SIGNAL AND L.E.D. CONFIRMATION BEACON INDICATORS TO THE SATISFACTION OF THE ENGINEER SHALL BE INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY".
3. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS, L.E.D. REUSE ALL EXISTING CABLES.
4. INSTALL UNINTERRUPTIBLE POWER SUPPLY (UPS).

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = #FILEL*	USER NAME = #USER*	DESIGNED - BRD	REVISED -
		DRAWN - OJT	REVISED -
	PLOT SCALE = #SCALE*	CHECKED - JJE	REVISED -
	PLOT DATE = #DATE*	DATE - 11/20/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

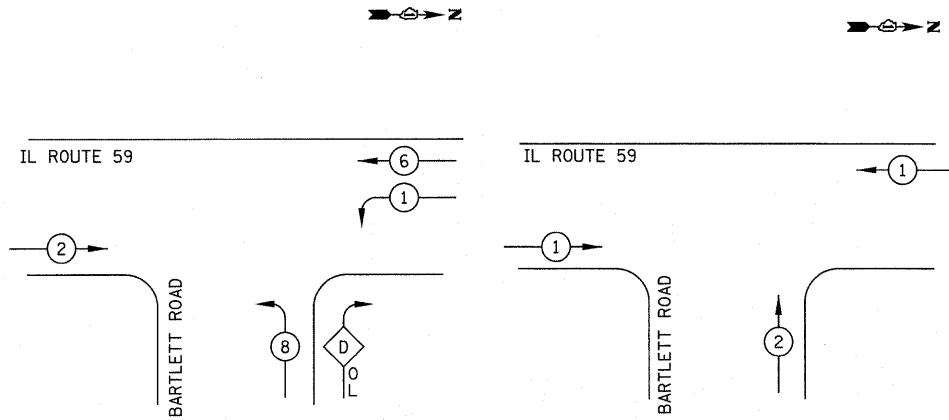
**TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 59 AT BARTLETT ROAD**

SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2009-088I	COOK	37	26
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60I36	

EXISTING AND PROPOSED CONTROLLER SEQUENCE

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	1	2
MOVEMENT		

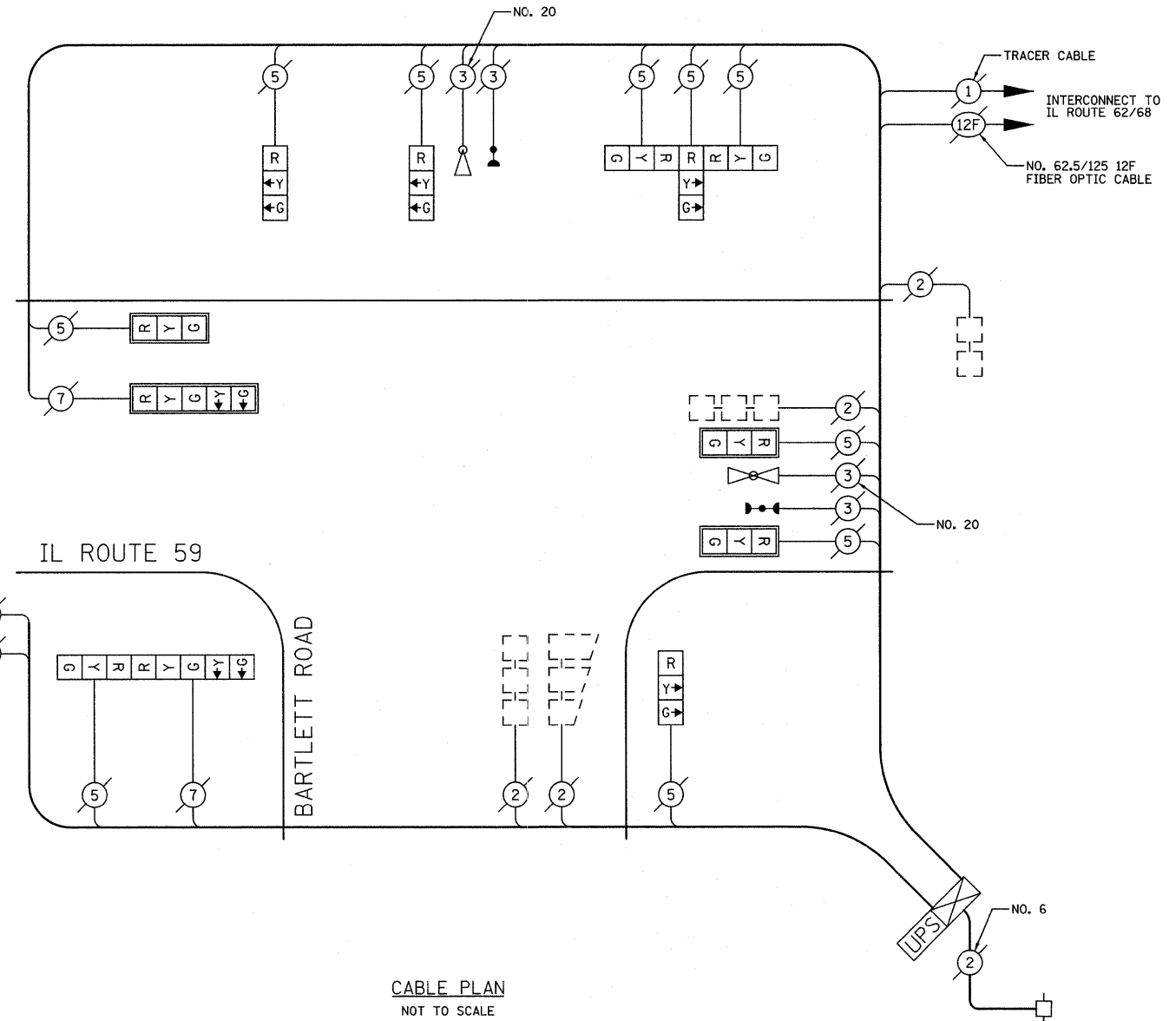
PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	1

SCHEDULE OF QUANTITIES

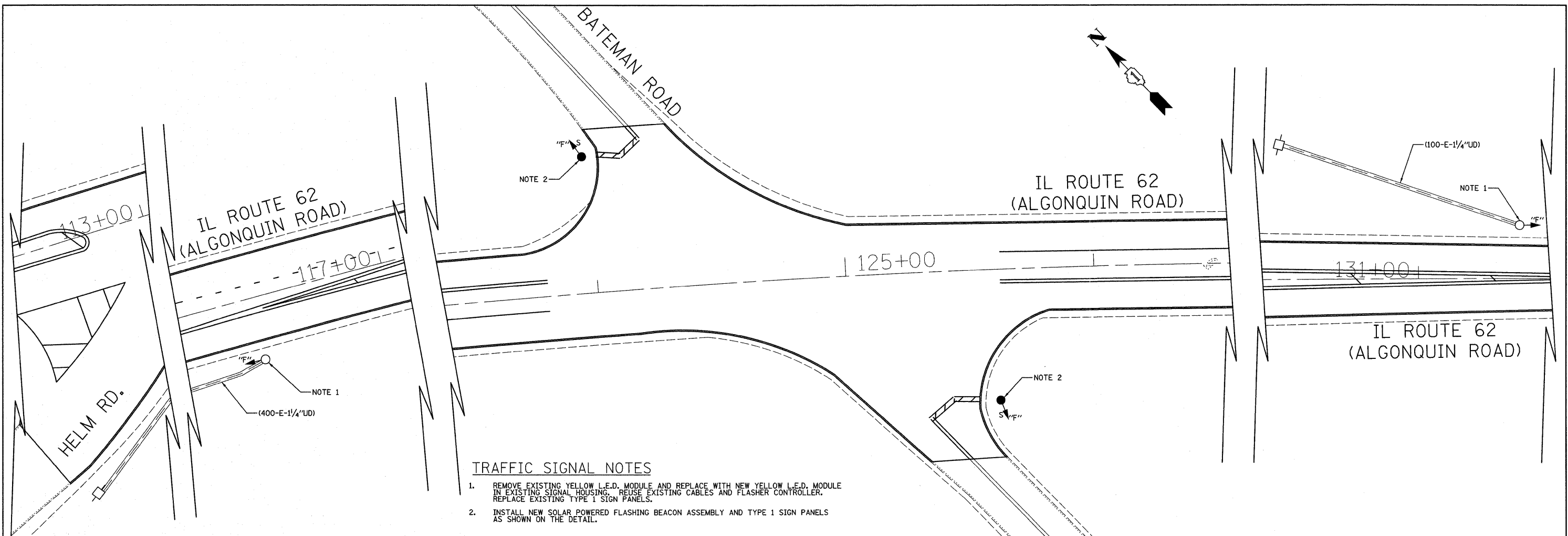
PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	12	INCAND.	17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	4		12	0.10	5
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
TOTAL =					327

