

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60H24	

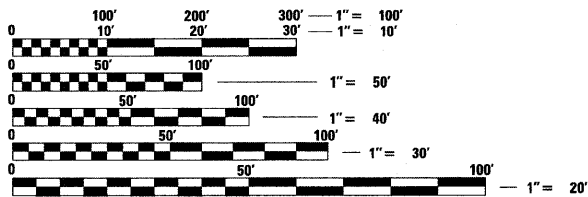
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PROPOSED**  
**HIGHWAY PLANS**  
**F.A.P. ROUTE 334: US RTE 12 (RAND ROAD)**  
**IL RTE 22 TO OLD RAND ROAD**  
**SECTION: SY-1-RS-4**  
**RESURFACING (3P)**  
**LAKE COUNTY**  
**C-91-594-09**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE VILLAGES OF LAKE ZURICH AND NORTH BARRINGTON

2007 ADT = 42,500 VEHICLES PER DAY  
SPEED LIMIT = 50 MPH

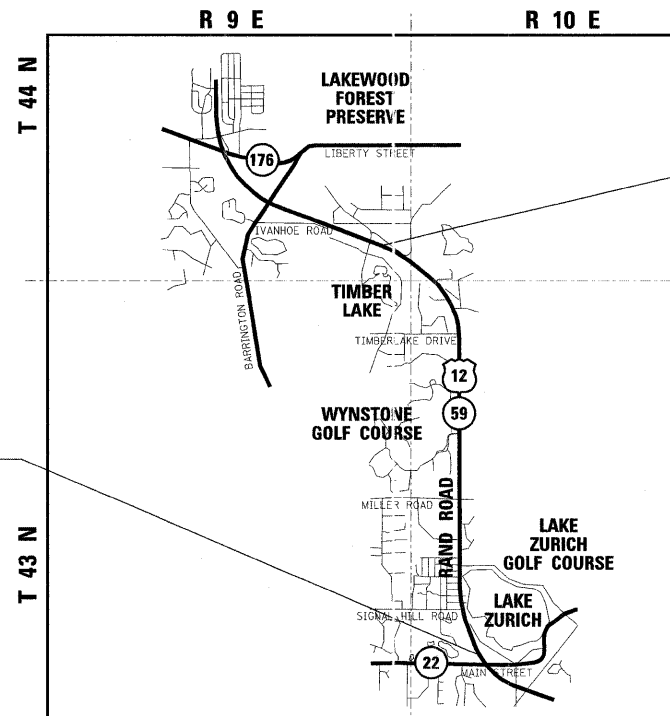


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 60H24



IMPROVEMENT  
BEGINS STA 39+21

IMPROVEMENT  
ENDS STA 240+54

OMISSION:  
STA 197+62 TO  
STA 206+56

ELA, WAUCONDA, AND FREMONT TOWNSHIPS

GROSS LENGTH OF PROJECT = 20,133 FT = 3.81 MILES  
NET LENGTH OF PROJECT = 19,039 FT = 3.61 MILES

**LOCATION MAP**  
NOT TO SCALE

D-91-594-09



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED April 20 20 09  
*Dir. Office*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

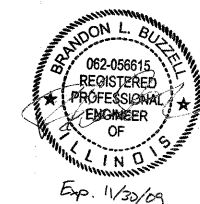
May 1, 20 09  
Charles E. Ingersoll  
ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 20 09  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**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
4-5	TYPICAL SECTIONS
6-12	PLAN AND PAVEMENT MARKING DETAILS
13-16	DETECTOR LOOP REPLACEMENT PLANS
17	FRAMES AND LIDS ADJUSTMENT WITH MILLING
18	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
19	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
20	BUTT JOINTS AND HMA TAPER DETAILS
21	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
22	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
23	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
24	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
25	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
26	ARTERIAL ROAD INFORMATION SIGN
27	DRIVEWAY ENTRANCE SIGNING
28	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
482011-03	HMA SHOULDER STRIPS WITH RESURFACING OR WIDENING RESURFACING PROJECTS
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS ≥ 45 MPH
701602-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
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 MS. DEBBIE HANLON, THE TRAFFIC FIELD ENGINEER, @ 847-438-2300 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 ABUTTING 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.

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200 West Front Street  
Wheaton, IL 60187

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CHECKED -	MAK	REVISED -	---
DATE -	4/13/2009	REVISED -	---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US RTE 12 (RAND RD)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	2
<b>CONTRACT NO. 60H24</b>				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. \_\_\_ OF 28 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN	
			100% STATE TOTAL QUANTITY	CONSTRUCTION TYPE CODE 1000
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	115	115
40600300	AGGREGATE (PRIME COAT)	TON	574	574
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	23	23
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2,404	2,404
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	2,508	2,508
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	18,748	18,748
42001300	PROTECTIVE COAT	SQ YD	89	89
44000159	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"	SQ YD	191,303	191,303
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	400	400
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	11,193	11,193
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	600	600
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	800	800
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	500	500
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	8,800	8,800
55039700	STORM SEWERS TO BE CLEANED	FOOT	1,000	1,000
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	20	20
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	10	10
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,924	1,924
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,278	2,278
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	85,327	85,327
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	8,223	8,223
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	903	903
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	558	558
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	642	642
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,278	2,278
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	85,327	85,327
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	8,223	8,223

\* SPECIALTY ITEM

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN	
			100% STATE TOTAL QUANTITY	CONSTRUCTION TYPE CODE 1000
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	903	903
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	558	558
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	676	676
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	609	609
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,580	1,580
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	8,035	8,035
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	65	65

\* SPECIALTY ITEM

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200 West Front Street  
 Wheaton, IL 60187

DESIGNED - BLB  
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 CHECKED - MAK  
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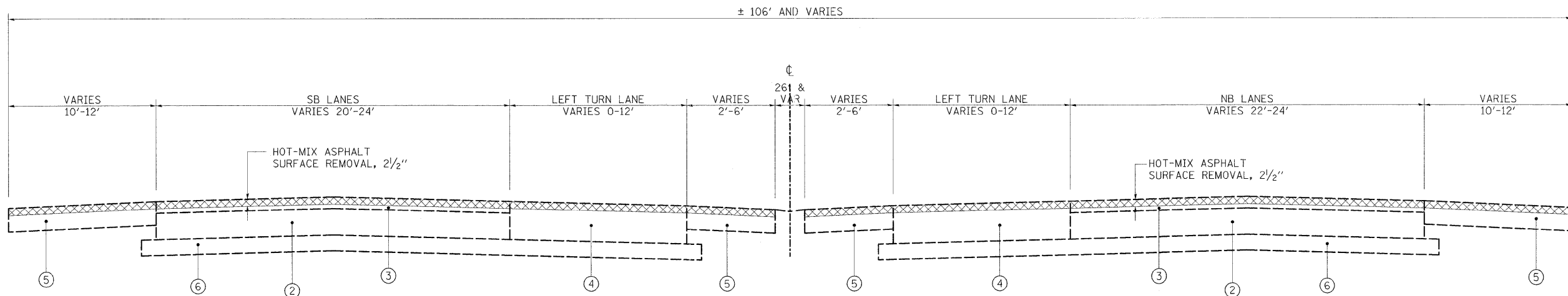
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US RTE 12 (RAND RD)

SUMMARY OF QUANTITIES

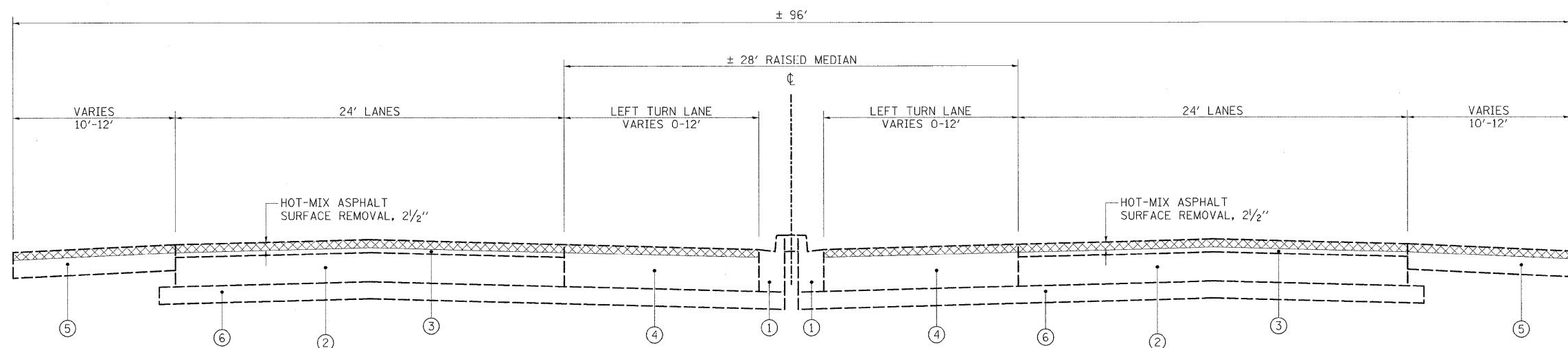
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CONTRACT NO. 60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 3 OF 28 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_



**EXISTING TYPICAL SECTION RAND ROAD**

STA. 83+50 TO STA. 240+54



**EXISTING TYPICAL SECTION RAND ROAD**

STA. 39+03 TO STA. 83+50

**LEGEND**

- ① EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- ② EXISTING PCC PAVEMENT, ±10"
- ③ EXISTING HOT-MIX ASPHALT PAVEMENT, ±4" (BEFORE SURFACE REMOVAL)
- ④ EXISTING HOT-MIX ASPHALT PAVEMENT, ±14" (BEFORE SURFACE REMOVAL)
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER, ±8" (BEFORE SURFACE REMOVAL)
- ⑥ EXISTING AGGREGATE BASE COURSE
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"

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200 West Front Street  
Wheaton, IL 60187

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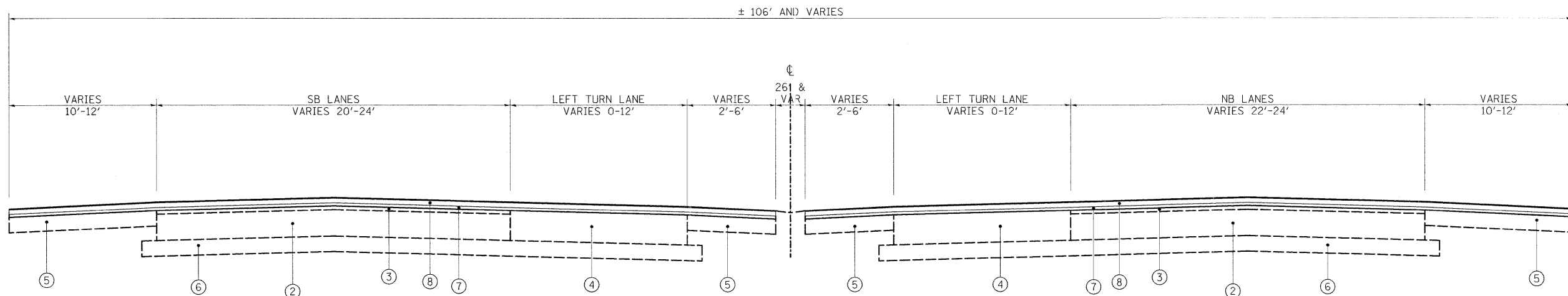
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US RTE 12 (RAND RD)

EXISTING  
TYPICAL SECTIONS

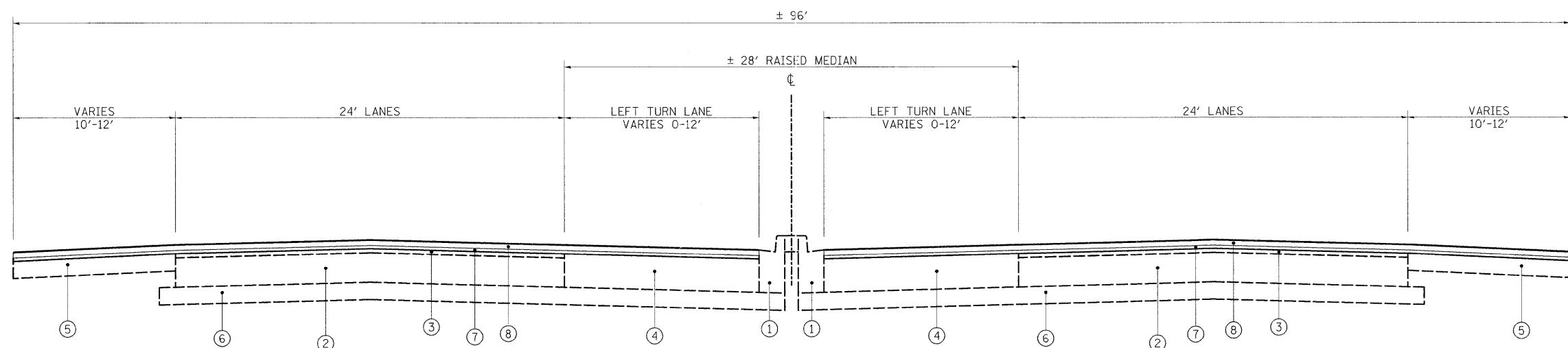
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334	SY-1-RS-4	LAKE	28	4
CONTRACT NO. 60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 4 OF 28 SHEETS STA. TO STA.



