

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	1
		ILLINOIS	CONTRACT NO. 60B56	

D-91-369-06

04-26-13 LETTING ITEM 001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

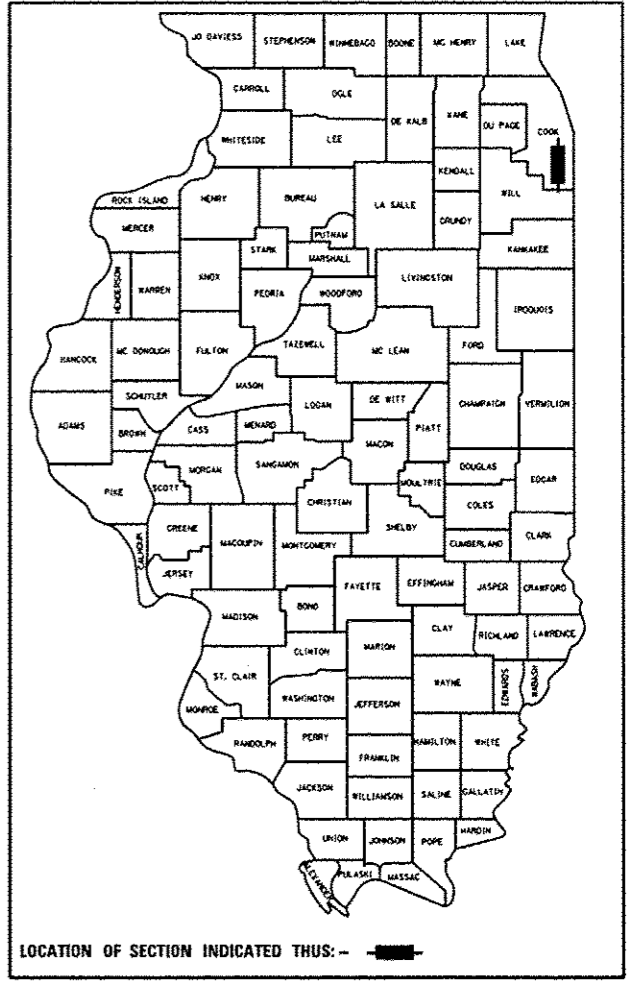
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.U. ROUTE 2921 (CHICAGO RD.)
LINCOLN AVE. TO WATER ST.
SECTION (S,B&R) RS-8
RESURFACING (3P)

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF DOLTON,
SOUTH HOLLAND, AND THORNTON



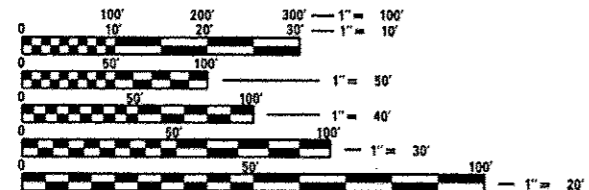
TRAFFIC DATA

2010 ADT= 5800-7400
POSTED SPEED LIMIT= 30-35 MPH

COOK COUNTY
C-91-369-06

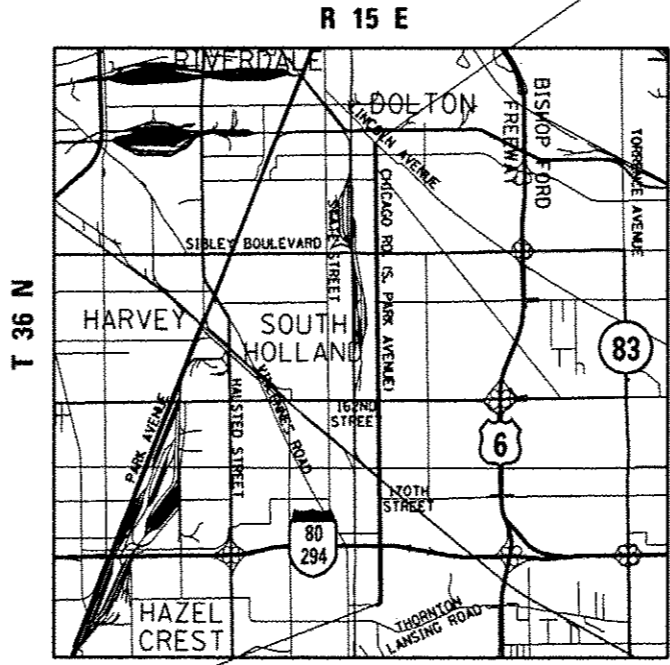
PROJECT ENDS
STATION 257+24

OMISSIONS:
39+54 TO 41+78
76+35 TO 76+68
117+47 TO 130+15
140+46 TO 142+55
197+61 TO 198+17



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 BEGINS
STATION 7+56

GROSS LENGTH = 24968.00 FT. = 4.729 MILE
NET LENGTH = 23178.00 FT. = 4.390 MILE

PROJECT ENGINEER JENPAI CHANG 847-705-4432
PROJECT MANAGER KEN ENG

CONTRACT NO. 60B56

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 10 20 12

John F. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 22 20 13
John D. Baranzelli PE
ENGINEER OF DESIGN AND ENVIRONMENT

March 22 20 13
Omec Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND PLAN NOTES
3-5	SUMMARY OF QUANTITIES
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18-22	DETECTOR LOOP REPLACEMENT PLANS
23	DETAILS FOR FRAMES & LIDS ADJUSTMENT WITH MILLING (DB-08)
24	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (DB-22)
25	CURB OR CURB & GUTTER REMOVAL & REPLACEMENT (DB-24)
26	BUTT JOINT AND HMA TAPER DETAIL (DB-32)
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30	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
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32	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
33	ARTERIAL ROAD INFORMATION SIGN (TC-22)
34	DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-05 SHEET 1)

STANDARDS

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
606001-04	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS.
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701501-06	LANE CLOSURE, 2L, 2W, UNDIVIDED FOR SPEED <45 MPH
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIUM
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-02	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
701336-06	

PLAN NOTES

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

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF DOLTON, SOUTH HOLLAND, AND THORNTON.

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

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION 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.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT (708)-597-9800 A MINIMUM OF TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.

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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

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.

WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 Km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 Km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE ENGINEER WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4596 AT LEAST 7 DAYS PRIOR TO PLANTING FOR APPROVAL OF LAYOUT OF THE TREES WHICH IS TO BE DONE BY THE CONTRACTOR.

FILE NAME :	USER NAME : ggljanob	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO RD. (LINCOLN AVE. TO WATER ST.) INDEX, STANDARDS & GENERAL NOTES	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pav\do\ggljanob\08205788\0	06905-ehi\plan.dgn	DRAWN :	REVISED :			2921	(S,B&R) RS-B	COOK	34	2
	PLOT SCALE : 1/8"=20' / in.	CHECKED :	REVISED :			CONTRACT NO. 60B56				
	PLOT DATE : 1/9/2013	DATE :	REVISED :			SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005						CODE NO	ITEM	UNIT		0005					
21101615	TOPSOIL FURNISH AND PLACE. 4"	SO YD	450	450						42400800	DETECTABLE WARNINGS	SO FT	320	320					
25200110	SODDING, SALT TOLERANT	SO YD	450	450						44000155	HOT-MIX ASPHALT SURFACE REMOVAL. 1 1/2"	SO YD	374	374					
25200200	SUPPLEMENTAL WATERING	UNIT	10	10						44000161	HOT-MIX ASPHALT SURFACE REMOVAL. 3"	SO YD	110888	110888					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	90	90						44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	60	60					
40600300	AGGREGATE (PRIME COAT)	TON	448	448						44000600	SIDEWALK REMOVAL	SO FT	1000	1000					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	168	168						44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	1184	1184					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4, 75, N50	TON	6240	6240						44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	52	52					
40600895	CONSTRUCTING TEST STRIP	EACH	2	2						44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	54	54					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1403	1403						60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	59	59					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	12546	12546						60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7	7					
42001300	PROTECTIVE COAT	SO YD	831	831						60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	40	40					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	20	20						60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	40	40					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	1000	1000						67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
										67100100	MOBILIZATION	L SUM	1	1					
										70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1					

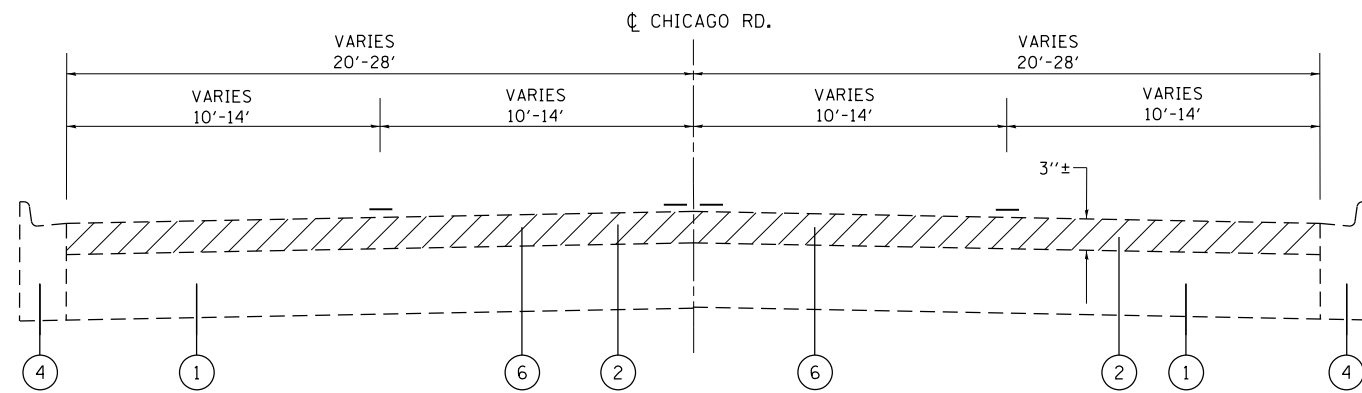
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PLT SCALE : 1/8"=1'-0"	PLT DATE : 1/8/2003	DRAWN -	REVISED -						2921	(S&R) RS-8	COOK	34	3
		CHECKED -	REVISED -						SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 60B56
		DATE -	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4523	4523					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2193	2193					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16848	16848					* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	940	940					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	50 FT	495	495					* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1705	1705					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	46735	46735					78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1535	1535					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4523	4523					* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2373	2373					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2193	2193					* B2001616	TREE, CRATAEGUS CRUSCALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	18	18					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	940	940					* B2006126	TREE, SYRINGA PEKINENSIS ZHING ZHIMING (BEIJING GOLD PEKING LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	22	22					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	50 FT	1872	1872					* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	5	5					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT	495	495					X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	50 YD	227	227					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	46735	46735														

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				CHICAGO RD. SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED	REVISED									CONTRACT NO. 60B56				
		DATE	REVISED									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

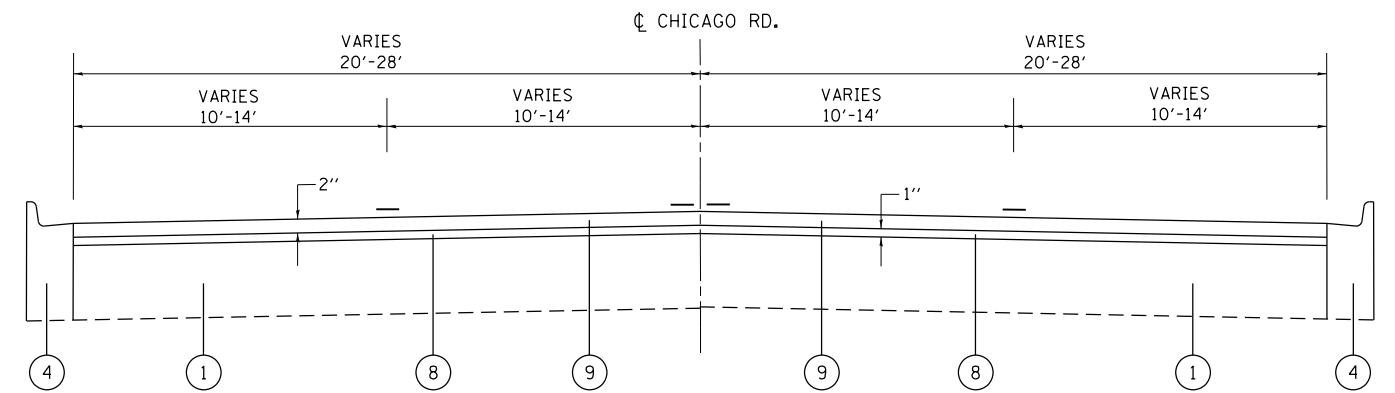
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE							SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE											
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005							CODE NO	ITEM	UNIT	TOTAL QUANTITIES												
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	7000	7000																						
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	239	239																						
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	40	40																						
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	3500	3500																						
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	10	10																						
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	263	263																						
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	10	10																						
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	52	52																						
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1																						
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1																						
	* SPECIALTY ITEMS																									

Rev.



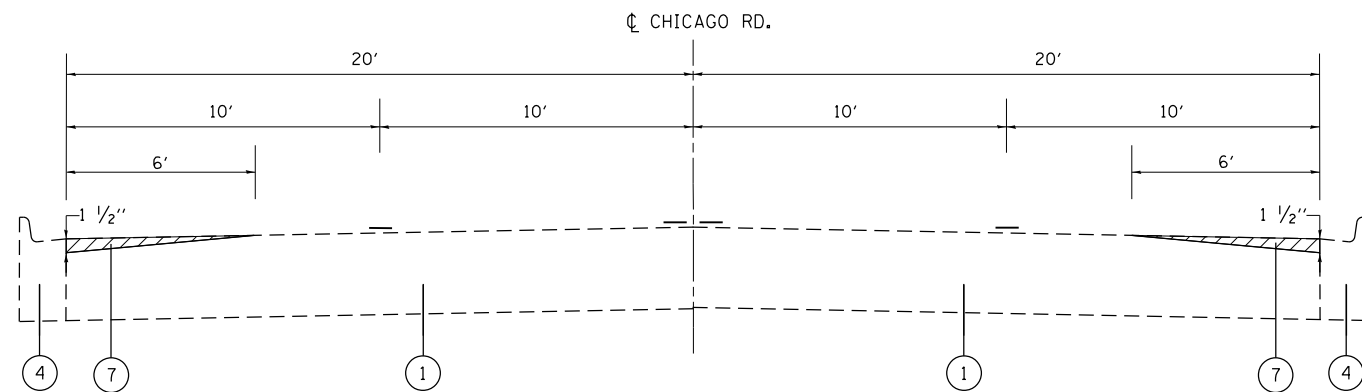
EXISTING TYPICAL CROSS SECTION

STA. 7+56 TO STA. 35+63
 STA. 37+33 TO STA. 39+24
 STA. 42+08 TO STA. 76+35
 STA. 76+68 TO STA. 112+88
 STA. 130+15 TO STA. 140+46
 STA. 142+55 TO STA. 148+24



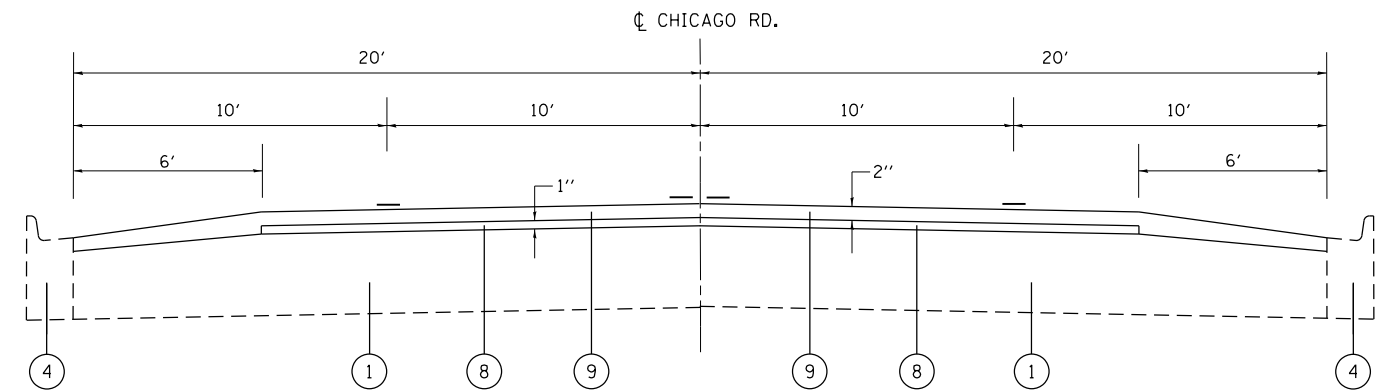
PROPOSED TYPICAL CROSS SECTION

STA. 7+25 TO STA. 35+63
 STA. 37+33 TO STA. 39+24
 STA. 42+08 TO STA. 76+35
 STA. 76+68 TO STA. 112+88
 STA. 130+15 TO STA. 140+46
 STA. 142+55 TO STA. 148+24



EXISTING TYPICAL CROSS SECTION

STA. 35+63 TO STA. 37+33



PROPOSED TYPICAL CROSS SECTION

STA. 35+63 TO STA. 37+33

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USES	AIR VOIDS AT N _{DES}
* HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 2", 1 1/2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1"	3.5% @ 50 GYR
CLASS D PATCHES, (HMA BINDER IL-19.0mm), 9"	4% @ 70 GYR
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	
HMA BASE COURSE (HMA BINDER IL-19.0mm), 6"	4% @ 50 GYR
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 2"	4% @ 50 GYR

* PFP SPECIAL PROVISION ONLY APPLIES TO HMA SURFACE COURSE, MIX D, N50

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

LEGEND

- ① EXISTING PCC BASE COURSE 9" +
- ② EXISTING HMA PAVEMENT, 3"±
- ③ EXISTING HMA PAVEMENT (OVER BRIDGE APPROACH), 1 1/2"
- ④ EXISTING CURB & GUTTER, TYPE B-6.12
- ⑤ PROPOSED HMA SURFACE REMOVAL (OVER BRIDGE APPROACH), 1 1/2"
- ⑥ PROPOSED HMA SURFACE REMOVAL, 3" (REMOVE TO P.C.C. PAVEMENT)
- ⑦ PROPOSED PCC SURFACE REMOVAL, VARIABLE DEPTH (0" TO 1 1/2")
- ⑧ POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 1"
- ⑨ PROPOSED HMA SURFACE COURSE, MIXTURE D, N50, 2"
- ⑩ PROPOSED HMA SURFACE COURSE, MIXTURE D, N50, 1 1/2"

