

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	531 RS-2	COOK	26	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60H34	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

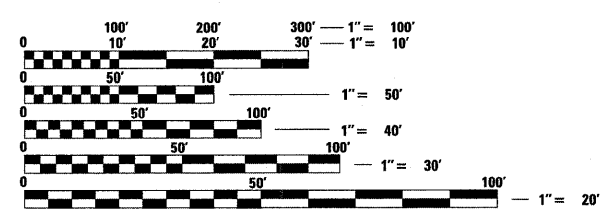
**PROPOSED
HIGHWAY PLANS**

F.A.U. ROUTE 2592: IL RTE 53 (HICKS ROAD)
FIRST BANK DRIVE TO LAKE COOK ROAD
SECTION: 531 RS-2
RESURFACING (3P)
COOK COUNTY
C-91-604-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN
THE VILLAGE OF PALATINE

2002 ADT = 21,200 VEHICLES PER DAY
SPEED LIMIT = 45 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.

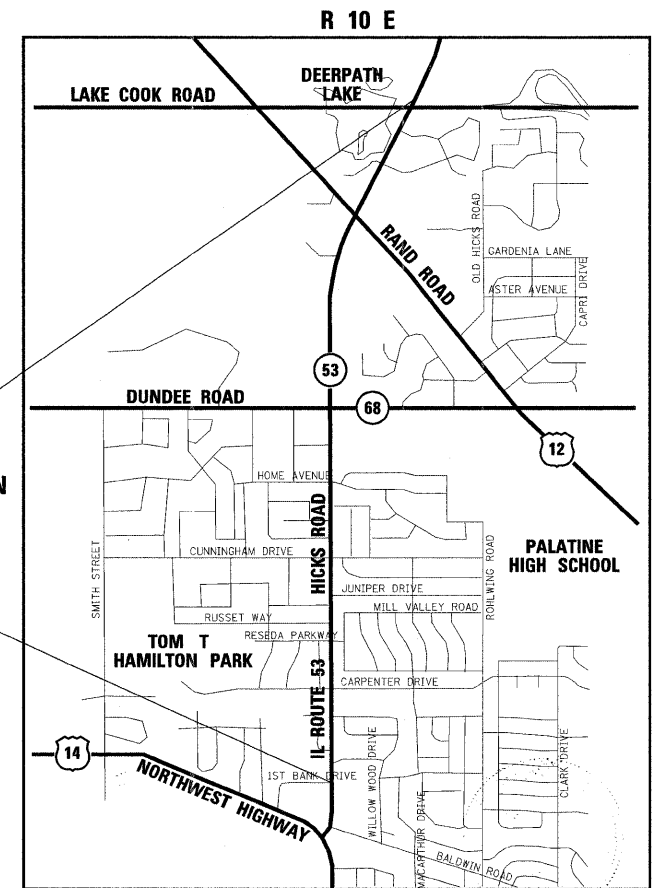
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: MICHELLE AQUINO (847) 705-4606
PROJECT MANAGER: LONG TRAN (847) 705-4232

CONTRACT NO. 60H34

IMPROVEMENT
ENDS STA 139+18

IMPROVEMENT
BEGINS STA 15+91



PALATINE TOWNSHIP
LOCATION MAP
NOT TO SCALE

GROSS & NET LENGTH OF PROJECT = 12,327 FT = 2.33 MILES

D-91-604-09



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED APRIL 21, 2009

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

May 1, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 2009
Christina M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



Mark A. Kazich
Expires 11/30/09

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, IL 60187

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-9	ROADWAY AND PAVEMENT MARKING PLANS
10-14	DETECTOR LOOP REPLACEMENT PLANS
15	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
16	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
17	BUTT JOINTS AND HMA TAPER DETAILS
18	HMA TAPER AT EDGE OF P.C.C. PAVEMENT
19	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
20	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
21	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
22	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
23	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
24	ARTERIAL ROAD /INFORMATION SIGN
25	DRIVEWAY ENTERANCE SIGNING
26	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS \geq 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS \geq 45 MPH
701606-06	URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL *J.U.L.I.E.* AT (800)892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
2. ALL PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE PROJECT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.
3. ALL HMA PAVEMENT PATCHING SHALL BE CLASS D.
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. 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.
6. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
7. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
8. DRAINAGE ADJUSTMENT, CLEANING OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
9. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
10. THE RESIDENT ENGINEER SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
11. THE ENGINEER SHALL CONTACT MR. WALLY CZARNY, THE TRAFFIC FIELD ENGINEER, @ 773-685-4342 TWO (2) WEEKS PRIOR TO THE START OF THIS PROJECT SO THAT EXACT STATIONING OF NO PASSING ZONES AND OTHER PERMANENT PAVEMENT MARKINGS MAY BE ESTABLISHED.
12. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
13. 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.
14. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
15. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL FOR TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHOWN IN THE PLANS.
16. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
17. WHEN 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 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM 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)
18. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
20. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
21. THE REMOVAL OF THE PORTION OF THE MEDIAN P.C.C. CURB ABOVE THE GUTTER WILL BE INCLUDED FOR MEASUREMENT AND PAYMENT AS MEDIAN REMOVAL, PARTIAL DEPTH.
22. THE ADJUSTMENT OF DRAINAGE STRUCTURES WITHIN THE MEDIAN (INCLUDING MEDIAN GUTTER) WILL BE MEASURED AND PAID FOR AS CATCH BASINS TO BE ADJUSTED.

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 MODEL = Default



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Wheaton, IL 60187

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DATE - 4/22/2009 8:44:08 AM	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE 53 (HICKS RD)

**INDEX OF SHEETS, STATE
STANDARDS, GENERAL NOTES**

SCALE: 1"=50' SHEET NO. OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	531 RS-2	COOK	26	2
CONTRACT NO. 60H34				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN	
			100% STATE TOTAL QUANTITY	CONSTRUCTION TYPE CODE 1000
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	57	57
40600300	AGGREGATE (PRIME COAT)	TON	141	141
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	27	27
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	2,720	2,720
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	9,494	9,494
42001300	PROTECTIVE COAT	SQ YD	200	200
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	8,198	8,198
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	500	500
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	87,785	87,785
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	559	559
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	2,795	2,795
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1,118	1,118
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,118	1,118
55039700	STORM SEWERS TO BE CLEANED	FOOT	1,500	1,500
60250200	CATCH BASINS TO BE ADJUSTED	EACH	24	24
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	26	26
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6,849	6,849
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,075	2,075
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	68,968	68,968
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5,706	5,706
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2,086	2,086
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	845	845
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,283	2,283
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,075	2,075
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	68,968	68,968
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5,706	5,706
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,086	2,086

* SPECIALTY ITEM

SUMMARY OF QUANTITIES				
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN	
			100% STATE TOTAL QUANTITY	CONSTRUCTION TYPE CODE 1000
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	845	845
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,074	1,074
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	930	930
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2,000	2,000
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	206	206
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3,274	3,274
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	16,574	16,574
X4421000	PARTIAL DEPTH PATCHING	TON	691	691
X4422030	PARTIAL DEPTH REMOVAL 3"	SQ YD	4,110	4,110
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	50	50
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	5	5

* SPECIALTY ITEM

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 MODEL : Default



200 West Front Street
Wheaton, IL 60187

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 53 (HICKS RD)

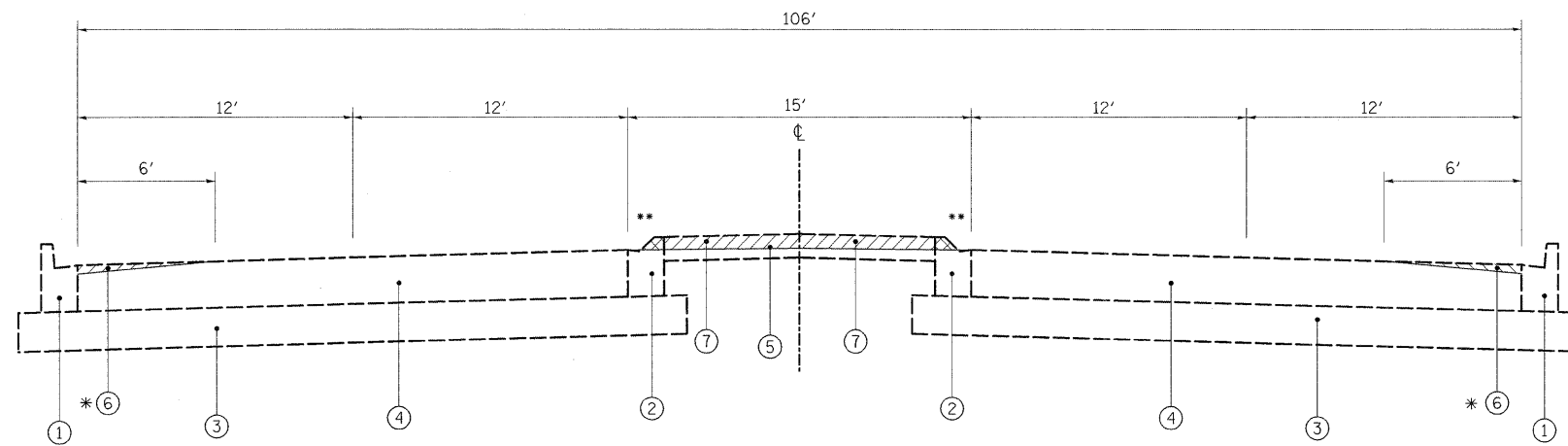
SUMMARY OF QUANTITIES

F.A.P. RTE. 2592	SECTION 531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 3
CONTRACT NO. 60H34				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

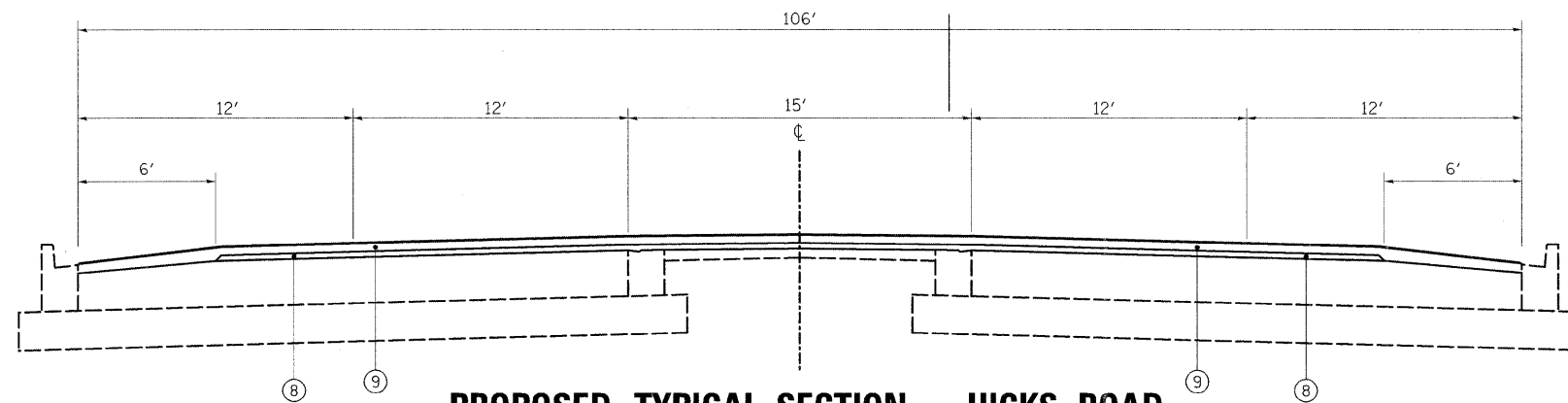
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SHEET NO. ___ OF 26 SHEETS

STA. _____ TO STA. _____

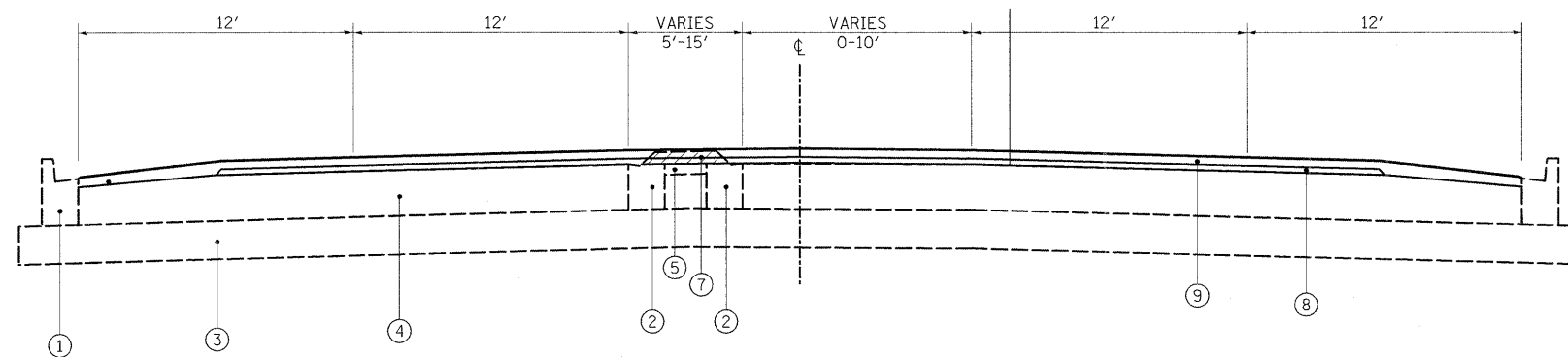


EXISTING TYPICAL SECTION - HICKS ROAD



PROPOSED TYPICAL SECTION - HICKS ROAD

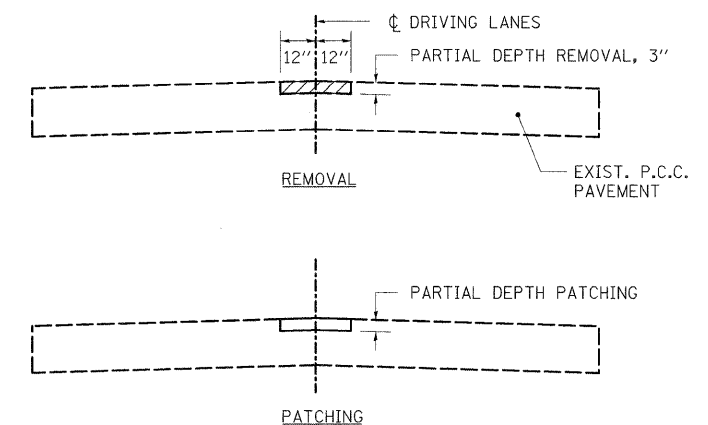
STA. 21+82 TO STA. 26+67
 STA. 35+35 TO STA. 37+63
 STA. 43+66 TO STA. 47+71
 STA. 50+81 TO STA. 52+14
 STA. 62+52 TO STA. 63+60
 STA. 71+43 TO STA. 71+70
 STA. 85+31 TO STA. 104+65
 STA. 111+64 TO STA. 112+90
 STA. 119+96 TO STA. 129+61



EXISTING & PROPOSED TURN LANE TYPICAL SECTION - HICKS ROAD

STA. 15+19 TO STA. 21+82
 STA. 26+67 TO STA. 35+35
 STA. 37+63 TO STA. 43+66
 STA. 47+71 TO STA. 50+81
 STA. 52+14 TO STA. 62+52
 STA. 63+60 TO STA. 71+43
 STA. 71+70 TO STA. 85+31
 STA. 104+65 TO STA. 111+64
 STA. 112+90 TO STA. 119+96
 STA. 129+61 TO STA. 139+18

NOTES: 1. REVERSE ABOUT CENTERLINE, FOR OPPOSITE DIRECTION
 2. BARRIER MEDIAN EXISTS AT INTERSECTION APPROACHES WITH RAND & LAKE-COOK ROAD.



