

60930

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-037RS	COOK	58	1

*(2786, 1334, 1332)
VARIOUS
 D-91-144-00
 D-91-480-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE VILLAGES OF NILES, MORTON GROVE, SKOKIE AND THE CITY OF CHICAGO

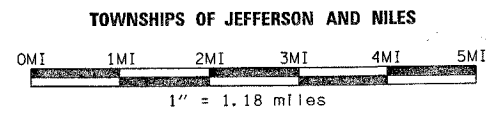
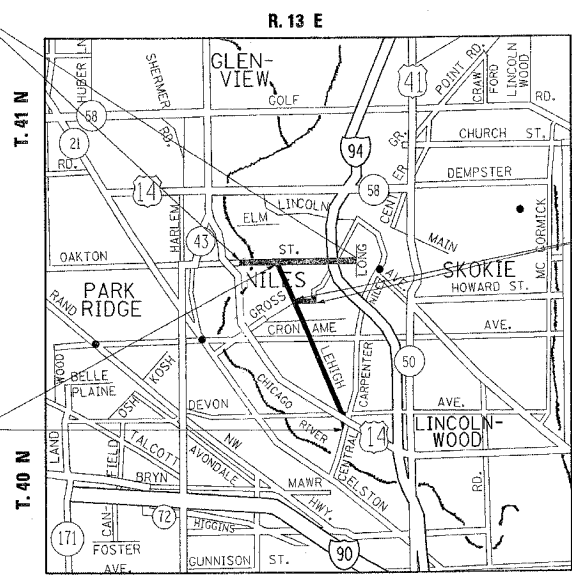


VARIOUS ROUTES
 (1) FAU ROUTE 2786 - LEHIGH AVE. (CENTRAL AVE. TO OAKTON ST.)
 (2) FAU ROUTE 1334 - HOWARD ST. (LEHIGH AVE. TO GROSS POINT RD.)
 (3) FAU ROUTE 1332 - OAKTON AVE. (CALDWELL ST. TO LONG AVE.)
 SECTION: 2000-037RS
 RESURFACING (MAINTENANCE)
 COOK COUNTY
 C-91-144-00

IMPROVEMENT ③
 BEGIN STA. 236+86
 END STA. 317+75
OMISSIONS ③
 STA. 267+80 - 268+20
 STA. 303+40 - 305+78

IMPROVEMENT ①
 BEGIN STA. 0+46
 END STA. 122+21
OMISSION ①
 STA. 5+33 - 7+09

IMPROVEMENT ②
 BEGIN STA. 188+76
 END STA. 200+71

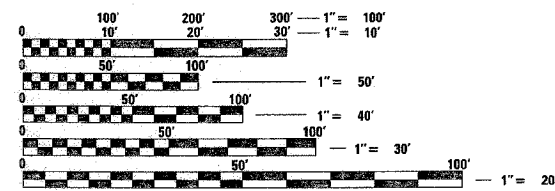


GROSS LENGTH = 21,460 LINEAL FEET (4.06 MILES)
 NET LENGTH = 21,006 LINEAL FEET (3.98 MILES)

STRUCTURES : 016-0827
 016-0555

TRAFFIC DATA

①	2002 ADT = 9100 AVE POSTED SPEED = 30-35 MPH
②	2002 ADT = 19000 POSTED SPEED = 35 MPH
③	1998 ADT = 26,900 POSTED SPEED = 40 MPH



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 CUAM (CHICAGO UTILITY ALERT NETWORK)
 1-312-944-7000

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Oct 20 20 05
Diane M. O'Keefe / cd
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 12, 20 06
Mike Hine / RD
 ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 20 06
Milton P. Sosa P.E. / RD
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

DISTRICT ONE DESIGN PLAN PREPARATION ENGINEER: KEN ENG / ISSAM RAYYAN (847) 705-4553

CONTRACT NO. 60930

*REF-
*REF-
*REF-

CONTRACT 60930

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-037RS	COOK	58	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

* 2786, 1334, 1332

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-11	TYPICAL SECTIONS
12	MILLING AT P.C.C. PAVEMENT JOINT AND AT RAILROAD SPUR CROSSINGS
13-22	PLAN AND PAVEMENT MARKING DETAILS
23-34	DETECTOR LOOP REPLACEMENT PLANS
35-39	OAKTON STREET OVER I-94 BRIDGE DETAILS
40-41	OAKTON STREET OVER N. BRANCH CHICAGO RIVER BRIDGE DETAILS
42-58	DISTRICT DETAILS

LIST OF STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-06	PAVEMENT JOINTS
420401-05	BRIDGE APPROACH PAVEMENT
442201-01	CLASS C AND D PATCHES
482011-01	BITUMINOUS SHOULDER STRIPS/SHOULDERS WITH RESURFACING
604001-02	FRAME AND LIDS, TYPE 1
604051-02	FRAME AND GRATE, TYPE 11
604056-02	FRAME AND GRATE, TYPE 11V
606001-02	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
606206-01	OUTLET AND DOUBLE OUTLET, TYPE 1, FOR TYPE B GUTTER
630001-06	STEEL PLATE BEAM GUARDRAIL
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
701301-02	LANE CLOSURE, 2-L, 2-W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2-L, 2-W, MOVING DAY ONLY OPERATIONS
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-03	URBAN LANE CLOSURE, 2-L, 2-W, UNDIVIDED
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701601-04	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701440	TWO-LANE CLOSURE - FREEWAY/EXPRESSWAY
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTOR LOOPS

CHICAGO NOTES

PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR ALL WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION. THE LICENSED SEWER CONTRACTOR/SUBCONTRACTOR MUST SUBMIT TWO SETS OF PLANS APPROVED BY THE DEPARTMENT OF SEWERS FOR THE ISSUE OF THE SEWER PERMIT TO SUITE 400, 333 SOUTH STATE STREET, CHICAGO, IL 60604-3971. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF SEWERS.

IN CASE OF DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF SEWERS AT (312)747-7892 OR (312)747-7893.

PERFORMED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.

BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED FROM THE DEPARTMENT OF SEWERS AT SUITE 400, 333 SOUTH STATE STREET, CHICAGO, IL 60604-3971. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACING ANY BENCH MONUMENT DAMAGED OR DESTROYED DURING CONSTRUCTION.

SIDEWALK ACCESSIBILITY RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES

ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND GRATES OR LIDS ON THE SEWER STRUCTURES SHALL BE REPLACED WITH THE NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND GRATES OR LIDS. OLD FRAMES AND GRATES OR LIDS SHALL BE DELIVERED TO THE DEPARTMENT OF SEWERS AT 39TH STREET AND ASHLAND AVENUE.

CITY OF CHICAGO WATER VALVE VAULTS AND SEWER STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER AND/OR DEPARTMENT OF SEWERS.

CURB AND GUTTER CONSTRUCTION SHALL PROVIDE A MINIMUM CURB HEIGHT OF 75 MM (3").

BACKFILL MATERIAL UNDER SIDEWALKS SHALL BE FA-2.

PAVEMENT REPLACEMENT AROUND FRAMES AND GRATES OR LIDS WHERE DRAINAGE, WATER MAIN OR ELECTRICAL STRUCTURES ARE ADJUSTED OR RECONSTRUCTED, SHALL WITH CLASS SI CONCRETE.

ALL PAVEMENT PATCHING SHALL BE CLASS D

ALL UNBALLASTED TYPE I & TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL

GENERAL NOTES

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

3 METER (10 FEET) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS 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, THE VILLAGES OF NILES, MORTON GROVE, SKOKIE, LINCOLNWOOD AND THE CITY OF CHICAGO.

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

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 40 MM (1 1/2 INCHES) WHERE THE SPEED LIMIT IS 80 KM/H (45 MPH) OR LESS AND 25 MM (1 INCH) WHERE THE SPEED LIMIT IS GREATER THAN 80 KM/H (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 75 MM (3 INCHES) 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), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY AREA TRAFFIC FIELD ENGINEER AT (773) 685-8386 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS

THE CONTRACTOR SHALL BE REQUIRED TO COMPLETE ALL PAVEMENT PATCHING AFTER THE BITUMINOUS SURFACE REMOVAL OPERATION

ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL

THE RESIDENT ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS BEFORE MILLING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INDEX OF SHEETS,
LIST OF STANDARDS,
CHICAGO NOTES AND GENERAL NOTES**

VERT. SCALE: HORIZ. DATE 3/30/2006

DRAWN BY RN
CHECKED BY

Rev.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03TRS	COOK	58	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
* 2786, 1334, 1332				
100% STATE				

SUMMARY OF QUANTITIES			100% STATE						
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
				#1 LEHIGH AVE. I000	#2 HOWARD ST. I000	#3 OAKTON AVE. I000	SN 016-0555 #3 OVER CHC RIVER SFTY-2A	SN 016-0827 #3 OVER I-94 SFTY-2A	50 CITY STATE Y025
20201006	GRADING AND SHAPING SHOULDERS	UNIT	13	13					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6			6			
21400100	GRADING AND SHAPING DITCHES	FOOT	328	328					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	41	16.65	4	20			0.35
40600300	AGGREGATE (PRIME COAT)	TON	198	78	17	100			3
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	4	1	5			
40600895	CONSTRUCTING TEST STRIP	EACH	2	1		1			
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	1201	555	98	548			
40601000	BITUMINOUS REPLACEMENT OVER PATCHES	TON	1892	395	97	1400			
42001300	PROTECTIVE COAT	SQ YD	1297	1037	100	160			
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SQ YD	31165	22184.5	8175				805.5
44000008	BITUMINOUS SURFACE REMOVAL 2 1/2"	SQ YD	47162			47162			
44000009	BITUMINOUS SURFACE REMOVAL 3"	SQ YD	507				507		
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	357	357					
44000106	BITUMINOUS REMOVAL OVER PATCHES 1 1/2"	SQ YD	5825	4700	1125				
44000124	BITUMINOUS REMOVAL OVER PATCHES 6"	SQ YD	4000			4000			
44000400	GUTTER REMOVAL	FOOT	2624	2624					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	200			200			
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1567	487	300	780			
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	5378	5378					
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	335		335				
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	196		196				
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	110		110				
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	8	8					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	3879	1791		2088			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	890	186		704			
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	2909	2189		720			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	396	396					
48200400	BITUMINOUS SHOULDERS 6"	SQ YD	40			40			
48200600	BITUMINOUS SHOULDERS 8"	SQ YD	250	250					
50102400	CONCRETE REMOVAL	CU YD	9.6	9.6					
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	246					246	

SUMMARY OF QUANTITIES			100% STATE						
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
				#1 LEHIGH AVE. I000	#2 HOWARD ST. I000	#3 OAKTON AVE. I000	SN 016-0555 #3 OVER CHC RIVER SFTY-2A	SN 016-0827 #3 OVER I-94 SFTY-2A	
55039700	STORM SEWERS TO BE CLEANED	FOOT	2700	1000		1700			
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ FT	1294						1294
60250200	CATCH BASINS TO BE ADJUSTED	EACH	12	1	9	2			
60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	8			8			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	1	1	1			
60254100	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	4			4			
60255500	MANHOLES TO BE ADJUSTED	EACH	1			1			
60260100	INLETS TO BE ADJUSTED	EACH	2			2			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	60			60			
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	131	68	21	42			
60403500	GRATES, TYPE B	EACH	6	6					
60404805	FRAMES AND GRATES, TYPE 11V	EACH	5	5					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	62		2	60			
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2		2				
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	9.6	9.6					
60602800	CONCRETE GUTTER, TYPE B	FOOT	2624	2624					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	100			100			
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	25			25			
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	1			1			
* 63200310	GUARDRAIL REMOVAL	FOOT	75			75			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	2	1	2			
67100100	MOBILIZATION	L SUM	1	0.35	0.2	0.45			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	15		15			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.35	0.20	0.45			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.35	0.20	0.45			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.50	0.50				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.35	0.20	0.45			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1						1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	21989	7950	605	13434			
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2373	363	370	1640			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	67048	28030	3018	36000			

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

Rev.

3/30/2006

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03TRS	COOK	58	4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
* 2786, 1334, 1332				
100% STATE				

SUMMARY OF QUANTITIES			100% STATE						
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
				#1 LEHIGH AVE. I000	#2 HOWARD ST. I000	#3 OAKTON AVE. I000	SN 016-0555 #3 OVER CHC RIVER SFTY-2A	SN 016-0827 #3 OVER I-94 SFTY-2A	50 CITY 50% STATE Y025
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7549	2763	746	4040			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	155		155				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1424	224		1200			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1469	535	183	751			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	36305	13170	1635	21500			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1553	363	370	820			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	67048	28030	3018	36000			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7549	2763	746	4040			
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	155		155				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1424	224		1200			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1469	535	183	751			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1079	229	81	769			
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1			1			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	127	90	37				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3345	776	323	2246			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1060		1060				
* 87900200	DRILL EXISTING HANDHOLE	EACH	6		6				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	174		174				
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	916		916				
X0320887	POLYMER CONCRETE	CU FT	9.5			9.5			
X0320866	PROTECTIVE SHIELD (PERMANENT)	SQ YD	750					750	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	270.4	51.4	64	155			
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	4307	3548.5	691				67.5
X4066548	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	TON	4817			4622	50	145	
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	3703	1284	350	2034	35		
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	10780	10780					
44000910	BITUMINOUS CONCRETE REMOVAL (DECK)	SQ YD	1525					1525	
X4421000	PARTIAL DEPTH PATCHING	TON	163	163					
X4422025	PARTIAL DEPTH REMOVAL 2"	SQ YD	1453	1453					

SUMMARY OF QUANTITIES			100% STATE						
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				#1 LEHIGH AVE. I000	#2 HOWARD ST. I000	#3 OAKTON AVE. I000	SN 016-0555 #3 OVER CHC RIVER SFTY-2A	SN 016-0827 #3 OVER I-94 SFTY-2A	50 CITY 50% STATE Y025
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1						
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	26						26
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	175						175
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	39						39
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	143	58		85			
Z0037620	PAVEMENT RELIEF JOINT, REMOVE AND REPLACE	SQ FT	107					107	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.45	0.1	0.45			
50501130	STRUCTURAL STEEL REPAIR	POUND	865						865
X0321744	SILICONE JOINT SEALER, 2'	FOOT	98					98	
X0323077	SILICONE JOINT SEALER, 2 3/4"	FOOT	130						130

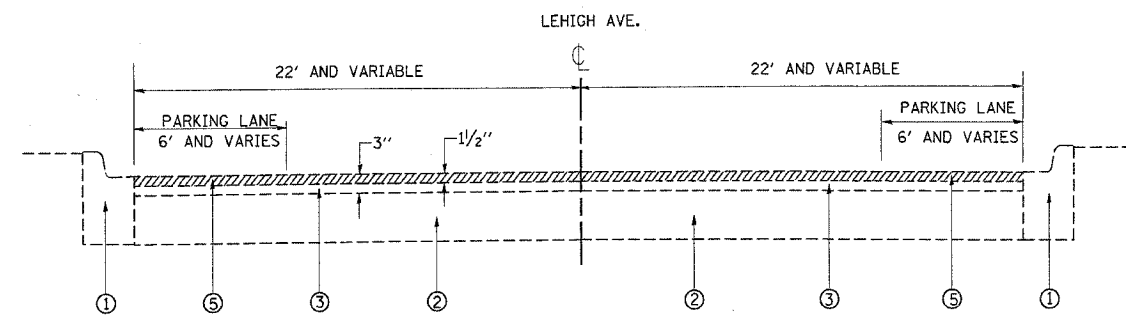
* SPECIALTY ITEM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES
NAME	DATE	

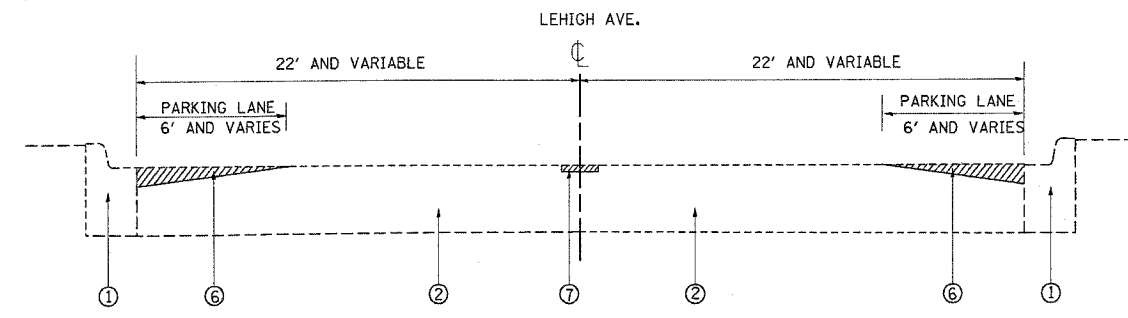
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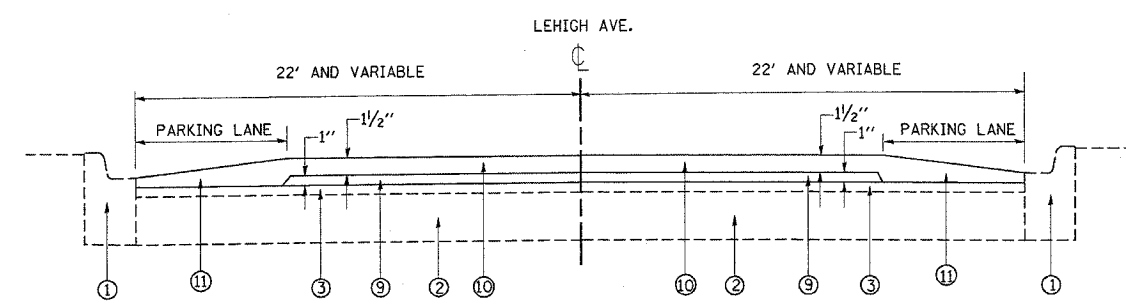
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-037RS	COOK		58	5
STA. 0+46		TO STA. 16+48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* 2786, 1334, 1332				



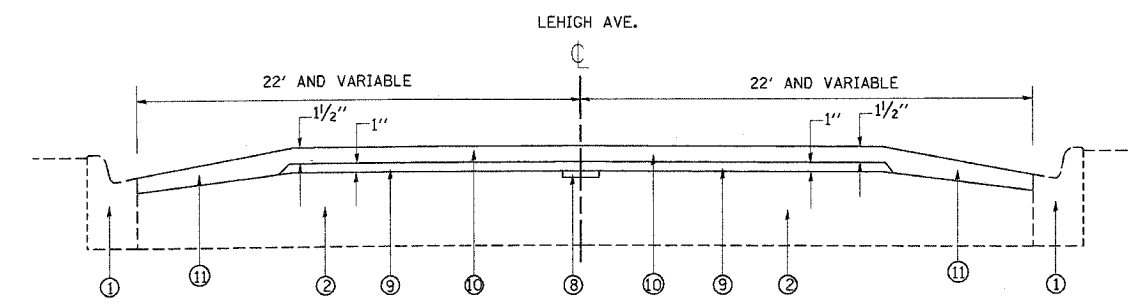
EXISTING TYPICAL SECTION
 STA 0+46 TO 5+33
 STA 7+09 TO 8+51
 STA 8+93 TO 9+55



EXISTING TYPICAL SECTION
 STA 9+55 TO 16+48



PROPOSED TYPICAL SECTION
 STA 0+46 TO 5+33
 STA 7+09 TO 8+51
 STA 8+93 TO 9+55



PROPOSED TYPICAL SECTION
 STA 9+55 TO 16+48

LEGEND

- ① EXISTING COMB. CURB AND GUTTER TYPE B-6.12
- ② EXISTING PCC PAVEMENT (10" AND VARIES)
- ③ EXISTING BIT. AFTER MILLING SURFACE, 1/2"
- ④ EXISTING CONCRETE MEDIAN
- ⑤ PROP. BIT. SURFACE REMOVAL, 1/2"
- ⑥ PROP. PCC SURFACE REMOVAL (VAR. DEPTH), SEE DISTRICT DETAIL BD-33
- ⑦ PROP. PARTIAL DEPTH REMOVAL, 2"
- ⑧ PROP. POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 2"
- ⑨ PROP. POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 1"
- ⑩ PROP. BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1/2"
- ⑪ PROP. BIT. TAPER AT EDGE OF P.C.C. PAVEMENT (SEE DISTRICT DETAIL BD-33)
- ⑫ EXISTING AGGREGATE SHOULDER
- ⑬ PROP. AGGREGATE SHOULDER, TYPE B
- ⑭ PROP. MEDIAN REMOVAL (PARTIAL DEPTH)
- ⑮ EXISTING GUTTER, TYPE B
- ⑯ PROP. BIT SHOULDERS, SUPERPAVE, 8"

BITUMINOUS MIXTURE REQUIREMENTS

MIXTURE USE	AC TYPE	MAX RAP. (%)	AIR VOIDS (%)
POLYMERIZED LEVELING BINDER(MM), SUPERPAVE, IL-4.75, N50	SBS/SBR PG 76-28	0%	2.5% @ 50 GYR
BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D" N70	PG 64-22	10%	4% @ 70 GYR
BIT. REPLACEMENT OVER PATCHES (BINDER IL-19)	PG 64-22	15%	4% @ 70 GYR
CLASS D PATCHES (BINDER, IL-19) 8", 10"	PG 64-22	15%	4% @ 70 GYR
BITUMINOUS SHOULDERS, 6" & 8"	PG 64-22	15%	4% @ 70 GYR

NOTE: THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LEHIGH AVE.
 (CENTRAL AVE. TO OAKTON AVE.)
 EXISTING AND PROPOSED
 TYPICAL SECTION**

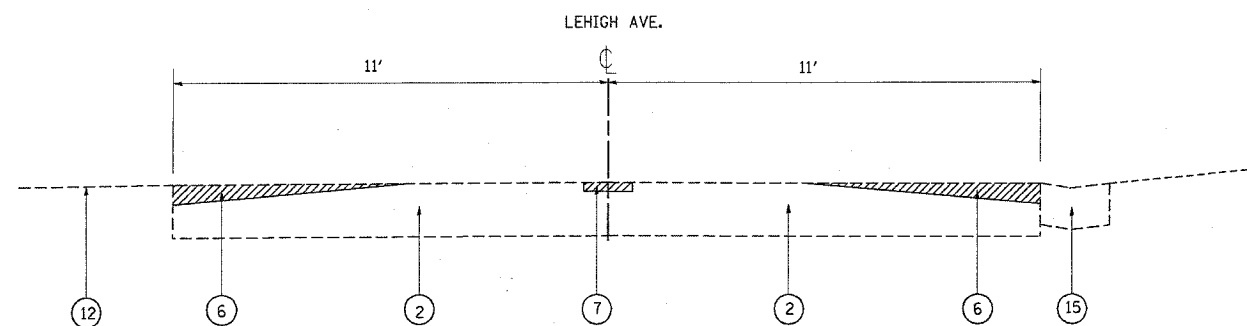
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 HORIZ. DATE 10/27/2005

DRAWN BY: RK
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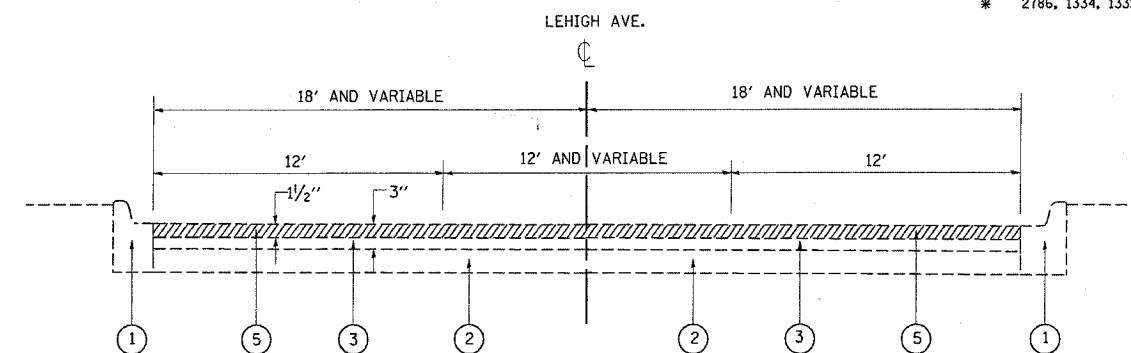
REF-
 REF-
 REF-

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-037RS	COOK		58	6
STA. 16+48 TO STA. 116+13				
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

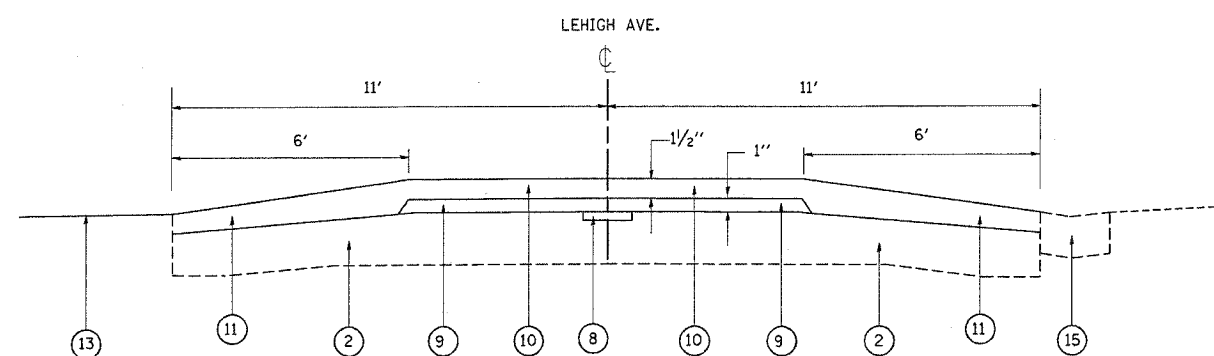
* 2786, 1334, 1332



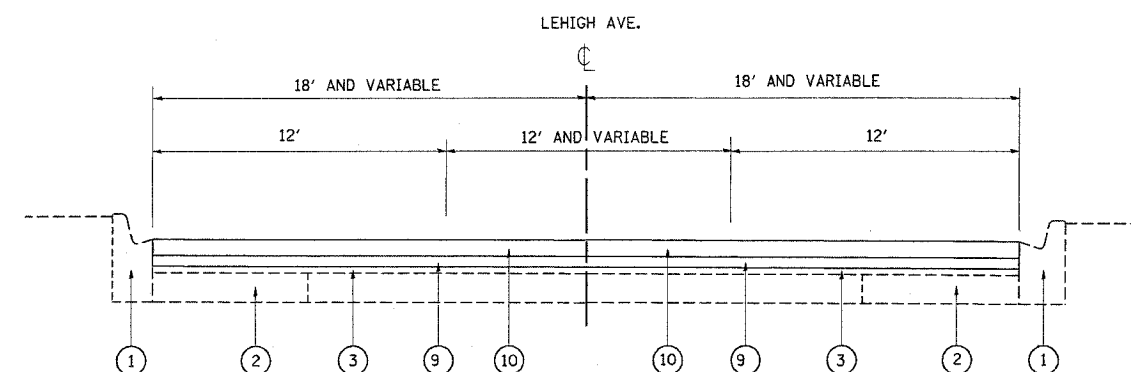
EXISTING TYPICAL SECTION
 STA 16+48 TO 60+48
 STA 77+41 TO 85+16
 STA 103+59 TO 116+13



EXISTING TYPICAL SECTION
 STA 60+48 TO 65+63
 STA 66+32 TO 72+54



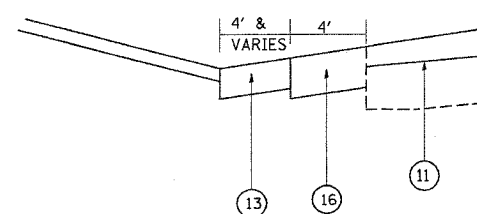
PROPOSED TYPICAL SECTION
 STA 16+48 TO 60+48
 STA 77+41 TO 85+16
 STA 103+59 TO 116+13