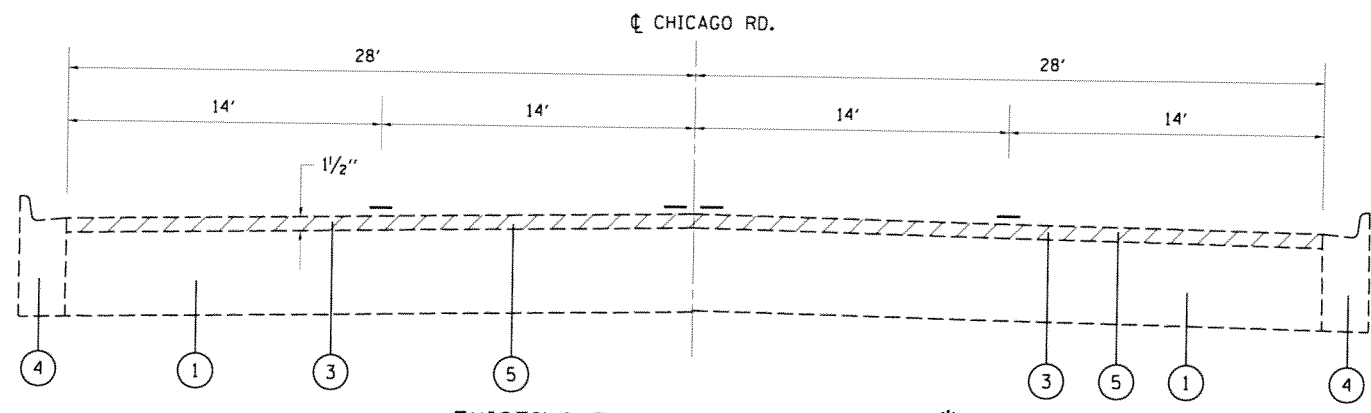
NOTE:
 CONTRACTOR SHALL MILL FIRST, BEFORE PATCHING

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	PLOT DATE = 1/8/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CHICAGO RD. (LINCOLN AVE. TO WATER ST.) EXISTING AND PROPOSED TYPICAL SECTIONS	
SCALE:	SHEET NO. 1 OF 3 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) R5-B	COOK	34	6
CONTRACT NO. 60B56			ILLINOIS FED. AID PROJECT	

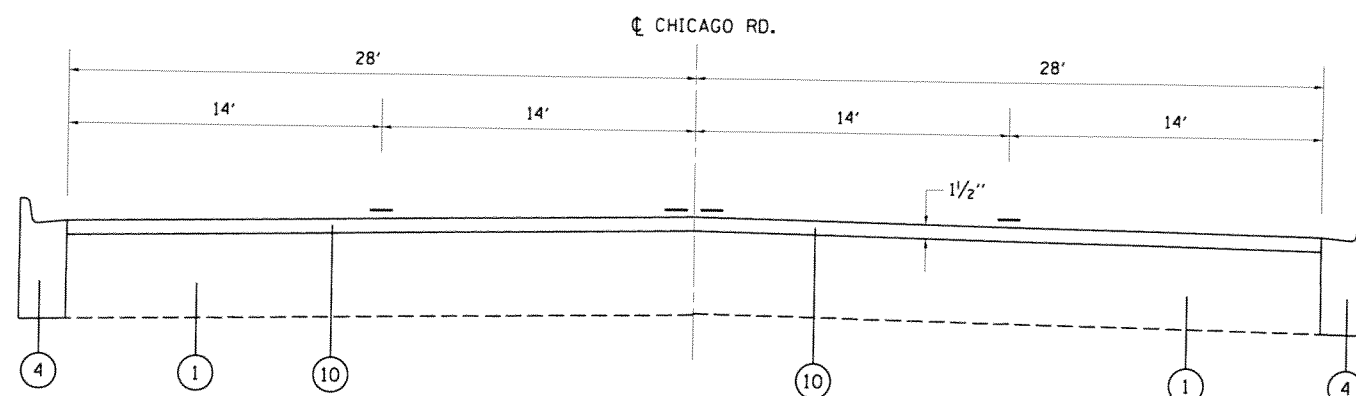


EXISTING TYPICAL CROSS SECTION *

STA. 39+24 TO STA. 39+54

STA. 41+78 TO STA. 42+08

* NOTE: THIS TYPICAL SECTION ONLY APPLIES FOR BRIDGE APPROACH SLAB

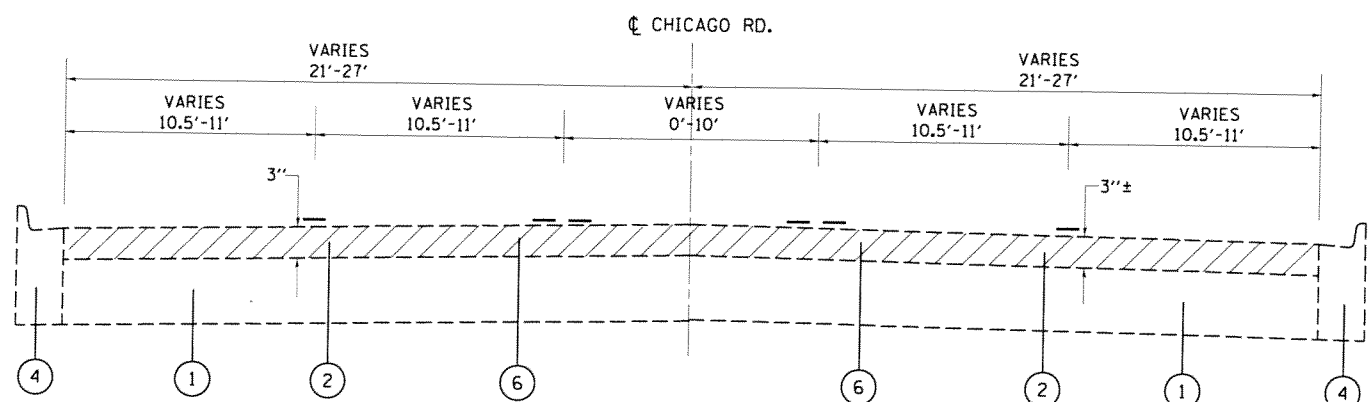


PROPOSED TYPICAL CROSS SECTION *

STA. 39+24 TO STA. 39+54

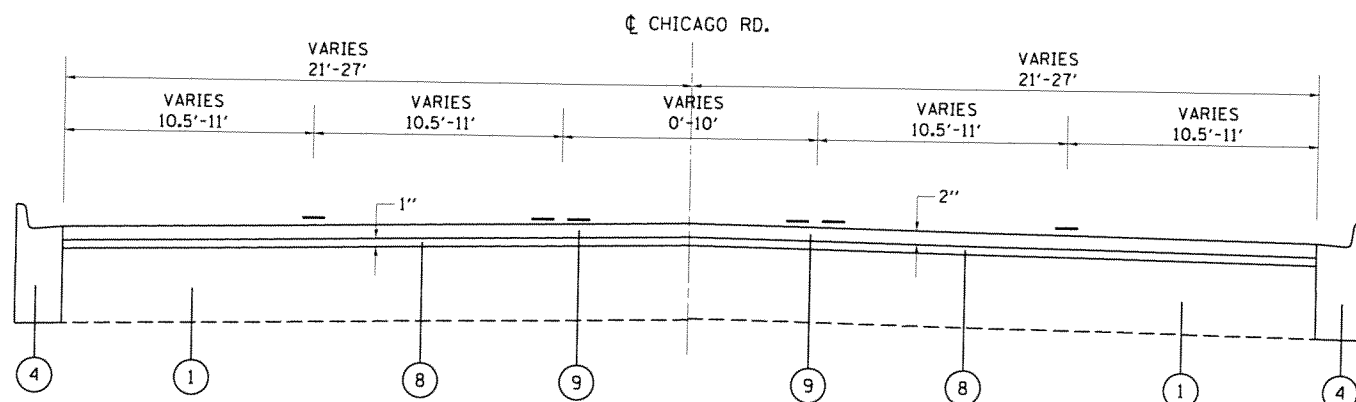
STA. 41+78 TO STA. 42+08

* NOTE: THIS TYPICAL SECTION ONLY APPLIES FOR BRIDGE APPROACH SLAB



EXISTING TYPICAL CROSS SECTION

STA. 112+88 TO STA. 117+47



PROPOSED TYPICAL CROSS SECTION

STA. 112+88 TO STA. 117+47

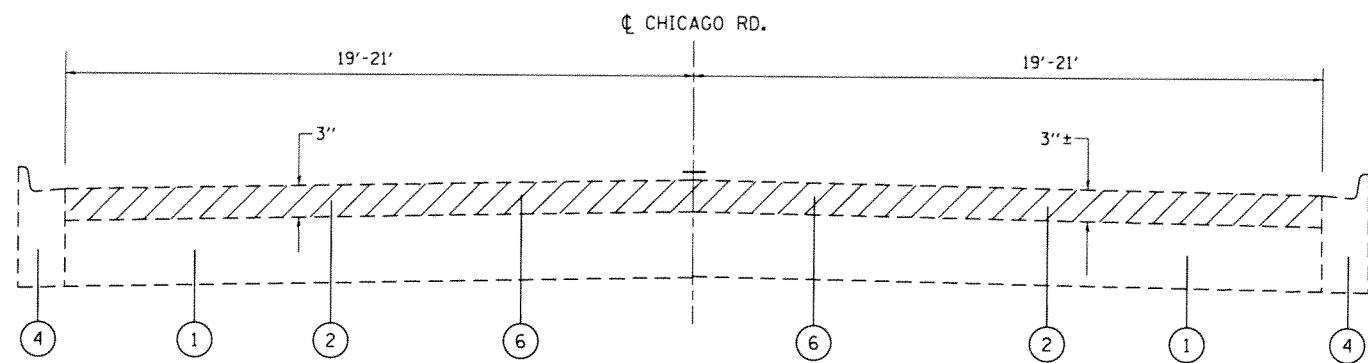
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	PLOT DATE = 9/11/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO RD. (LINCOLN AVE. TO WATER ST.)
EXISTING AND PROPOSED TYPICAL SECTIONS

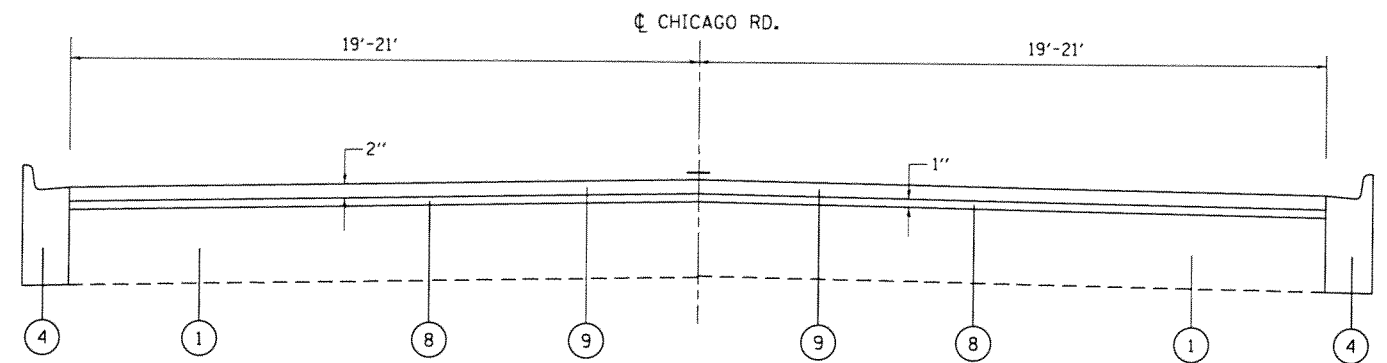
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	7
CONTRACT NO. 60B56			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.



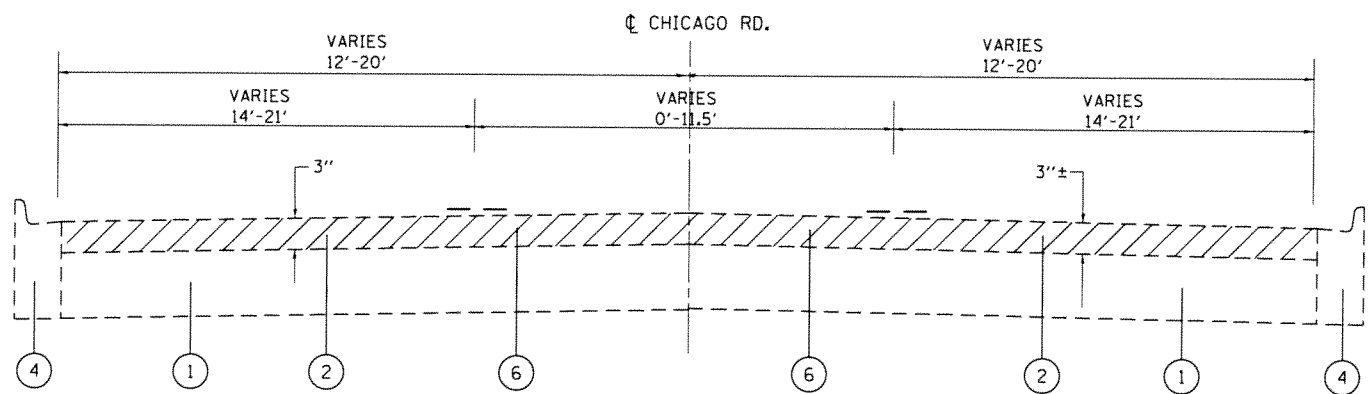
EXISTING TYPICAL CROSS SECTION

STA. 148+24 TO STA. 191+68
 STA. 203+32 TO STA. 257+24



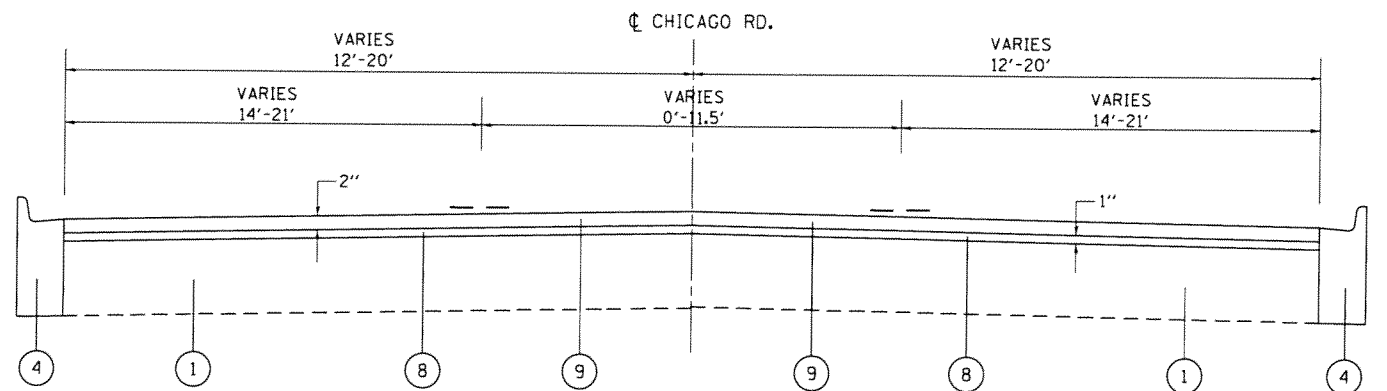
PROPOSED TYPICAL CROSS SECTION

STA. 148+24 TO STA. 191+68
 STA. 203+32 TO STA. 257+24



EXISTING TYPICAL CROSS SECTION

STA. 191+ 68 TO STA. 197+61
 STA. 198+17 TO STA. 203+32

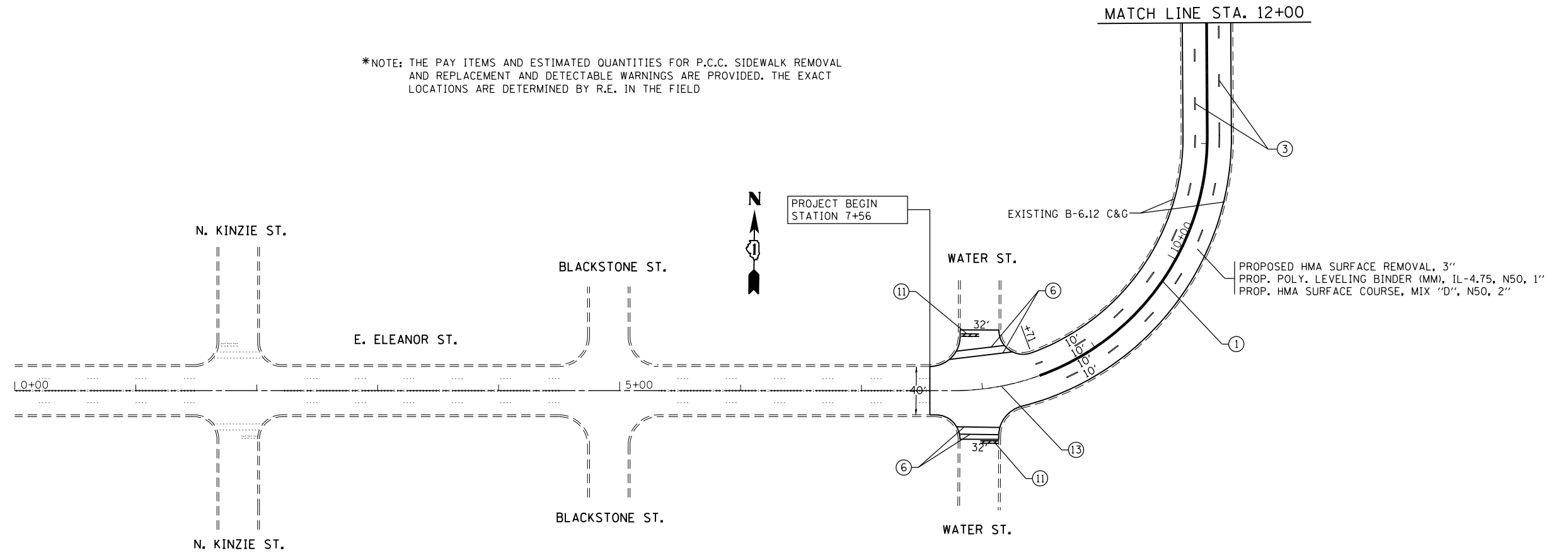


PROPOSED TYPICAL CROSS SECTION

STA. 191+68 TO STA. 197+61
 STA. 198+17 TO STA. 203+32

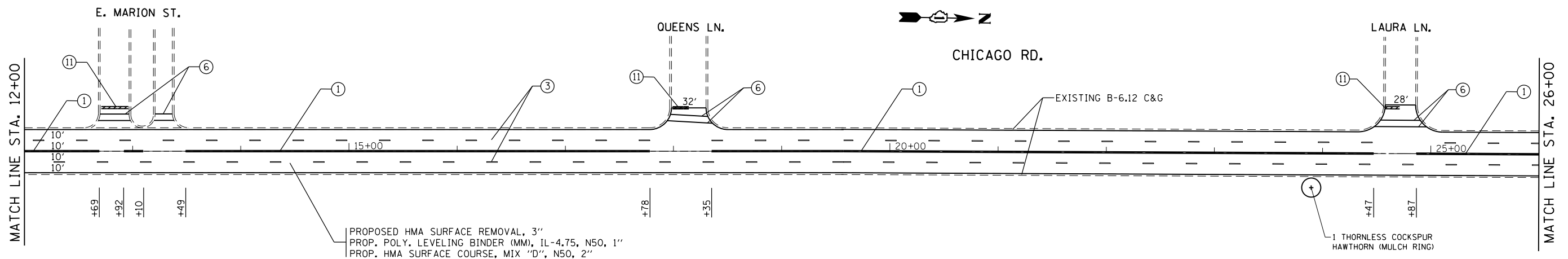
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PLOT DATE = 1/8/2013	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.			