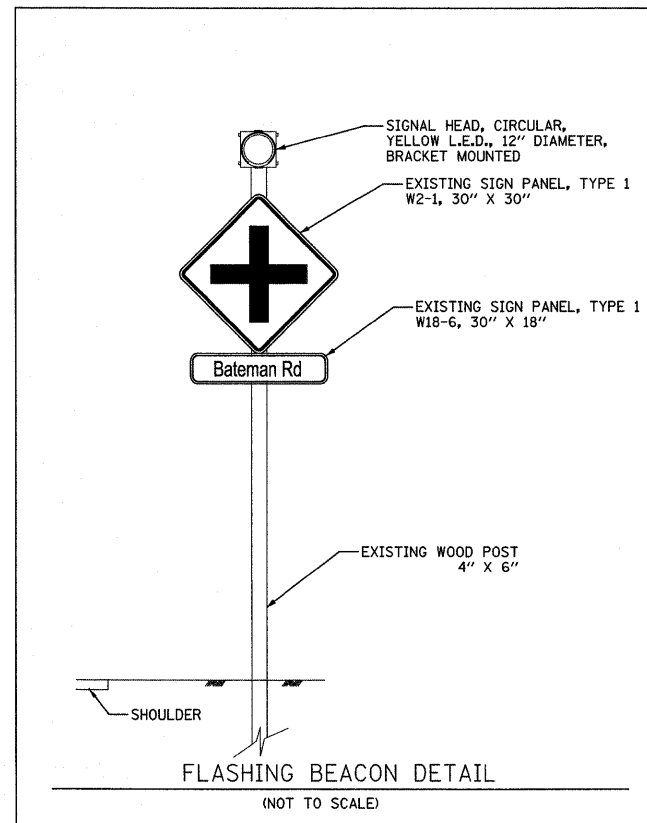
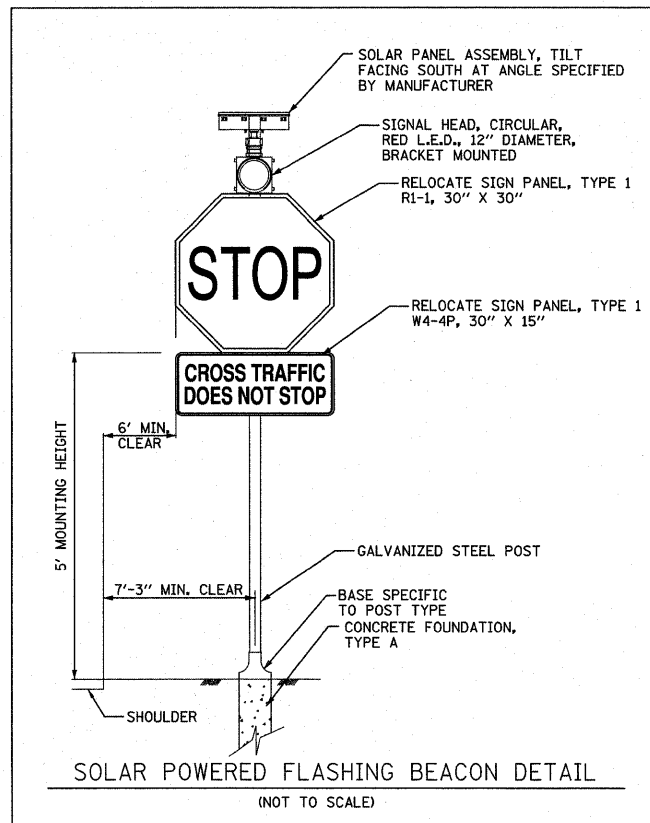
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: DOTTIE PROSEN
PHONE: (847) 816-5323
COMPANY: COM ED

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



TRAFFIC SIGNAL NOTES

1. REMOVE EXISTING YELLOW L.E.D. MODULE AND REPLACE WITH NEW YELLOW L.E.D. MODULE IN EXISTING SIGNAL HOUSING. REUSE EXISTING CABLES AND FLASHER CONTROLLER. REPLACE EXISTING TYPE 1 SIGN PANELS.
2. INSTALL NEW SOLAR POWERED FLASHING BEACON ASSEMBLY AND TYPE 1 SIGN PANELS AS SHOWN ON THE DETAIL.

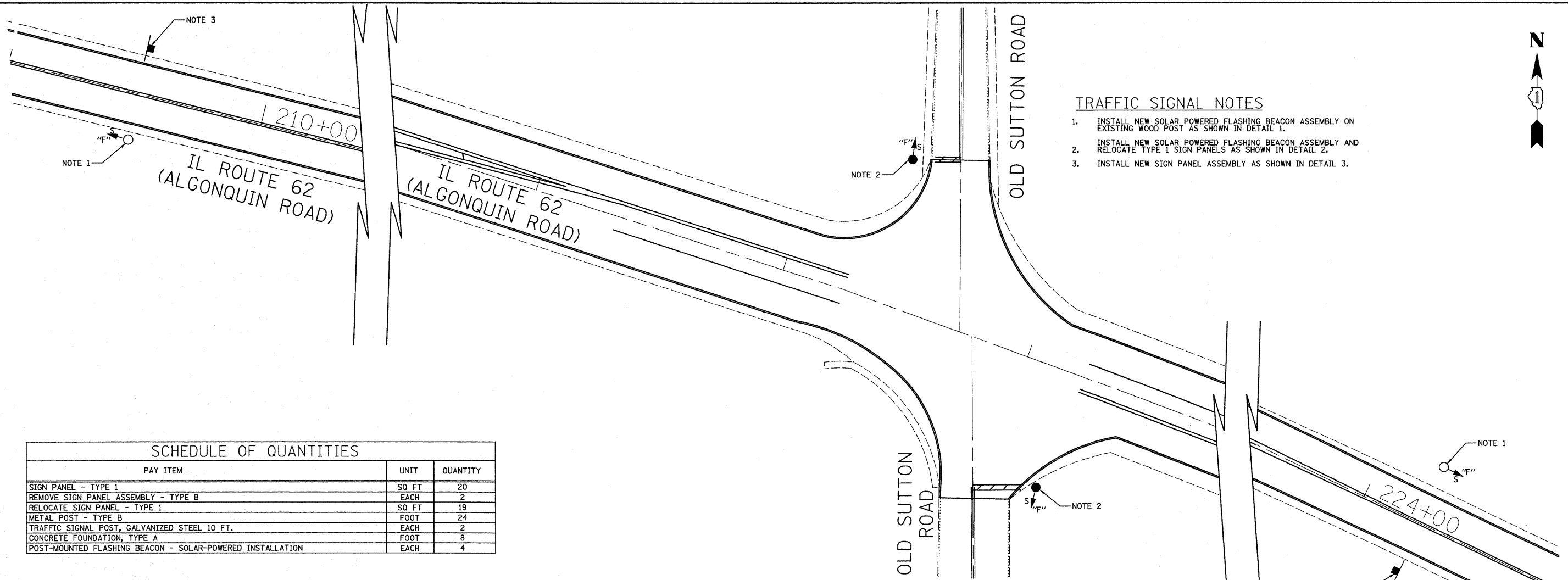


SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2
RELOCATE SIGN PANEL - TYPE 1	SQ FT	19
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
SIGNAL HEAD, L.E.D., 1-FACE, 1-SECTION, BRACKET MOUNTED, RETROFIT	EACH	2
POST-MOUNTED FLASHING BEACON - SOLAR-POWERED INSTALLATION	EACH	2