PROPOSED TYPICAL SECTION
 STA 60+48 TO 65+53
 STA 66+32 TO 72+54

LEGEND

- ① EXISTING COMB. CURB AND GUTTER TYPE B-6.12
- ② EXISTING PCC PAVEMENT (10" AND VARIES)
- ③ EXISTING BIT. AFTER MILLING SURFACE, 1 1/2"
- ④ EXISTING CONCRETE MEDIAN
- ⑤ PROP. BIT. SURFACE REMOVAL, 1 1/2"
- ⑥ PROP. PCC SURFACE REMOVAL (VAR. DEPTH), SEE DISTRICT DETAIL BD-33
- ⑦ PROP. PARTIAL DEPTH REMOVAL, 2"
- ⑧ PROP. POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 2"
- ⑨ PROP. POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 1"
- ⑩ PROP. BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 1/2"
- ⑪ PROP. BIT. TAPER AT EDGE OF P.C.C. PAVEMENT (SEE DISTRICT DETAIL BD-33)
- ⑫ EXISTING AGGREGATE SHOULDER
- ⑬ PROP. AGGREGATE SHOULDER, TYPE B
- ⑭ PROP. MEDIAN REMOVAL (PARTIAL DEPTH)
- ⑮ EXISTING GUTTER, TYPE B
- ⑯ PROP. BIT SHOULDERS, SUPERPAVE, 8"



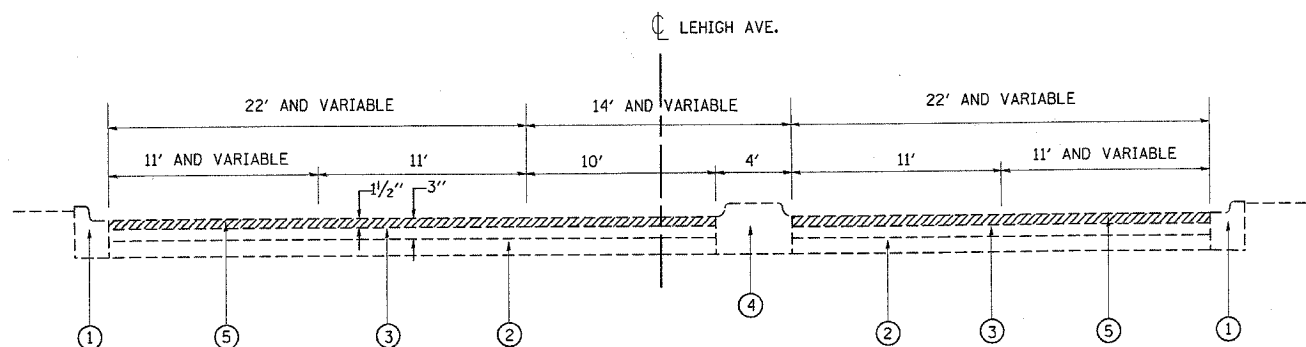
PROPOSED TYPICAL SECTION
 STA 81+25 TO 87+72
 STA 111+16 TO 116+13

REVISIONS	
NAME	DATE

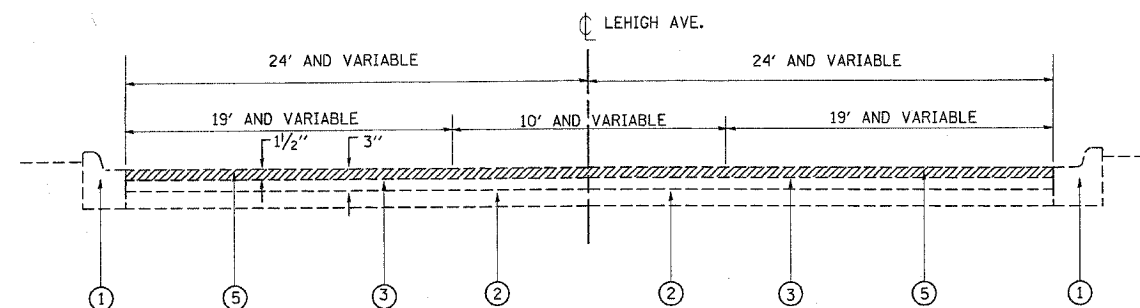
ILLINOIS DEPARTMENT OF TRANSPORTATION
**LEHIGH AVE.
 (CENTRAL AVE. TO OAKTON AVE.)
 EXISTING AND PROPOSED
 TYPICAL SECTION**
 SCALE: VERT. NONE
 HORIZ. DATE 10/27/2005
 DRAWN BY: RK
 CHECKED BY:

10/27/2005
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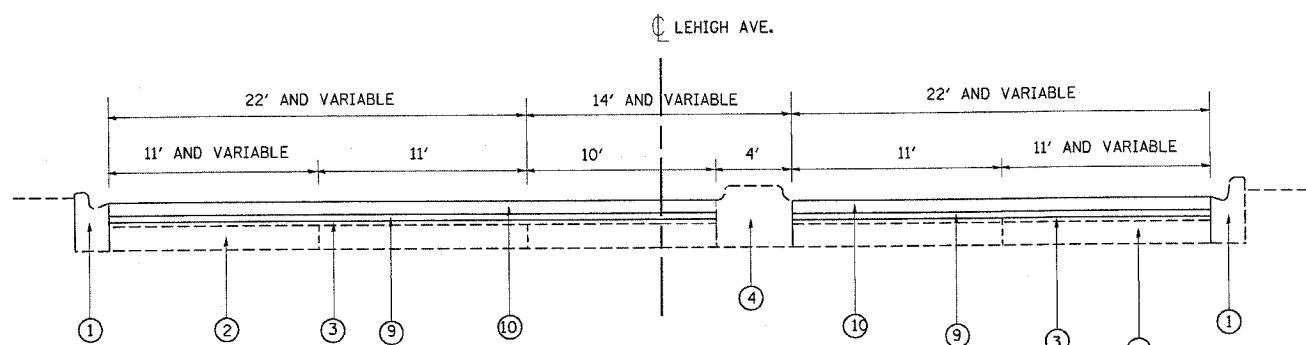
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-037RS	COOK	58	7
STA. 85+16		TO STA. 122+21.2		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* 2786, 1334, 1332				



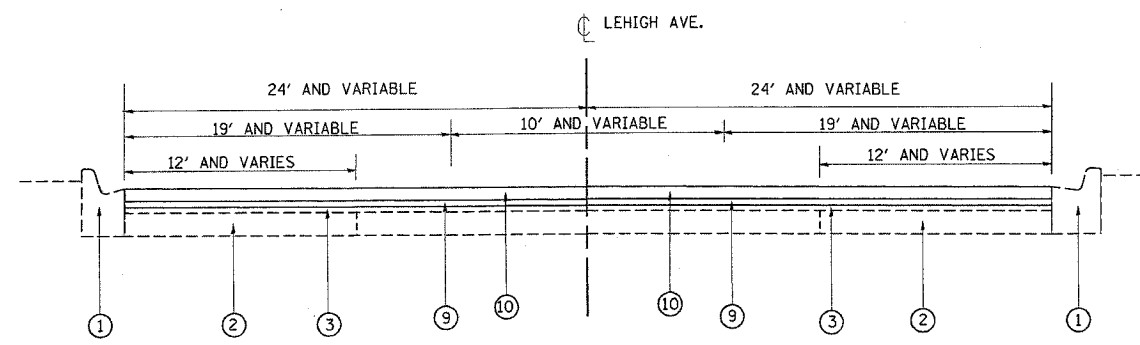
EXISTING TYPICAL SECTION
STA 85+16 TO 103+59



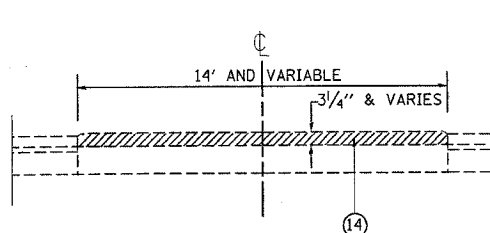
EXISTING TYPICAL SECTION
STA 116+13 TO 122+21



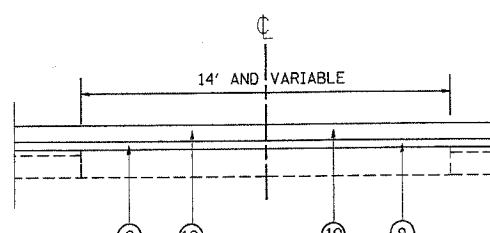
PROPOSED TYPICAL SECTION
STA 85+16 TO 103+59



PROPOSED TYPICAL SECTION
STA 116+13 TO 122+21



EXISTING TYPICAL SECTION
STA 88+75 TO 91+66
STA 96+55 TO 100+44
MEDIAN ONLY



PROPOSED TYPICAL SECTION
STA 88+75 TO 91+66
STA 96+55 TO 100+44
MEDIAN ONLY

LEGEND

- ① EXISTING COMB. CURB AND GUTTER TYPE B-6.12
- ② EXISTING PCC PAVEMENT (10" AND VARIES)
- ③ EXISTING BIT. AFTER MILLING SURFACE, 1/2"
- ④ EXISTING CONCRETE MEDIAN
- ⑤ PROP. BIT. SURFACE REMOVAL, 1/2"
- ⑥ PROP. PCC SURFACE REMOVAL (VAR. DEPTH), SEE DISTRICT DETAIL BD-33
- ⑦ PROP. PARTIAL DEPTH REMOVAL, 2"
- ⑧ PROP. POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 2"
- ⑨ PROP. POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 1"
- ⑩ PROP. BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1/2"
- ⑪ PROP. BIT. TAPER AT EDGE OF P.C.C. PAVEMENT (SEE DISTRICT DETAIL BD-33)
- ⑫ EXISTING AGGREGATE SHOULDER
- ⑬ PROP. AGGREGATE SHOULDER, TYPE B
- ⑭ PROP. MEDIAN REMOVAL (PARTIAL DEPTH)
- ⑮ EXISTING GUTTER, TYPE B
- ⑯ PROP. BIT SHOULDERS, SUPERPAVE, 8"

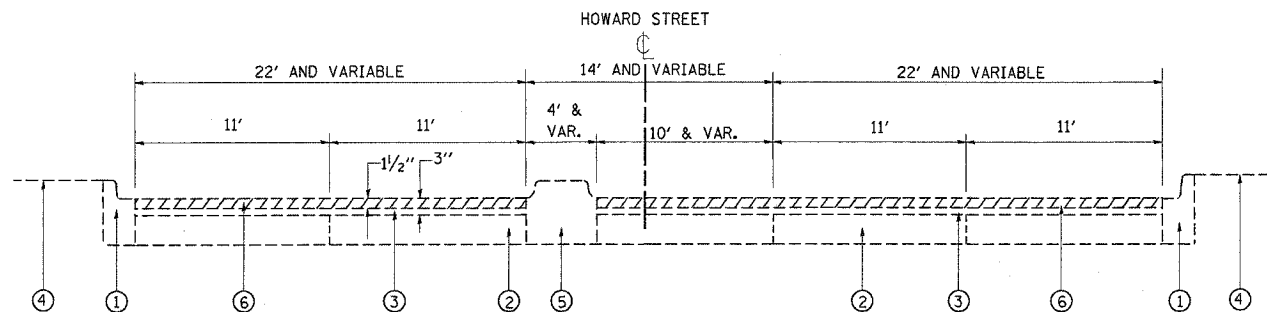
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

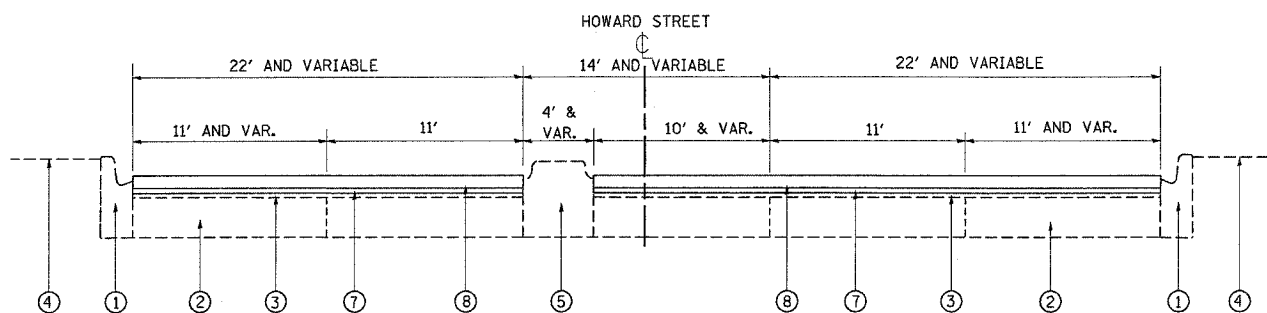
**LEHIGH AVE.
(CENTRAL AVE. TO OAKTON AVE.)
EXISTING AND PROPOSED
TYPICAL SECTIONS**

SCALE: VERT. DRAWN BY RN
 HORIZ. CHECKED BY
 DATE 10/27/2005

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-037RS	COOK	58	8	
STA. 188+50		TO STA. 201+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* 2786, 1334, 1332				



EXISTING TYPICAL SECTION
HOWARD STREET
STA. 188+50 TO 201+00



PROPOSED TYPICAL SECTION
HOWARD STREET
STA. 188+50 TO 201+00

LEGEND

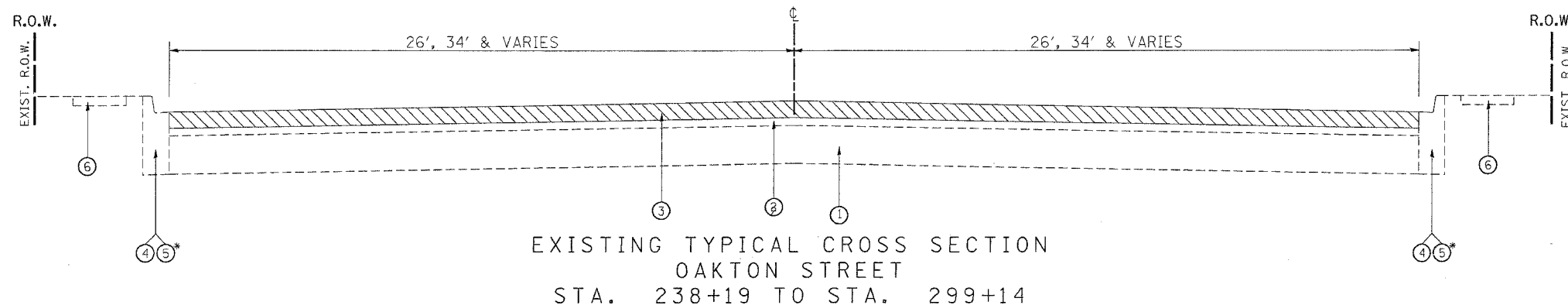
- ① EXISTING COMB. CURB AND GUTTER TYPE B-6.12
- ② EXISTING PCC PAVEMENT (10" AND VARIES)
- ③ EXISTING BIT. AFTER MILLING SURFACE, 1 1/2"
- ④ EXISTING GROUND LINE
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ PROP. BIT. SURFACE REMOVAL, 1 1/2"
- ⑦ PROP. POLYMERIZED LEV. BINDER (MM), SUPERPAVE, IL-4.75, N50, 3/4"
- ⑧ PROP. BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 1/2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION #2
HOWARD STREET
 (LEHIGH AVE. TO GROSS POINT RD.)
EXISTING AND PROPOSED
TYPICAL SECTIONS

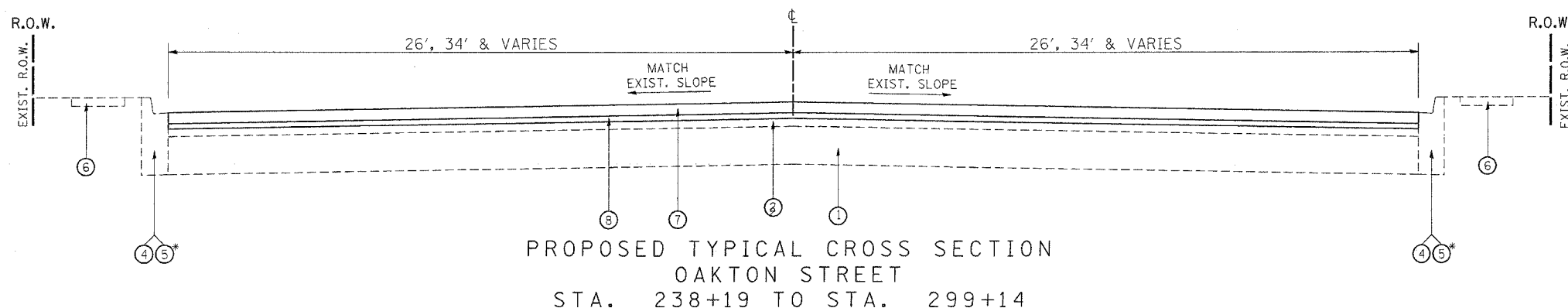
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 HORIZ. NONE
 DATE 10/27/2005 CHECKED BY:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2000-03TRS	COOK	58	9
STA. 238+19		TO STA. 299+14		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL CROSS SECTION
OAKTON STREET
STA. 238+19 TO STA. 299+14

* TYPE B6.24 CURB & GUTTER FROM STATION 295+29 TO STATION 299+14



PROPOSED TYPICAL CROSS SECTION
OAKTON STREET
STA. 238+19 TO STA. 299+14

LEGEND

- 1 EXISTING CONCRETE BASE COURSE, 10" (+/-)
- 2 EXISTING BITUMINOUS RESURFACING, 6" (+/-)
- 3 PROPOSED BITUMINOUS SURFACE REMOVAL, 2 1/2"
- 4 EXISTING B6.12 COMBINATION CONCRETE CURB & GUTTER
- 5 EXISTING B6.24 COMBINATION CONCRETE CURB & GUTTER
- 6 EXISTING P.C.C. SIDEWALK
- 7 PROPOSED POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX. "F", N90, 1 3/4"
- 8 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.5, N50, 3/4"

MIXTURE REQUIREMENTS			
MIXTURE USES	AC / PG	RAP % (MAX)	DESIGN AIR VOIDS
POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	SBS/SBR PG 70-22	0	4% @ 90 GYRATIONS
POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.5, N50	SBS/SBR PG 76-28	0	2.5% @ 50 GYRATIONS
BITUMINOUS REPLACEMENT OVER PATCHES BINDER IL-19.0MM	PG 64-22	15	4% @ 70 GYRATIONS
CLASS D PATCHING, BINDER IL-19.0MM	PG 64-22	15	4% @ 70 GYRATIONS

NOTE: THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

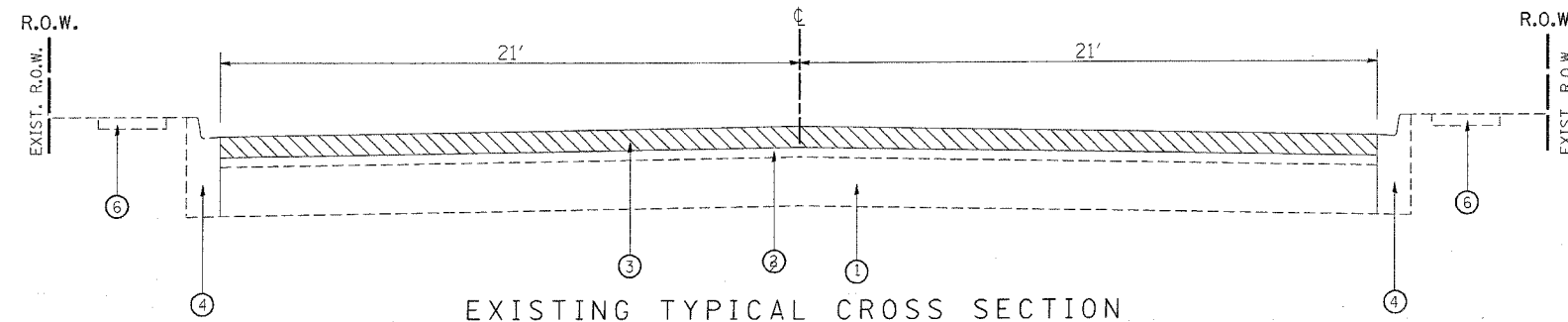
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

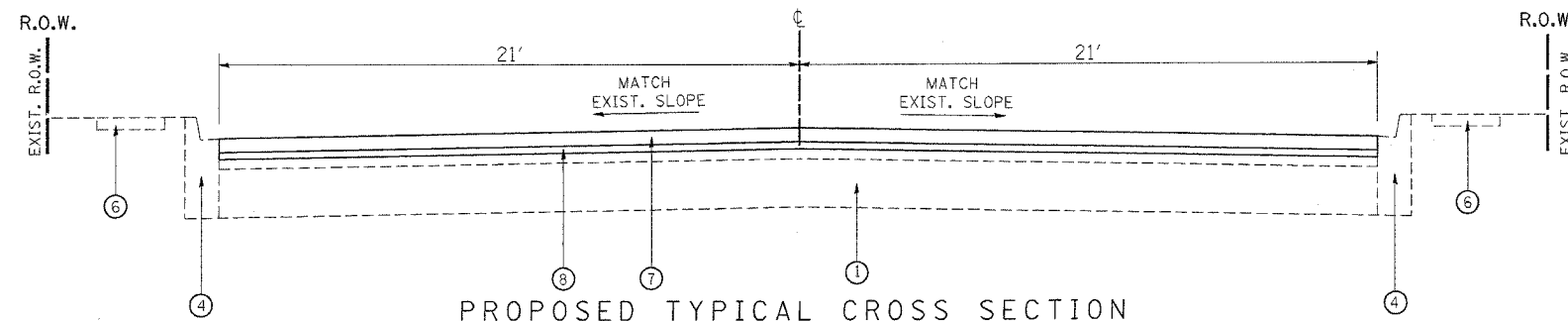
OAKTON ST.
(CALDWELL AVE. - LONG AVE.)
EXISTING AND PROPOSED
TYPICAL SECTIONS

SCALE: VERT. N/A
HORIZ. N/A
DATE 10/27/2005
DRAWN BY JR
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2000-037RS	COOK	58	11
STA. 307+59		TO STA. 317+75		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL CROSS SECTION
OAKTON STREET
STA. 307+59 TO STA. 317+75



PROPOSED TYPICAL CROSS SECTION
OAKTON STREET
STA. 307+59 TO STA. 317+75

LEGEND

- ① EXISTING CONCRETE BASE COURSE, 10" (+/-)
- ② EXISTING BITUMINOUS RESURFACING, 6" (+/-)
- ③ PROPOSED BITUMINOUS SURFACE REMOVAL, 2 1/2"
- ④ EXISTING B6.12 COMBINATION CONCRETE CURB & GUTTER
- ⑤ EXISTING B6.24 COMBINATION CONCRETE CURB & GUTTER
- ⑥ EXISTING P.C.C. SIDEWALK
- ⑦ PROPOSED POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX. "F", N90, 1 3/4"
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.5, N50, 3/4"

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

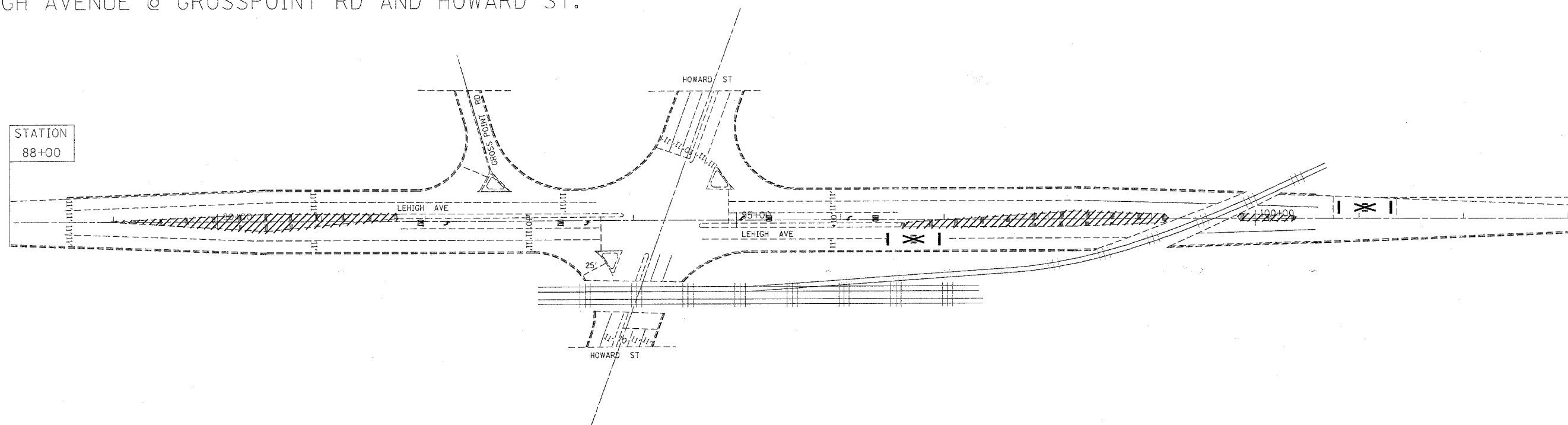
**OAKTON ST.
(CALDWELL AVE. - LONG AVE.)
EXISTING AND PROPOSED
TYPICAL SECTIONS**

SCALE: VERT. N/A
HORIZ. N/A
DATE 10/27/2005

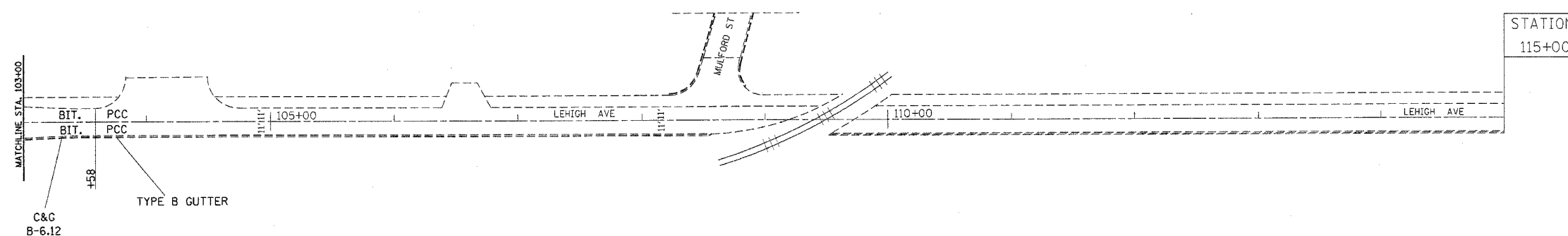
DRAWN BY JR
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-037RS	COOK	58	13
STA. 88+00		TO STA. 115+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 2786, 1334, 1332				

EXISTING PLAN
LEHIGH AVENUE @ GROSSPOINT RD AND HOWARD ST.



EXISTING PLAN
LEHIGH AVENUE @ GROSSPOINT RD AND HOWARD ST.