PARTIAL DEPTH REMOVAL AND PATCHING DETAIL

(TO BE USED AT LONGITUDINAL LANE JOINTS @ DIRECTION OF ENGINEER)

HOT-MIX ASPHALT MIXTURE

MIXTURE	AC TYPE	AIR VOIDS (%)
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	SBS/SBR PG 70-22	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
CLASS D PATCH/PARTIAL DEPTH PATCHING (HMA BINDER, IL-19 mm, N70)	PG 64-22*	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SO YD/IN

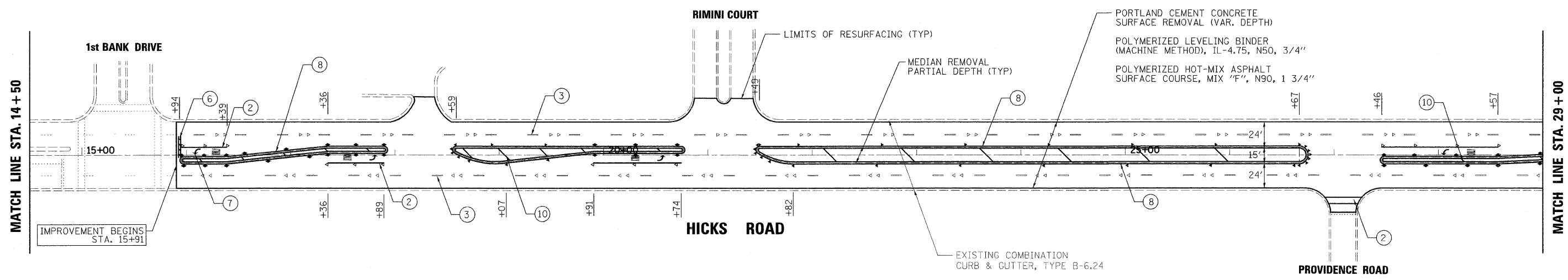
*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

LEGEND

- ① EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- ② EXISTING COMBINATION CURB AND GUTTER, TYPE M-2.12
- ③ EXISTING AGGREGATE BASE COURSE
- ④ EXISTING PCC PAVEMENT, 10"±
- ⑤ EXISTING HMA MEDIAN
- *⑥ PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH
- ⑦ MEDIAN REMOVAL, PARTIAL DEPTH (SEE NOTE)
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑨ PROPOSED POLYMERIZED HOT-MIX POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, "MIX F", N90, 1 3/4"
- * SEE DISTRICT STANDARD (BD33) HMA TAPER AT EDGE OF P.C.C. PAVEMENT

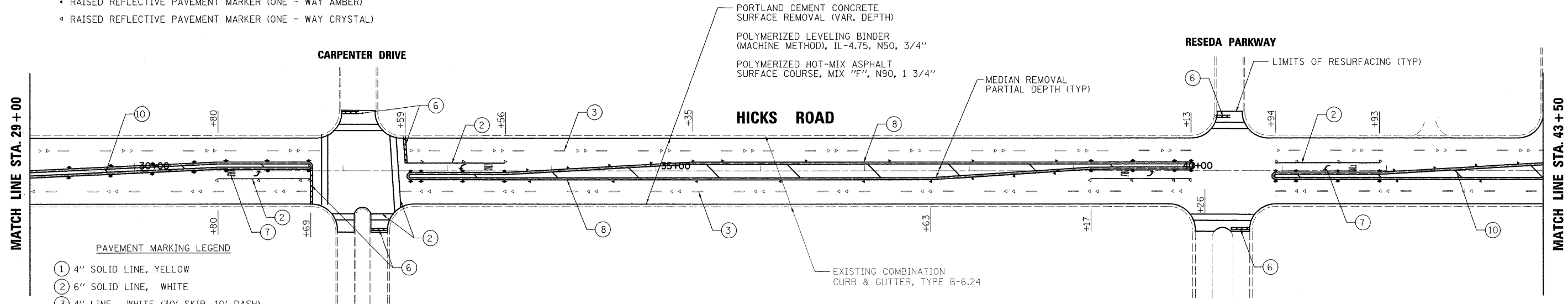
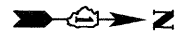
** COST OF REMOVAL OF PORTION OF P.C.C. CURB ABOVE GUTTER TO BE INCLUDED WITH MEDIAN REMOVAL, PARTIAL DEPTH

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SYMBOLS LEGEND

- ◆ RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY AMBER)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY CRYSTAL)



PAVEMENT MARKING LEGEND

- ① 4" SOLID LINE, YELLOW
 - ② 6" SOLID LINE, WHITE
 - ③ 4" LINE, WHITE (30' SKIP, 10' DASH)
 - ④ 6" LINE, WHITE (6' SKIP, 2' DASH)
 - ⑤ 12" DIAGONAL LINES, 45 DEGREES @ 4' O.C., WHITE
 - ⑥ 24" SOLID LINE, WHITE
 - ⑦ LETTERS AND SYMBOLS, WHITE
 - ⑧ 4" DOUBLE CENTER LINE, YELLOW
 - ⑨ 8" SOLID LINE, WHITE
 - ⑩ 12" DIAGONAL LINES, 45 DEGREES @ 75' O.C., YELLOW
- *ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC

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200 West Front Street
Wheaton, IL 60187

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE 53 (HICKS RD)

**ROADWAY AND
PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. OF 26 SHEETS STA.14+50 TO STA.43+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	531 RS-2	COOK	26	5
CONTRACT NO.60H34				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

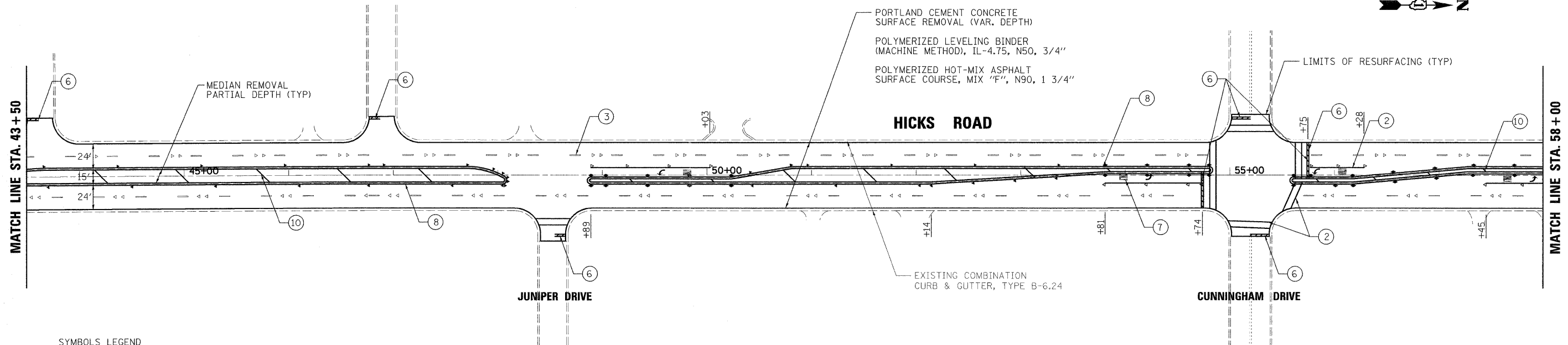
RUSSET WAY

FARMGATE LANE

HICKS ROAD

JUNIPER DRIVE

CUNNINGHAM DRIVE



SYMBOLS LEGEND

- RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER)
- RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY AMBER)
- RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY CRYSTAL)

OLD BRIDGE ROAD

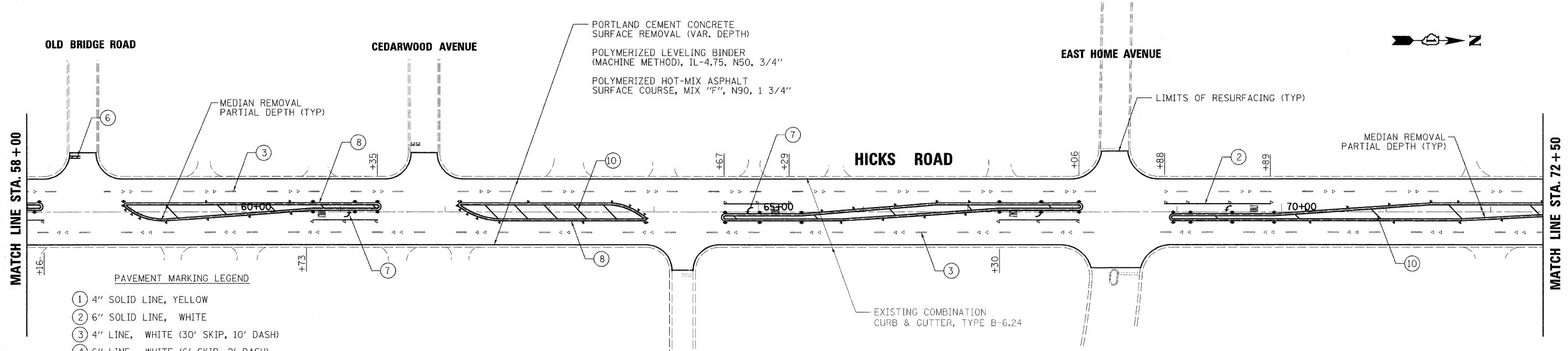
CEDARWOOD AVENUE

EAST HOME AVENUE

HICKS ROAD

MATCH LINE STA. 58 + 00

MATCH LINE STA. 72 + 50



PAVEMENT MARKING LEGEND

- ① 4" SOLID LINE, YELLOW
 - ② 6" SOLID LINE, WHITE
 - ③ 4" LINE, WHITE (30' SKIP, 10' DASH)
 - ④ 6" LINE, WHITE (6' SKIP, 2' DASH)
 - ⑤ 12" DIAGONAL LINES, 45 DEGREES @ 4' O.C., WHITE
 - ⑥ 24" SOLID LINE, WHITE
 - ⑦ LETTERS AND SYMBOLS, WHITE
 - ⑧ 4" DOUBLE CENTER LINE, YELLOW
 - ⑨ 8" SOLID LINE, WHITE
 - ⑩ 12" DIAGONAL LINES, 45 DEGREES @ 75' O.C., YELLOW
- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC

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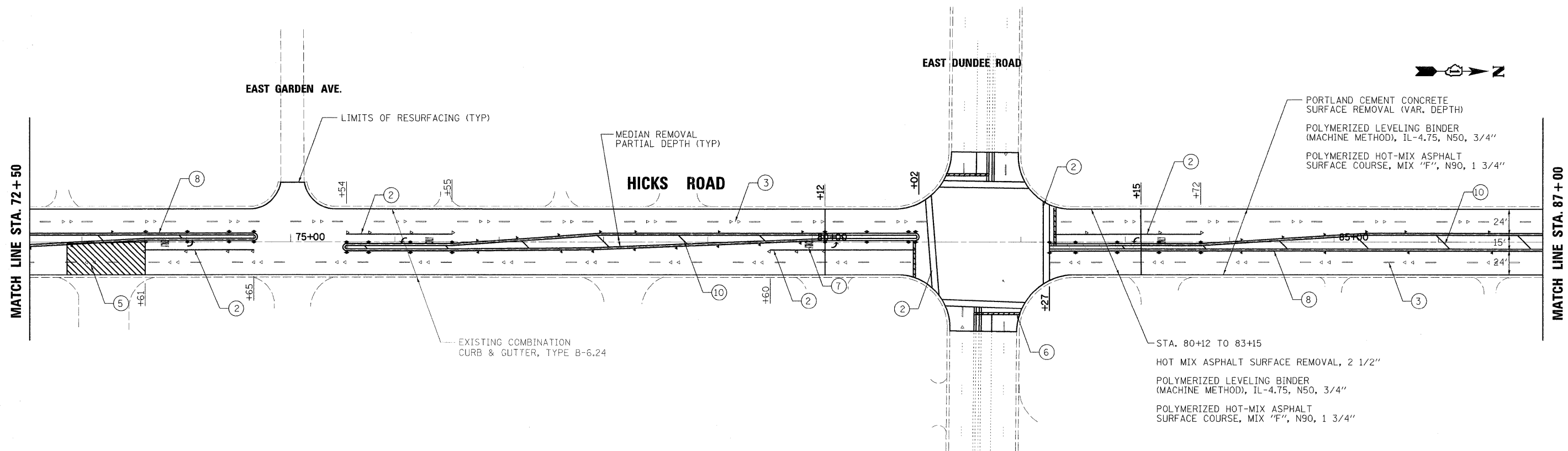
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 53 (HICKS RD)

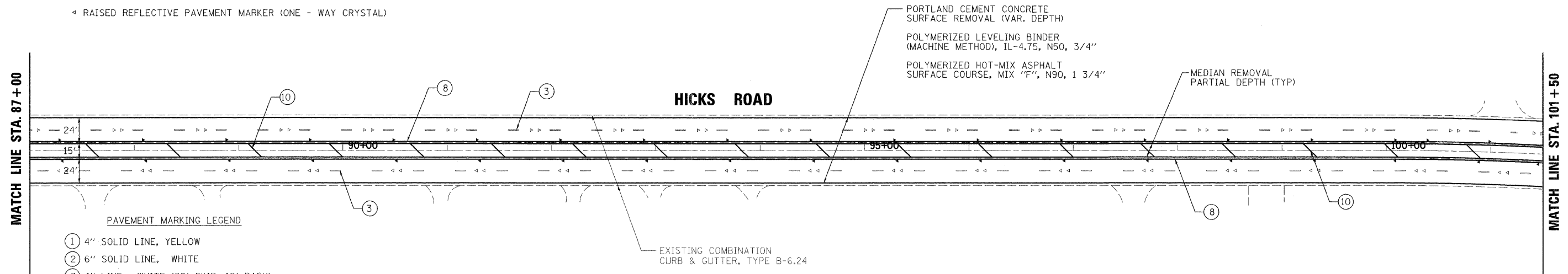
ROADWAY AND
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF 26 SHEETS STA.43+50 TO STA.72+50

F.A.P. RTE. 2592	SECTION 531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 6
CONTRACT NO.60H34				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- SYMBOLS LEGEND**
- RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER)
 - RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY AMBER)
 - RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY CRYSTAL)



- PAVEMENT MARKING LEGEND**
- ① 4" SOLID LINE, YELLOW
 - ② 6" SOLID LINE, WHITE
 - ③ 4" LINE, WHITE (30' SKIP, 10' DASH)
 - ④ 6" LINE, WHITE (6' SKIP, 2' DASH)
 - ⑤ 12" DIAGONAL LINES, 45 DEGREES @ 4' O.C., WHITE
 - ⑥ 24" SOLID LINE, WHITE
 - ⑦ LETTERS AND SYMBOLS, WHITE
 - ⑧ 4" DOUBLE CENTER LINE, YELLOW
 - ⑨ 8" SOLID LINE, WHITE
 - ⑩ 12" DIAGONAL LINES, 45 DEGREES @ 75' O.C., YELLOW
- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC

PLOT DATE = 4/21/2009
 FILE NAME = I:\11225154\hicks_road\end\sheet\hicks_Plan_023.dgn
 PLOT SCALE = 1"=50'
 PLOT NAME = Default



200 West Front Street
Wheaton, IL 60187

DESIGNED - MAK	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 4/21/2009 1:38:50 PM	REVISED -

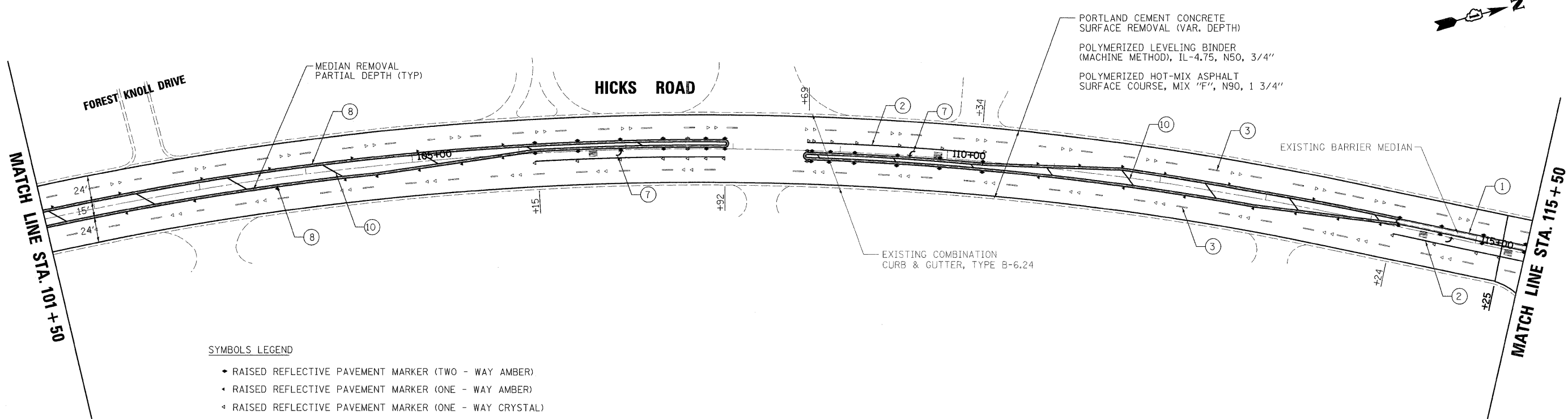
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE 53 (HICKS RD)

**ROADWAY AND
PAVEMENT MARKING PLAN**

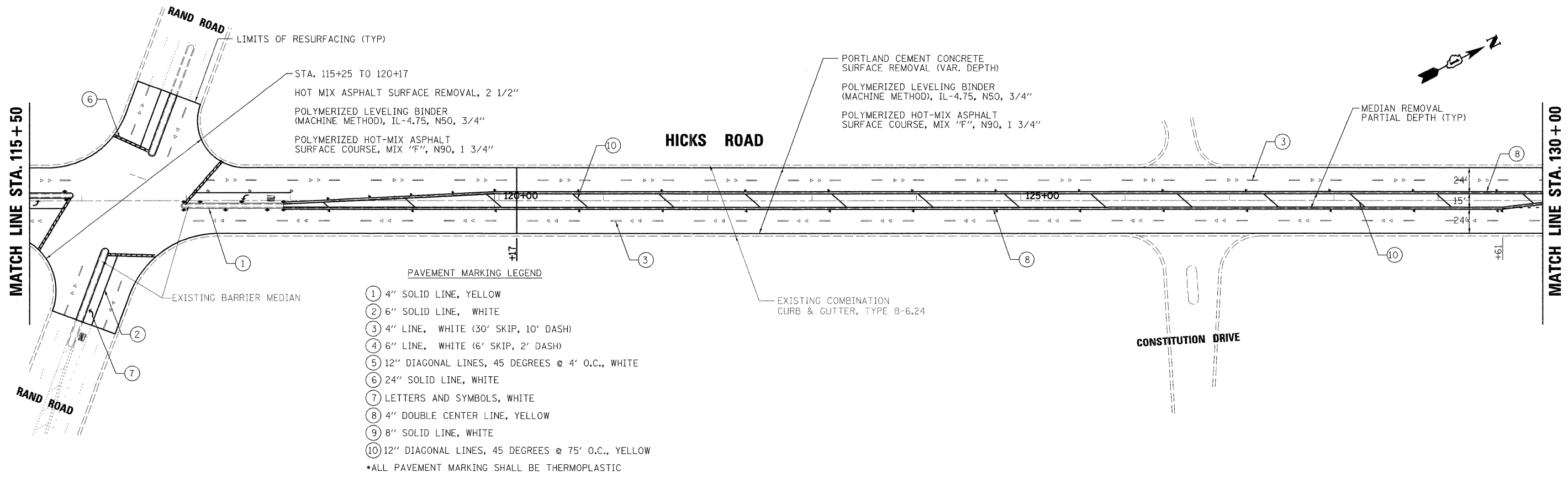
SCALE: 1"=50' SHEET NO. OF 26 SHEETS STA. 72+50 TO STA. 101+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	531 RS-2	COOK	26	7
CONTRACT NO. 60H34				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- SYMBOLS LEGEND**
- ◆ RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER)
 - ▲ RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY AMBER)
 - ◄ RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY CRYSTAL)

NOTE: EXISTING BARRIER MEDIAN AT RAND ROAD APPROACHES TO REMAIN



- PAVEMENT MARKING LEGEND**
- ① 4" SOLID LINE, YELLOW
 - ② 6" SOLID LINE, WHITE
 - ③ 4" LINE, WHITE (30' SKIP, 10' DASH)
 - ④ 6" LINE, WHITE (6' SKIP, 2' DASH)
 - ⑤ 12" DIAGONAL LINES, 45 DEGREES @ 4' O.C., WHITE
 - ⑥ 24" SOLID LINE, WHITE
 - ⑦ LETTERS AND SYMBOLS, WHITE
 - ⑧ 4" DOUBLE CENTER LINE, YELLOW
 - ⑨ 8" SOLID LINE, WHITE
 - ⑩ 12" DIAGONAL LINES, 45 DEGREES @ 75' O.C., YELLOW
- *ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC

PLOT DATE = 4/21/2009
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 PLOT SCALE = 1"=50'
 MODEL NAME = G:\road\



200 West Front Street
Wheaton, IL 60187

DESIGNED - MAK	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 4/21/2009 1:38:50 PM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE 53 (HICKS RD)

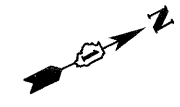
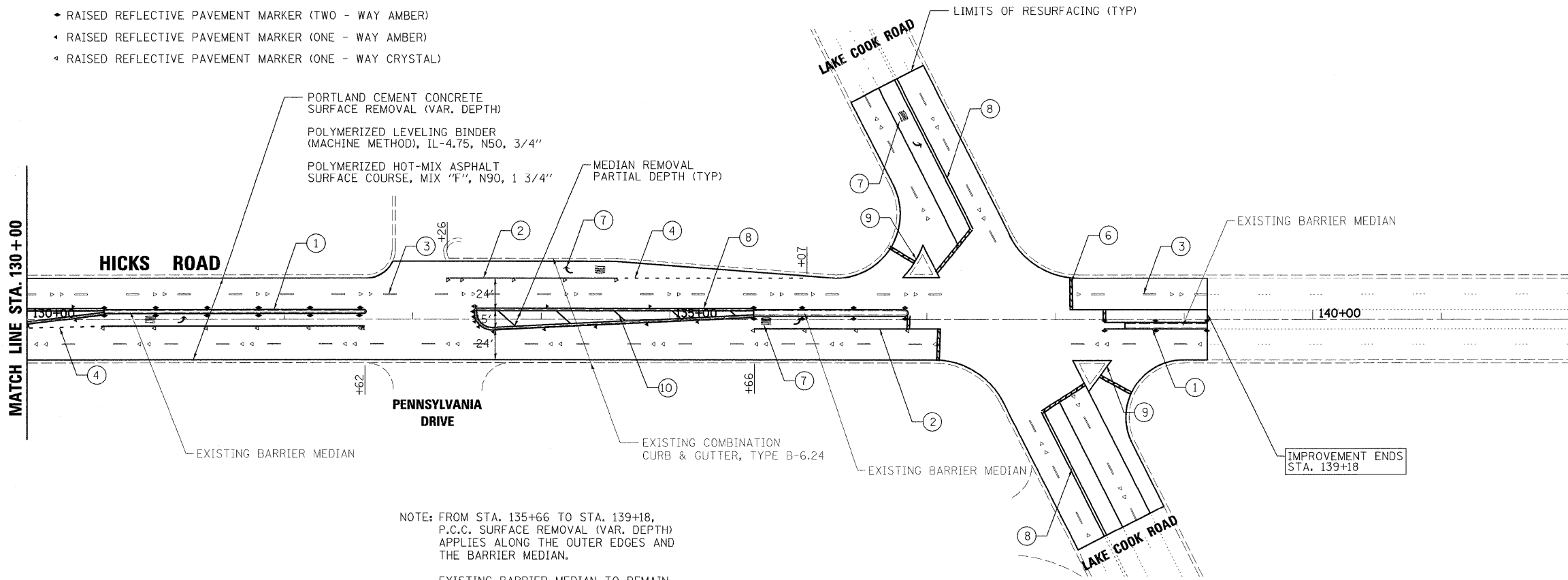
**ROADWAY AND
PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. OF 26 SHEETS STA.101+50 TO STA.130+00

F.A.P. RTE. 2592	SECTION 531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 8
CONTRACT NO.60H34				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SYMBOLS LEGEND

- ◆ RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY AMBER)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER (ONE - WAY CRYSTAL)



PAVEMENT MARKING LEGEND

- ① 4" SOLID LINE, YELLOW
 - ② 6" SOLID LINE, WHITE
 - ③ 4" LINE, WHITE (30' SKIP, 10' DASH)
 - ④ 6" LINE, WHITE (6' SKIP, 2' DASH)
 - ⑤ 12" DIAGONAL LINES, 45 DEGREES @ 4' O.C., WHITE
 - ⑥ 24" SOLID LINE, WHITE
 - ⑦ LETTERS AND SYMBOLS, WHITE
 - ⑧ 4" DOUBLE CENTER LINE, YELLOW
 - ⑨ 8" SOLID LINE, WHITE
 - ⑩ 12" DIAGONAL LINES, 45 DEGREES @ 75' O.C., YELLOW
- *ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC

NOTE: FROM STA. 135+66 TO STA. 139+18, P.C.C. SURFACE REMOVAL (VAR. DEPTH) APPLIES ALONG THE OUTER EDGES AND THE BARRIER MEDIAN.
 EXISTING BARRIER MEDIAN TO REMAIN.

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200 West Front Street
 Wheaton, IL 60187

DESIGNED - MAK	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 4/21/2009 1:38:50 PM	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL RTE 53 (HICKS RD)

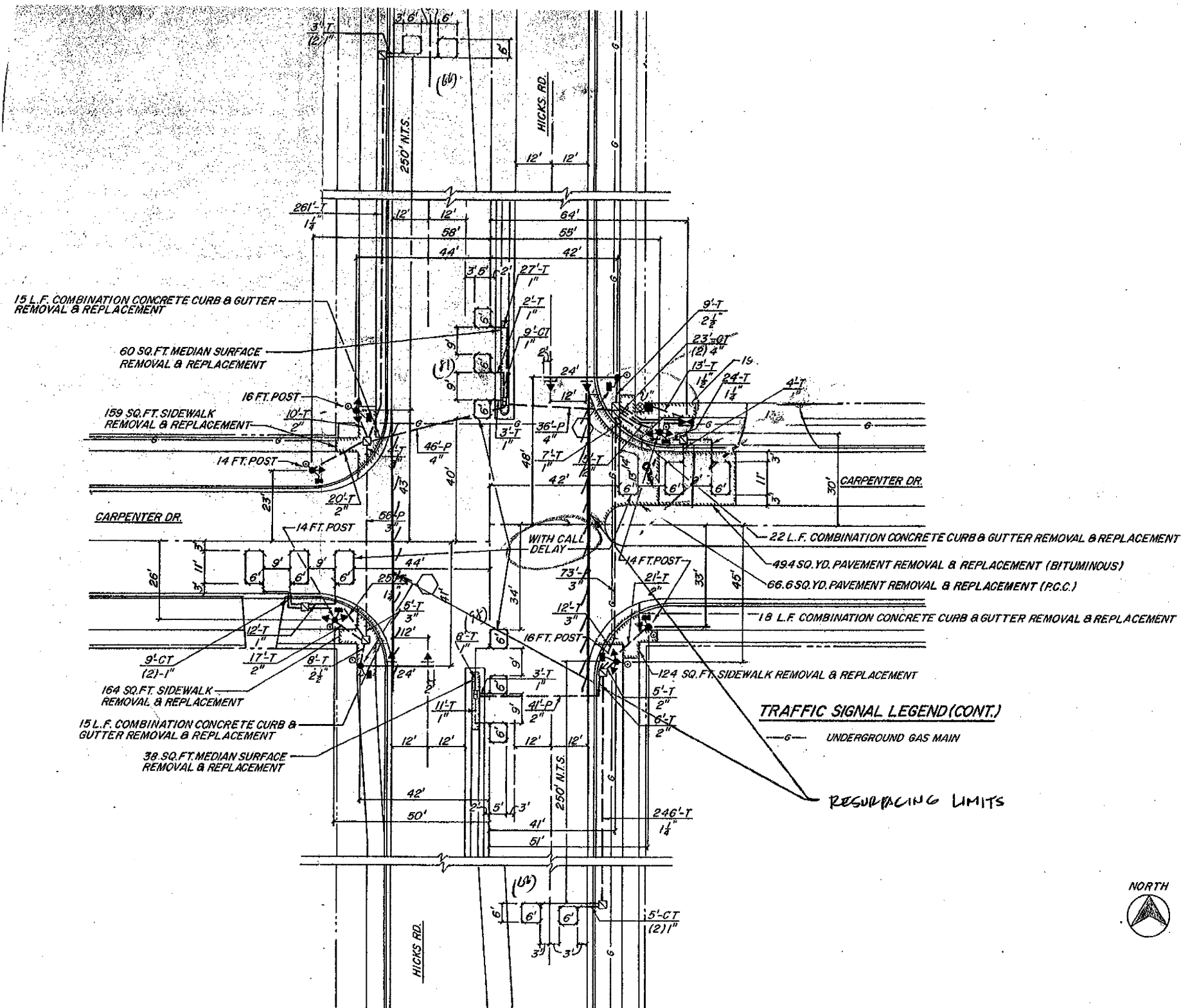
**ROADWAY AND
 PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. OF 26 SHEETS STA.130+00 TO STA.END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	531 RS-2	COOK	26	9
CONTRACT NO.60H34				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

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



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	311	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kentphixoybc	DESIGNED - BCK	REVISED -
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	PLOT SCALE = 3/4" = 1' IN.	CHECKED - OAD	REVISED -
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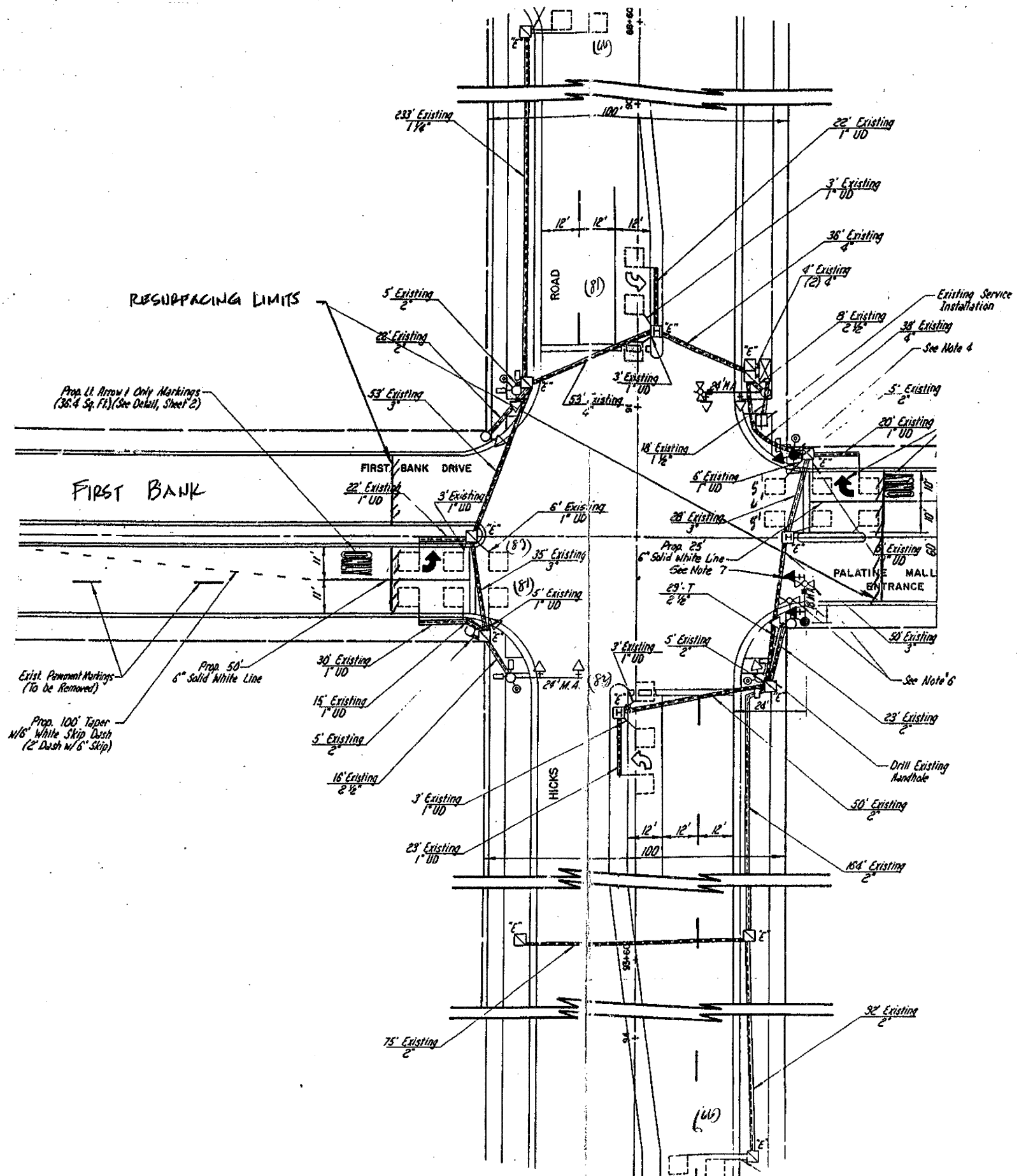
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
HICKS ROAD @ CARPENTER DRIVE

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	F.A. RTE. 2592	SECTION 531 RS-2	COUNTY Cook	TOTAL SHEETS 26	SHEET NO. 10
			CONTRACT NO.				
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

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



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	630	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = konthephxjbc	DESIGNED - BCK	REVISED -
PROJECT WORK\PH\DDT\KANTHAPHXAYBC\081126	4\tr-offic_logand_v7.dgn	DRAWN - BCK	REVISED -
	PLOT SCALE = 39.9369' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 4/3/2009	DATE -	REVISED -

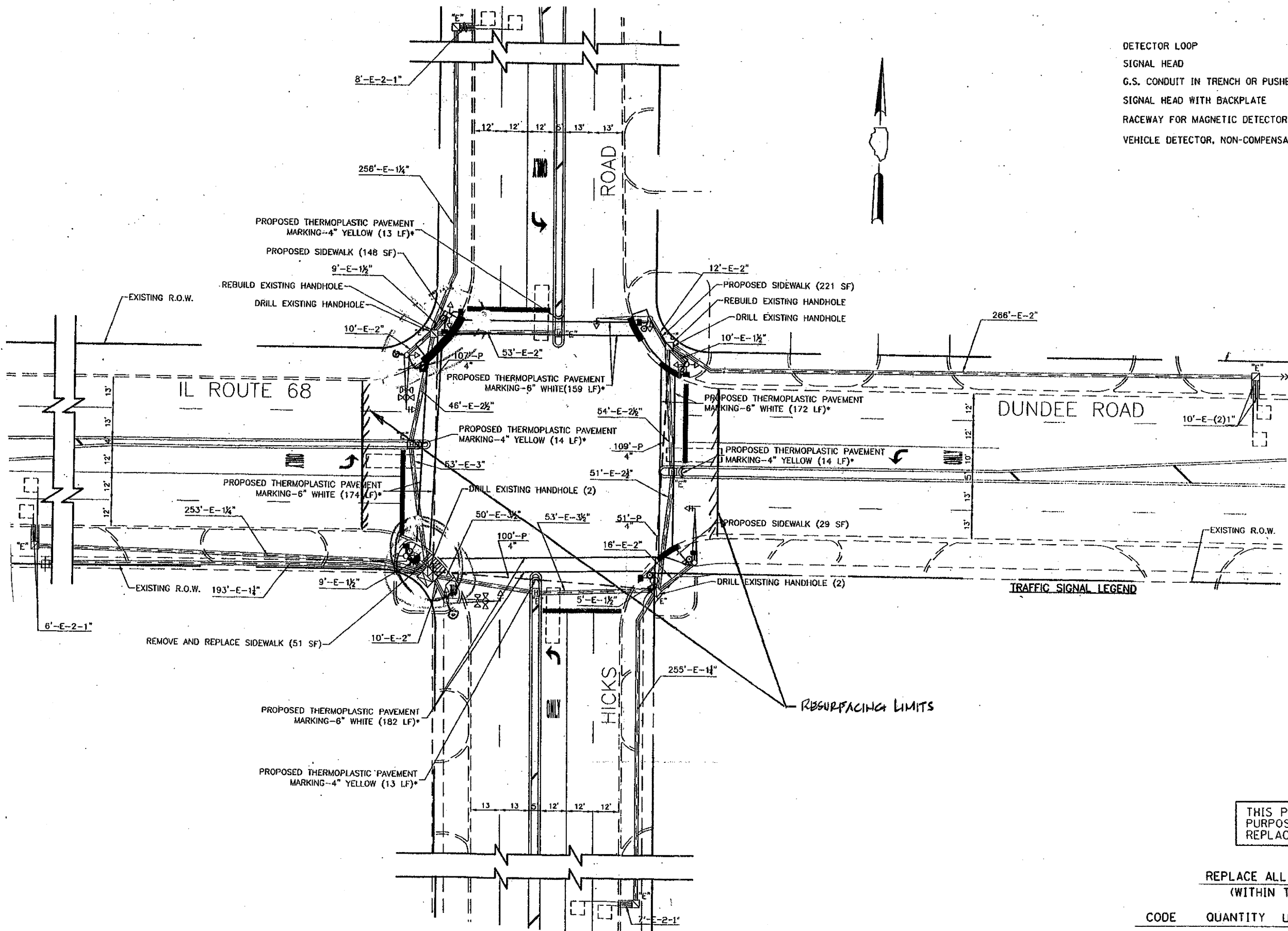
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
HICKS ROAD @ FIRST BANK DR.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	531 RS-2	COOK	26	11
SCALE: NONE			CONTRACT NO.	
SHEET NO. OF SHEETS		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

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



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

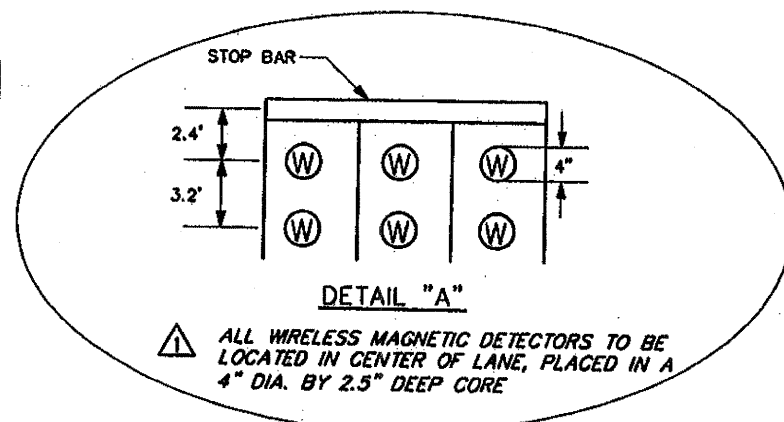
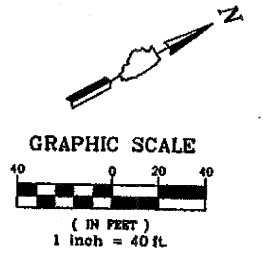
REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600		FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = konthaphixaybo	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT HICKS ROAD @ ILL. ROUTE 68	F.A. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
01\pwwork\VPWIDOT\KANTHAPHIXAYBO\01126	1\trffic.legend.v7.dgn	DRAWN - BCK	REVISED -			2592	531 RS-2	Cook	26	12
PLOT SCALE = 3/9368" / IN.	CHECKED - DAD	REVISED -	REVISED -			CONTRACT NO.				
PLOT DATE = 4/3/2009	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

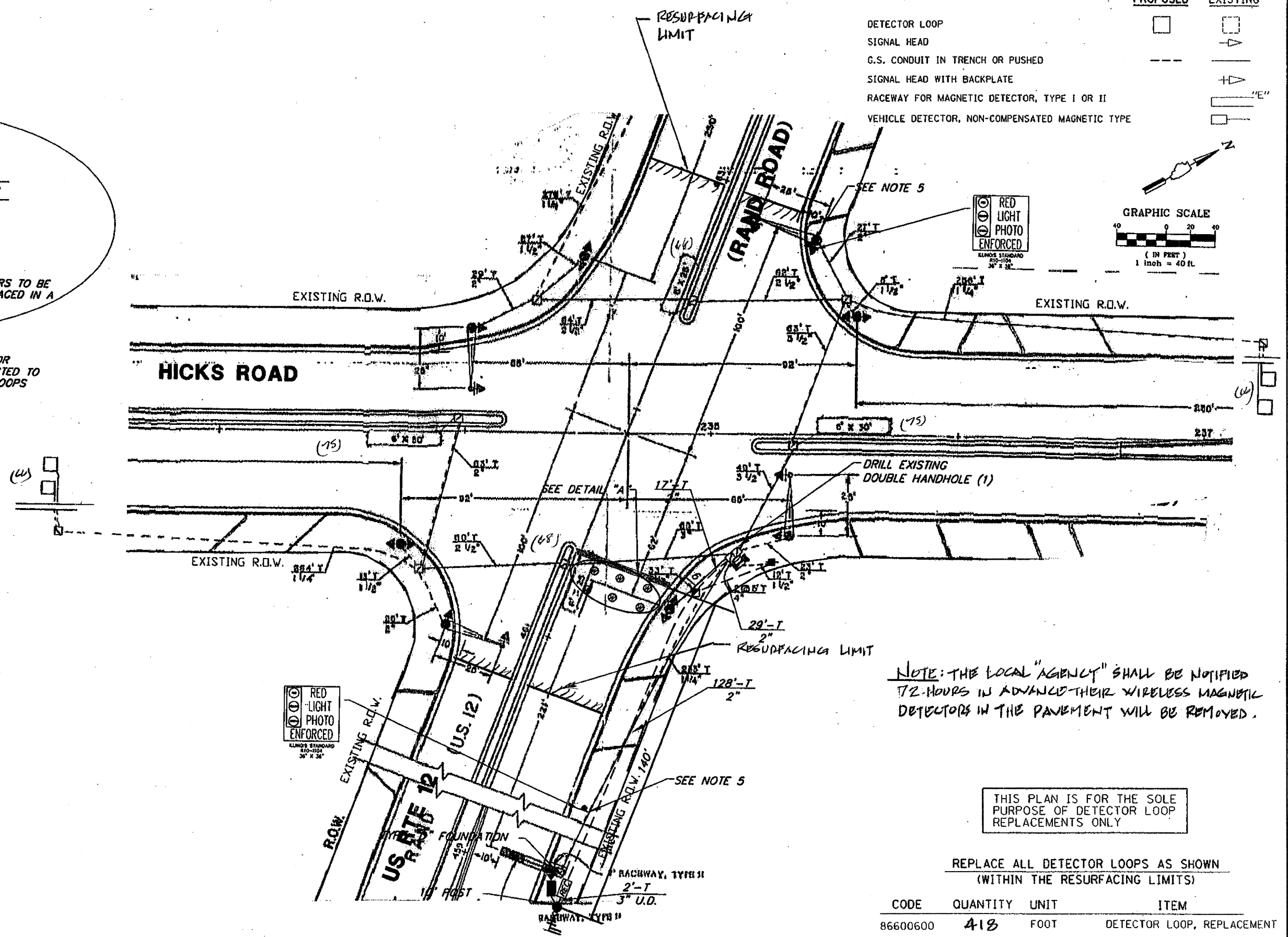
TRAFFIC SIGNAL LEGEND

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



ALL WIRELESS MAGNETIC DETECTORS TO BE LOCATED IN CENTER OF LANE, PLACED IN A 4" DIA. BY 2.5" DEEP CORE

WIRELESS MAGNETIC DETECTOR LOCATIONS SHALL BE ADJUSTED TO AVOID EXISTING DETECTOR LOOPS



NOTE: THE LOCAL "AGENCY" SHALL BE NOTIFIED 72 HOURS IN ADVANCE THEIR WIRELESS MAGNETIC DETECTORS IN THE PAVEMENT WILL BE REMOVED.

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	418	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = karthepixoybc	DESIGNED - BCK	REVISED -
ac:\p\work\p\WIDOT\MANTHAPHIXAYBC\01126	4\traffic\legend.v7.dgn	DRAWN - BCK	REVISED -
	PLOT SCALE = 3/4" = 1'	CHECKED - DAD	REVISED -
	PLOT DATE = 4/3/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

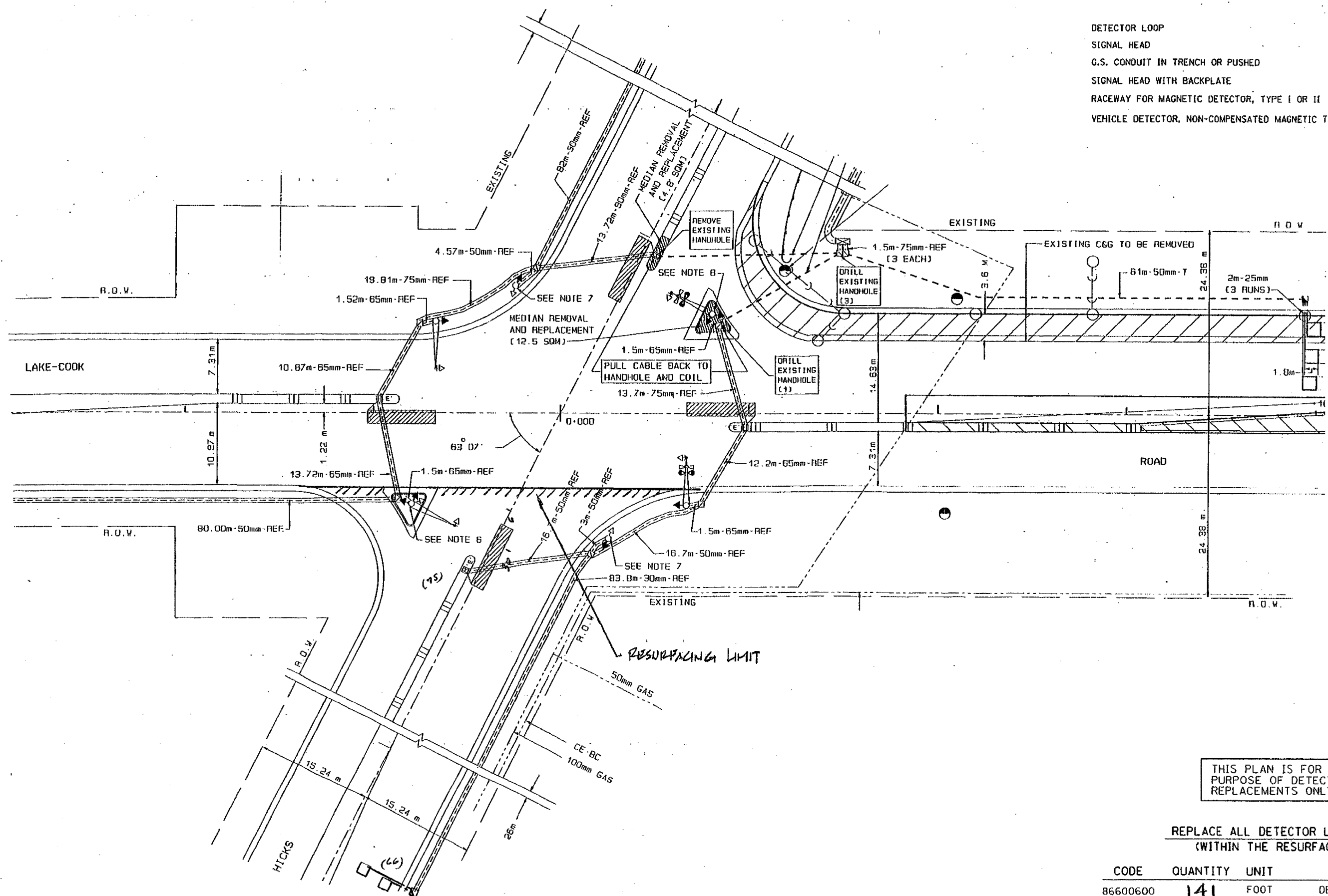
DISTRICT ONE - DETECTOR LOOP REPLACEMENT
HICKS ROAD @ U.S. ROUTE 12 (RAND RD.)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	531 RS-2	COOK	26	13
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO.	

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

TRAFFIC SIGNAL LEGEND

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

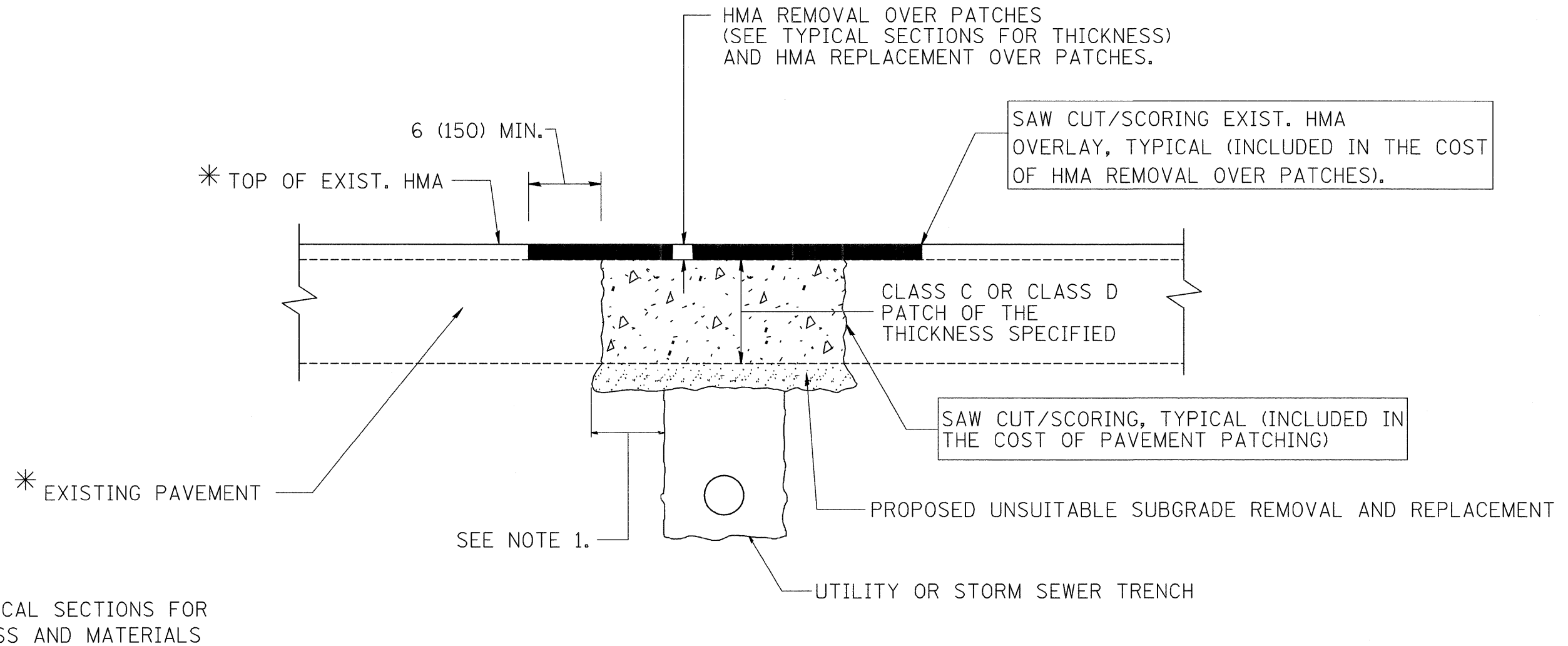


THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

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

CODE	QUANTITY	UNIT	ITEM
86600600	141	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = konthaphixaybc	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT HICKS ROAD @ LAKE/COOK ROAD	P.A. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
2592	531 RS-2	COOK	26			14				
PLOT SCALE = 39.9360 / 1/4" = 1'		CHECKED - DAD	REVISED -			CONTRACT NO.				
PLOT DATE = 4/3/2009		DATE =	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

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

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

FILE NAME = K:\11225514\Hicks Road\Cad\District 1 Details\Details.pdf	USER NAME = geglentobt	DESIGNED - R. SHAH	REVISED - A. ABBAS 01-20-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A. RTE. 2592	SECTION 0531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 15
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07				BD400-04 (BD-22)		CONTRACT NO. 60H34		
PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

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

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

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

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

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

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

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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

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

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

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

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).

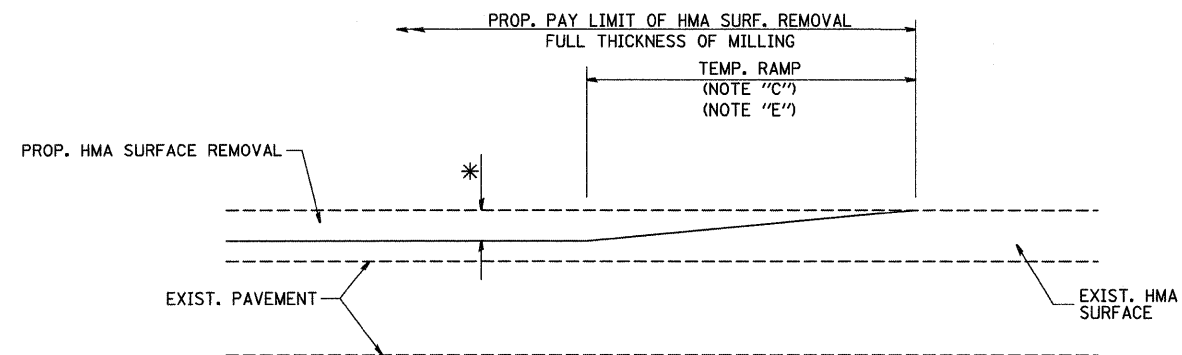
BASIS OF PAYMENT:

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

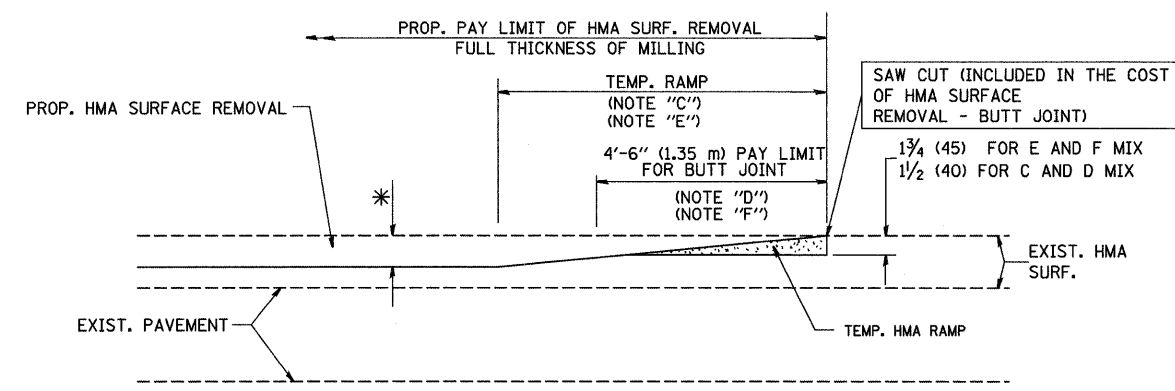
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = K:\11225514\Hicks Road\Cad\District 1 Details\Details.pdf	USER NAME = geglionbt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A. RTE. = 2592	SECTION = 0531 RS-2	COUNTY = COOK	TOTAL SHEETS = 26	SHEET NO. = 16
	PLOT SCALE = 50.000 // IN.	CHECKED -	REVISED - A. ABBAS 03-21-97			REVISED - M. GOMEZ 01-22-01	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-06 (BD-24) CONTRACT NO. 60H34
PLOT DATE = 1/4/2008	DATE = 03-11-94	REVISED - R. BORO 01-01-07								



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

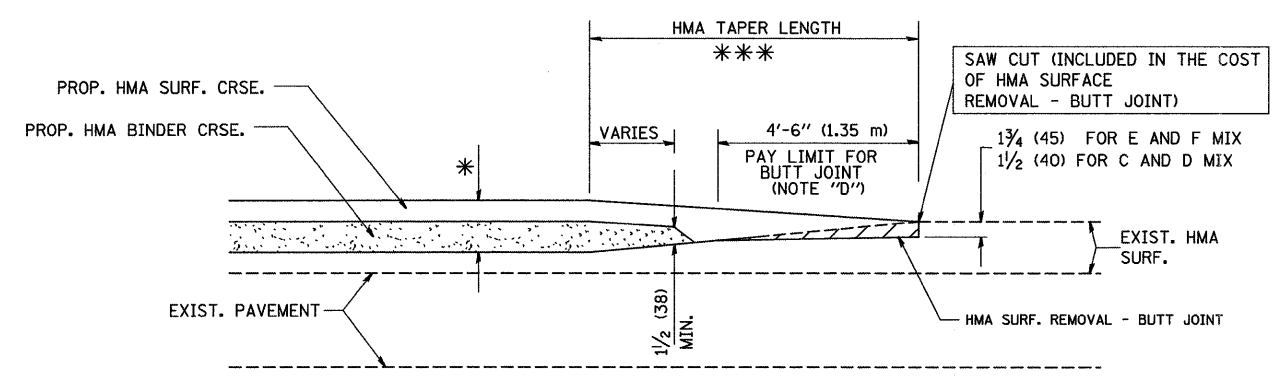
OPTION 1



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

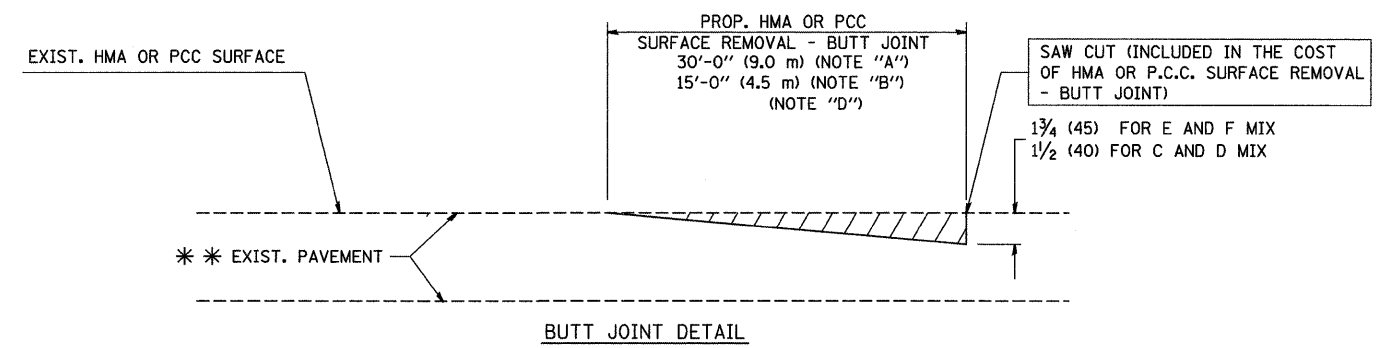
OPTION 2

TYPICAL TEMPORARY RAMP

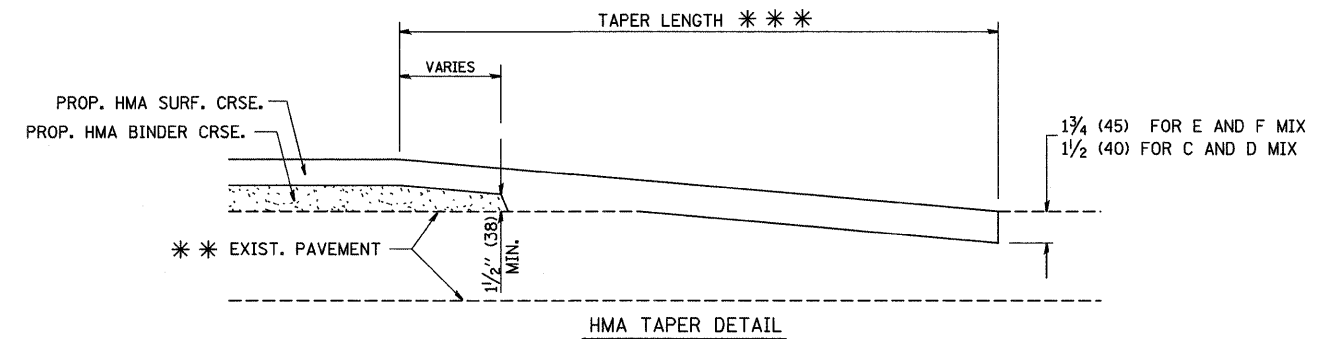


BUTT JOINT AND
HMA TAPER

**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.

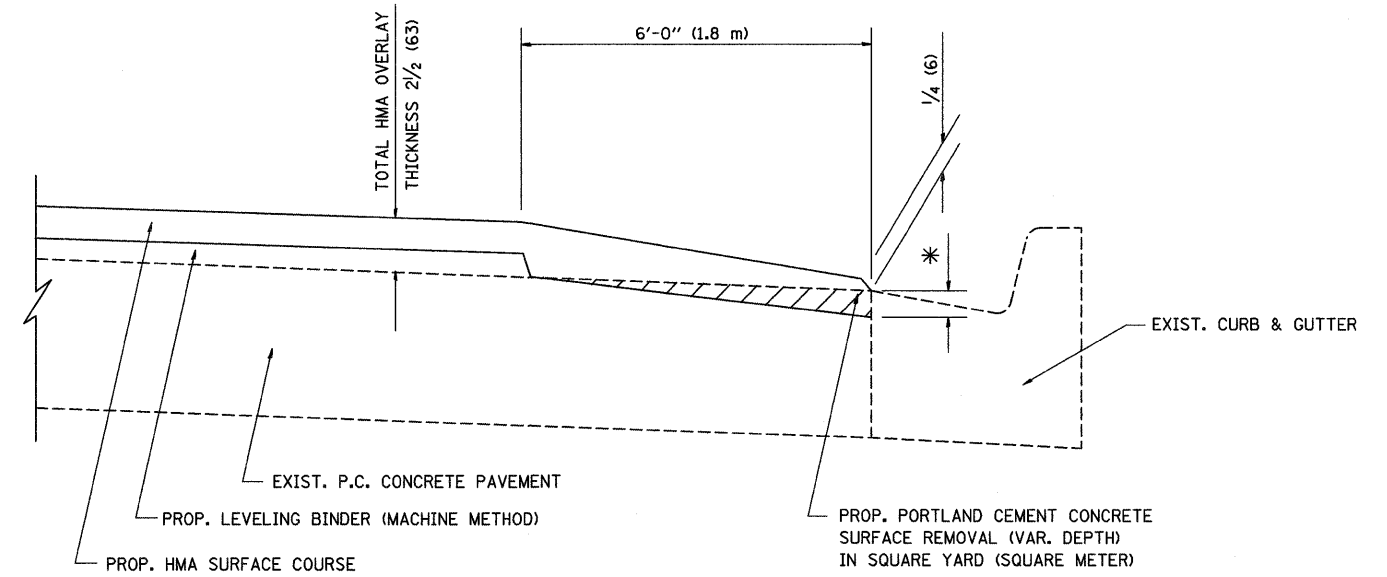
FILE NAME = K:\11225514\Hicks Road\Cad\District 1 Details\Details.pdf	USER NAME = geglencbt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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F.A. RTE. 2592	SECTION 0531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 17
BD400-05 BD32			CONTRACT NO. 60H34	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

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

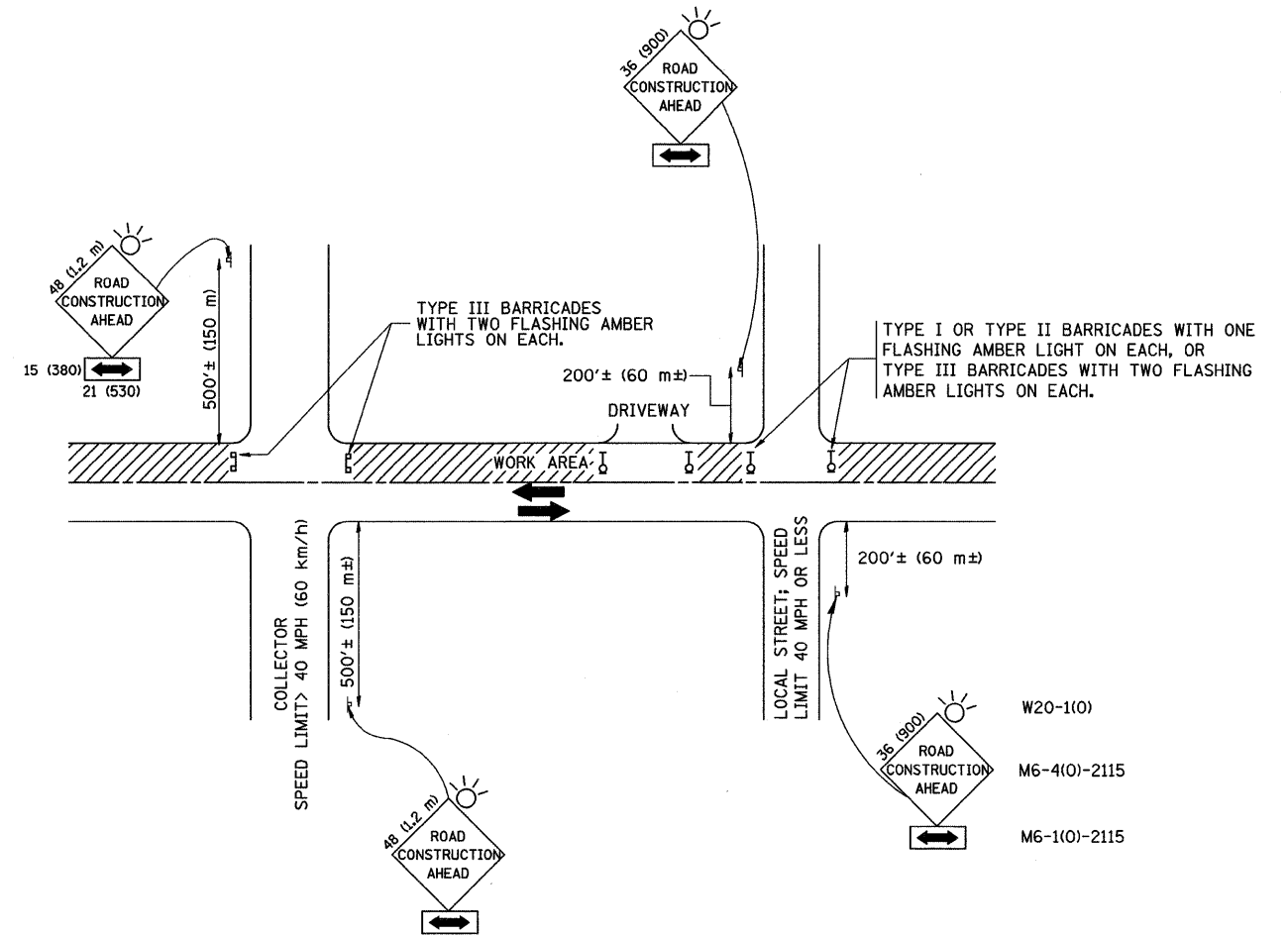
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN - JIS	REVISED - A. ABBAS 05-05-99
	PLOT SCALE = 50,0000' / IN.	CHECKED - A. ABBAS	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 1/4/2008	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. RTE. 2592	SECTION 0531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 18
BD400-06 (BD33)		CONTRACT NO. 60H34		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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

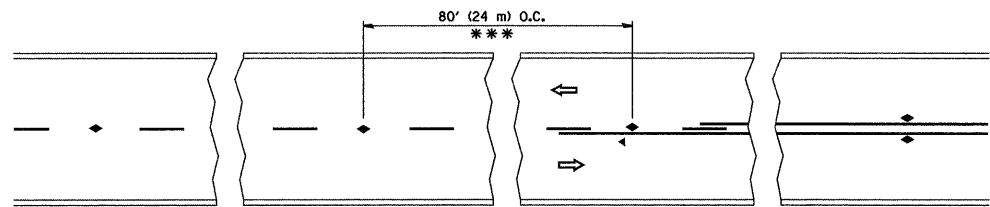
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

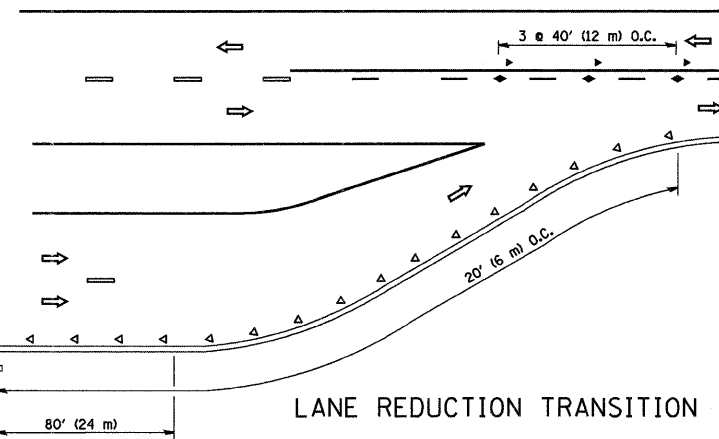
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F.A. RTE. 2592	SECTION 0531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 19
TC-10			CONTRACT NO. 60H34	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

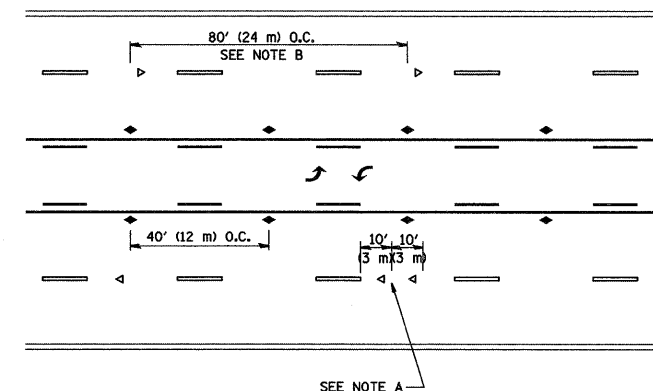


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

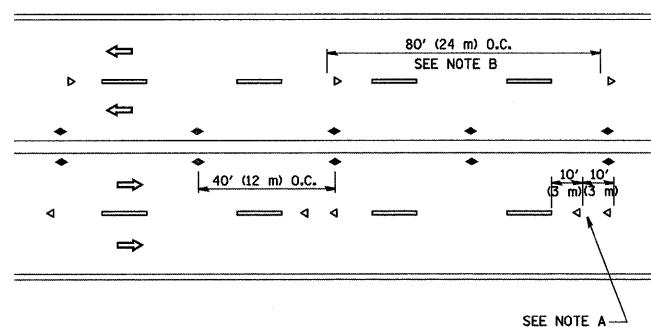


LANE REDUCTION TRANSITION

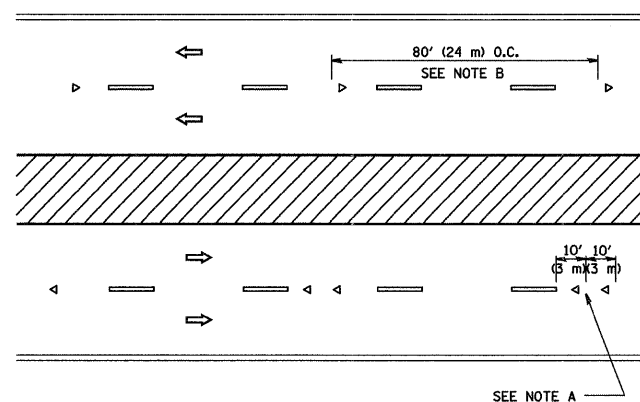


SEE NOTE A

TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

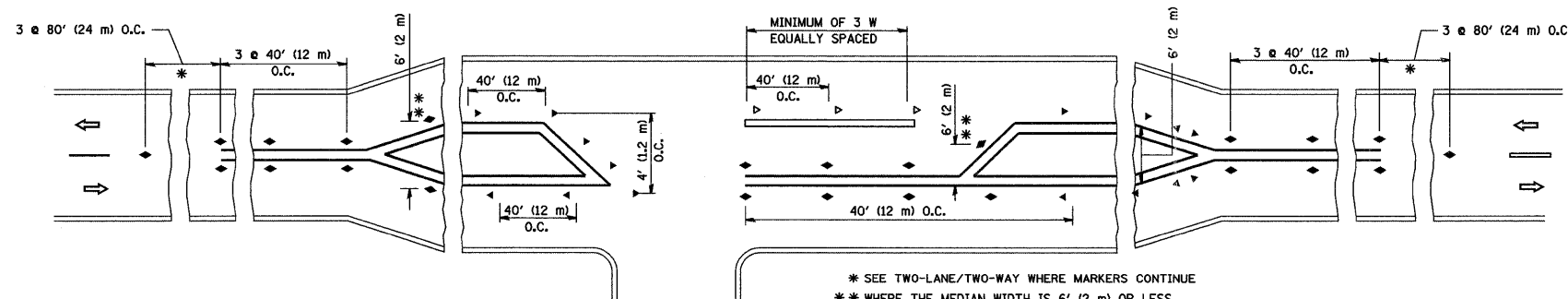
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

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

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DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

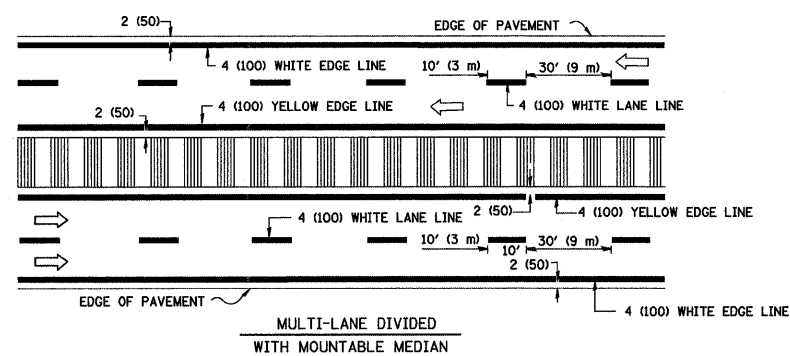
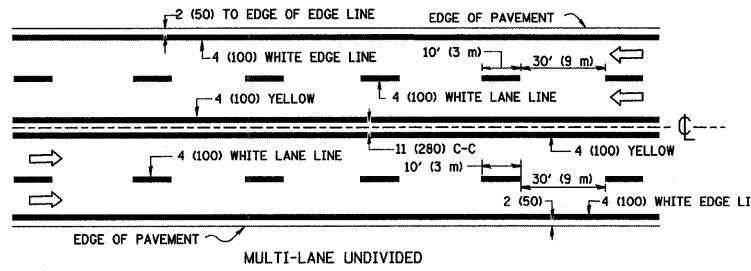
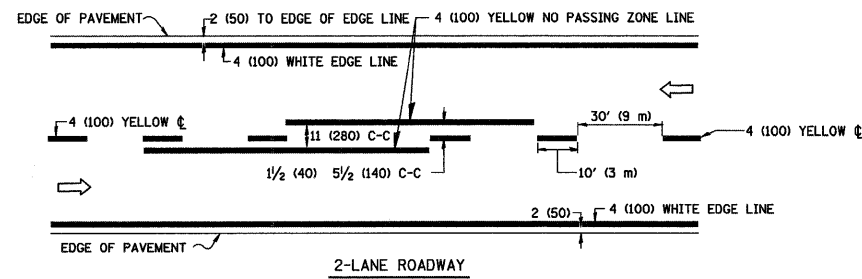
REVISED - T. RAMMACHER 09-19-94
 REVISED - T. RAMMACHER 03-12-99
 REVISED - T. RAMMACHER 01-06-00
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

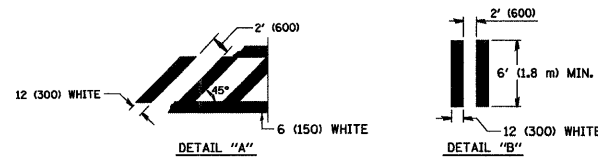
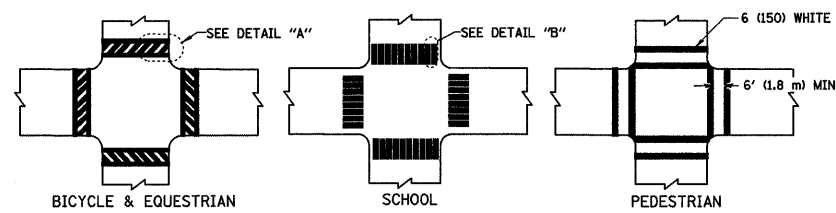
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11			CONTRACT NO. 60H34	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

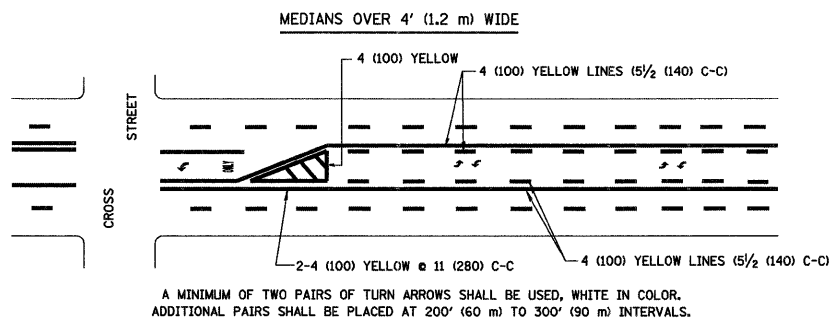
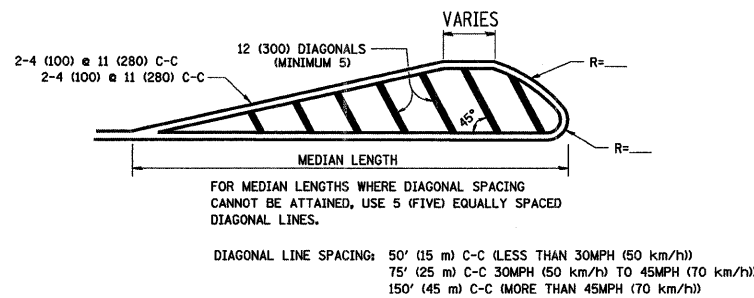
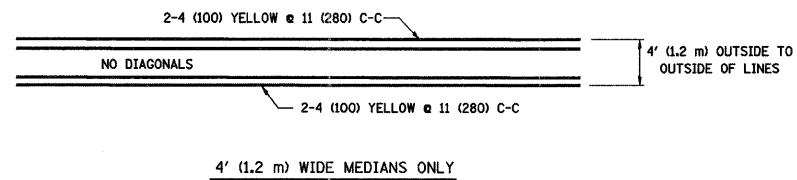


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

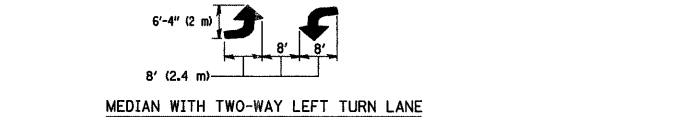
TYPICAL LANE AND EDGE LINE MARKING



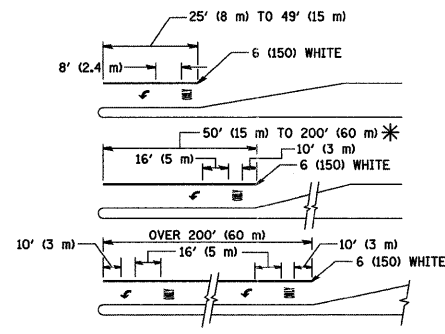
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



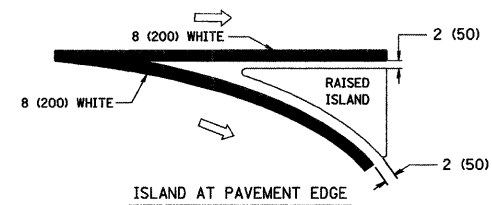
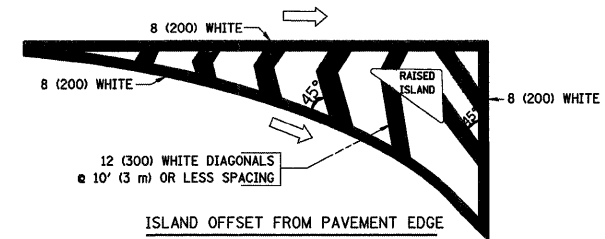
TYPICAL TURN LANE MARKING



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 ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 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 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=84.0 SQ. FT. (8.0 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))

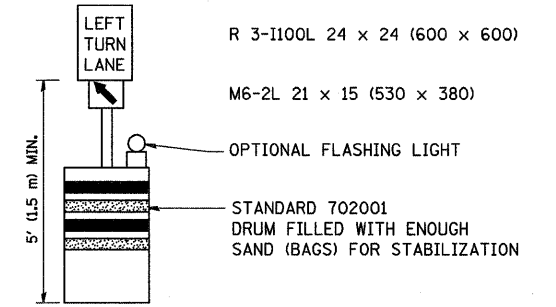
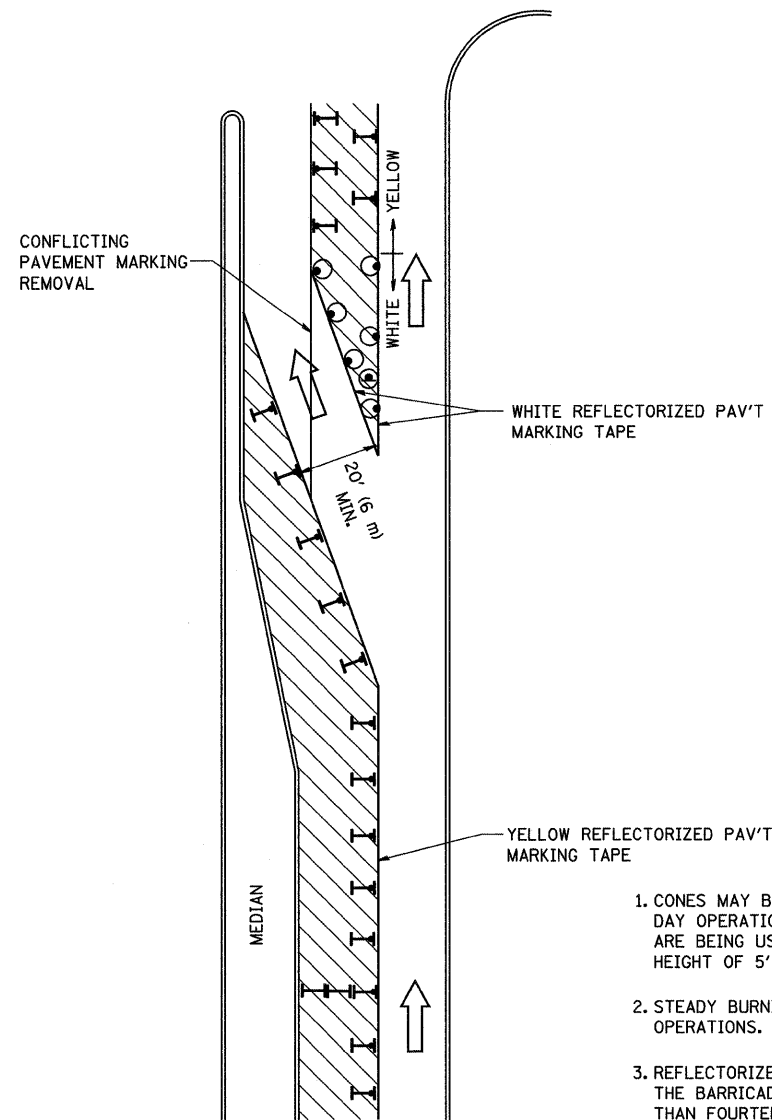
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE. 2592	SECTION 0531 RS-2	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 21
TYPICAL PAVEMENT MARKINGS		TC-13		CONTRACT NO. 60H34		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		









GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM 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.

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

LEGEND

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

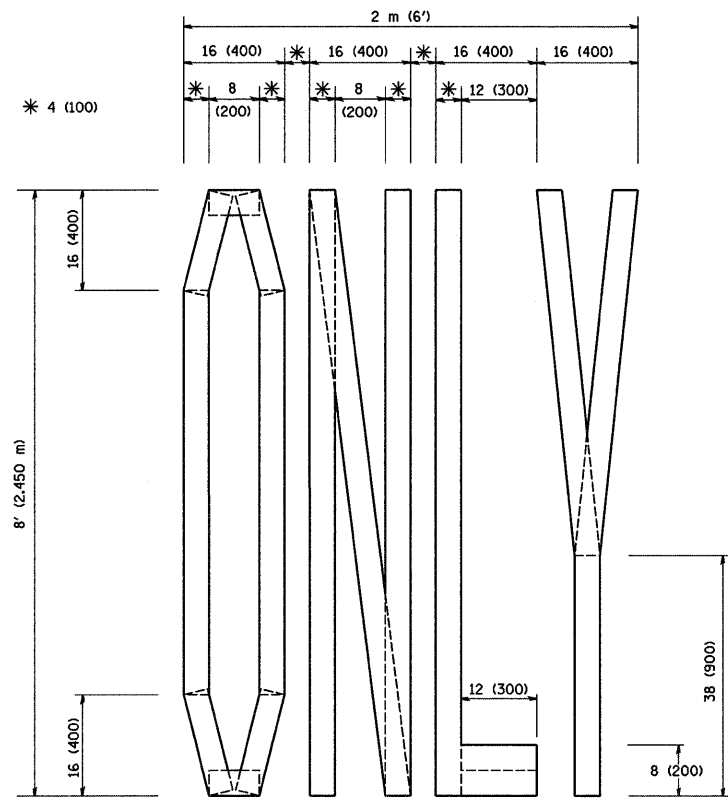
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

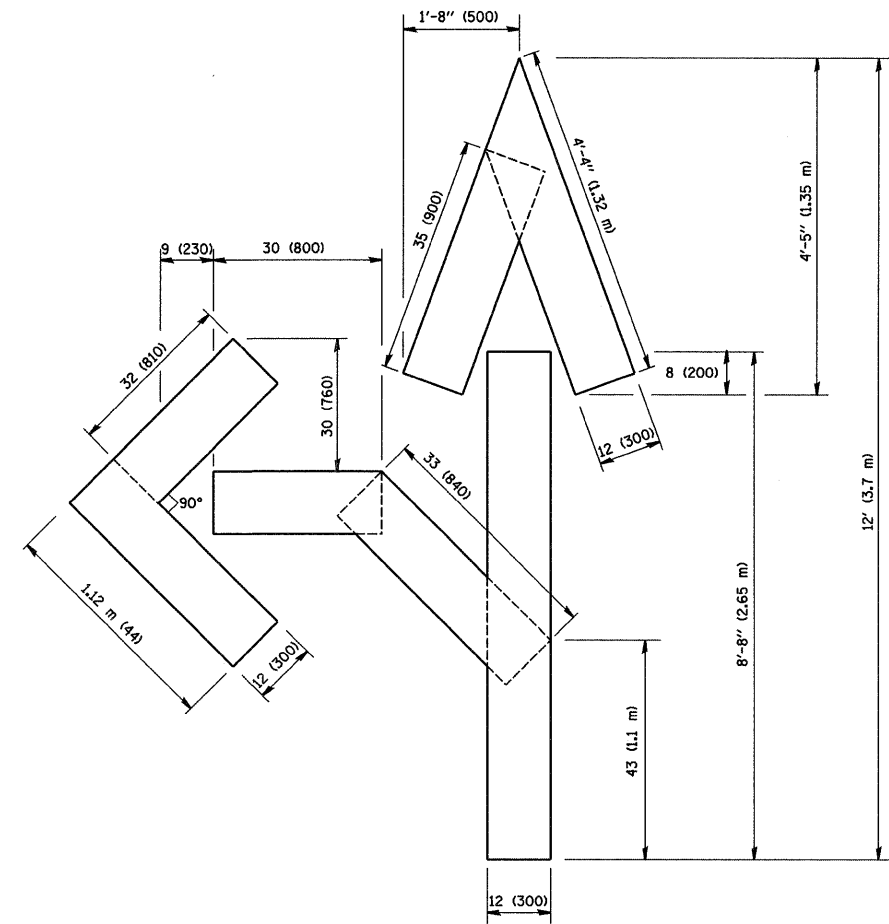
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

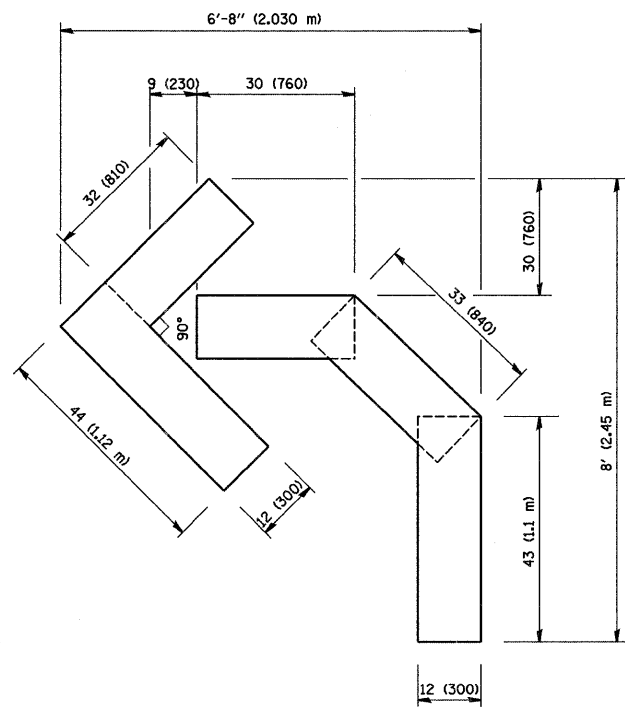
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TC-14			CONTRACT NO. 60H34	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



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



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

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

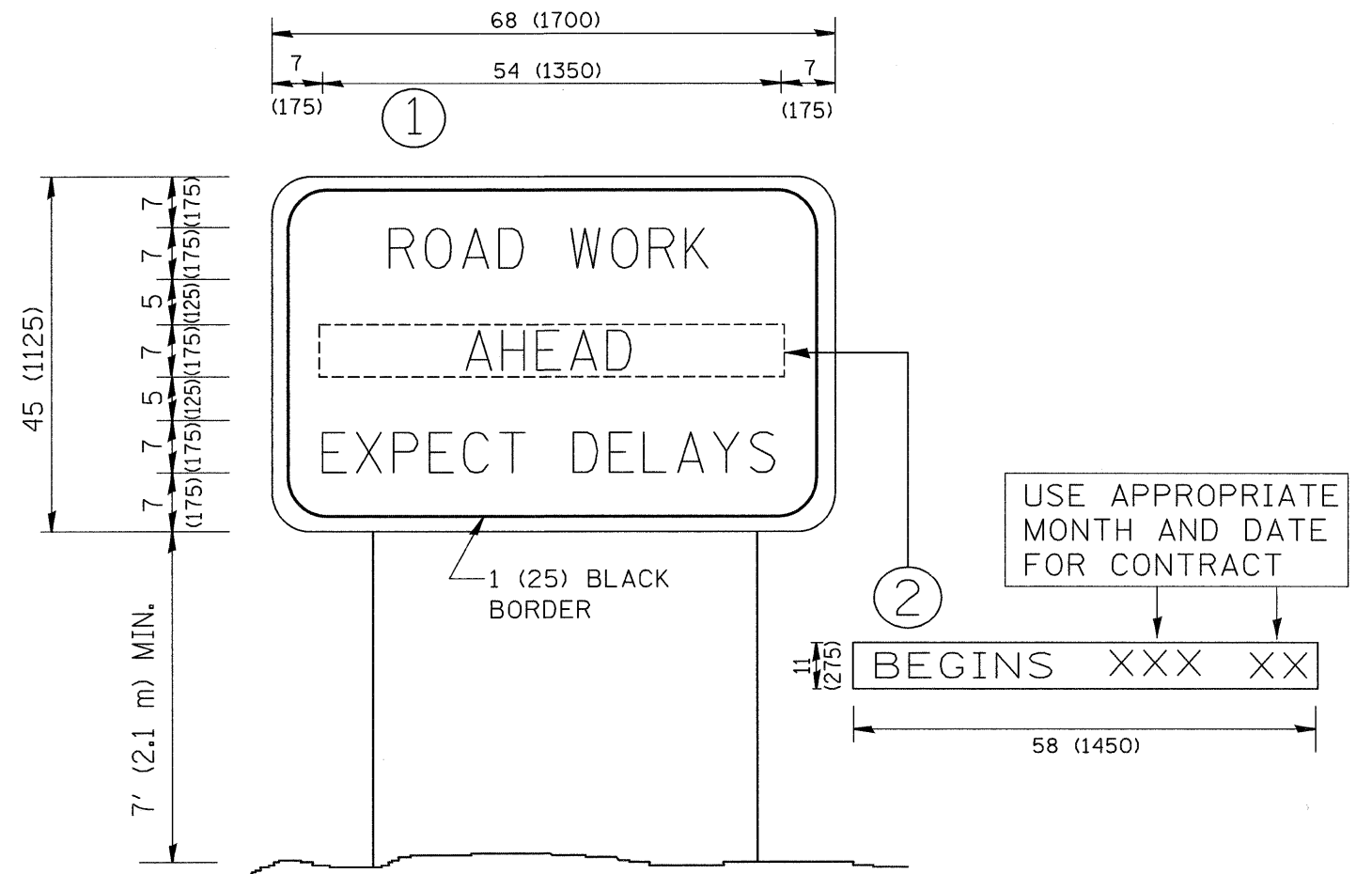
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	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	0531 RS-2	COOK	26	23
TC-16			CONTRACT NO. 60H34	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

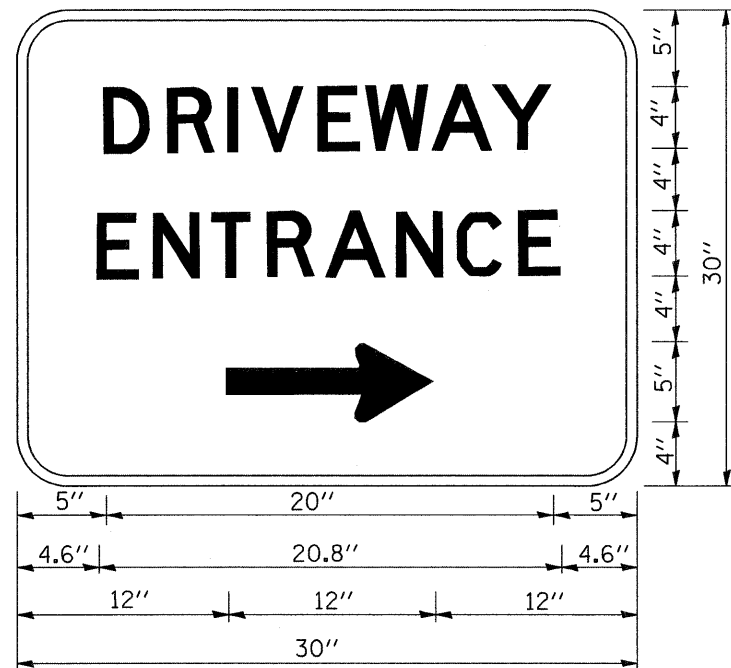
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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUICIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	0531 RS-2	COOK	26	24
TC-22			CONTRACT NO. 60H34	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

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

FILE NAME =
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 Details\Details.pdf

USER NAME = geglienobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED -
PLOT DATE = 1/4/2008	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

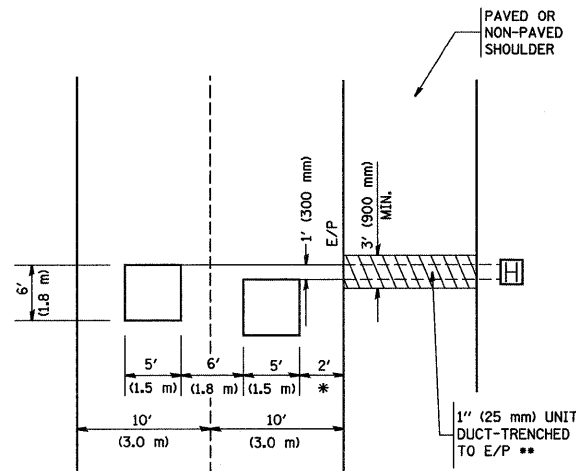
DRIVEWAY ENTRANCE SIGNING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	0531 RS-2	COOK	26	25
TC-26		CONTRACT NO. 60H34		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

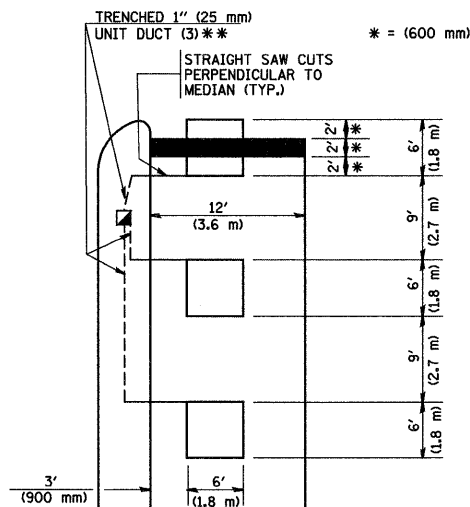


* = (600 mm)

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

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

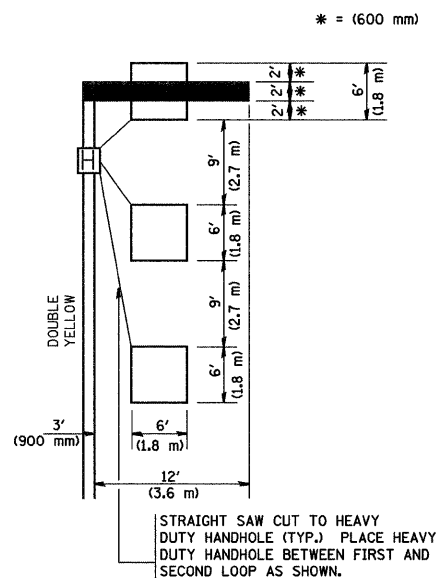
HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



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

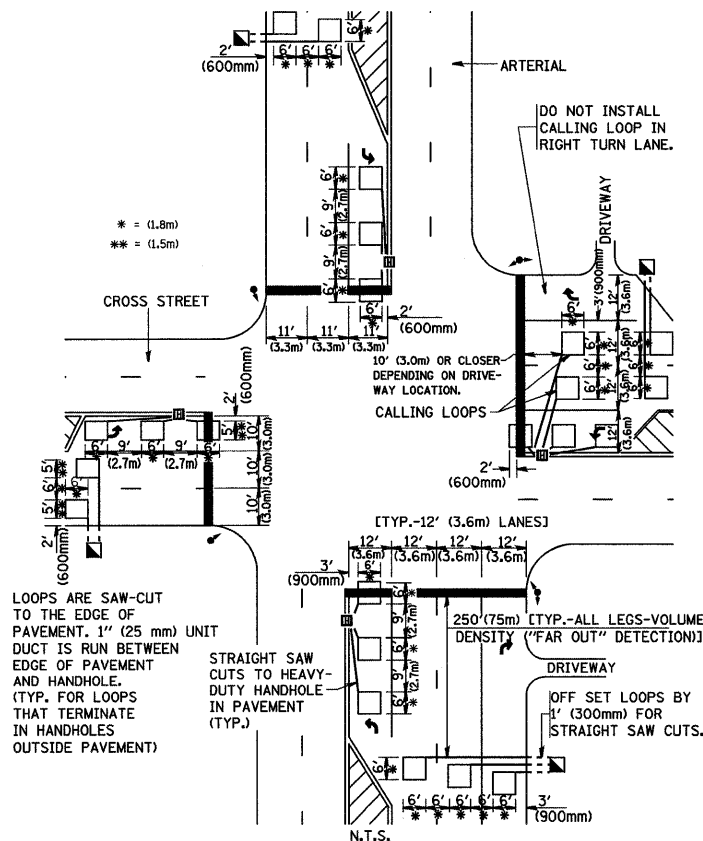
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



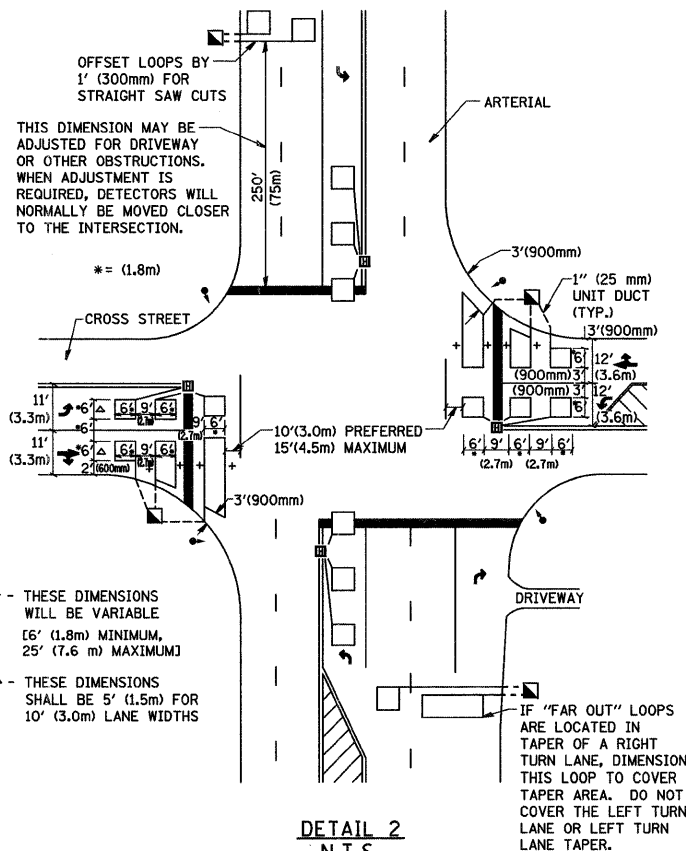
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



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

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



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

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR 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 LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

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

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

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DATE -

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REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2592	0531 RS-2	COOK	26	26
TS-07			CONTRACT NO. 60H34	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				