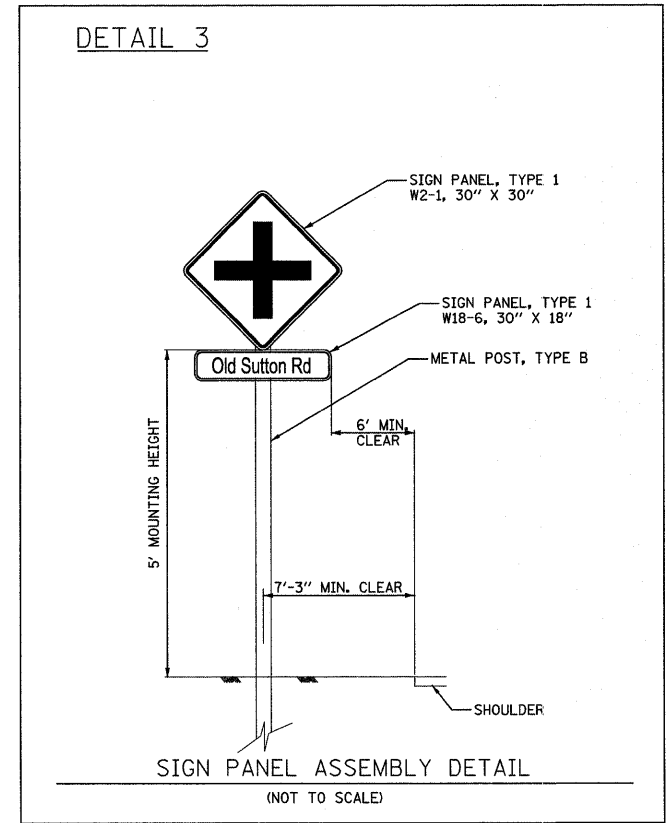
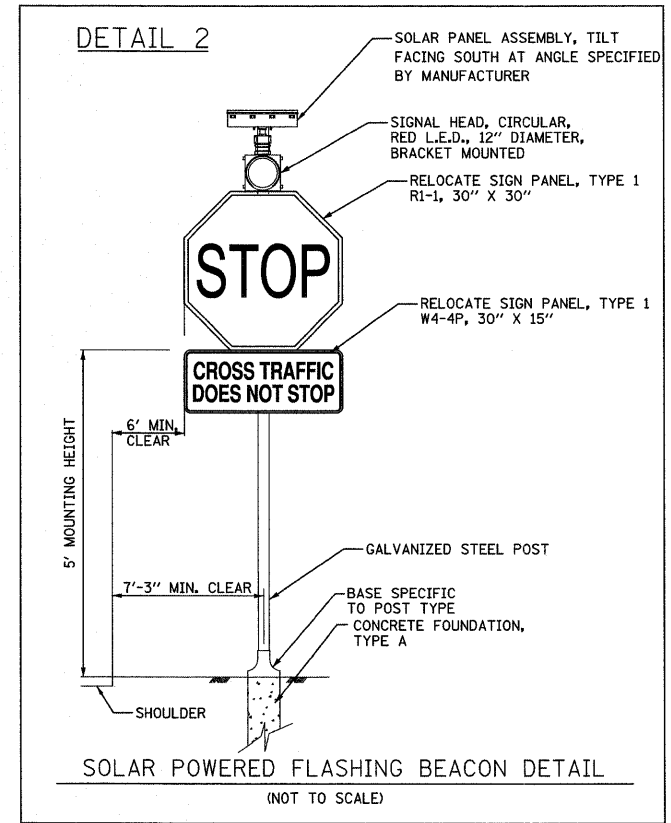
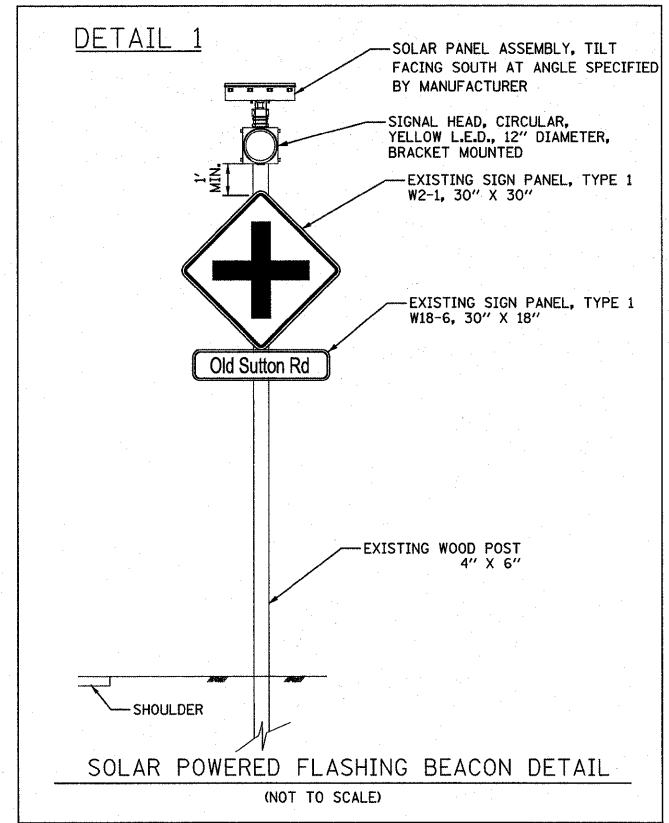


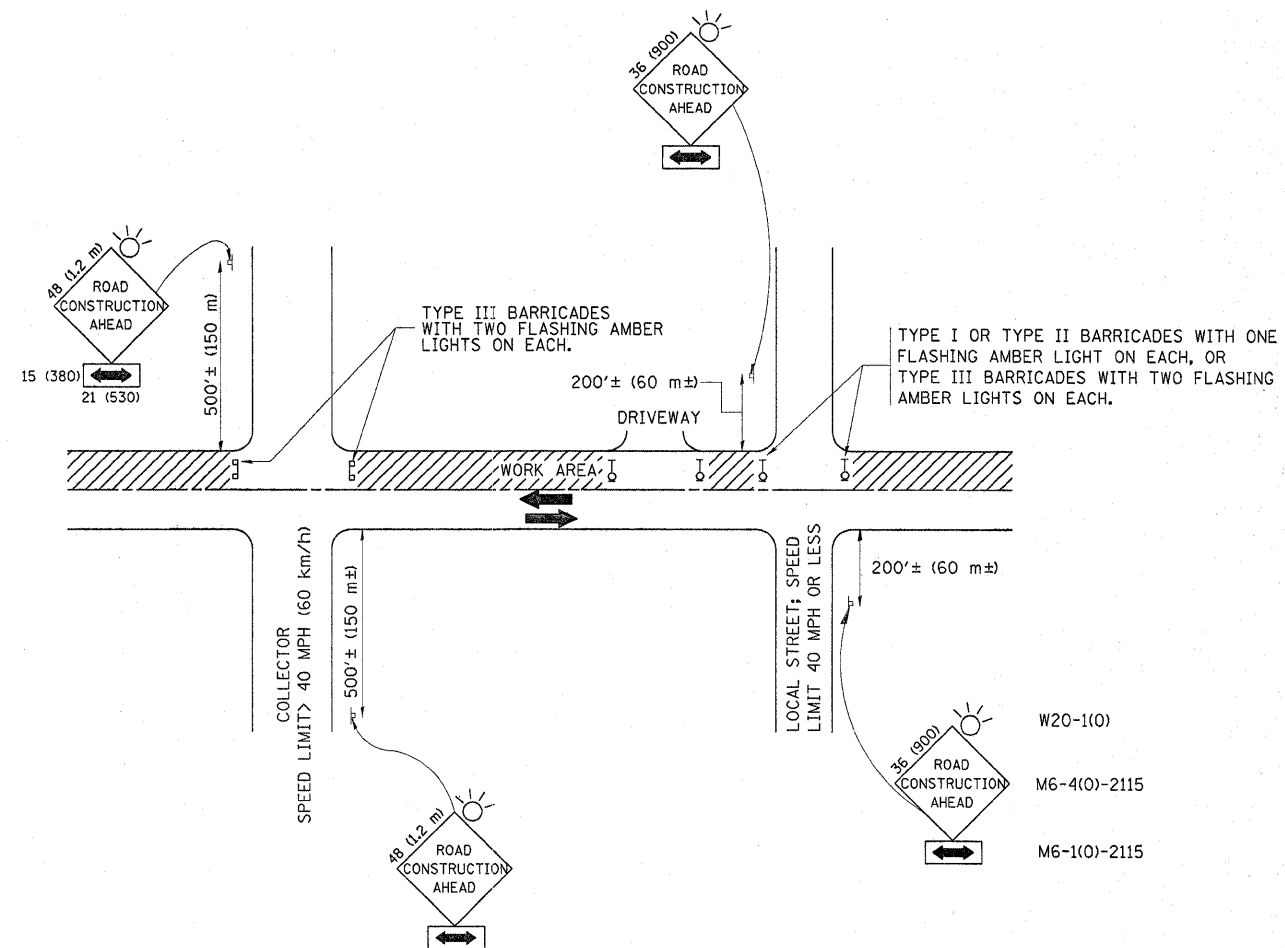
TRAFFIC SIGNAL NOTES

1. INSTALL NEW SOLAR POWERED FLASHING BEACON ASSEMBLY ON EXISTING WOOD POST AS SHOWN IN DETAIL 1.
2. INSTALL NEW SOLAR POWERED FLASHING BEACON ASSEMBLY AND RELOCATE TYPE 1 SIGN PANELS AS SHOWN IN DETAIL 2.
3. INSTALL NEW SIGN PANEL ASSEMBLY AS SHOWN IN DETAIL 3.



SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	20
REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2
RELOCATE SIGN PANEL - TYPE 1	SQ FT	19
METAL POST - TYPE B	FOOT	24
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
POST-MOUNTED FLASHING BEACON - SOLAR-POWERED INSTALLATION	EACH	4





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.

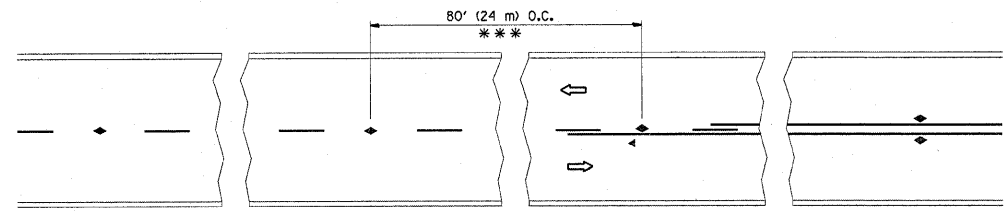
FILE NAME =	USER NAME = banks	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
c:\pwork\pwork\banks\1\2161580\Dist51.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

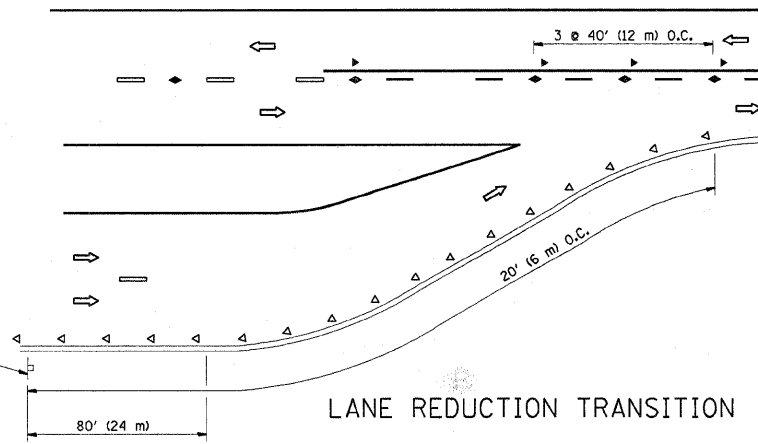
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2009-088 I	KANE / COOK	37	30
TC-10			CONTRACT NO. 60136	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

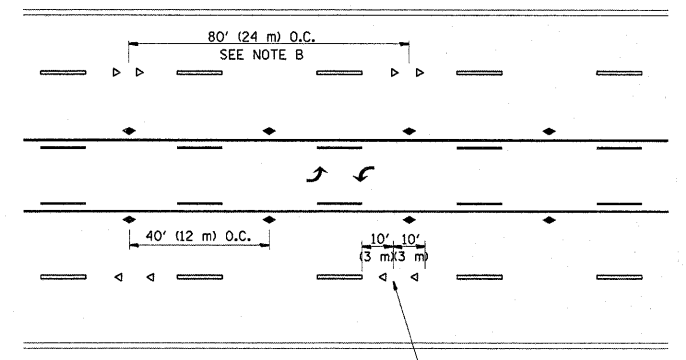


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

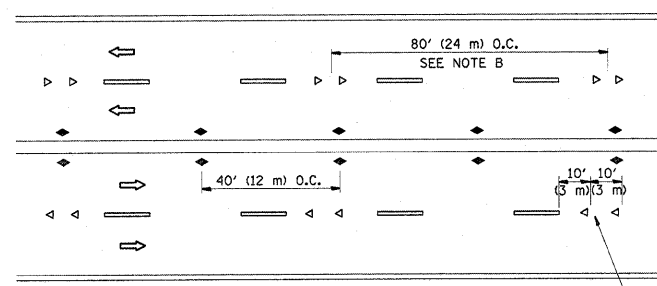
TWO-LANE/TWO-WAY



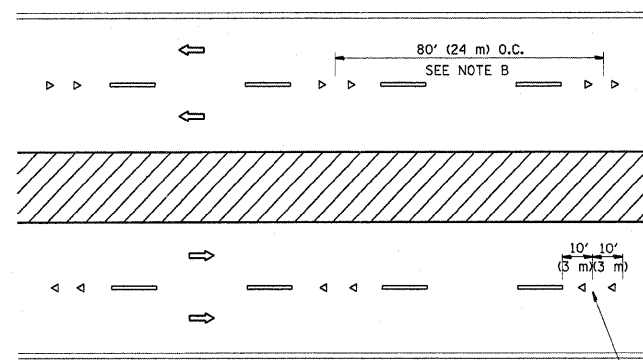
LANE REDUCTION TRANSITION



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

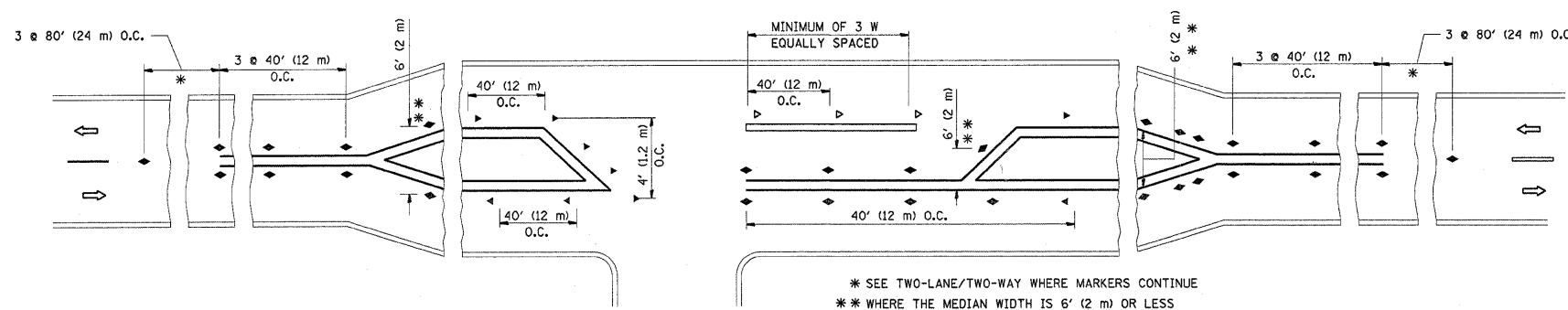
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

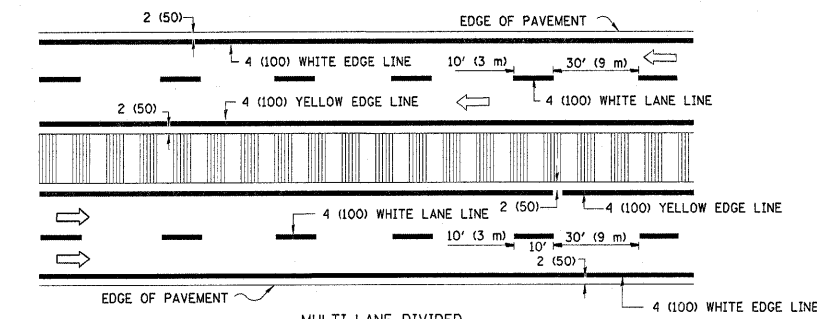
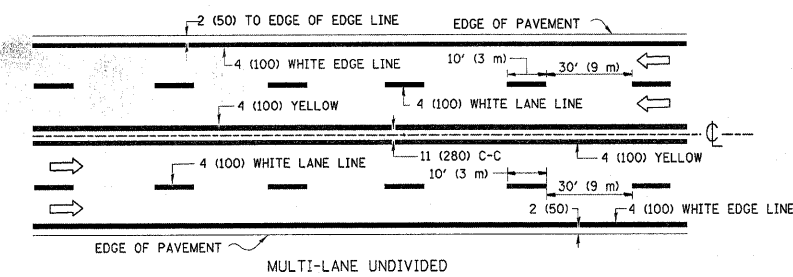
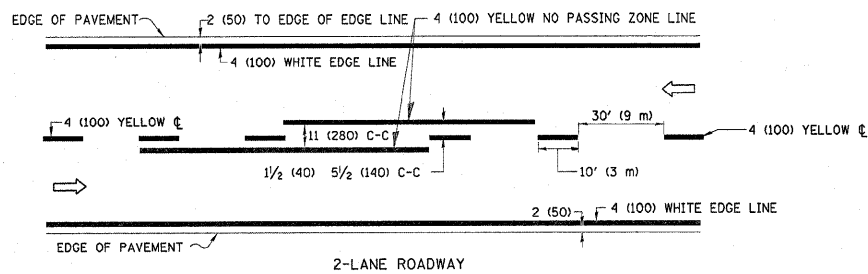