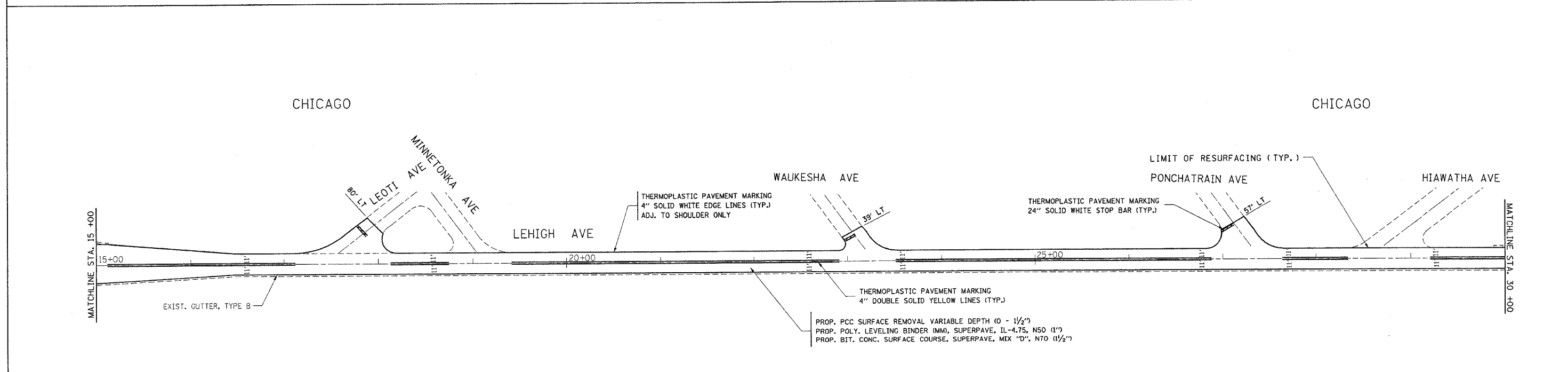
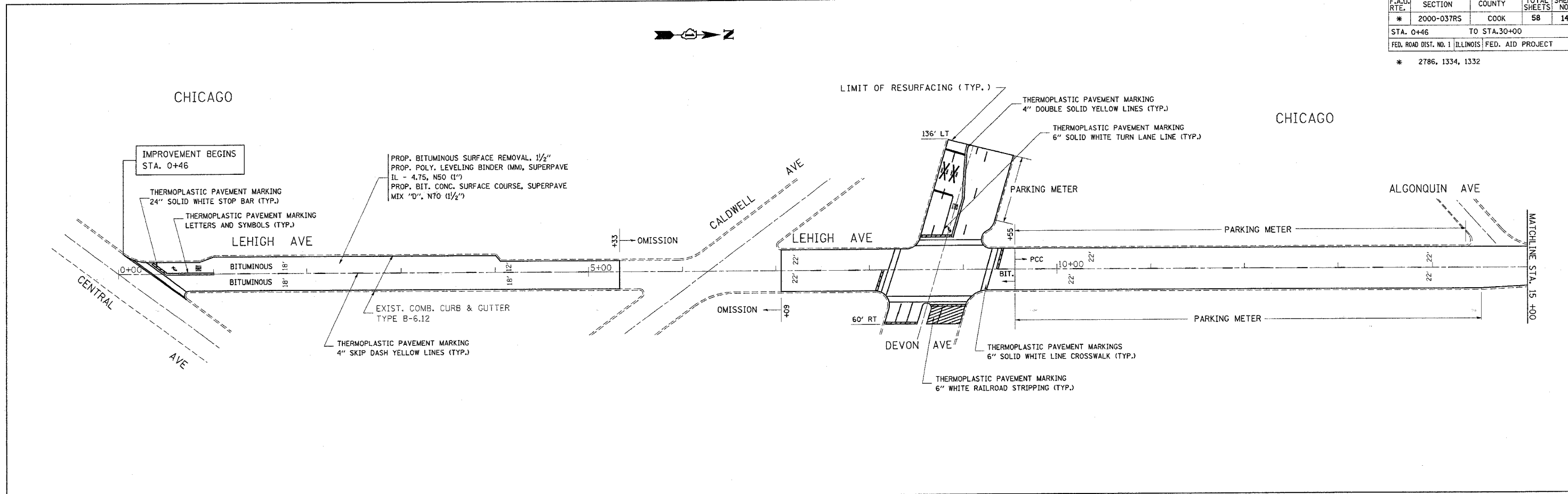


NOTE: FOR RESURFACING ACROSS THE RAILROAD TRACKS, SEE SPECIAL DETAILING @ THE RR TRACKS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING ROADWAY PLANS
LOCATION #1
LEHIGH AVE.
(CENTRAL AVE. TO OAKTON AVE.)**
SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY RN
CHECKED BY _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-037RS	COOK	58	14	
STA. 0+46		TO STA. 30+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* 2786, 1334, 1332				



REVISIONS	
NAME	DATE

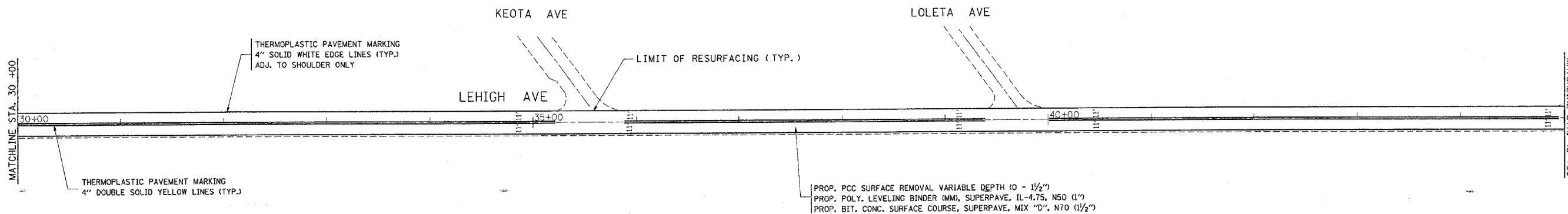
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION #1
LEHIGH AVE.
(CENTRAL AVE. TO OAKTON AVE.)
EXISTING AND PROPOSED ROADWAY
AND PAVEMENT MARKING PLANS
 VERT. SCALE: 1"=50'
 HORIZ. SCALE: 1"=50'
 DATE: _____ DRAWN BY: RN
 CHECKED BY: _____

CONTRACT 60930				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-037RS	COOK	58	15
STA. 30+00		TO STA. 60+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* 2786, 1334, 1332				



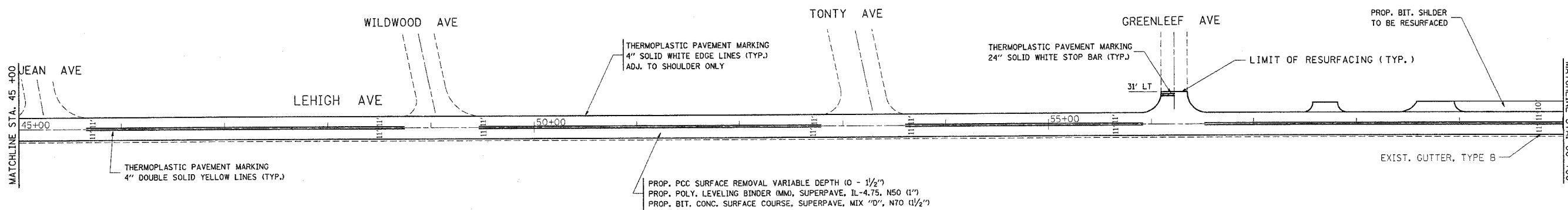
CHICAGO

CHICAGO



CHICAGO

CHICAGO



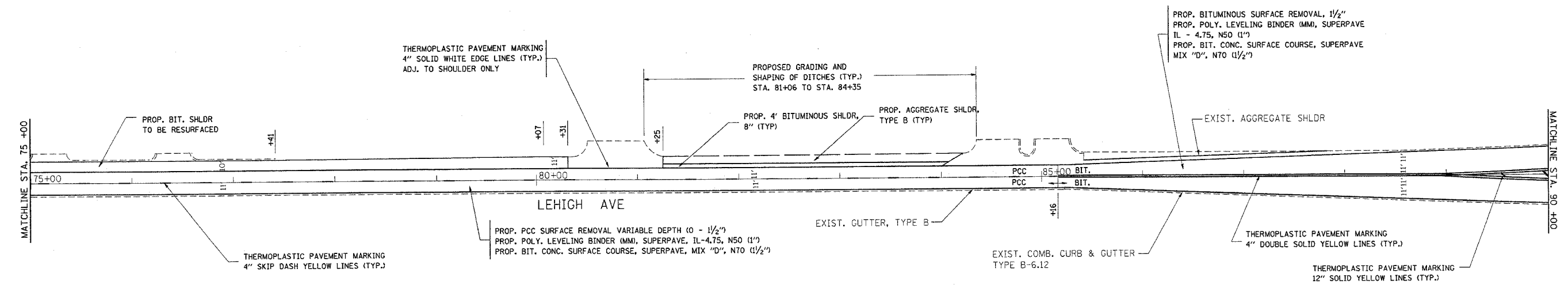
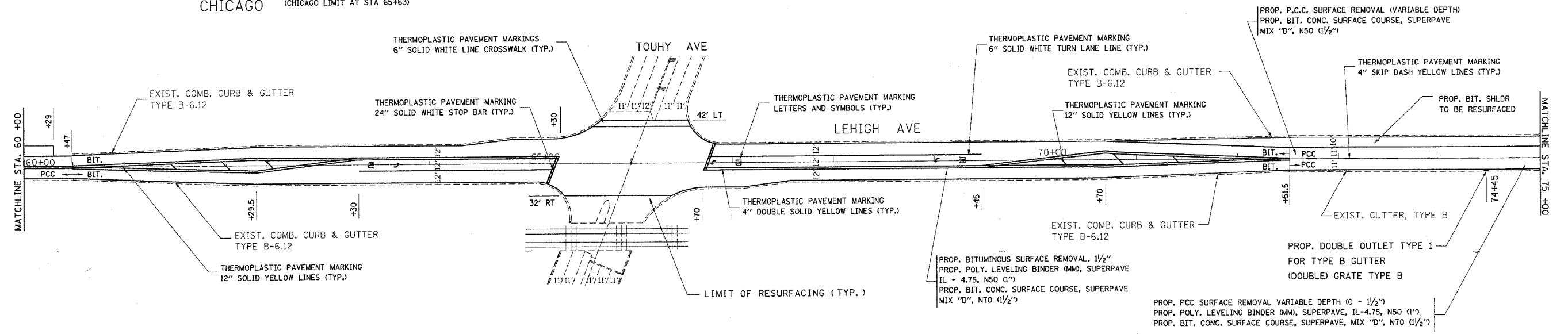
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION #1
LEHIGH AVE.
(CENTRAL AVE. TO OAKTON AVE.)
EXISTING AND PROPOSED ROADWAY
AND PAVEMENT MARKING PLANS
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DRAWN BY RN
 CHECKED BY

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03TRS	COOK	58	16
STA. 60+00		TO STA. 90+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

* 2786, 1334, 1332

CHICAGO (CHICAGO LIMIT AT STA 65+63)

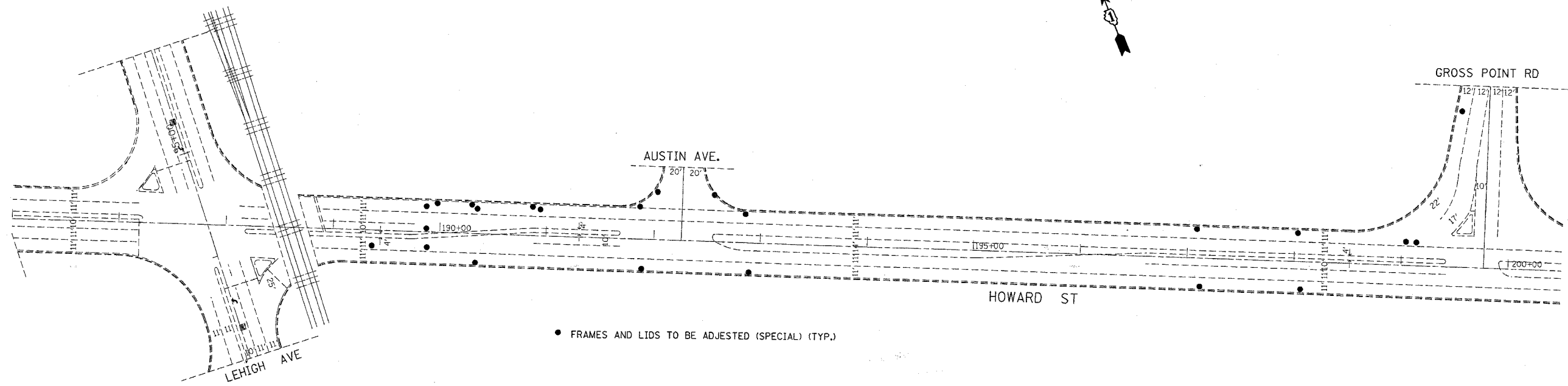


REVISIONS	
NAME	DATE

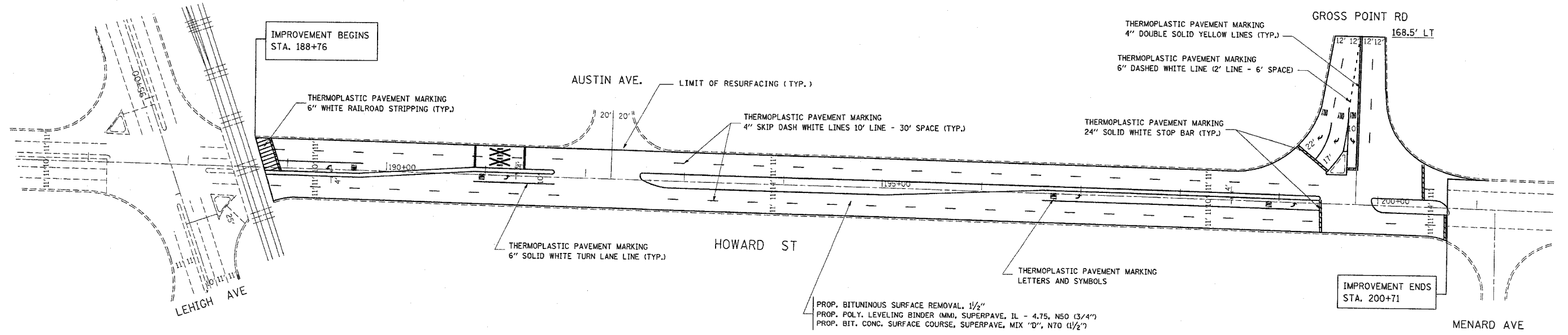
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION #1
LEHIGH AVE.
(CENTRAL AVE. TO OAKTON AVE.)
EXISTING AND PROPOSED ROADWAY
AND PAVEMENT MARKING PLANS

VERT. SCALE: 1"=50'
 HORIZ. SCALE: 1"=50'
 DATE: _____ DRAWN BY: RN
 CHECKED BY: _____

CONTRACT 60930				
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03TRS	COOK	58	19
STA. 188+76		TO STA. 200+71		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
* 2786, 1334, 1332				



EXISTING
PROPOSED

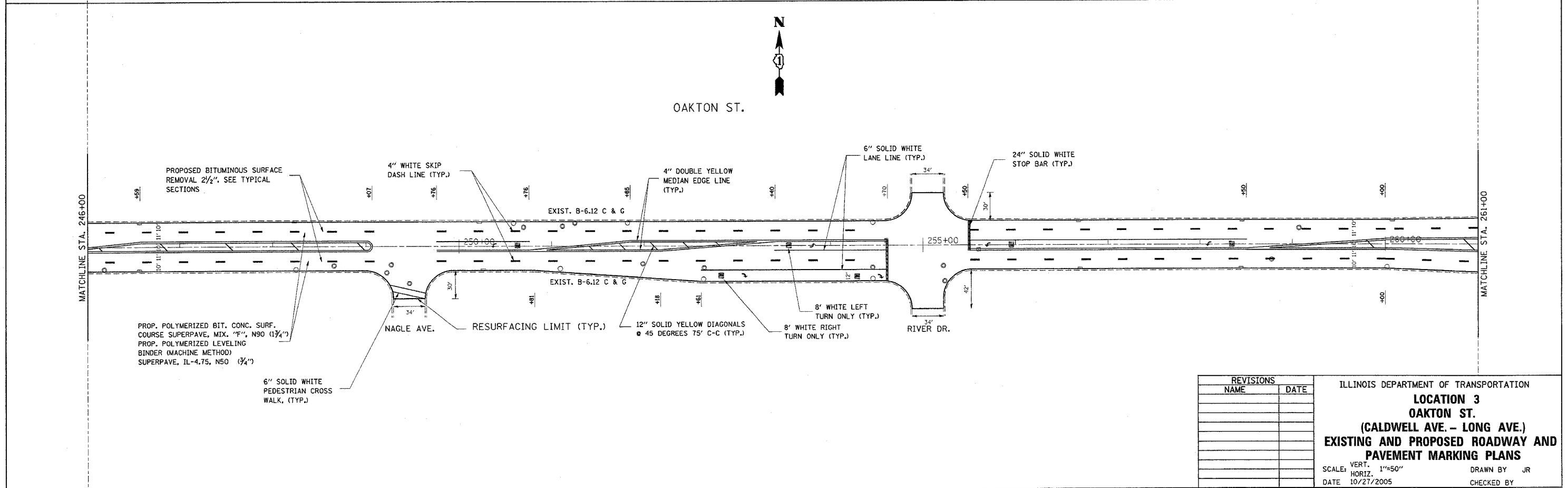
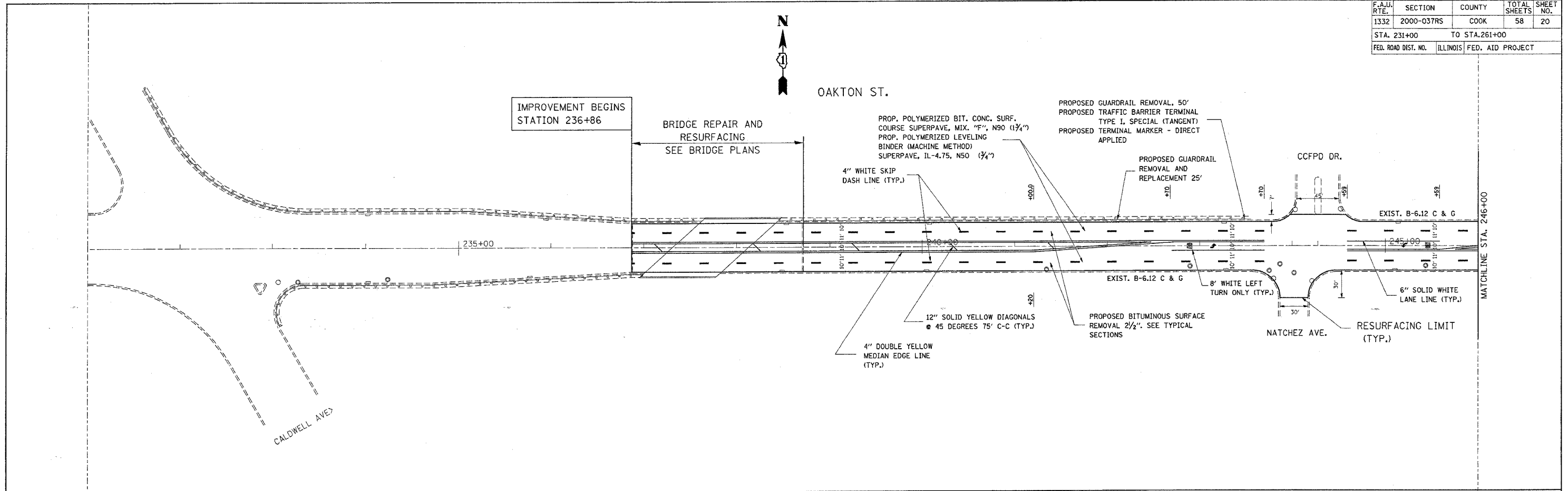


PROP. BITUMINOUS SURFACE REMOVAL, 1/2"
 PROP. POLY. LEVELING BINDER (MM), SUPERPAVE, IL - 4.75, N50 (3/4")
 PROP. BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX 'D', N70 (1/2")

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION #2
HOWARD ST.
(LEHIGH AVE. TO GROSS POINT RD.)
EXISTING AND PROPOSED ROADWAY
AND PAVEMENT MARKING PLANS
 SCALE: VERT. 1" = 50'
 HORIZ. 1" = 50'
 DATE _____ DRAWN BY RN
 CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2000-03TRS	COOK	58	20
STA. 231+00		TO STA. 261+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

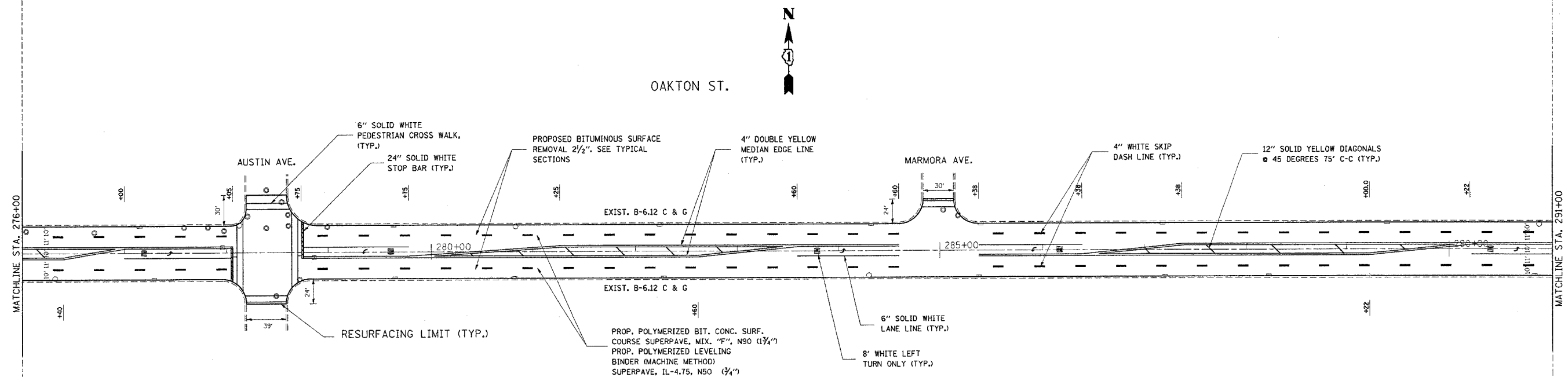
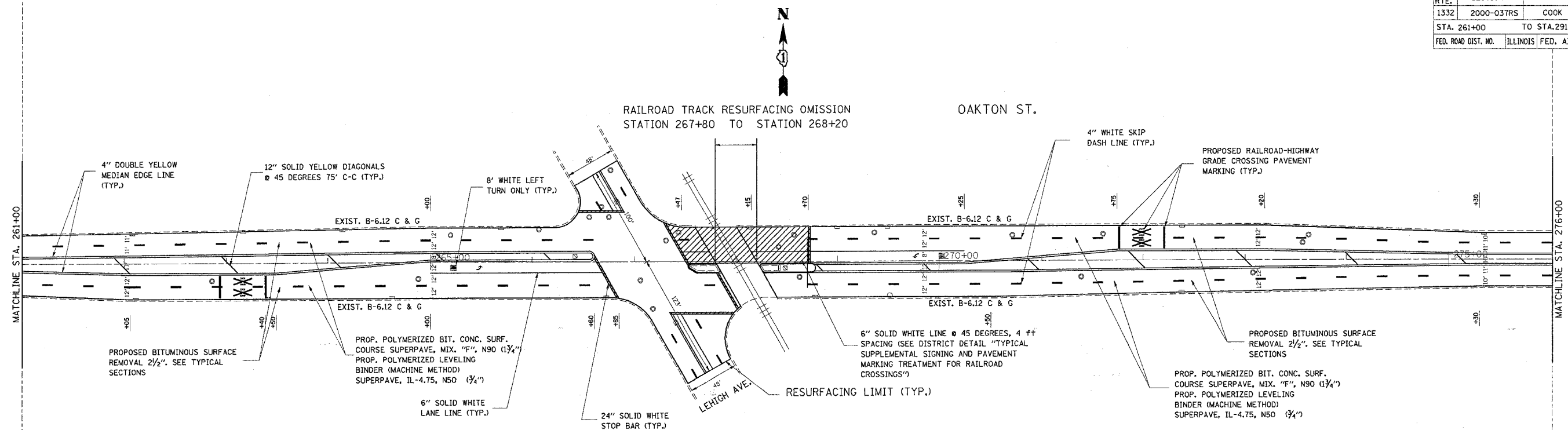


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 3
OAKTON ST.
(CALDWELL AVE. - LONG AVE.)
EXISTING AND PROPOSED ROADWAY AND
PAVEMENT MARKING PLANS
 SCALE: VERT. 1"=50"
 HORIZ. 1"=50"
 DATE 10/27/2005
 DRAWN BY JR
 CHECKED BY

10/27/2005
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2000-03TRS	COOK	58	21
STA. 261+00		TO STA. 291+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

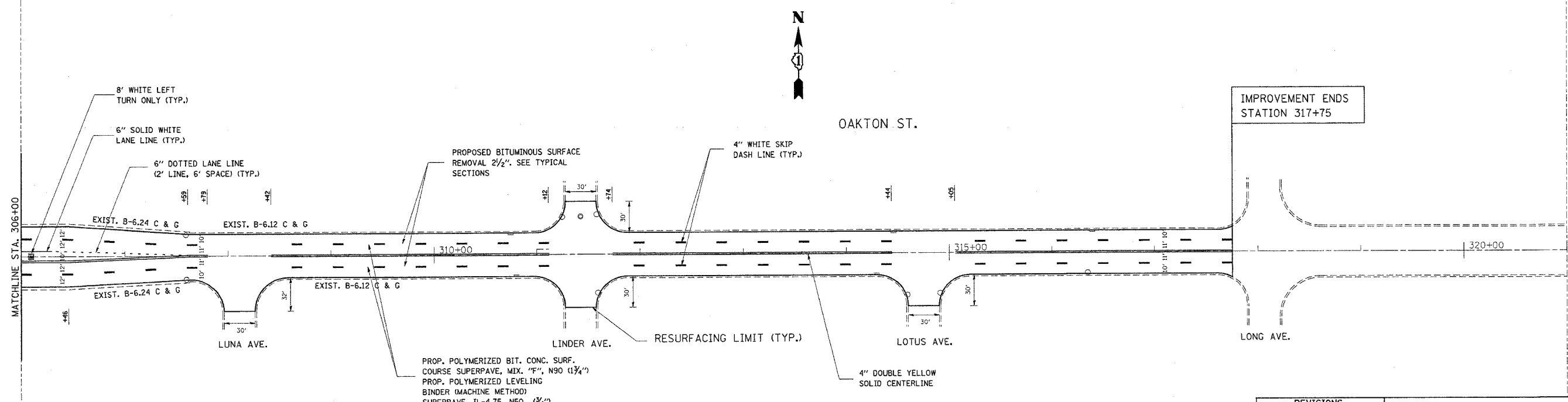
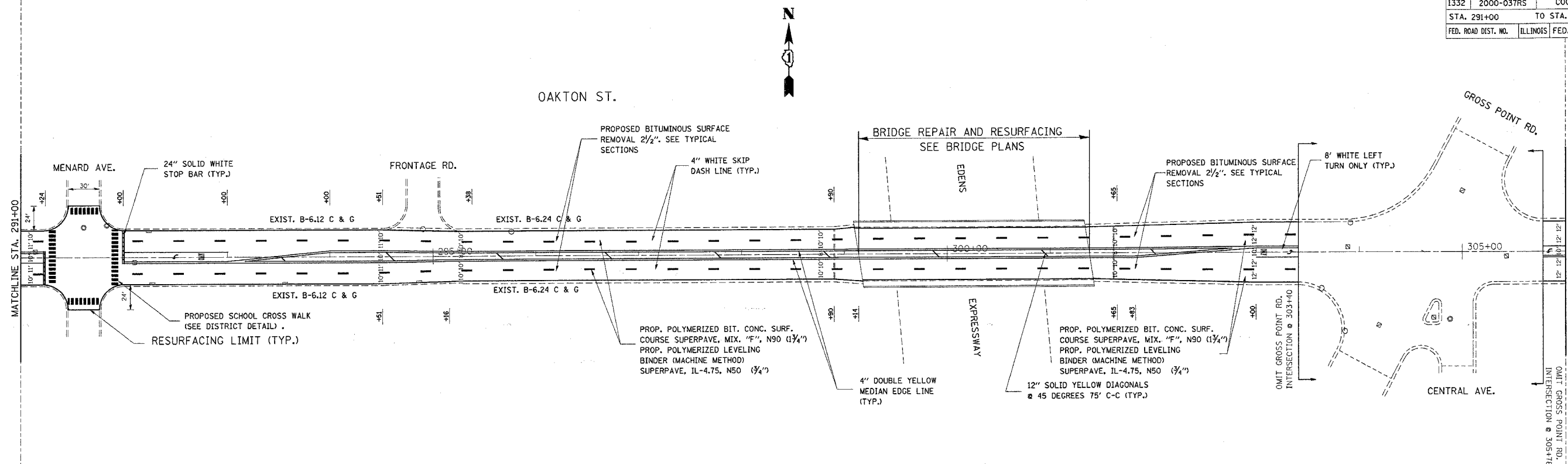
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 3
OAKTON ST.
(CALDWELL AVE. - LONG AVE.)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. 1"=50"
HORIZ. 1"=50'
DATE 10/27/2005

DRAWN BY JR
CHECKED BY

CONTRACT 60930

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	2000-037RS	COOK	58	22
STA. 291+00		TO STA. 321+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