**PROPOSED TYPICAL SECTION RAND ROAD**

STA. 83+50 TO STA. 260+54



**PROPOSED TYPICAL SECTION RAND ROAD**

STA. 39+03 TO STA. 83+50

**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.
HMA REPLACEMENT OVER PATCHES (HMA BINDER, IL-19 mm)	PG 64-22*	4% @ 70 GYR.
CLASS D PATCH (HMA BINDER, IL-19 mm)	PG 64-22*	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ 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 PCC PAVEMENT, ±10"
- ③ EXISTING HOT-MIX ASPHALT PAVEMENT, ±4" (BEFORE SURFACE REMOVAL)
- ④ EXISTING HOT-MIX ASPHALT PAVEMENT, ±14" (BEFORE SURFACE REMOVAL)
- ⑤ EXISTING HOT-MIX ASPHALT SHOULDER, ±8" (BEFORE SURFACE REMOVAL)
- ⑥ EXISTING AGGREGATE BASE COURSE
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"

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200 West Front Street  
Wheaton, IL 60187

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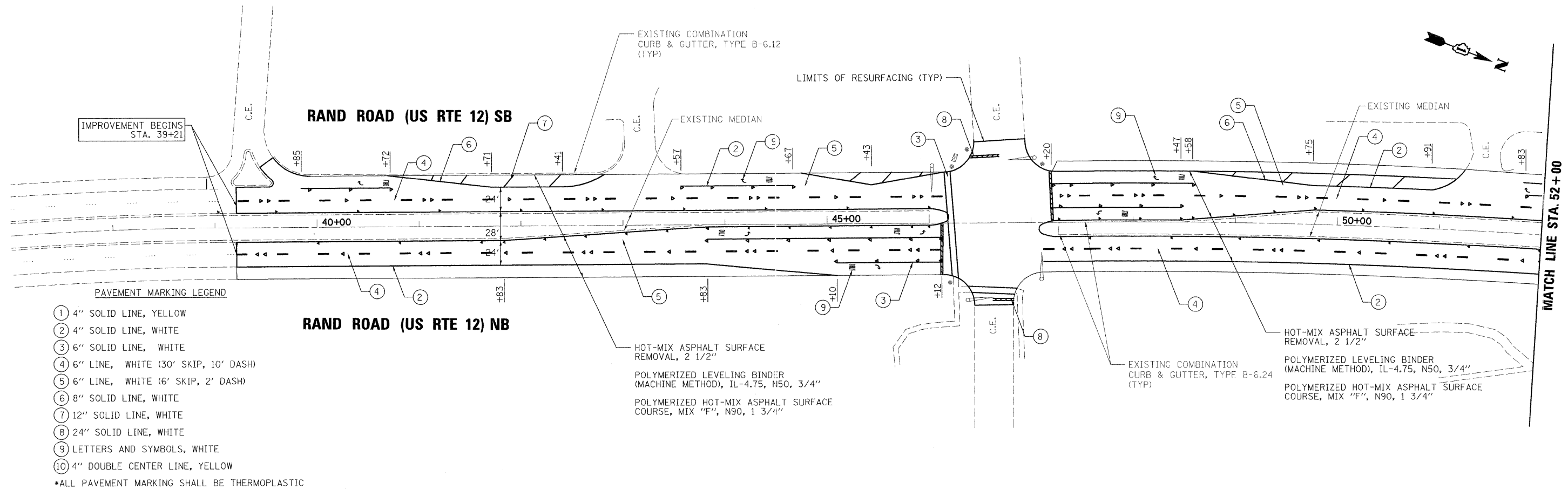
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US RTE 12 (RAND RD)

PROPOSED  
TYPICAL SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	5
CONTRACT NO.60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

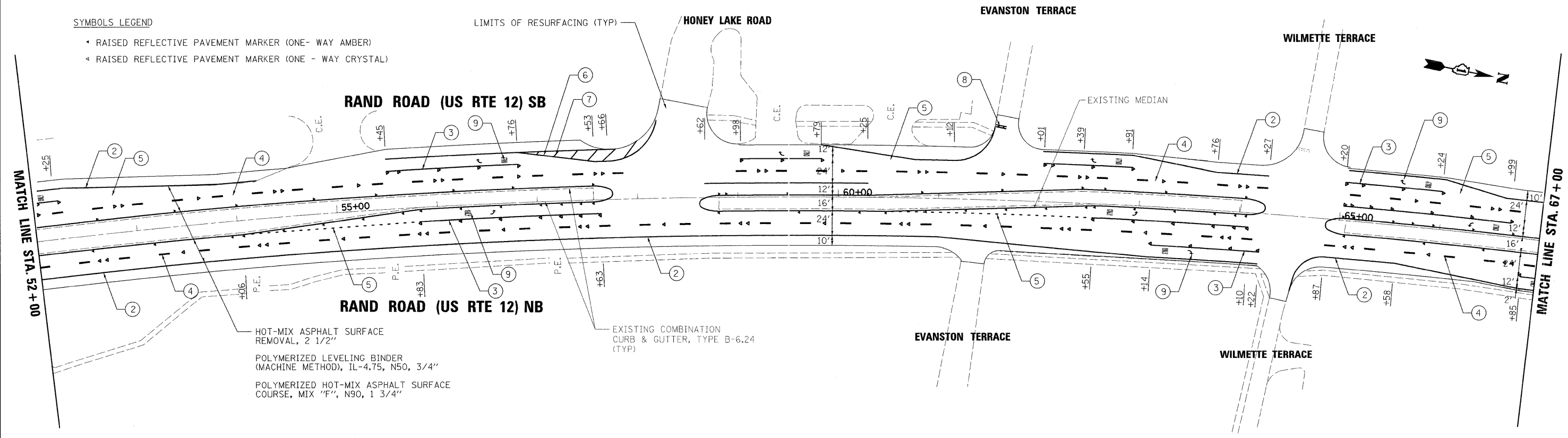
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- PAVEMENT MARKING LEGEND**
- ① 4" SOLID LINE, YELLOW
  - ② 4" SOLID LINE, WHITE
  - ③ 6" SOLID LINE, WHITE
  - ④ 6" LINE, WHITE (30' SKIP, 10' DASH)
  - ⑤ 6" LINE, WHITE (6' SKIP, 2' DASH)
  - ⑥ 8" SOLID LINE, WHITE
  - ⑦ 12" SOLID LINE, WHITE
  -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

- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"

- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"



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

- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"

- EXISTING COMBINATION CURB & GUTTER, TYPE B-6.24 (TYP)

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200 West Front Street  
Wheaton, IL 60187

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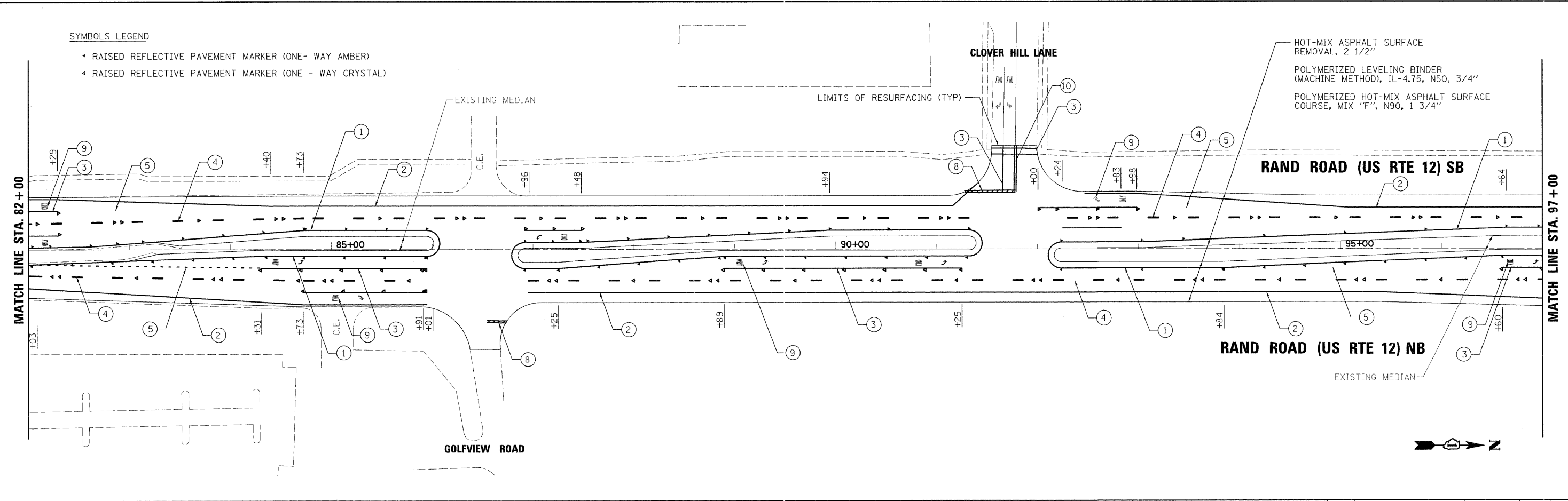
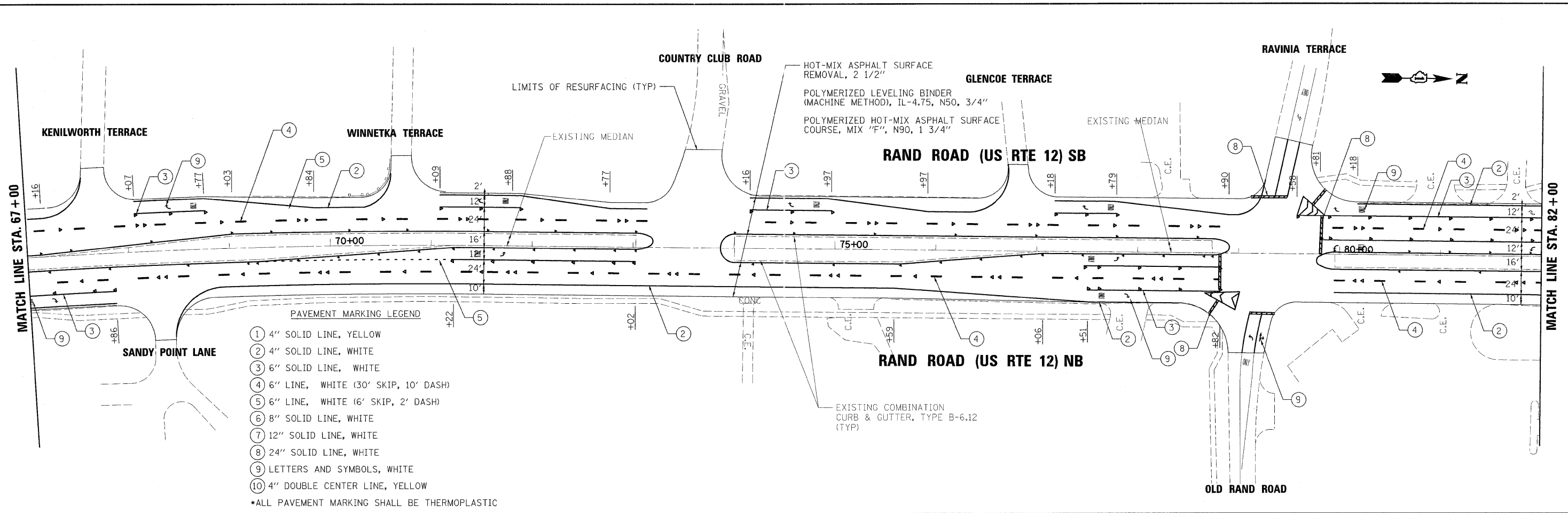
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US RTE 12 (RAND RD)**

**PLAN AND  
PAVEMENT MARKING DETAILS**

SCALE: 1"=50' SHEET NO. 6 OF 28 SHEETS STA.37+00 TO STA.67+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	6
CONTRACT NO.60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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200 West Front Street  
Wheaton, IL 60187