*NOTE: THE PAY ITEMS AND ESTIMATED QUANTITIES FOR P.C.C. SIDEWALK REMOVAL AND REPLACEMENT AND DETECTABLE WARNINGS ARE PROVIDED. THE EXACT LOCATIONS ARE DETERMINED BY R.E. IN THE FIELD



NOTE:
-FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKERS.

NOTES FOR SIDE STREETS:
-RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS, UNLESS OTHERWISE NOTED.
-PROPOSED HMA SURFACE REMOVAL, 3"
-PROP. POLY LEVELING BINDER (MM), IL-4.75, N50, 1"
-PROP. HMA SURFACE COURSE, MIX "D", N50, 2"



NOTE:
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THERMOPLASTIC PAVEMENT MARKING LEGEND

- ① 4" DOUBLE SOLID YELLOW LINE, 11" C-C
- ② 4" SKIP-DASH YELLOW CENTERLINE, 10' LINE WITH 30' SPACE
- ③ 4" SKIP-DASH WHITE LINE, 10' LINE WITH 30' SPACE
- ④ 6" SOLID WHITE LINE (TURN LANE LINE)
- ⑤ 6" SOLID WHITE LINE (CROSSWALK)
- ⑥ 4" SOLID WHITE LINE (EDGE LINE)
- ⑦ 12" SOLID YELLOW DIAGONALS, AT 45 DEGREES
- ⑧ 12" SOLID WHITE DIAGONALS, AT 45 DEGREES
- ⑨ 12" SOLID WHITE LONGITUDINAL BARS (SCHOOL CROSSWALK)
- ⑩ 24" SOLID WHITE LINE
- ⑪ SOLID WHITE LETTERS AND SYMBOLS
- ⑫ 4" DOUBLE YELLOW LINE, 2' LINE WITH 6' SPACE

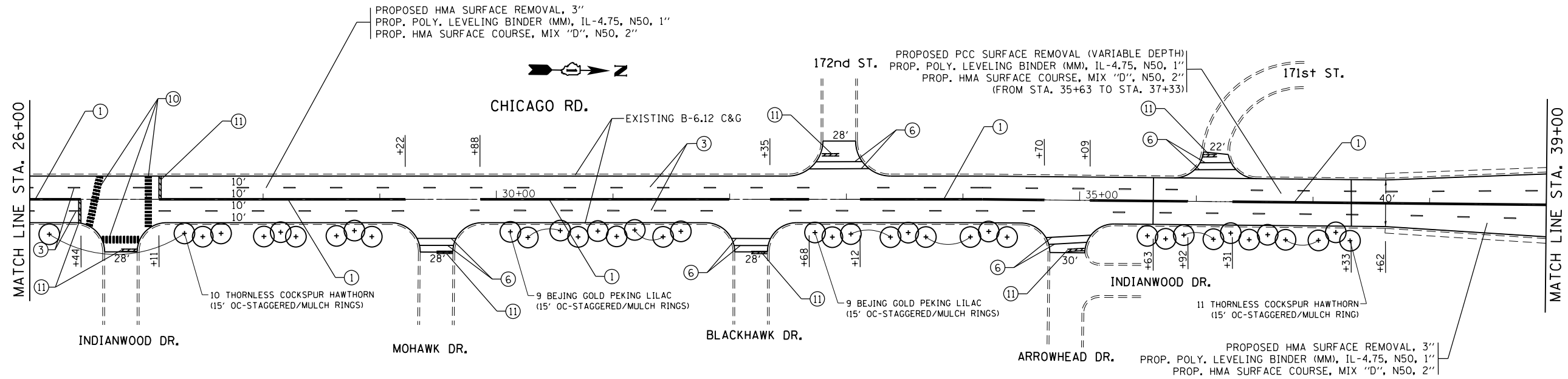
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PLOT DATE = 1/8/2013		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
CHICAGO RD. (LINCOLN AVE. TO WATER ST.)**

SCALE: SHEET NO. 1 OF 9 SHEETS STA. 0+00 TO STA. 26+00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S.B&R) R5-8	COOK	34	9
CONTRACT NO. 60B56			ILLINOIS FED. AID PROJECT	

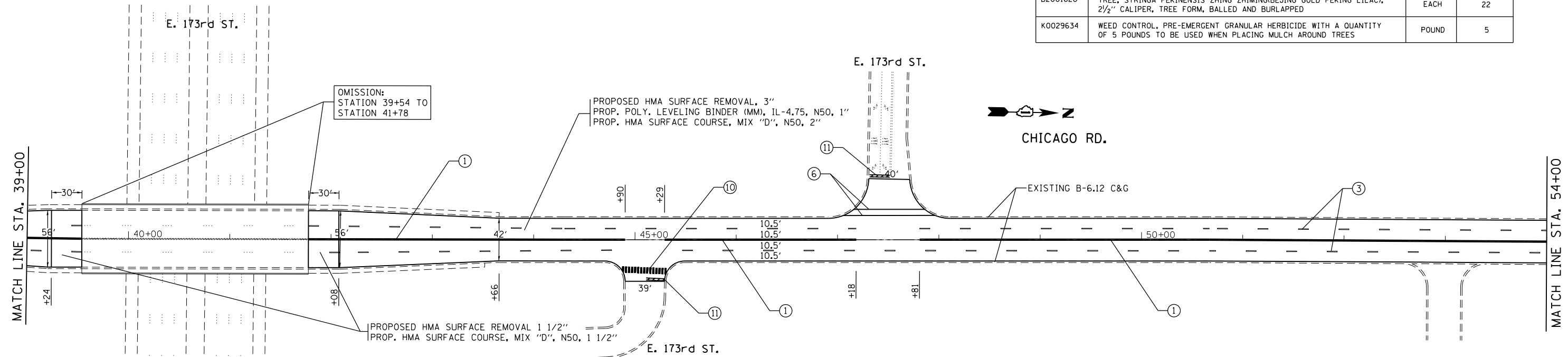


NOTE:
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 -PROP. HMA SURFACE COURSE, MIX "D", N50, 2"

LANDSCAPING PAYITEM SCHEDULE

CODE#	ITEM	UNIT	QUANTITY
25200200	SUPPLEMENTAL WATERING	UNIT	10
B2001616	TREE, CRATEAGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	18
B2001626	TREE, SYRINGA PEKINENSIS ZHING ZHIMING(BEIJING GOLD PEKING LILAC), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	22
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE WITH A QUANTITY OF 5 POUNDS TO BE USED WHEN PLACING MULCH AROUND TREES	POUND	5

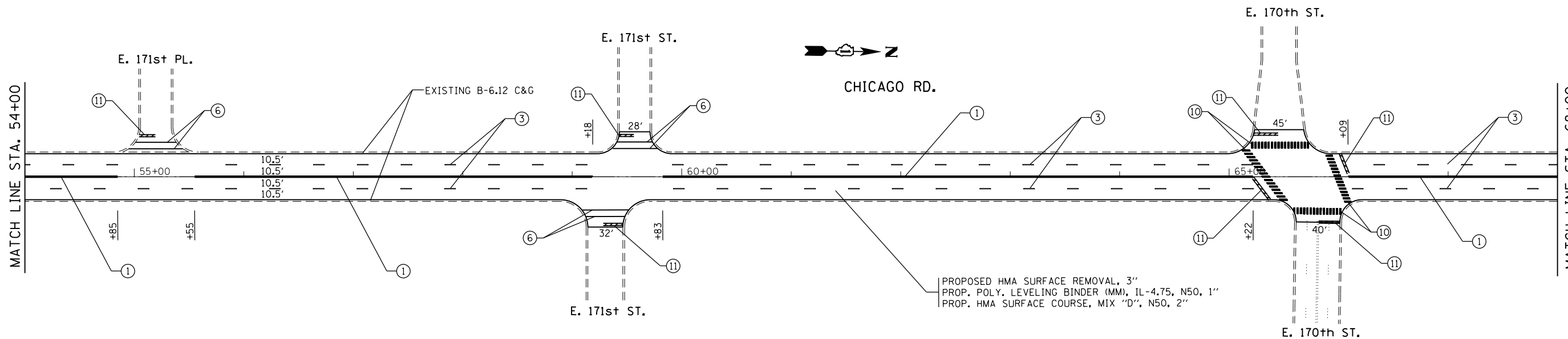


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THERMOPLASTIC PAVEMENT MARKING LEGEND

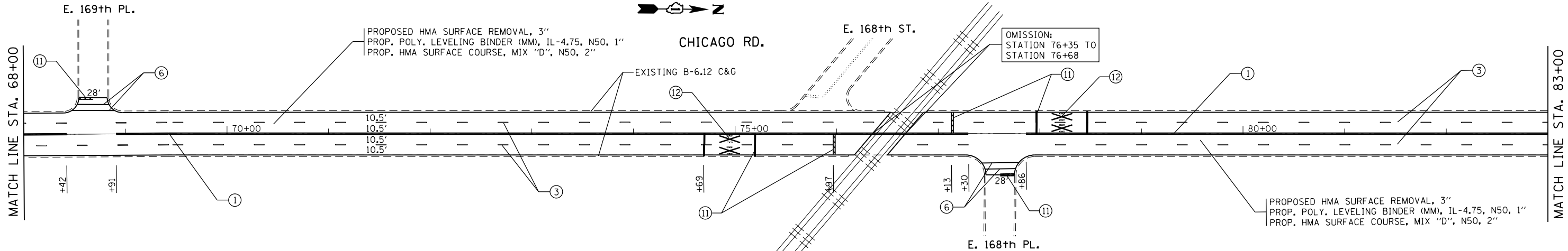
- ① 4" DOUBLE SOLID YELLOW LINE, 11" C-C
- ⑧ 12" SOLID YELLOW DIAGONALS, AT 45 DEGREES
- ② 4" SKIP-DASH YELLOW CENTERLINE, 10' LINE WITH 30' SPACE
- ⑨ 12" SOLID WHITE DIAGONALS, AT 45 DEGREES
- ③ 4" SKIP-DASH WHITE LINE, 10' LINE WITH 30' SPACE
- ⑩ 12" SOLID WHITE LONGITUDINAL BARS (SCHOOL CROSSWALK)
- ④ 6" SOLID WHITE LINE (TURN LANE LINE)
- ⑪ 24" SOLID WHITE LINE
- ⑤ 6" SOLID WHITE LINE (CROSSWALK)
- ⑫ SOLID WHITE LETTERS AND SYMBOLS
- ⑦ 4" SOLID WHITE LINE (EDGE LINE)
- ⑬ 4" DOUBLE YELLOW LINE, 2' LINE WITH 6' SPACE



NOTE:
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NOTES FOR SIDE STREETS:
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PROPOSED HMA SURFACE REMOVAL, 3"
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OMISSION:
 STATION 76+35 TO
 STATION 76+68

PROPOSED HMA SURFACE REMOVAL, 3"
 PROP. POLY. LEVELING BINDER (MM), IL-4.75, N50, 1"
 PROP. HMA SURFACE COURSE, MIX "D", N50, 2"

THEMOPLASTIC PAVEMENT MARKING LEGEND

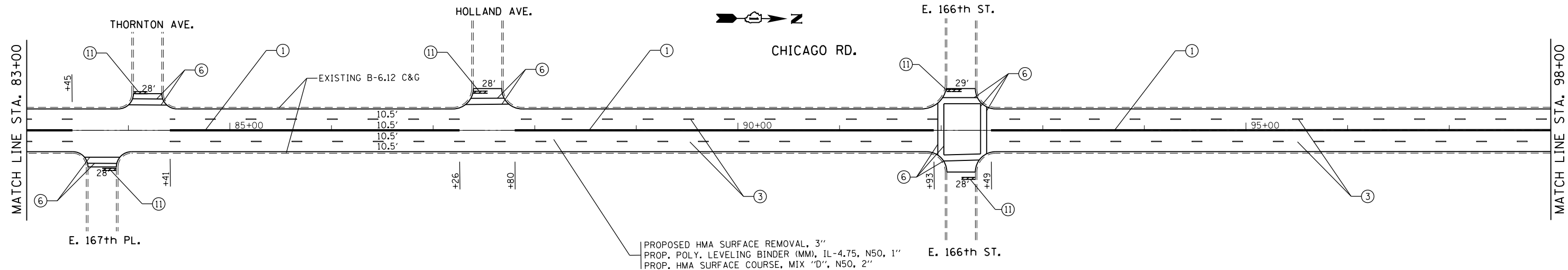
- ① 4" DOUBLE SOLID YELLOW LINE, 11" C-C
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- ⑦ 4" SOLID WHITE LINE (EDGE LINE)
- ⑬ 4" DOUBLE YELLOW LINE, 2' LINE WITH 6' SPACE

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

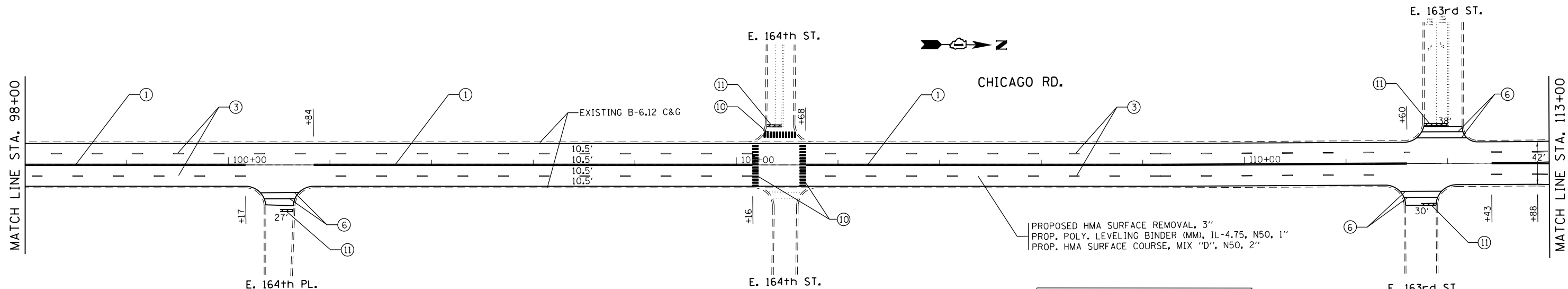
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
 CHICAGO RD. (LINCOLN AVE. TO WATER ST.)
 SCALE: SHEET NO. 3 OF 9 SHEETS STA. 54+00 TO STA. 83+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S.B&R) RS-8	COOK	34	11
CONTRACT NO. 60B56			ILLINOIS FED. AID PROJECT	



NOTE:
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THERMOPLASTIC PAVEMENT MARKING LEGEND	
① 4" DOUBLE SOLID YELLOW LINE, 11" C-C	⑧ 12" SOLID YELLOW DIAGONALS, AT 45 DEGREES
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④ 6" SOLID WHITE LINE (TURN LANE LINE)	⑪ 24" SOLID WHITE LINE
⑤ 6" SOLID WHITE LINE (CROSSWALK)	⑫ SOLID WHITE LETTERS AND SYMBOLS
⑥ 6" SOLID WHITE LINE (EDGE LINE)	⑬ 4" DOUBLE YELLOW LINE, 2' LINE WITH 6' SPACE

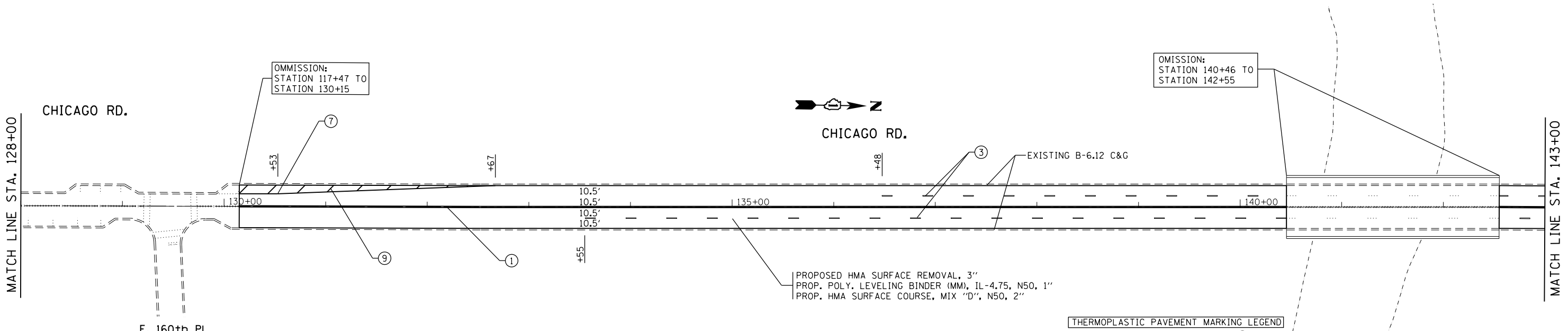
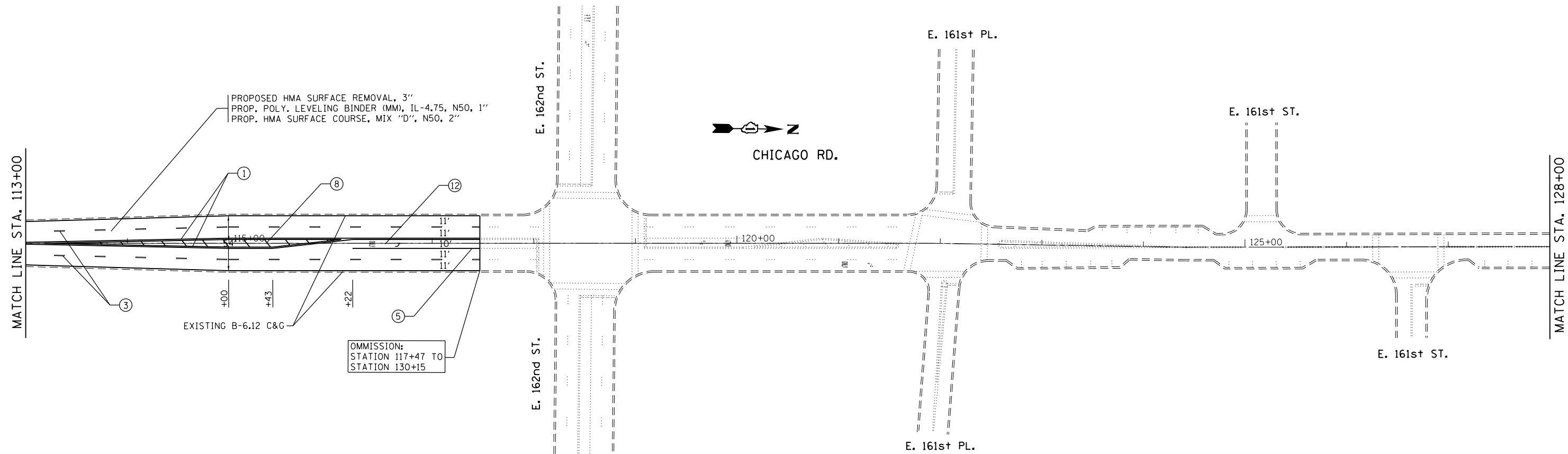
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
 CHICAGO RD. (LINCOLN AVE. TO WATER ST.)