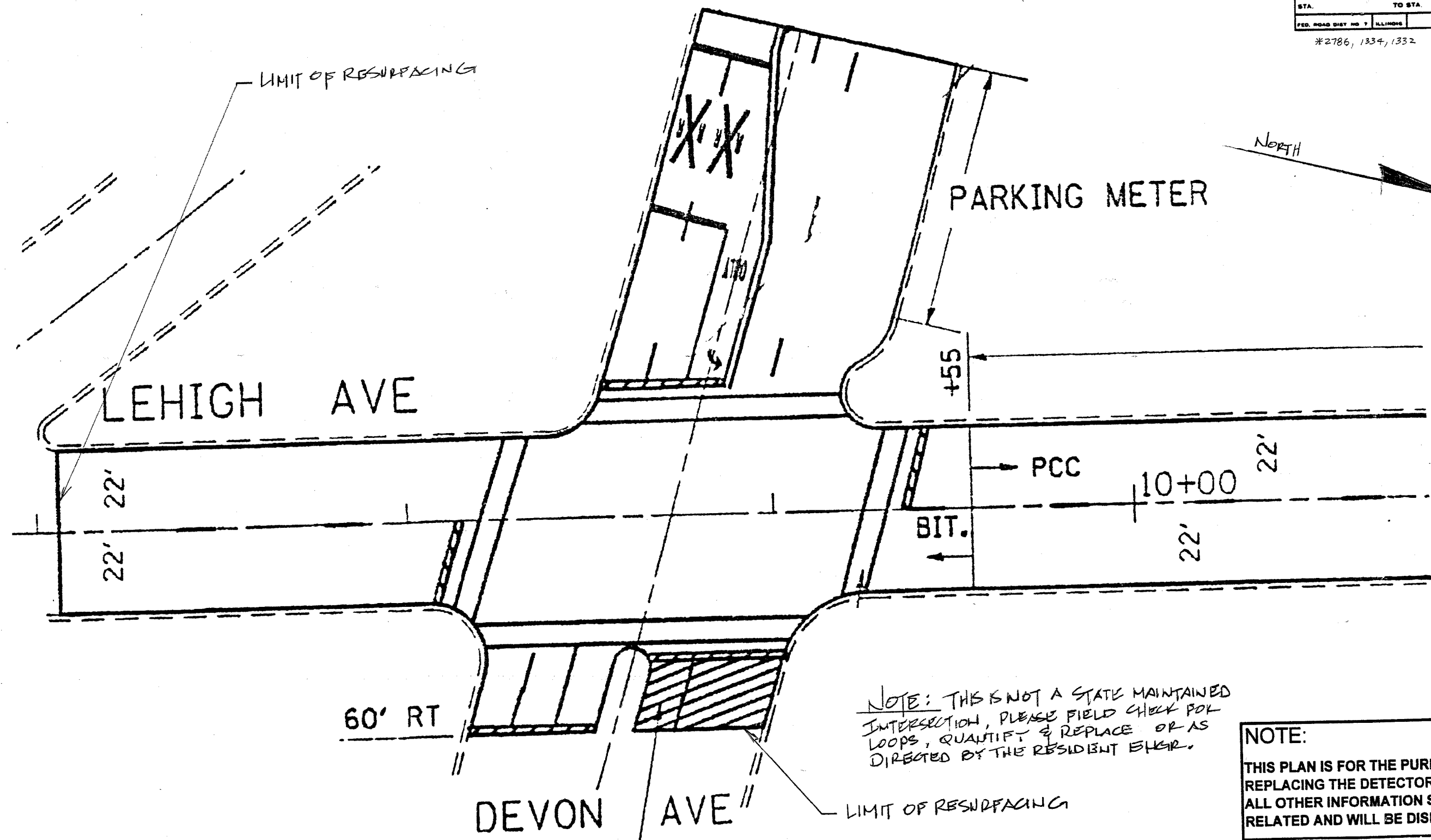
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 3
OAKTON ST.
(CALDWELL AVE. - LONG AVE.)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. 1"=50"
 HORIZ. 1"=50"
 DATE 10/27/2005

DRAWN BY JR
 CHECKED BY

10/27/2005
 c:\proj\1480\oc\1480000\oc.m32



NOTE: THIS IS NOT A STATE MAINTAINED INTERSECTION, PLEASE FIELD CHECK FOR LOOPS, QUANTIFY & REPLACE OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

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

CODE NO.	QUANTITY	UNIT	ITEM
86600600	?	Foot	Detector Loop Replacement
	FIELD VERIFY per Note		

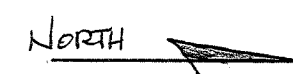
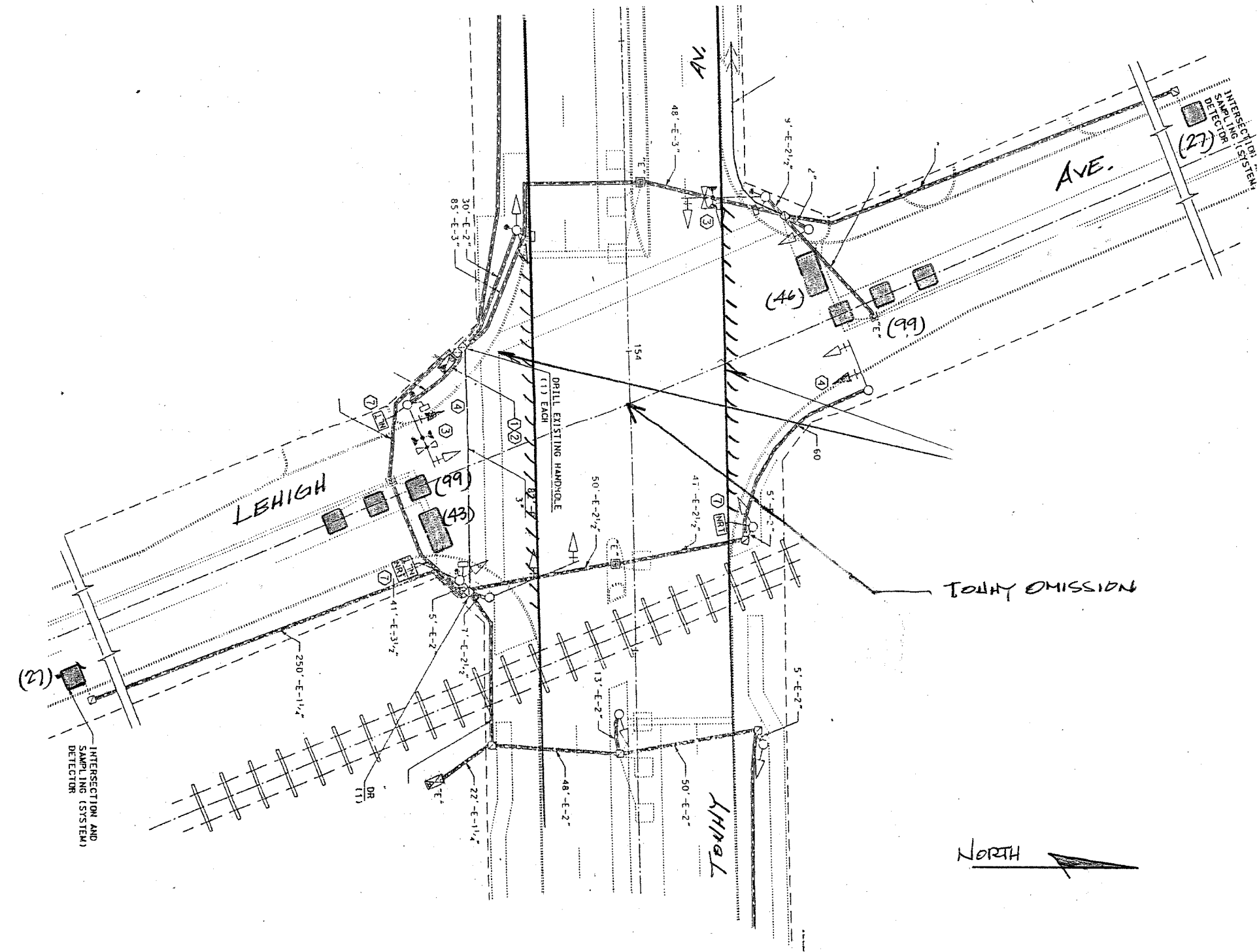
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
LEHIGH AV. @ DEVON AV.

SCALE: _____
DATE: _____

DRAWN BY: JHE
DESIGNED BY: JHE
CHECKED BY: DAD

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
* 2000-037RS	Cook	58	24
STA. TO STA.		FED. ROAD DIST NO Y ILLINOIS FED AID PROJECT	
		*2706, 1334, 1332	



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

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

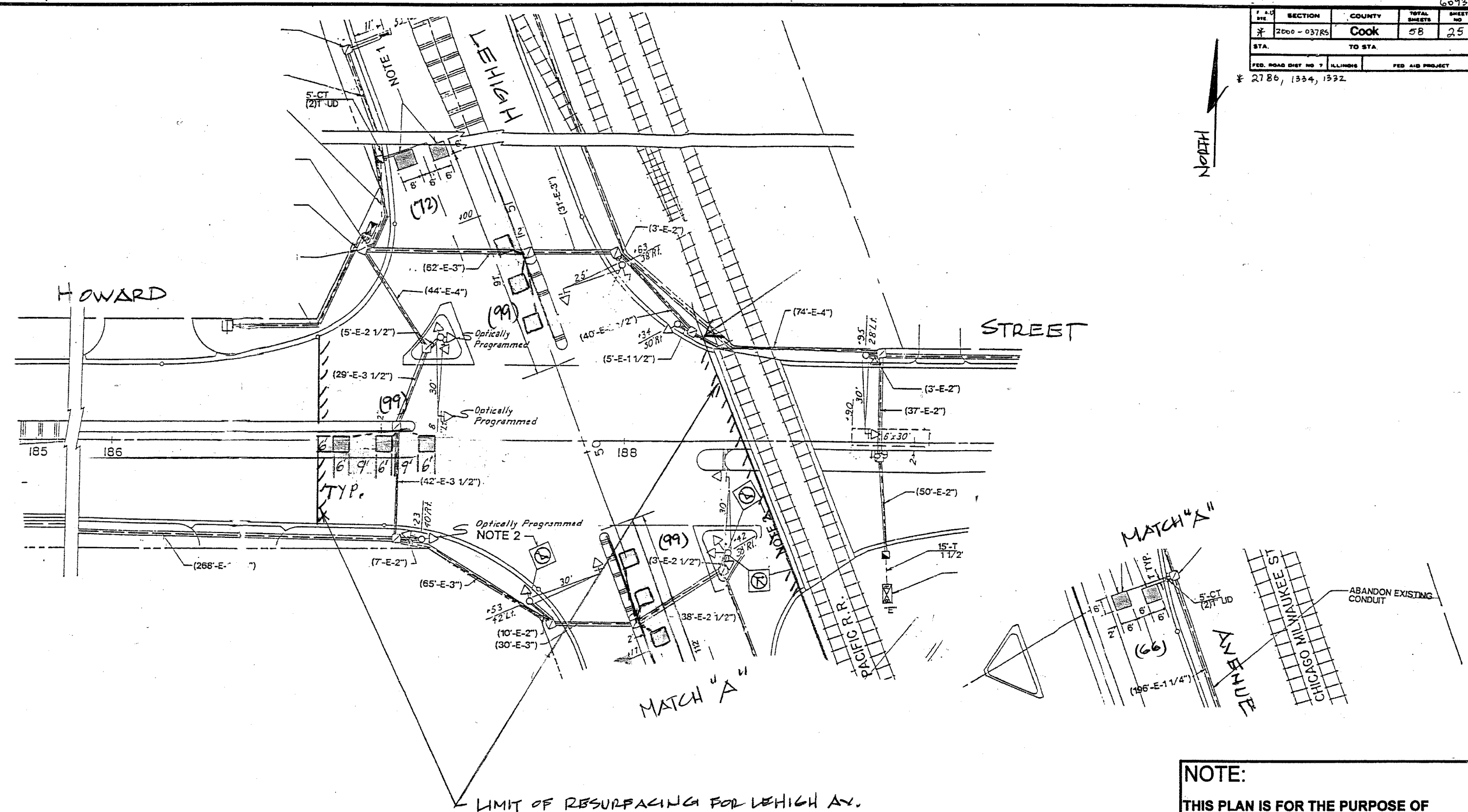
CODE NO.	QUANTITY	UNIT	ITEM
86600600	341	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
 LEHIGH AV. @ TOUHY AV.
 SCALE: NOTE
 DATE: OCT. 2005
 DRAWN BY: JHE
 DESIGNED BY: JHE
 CHECKED BY: DAD

F.A.D. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2000-03785		Cook	58	25
STA.		TO STA.		
FED. ROAD DIST NO 7 ILLINOIS		FED AID PROJECT		

2786, 1334, 1332



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

REPLACE ALL DETECTOR LOOPS AS SHOWN

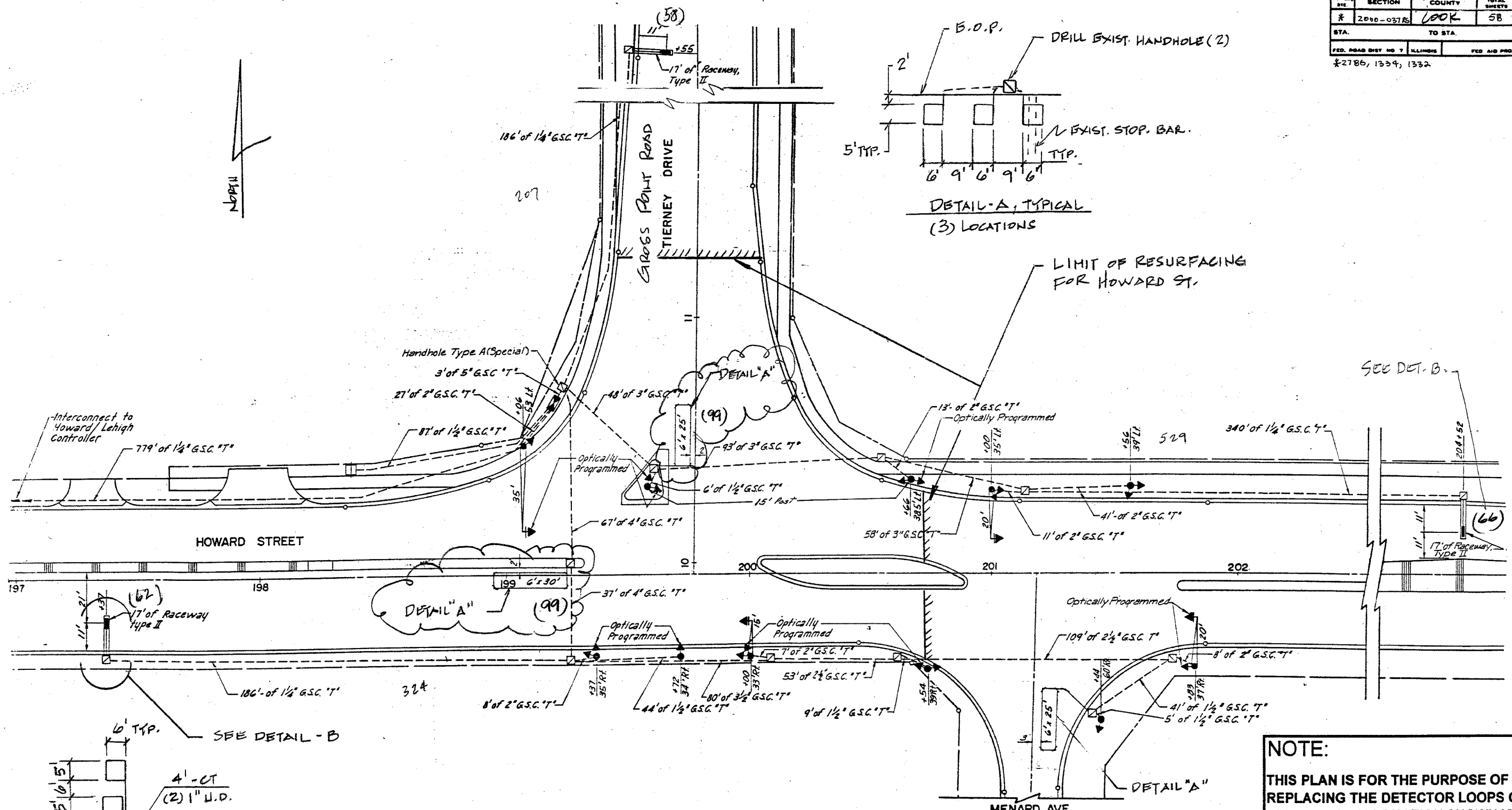
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	435	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
 LEHIGH AV. @ HOWARD ST.
 SCALE: NONE
 DATE: Oct. 2005
 DRAWN BY: JHE
 DESIGNED BY: JHE
 CHECKED BY: DAD

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2080-03785	COOK	58	27
STA. TO STA.		ILLINOIS FED. AID PROJECT	
*2786, 1339, 1332			



REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

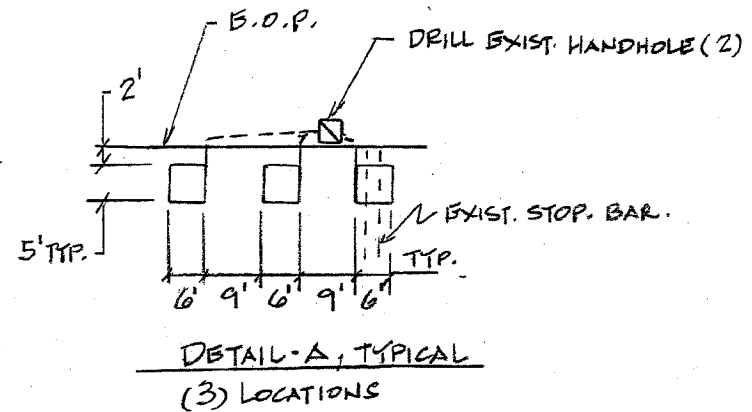
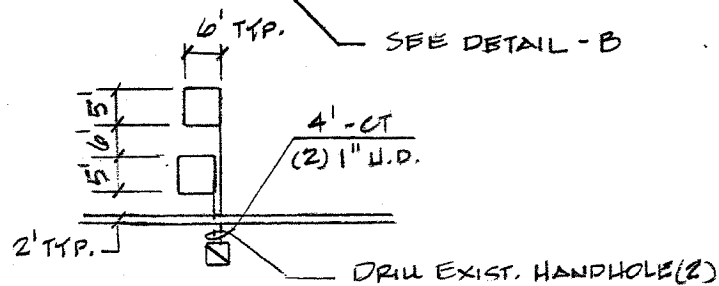
CODE NO.	QUANTITY	UNIT	ITEM
86600600	190	Foot	Detector Loop Replacement
87301305	1060	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 IFR
87900200	6	EACH	DRILL EXISTING HANDHOLE
88600100	186	FOOT	DETECTOR LOOP, TYPE 1
89502300	916	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT

REVISIONS	
NAME	DATE

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

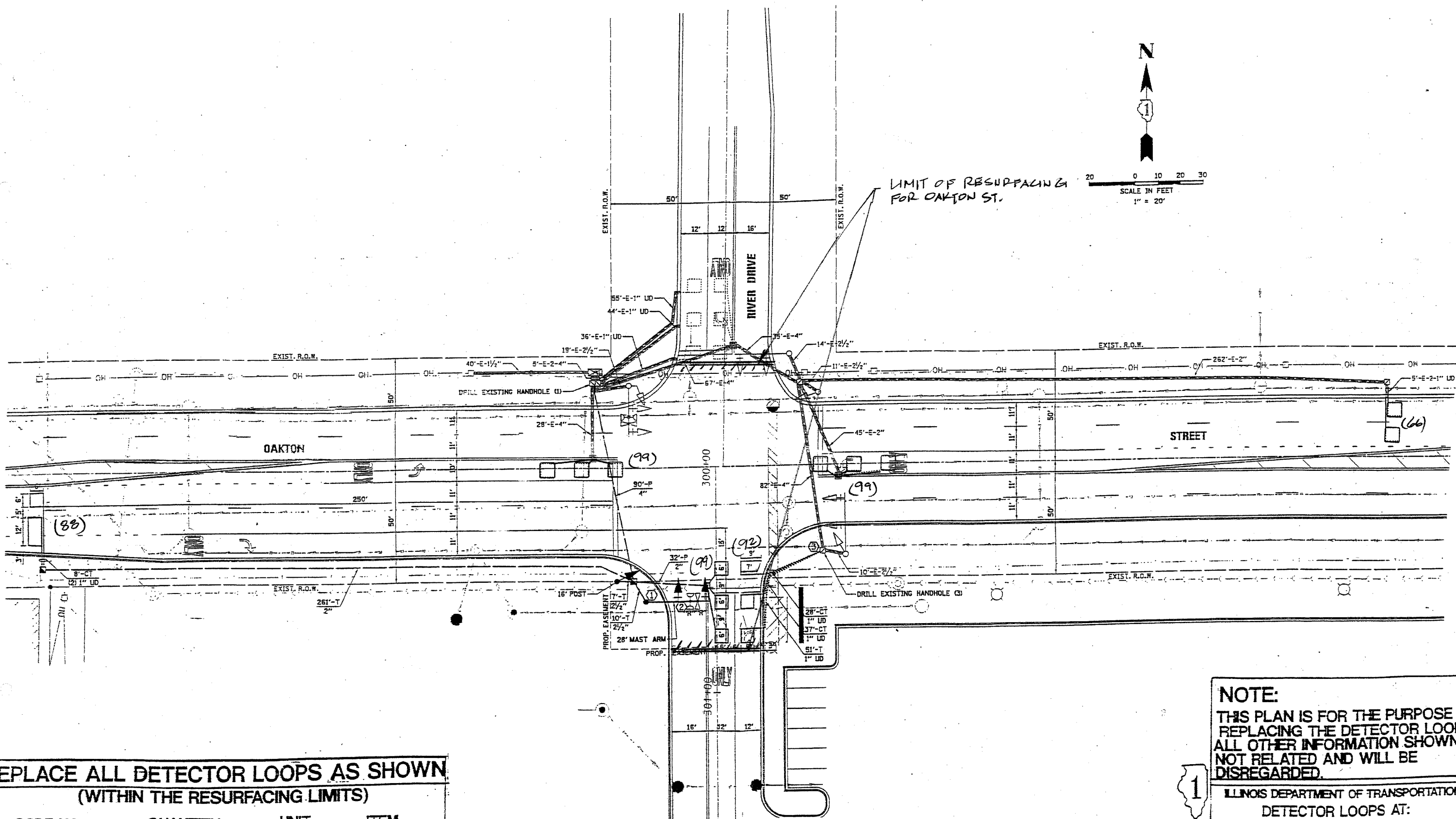
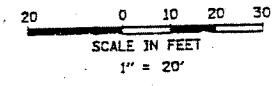
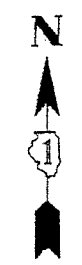
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
HOWARD STREET @ MENARD AV. / GROSS POINT ROAD
SCALE: 1" = 20'
DATE: OCT. 2005
DRAWN BY: J.E.
DESIGNED BY: J.E.
CHECKED BY: D.D.

DETECTOR LOOP - TYPE I
(TO REPLACE MAG-DETECTORS)
DETAIL-B
N.T.S.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2006-037RS	COOK	58	28	
STA.	TO STA.		28	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 2786, 1334, 1332
CONTRACT 60930



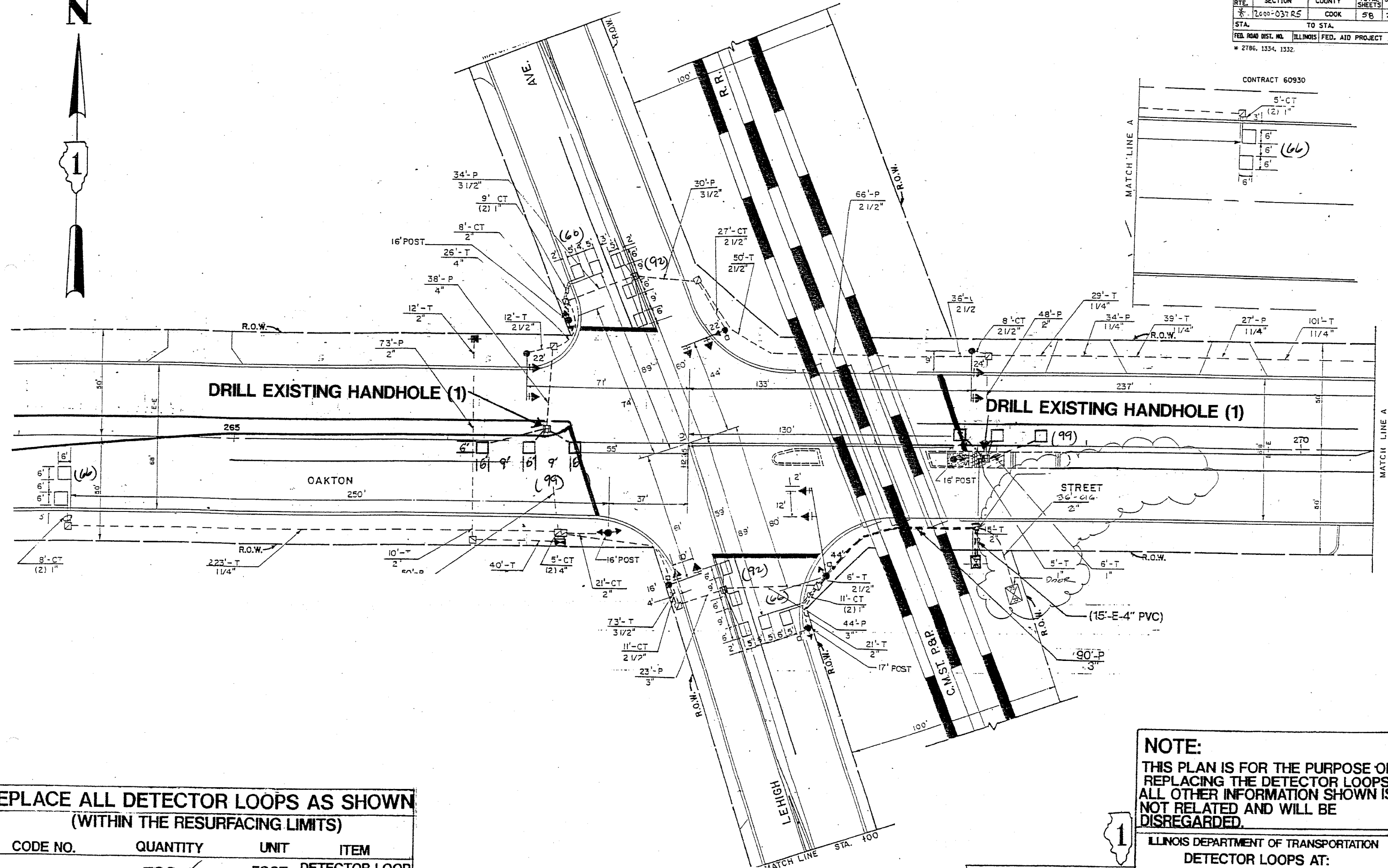
REPLACE ALL DETECTOR LOOPS AS SHOWN			
(WITHIN THE RESURFACING LIMITS)			
CODE NO.	QUANTITY	UNIT	ITEM
	543	FOOT	DETECTOR LOOP REPLACEMENT

SCALE T:
DATE 4-04
DESIGNED BY:
DRAWN BY:
CHECKED BY:

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



ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOPS AT:
OAKTON STREET &
RIVER DRIVE