LEFT TURN

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

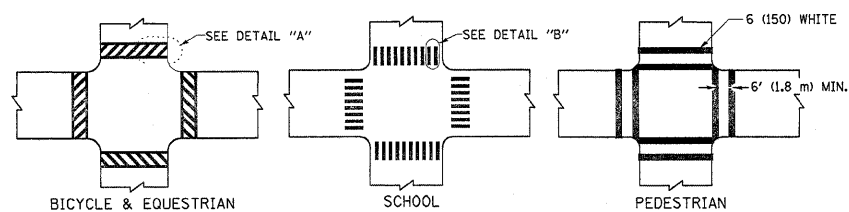
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = banks1	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwwork\banks1\0161588\Dist5.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99		339	2009-088 I	KANE / COOK	37	31			
		CHECKED -	REVISED - T. RAMMACHER 01-06-00		TC-11				CONTRACT NO.	60136		
		DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		

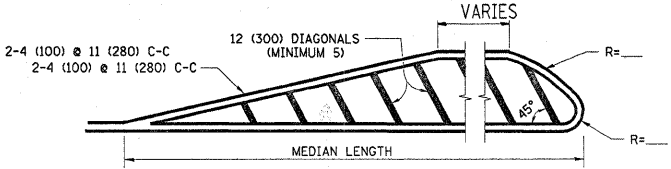
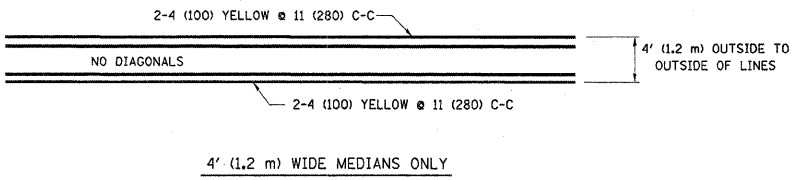


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

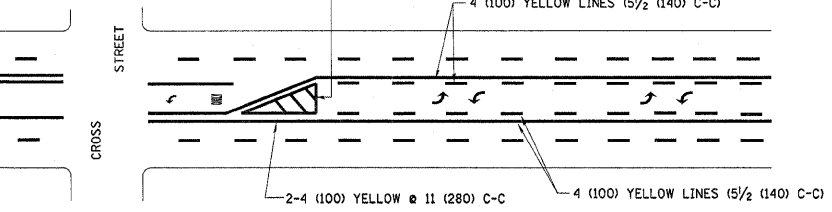


TYPICAL CROSSWALK MARKING



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

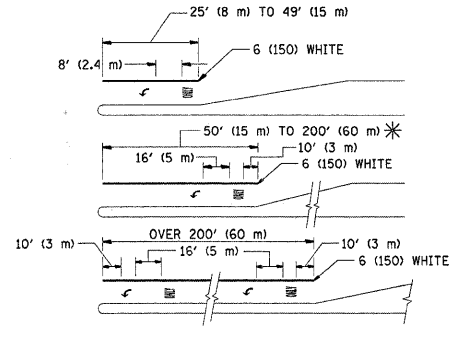


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

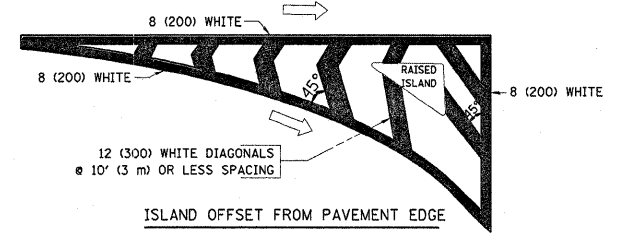
TYPICAL PAINTED MEDIAN MARKING



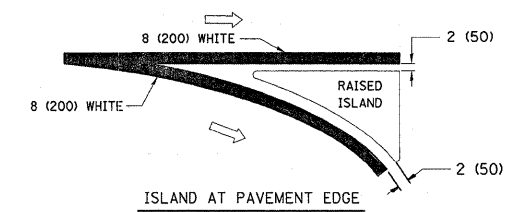
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



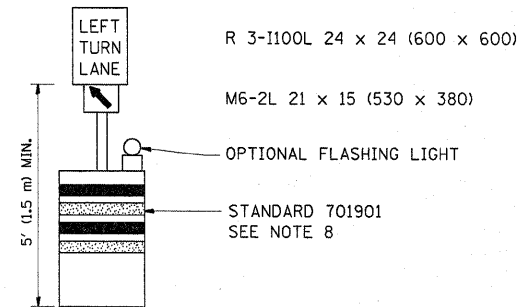
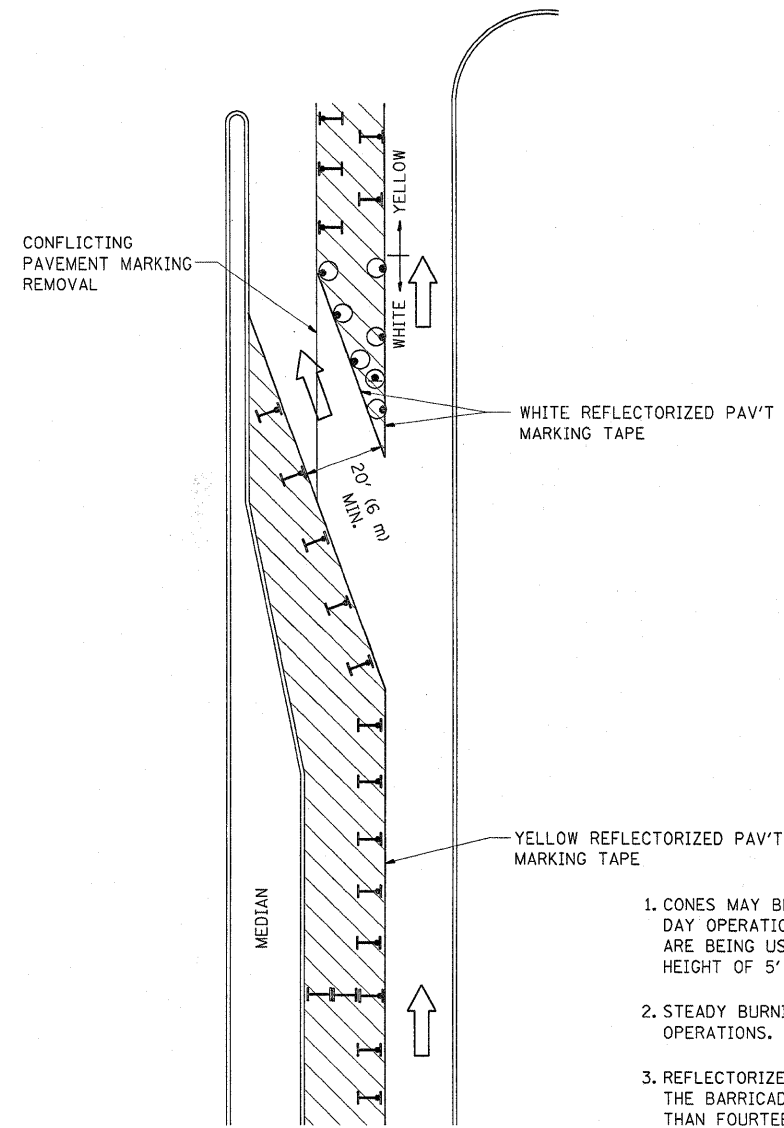
ISLAND AT PAVEMENT EDGE

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" 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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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 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 NCHR 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

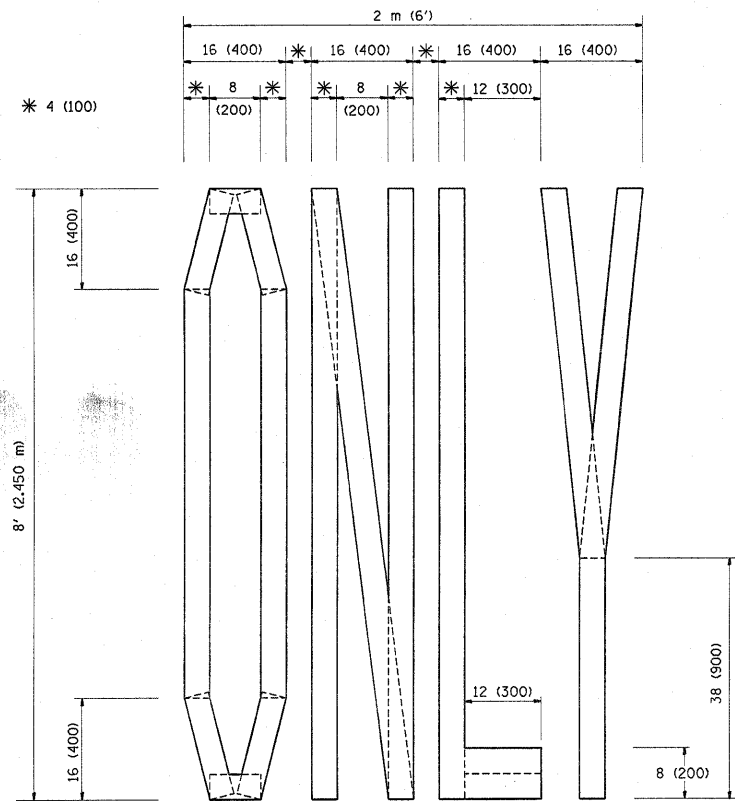
FILE NAME =	USER NAME = banks1	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
cr:\pwork\pwork\banks1\0161580\DistStp.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 50.0000' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 12/17/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