SCALE: SHEET NO. 4 OF 9 SHEETS STA. 83+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S.B&R) RS-8	COOK	34	12
CONTRACT NO. 60B56			ILLINOIS FED. AID PROJECT	



NOTES FOR SIDE STREETS:
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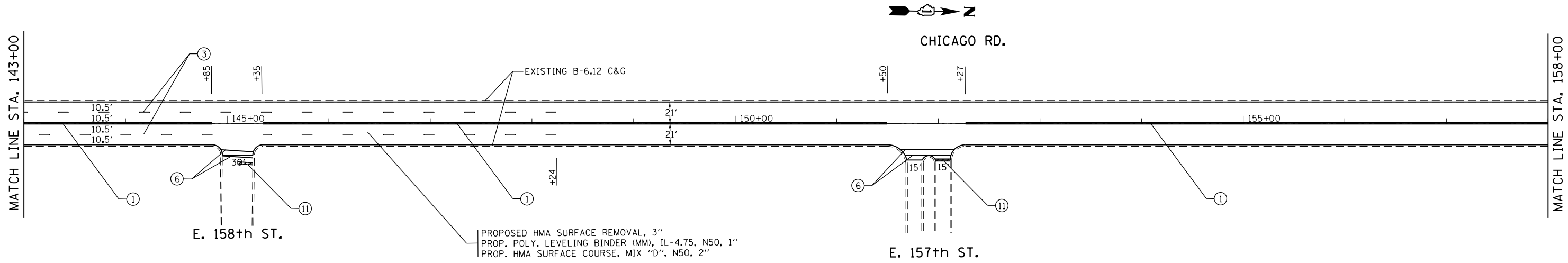
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	PLOT DATE = 1/8/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
 CHICAGO RD. (LINCOLN AVE. TO WATER ST.)

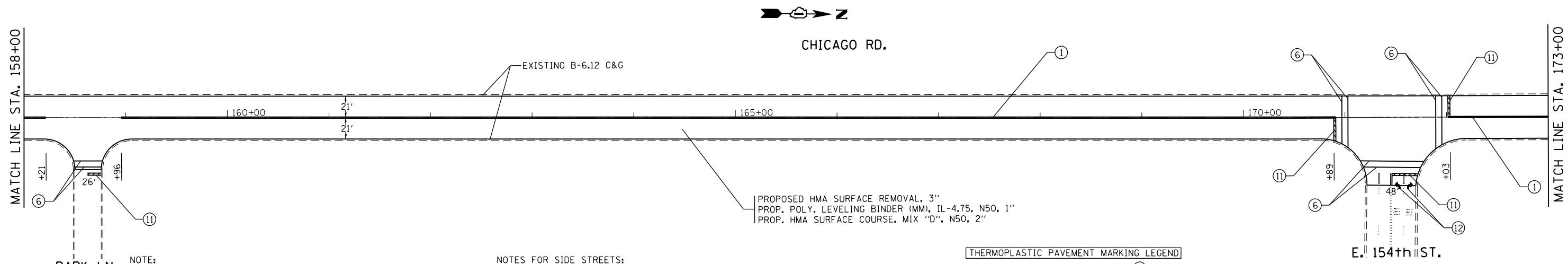
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S.B&R) RS-8	COOK	34	13
CONTRACT NO. 60B56			ILLINOIS FED. AID PROJECT	



NOTE:
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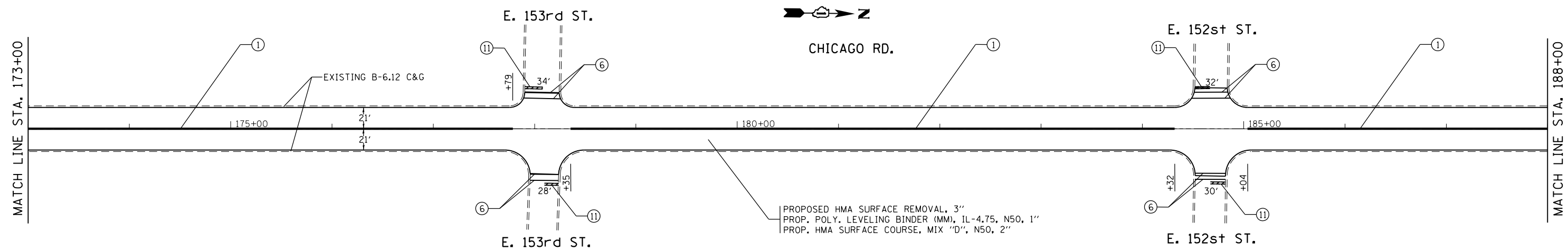
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THERMOPLASTIC PAVEMENT MARKING LEGEND

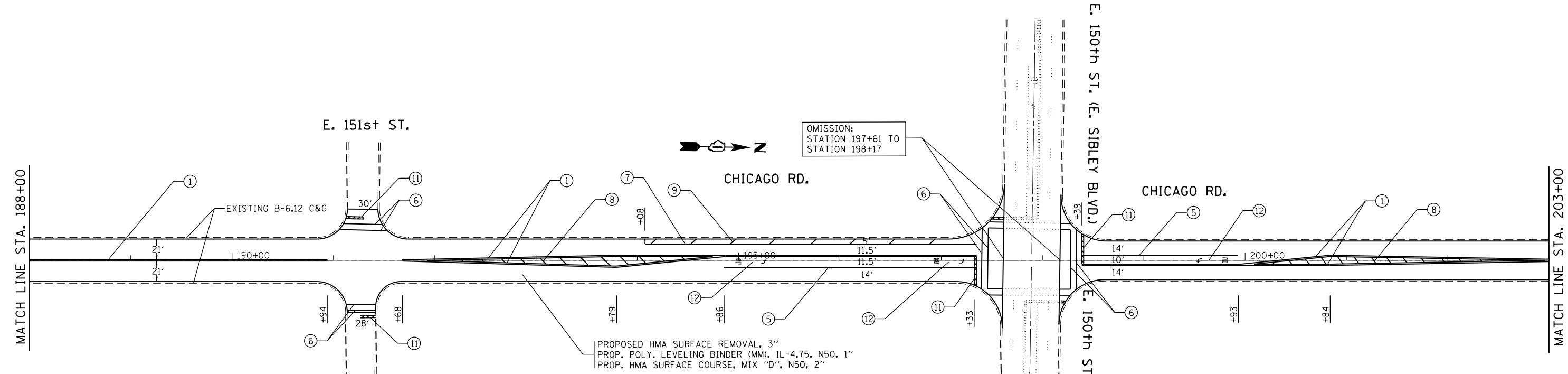
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60B56					
PLOT DATE = 1/8/2013		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



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 - ② 4" SKIP-DASH YELLOW CENTERLINE, 10' LINE WITH 30' SPACE
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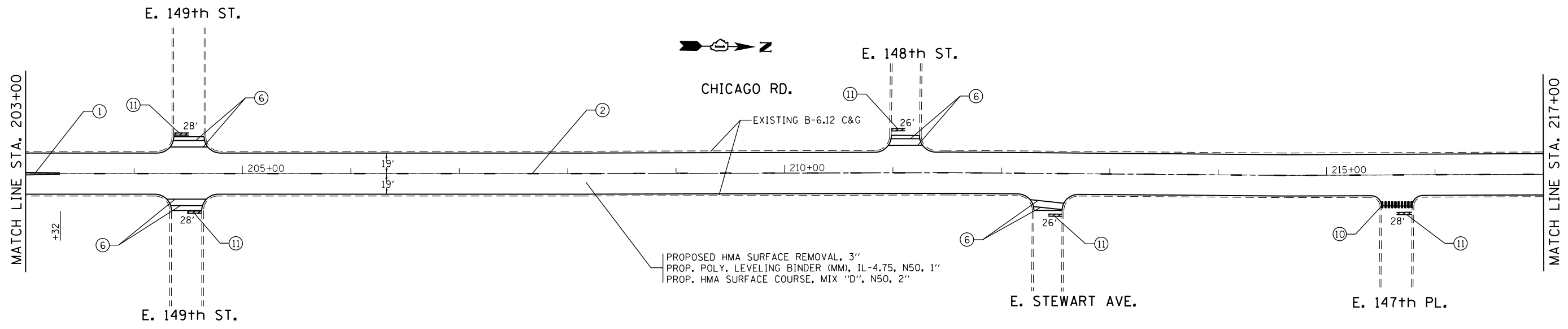
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

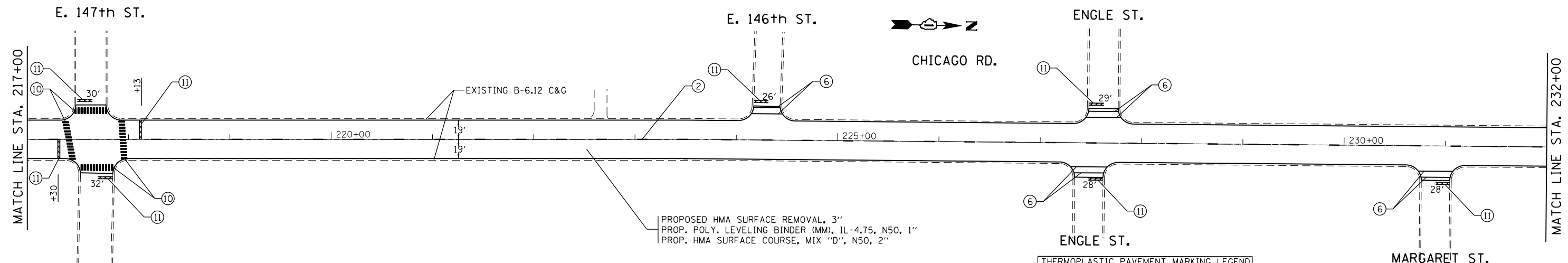
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
CHICAGO RD. (LINCOLN AVE. TO WATER ST.)
 SCALE: SHEET NO. 7 OF 9 SHEETS STA. 173+00 TO STA. 203+00

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S.B&R) RS-8	COOK	34	15
CONTRACT NO. 60B56			ILLINOIS FED. AID PROJECT	



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 -FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKERS.

NOTES FOR SIDE STREETS:
 -RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS, UNLESS OTHERWISE NOTED.
 -PROPOSED HMA SURFACE REMOVAL, 3"
 -PROP. POLY LEVELING BINDER (MM), IL-4.75, N50, 1"
 -PROP. HMA SURFACE COURSE, MIX "D", N50, 2"



NOTE:
 -FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKERS.

NOTES FOR SIDE STREETS:
 -RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS, UNLESS OTHERWISE NOTED.
 -PROPOSED HMA SURFACE REMOVAL, 3"
 -PROP. POLY LEVELING BINDER (MM), IL-4.75, N50, 1"
 -PROP. HMA SURFACE COURSE, MIX "D", N50, 2"

- THERMOPLASTIC PAVEMENT MARKING LEGEND**
- ① 4" DOUBLE SOLID YELLOW LINE, 11" C-C
 - ⑧ 12" SOLID YELLOW DIAGONALS, AT 45 DEGREES
 - ② 4" SKIP-DASH YELLOW CENTERLINE, 10' LINE WITH 30' SPACE
 - ⑨ 12" SOLID WHITE DIAGONALS, AT 45 DEGREES
 - ③ 4" SKIP-DASH WHITE LINE, 10' LINE WITH 30' SPACE
 - ⑩ 12" SOLID WHITE LONGITUDINAL BARS (SCHOOL CROSSWALK)
 - ④ 6" SOLID WHITE LINE (TURN LANE LINE)
 - ⑪ 24" SOLID WHITE LINE
 - ⑤ 6" SOLID WHITE LINE (CROSSWALK)
 - ⑫ SOLID WHITE LETTERS AND SYMBOLS
 - ⑦ 4" SOLID WHITE LINE (EDGE LINE)
 - ⑬ 4" DOUBLE YELLOW LINE, 2' LINE WITH 6' SPACE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
 CHICAGO RD. (LINCOLN AVE. TO WATER ST.)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S.B&R) RS-8	COOK	34	16
SCALE:			CONTRACT NO. 60B56	
SHEET NO. 8 OF 9 SHEETS		STA. 203+00 TO STA. 232+00		
ILLINOIS FED. AID PROJECT				

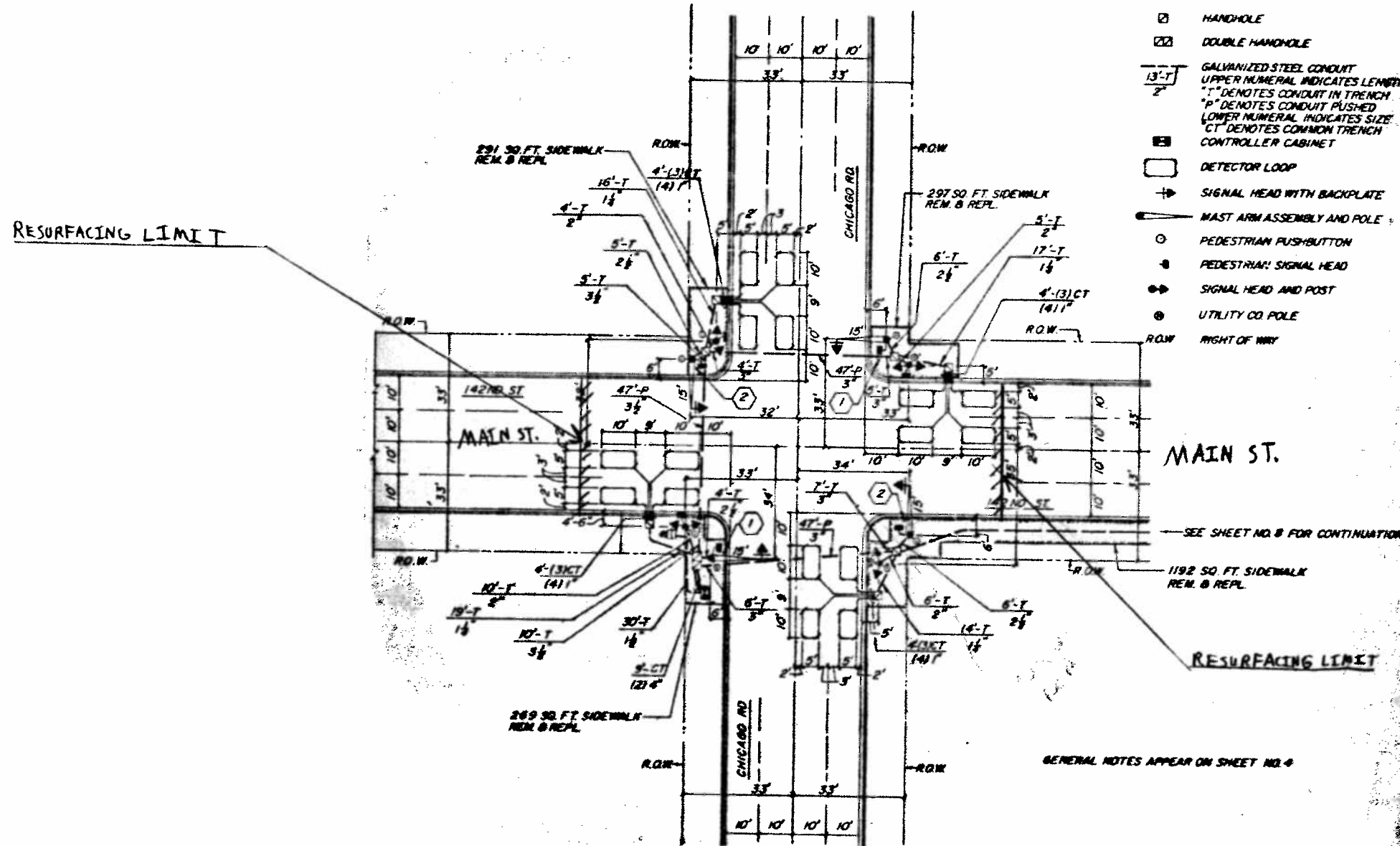
WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP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

TRAFFIC SIGNAL LEGEND

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

LEGEND

- SIGN PANEL LOCATION
- SERVICE INSTALLATION
- HANDHOLE
- DOUBLE HANDHOLE
- 13'-T
2" GALVANIZED STEEL CONDUIT
UPPER NUMERICAL INDICATES LENGTH
"T" DENOTES CONDUIT IN TRENCH
"P" DENOTES CONDUIT PUSHED
LOWER NUMERICAL INDICATES SIZE
"CT" DENOTES COMMON TRENCH
- DETECTOR LOOP
- SIGNAL HEAD WITH BACKPLATE
- MAST ARM ASSEMBLY AND POLE
- PEDESTRIAN PUSHBUTTON
- PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD AND POST
- UTILITY CO. POLE
- RIGHT OF WAY



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

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

CODE	QUANTITY	UNIT	ITEM
86600600	680	FOOT	DETECTOR LOOP, REPLACEMENT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