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

CODE NO.	QUANTITY	UNIT	ITEM
	700	FOOT	DETECTOR LOOP REPLACEMENT

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

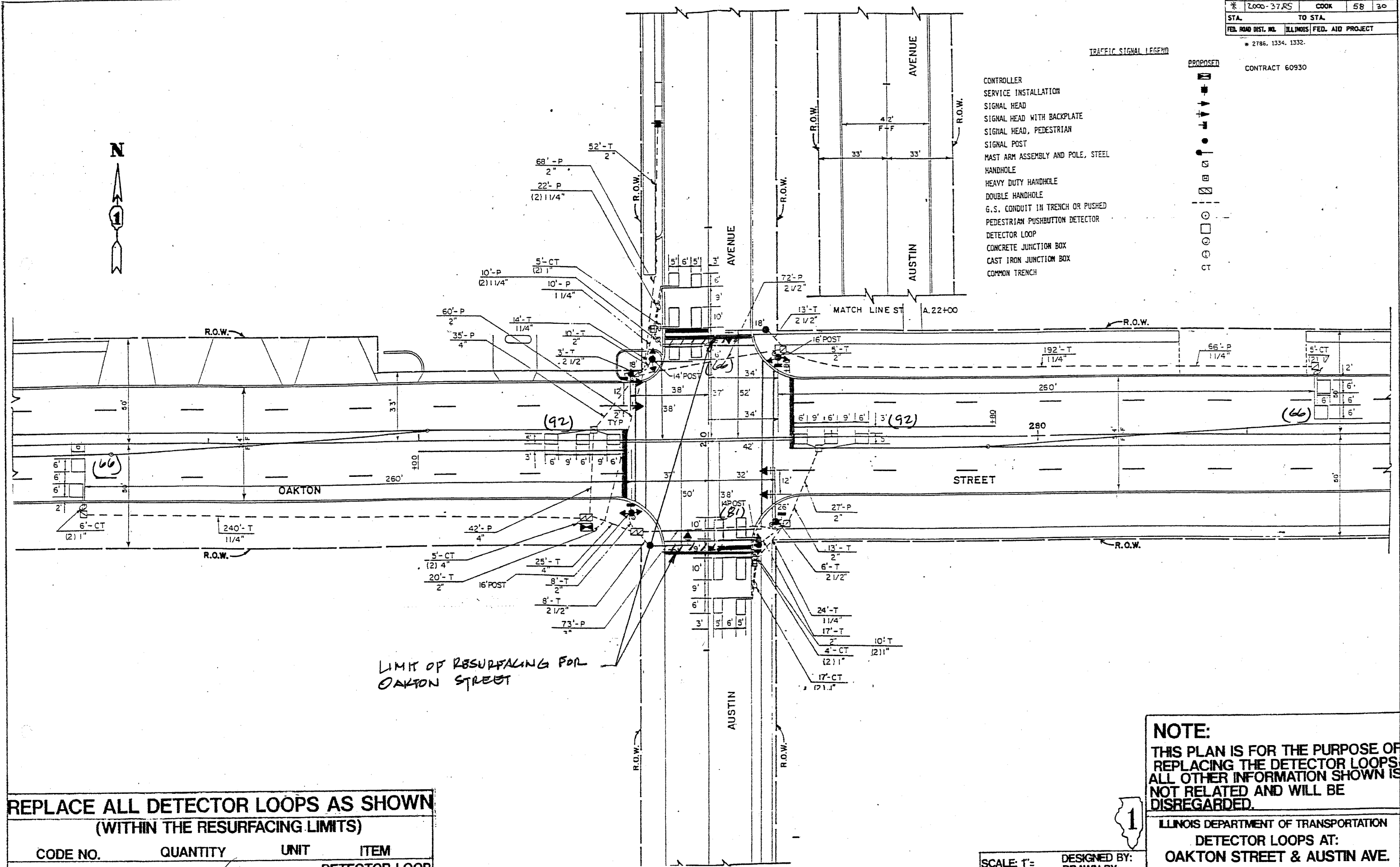
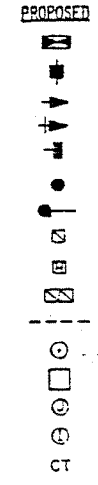
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOPS AT:
OAKTON STREET & LEHIGH AVENUE
Oct. 2005

SCALE: 1" =
DATE
DESIGNED BY:
DRAWN BY:
CHECKED BY:



TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- G.S. CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CONCRETE JUNCTION BOX
- CAST IRON JUNCTION BOX
- COMMON TRENCH



LIMIT OF RESURFACING FOR OAKTON STREET

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	463	FOOT	DETECTOR LOOP REPLACEMENT

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



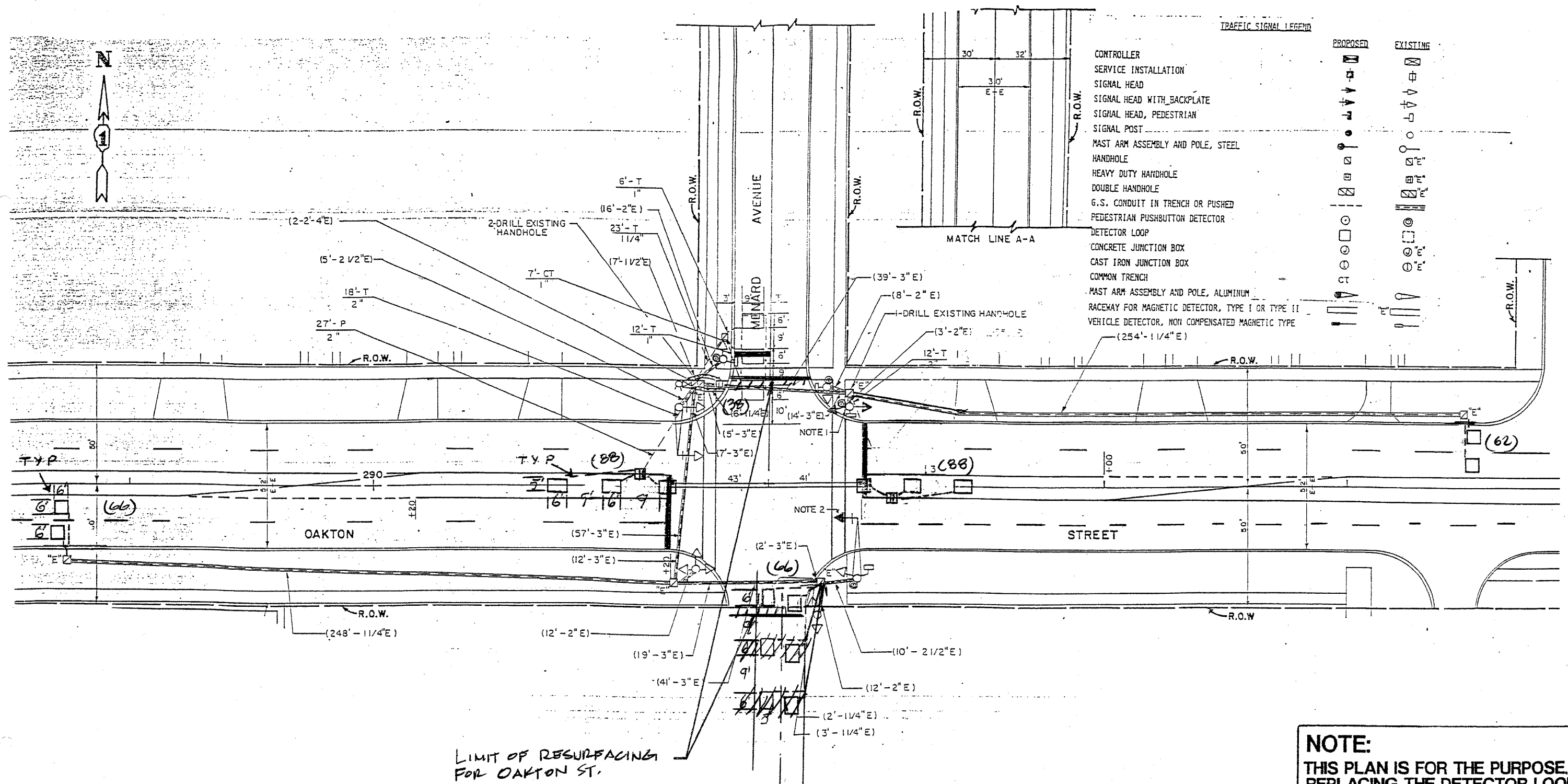
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOPS AT:
OAKTON STREET & AUSTIN AVE.

SCALE: 1" =
DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:

Oct. 2005

CONTRACT 60930



LIMIT OF RESURFACING FOR OAKTON ST.

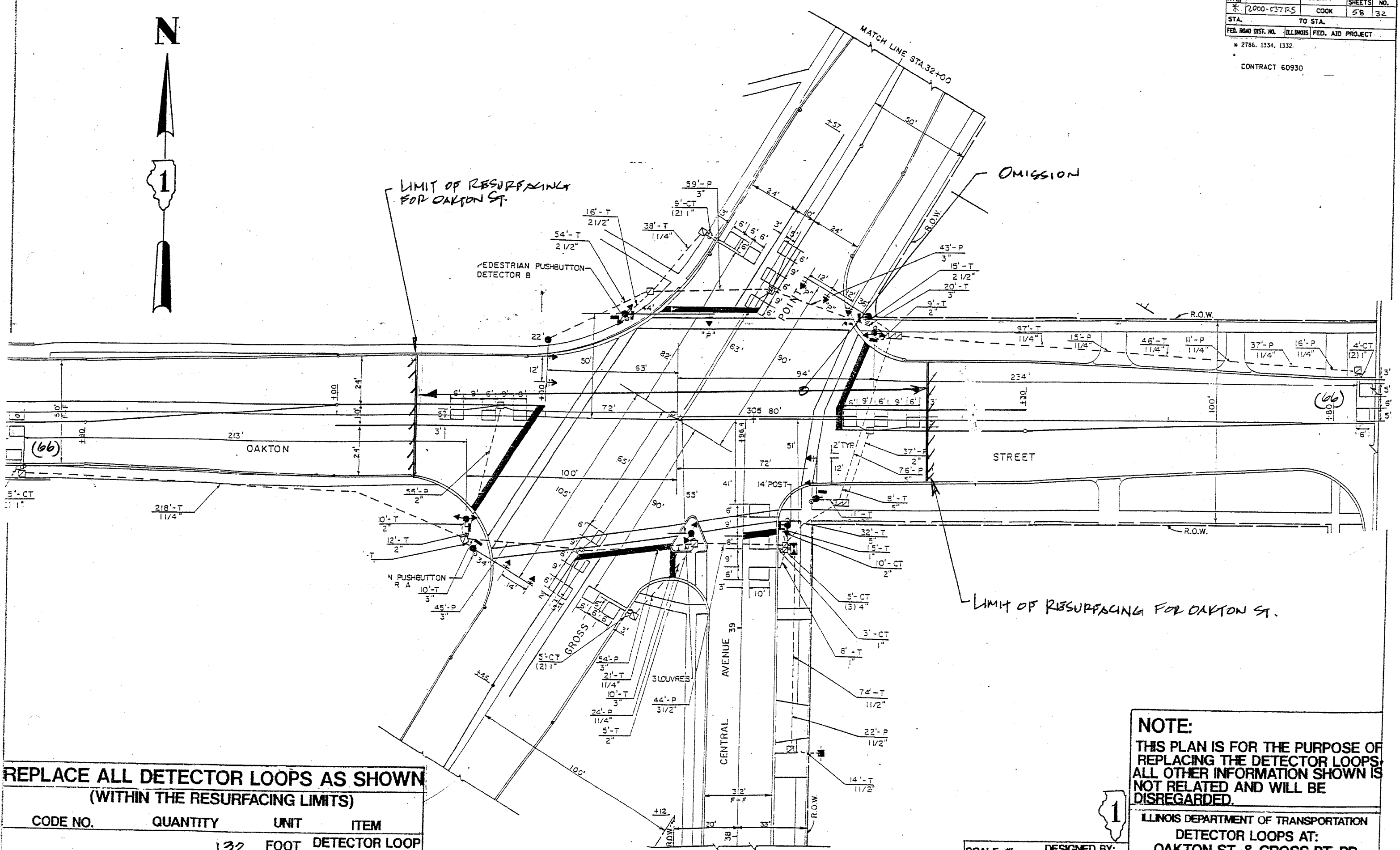
NOTE:
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)			
CODE NO.	QUANTITY	UNIT	ITEM
	408	FOOT	DETECTOR LOOP REPLACEMENT

SCALE 1" = DATE
DESIGNED BY: DRAWN BY: CHECKED BY:



ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOPS AT:
OAKTON STREET & MENARD AVE.
Oct. 2005



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

CODE NO.	QUANTITY	UNIT	ITEM
	132	FOOT	DETECTOR LOOP REPLACEMENT

SCALE: 1" =
DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:

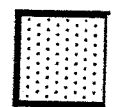
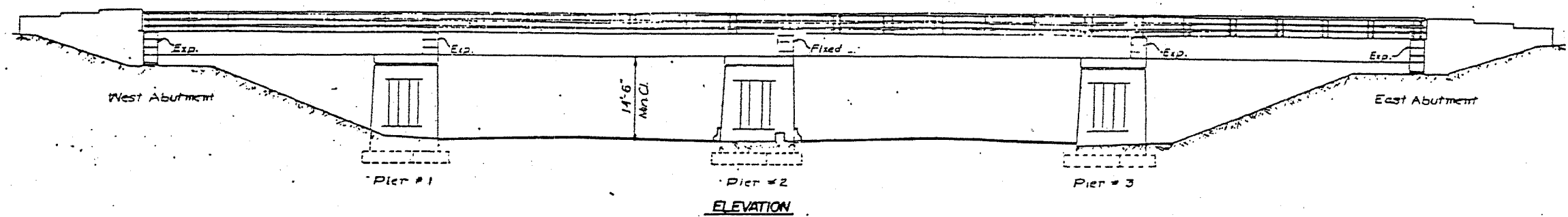
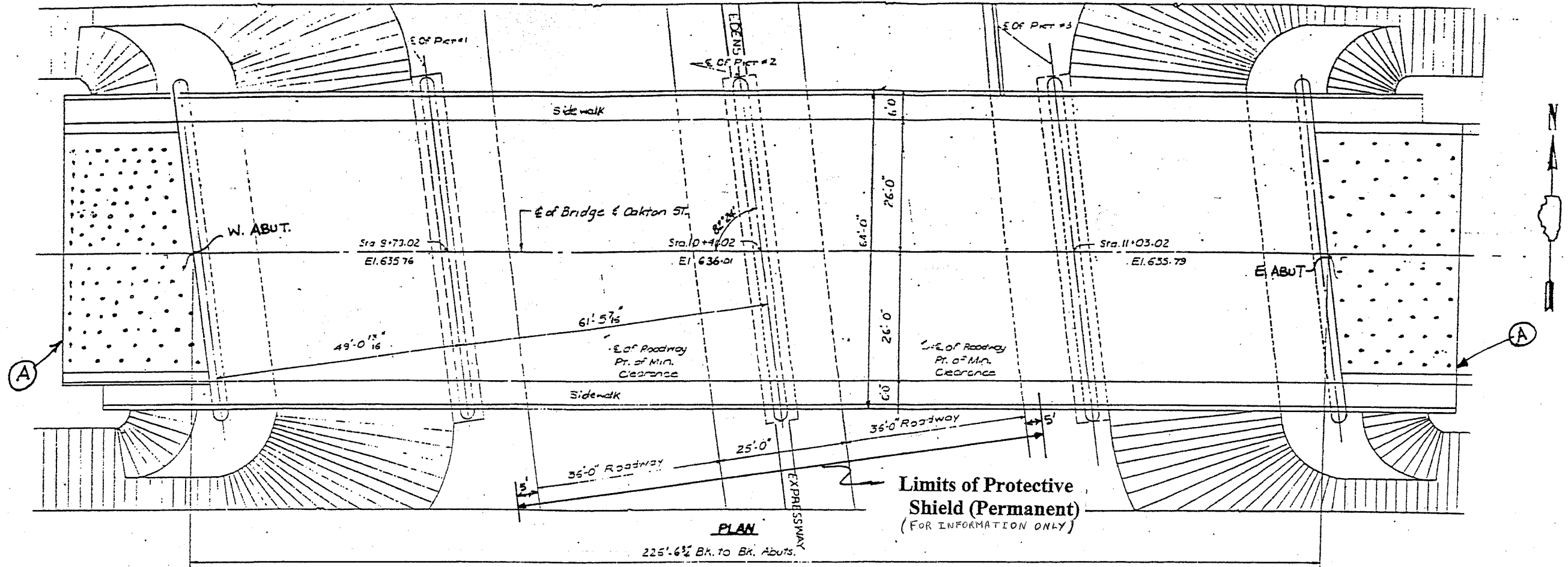
NOTE:
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOPS AT:
**OAKTON ST. & GROSS PT. RD.
& CENTRAL AVENUE**

CONTRACT 60930

F.A.U. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03TRS	COOK	68	35
STA.	TO STA.		68	35
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* 2786, 1334, 1335				

TOTAL SHEETS	SHEET NUMBER
58	35



- Remove and Replace bituminous on Approach Pavements.



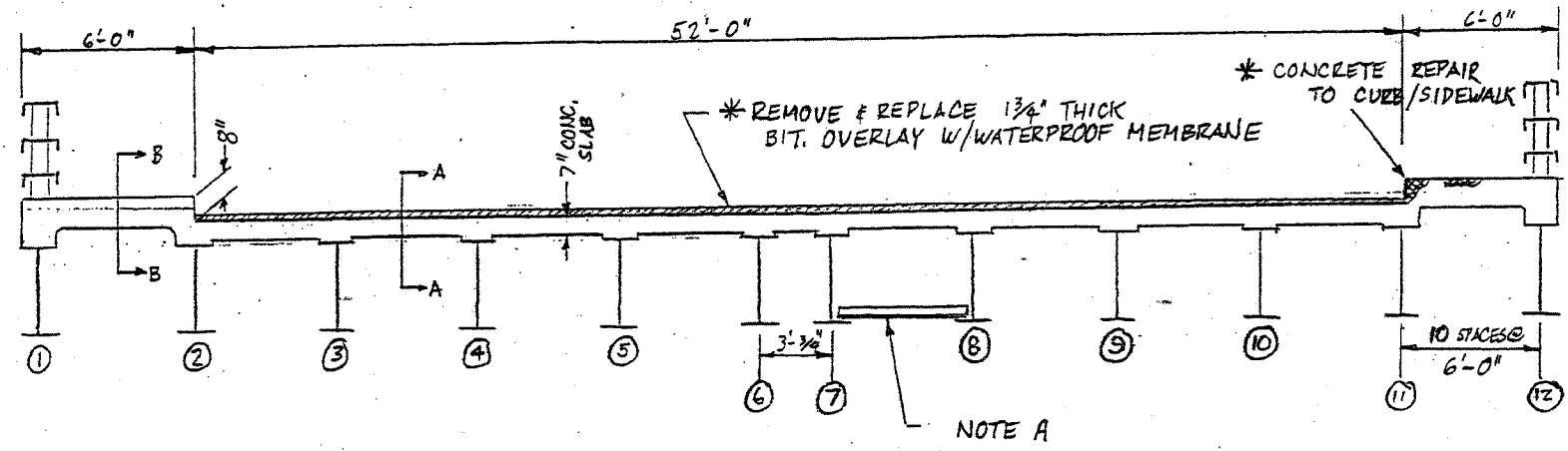
- Reseal Pavement Relief Joint. Cost Included with Bituminous Surface Course Removal.

CONTRACT 60930

F.A.U. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-037RS	COOK	28	24
STA. TO STA.		28 34		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

* 2786, 1334, 1332

TOTAL SHEETS	58
SHEET NUMBER	36



CROSS SECTION

NOTE A:

THERE IS EXISTING PERMANENT PROTECTIVE SHIELDING BETWEEN BEAMS 1-12, WHICH EXTENDS OVER TRAFFIC LANES AND HALF OF THE SHOULDER, THAT SHALL REMAIN IN PLACE. THE CONTRACTOR SHALL PROVIDE ADDITIONAL TEMPORARY PROTECTION, IF NECESSARY, ACCORDING TO ART. 107.09 OF THE STANDARD SPECIFICATIONS. ALL DEBRIS SHALL BE REMOVED FROM THE PERMANENT PROTECTIVE SHIELDING BY THE COMPLETION OF THE CONTRACT.

GENERAL NOTES

1. DO NOT SCALE PLANS FOR DIMENSIONS.
2. PATCHING LOCATIONS ARE ESTIMATED ONLY, FINAL LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 847/705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

Bill Of Materials	Unit	Quantity
Deck Slab Repair (Full Depth Type I)	SY	26
Deck Slab Repair (Full Depth Type II)	SY	175
Deck Slab Repair (Partial)	SY	39
STRUCTURAL REPAIR OF CONCRETE (DEPTH ≤ 5")	SF	246
Polymerized Bituminous Concrete Surface Course, Mix F, Super Pave, N90*	Ton	145
Bituminous Concrete Removal (Deck)	SY	1,525
Silicone Joint Sealer, 2 3/4"	LF	130
Waterproofing Membrane System	SY	1,294
STRUCTURAL STEEL REPAIR	LBS	865

* - Includes quantities for the Bridge Approach Pavement.

All new structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M 300, Type 1. Cost included with Structural Steel Repair.

The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Oakton Street over I-94
 SN: 016-0827
 General Notes & Cross Section
 Bill of Material

CONTRACT 60930

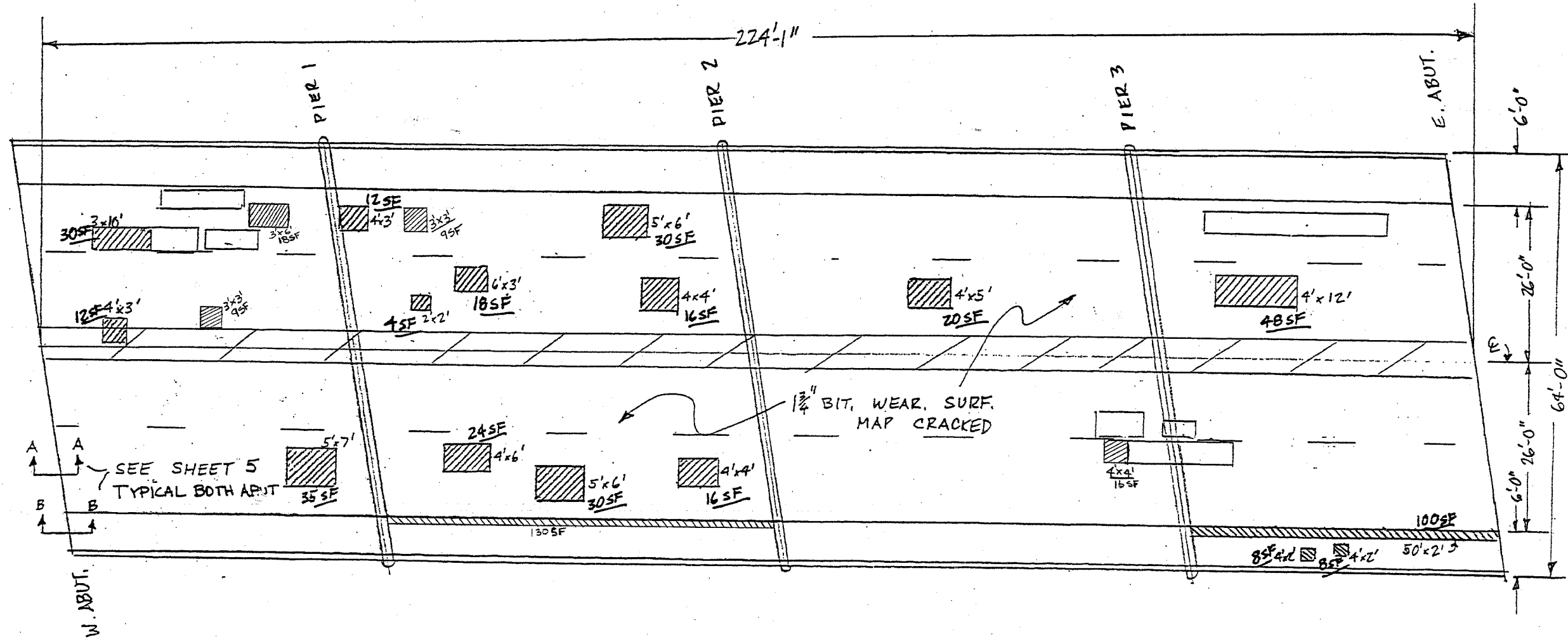
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03TRS	COOK		
STA.	TO STA.		#	OF
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TOTAL SHEETS




SHEET NUMBER

58

37



TOP OF DECK SURVEY

-  - Existing Partial Depth Patch
-  - Deck Slab Repair Partial Depth
-  - Formed Concrete Repair Sidewalk & Curb

FIELD NOTES: J. TIPPETT 9/14/05
 DRAWN BY: J. TIPPETT 9/14/05

Sheet 3 of 5

Oakton Street over I-94
 SN: 016-0827
 Top Deck Survey

CONTRACT 60930

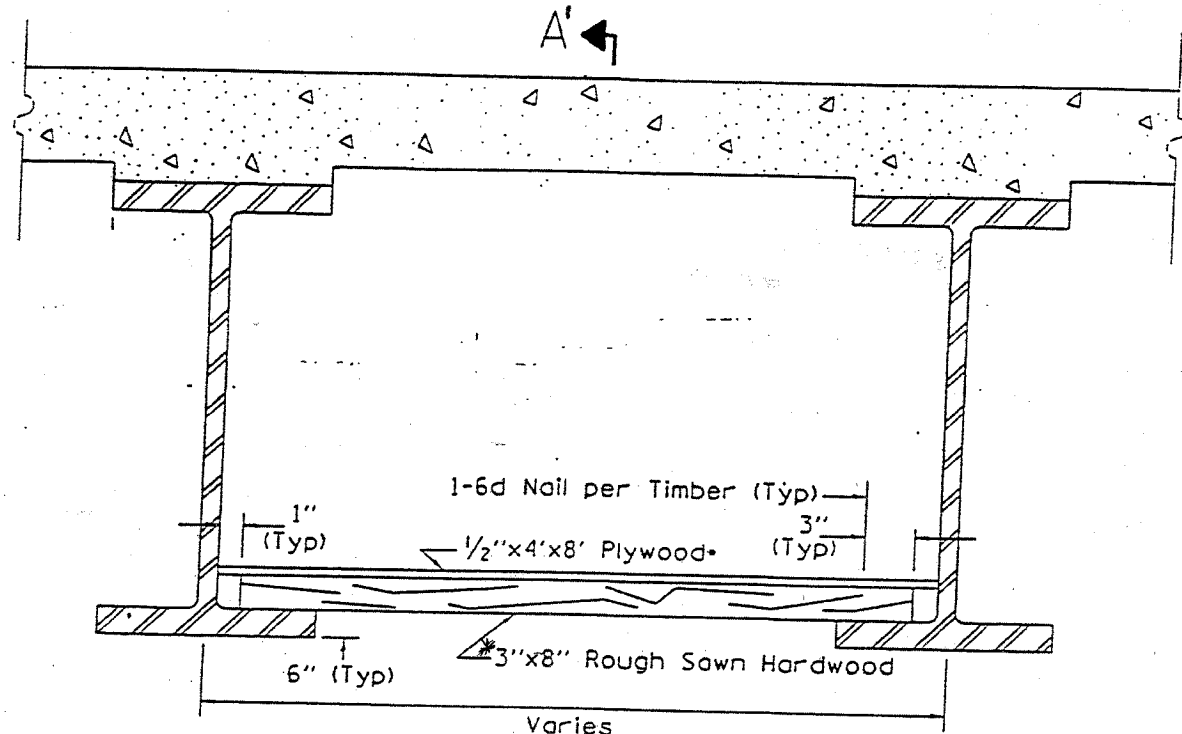
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03TRS	COOK	58	39
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* 2786, 1334, 1332.				