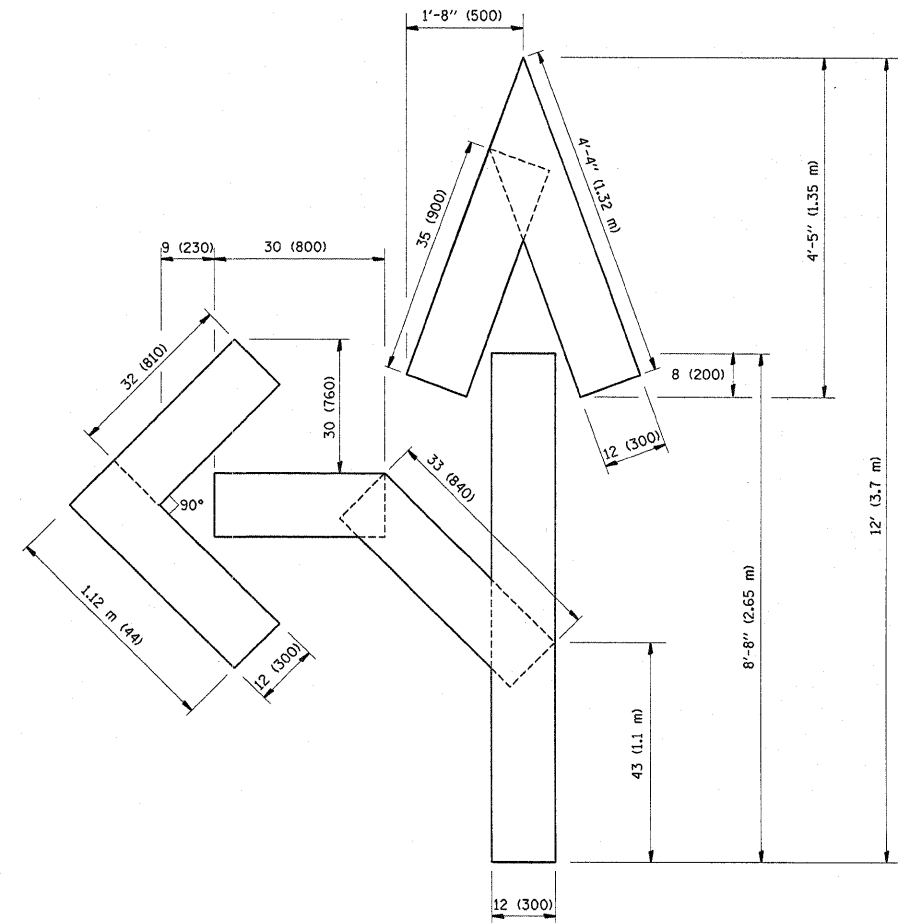
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

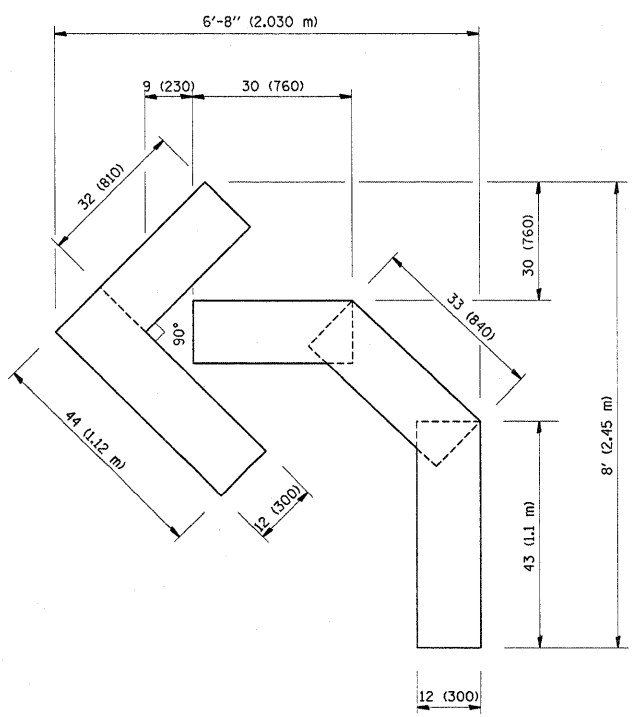
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2009-088 I	KANE / COOK	37	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60136	



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



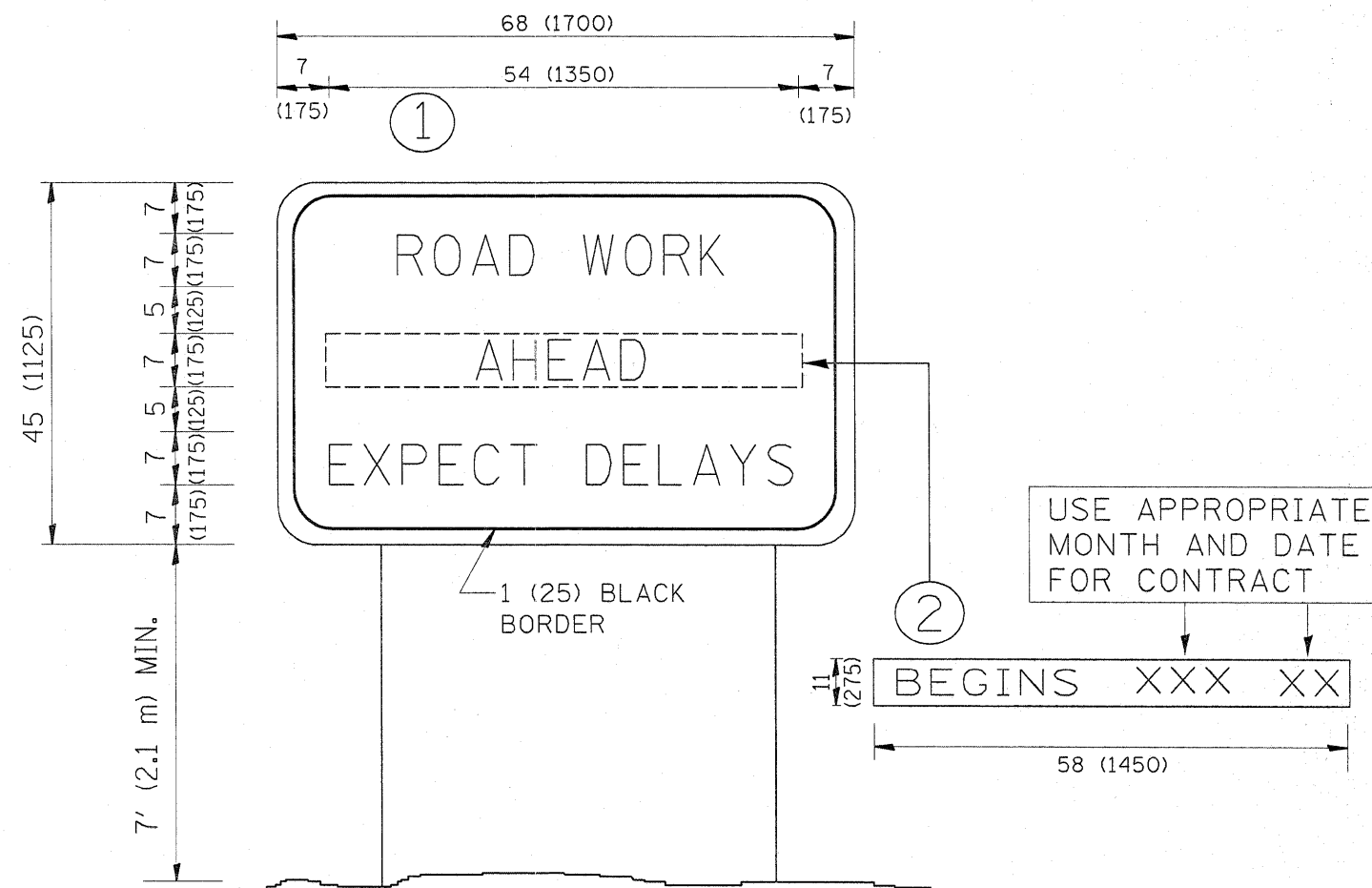
QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



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.

FILE NAME =	USER NAME = banks	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pw\work\p\idots\banks\1\0161580\1\st5.dgn		DRAWN -	REVISED -T. RAMMACHER 11-04-97		339	2009-088 I	KANE / COOK	37	34			
PLOT SCALE = 50.0000 ' / IN.		CHECKED -	REVISED -T. RAMMACHER 03-02-98		TC-16			CONTRACT NO. 60136				
PLOT DATE = 12/17/2009		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

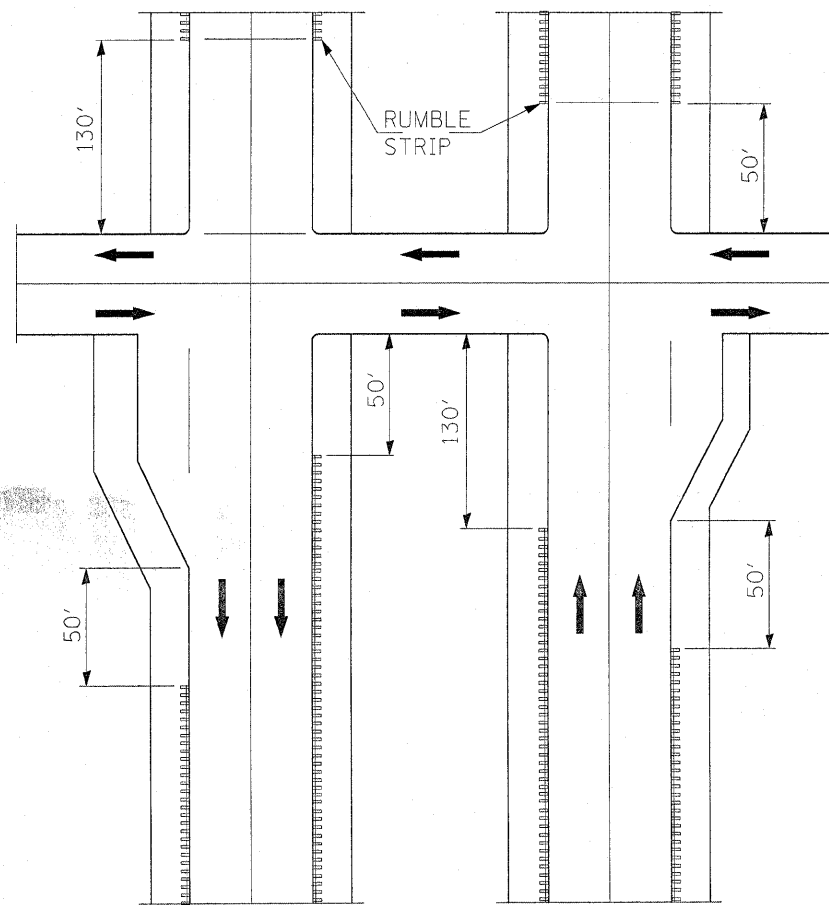


NOTES:

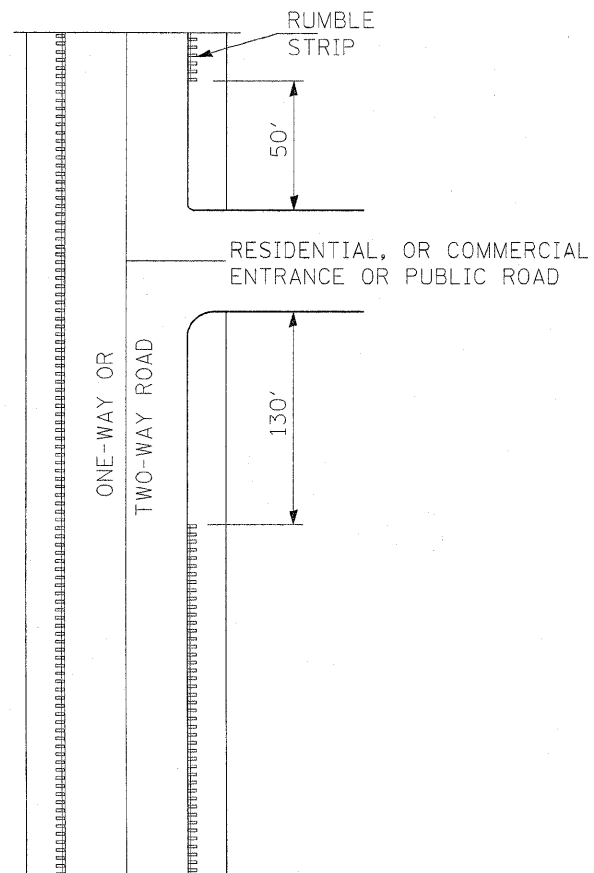
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

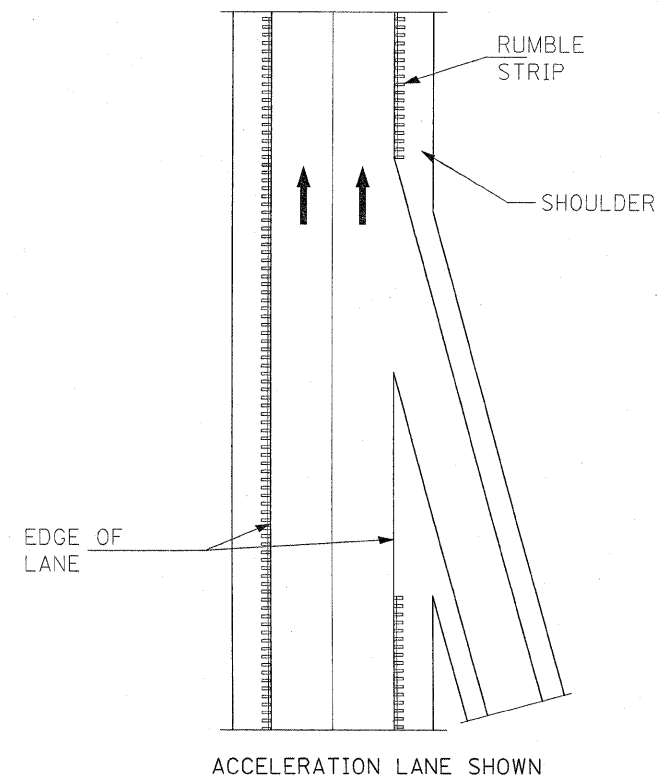
FILE NAME =	USER NAME = banks1	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\px_work\pwl\dot\banks1\d0161580\Dist\St...	DRAWN -	REVISED - R. MIRS 12-11-97	339			2009-088 I	KANE / COOK	37	35	
PLOT SCALE = 50.0000 1 / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 60136				
PLOT DATE = 12/17/2009	DATE -	REVISED - C. JUCIUS 01-31-07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.			



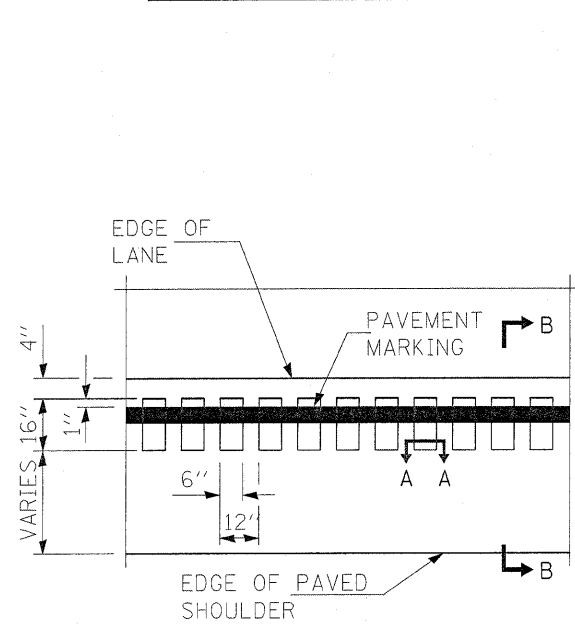
RUMBLE STRIPE EXPRESSWAY DIVIDED



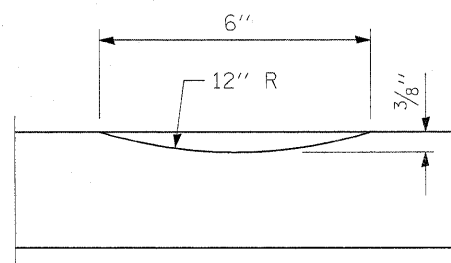
RUMBLE STRIPE INTERSECTIONS



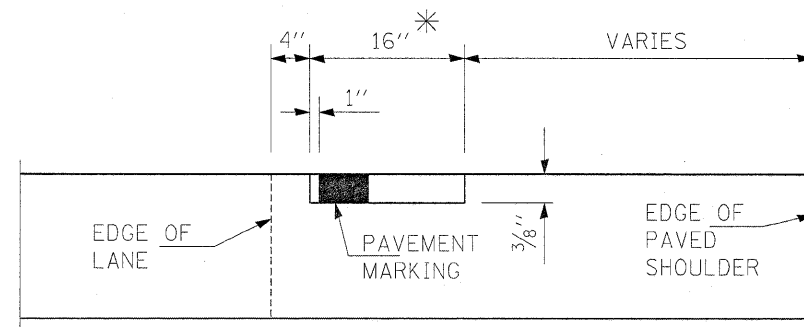
RUMBLE STRIPE ACCELERATION OR DECELERATION LANE



PLAN FOR RUMBLE STRIPE



SECTION A-A



SECTION B-B

GENERAL NOTES

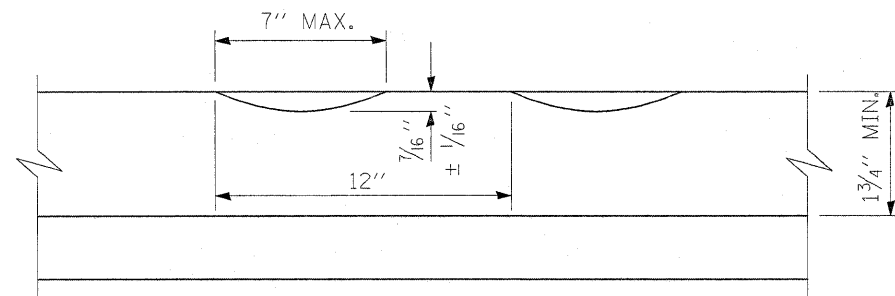
ON PORTLAND CEMENT CONCRETE SHOULDERS, NO SHOULDER RUMBLE STRIPE SHALL BE LOCATED CLOSER THAN 150 mm (6") TO A TRANSVERSE JOINT.

OMIT SHOULDER RUMBLE STRIP ACROSS STRUCTURES.

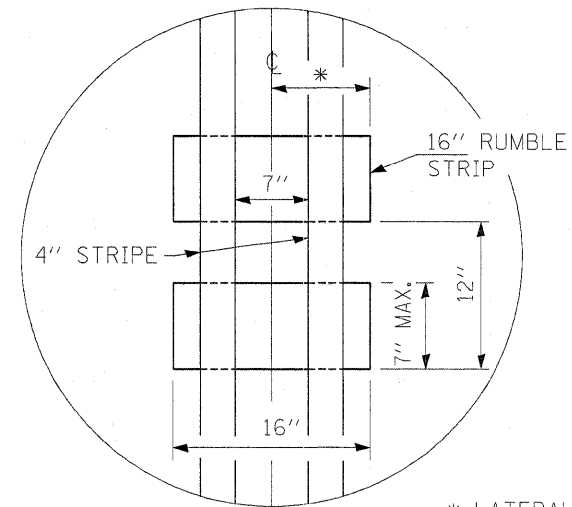
SHOULDER RUMBLE STRIPES TO BE PAID FOR AS SHOULDER RUMBLE STRIP AND THERMOPLASTIC PAVEMENT MARKING - LINE 4"

* 8" WIDE RUMBLE STRIPES TO BE INSTALLED AT LOCATIONS ADJACENT TO GUARDRAIL W. HMA SHOULDERS < 3'

FILE NAME =	USER NAME = bankal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHOULDER RUMBLE STRIPE FOR NON-FREEWAY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pw\work\pwidot\bankal\10161588\10103110-sht-plan.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			339	2009-0881	KANE/COOK	37	36	
	PLOT DATE = 12/17/2009	CHECKED -	REVISED -			CONTRACT NO. 60136					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	

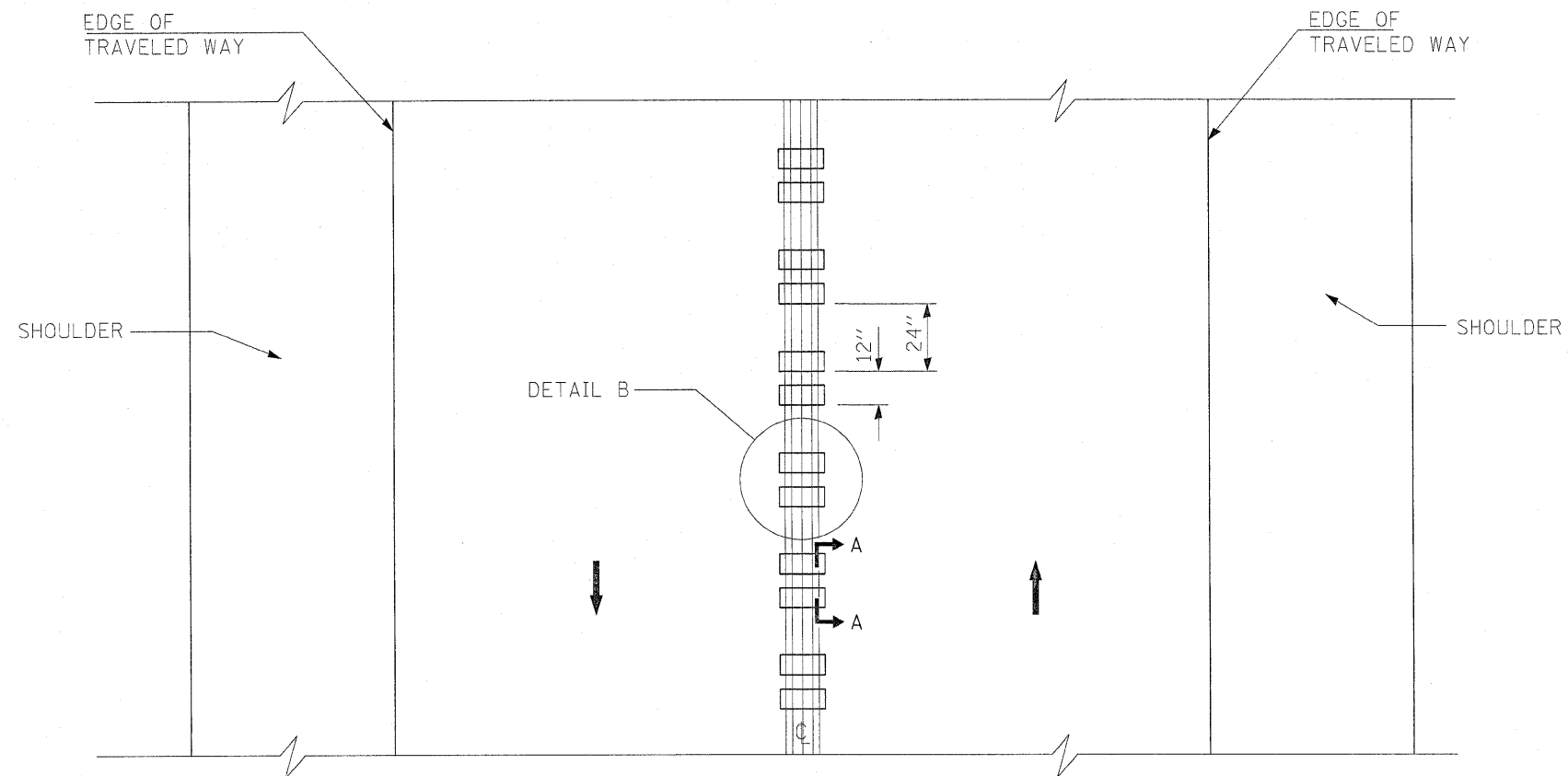


SECTION A-A



* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.

DETAIL B



TWO-WAY ROAD

GENERAL NOTES

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.

RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

CENTER LINE RUMBLE STRIPES TO BE PAID FOR AS CENTER LINE-RUMBLE STRIP AND THERMOPLASTIC PAVEMENT MARKING - LINE 4".

FILE NAME =	USER NAME = banks1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\banks1\0161568\0103118	sh-t-plan.dgn	DRAWN -	REVISED -			339	2009-0881	KANE/COOK	37	37	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 60136					
	PLOT DATE = 12/17/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE:						SHEET NO.	OF	SHEETS	STA.	TO STA.	