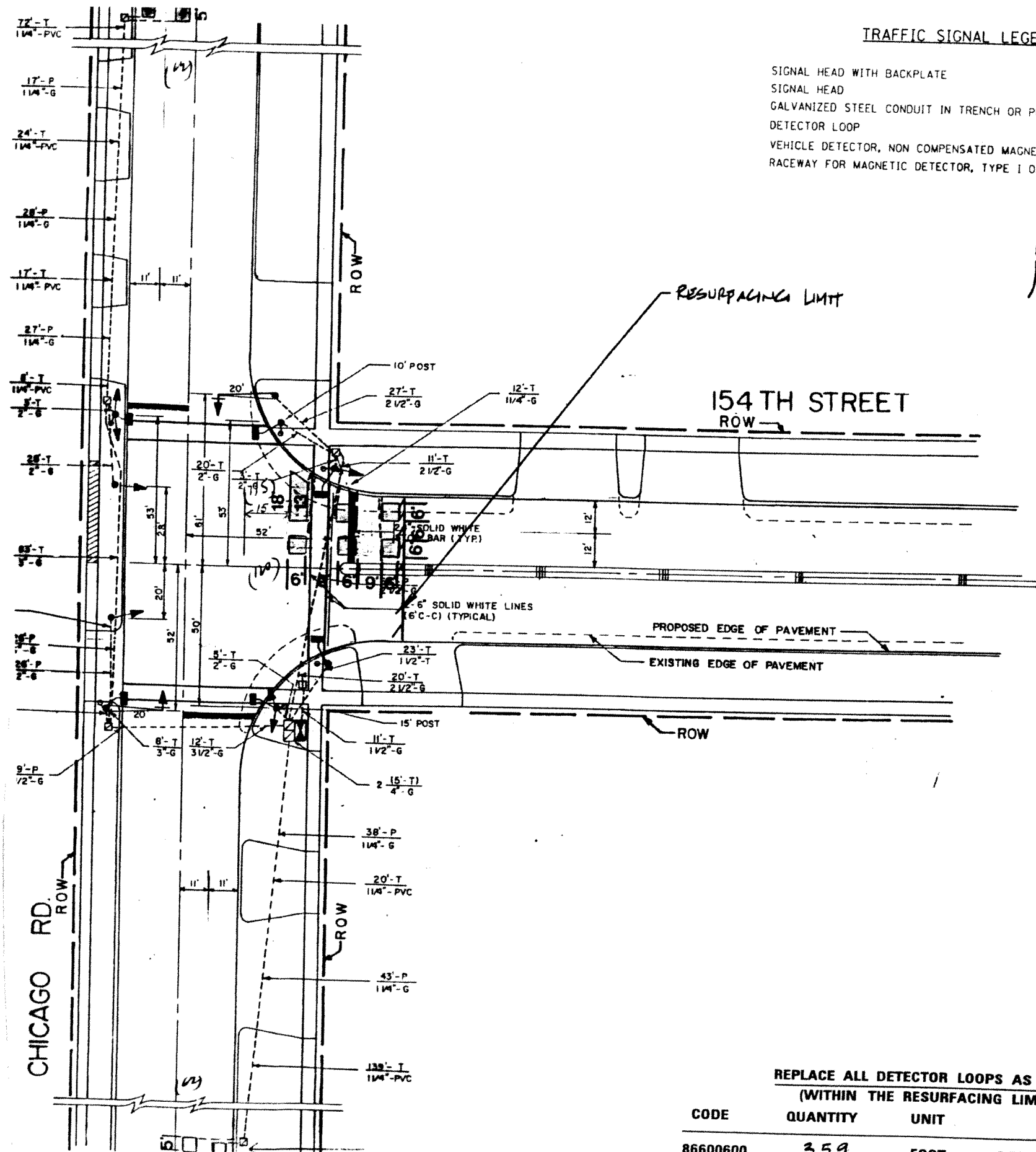
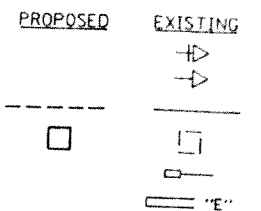
**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
CHICAGO RD. @ MAIN ST. (142nd ST.)**

F.A.U. / R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S.B.F.R)RS-8	Cook	34	18
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.

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

TRAFFIC SIGNAL LEGEND

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



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

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

CODE	QUANTITY	UNIT	ITEM
86600600	359	FOOT	DETECTOR LOOP, REPLACEMENT

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

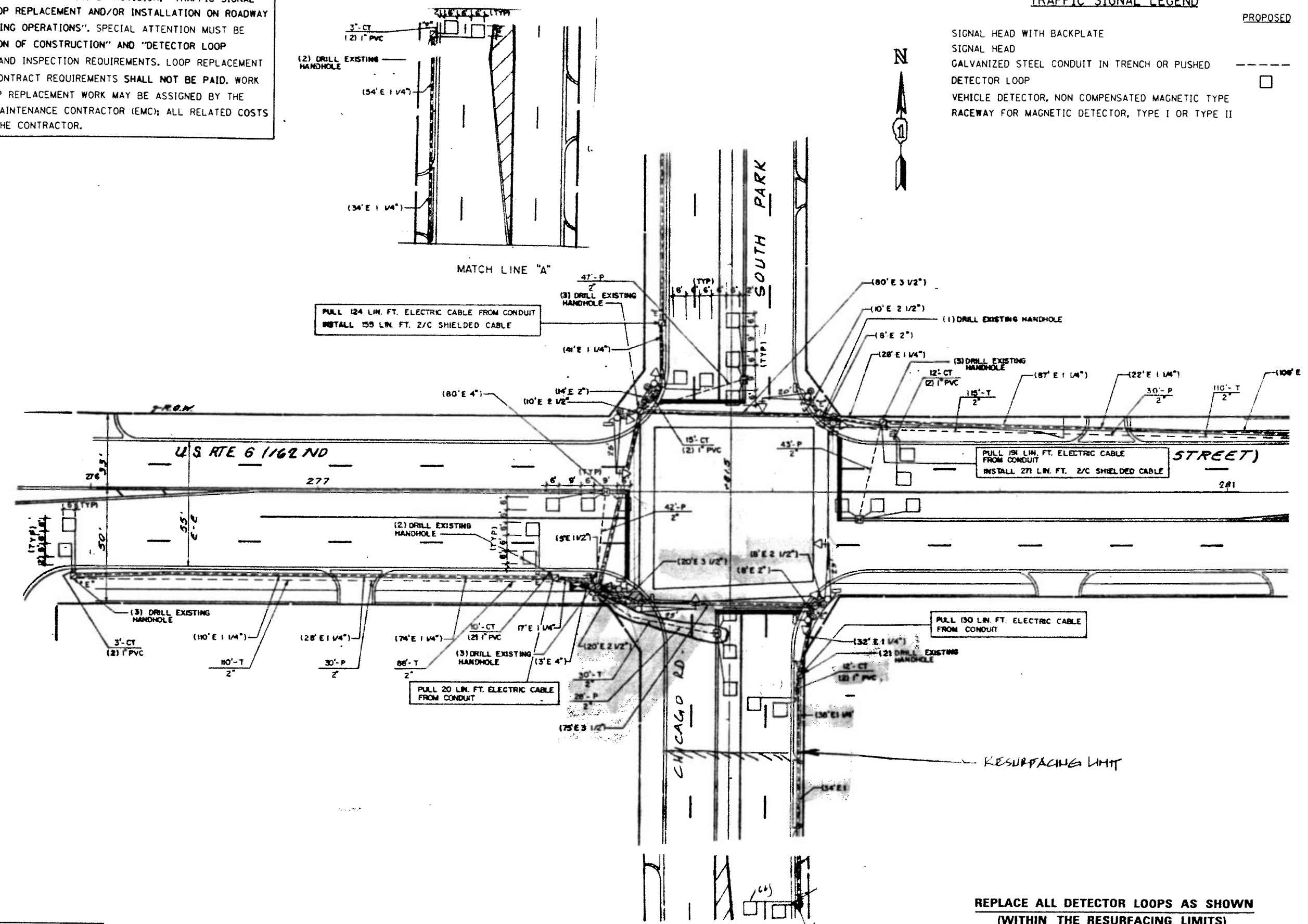
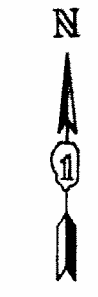
DISTRICT ONE - DETECTOR LOOP REPLACEMENT
 CHICAGO ROAD @ 154TH ST.

F.A. RTE. P221 (S, B & R) RS-8	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			34	19
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

TRAFFIC SIGNAL LEGEND

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



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

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

CODE	QUANTITY	UNIT	ITEM
88600600	666	FOOT	DETECTOR LOOP, REPLACEMENT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

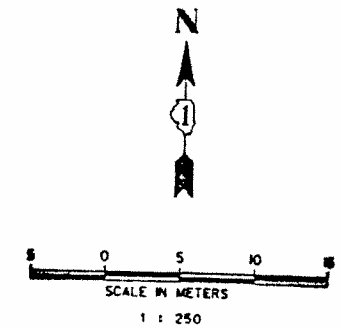
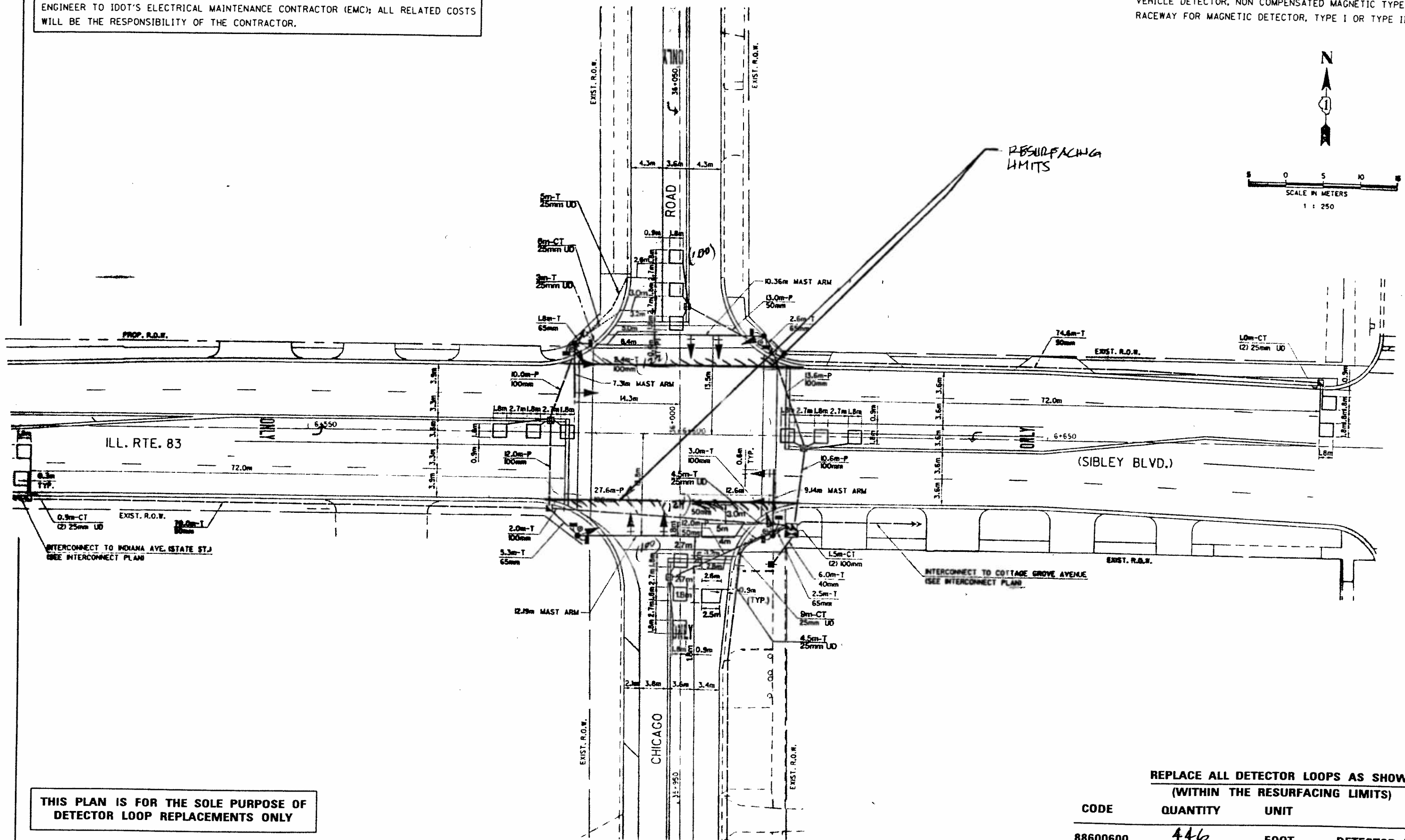
DISTRICT ONE - DETECTOR LOOP REPLACEMENT
U.S. RTE. 6 (162ND ST) @ CHICAGO RD.

F.A.O. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S, I&R) R5-8	COOK	34	20

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

TRAFFIC SIGNAL LEGEND

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



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

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

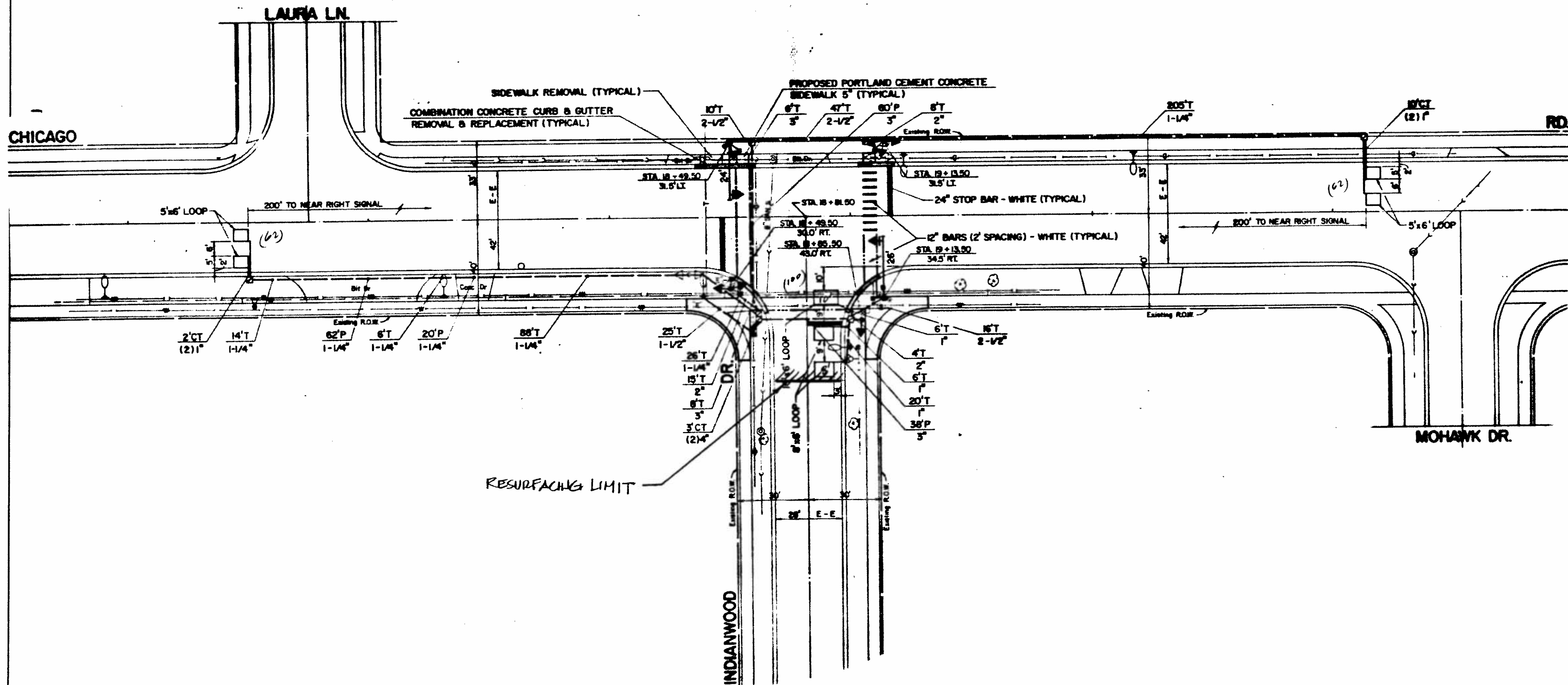
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88600600	446	FOOT	DETECTOR LOOP, REPLACEMENT

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						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

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

TRAFFIC SIGNAL LEGEND

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



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

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

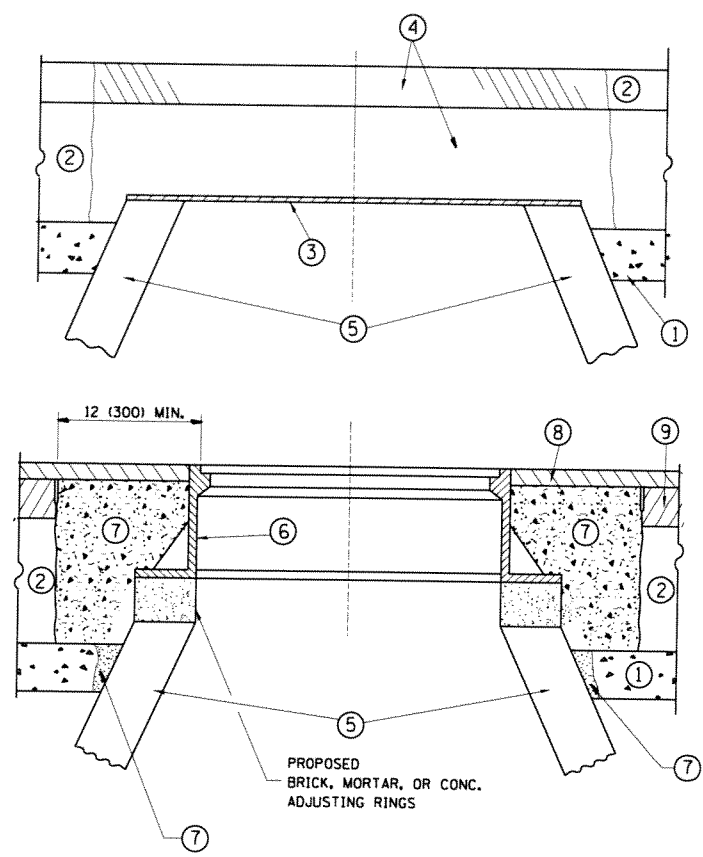
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88600600	224	FOOT	DETECTOR LOOP, REPLACEMENT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
CHICAGO ROAD @ INDIANWOOD DR.**

F.A.C. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
234	(S, R, R) RS-8	COOK	34	22
SCALE:		SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 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 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