TOTAL SHEETS

SHEET NUMBER

58

39



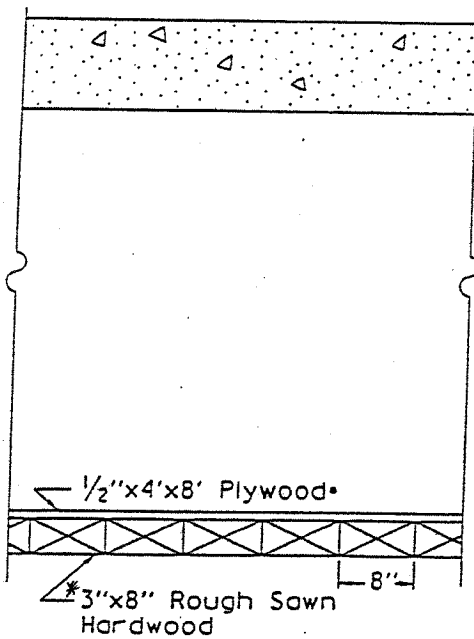
A' ←

• 1/2" 3 Ply CDX with Exterior Grade Glue

* WITH MIN. ALLOWABLE STRESSES:

$$F_b = 950 \text{ PSI}$$

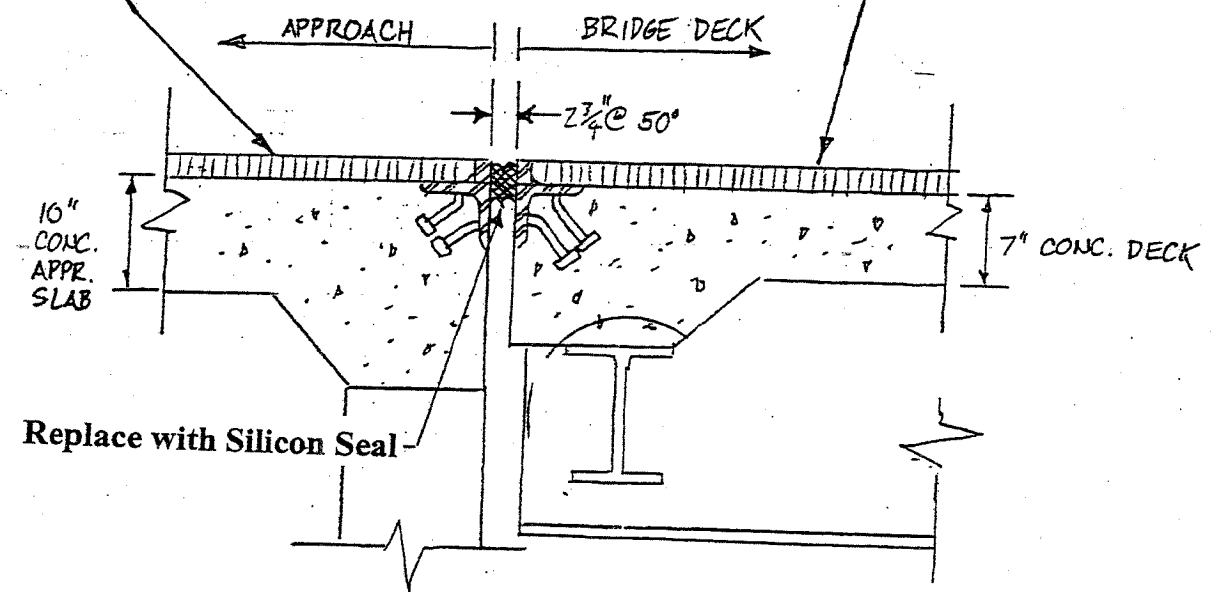
$$F_v = 45 \text{ PSI}$$



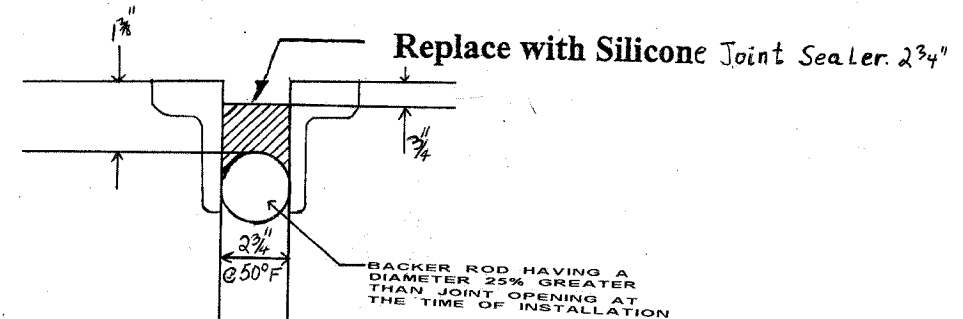
SECTION A'-A'

R&R Bituminous Surface on Approach 2-1/4 inch

RR Bituminous Surface on Bridge Deck w/Waterproofing - 1-3/4 inch



Section A-A



Section B-B

EXISTING **PROTECTIVE SHIELD (PERMANENT) DETAILS**
FOR INFORMATION ONLY

Sheet 5 of 5

Oakton Street over I-94
SN: 016-0827
Details

CONTRACT 60930

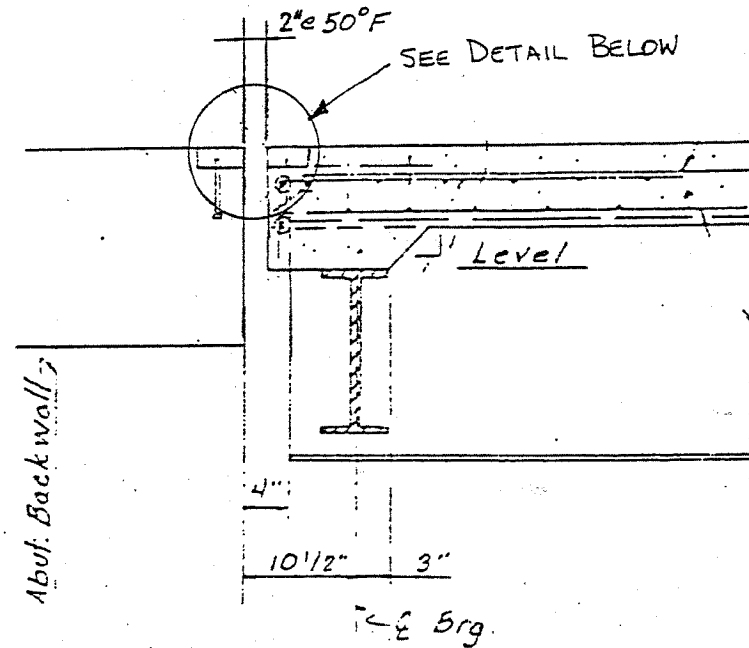
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-03785	COOK	58	41
STA. TO STA. 58 41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
* 2786, 1334, 1332.				

TOTAL SHEETS

SHEET NUMBER

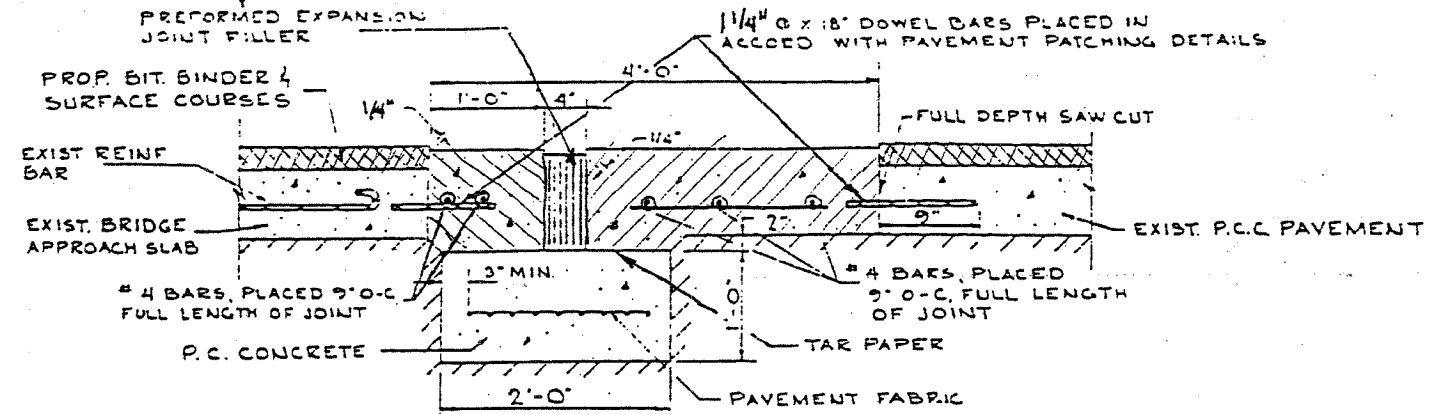
58

41

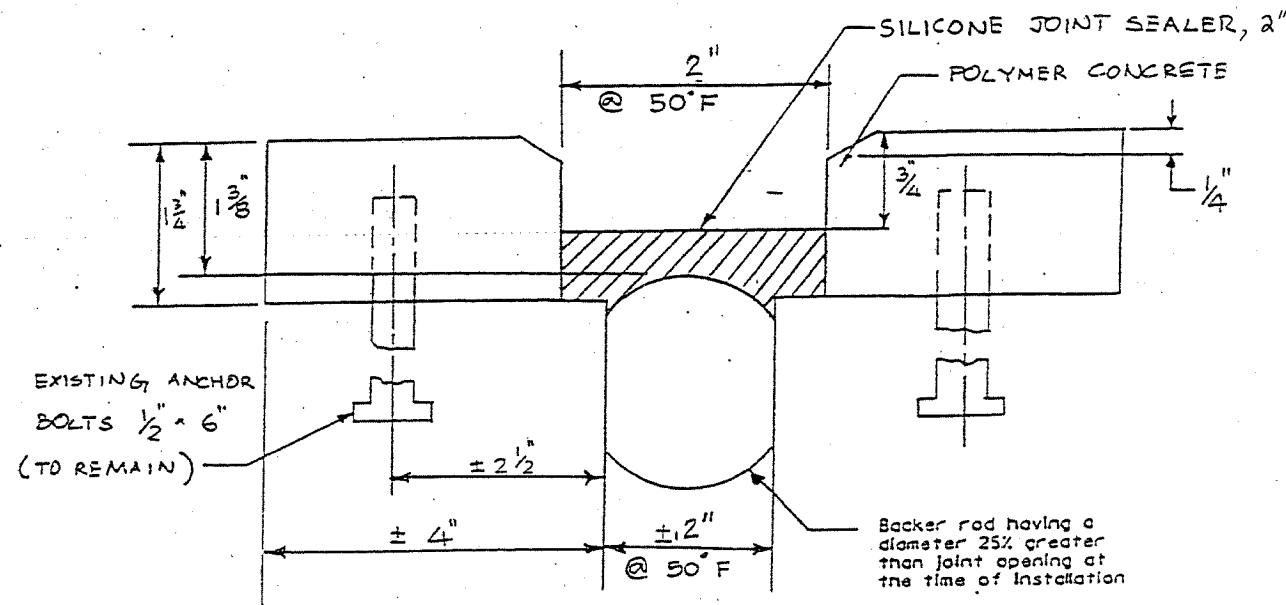


SECTION A-A

Cost Included with Pavement Relief Joint, Rem. and Replace.



B-B
PAVEMENT RELIEF JOINT REPAIR



AT EXISTING NEOPRENE JOINT LOCATION

BILL OF MATERIALS

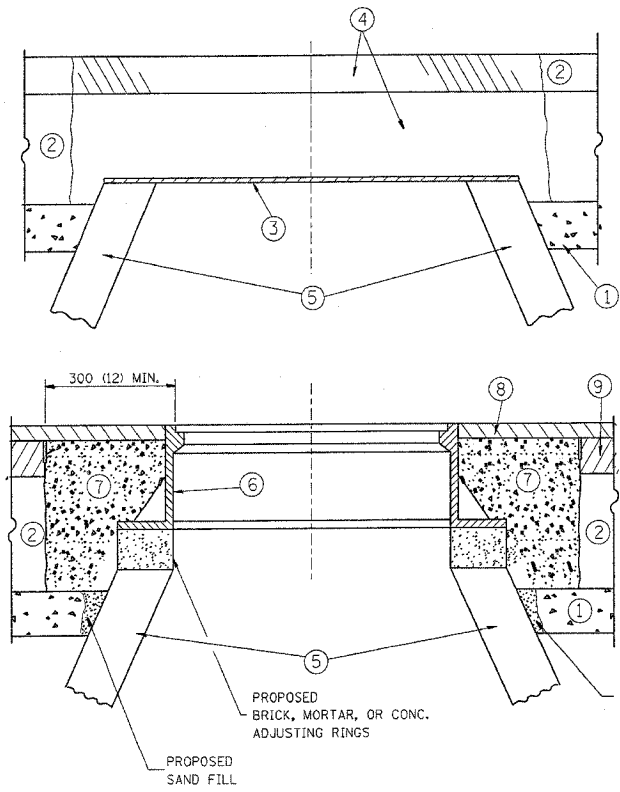
ITEM	UNIT	QUANTITY
Bituminous Surface Removal (3")	SY. YD.	507
Pavement Relief Joint Remove and Replace	SQ. FT.	107
Poly. Bituminous Concrete Surface, Superpave Mix "F", N90 (1 3/4")	TON	50
Poly. Leveling Binder (Machine Method), Superpave, IL-4.75, N50 (1 1/4")	TON	35
SILICONE JOINT SEALER, 2"	L. FOOT	98
Polymer Concrete	CU. FT.	9.5

Removal of Existing Neoprene Blocks and Glands is included with Polymer Concrete.

Sheet 2 of 2

Oakton Street over N. Br. Chicago River
SN: 016-0555
Details

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-037 R5	COOK		58	42
STA.	TO STA.			
FED. ROAD DIST. NO. -	BUILDINGS	FED. AID PROJECT		
* 2786, 1334, 1332				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE BITUMINOUS MATERIAL 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 S1 CONCRETE, OR BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 900 (36) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS S1 CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
- ⑧ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
- ⑨ PROPOSED BITUMINOUS CONCRETE BINDER COURSE

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.

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: FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH

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

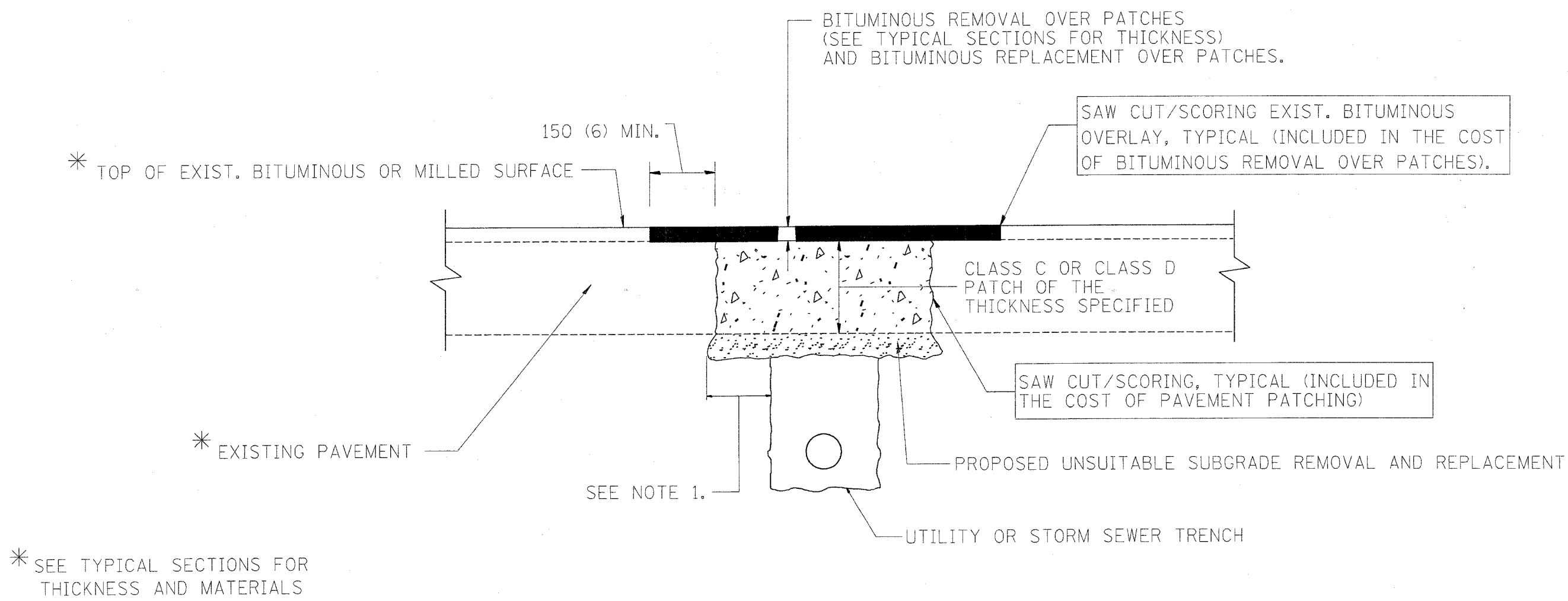
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE
DATE: 10/26/2005
DRAWN BY
CHECKED BY
BD600-03 (BD-8)
REVISION DATE: 05/17/04



NOTES:

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

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98

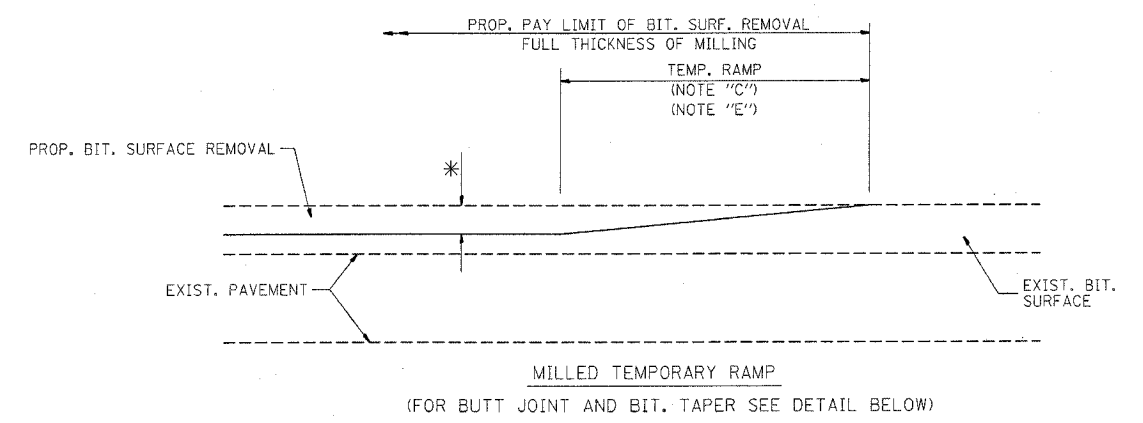
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT

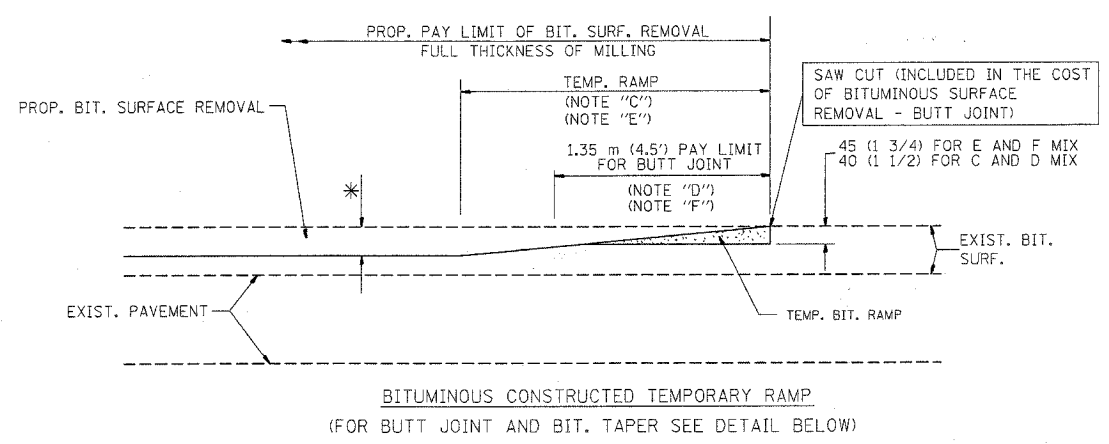
SCALE: VERT. DATE 10/26/2005

DRAWN BY CHECKED BY

F.A.M. RFL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2000-031RS	COOK	58	45
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*2786, 1334, 1332				

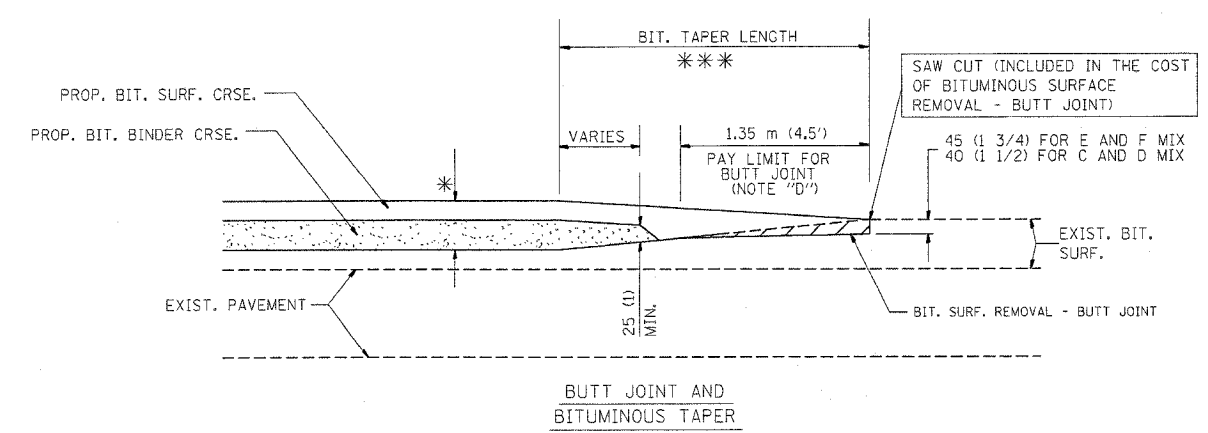


OPTION 1

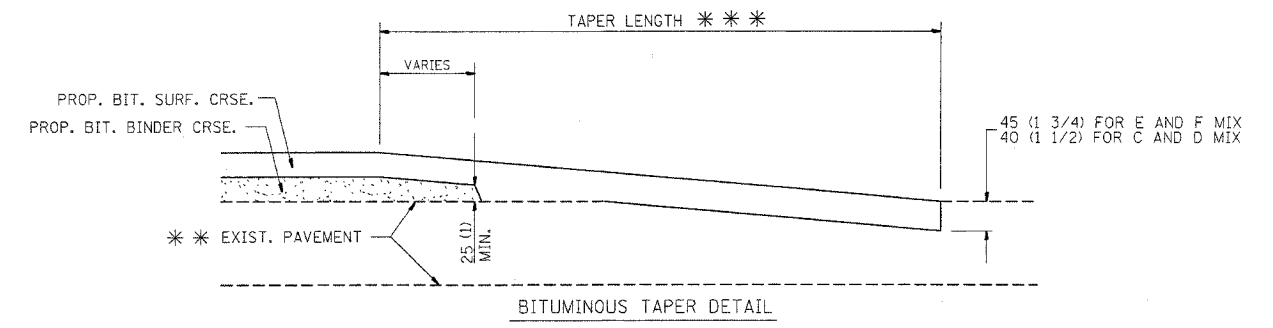
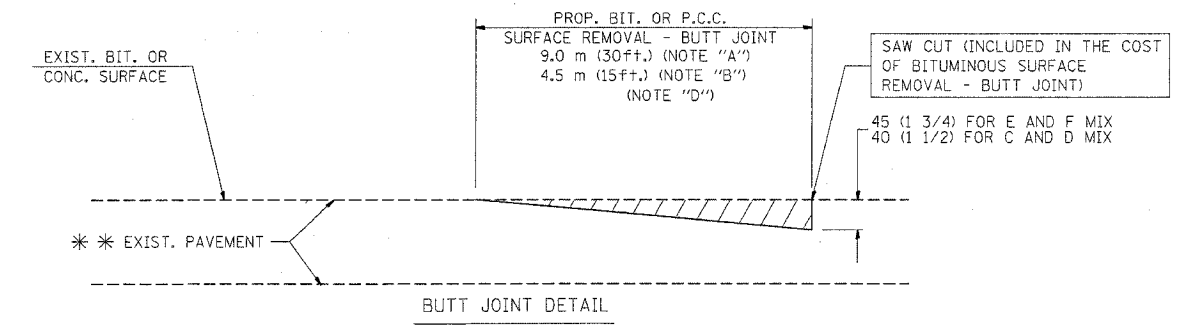


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR RESURFACING ONLY

** PC CONCRETE, BITUMINOUS OR BITUMINOUS 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 BITUMINOUS SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".
- G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- ** 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A") 3.0 m (10') PER 25 (1) RESURFACING (NOTE "B")

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND BITUMINOUS TAPER DETAILS

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01

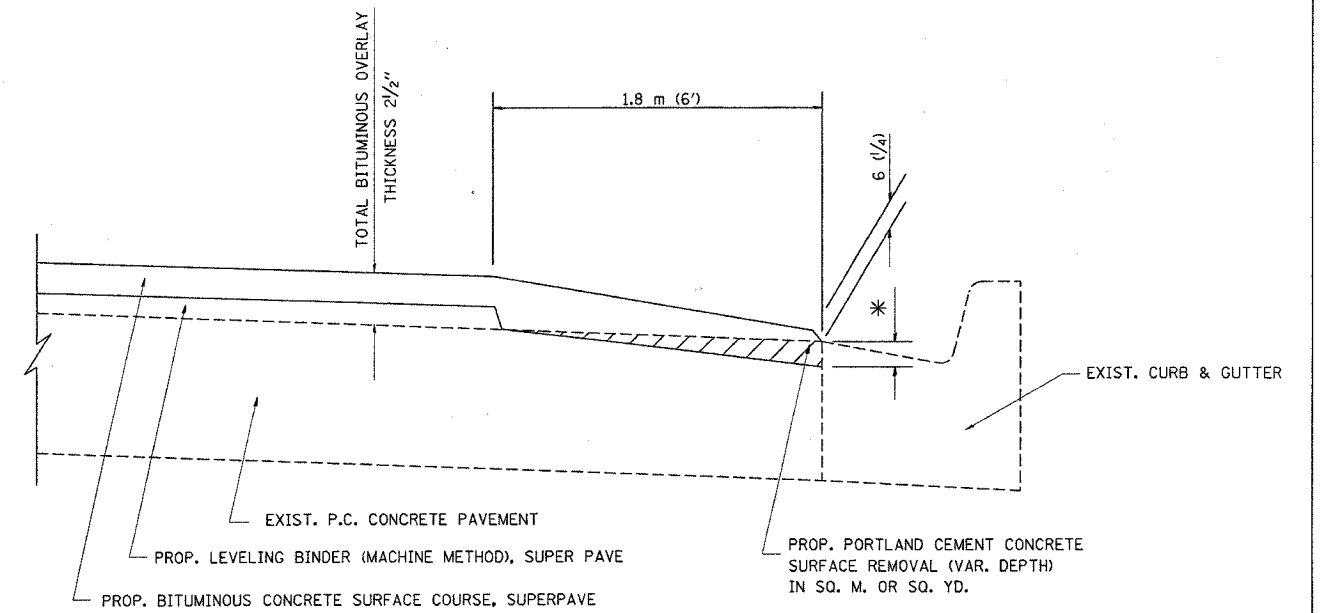
SCALE: NONE
DATE PLOTTED: 10/26/2005

DRAWN BY
CHECKED BY
BD400-05 (VI-BD32)

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

60930			
F.A.D. RYE.	SECTION	COUNTY	TOTAL SHEETS
* 2000-03146	COOK	58	46
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT
*2786, 1334, 1332			