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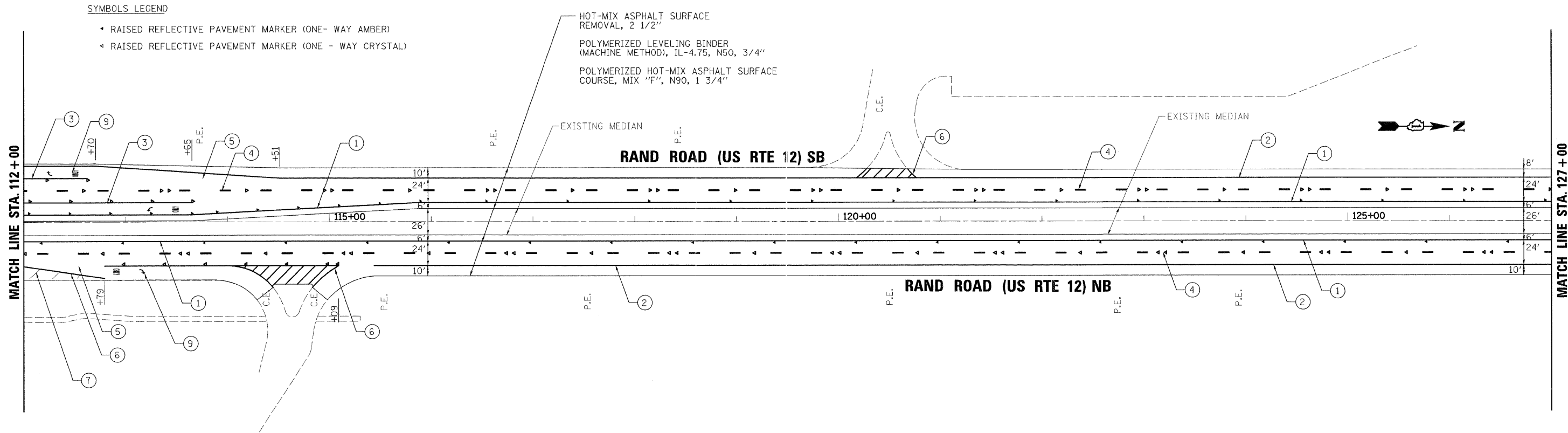
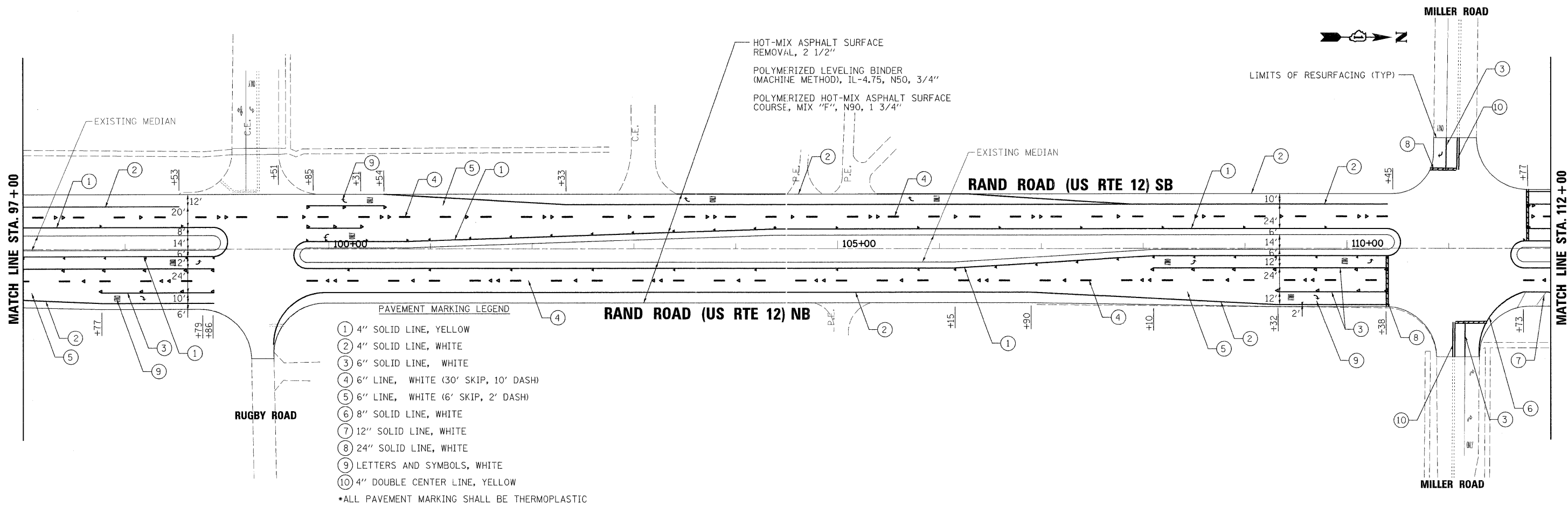
STATE OF ILLINOIS  
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US RTE 12 (RAND RD)

PLAN AND  
 PAVEMENT MARKING DETAILS

SCALE: 1"=50' SHEET NO. 7 OF 28 SHEETS STA.67+00 TO STA.97+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	7
CONTRACT NO.60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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200 West Front Street  
 Wheaton, IL 60187

DESIGNED -	BLB	REVISED -	
DRAWN -	JMT	REVISED -	
CHECKED -	MAK	REVISED -	
DATE -	4/13/2009	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

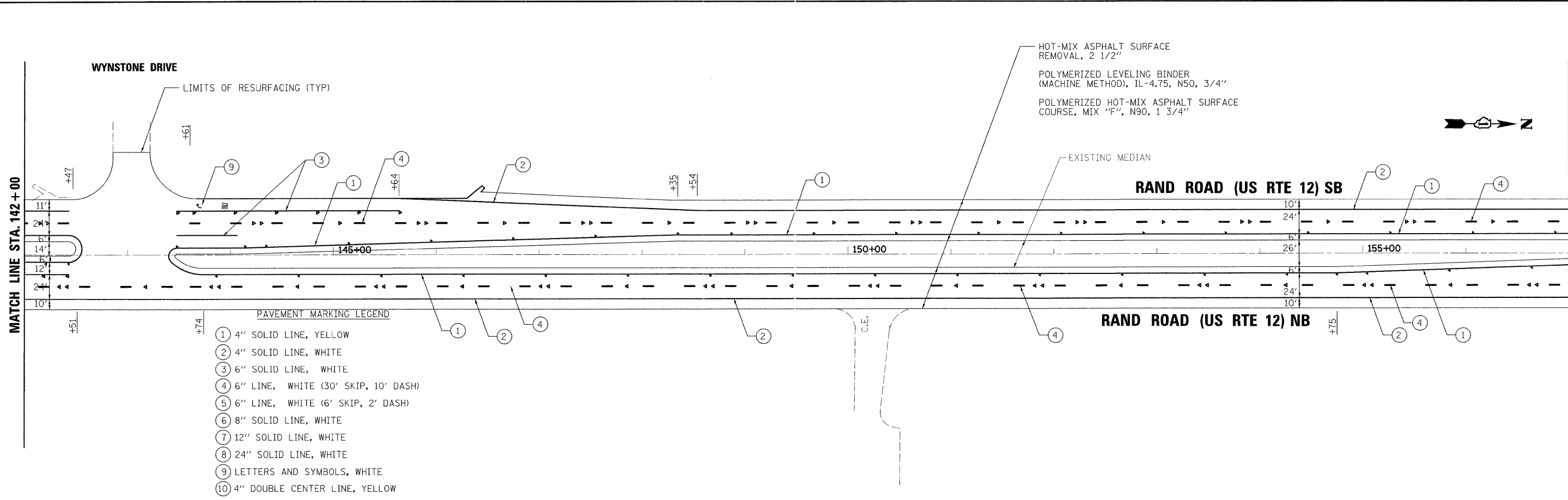
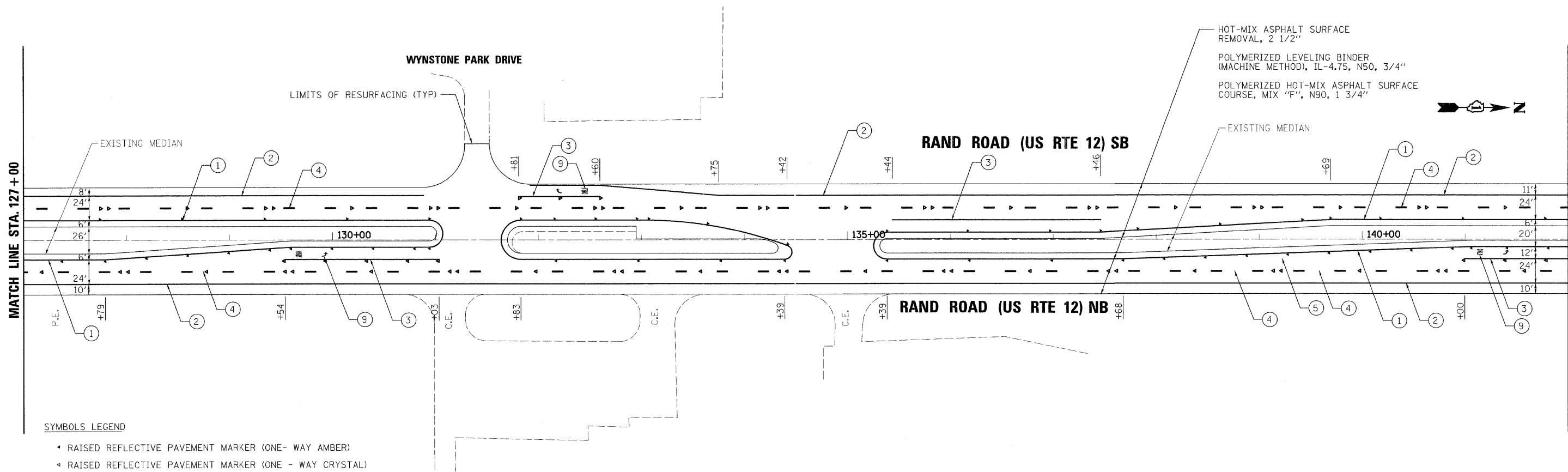
US RTE 12 (RAND RD)

PLAN AND  
 PAVEMENT MARKING DETAILS

SCALE: 1"=50' SHEET NO. 8 OF 28 SHEETS STA.97+00 TO STA.127+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	8
CONTRACT NO.60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





PLOT DATE = 4/20/2009  
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200 West Front Street  
 Wheaton, IL 60187

DESIGNED -	BLB	REVISED -	
DRAWN -	JMT	REVISED -	
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DATE -	4/13/2009	REVISED -	

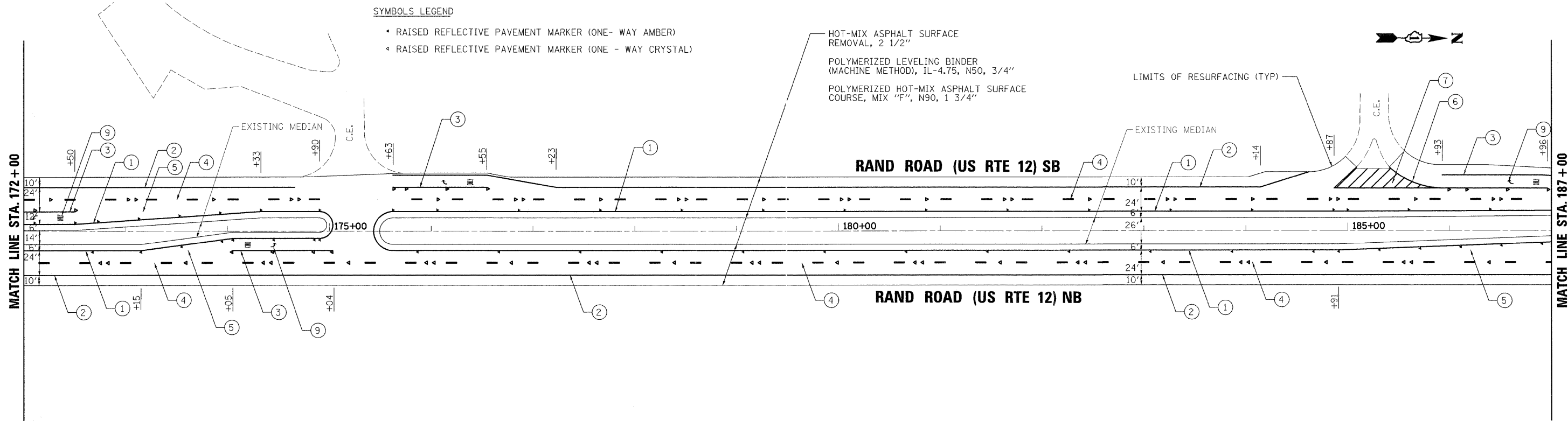
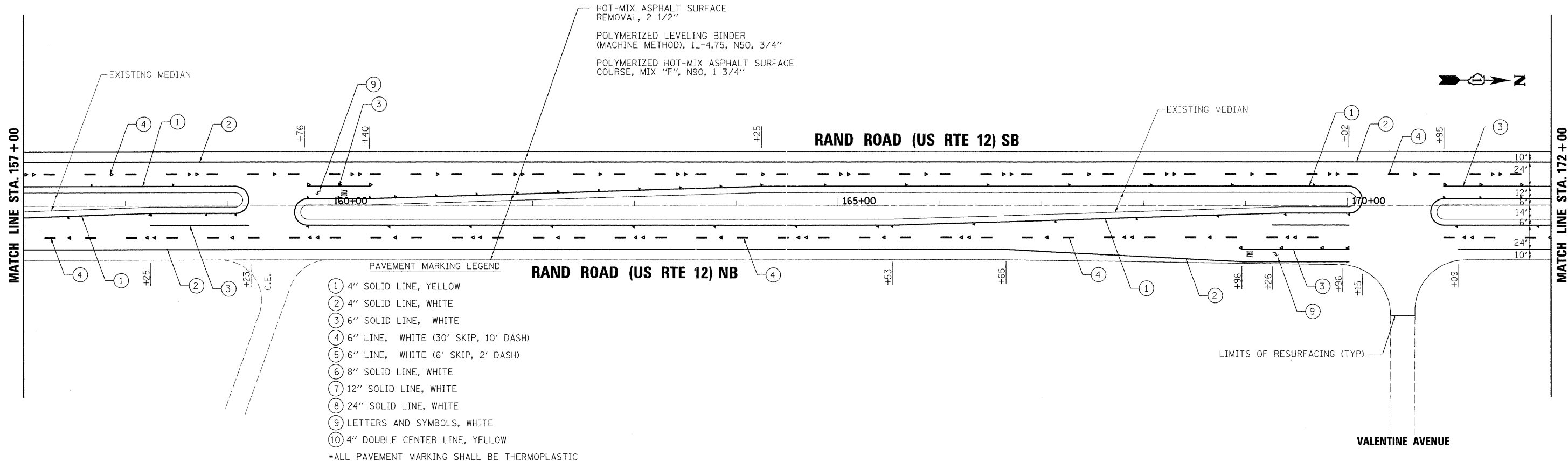
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US RTE 12 (RAND RD)**

**PLAN AND  
 PAVEMENT MARKING DETAILS**

SCALE: 1"=50' SHEET NO. 9 OF 28 SHEETS STA.127+00 TO STA.157+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	9
CONTRACT NO.60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLOT DATE = 4/20/2009  
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 MODEL = Defaul2



200 West Front Street  
 Wheaton, IL 60187

DESIGNED - BLB	REVISED -
DRAWN - JMT	REVISED -
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DATE - 4/13/2009	REVISED -

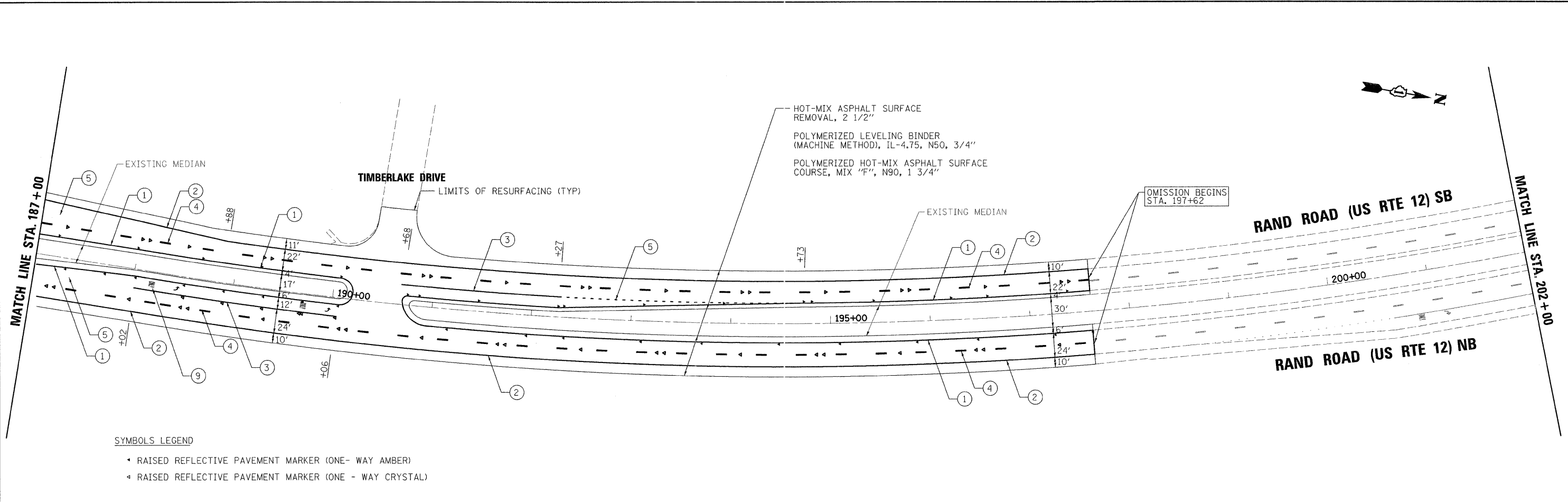
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US RTE 12 (RAND RD)**

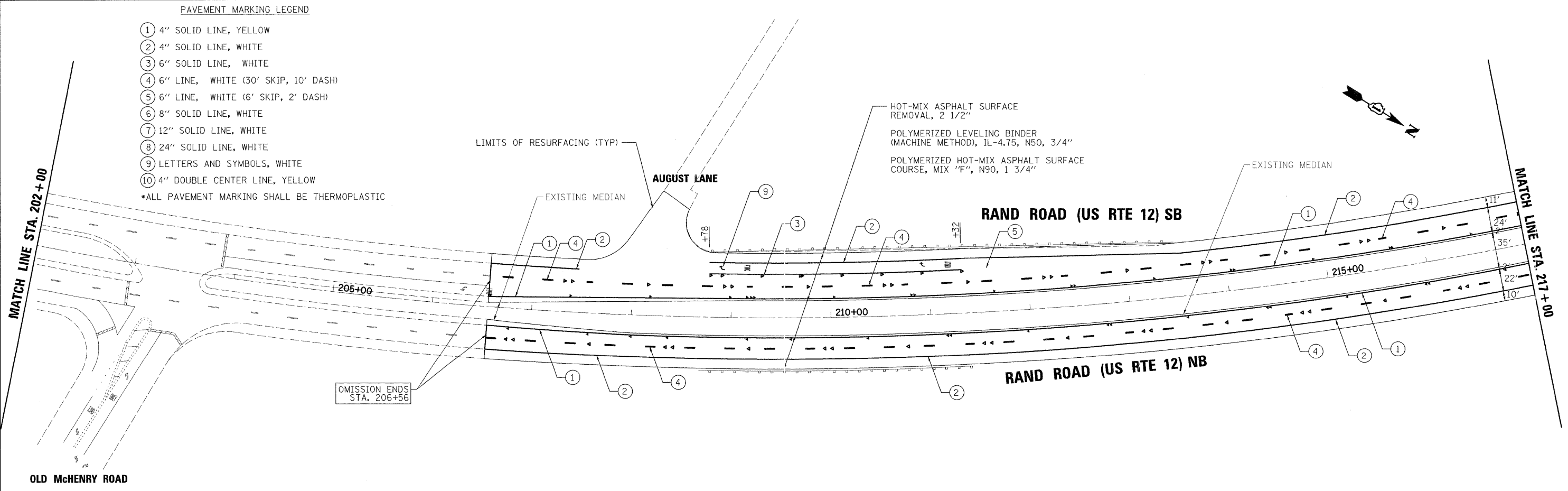
**PLAN AND  
 PAVEMENT MARKING DETAILS**

SCALE: 1"=50' SHEET NO. 10 OF 28 SHEETS STA.157+00 TO STA.187+00

F.A.P. RTE. 334	SECTION SY-1-RS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 10
CONTRACT NO.60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



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

PLOT DATE = 4/20/2009  
 FILE NAME = k:\11225514\rand\_road\_south\cad\sheet\RandSouth-06.dgn  
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 PLOT SHEETS = 28  
 MODEL NAME = Defaul2



200 West Front Street  
Wheaton, IL 60187

DESIGNED -	BLB	REVISED -	
DRAWN -	JMT	REVISED -	
CHECKED -	MAK	REVISED -	
DATE -	4/13/2009	REVISED -	

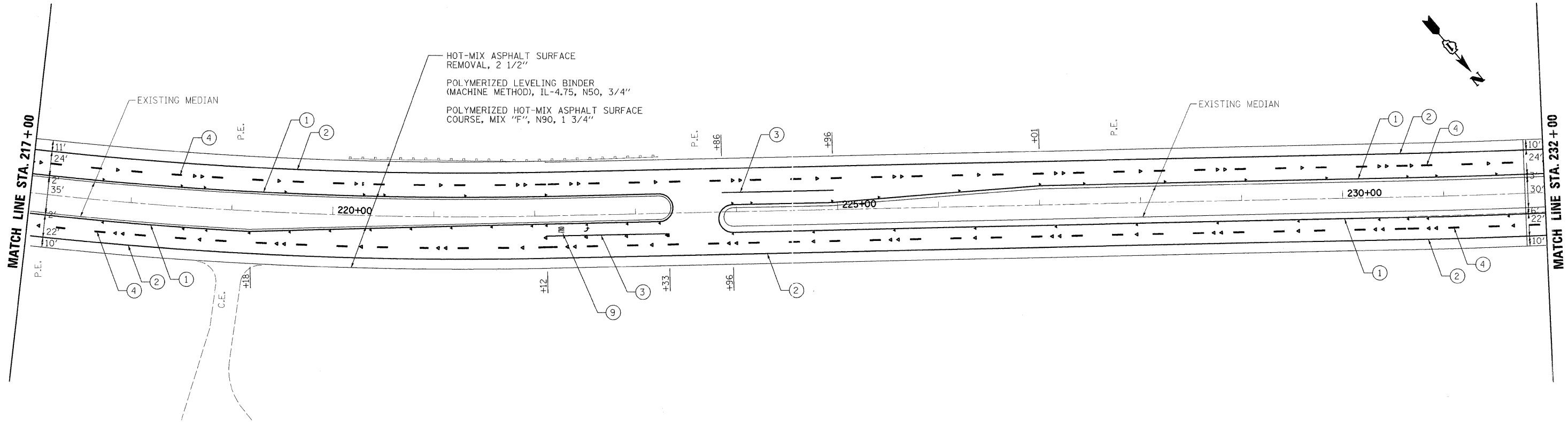
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US RTE 12 (RAND RD)**

**PLAN AND  
PAVEMENT MARKING DETAILS**

SCALE: 1"=50' SHEET NO. 11 OF 28 SHEETS STA.187+00 TO STA.217+00

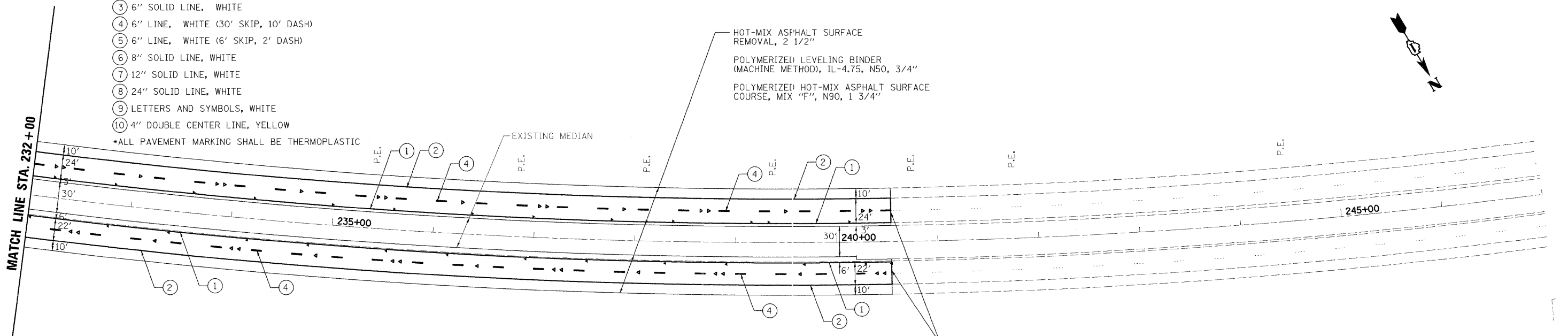
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	11
CONTRACT NO.60H24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- ① 4" SOLID LINE, YELLOW
- ② 4" SOLID LINE, WHITE
- ③ 6" SOLID LINE, WHITE
- ④ 6" LINE, WHITE (30' SKIP, 10' DASH)
- ⑤ 6" LINE, WHITE (6' SKIP, 2' DASH)
- ⑥ 8" SOLID LINE, WHITE
- ⑦ 12" SOLID LINE, WHITE
- ⑧ 24" SOLID LINE, WHITE
- ⑨ LETTERS AND SYMBOLS, WHITE
- ⑩ 4" DOUBLE CENTER LINE, YELLOW

\*ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC



**SYMBOLS LEGEND**

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

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 USER NAME = jlobenberg  
 MODEL = DwgPlot



200 West Front Street  
Wheaton, IL 60187

DESIGNED -	BLB	REVISED -	---
DRAWN -	JMT	REVISED -	---
CHECKED -	MAK	REVISED -	---
DATE -	4/13/2009	REVISED -	---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US RTE 12 (RAND RD)**

**PLAN AND  
PAVEMENT MARKING DETAILS**

SCALE: 1"=50'

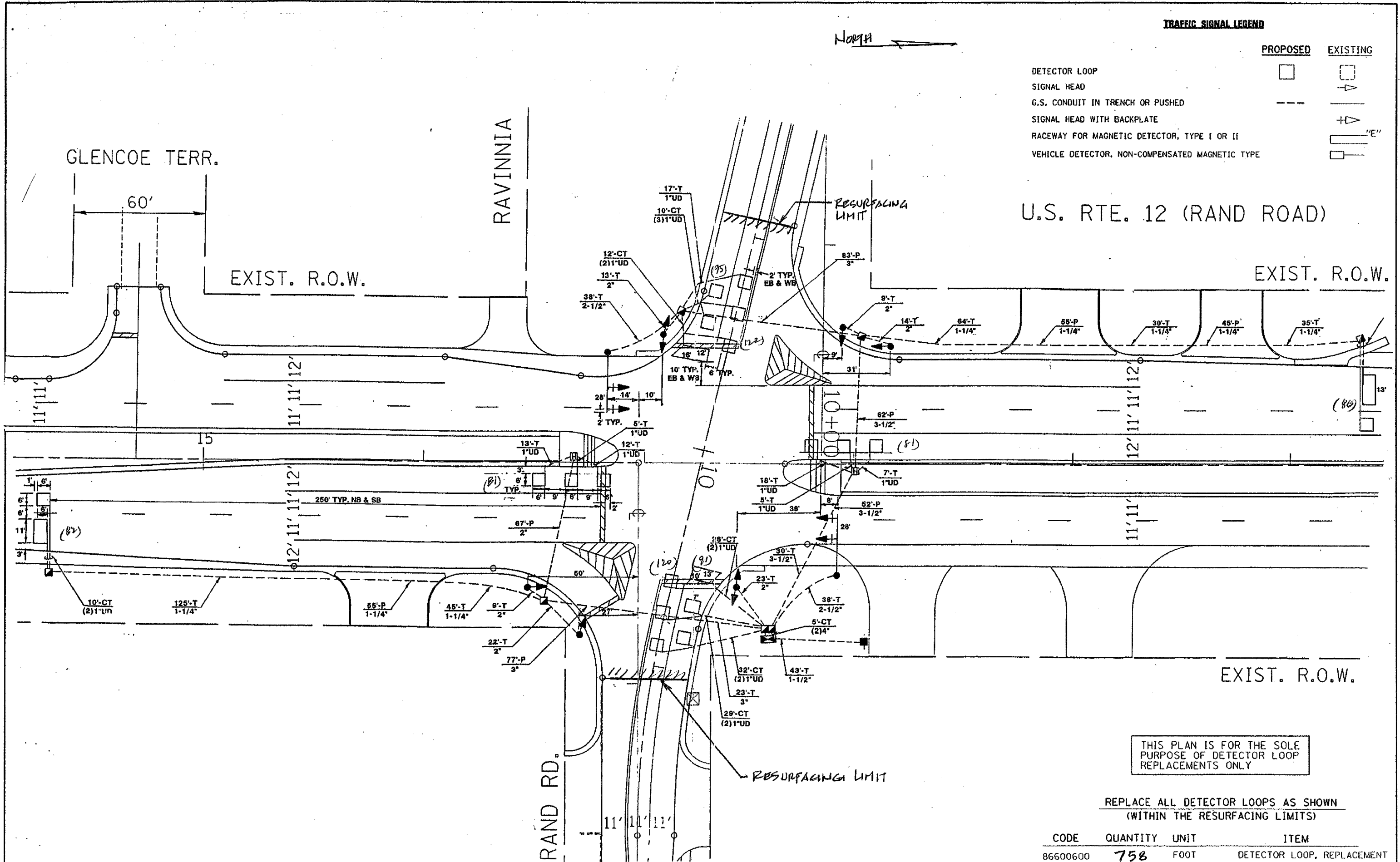
SHEET NO. 12 OF 28 SHEETS

STA. 217+00 TO STA. 247+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	SY-1-RS-4	LAKE	28	12
CONTRACT NO. 60H24				
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	758	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kenthaphixaybo	DESIGNED - BCK	REVISED -
or\pwwork\PHOOT\KANTHAPHIXAYBO\d01126	4\traffico.legend.v7.dgn	DRAWN - BCK	REVISED -
	PLOT SCALE = 3/4" = 1'-0"	CHECKED - DAD	REVISED -
	PLOT DATE = 4/3/2001	DATE	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
U.S. ROUTE 12 @ OLD RAND ROAD

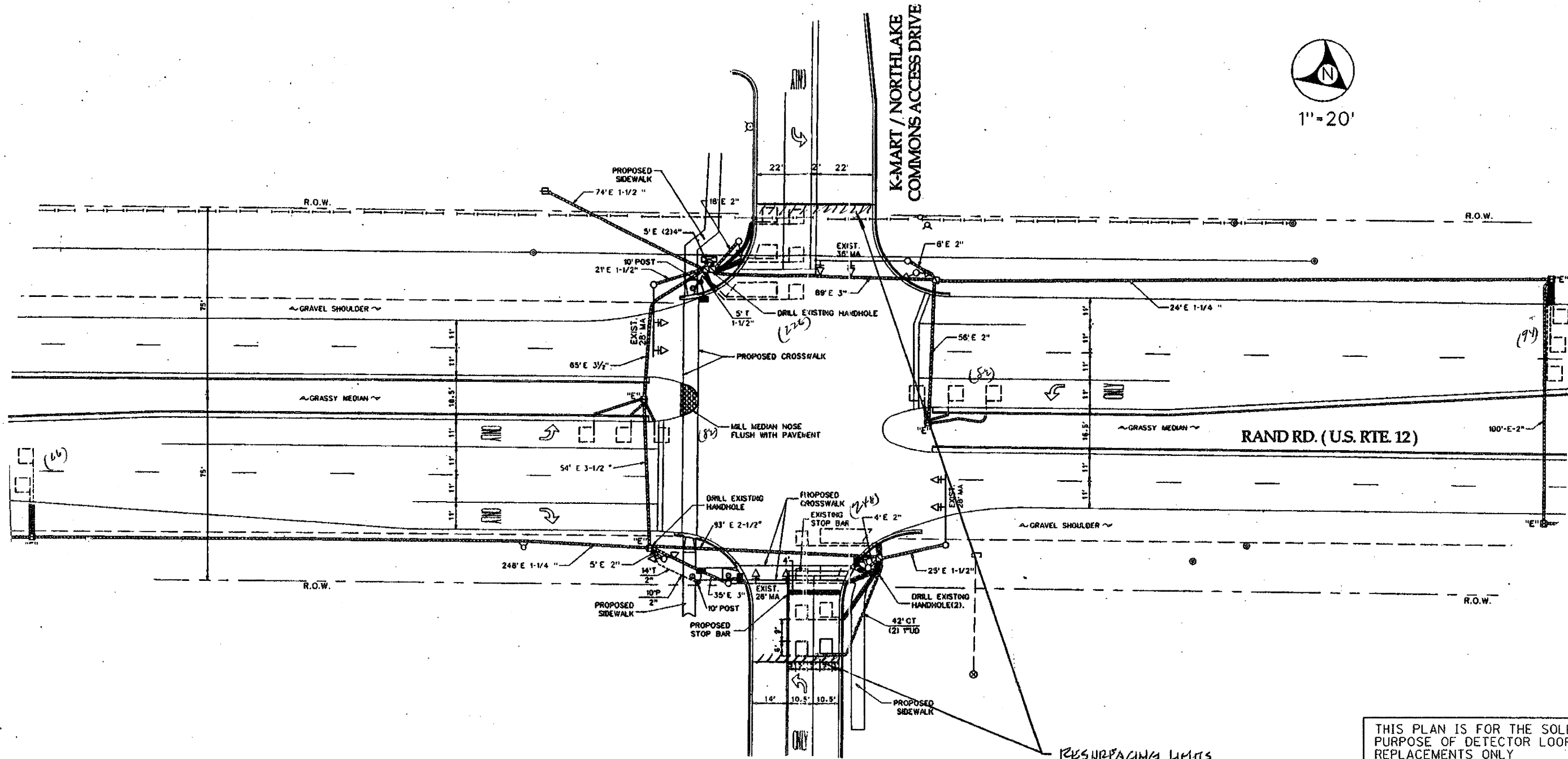
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	54-1-R5-V	LAKE	28	13
CONTRACT NO.			60124	
SCALE: NONE		SHEET NO. OF SHEETS		STA. TO STA.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**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		



1"=20'



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	798	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = karthophix@bc	DESIGNED - BCK	REVISED -
ca:\pwwork\k\PH001\KARTHOPHIX\BC\01126	1\Traffic\legend.v7.dgn	DRAWN - BCK	REVISED -
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	PLOT DATE = 4/3/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

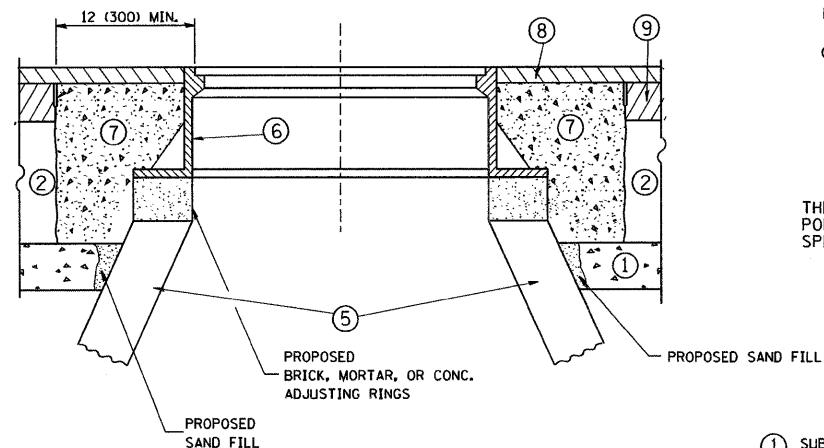
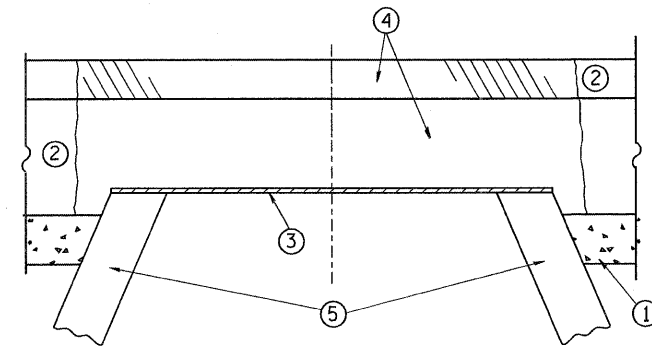
DISTRICT ONE - DETECTOR LOOP REPLACEMENT  
U.S. ROUTE 12 @ NORTHLAKE S.C.

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. 334	SECTION SY-1-PS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 14
			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 60424		









**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

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

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

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

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

**NOTES:**

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

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

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

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

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

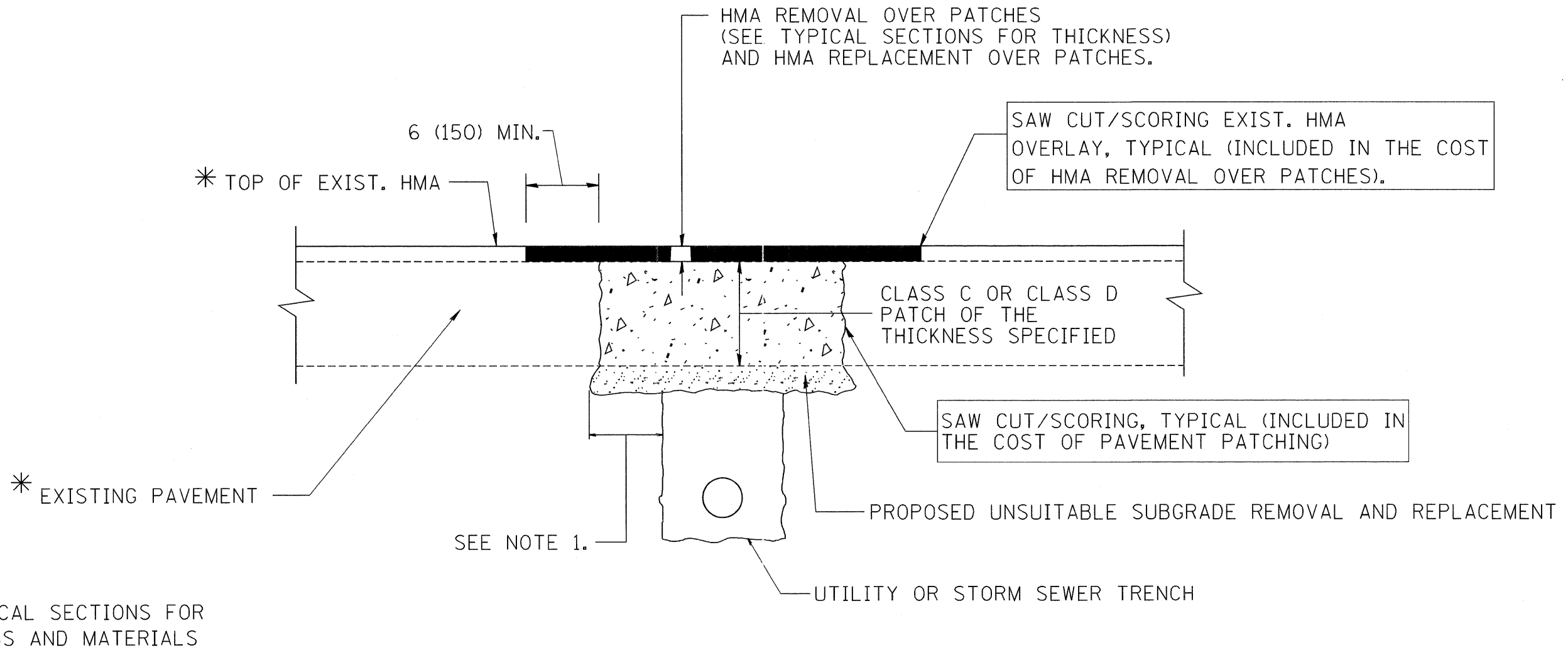
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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE. = 334	SECTION = SY-1-RS-4	COUNTY = LAKE	TOTAL SHEETS = 28	SHEET NO. = 17
BD600-03 (BD-8)			CONTRACT NO. 60H24	
FED. ROAD DIST. NO. 1 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\Rand Road South\Cad\District 1 Details\Details.pdf	USER NAME = gaglienobt	DESIGNED - R. SHAH	REVISED - A. ABBAS 01-20-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A. RTE. = 334	SECTION = SY-1-RS-4	COUNTY = LAKE	TOTAL SHEETS = 28	SHEET NO. = 18
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07					BD400-04 (BD-22)		CONTRACT NO. 60H24		
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

T/2 \*

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

3" (75) MIN.

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

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

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

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

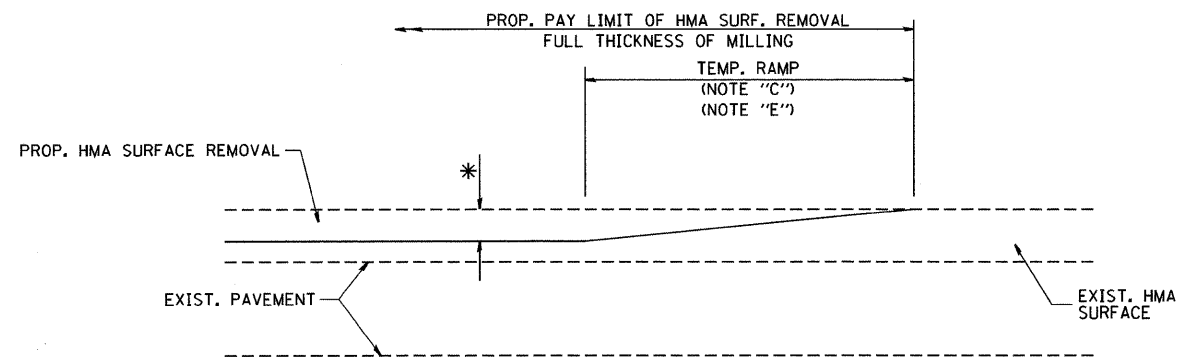
**BASIS OF PAYMENT:**

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

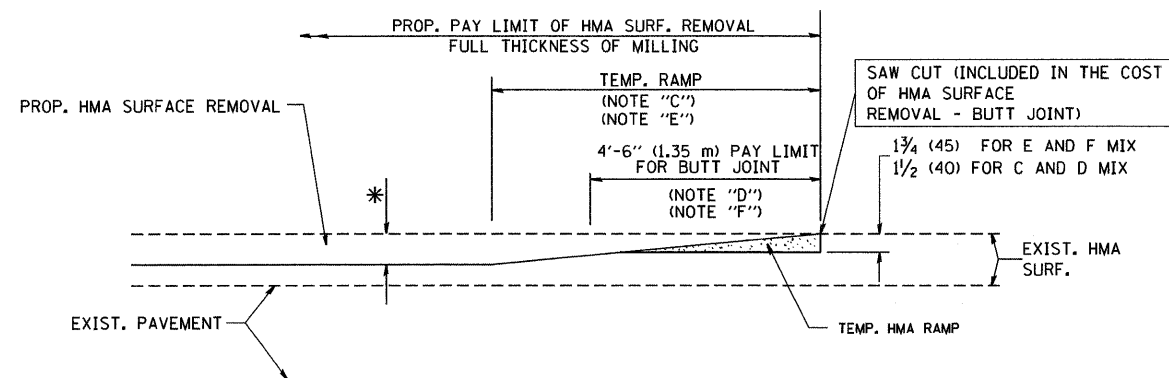
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = K:\11225514\Rand Road South\Cad\District 1 Details\Details.pdf	USER NAME = gaglionobt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE. = 334	SECTION = SY-1-RS-4	COUNTY = LAKE	TOTAL SHEETS = 28	SHEET NO. = 19	
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.	<b>BD600-06 (BD-24)</b>		CONTRACT NO. <b>60H24</b>
PLOT DATE = 1/4/2008	DATE = 03-11-94	REVISED - R. BORO 01-01-07	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



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

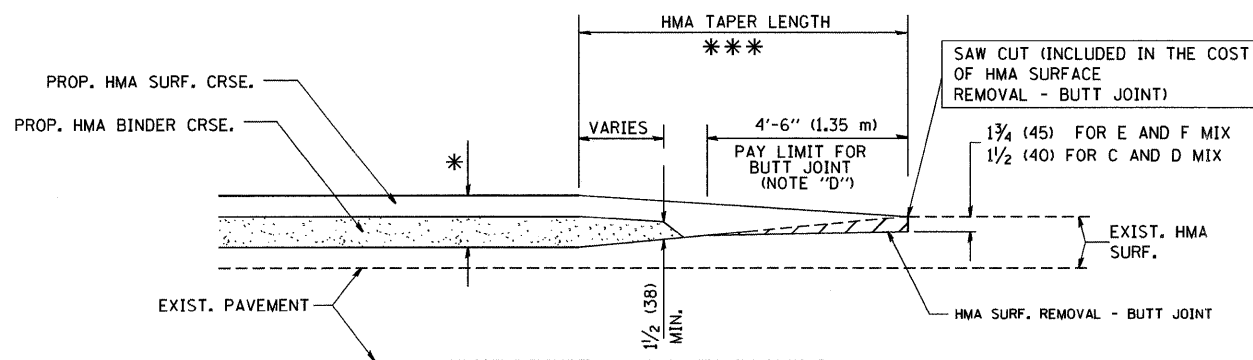
**OPTION 1**



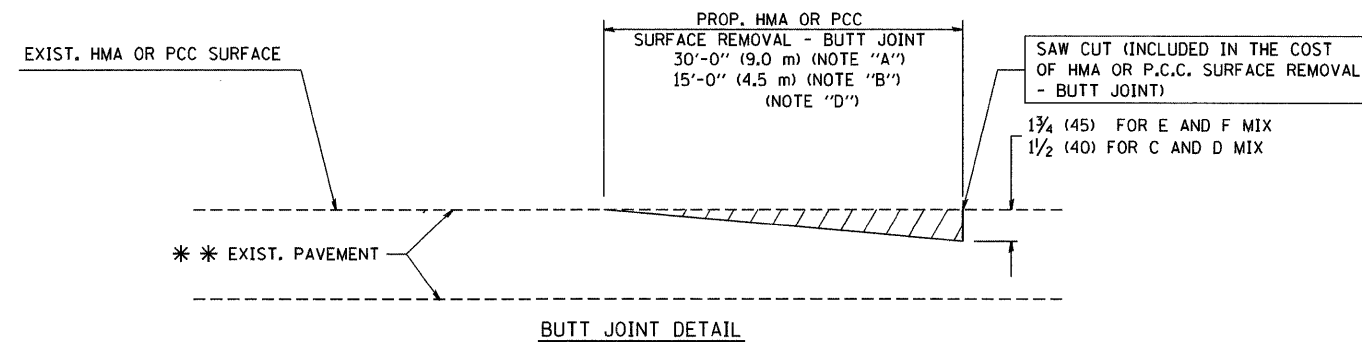
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

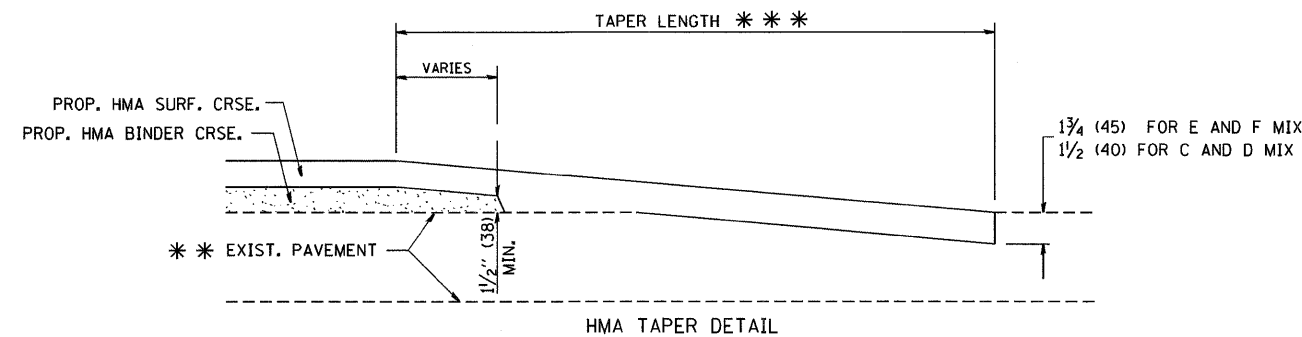
**TYPICAL TEMPORARY RAMP**



BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

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

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

**NOTES**

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

**BASIS OF PAYMENT:**

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

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

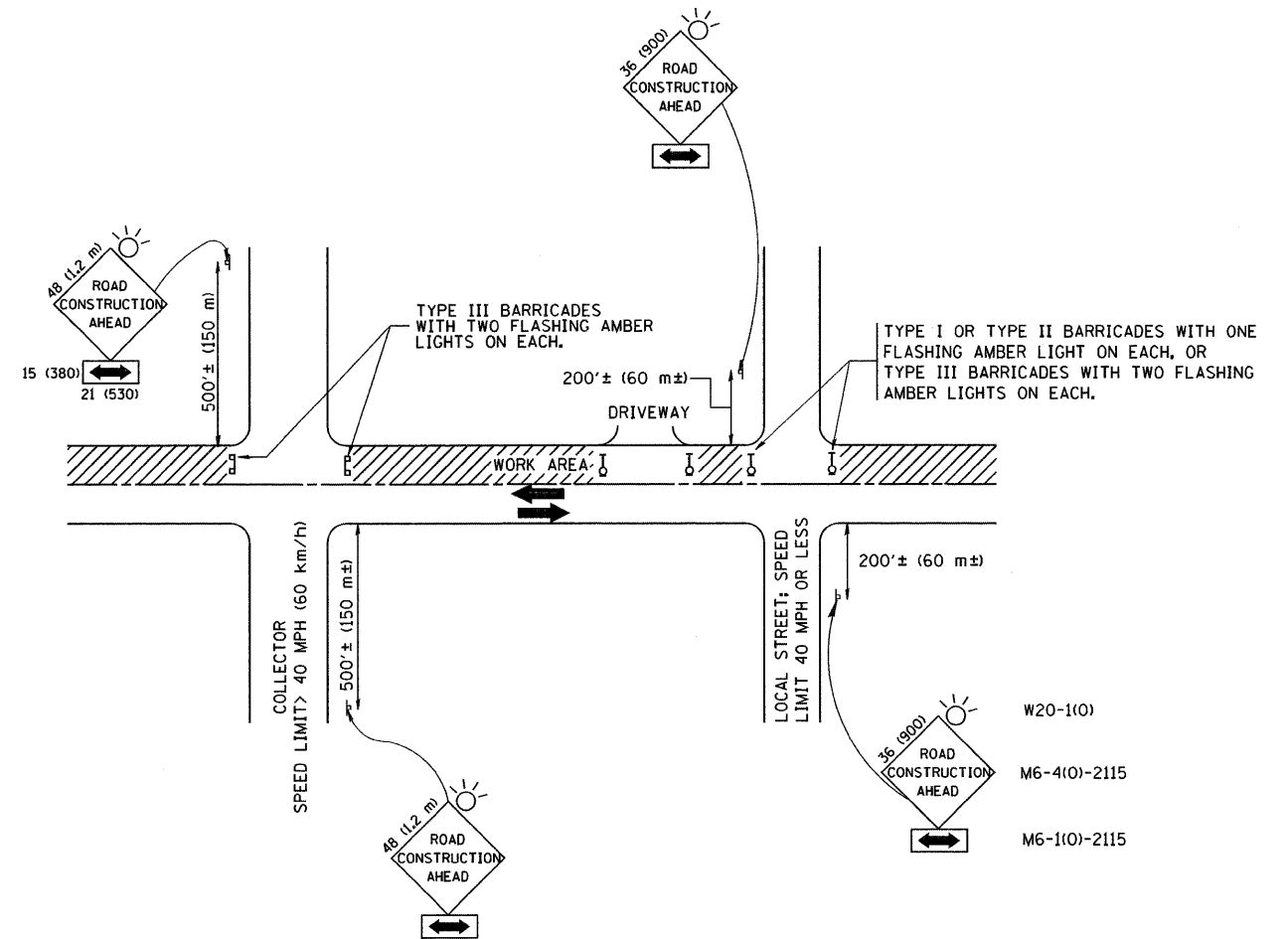
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	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A. RTE. 334	SECTION SY-1-RS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 20
BD400-05 BD32		CONTRACT NO. 60H24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
    1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
      - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
      - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
    2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
      - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
      - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

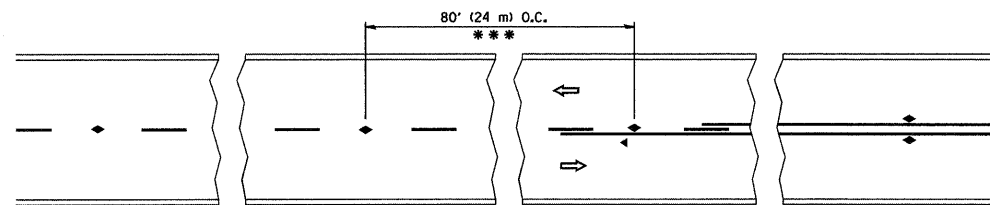
USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
  - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
  - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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	PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

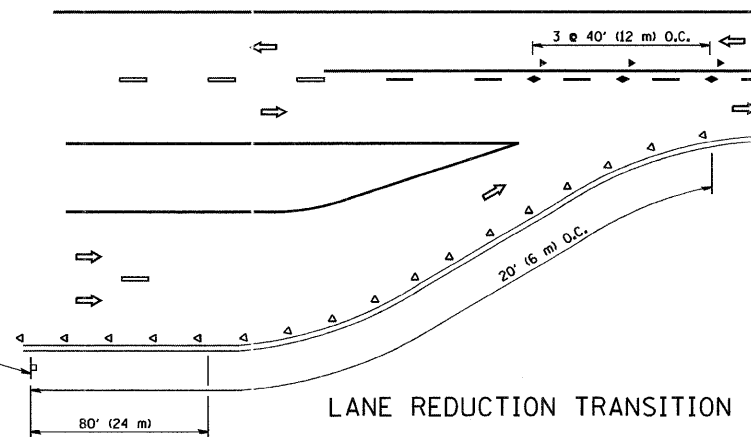
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A. RTE. 334	SECTION SY-1-RS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 21
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-10 CONTRACT NO. 60H24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

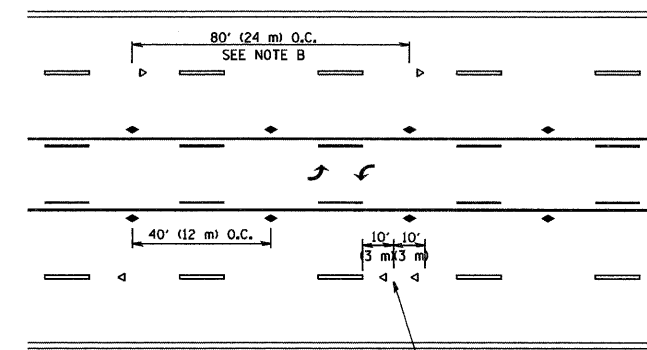


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

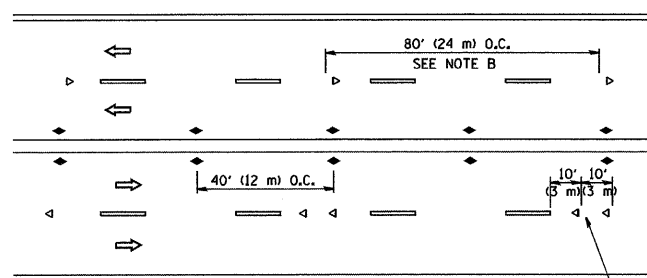


LANE REDUCTION TRANSITION



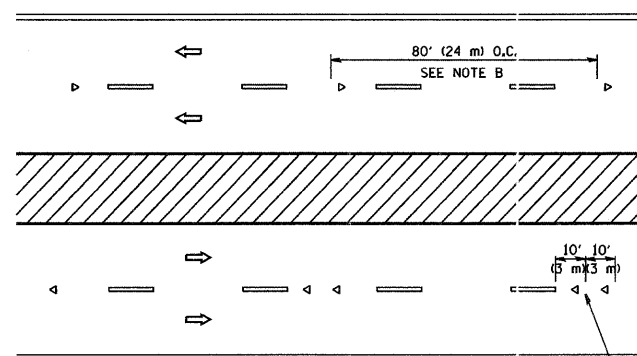
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

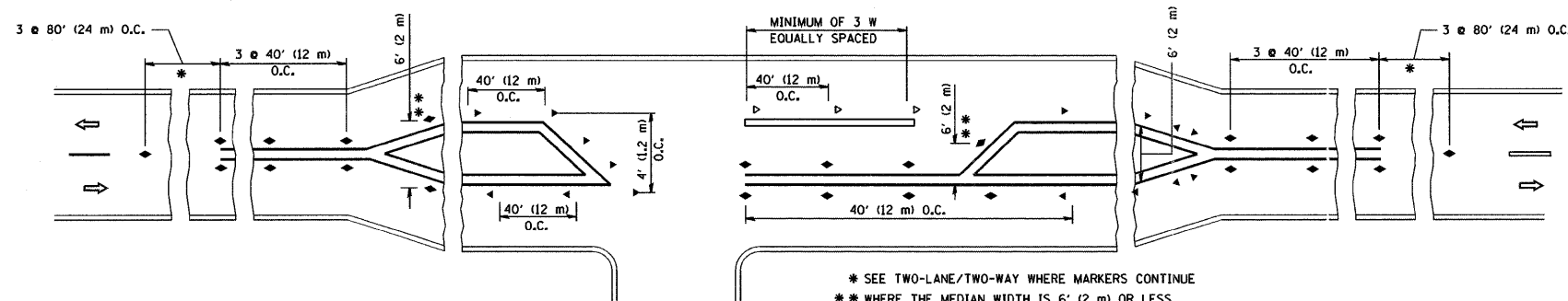
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

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.

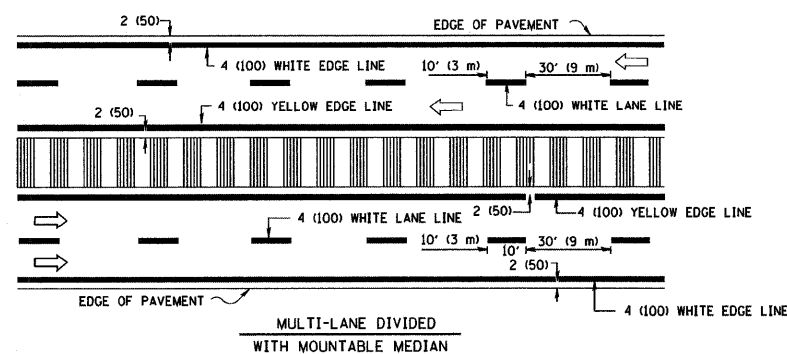
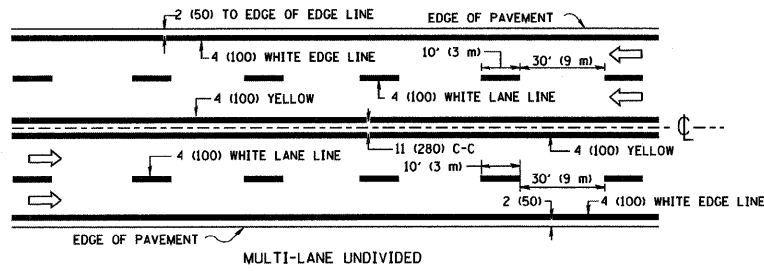
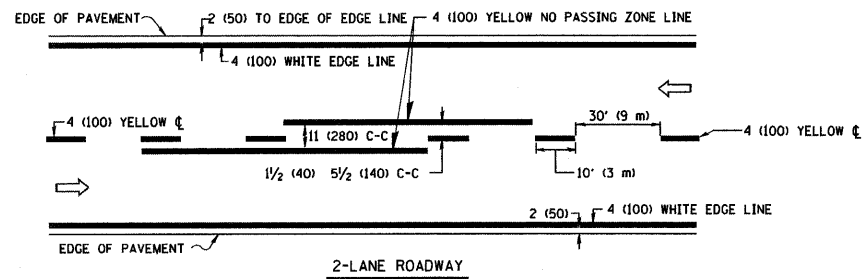


\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

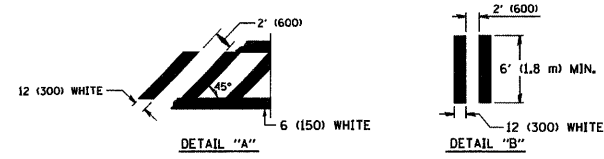
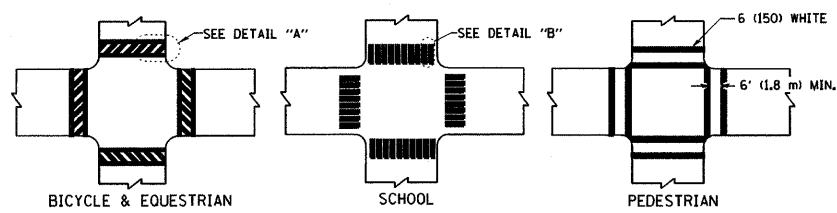
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = K:\11225514\Rand Road South\Cad\District 1 Details\Details.pdf	USER NAME = geg1enobt	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A. RTE. = 334	SECTION = SY-1-RS-4	COUNTY = LAKE	TOTAL SHEETS = 28	SHEET NO. = 22
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-12-99		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-11 CONTRACT NO. 60H24				
PLOT DATE = 1/4/2008	DATE -	REVISOR - T. RAMMACHER 01-06-00	REVISOR -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

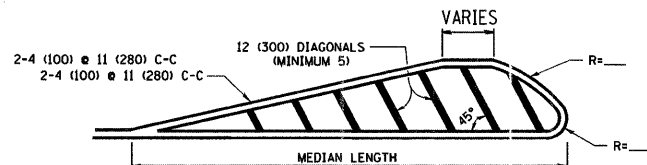
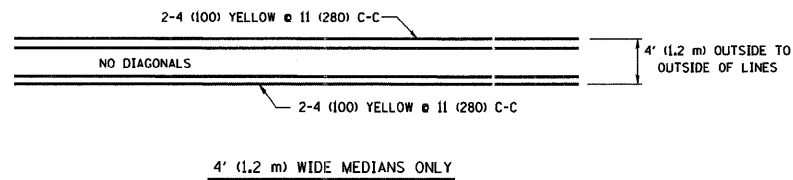


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

**TYPICAL LANE AND EDGE LINE MARKING**

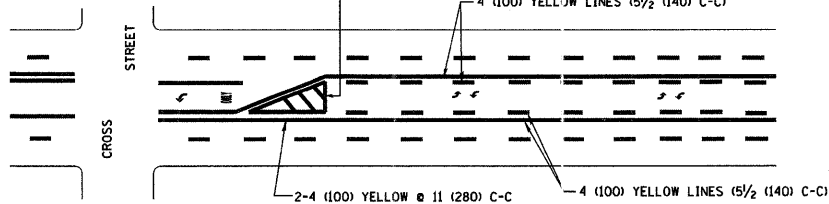


**TYPICAL CROSSWALK MARKING**



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

**MEDIANS OVER 4' (1.2 m) WIDE**

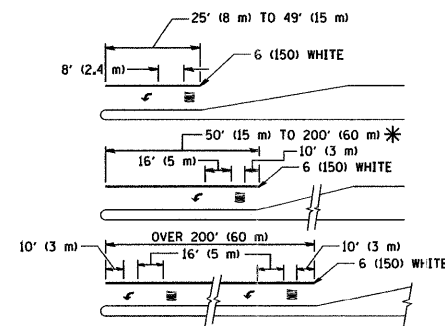


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

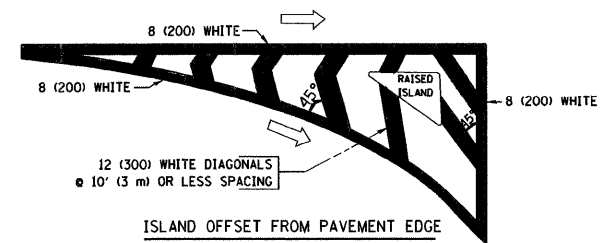


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

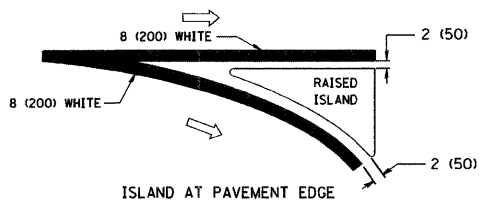
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**



**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

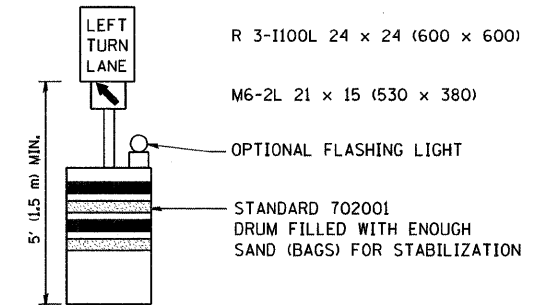
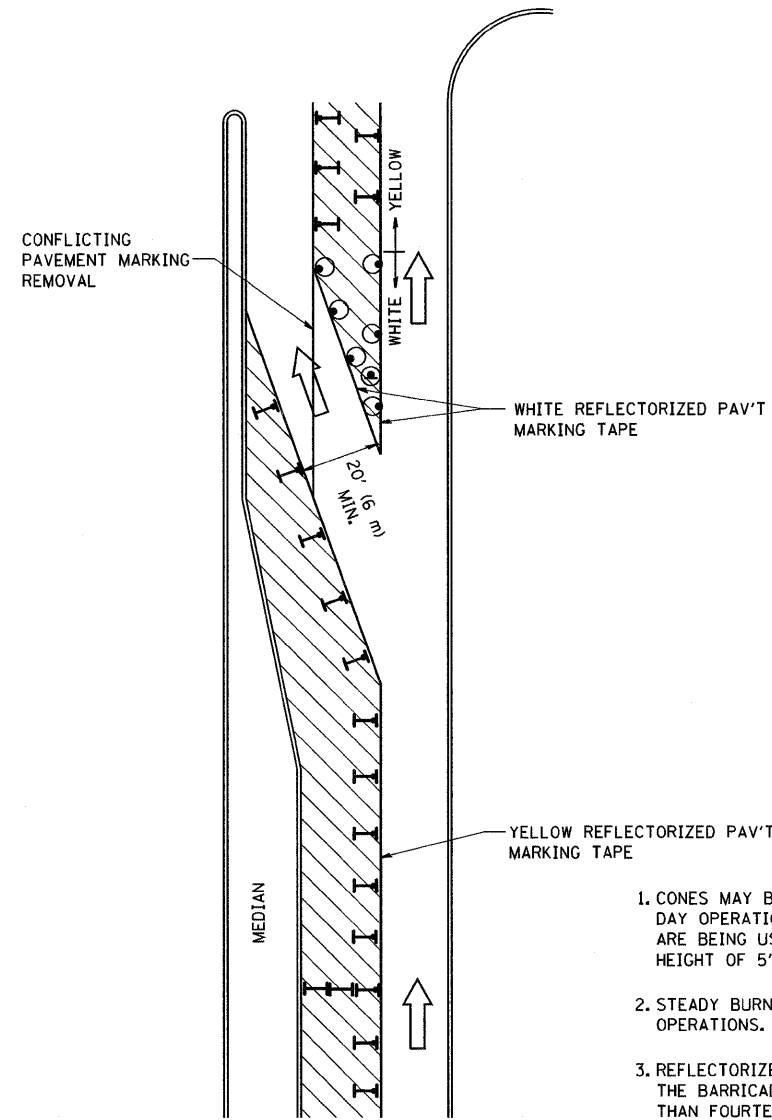
All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED - A. HOUSEH 10-09-96
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	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE. 334	SECTION SY-1-RS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 23
CONTRACT NO. 60H24			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

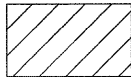







**GENERAL NOTES**

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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		DRAWN -	REVISED - A. HOUSEH 11-07-95
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	PLOT DATE = 1/4/2008	DATE -	REVISED -T, RAMMACHER 01-06-00

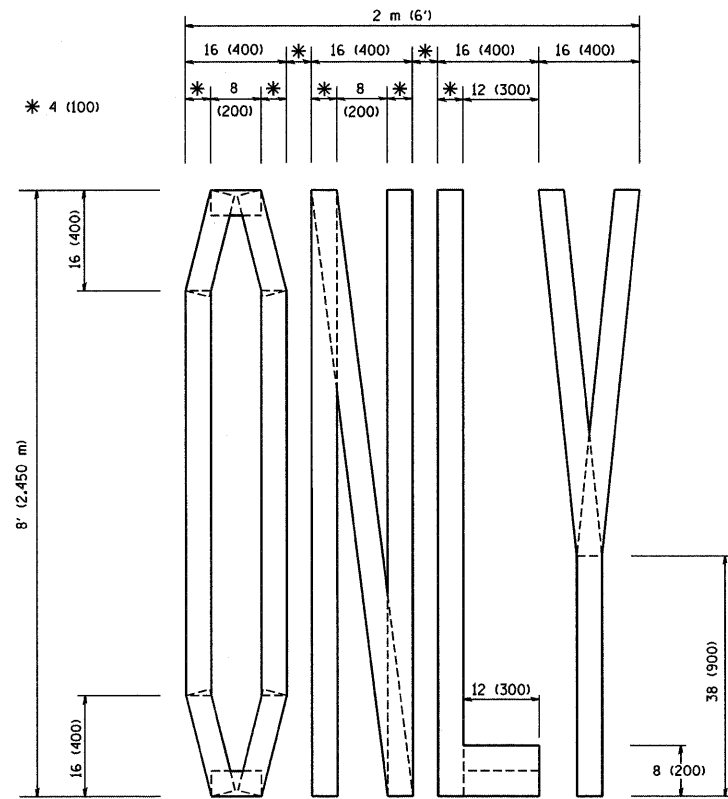
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

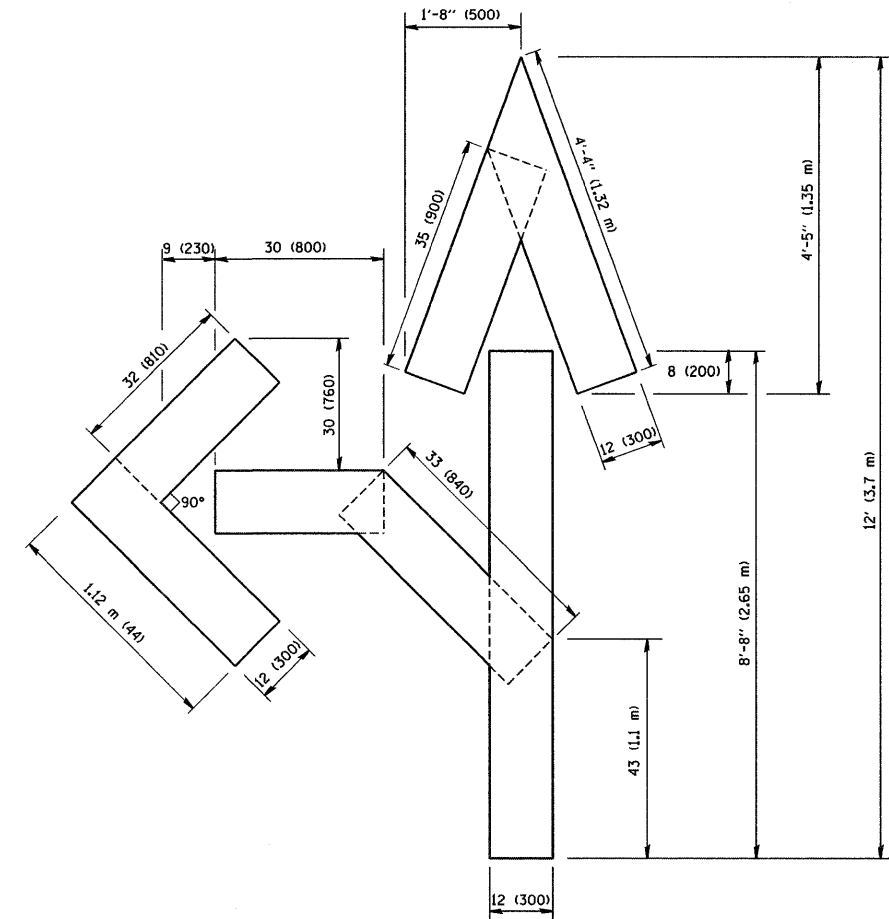
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F.A. RTE. 334	SECTION SY-1-RS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 24
TC-14		CONTRACT NO. 60H24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

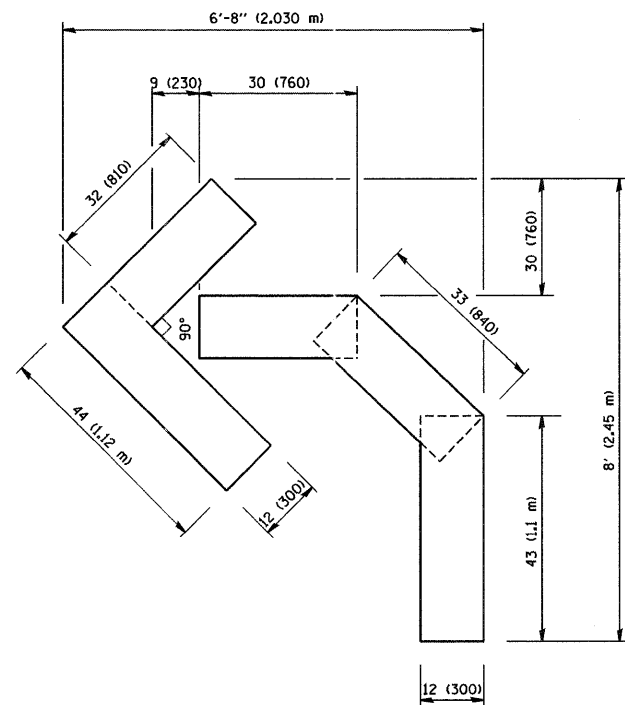




QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



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.

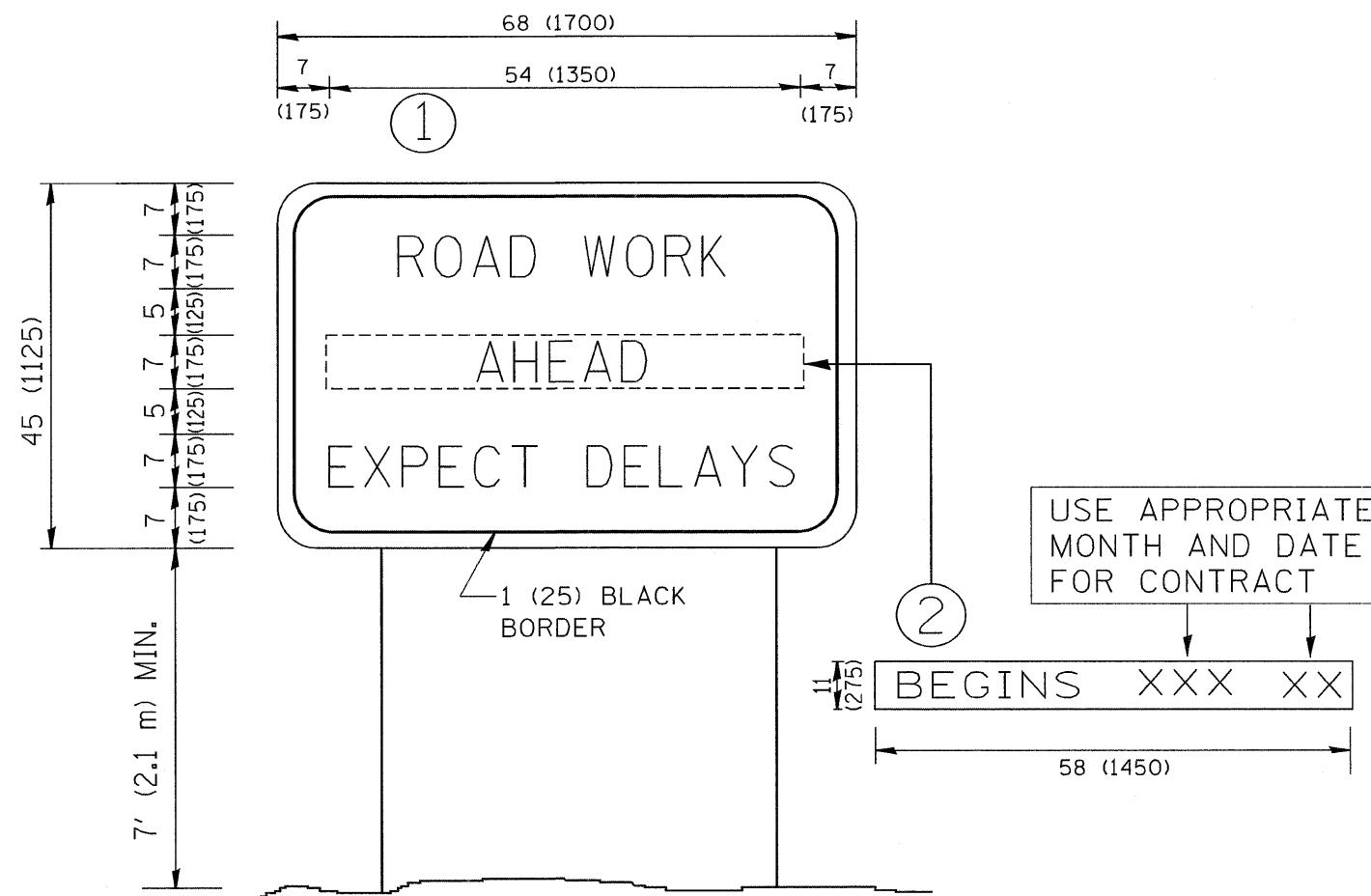
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	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

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. 334	SECTION SY-1-RS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 25
TC-16			CONTRACT NO. 60H24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

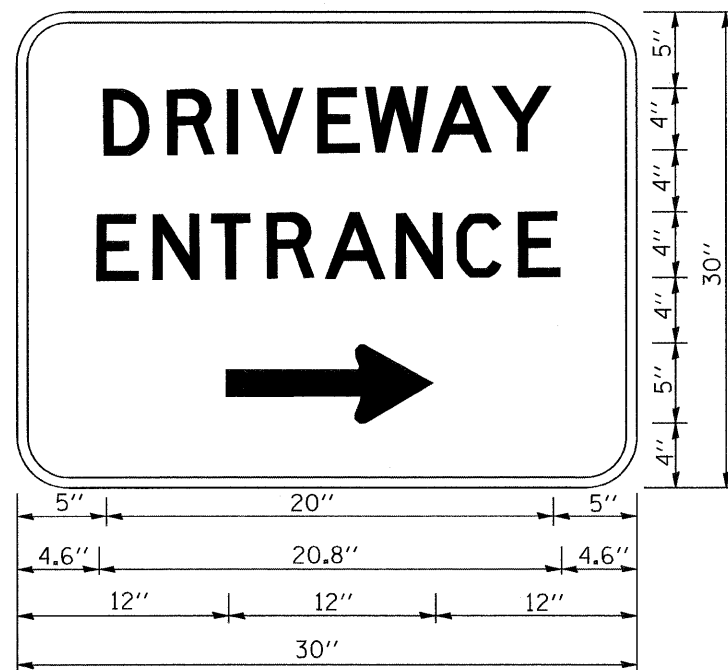
FILE NAME = K:\11225514\Rand Road South\Cad\District 1 Details\Details.pdf	USER NAME = gegl1enobt	DESIGNED -	REVISED - R. MIRS 09-15-97
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A. RTE. 334	SECTION SY-1-RS-4	COUNTY LAKE	TOTAL SHEETS 28	SHEET NO. 26
TC-22		CONTRACT NO. 60H24		
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 = K:\11225514\Rand Road South\Cad\District 1 Details\Details.pdf	USER NAME = geg11enobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY ENTRANCE SIGNING</b>			F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED -		334	SY-1-RS-4	LAKE	28	27			
PLOT DATE = 1/4/2008	CHECKED -	REVISED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>TC-26</b>		<b>CONTRACT NO. 60H24</b>		
	DATE -	REVISED -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