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

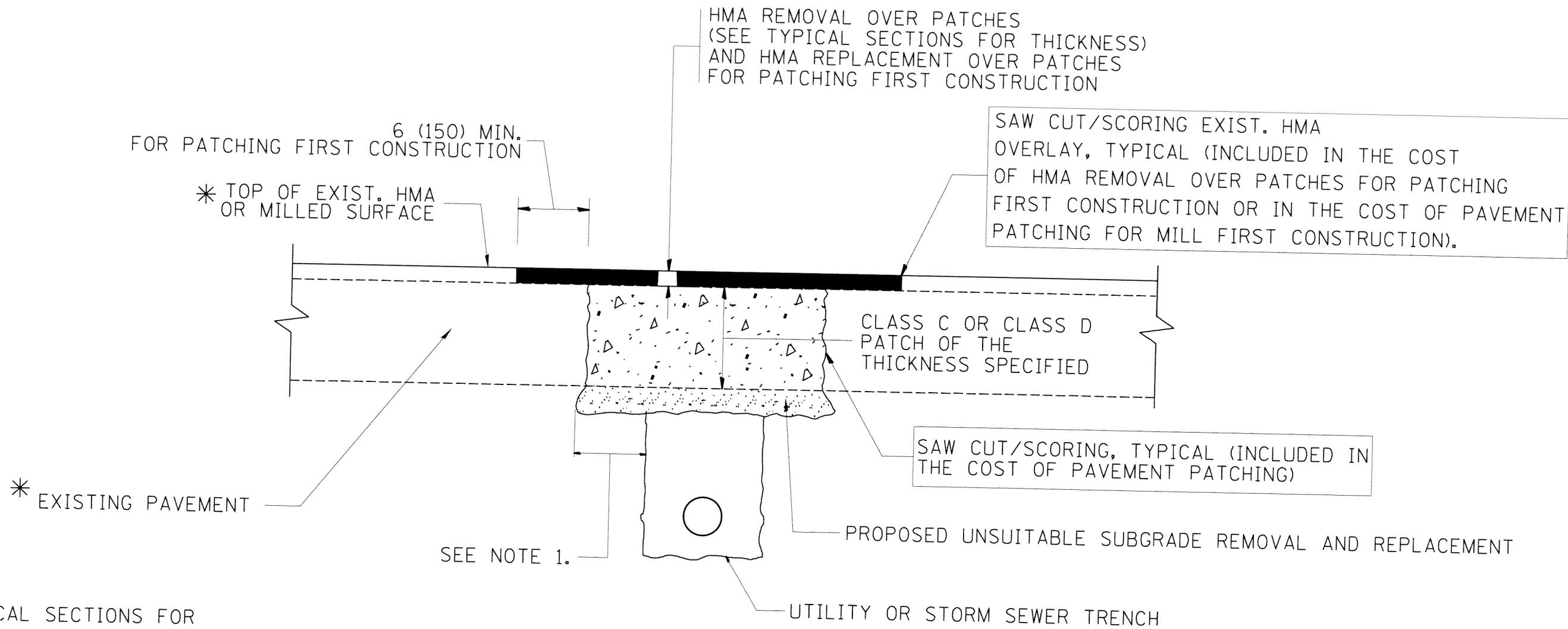
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	PLOT DATE = 9/8/2012	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-B	COOK	34	23
BD600-03 (BD-8)		CONTRACT NO. 60B56		
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 : bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
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	PLOT DATE = 9/8/2012	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	24
BD400-04 (BD-22)			CONTRACT NO. 60B56	

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

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

T/2 *

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

3" (75) MIN.

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

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

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

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

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

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

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

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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 USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

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

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".

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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

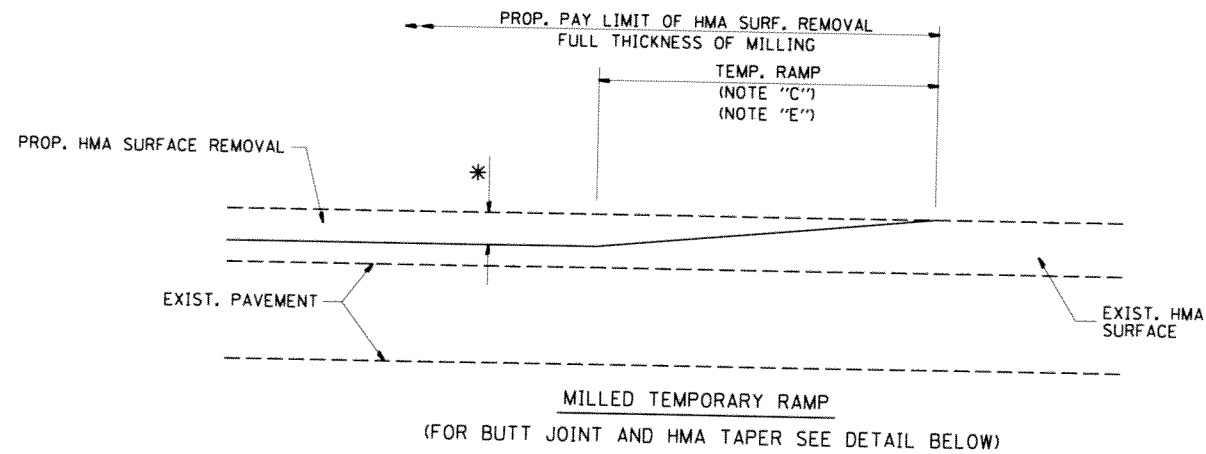
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	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 9/8/2012	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

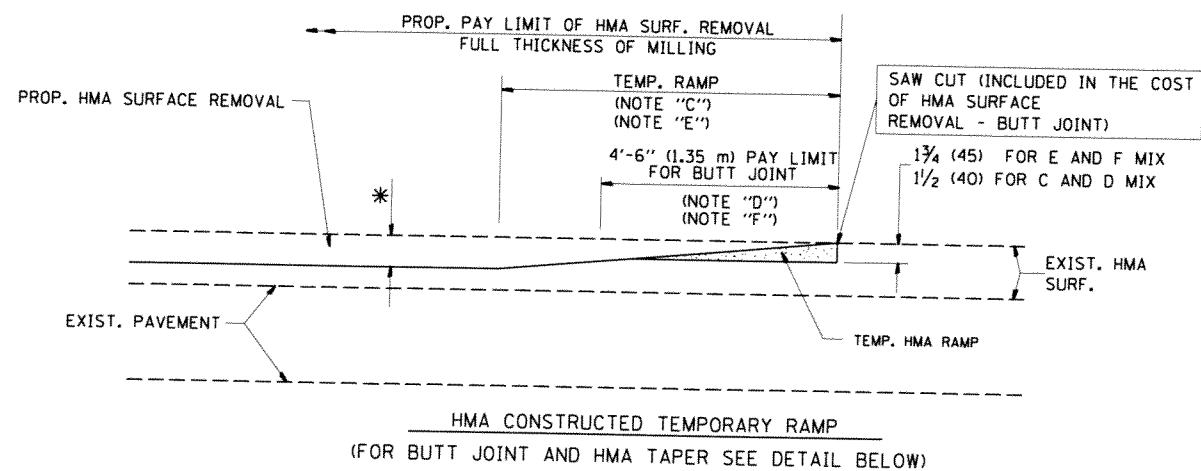
CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			34	25
BD600-06 (BD-24)			CONTRACT NO.	

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

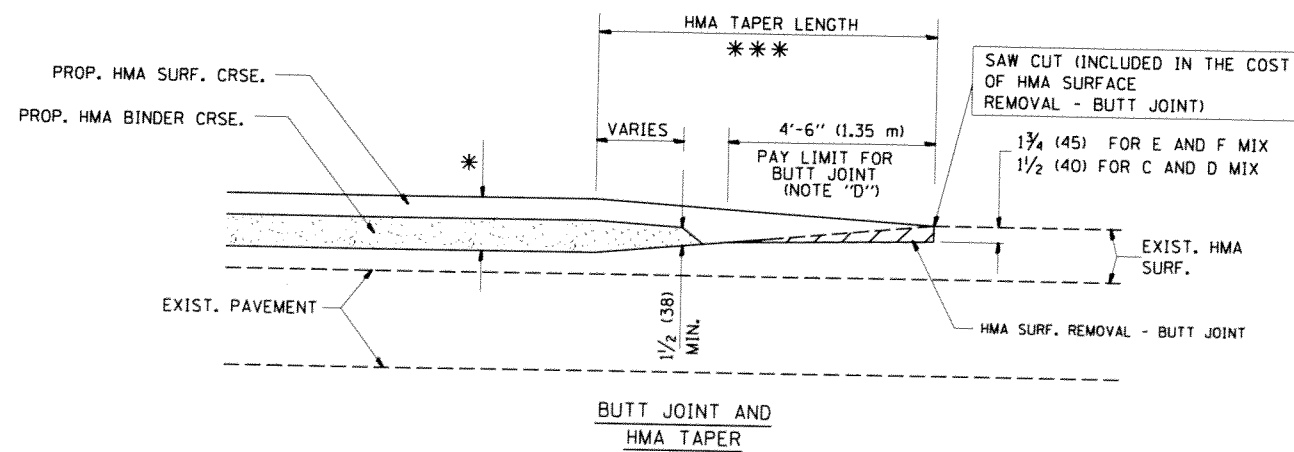


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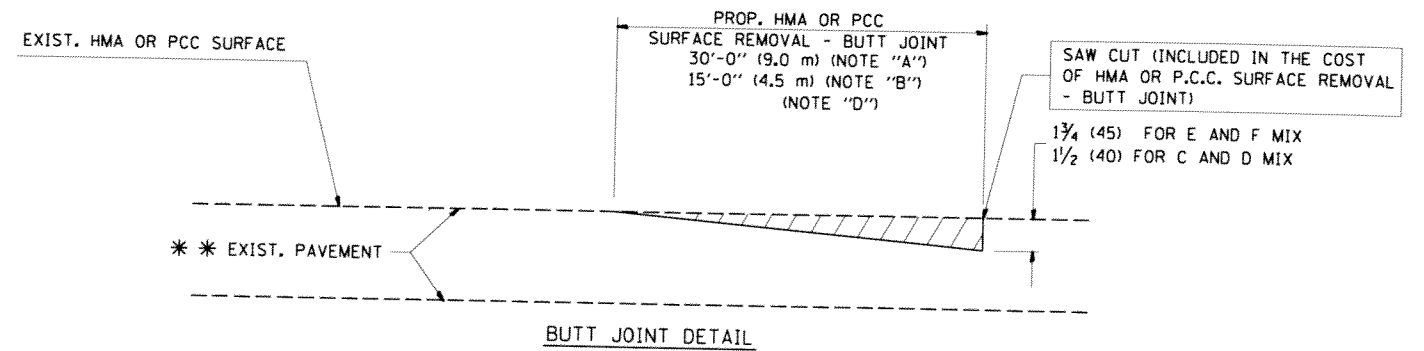


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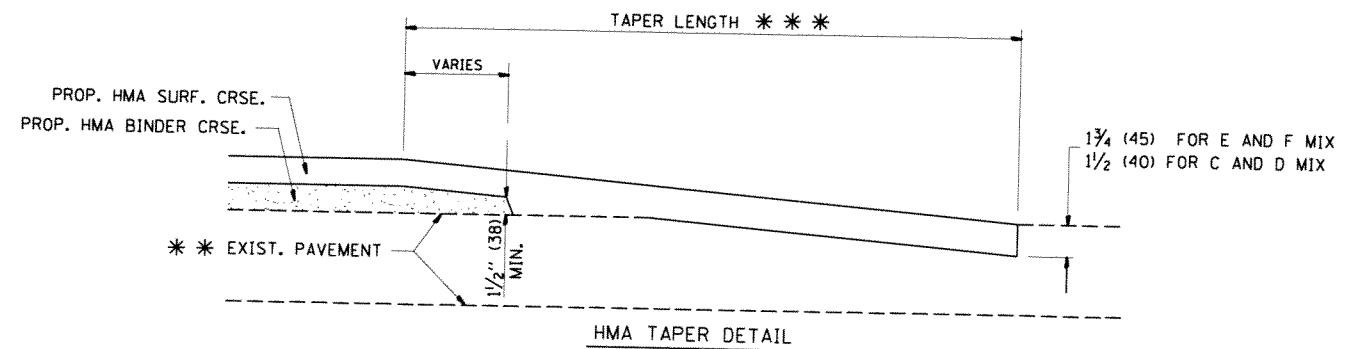
TYPICAL TEMPORARY RAMP



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.

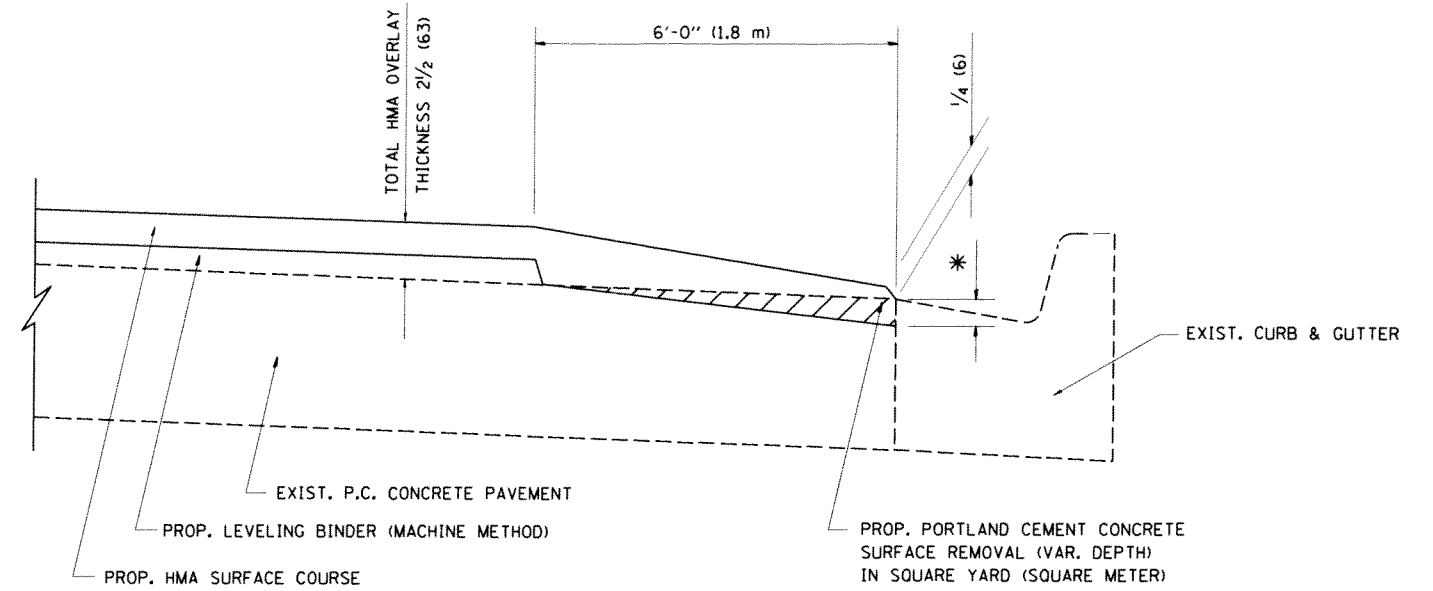
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oi:\pwwork\pwwork\baueard\102285782\01st	dd.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 9/8/2012	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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.
2921	(S,B&R) RS-B	COOK	34	26
BD400-05 BD32		CONTRACT NO. 60B56		



HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

HMA SURFACE		LEVELING BINDER		* MILLING AT GUTTER FLAG
MIX	THICKNESS	THICKNESS		
C OR D	1 1/2 (38)	1 (25)	1/4 (33)	
F	1 3/4 (44)	3/4 (19)	1/2 (38)	

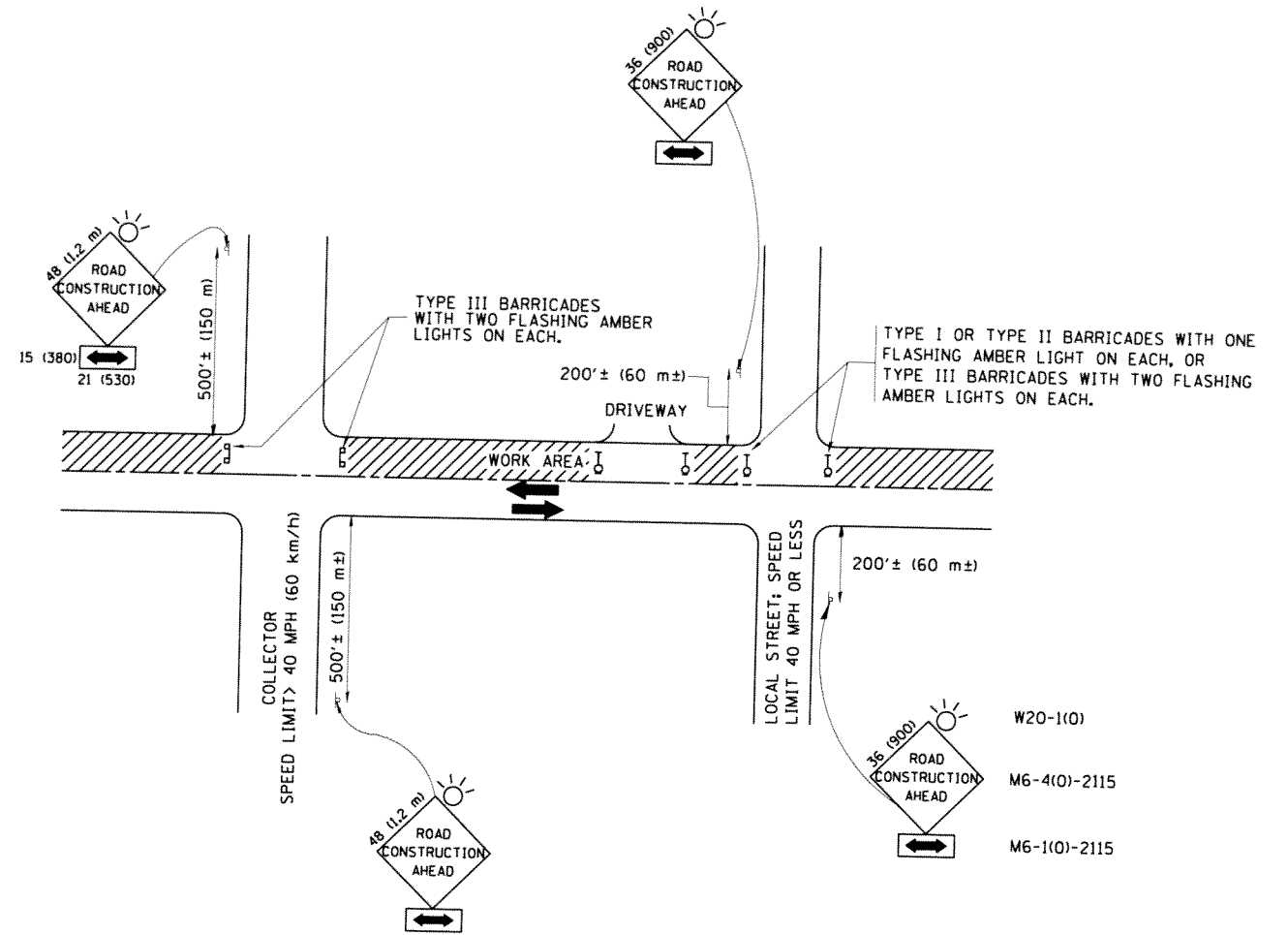
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 100.0000 / in.	CHECKED - A. ABBAS	DATE - 09-10-94	REVISED - E. GOMEZ 12-21-00
PLOT DATE = 9/8/2012	DATE - 09-10-94		REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HMA TAPER AT EDGE OF P.C.C. PAVEMENT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	27
BD400-06 (BD33)		CONTRACT NO. 60B56		
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.

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.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	28
TC-10			CONTRACT NO. 60856	

FILE NAME	USER NAME	DESIGNED	REVISOR
at:\work\widot\baerald\2285788\01.sta.dgn	baerald	LHA	J. OBERLE 10-18-95
		DRAWN	A. HOUSEH 03-06-96
		CHECKED	A. HOUSEH 10-15-96
		DATE	06-89
			T. RAMMACHER 01-06-00

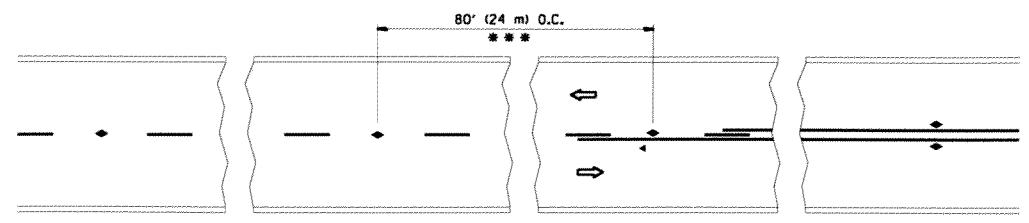
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

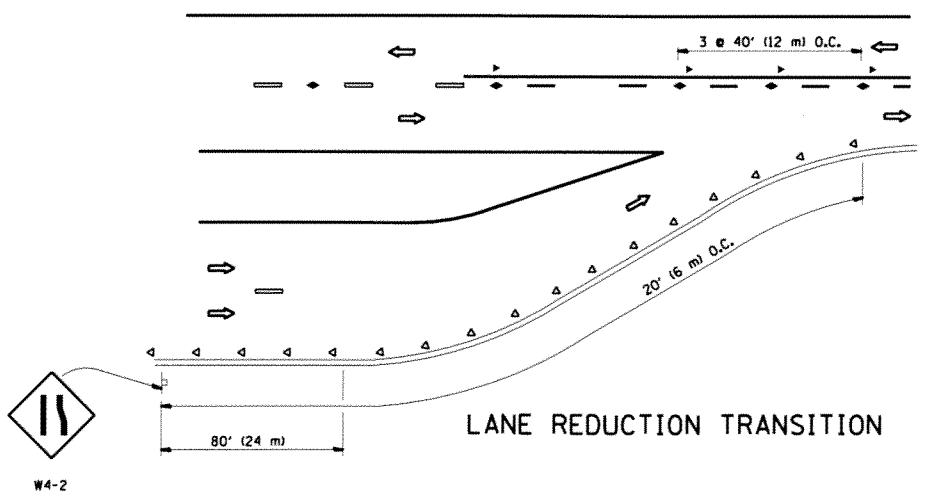
All dimensions are in millimeters (Inches)
unless otherwise shown.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	28
TC-10			CONTRACT NO. 60856	

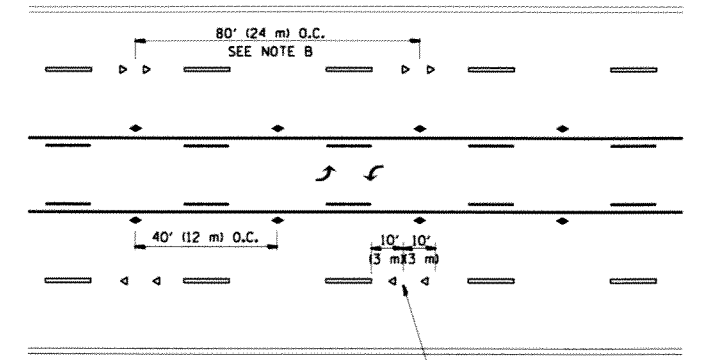


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

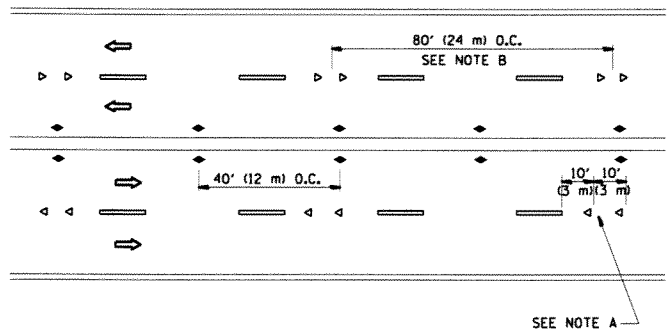
TWO-LANE/TWO-WAY



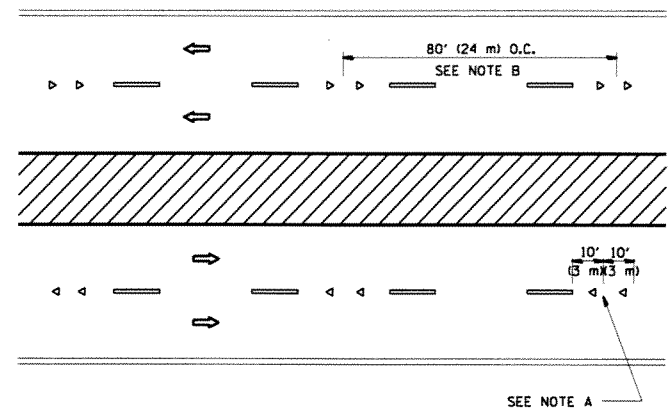
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

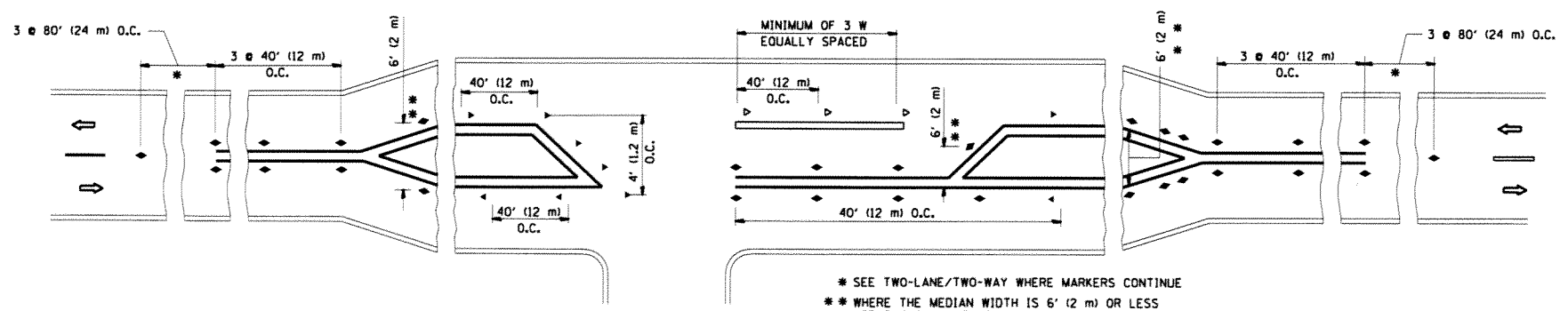
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

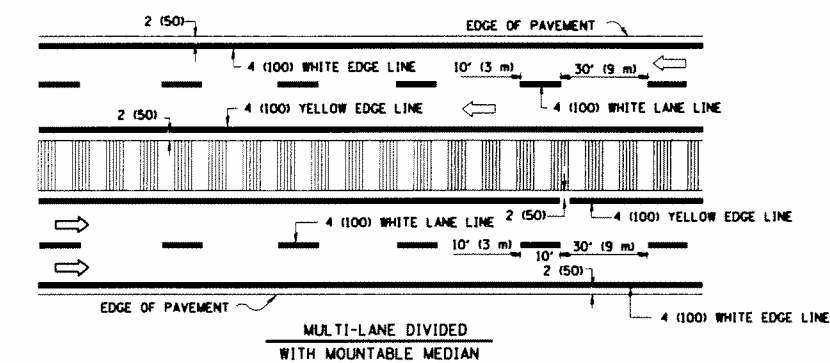
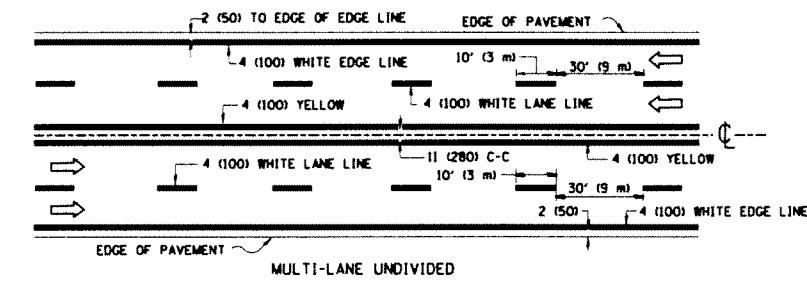
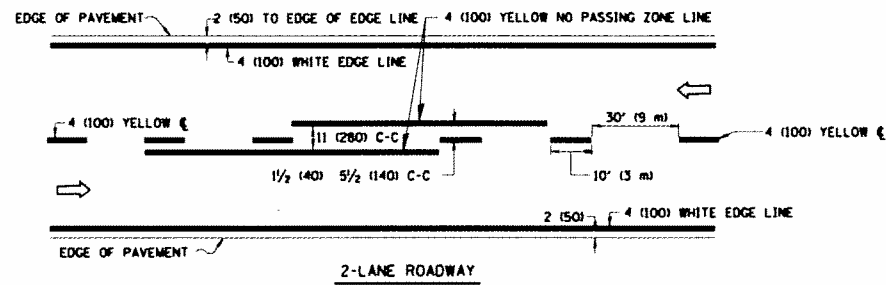


LEFT TURN

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

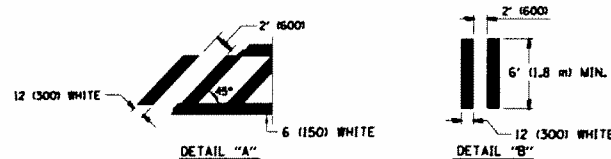
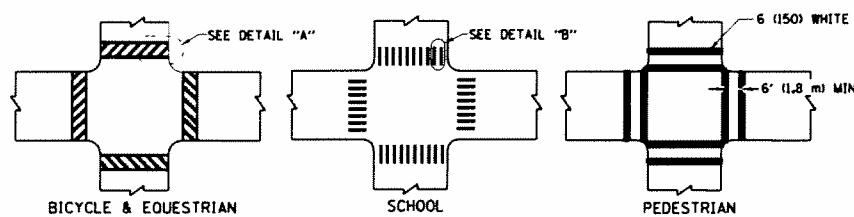
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME : c:\pwwork\pawidat\bauead\1a2285782\Dist\std.dgn	USER NAME : bauead	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.U. RTE. 2921	SECTION (S,B&R) RS-8	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 29
	PLOT SCALE : 100,0000 1/1 in.	DRAWN -	REVISED - T. RAMMACHER 03-12-99		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-11		CONTRACT NO. 60B56		
PLOT DATE : 9/8/2012	CHECKED -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

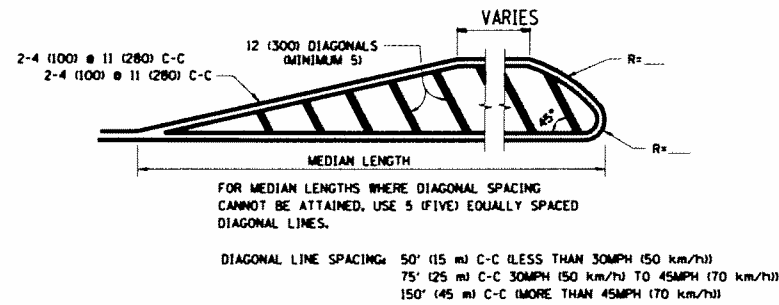
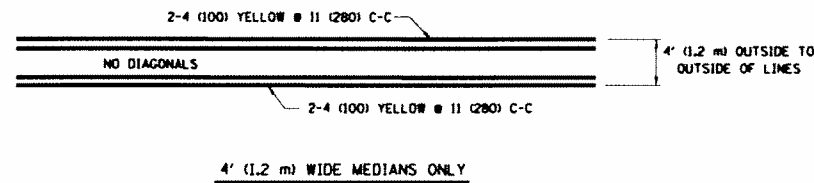


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

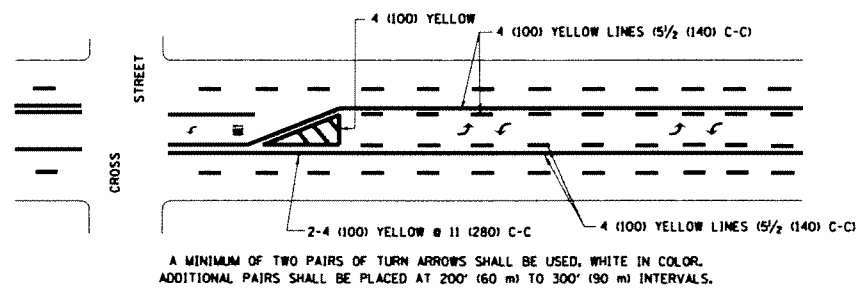
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

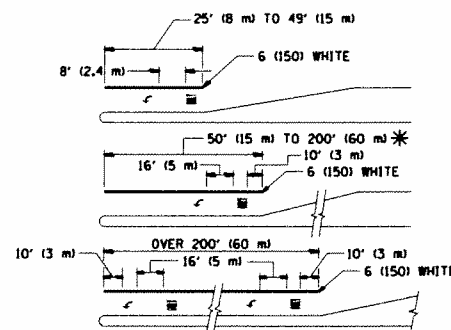


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

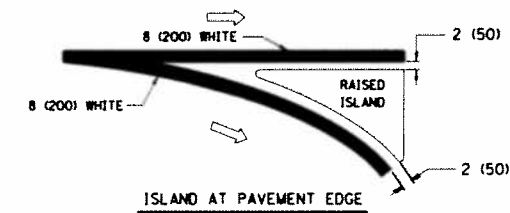
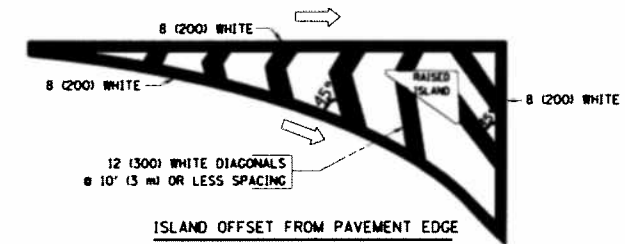


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²); ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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

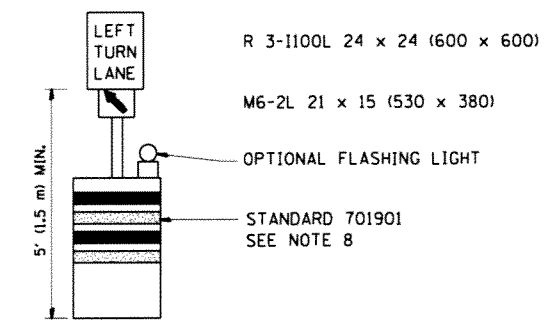
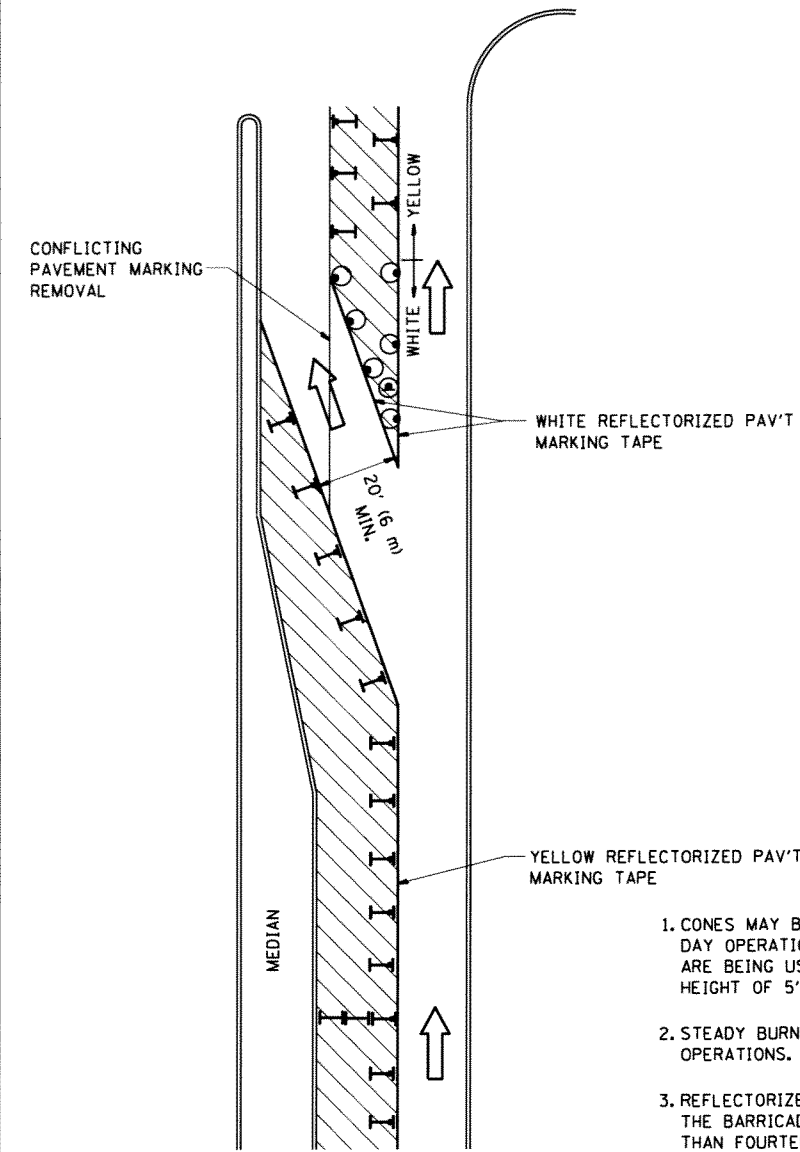


TYPICAL ISLAND MARKING

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 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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m 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

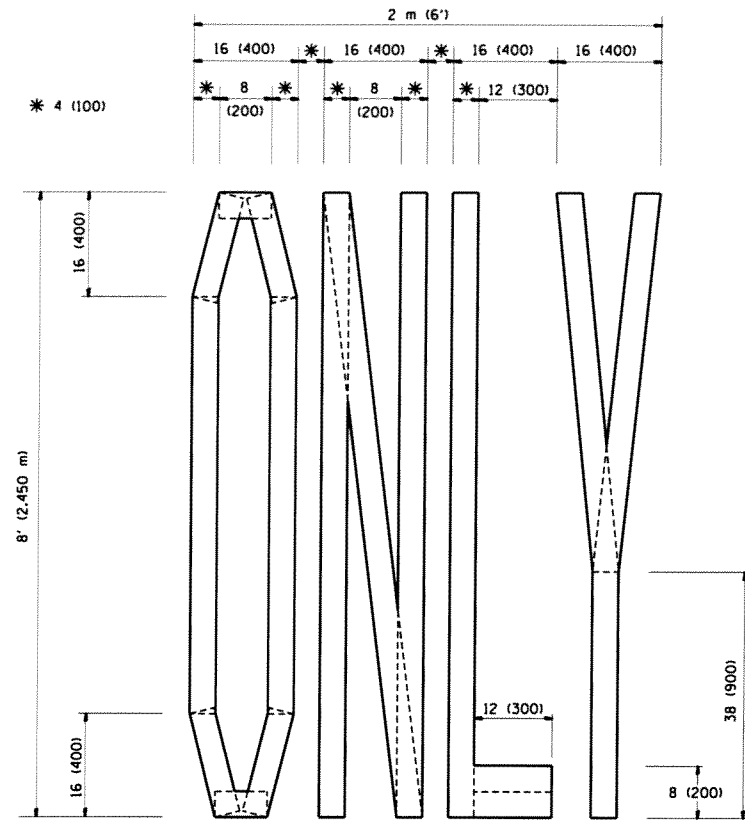
- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = bauerdl	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
c:\pw_work\pwidot\bauead\2285782\Dist\td.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
PLOT SCALE = 1/8" = 1' 0"		REVISED - A. HOUSEH 10-12-96	REVISED -
PLOT DATE = 9/8/2012		REVISED - T. RAMMACHER 01-06-00	REVISED -

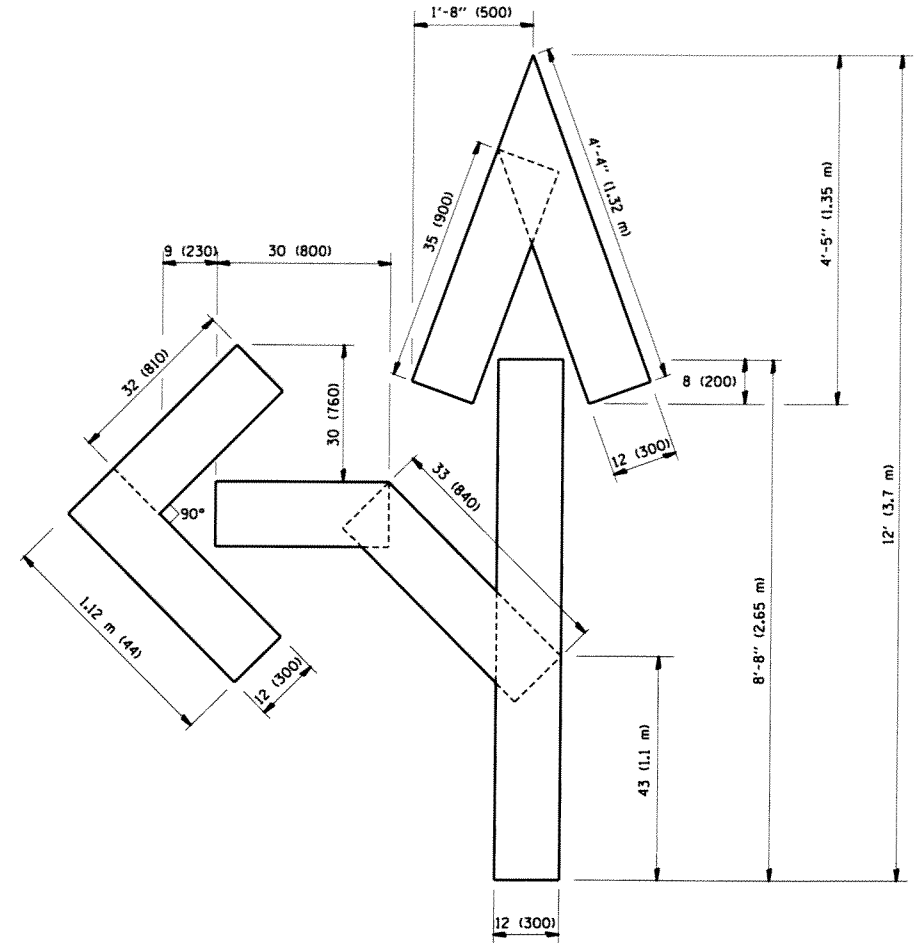
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

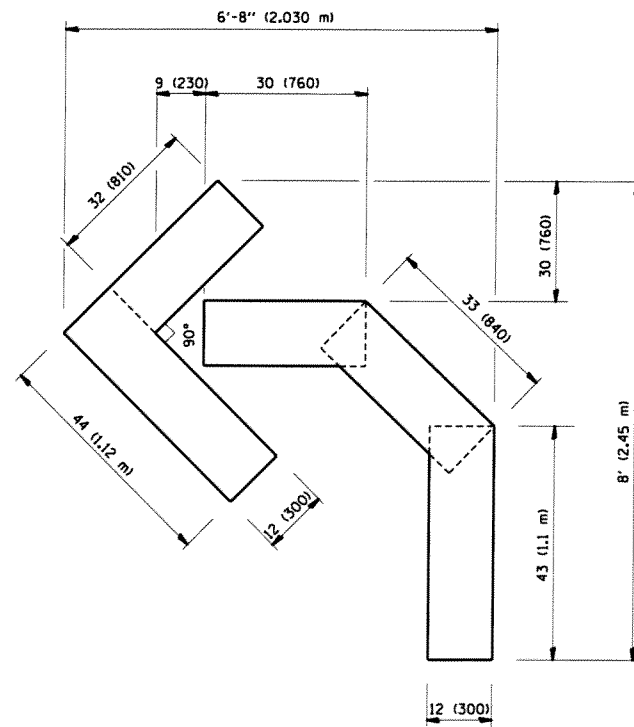
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	31
TC-14			CONTRACT NO. 60856	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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)



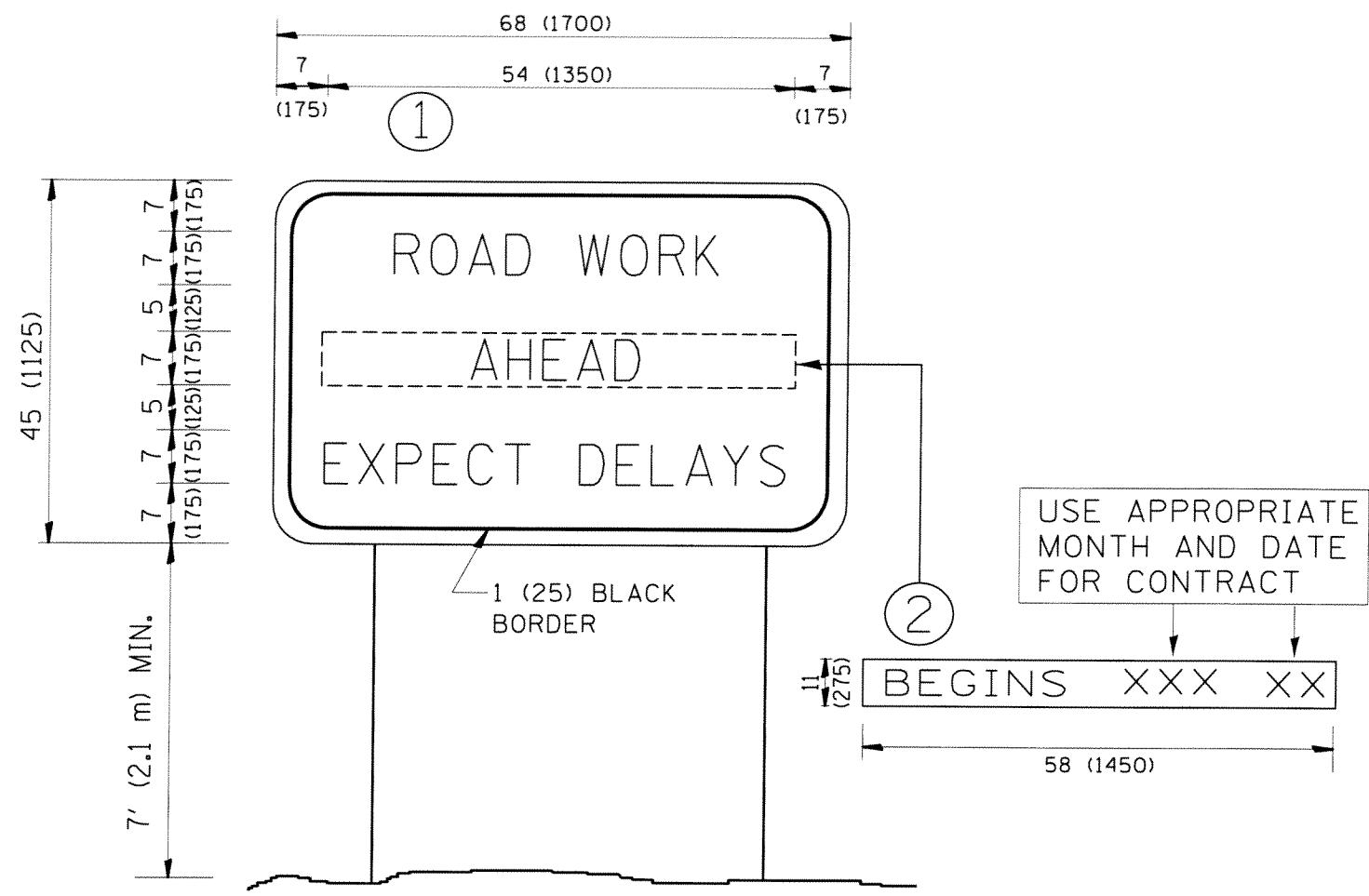
QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME =	USER NAME = bauerd	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
ca:\pwork\pwidat\baerald\2285788\Dist\d.dgn		DRAWN -	REVISED -T. RAMMACHER 11-04-97
		CHECKED -	REVISED -T. RAMMACHER 03-02-98
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING		F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		2921	(S,B&R) RS-8	COOK	34	32
SHEET NO. 1 OF 1 SHEETS		TC-16		CONTRACT NO. 60B56		
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 = bauerd	DESIGNED -	REVISED - R. MIRS 09-15-97
ct\pwwork\pwwork\baueard\02285782\01st	td.dgn	DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 9/8/2012	DATE -	REVISED - C. JUCIUS 01-31-07

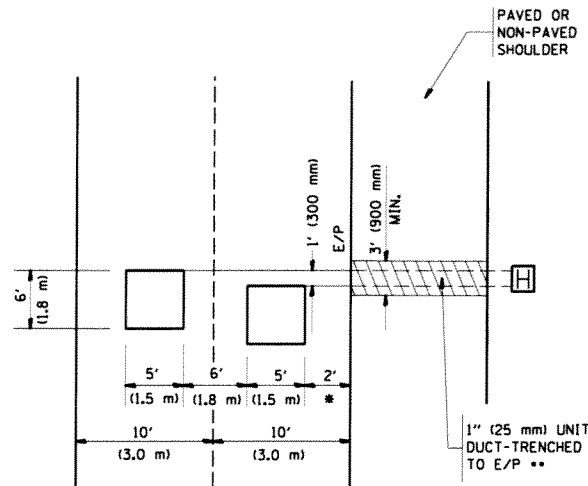
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2921	(S,B&R) RS-8	COOK	34	33
TC-22		CONTRACT NO. 60B56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



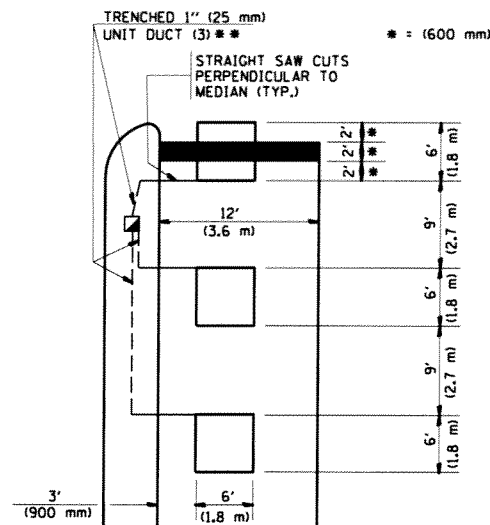
* = (600 mm)

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

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



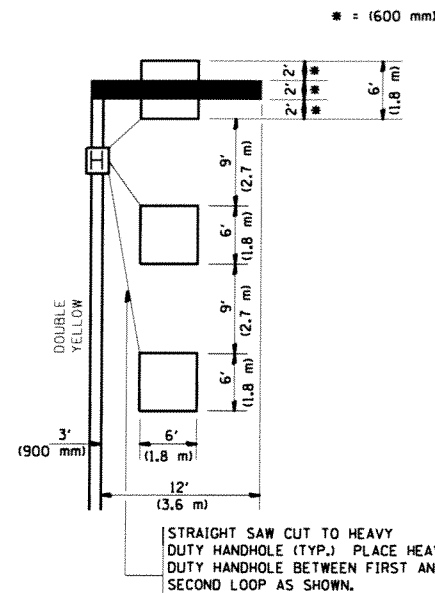
* = (600 mm)

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

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

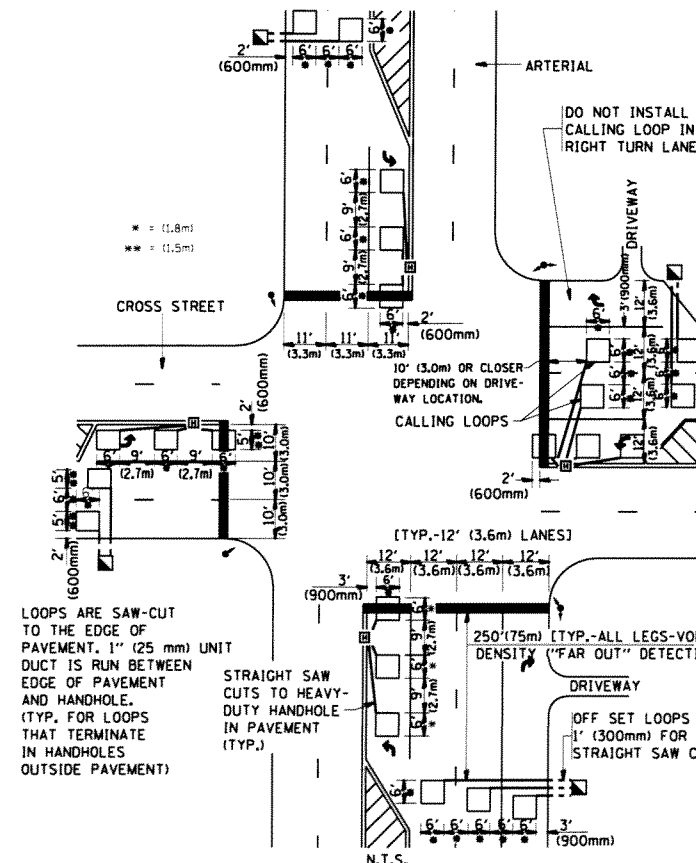
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

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

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

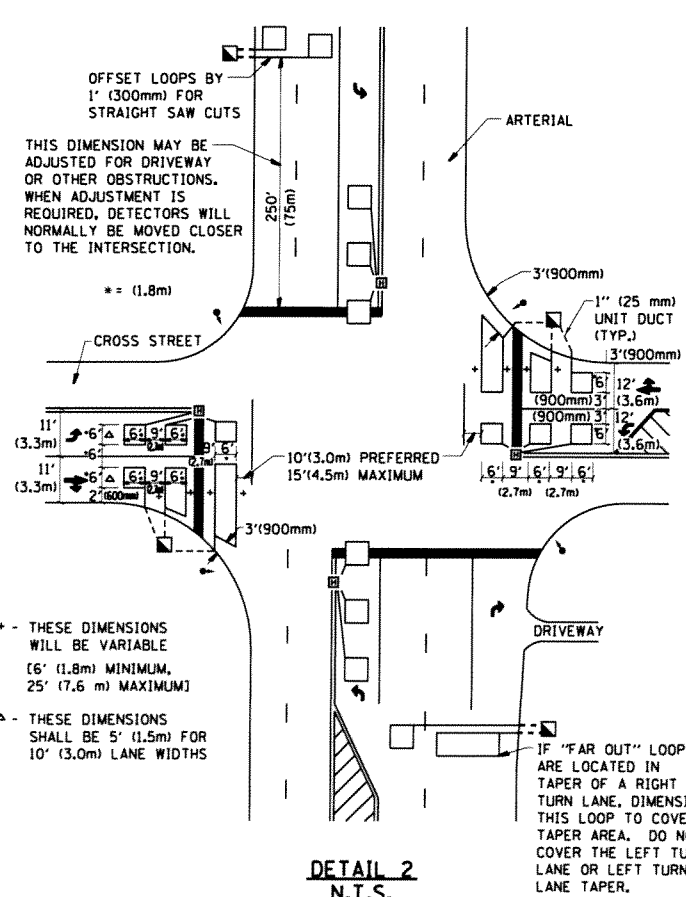


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

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



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ - THESE DIMENSIONS WILL BE VARIABLE (6' (1.8 m) MINIMUM, 25' (7.6 m) MAXIMUM)
△ - THESE DIMENSIONS SHALL BE 5' (1.5 m) FOR 10' (3.0 m) LANE WIDTHS

DETAIL 2
N.T.S.

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pwwork\pwwork\baerd\2285788\Dist1.dgn		DRAWN -	REVISED -		2921	(S,B&R) RS-8	COOK	34	34			
PLOT SCALE = 1/8" = 1'-0"		CHECKED - R.K.F.	REVISED -		TS-07			CONTRACT NO. 60B56				
PLOT DATE = 9/8/2012		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA. TO STA.			