BITUMINOUS TAPER AT
EDGE OF P.C.C PAVEMENT

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

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

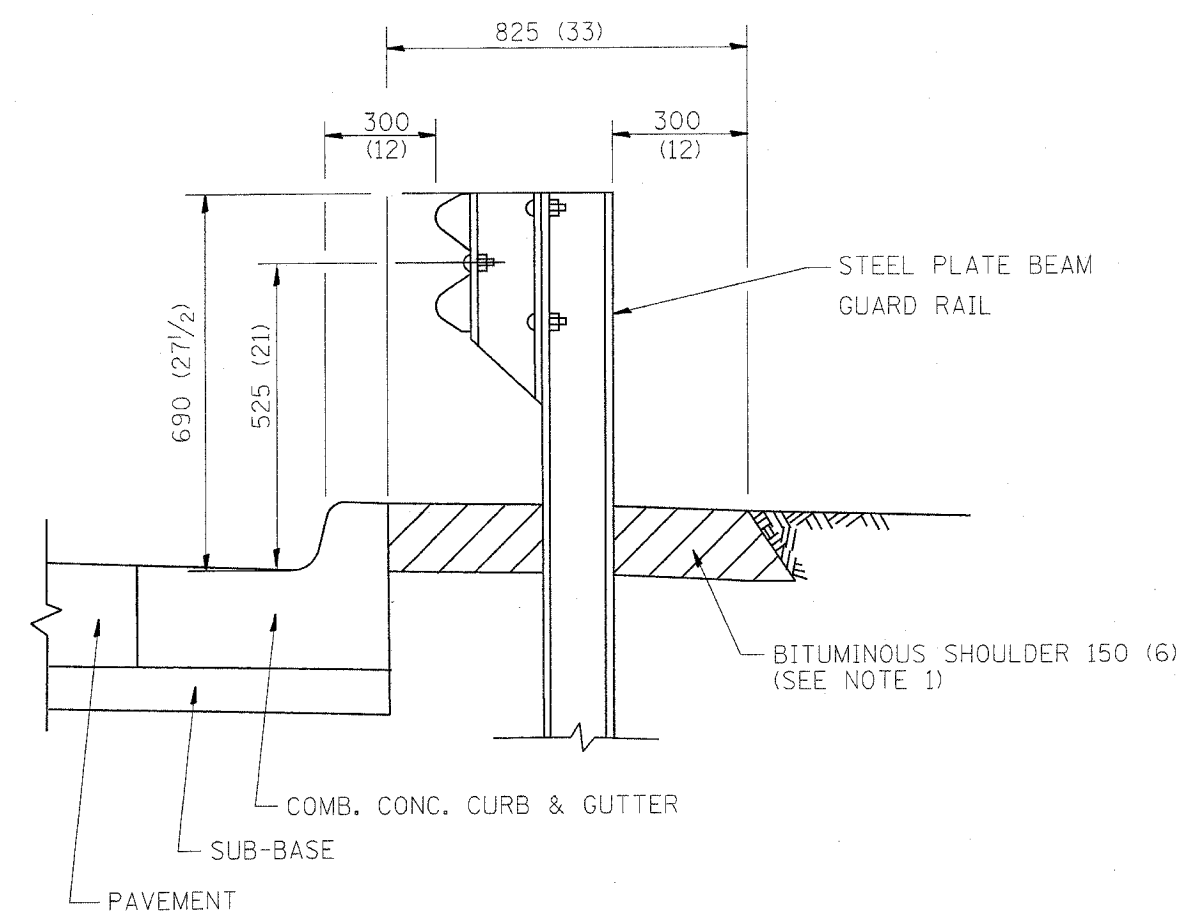
ILLINOIS DEPARTMENT OF TRANSPORTATION
BITUMINOUS TAPER AT
EDGE OF P.C.C. PAVEMENT

REVISIONS	
NAME	DATE
R. SHAH	09/10/94
R. SHAH	10/25/94
A. ABBAS	05/05/99
E. GOMEZ	12/21/00

SCALE: NONE
DATE 10/26/2005
DRAWN BY Jjs
CHECKED BY A. ABBAS
BD400-06 (B033)

REVISION DATE: 12/21/00

F. A. M. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-037 Rs	Cook		58	47
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 2786, 1334, 1332				

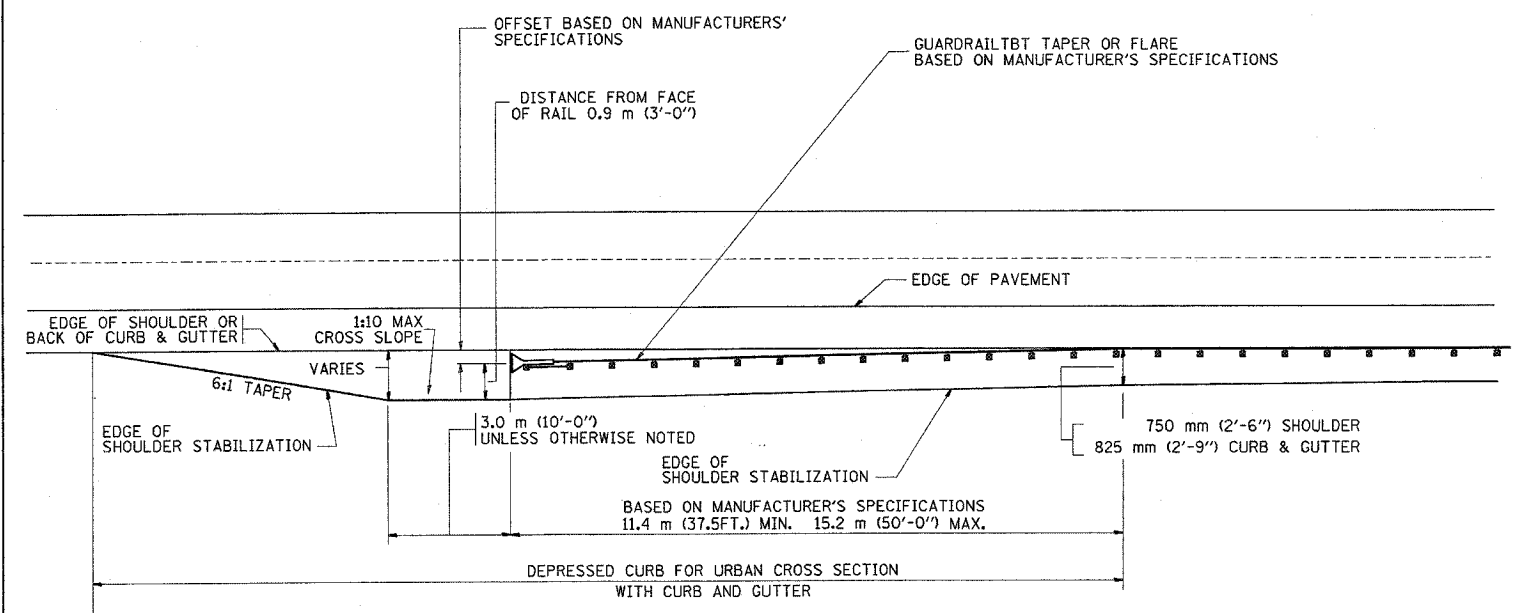


- NOTES: 1. THE BITUMINOUS SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: BITUMINOUS SHOULDER 150 (6) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER m² (sq. yd.) AS "BITUMINOUS SHOULDER 150 (6)."

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER
 [FOR ROADWAY SPEED 60 kmh (35 MPH) TO 70 kmh (45 MPH)]



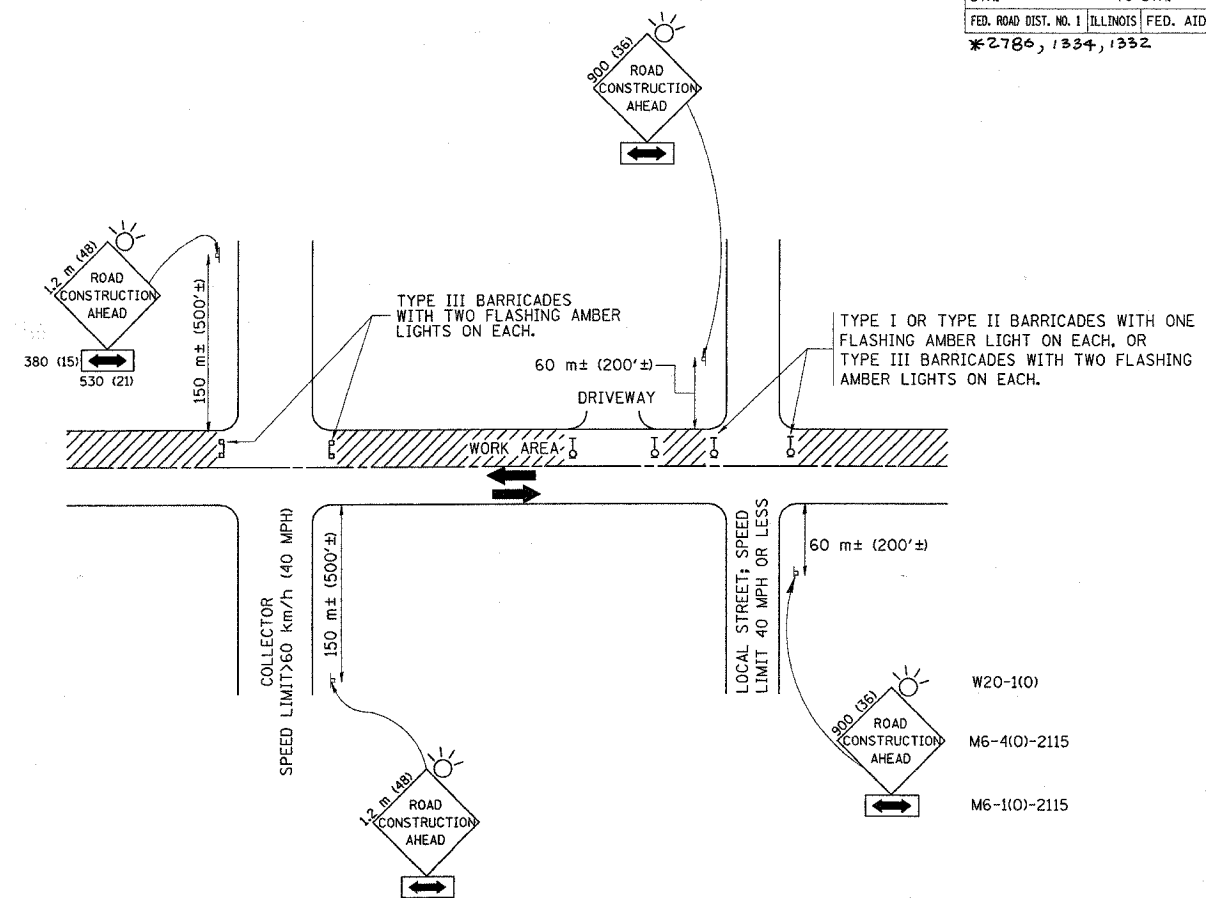
STABILIZATION AT TBT TY. 1 SPL.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETAILS FOR
 STEEL PLATE BEAM GUARD RAIL
 ADJACENT TO CURB AND GUTTER
 STABILIZATION AT TBT TY 1 SPL.

REVISIONS	
NAME	DATE
M. DE YONG	09-22-90
M. DE YONG	07-14-92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	02/23/95
A. ABBAS	03/21/97
E. GOMEZ	08/28/00

SCALE: NONE
 DATE 10/26/2005
 DRAWN BY jls
 CHECKED BY



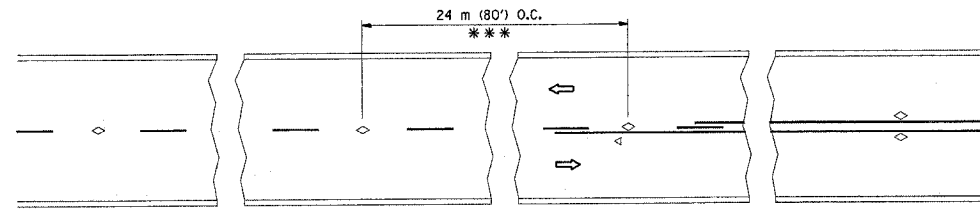
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

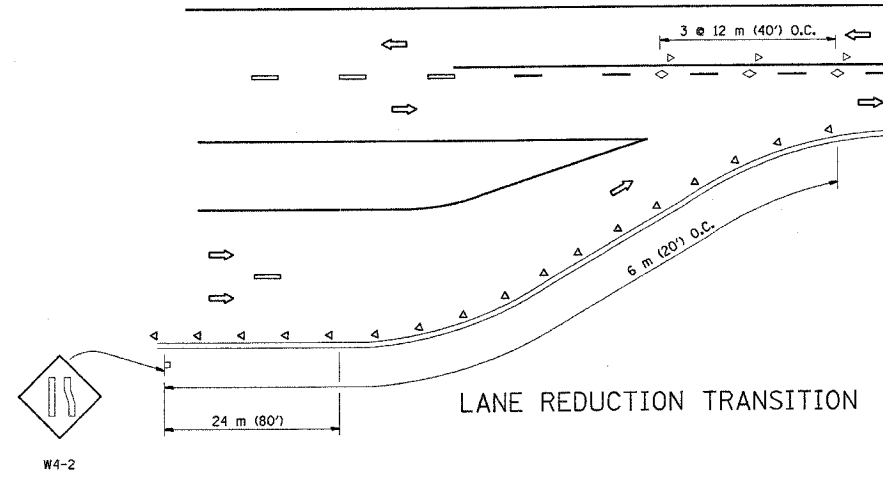
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
NAME	DATE	
LHA	6/89	SCALE: VERT. HORIZ. DATE 10/26/2005
T. RAMMACHER	09/08/94	
J. OBERLE	10/18/95	
A. HOUSEH	03/06/96	
A. HOUSEH	10/15/96	
T. RAMMACHER	01/06/00	DRAWN BY CHECKED BY TC-10
		REVISION DATE: 01/06/00

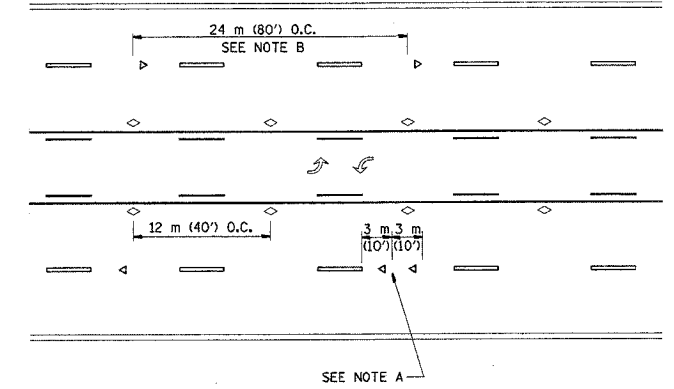
F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
# 2000-037 R3		Cook	58	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*2786, 1334, 1332				



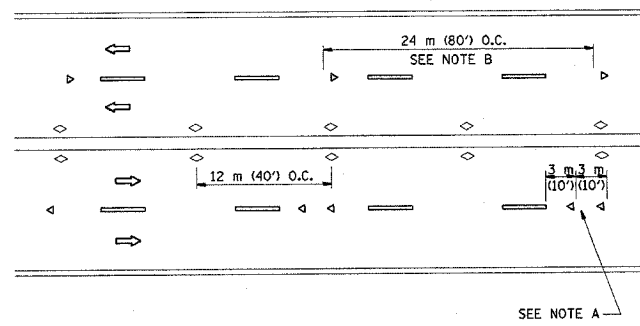
TWO-LANE/TWO-WAY



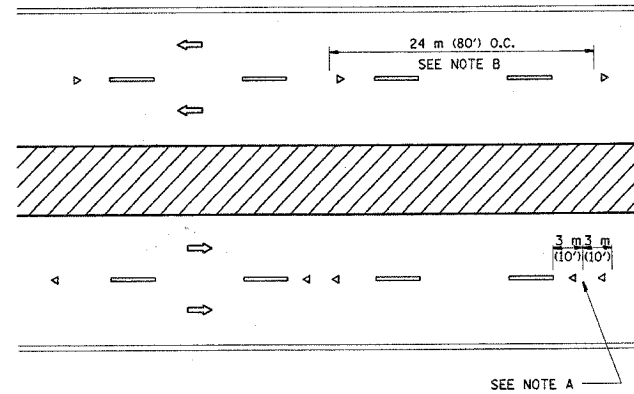
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

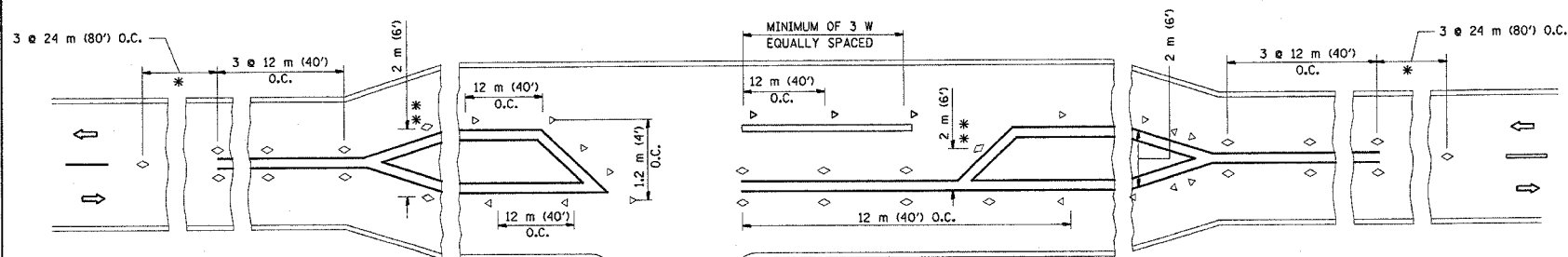
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE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

SYMBOLS

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

LANE MARKER NOTES

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



LEFT TURN

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

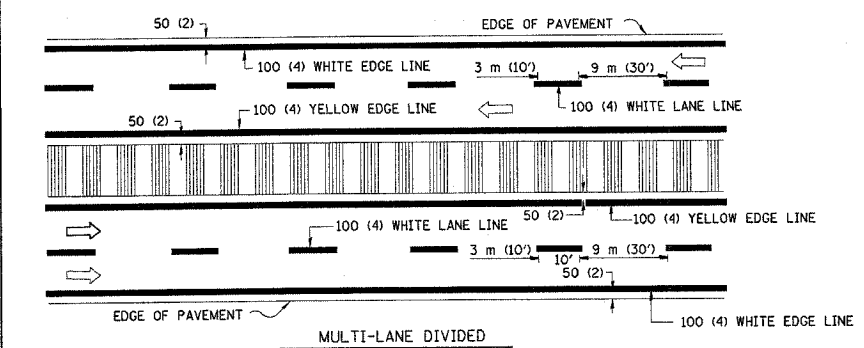
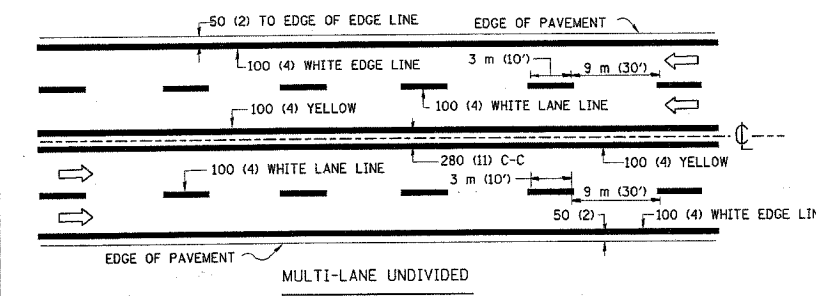
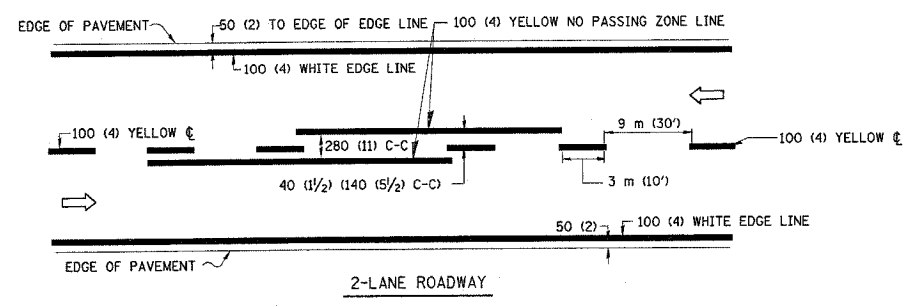
All dimensions are in millimeters (inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS
(SNOW-PLOW RESISTANT)

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

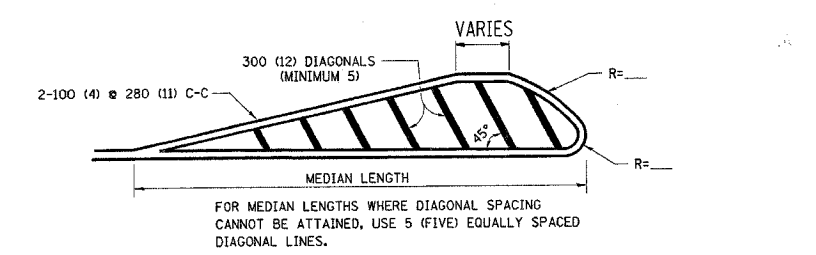
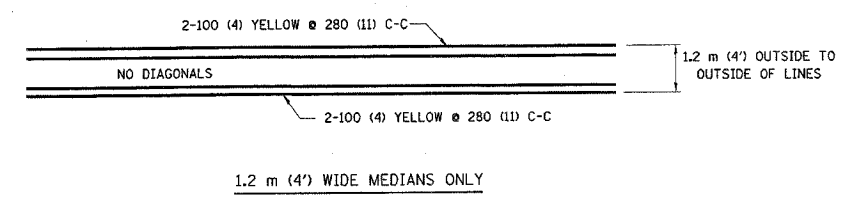
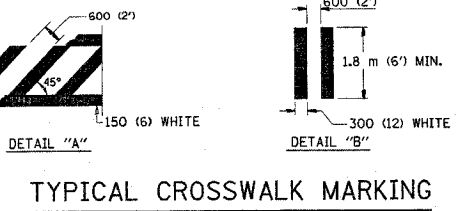
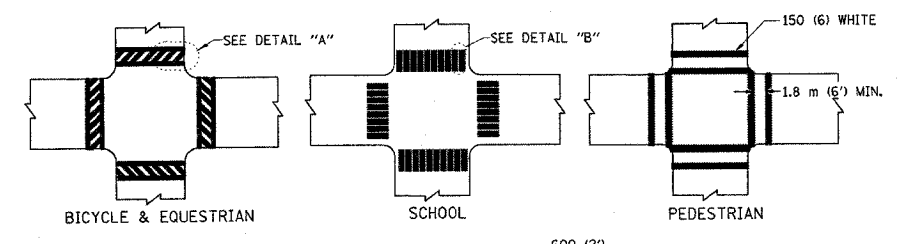
SCALE: NONE
DATE: 10/26/2005
DRAWN BY CADD
CHECKED BY TC-11
REVISION DATE: 01/06/00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2000-037 R5	Cook	58	51
STA.	TO STA.	FED. ROAD DIST. NO.	
		ILLINOIS	
FED. AID PROJECT			
* 2786, 1334, 1332			



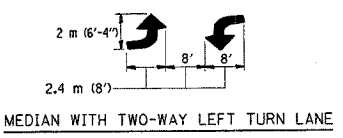
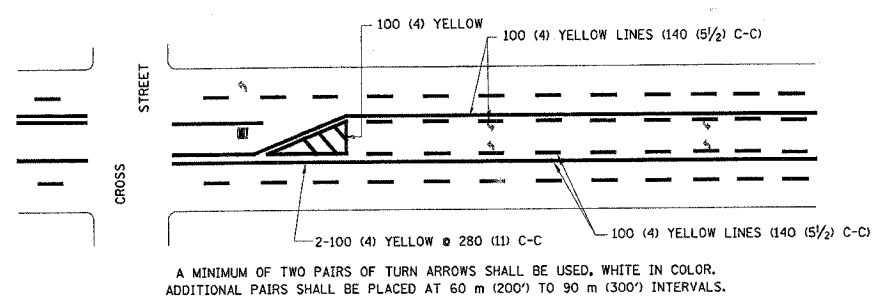
NOTE: MEDIANS WITH BARRIER CURBS DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

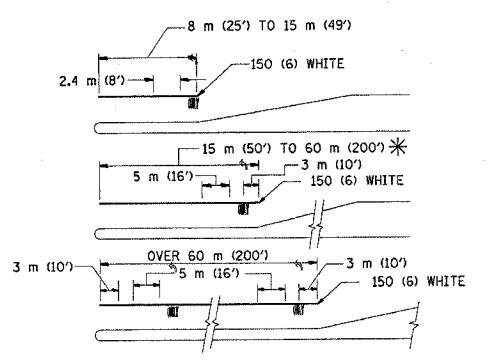


DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
 45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

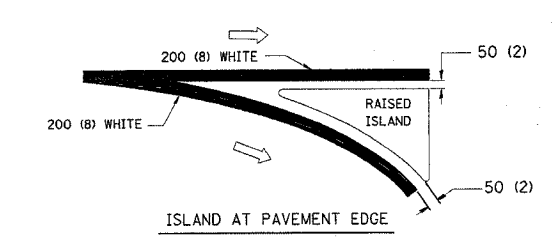
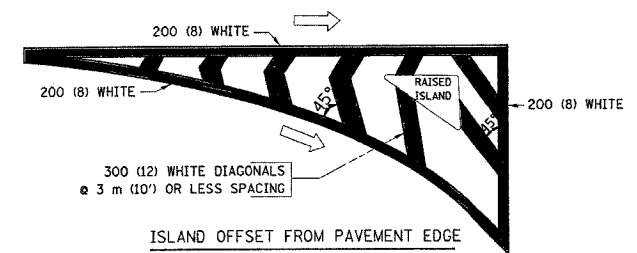


TYPICAL PAINTED MEDIAN MARKING



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	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINES; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) 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 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT; OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

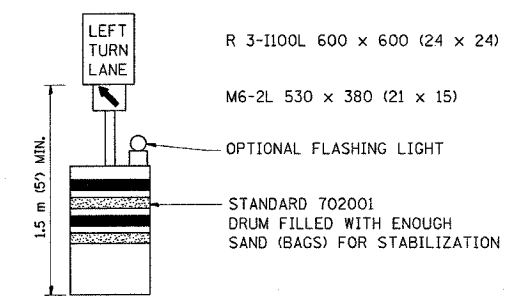
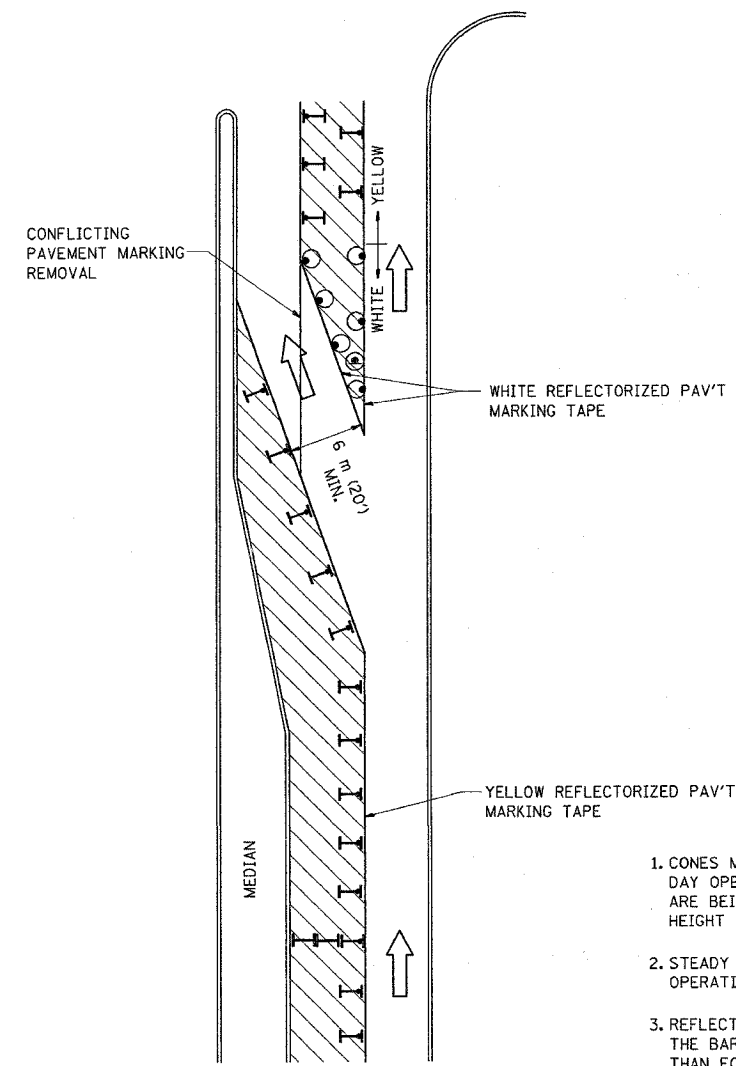
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE TYPICAL PAVEMENT MARKINGS
 SCALE: NONE
 DATE 10/26/2005
 DRAWN BY CADD
 CHECKED BY
 TC-13
 REVISION DATE: 01/06/00

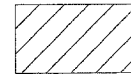





F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-037RS	COOK		58	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 2786, 1334, 133Z				



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 1.5 m (5').
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" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

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

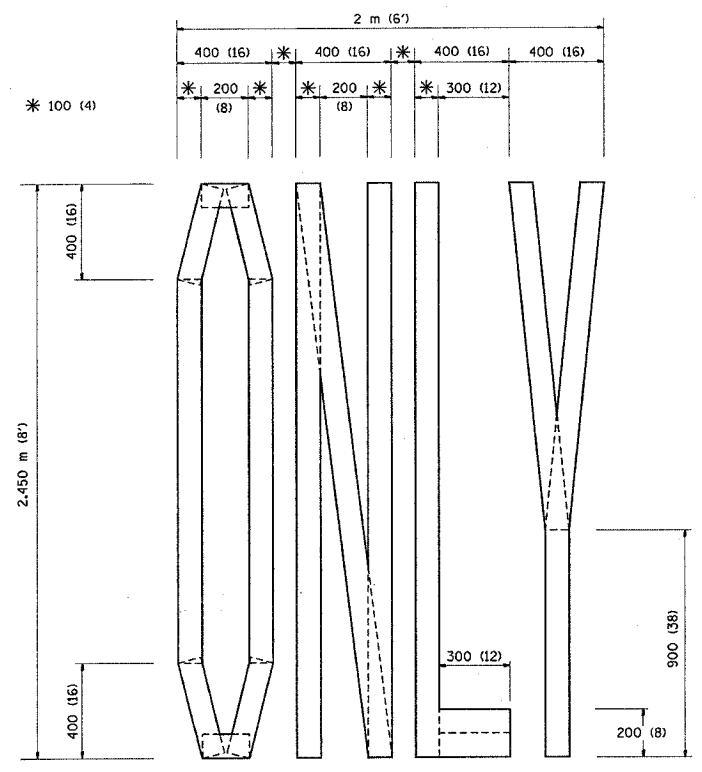
All dimensions are in millimeters (Inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

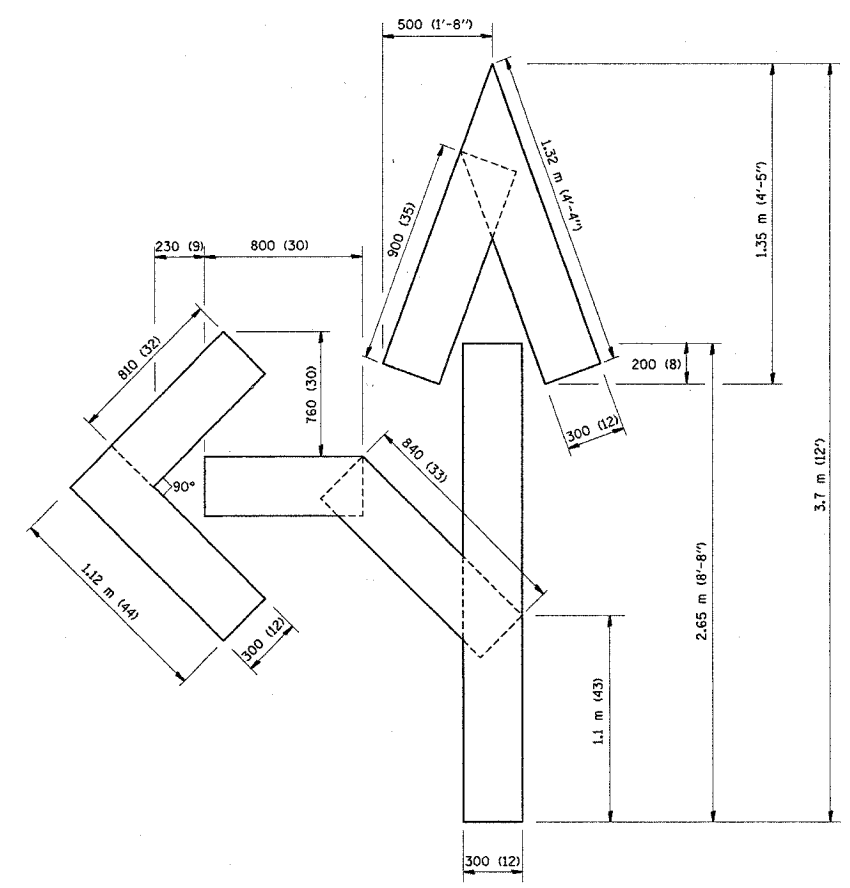
REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

SCALE: NONE
 DATE: 10/26/2005
 DRAWN BY
 CHECKED BY LHA
 TC-14

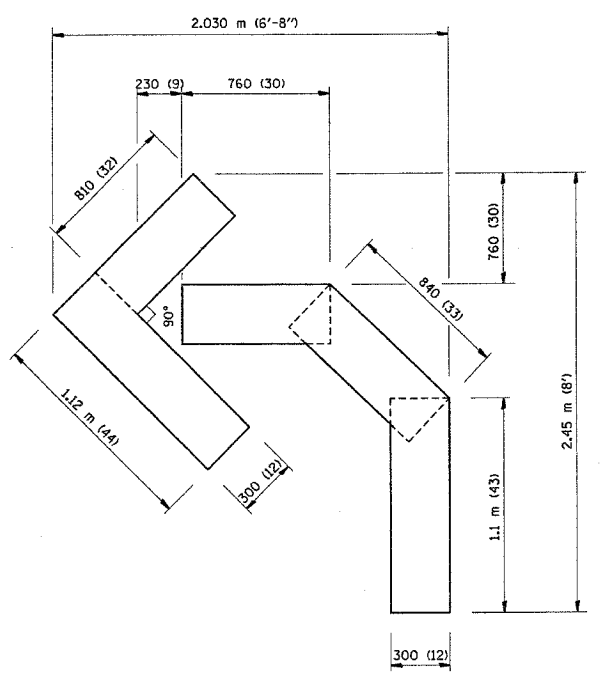
F.A.M. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
* 2000-03785	Cook	58	53	
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* 2786, 1334, 1332				



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



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



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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

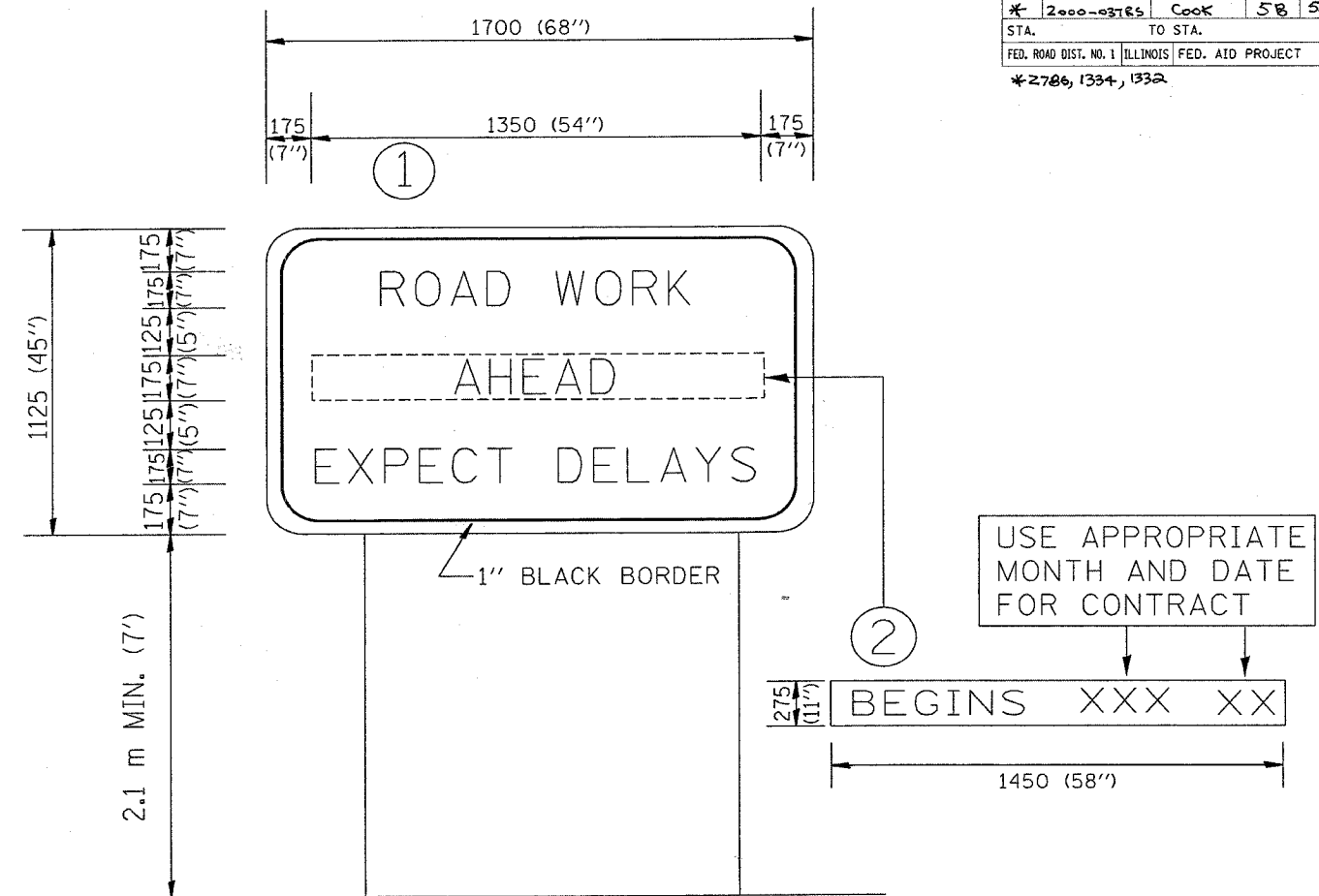
PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

SCALE: NONE
 DATE 10/26/2005

DRAWN BY CADD
 CHECKED BY
 TC-16

REVISION DATE: 08/28/00



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 2.3 SQ. M. (25.70 SQ. FT.)

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

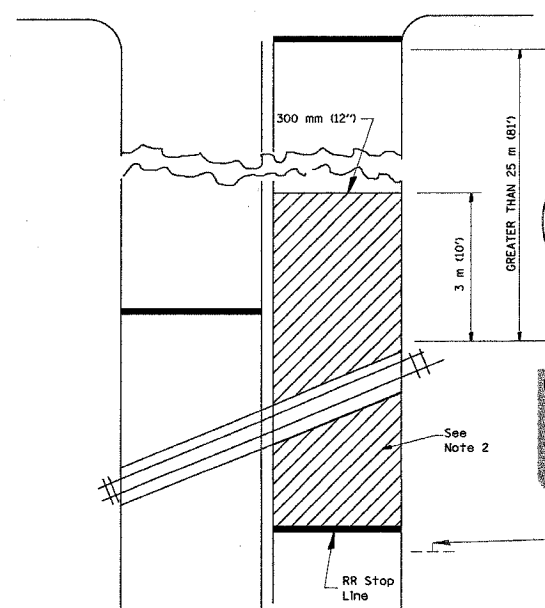
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
R. MIRS	9-15-97	TEMPORARY INFORMATION SIGNING
R. MIRS	2-11-97	
T. RAMMACHER	2-2-99	

SCALE: DATE 10/26/2005 DRAWN BY: BUR. OF DESIGN CHECKED BY

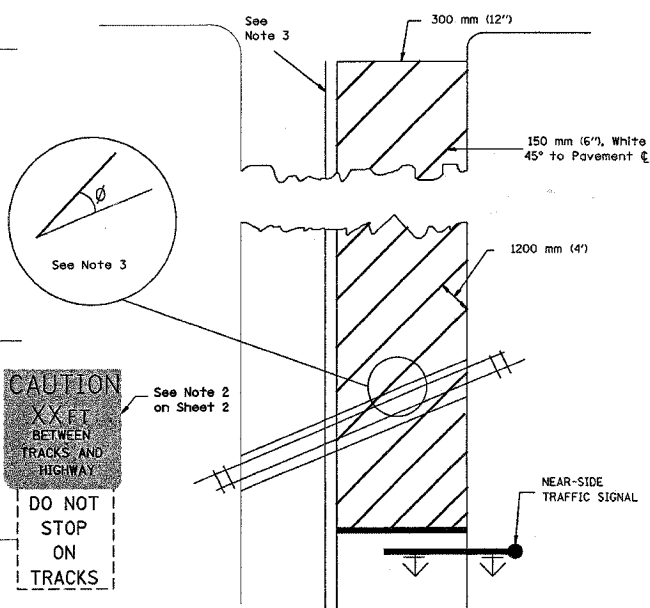
TC22 REVISION DATE: 02/02/99

6030			
F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS
* 2000-037 RS	Cook		58
STA.	TO STA.		SHEET NO.
			55
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
*2786, 1334, 1332			

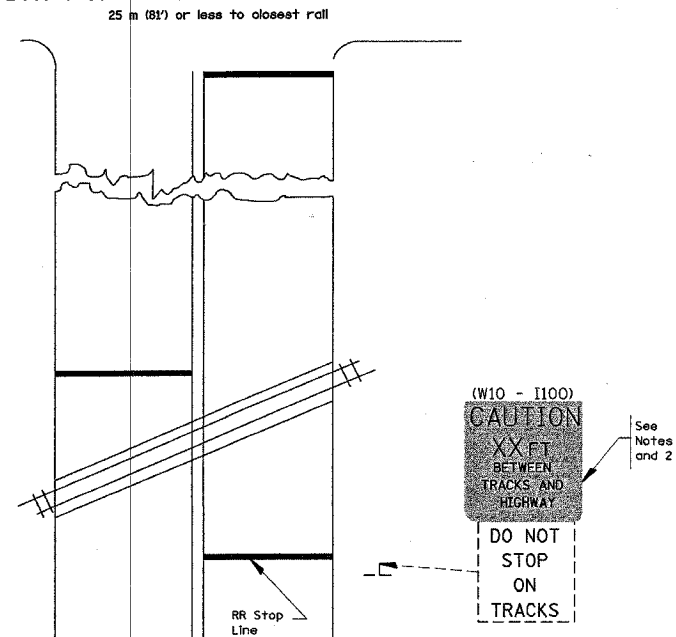
WITH INTERSECTION TRAFFIC SIGNALS



WITH NEAR-SIDE TRAFFIC SIGNALS



WITH NONSIGNALIZED INTERSECTION



CAUTION
XX FT
BETWEEN
TRACKS AND
HIGHWAY
DO NOT
STOP
ON
TRACKS

(W10 - 1100)
CAUTION
XX FT
BETWEEN
TRACKS AND
HIGHWAY
DO NOT
STOP
ON
TRACKS

- NOTES:
1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
 2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
 3. WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (θ) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

- NOTE:
1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 1.8 m (6 FEET) FROM THE RAIL (CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 1.5 m (5 FEET). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
 2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

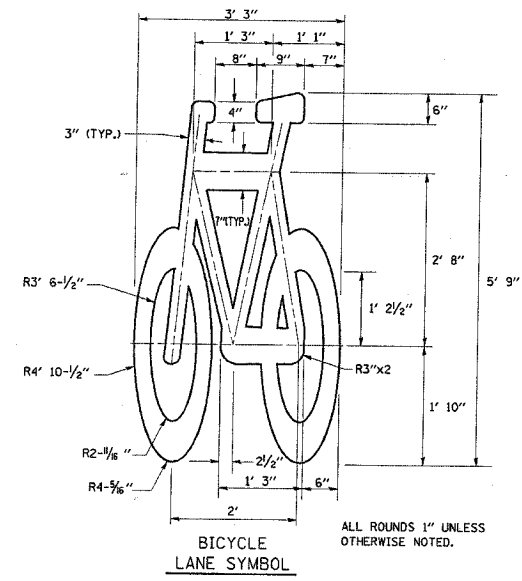
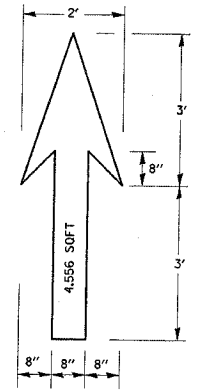
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SUPPLEMENTAL
SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

DRAWN BY:
10/26/2005
CHECKED BY:

TC23
REVISION DATE:

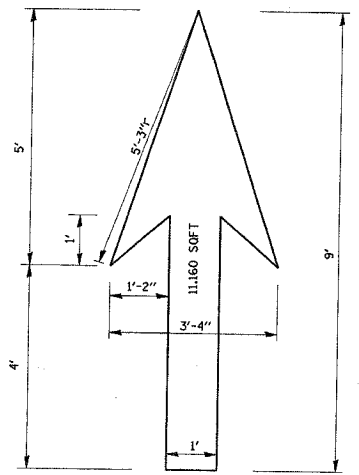
F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 2000-0378	COOK		58	57
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*2786, 1334, 1332				



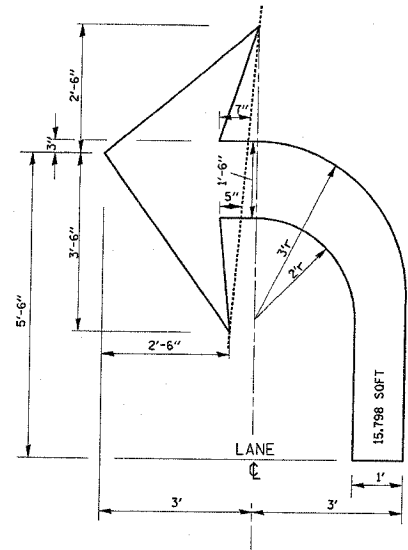
NOTE:
 1.) FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
 2.) THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
 DRAWING #28

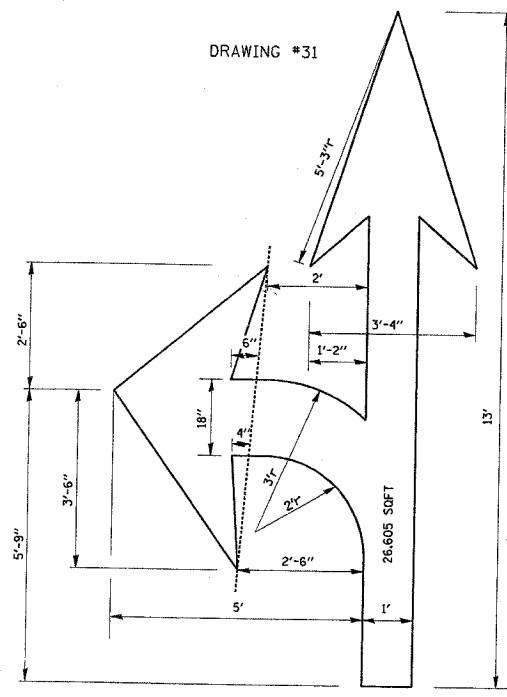
DRAWING #29



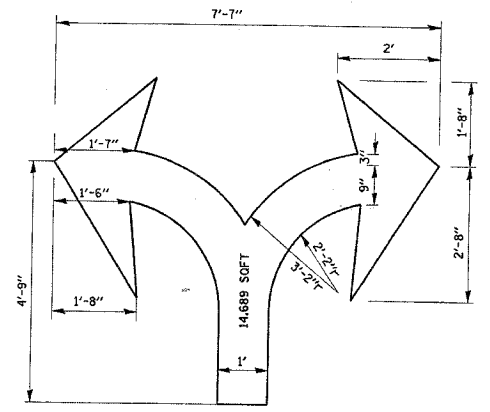
DRAWING #30



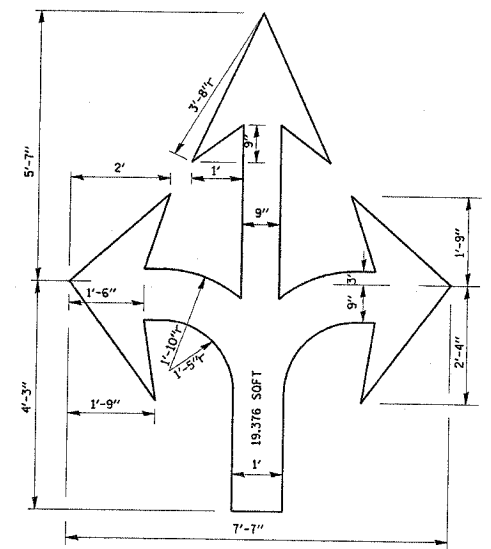
DRAWING #31



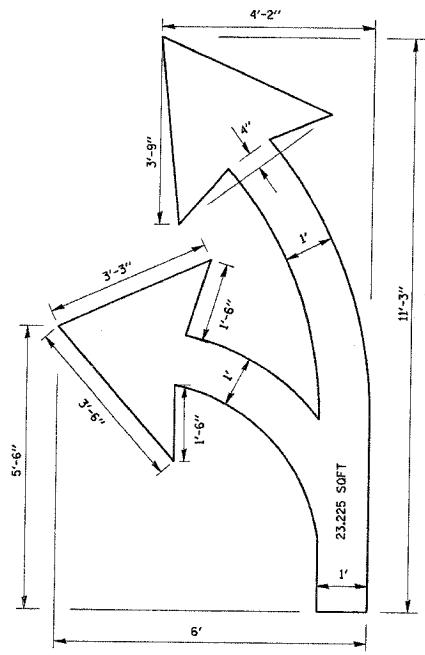
DRAWING #32



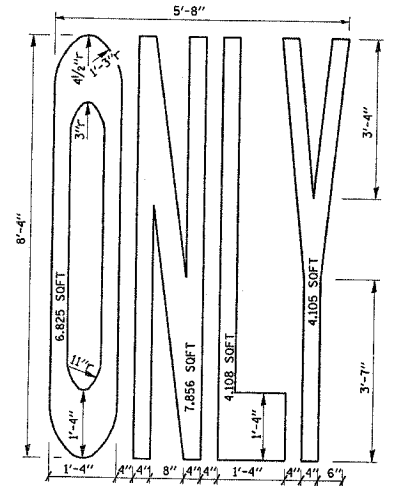
DRAWING #33



DRAWING #34



DRAWING #35



NOTE:
 ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

REVISIONS	
NAME	DATE
T. RAMMACHER	12/07/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS.

SCALE: NONE
 DATE 10/26/2005

DRAWN BY
 CHECKED BY
 TC-24

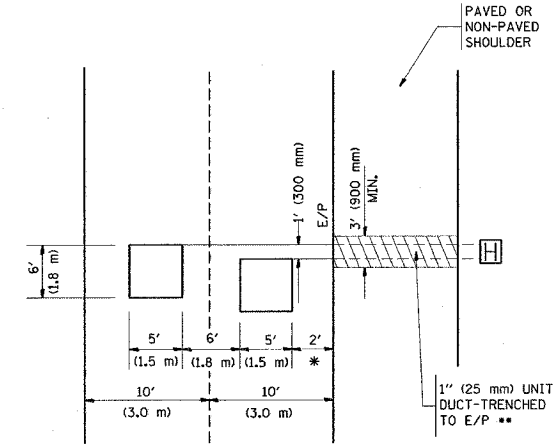
REVISION DATE: 02/25/04

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
* 2000-0378	COOK	58	58
STA.	TO STA.		

* 2786, 1334, 1332

LOOPS NEXT TO SHOULDERS

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

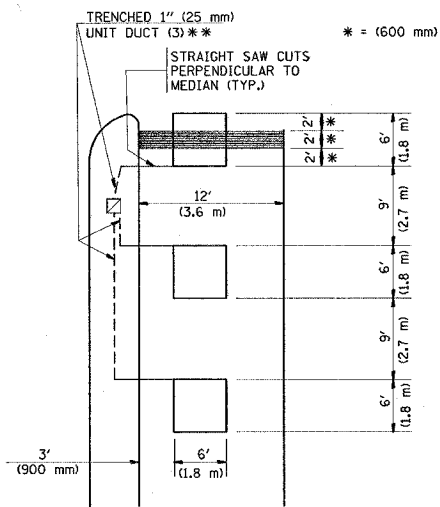


* = (600 mm)
 ** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

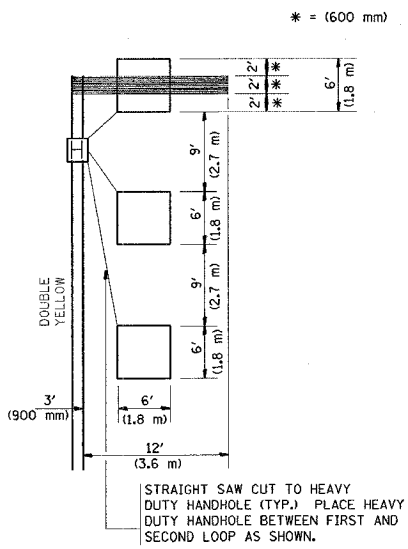
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



* = (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

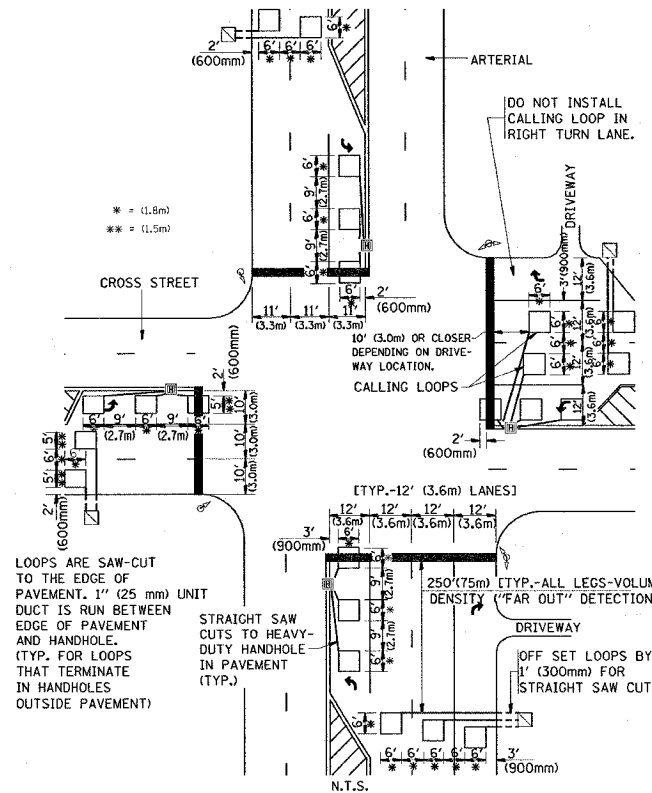
LEFT TURN LANES WITHOUT MEDIANS
 VOLUME DENSITY ("FAR OUT" DETECTION)
 ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



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

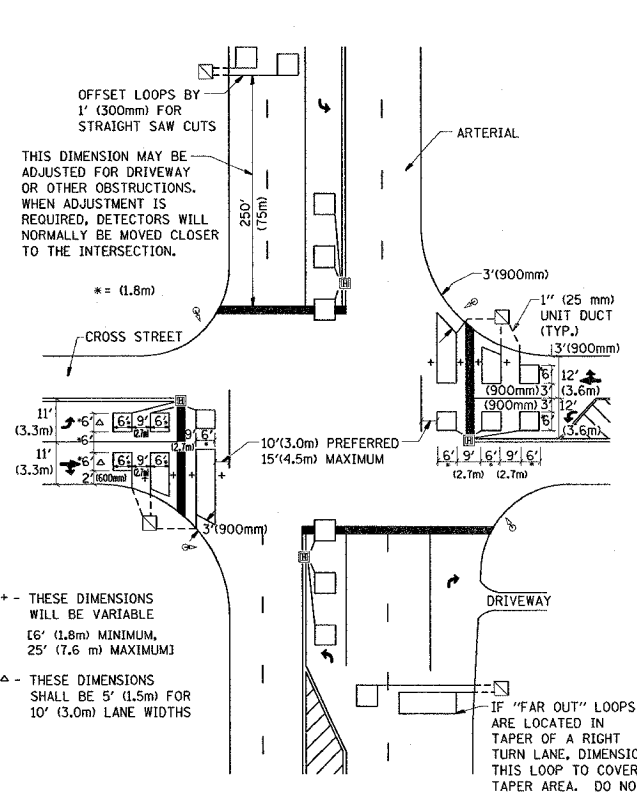
ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
 CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



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.)
 OFF SET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS.
 N.T.S.

DETAIL 1
 N.T.S.

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



OFF SET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS
 THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.
 * = (1.8m)
 + - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
 Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS
 IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
 N.T.S.

NOTES:

- VEHICLES LOOP DETECTORS
- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
 - * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
 - * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR 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.

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 DIMENSIONS 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 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.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 1
 DETECTOR LOOP
 INSTALLATION DETAILS
 FOR ROADWAY RESURFACING

SCALE: NONE
 DATE: 10/26/2005

DRAWN BY CADD
 DESIGNED BY
 CHECKED BY R.K.F.
 TSO7

REVISION DATE: