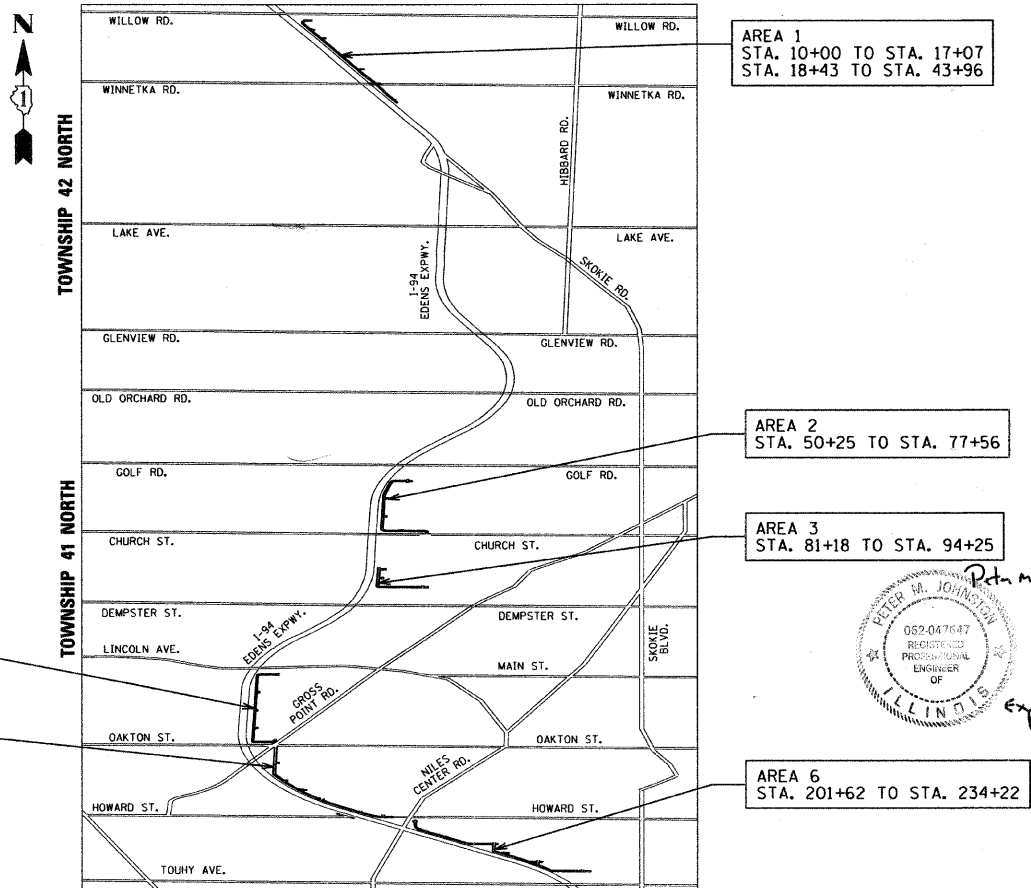


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**  
FAI 94 (I-94 EAST FRONTAGE ROADS)  
SECTION 2009-121 RS  
WILLOW ROAD TO TOUHY AVENUE  
RESURFACING

COOK COUNTY  
C-91-265-10

RANGE 13 EAST



NEW TRIER & NILES TOWNSHIPS

GROSS LENGTH = 36,109 FT. = 6.8 MILES  
NET LENGTH = 17,974 FT. = 3.4 MILES

**GRAEF** 8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2009-121 RS	COOK	25	1
		ILLINOIS	CONTRACT NO. 60J75	

D-91-265-10

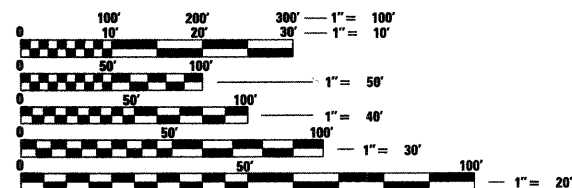


FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

EXISTING ADT = UNAVAILABLE, ASSUMED < 5000  
SPEED LIMIT = 25 - 30 MPH

THE IMPROVEMENT IS LOCATED WITHIN  
THE VILLAGES OF NORTHFIELD, SKOKIE  
AND MORTON GROVE.



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: PETER JOHNSTON (GRAEF) 773-399-0112  
PROJECT MANAGER: KEN ENG (IDOT) 847-705-4247

CONTRACT NO. 60J75

Peter M. Johnston  
052-047647  
REGISTERED  
PROFESSIONAL  
ENGINEER  
OF  
ILLINOIS  
Exp. 11-30-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 3, 2010

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

March 19, 2010  
Scott E. Stitt, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX, GENERAL NOTES AND HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6-7	OVERALL PLAN OF PROJECT AREA
8-17	ROADWAY AND PAVEMENT MARKING PLANS
18	FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD08)
19	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD22)
20	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD24)
21	BUTT JOINTS AND BITUMINOUS TAPER (BD32)
22	HMA TAPER AT EDGE OF P.C.C. PAVEMENT (BD33)
22	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS (TC10)
23	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC13)
24	TEMPORARY INFORMATION SIGNING (TC22)

HIGHWAY STANDARDS

STD. NO.	TITLE
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

- 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 FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 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).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO DISTRICT ONE TYPICAL MARKINGS FOR DETAILS NOT SHOWN.
- THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- MATCH EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT 847-715-8419 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- STOP BARS SHALL BE PARALLEL TO CROSSWALK (TYPICAL).
- SIGNS AFFECTED DURING CONSTRUCTION SHALL BE PLACED TO THEIR ORIGINAL LOCATION AND CONDITION (OR NEW).

THE CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"	4% @ 50 GYR
CLASS D PATCHES (HMA BINDER IL-19mm), 9"	4% @ 70 GYR
PARTIAL DEPTH PATCHING (HMA BINDER-19mm), 3"	4% @ 70 GYR

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG70-22" AND NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISION

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FILE NAME =	USER NAME = _USER_	DESIGNED - AR	REVISED - RS 02-09-2010	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-94 FRONTAGE ROAD - WILLOW TO TOUHY INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, HMA TABLE</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN - AR	REVISED -		94	2009-121 RS	COOK	25	2			
	PLOT DATE = 2/10/2010	CHECKED - RS	REVISED -		CONTRACT NO. 60J75							
		DATE - 01/29/2010	REVISED -		[ILLINOIS] FED. AID PROJECT							
					SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.		

**SUMMARY OF QUANTITIES**

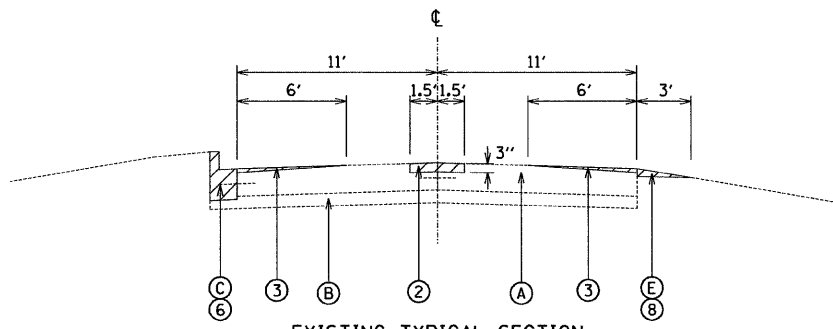
PAY ITEM NUMBER	DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	1000-2A STATE STATE
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	85	85
25200110	SODDING, SALT TOLERANT	SQ YD	85	85
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	39	39
40600300	AGGREGATE (PRIME COAT)	TON	196	196
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	225	225
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2,738	2,738
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	328	328
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1,359	1,359
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	4,107	4,107
42101300	PROTECTIVE COAT	SQ YD	186	186
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	50	50
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	250	250
44000190	HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	26,663	26,663
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	50	50
44000600	SIDEWALK REMOVAL	SQ FT	250	250
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	650	650
44201749	CLASS D PATCHES, TYPE I, 9"	SQ YD	1,528	1,528
44201753	CLASS D PATCHES, TYPE II, 9"	SQ YD	2,292	2,292
44201757	CLASS D PATCHES, TYPE III, 9"	SQ YD	2,292	2,292
44201759	CLASS D PATCHES, TYPE IV, 9"	SQ YD	1,528	1,528
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	17,000	17,000
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3,130	3,130
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	30	30
67000400	ENGINEERS FIELD OFFICE TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,560	1,560
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	50,091	50,091
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	126	126
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	90	90
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	50,091	50,091
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	126	126
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	90	90
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	411	411
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	22,667	22,667
X4421000	PARTIAL DEPTH PATCHING	TON	952	952
X4422030	PARTIAL DEPTH REMOVAL, 3"	SQ YD	5,667	5,667
60406000	FRAMES AND LIDS, TYPE I, OPEN LID	EACH	7	7
60406100	FRAMES AND LIDS, TYPE I, CLOSED LID	EACH	7	7

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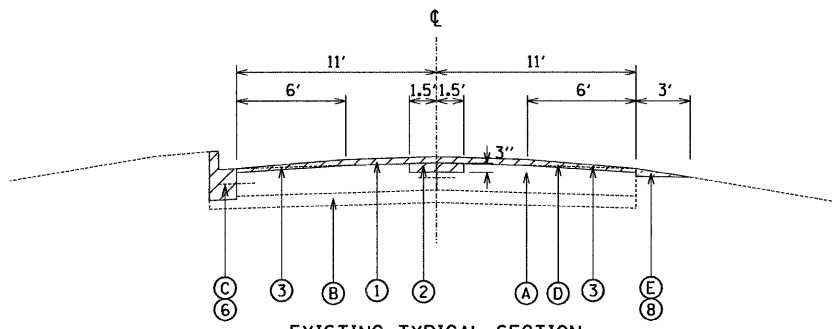
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		DRAWN - AR	REVISED -					94	2009-121 RS	COOK	25	3
		CHECKED - RS	REVISED -		SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60J75 [ILLINOIS] FED. AID PROJECT	
		DATE - 01/29/2010	REVISED -									

*\*Specialty Items*

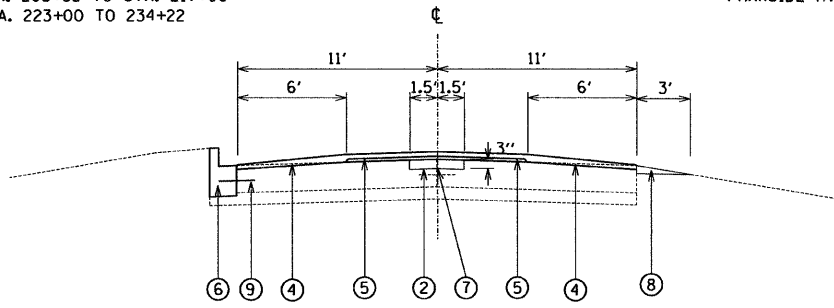
*Rev.*



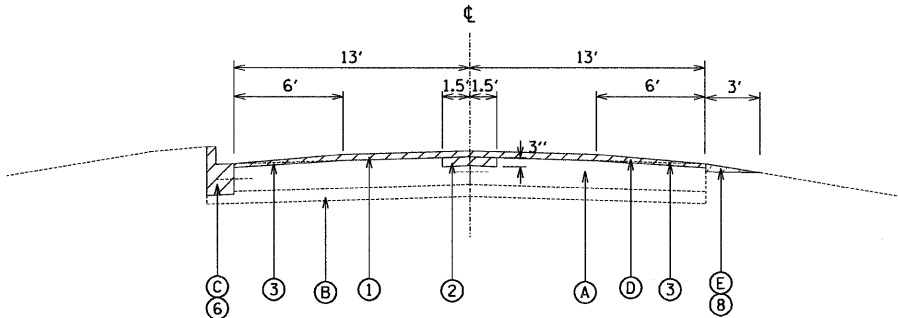
**EXISTING TYPICAL SECTION**  
 EAST FRONTAGE ROAD - STA. 10+00 TO STA. 43+96  
 STA. 205+85 TO STA. 217+00  
 STA. 223+00 TO 234+22



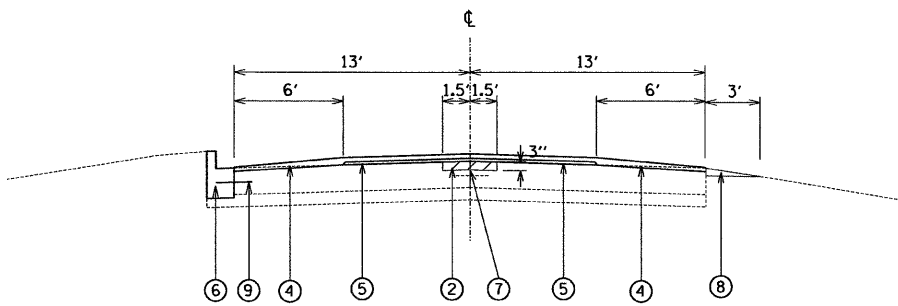
**EXISTING TYPICAL SECTION**  
 EAST FRONTAGE ROAD - STA. 151+03 TO STA. 171+00  
 PARKSIDE AVE. - STA. 104+49 TO STA. 129+00



**PROPOSED TYPICAL SECTION**  
 EAST FRONTAGE ROAD - STA. 10+00 TO STA. 43+96  
 STA. 151+03 TO STA. 171+00  
 STA. 205+85 TO STA. 217+00  
 STA. 223+00 TO STA. 234+22  
 PARKSIDE AVE. - STA. 104+49 TO STA. 129+00



**EXISTING TYPICAL SECTION**  
 EAST FRONTAGE ROAD - STA. 50+25 TO STA. 57+00  
 LONG AVE. - STA. 57+00 TO STA. 75+00  
 FOSTER AVE. - STA. 75+00 TO STA. 77+56



**PROPOSED TYPICAL SECTION**  
 EAST FRONTAGE ROAD - STA. 50+25 TO STA. 57+00  
 LONG AVE. - STA. 57+00 TO STA. 75+00  
 FOSTER AVE. - STA. 75+00 TO STA. 77+56

**EXISTING CONDITIONS:**

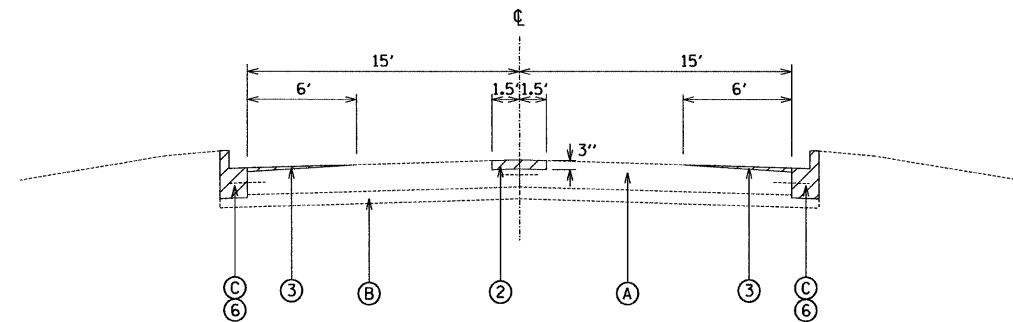
- (A) PCC PAVEMENT, 9"
- (B) GRANULAR SUB-BASE, 4"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) HOT-MIX ASPHALT SURFACE
- (E) AGGREGATE SHOULDER
- ▨ ITEMS TO BE REMOVED

**PROPOSED IMPROVEMENTS:**

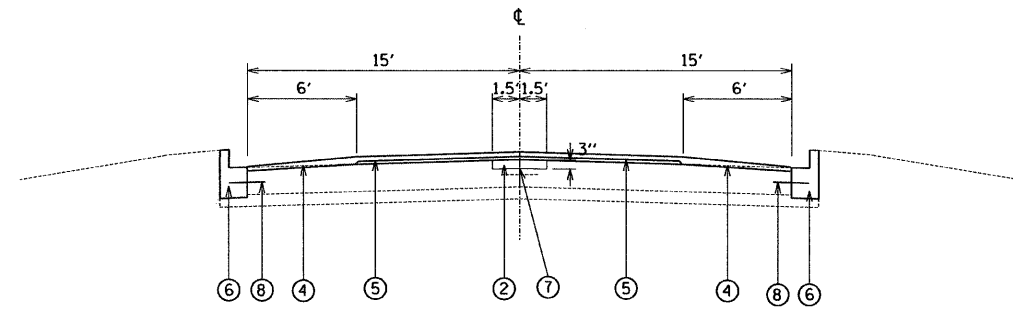
- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" (REMOVE TO P.C.C. PAVEMENT)
  - (2) PARTIAL DEPTH REMOVAL, 3" AND PARTIAL DEPTH PATCHING (HMA BINDER-19.0mm), 3"
  - (3) PCC SURFACE REMOVAL (PARTIAL DEPTH), 1 1/4" TO 0"
  - (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
  - (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
  - (6) COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
  - (7) STRIP REFLECTIVE CRACK CONTROL SYSTEM
  - (8) AGGREGATE WEDGE SHOULDER, TYPE B
  - (9) NO. 6 x 12" EPOXY COATED, DEFORMED TIE BARS AT 24" C-C (INCLUDED IN COST OF CURB AND GUTTER)
- SEE PLANS FOR PAVEMENT MARKING PLACEMENT.

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FILE NAME =	USER NAME = .USER.	DESIGNED - AR	REVISED - RS 02-09-2010	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-94 FRONTAGE ROAD - WILLOW TO TOUHY TYPICAL SECTIONS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED - RS	REVISED -				94	2009-121 RS	COOK	25	4
PLOT DATE = 2/10/2010	DATE - 01/29/2010	REVISED -	REVISED -	SCALE: N/A S	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION**  
LONG AVE. - STA. 87+73 TO STA. 94+25



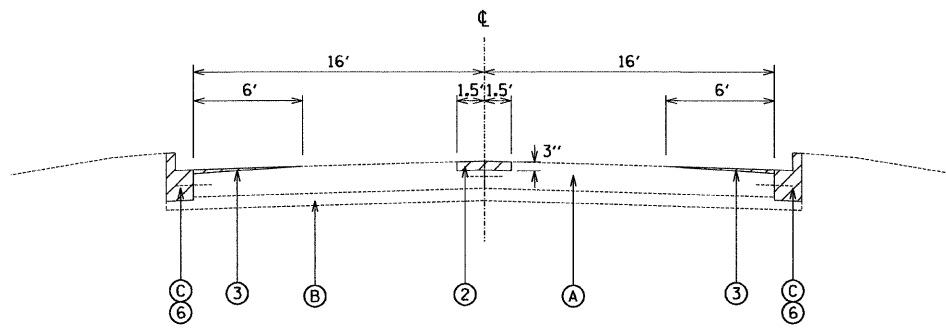
**PROPOSED TYPICAL SECTION**  
LONG AVE. - STA. 87+73 TO STA. 94+25

**EXISTING CONDITIONS:**

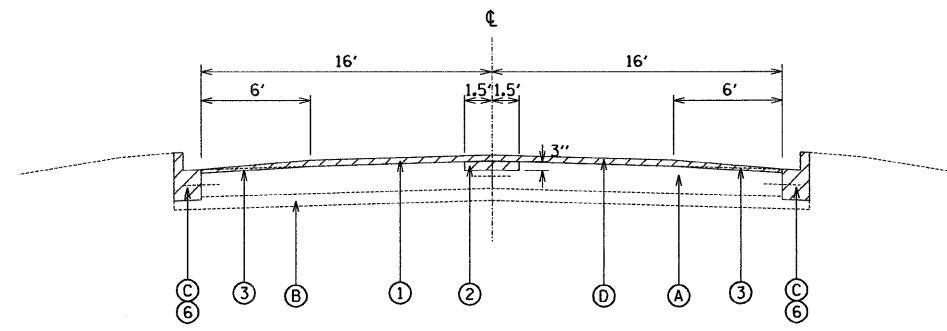
- (A) PCC PAVEMENT, 9"
- (B) GRANULAR SUB-BASE, 4"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) HOT-MIX ASPHALT SURFACE
- (E) AGGREGATE SHOULDER
- ITEMS TO BE REMOVED

**PROPOSED IMPROVEMENTS:**

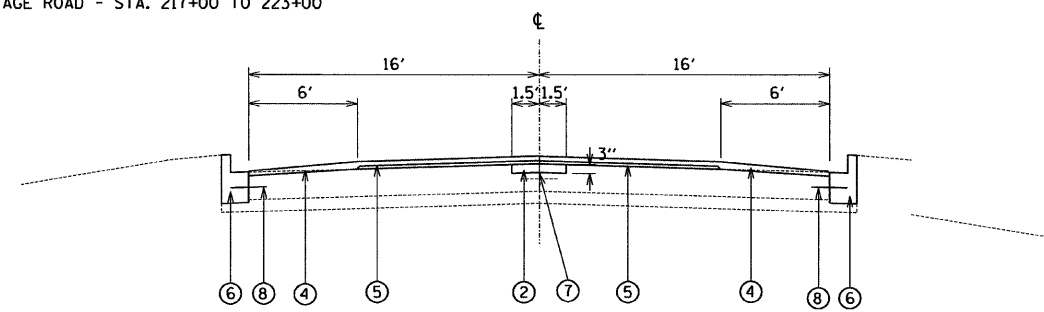
- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" (REMOVE TO P.C.C. PAVEMENT)
  - (2) PARTIAL DEPTH REMOVAL, 3" AND PARTIAL DEPTH PATCHING (HMA BINDER-19.0mm), 3"
  - (3) PCC SURFACE REMOVAL (PARTIAL DEPTH), 1 1/4" TO 0"
  - (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
  - (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
  - (6) COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
  - (7) STRIP REFLECTIVE CRACK CONTROL SYSTEM
  - (8) AGGREGATE WEDGE SHOULDER, TYPE B
  - (9) NO. 6 x 12" EPOXY COATED, DEFORMED TIE BARS AT 24" C-C (INCLUDED IN COST OF CURB AND GUTTER)
- SEE PLANS FOR PAVEMENT MARKING PLACEMENT.



**EXISTING TYPICAL SECTION**  
GREENWOOD AVE. - 81+19 TO STA. 87+73  
CHASE AVE. - STA. 201+62 TO STA. 205+85  
EAST FRONTAGE ROAD - STA. 217+00 TO 223+00



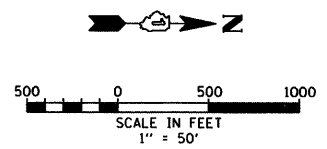
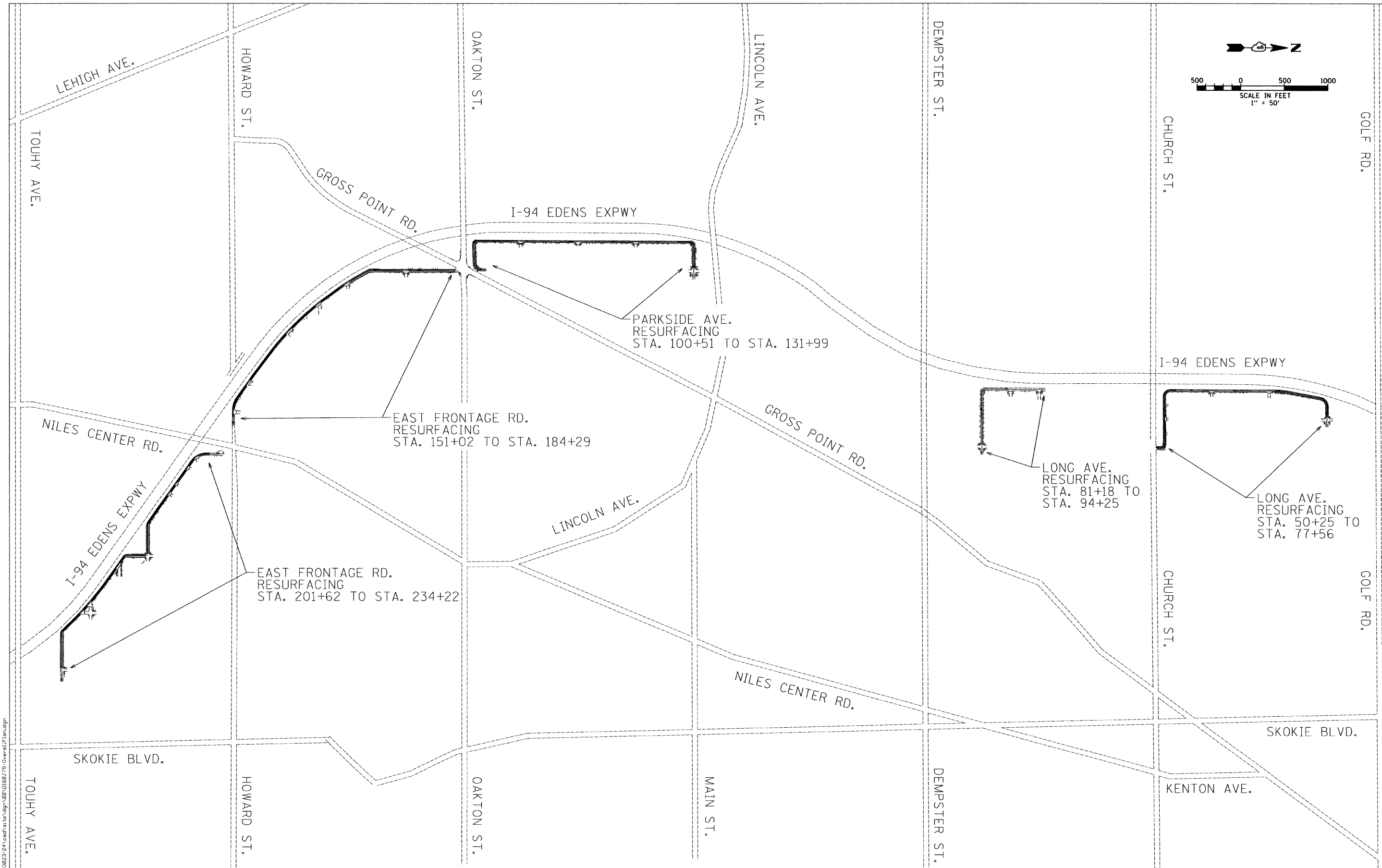
**EXISTING TYPICAL SECTION**



**PROPOSED TYPICAL SECTION**  
GREENWOOD AVE. - 81+19 TO STA. 87+73  
PARKSIDE AVE. - STA. 100+51 TO STA. 104+49  
MAIN ST. - STA. 129+00 TO STA. 131+98  
CENTRAL AVE. - STA. 171+00 TO STA. 184+29  
CHASE AVE. - STA. 201+62 TO STA. 205+85  
EAST FRONTAGE ROAD - STA. 217+00 TO 223+00

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FILE NAME =	USER NAME = .USER.	DESIGNED - AR	REVISED - RS 02-09-2010	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-94 FRONTAGE ROAD - WILLOW TO TOUHY TYPICAL SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN - AR	REVISED -					94	2009-121 RS	COOK	25	5
PLOT DATE = 2/10/2010	CHECKED - RS	DATE - 01/29/2010	REVISED -	SCALE: N/A'S	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				
								CONTRACT NO. 60J75				



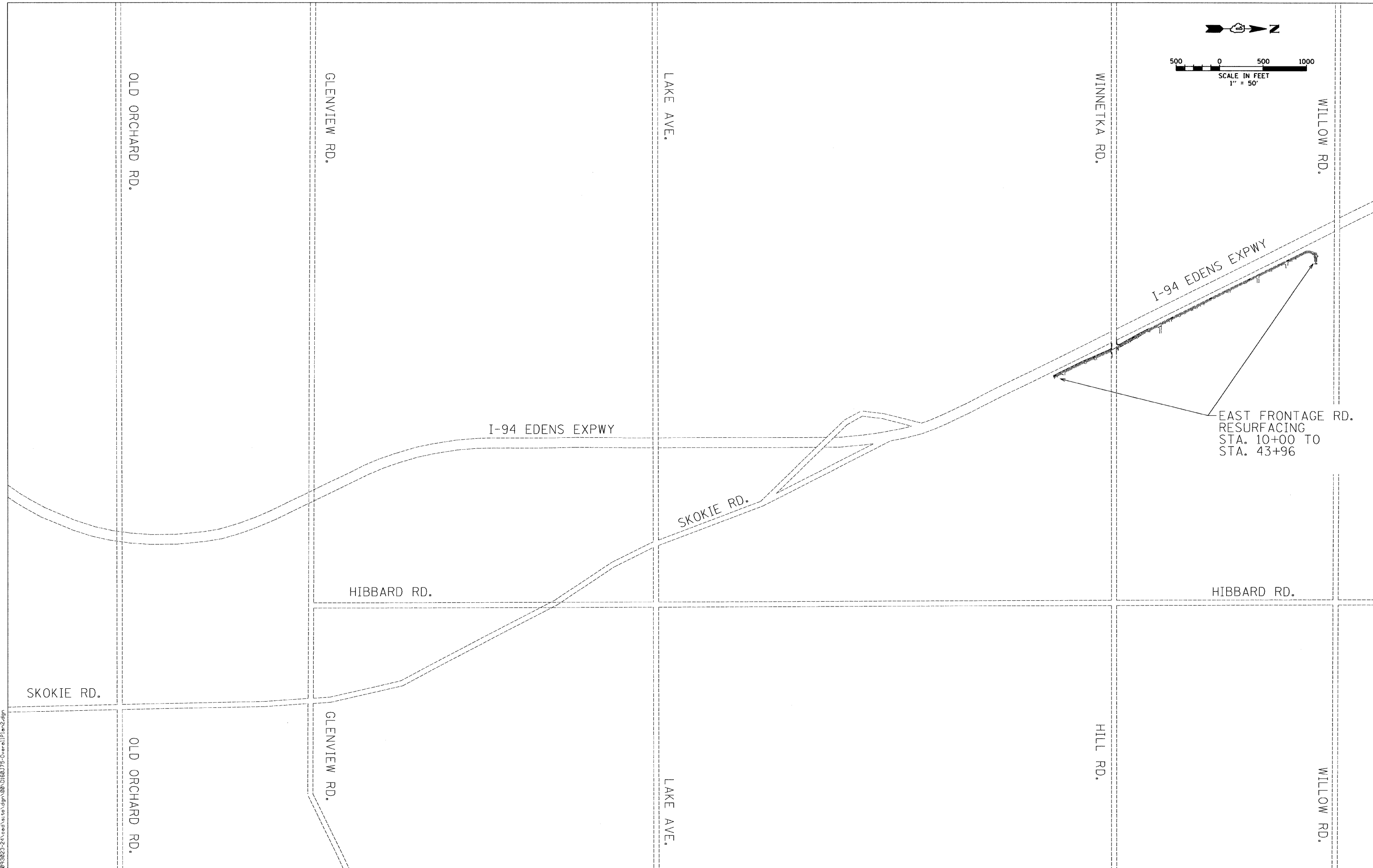
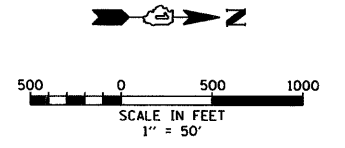
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	PLOT DATE = 2/10/2010	CHECKED - RS	REVISED -
		DATE - 01/29/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-94 FRONTAGE ROAD - WILLOW TO TOUHY  
OVERALL PLAN OF PROJECT AREA**

SCALE: NTS      SHEET NO. OF SHEETS      STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2009-121 RS	COOK	25	6
CONTRACT NO. 60J75				
ILLINOIS FED. AID PROJECT				



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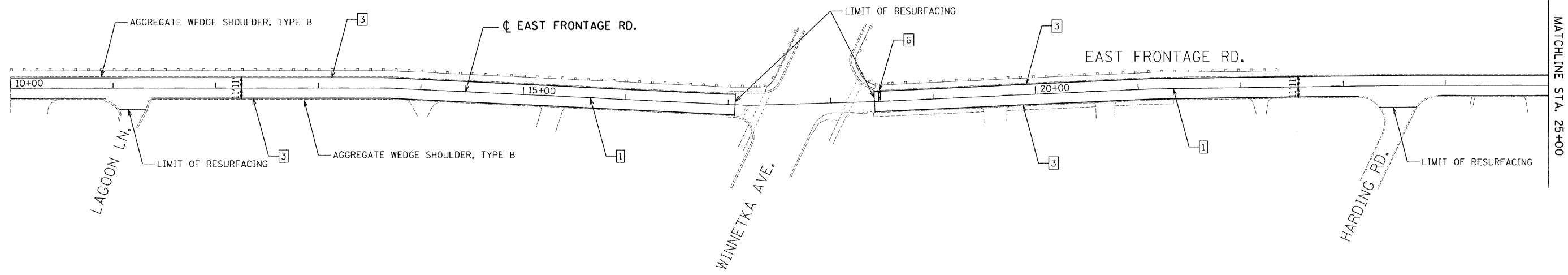
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	PLOT DATE = 2/10/2010	CHECKED - RS	REVISED -
		DATE - 01/29/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-94 FRONTAGE ROAD - WILLOW TO TOUHY  
OVERALL PLAN OF PROJECT AREA**

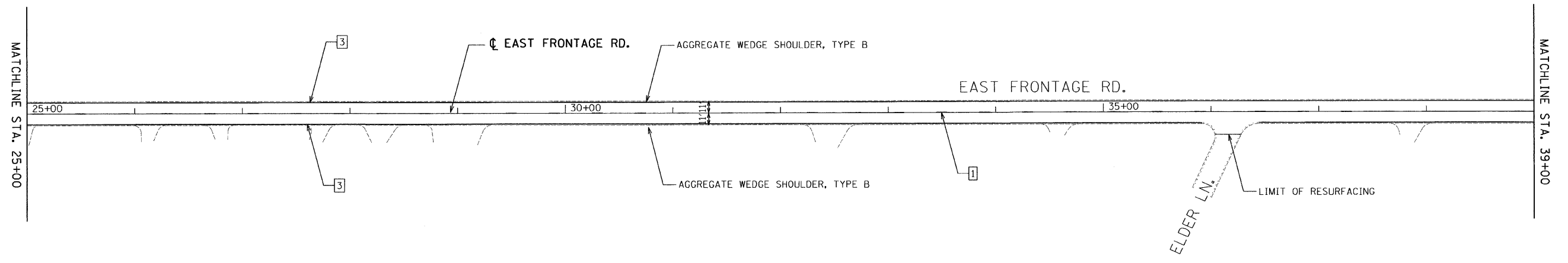
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2009-121 RS	COOK	25	7
				CONTRACT NO. 60J75
ILLINOIS FED. AID PROJECT				



**LEGEND**

- |  |   |
|--|---|
| [1] THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP | [5] THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW |
| [2] THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE | [6] THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE  |
| [3] THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE                     | [7] THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE |



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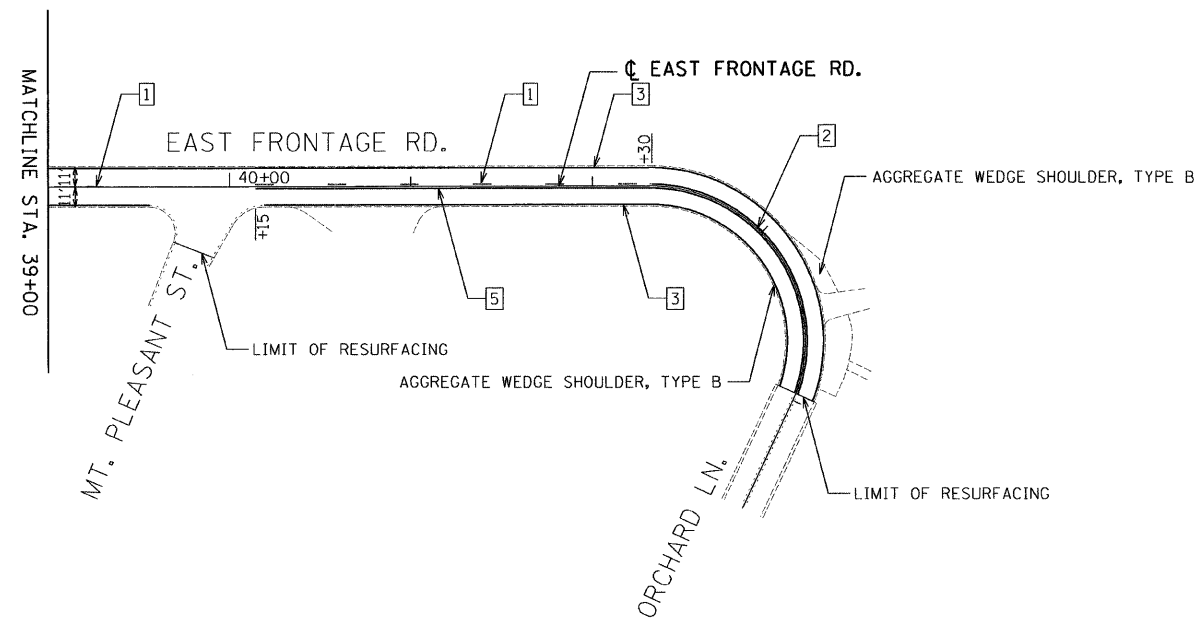
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	PLOT SCALE = 50.0045' / IN.	DRAWN - AR	REVISED -					94	2009-121-RS	COOK	25	8
	PLOT DATE = 2/9/2010	CHECKED - PJ	REVISED -		SCALE: 50	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60J75 ILLINOIS FED. AID PROJECT		
		DATE - 01/29/2010	REVISED -									





**LEGEND**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE



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	PLOT DATE = 2/9/2010	DATE - 01/29/2010	REVISED -

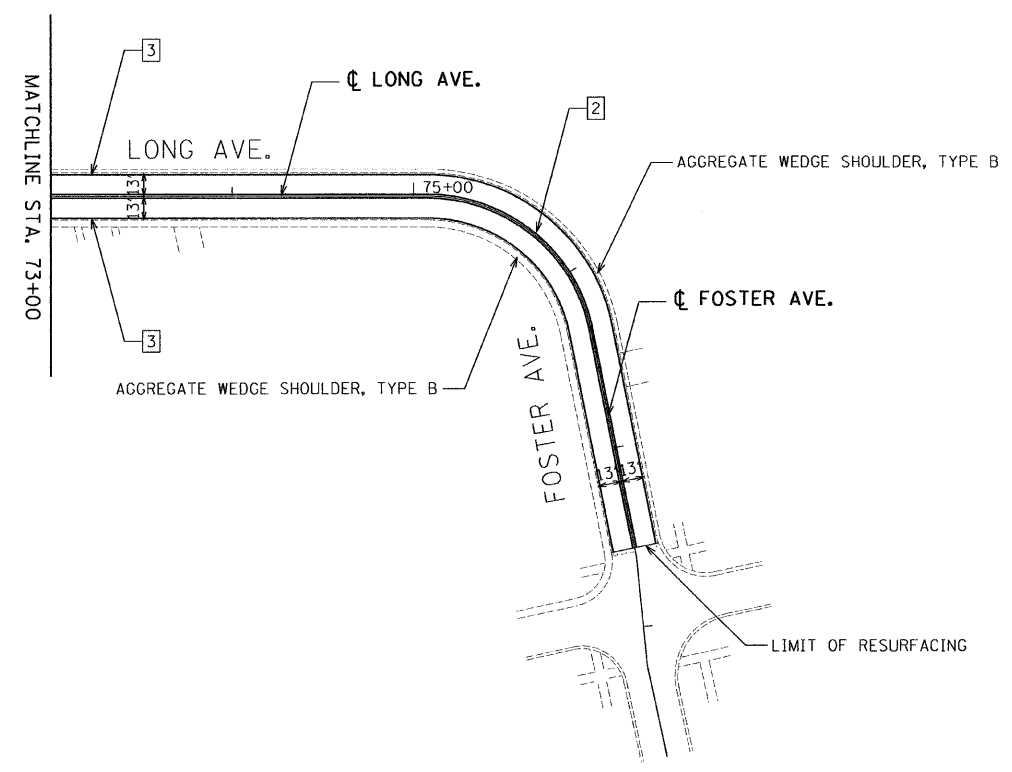
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-94 FRONTAGE ROAD - WILLOW TO TOUHY**  
**ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 50      SHEET NO.    OF    SHEETS      STA.      TO STA.

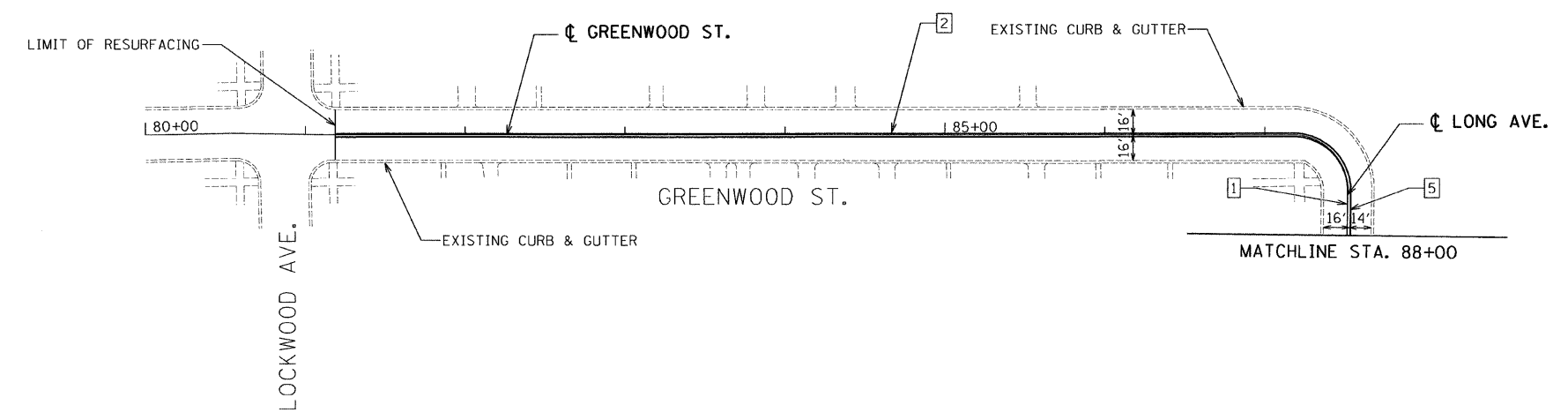
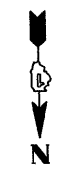
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94	2009-121-RS	COOK	25	9
CONTRACT NO. 60J75				
ILLINOIS FED. AID PROJECT				





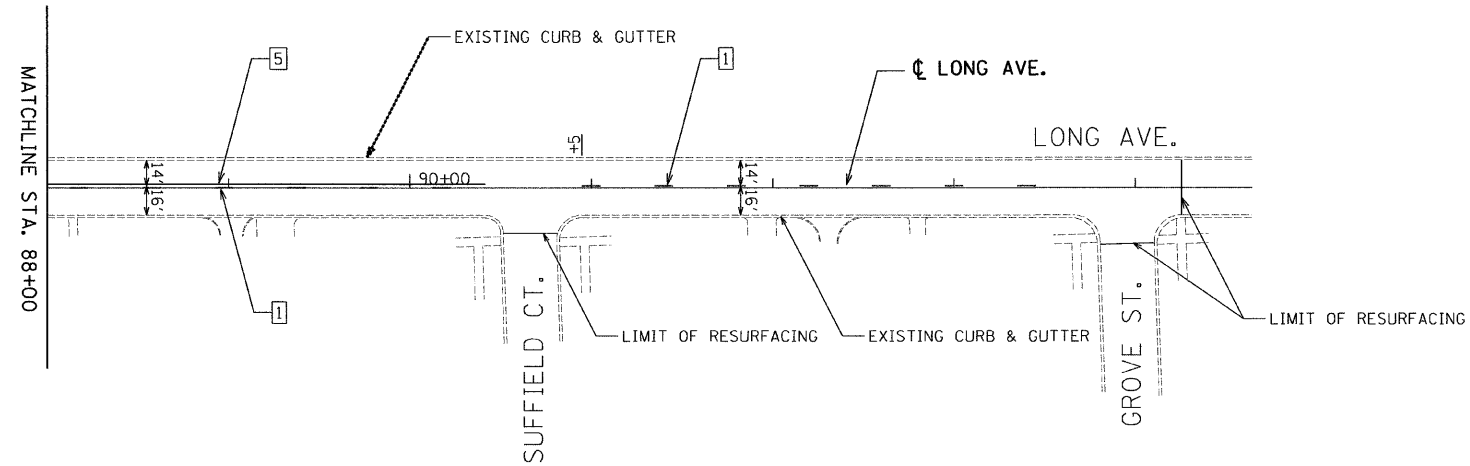
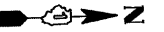
**LEGEND**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP
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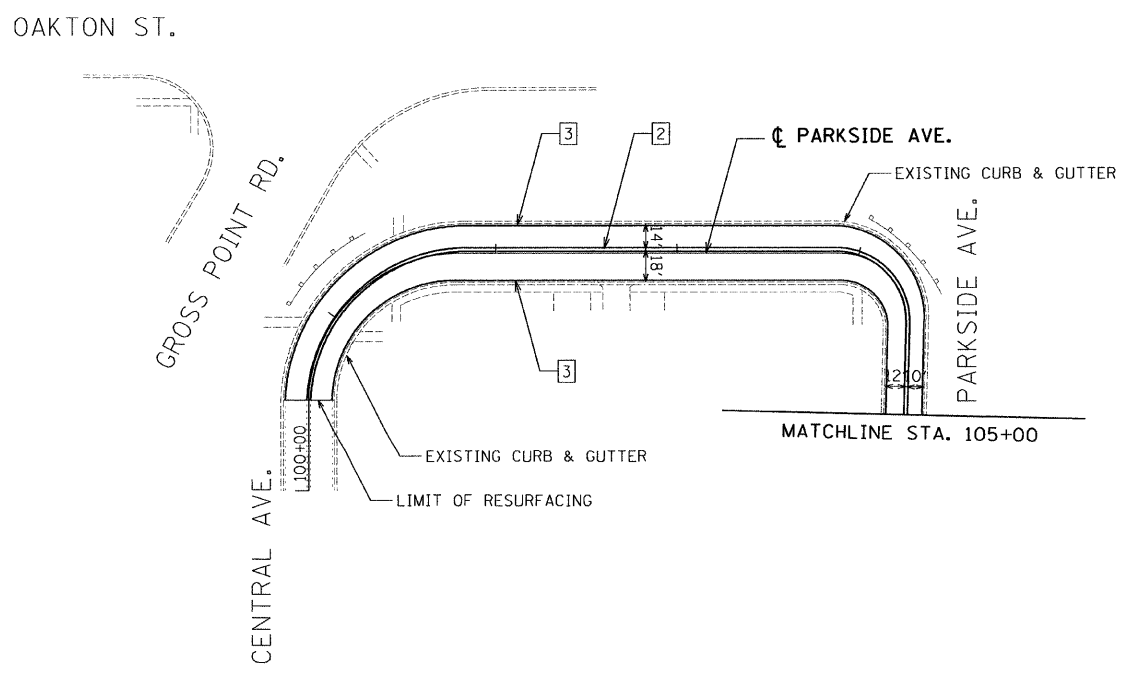
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FILE NAME =	USER NAME = _USER_	DESIGNED - AR	REVISED - EF 02-09-2010	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-94 FRONTAGE ROAD - WILLOW TO TOUHY ROADWAY AND PAVEMENT MARKING PLANS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE - 01/29/2010	REVISED -										
CONTRACT NO. 60J75													
ILLINOIS FED. AID PROJECT													



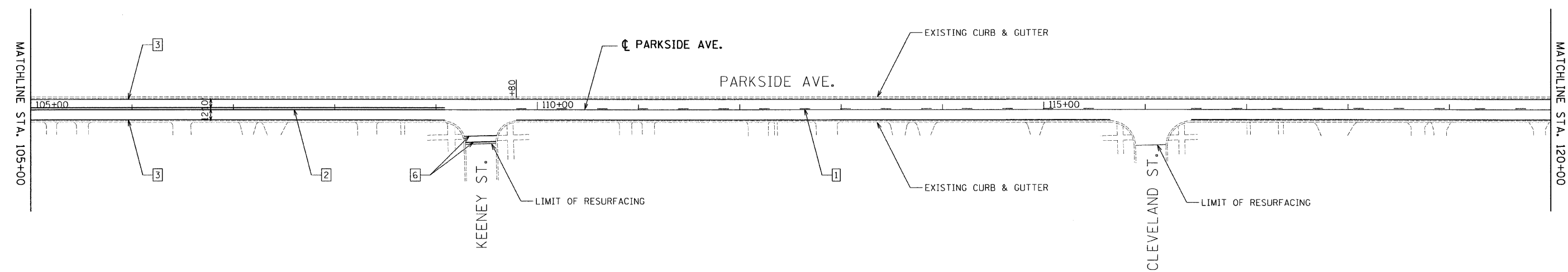
**LEGEND**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP
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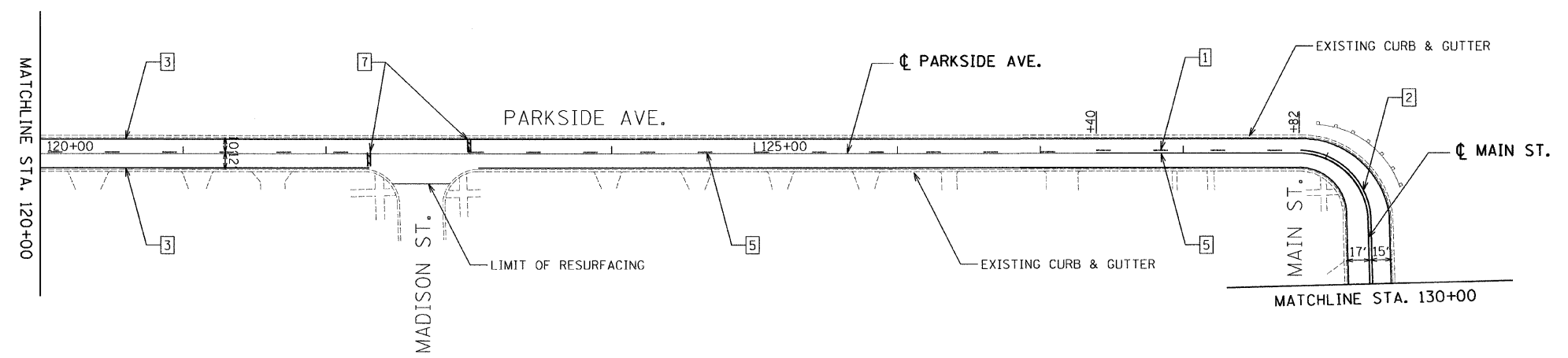
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		DATE - 01/29/2010	REVISED -		ILLINOIS FED. AID PROJECT								



**LEGEND**

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| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP | 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW |
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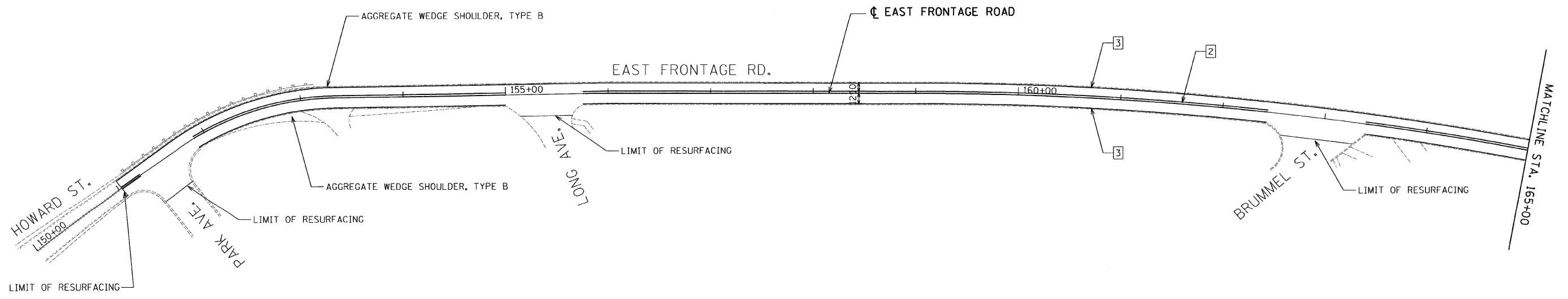
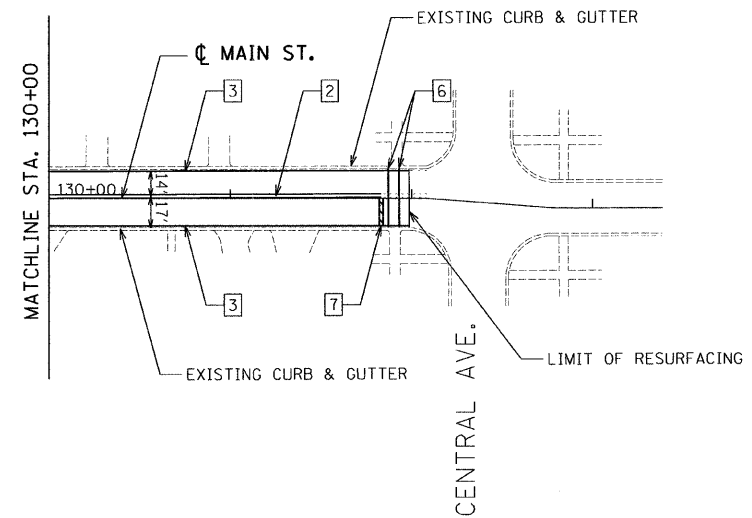


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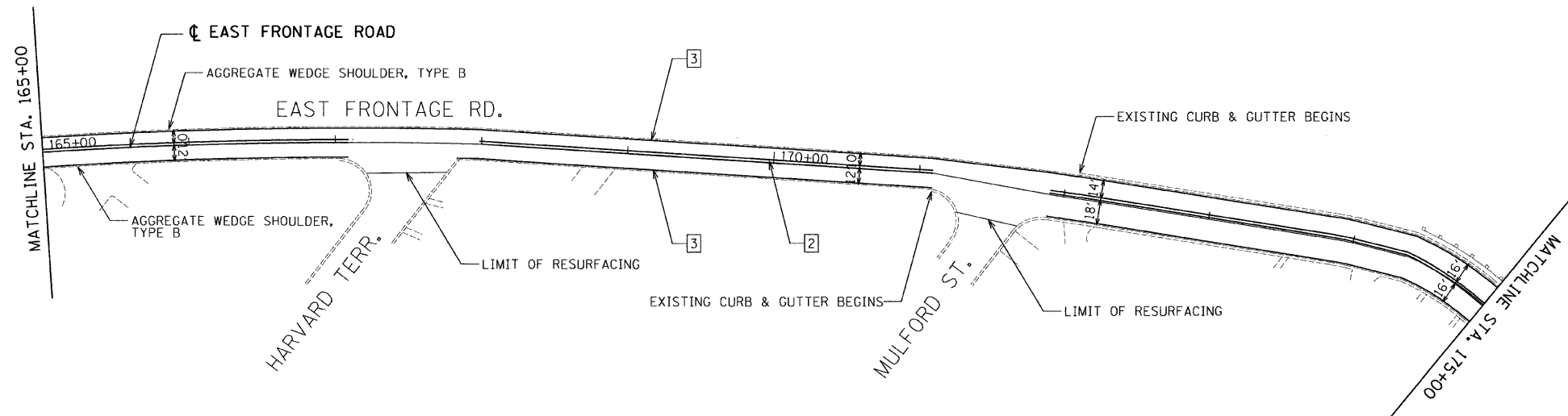
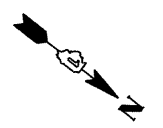
**LEGEND**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP
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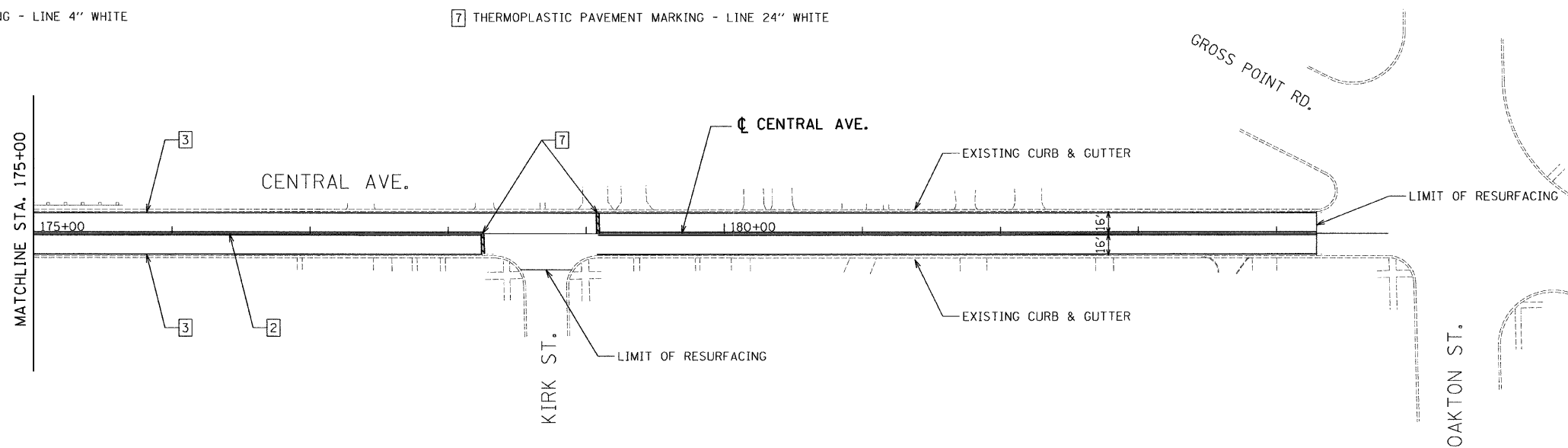
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	PLOT DATE = 2/9/2010	CHECKED - PJ	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 01/29/2010	REVISED -									



**LEGEND**

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|--|---|
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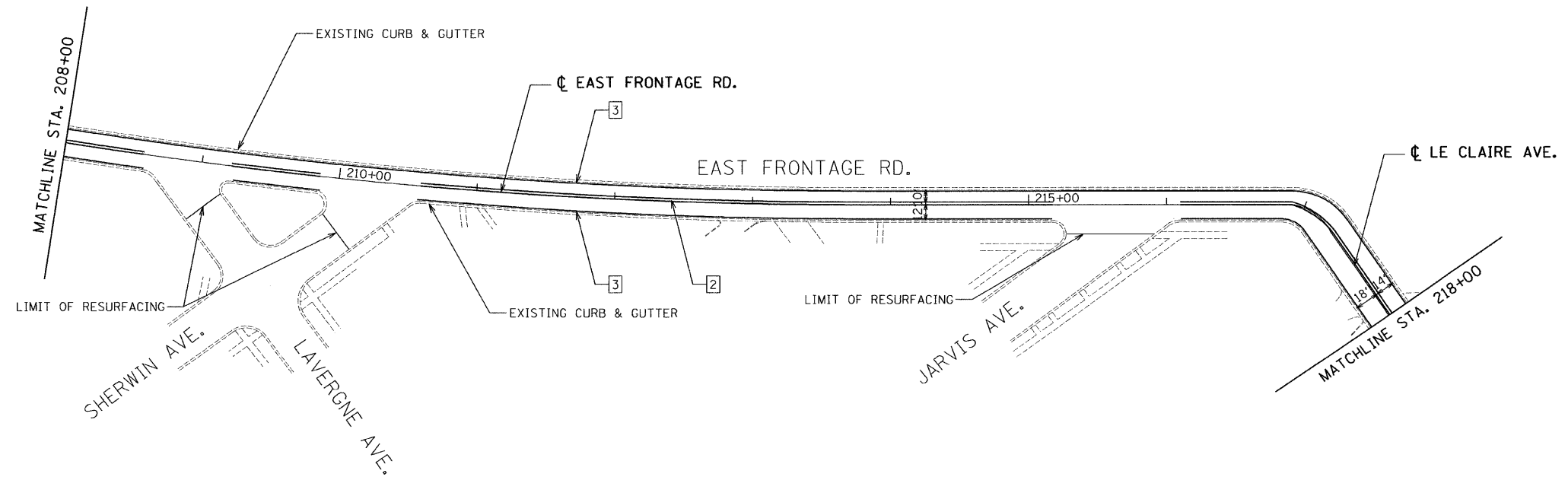
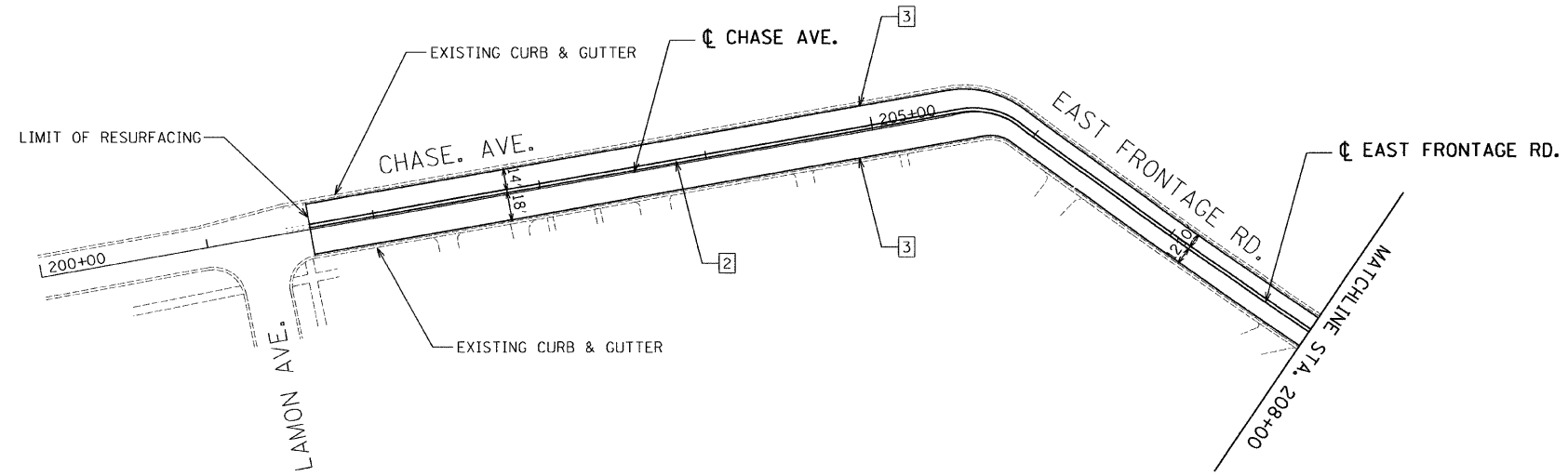


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**LEGEND**

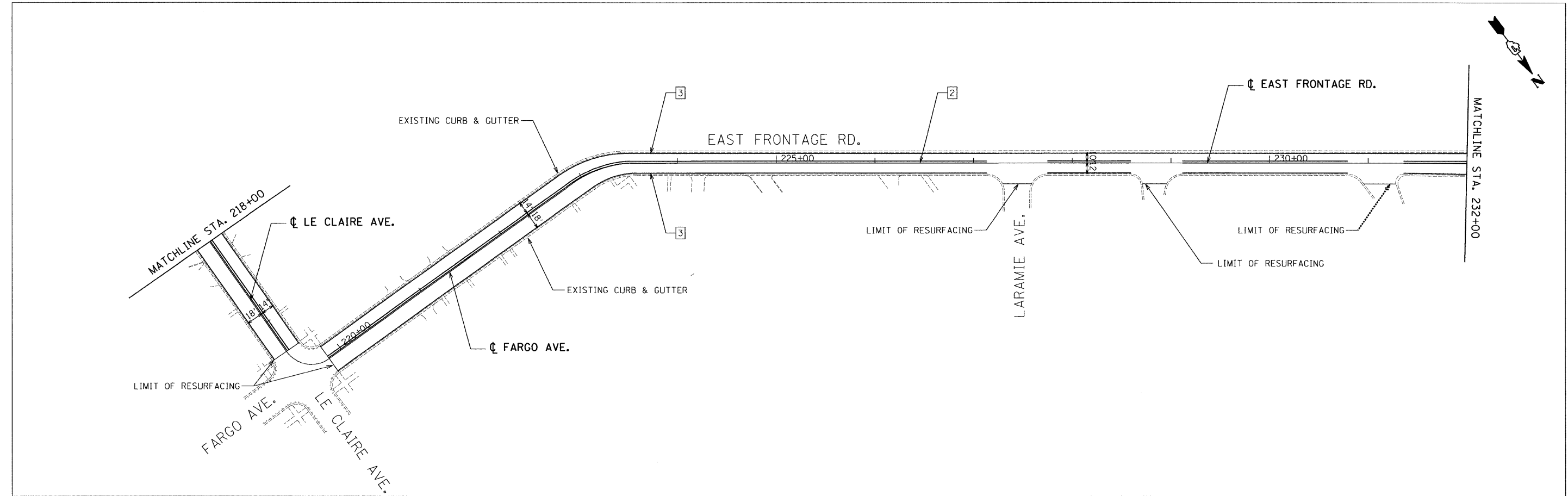
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP
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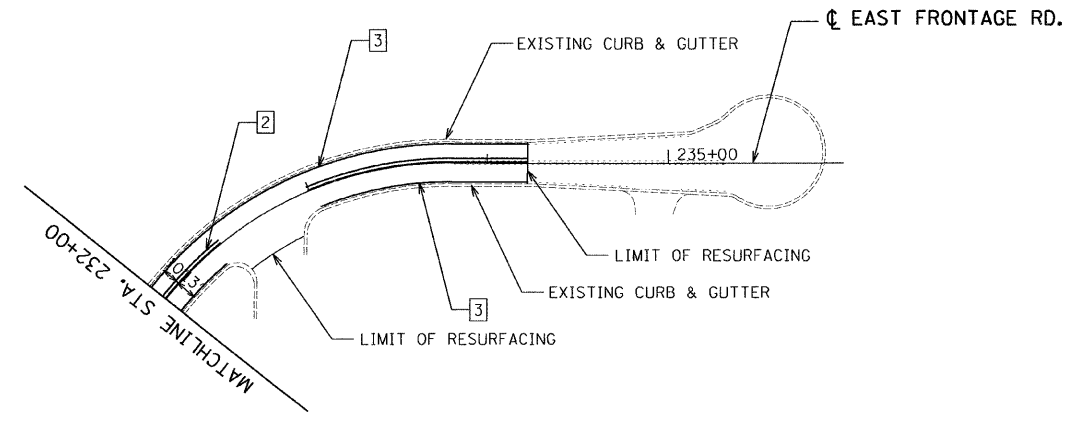
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		DATE - 01/29/2010	REVISED -		ILLINOIS FED. AID PROJECT								





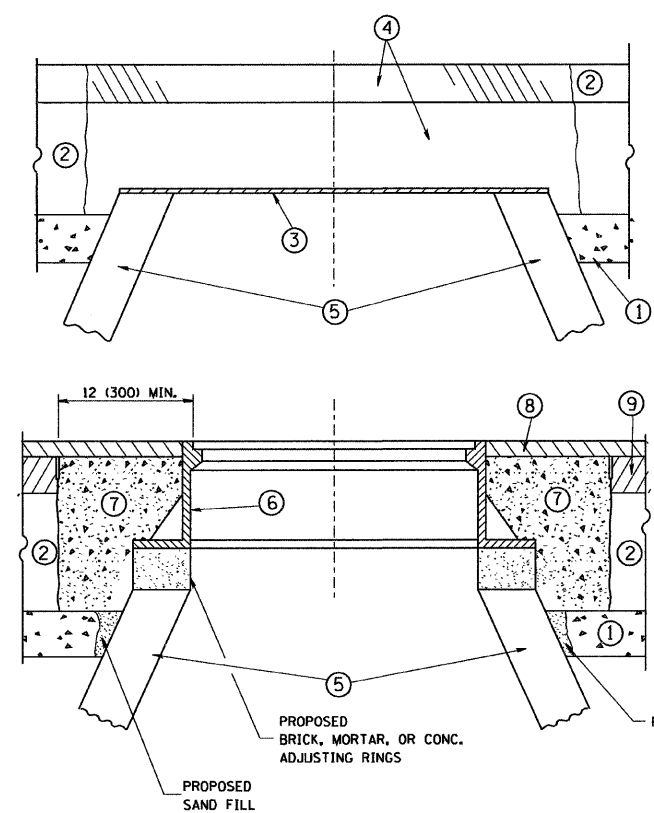
**LEGEND**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW 10' DASH, 30' SKIP
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	PLOT DATE = 2/9/2010	CHECKED - PJ	REVISED -		CONTRACT NO. 60J75									
		DATE - 01/29/2010	REVISED -		[ILLINOIS] FED. AID PROJECT									



**CONSTRUCTION PROCEDURES**

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
  - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
  - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
  - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 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.

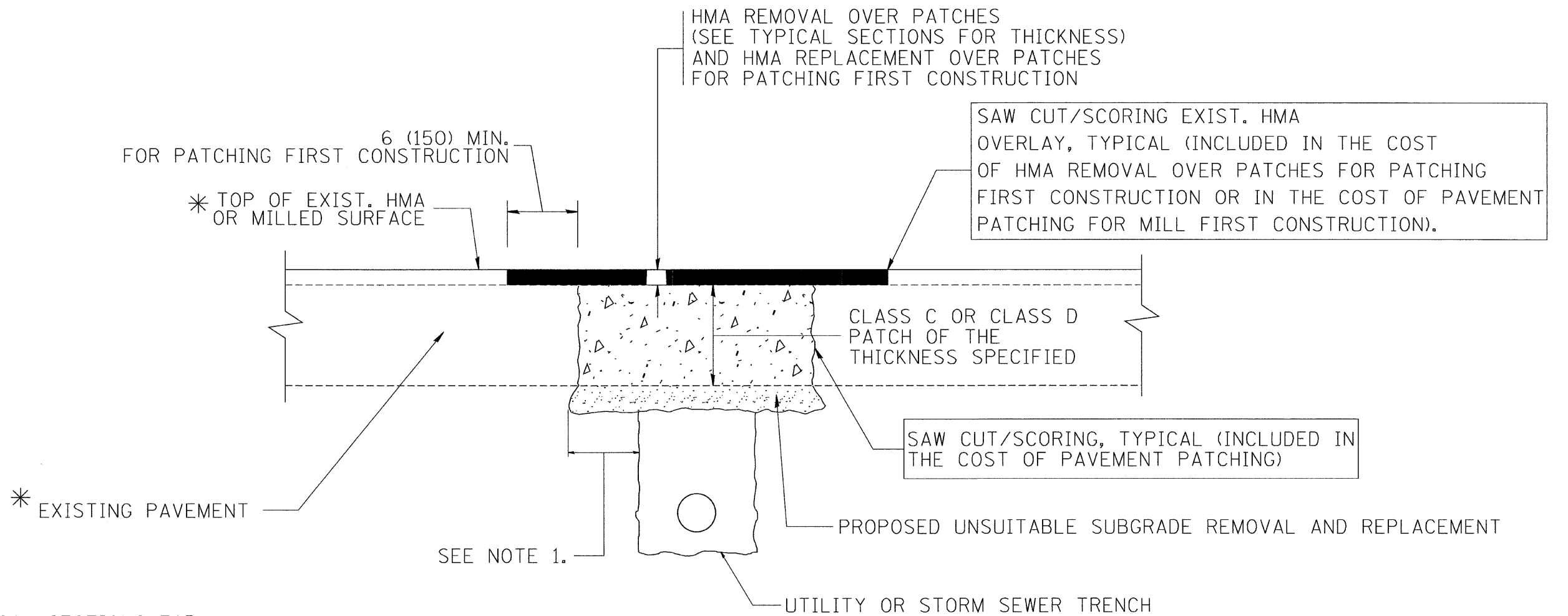
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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

FILE NAME = W:\diststd\22x34\bd08.dgn	USER NAME = gglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	94	2009-121 RS	COOK	25	18
		PLOT SCALE = 50.0000 ' / IN.	CHECKED -		REVISED - R. WIEDEMAN 05-14-04			<b>BD600-03 (BD-B)</b>		<b>CONTRACT NO. 60375</b>		
		PLOT DATE = 1/4/2008	DATE - 10-25-94		REVISED - R. BORO 01-01-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

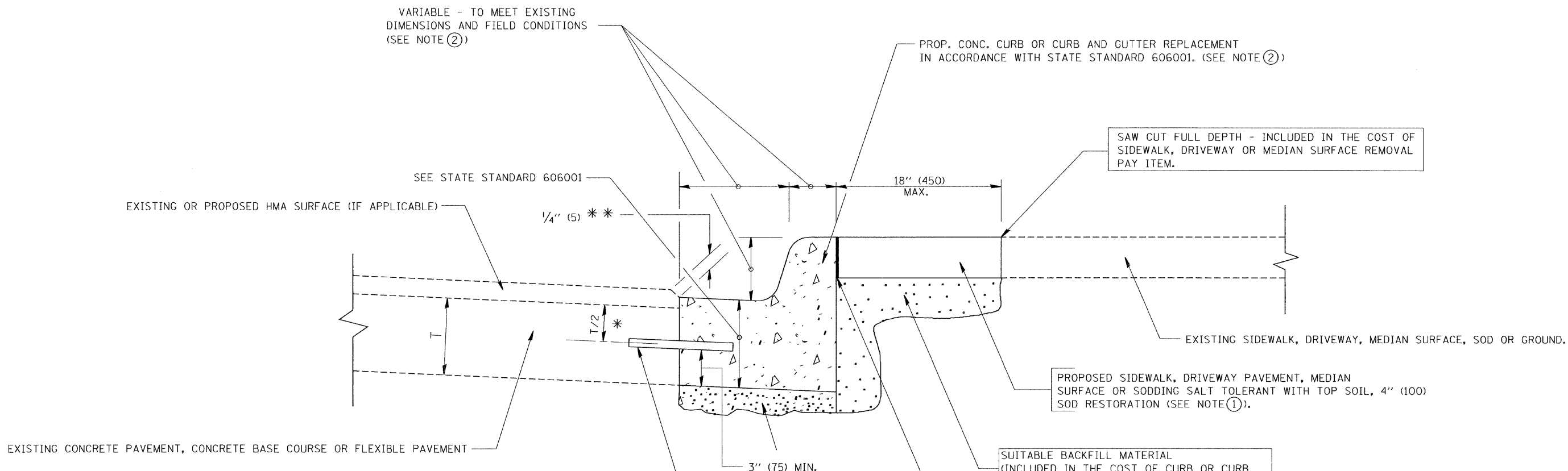
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = e:\projects\diststd22x34\bd22.dgn	USER NAME = bauerd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. BORO 01-01-07		94	2009-121 RS	COOK	25	19			
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			CONTRACT NO. 60375				
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



- \* 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.  
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

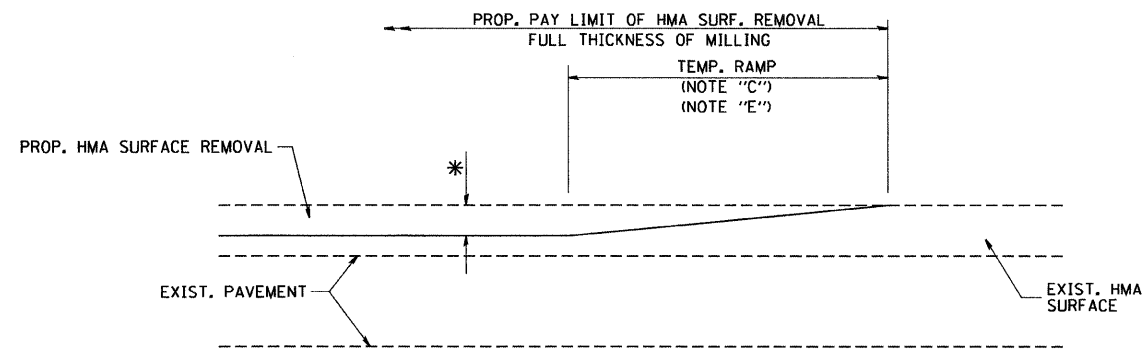
- SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL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

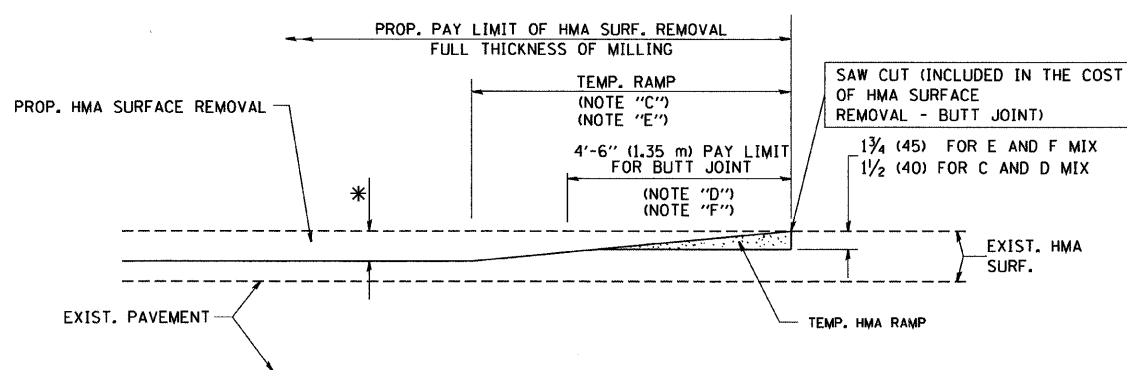
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drivakosgn	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.I. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\p\dot\drivakosgn\d0108315\bd24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01			94	2009-123 RS	COOK	25	20
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 12-15-09				<b>BD600-06 (BD-24)</b>		CONTRACT NO. 60775		
PLOT DATE = 12/15/2009	DATE - 03-11-94					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



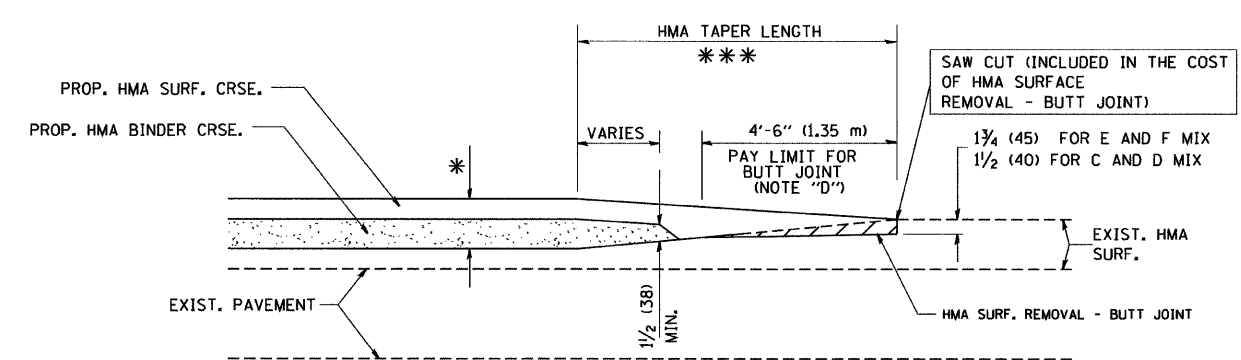
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

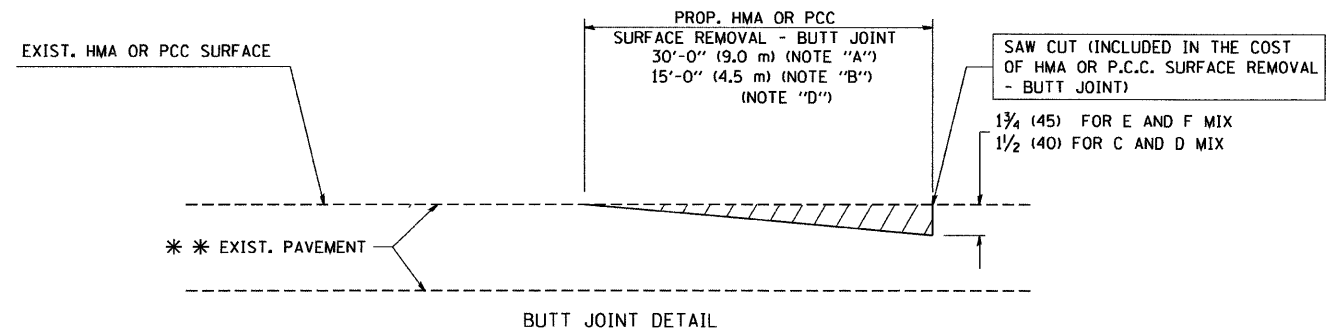


HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

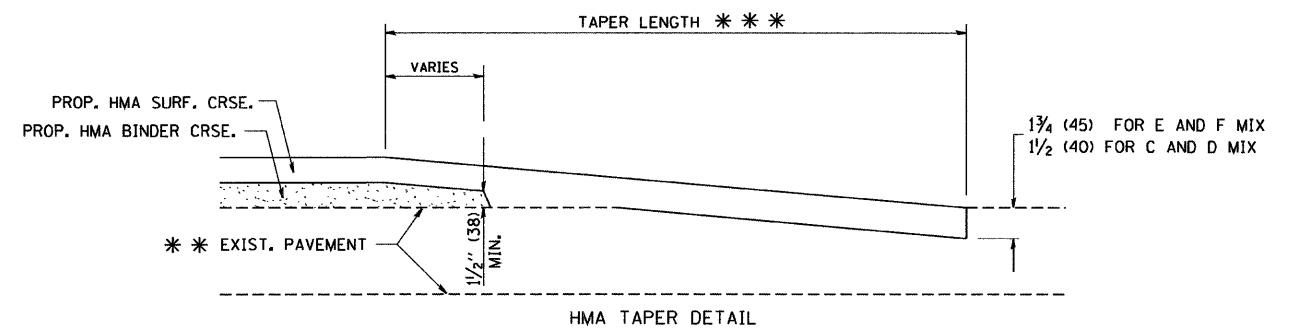
**OPTION 2  
TYPICAL TEMPORARY RAMP**



BUTT JOINT AND HMA TAPER  
**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**

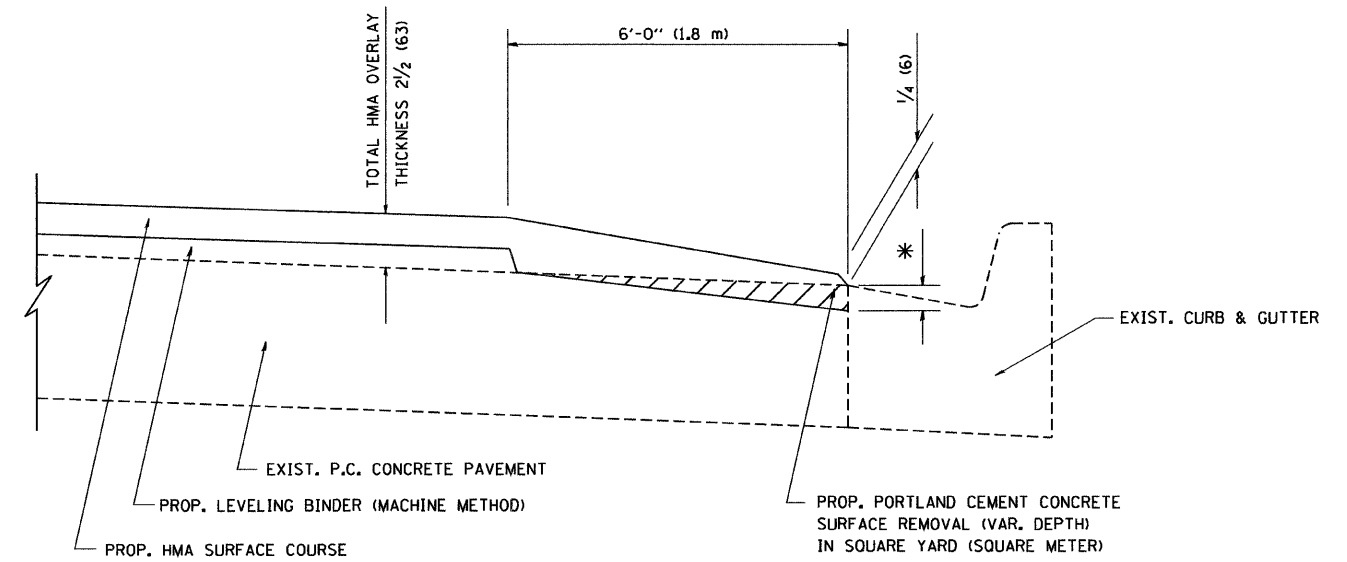
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE 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 = W:\dists\td\22x34\bd32.dgn	USER NAME = gegl1anobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>		F.A.R.T.E. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLDT SCALE = 50.0000' / IN.	CHECKED -	DATE - 06-13-90	REVISED - A. ABBAS 03-21-97		94	2009-121 RS	COOK	25	21		
PLDT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07	REVISED - M. GOMEZ 04-06-01		BD400-05 BD32		CONTRACT NO. 60J75				
							FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



HMA TAPER AT  
EDGE OF P.C.C PAVEMENT

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

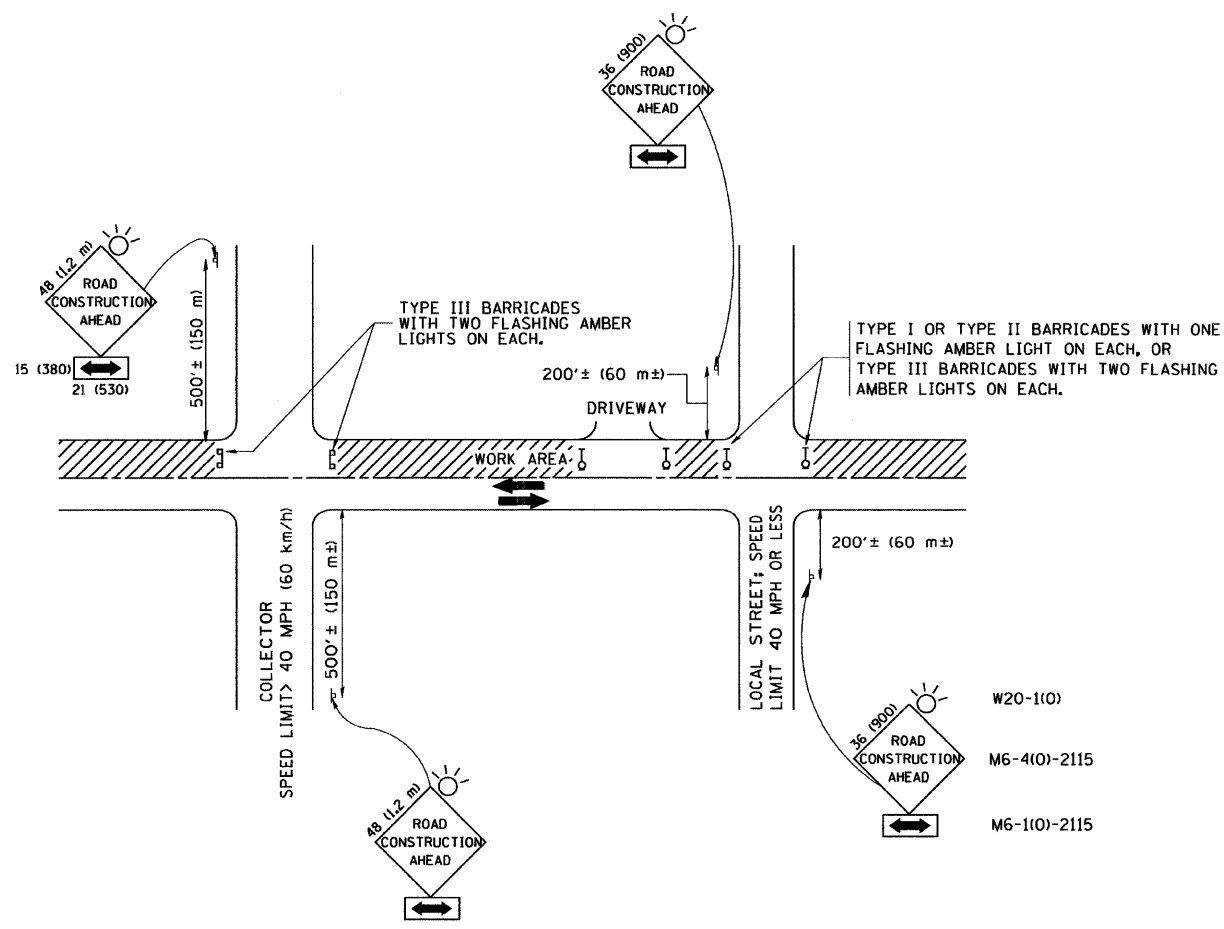
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd33.dgn	USER NAME = geglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
		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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2009-123 RS	COOK	25	22
BD400-06 (BD33)		CONTRACT NO. 60775		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

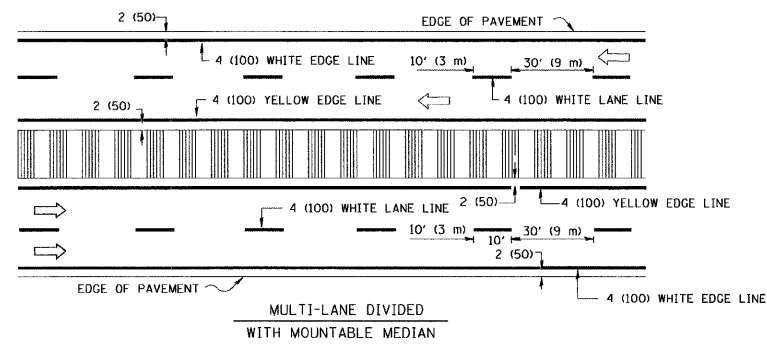
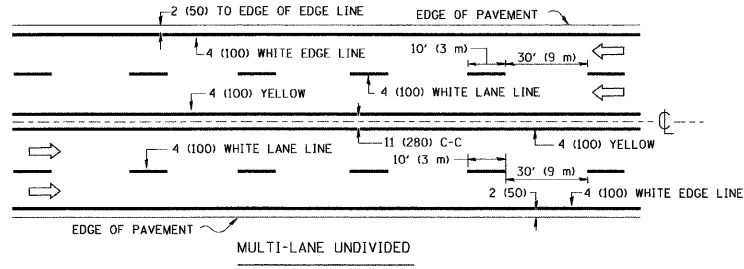
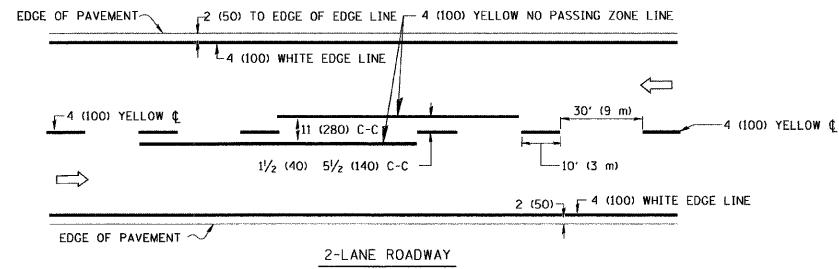
NOTES:

- 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.

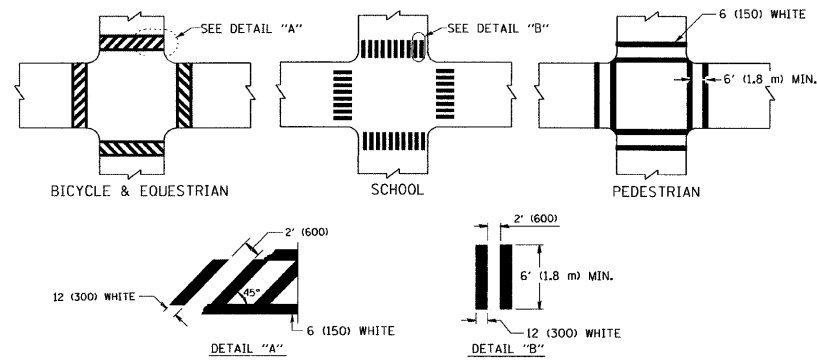
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tcl0.dgn	USER NAME = gegl1enobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 03-06-96		94	2009-121 RS	COOK	25	23			
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-10 CONTRACT NO. 60075				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT												

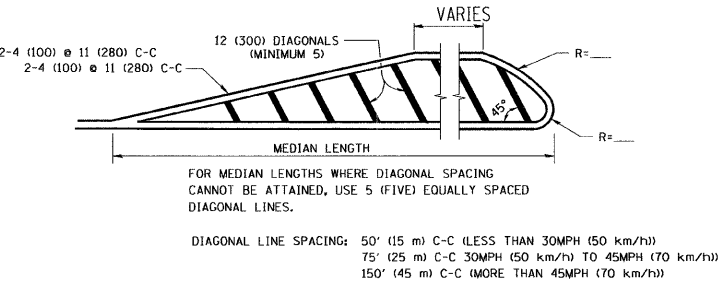
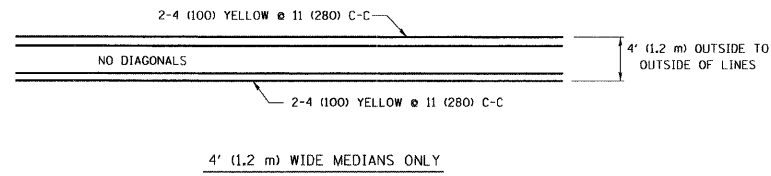


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

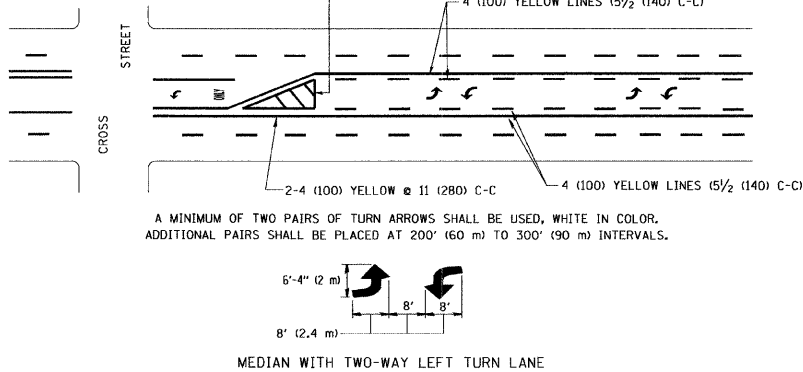
TYPICAL LANE AND EDGE LINE MARKING



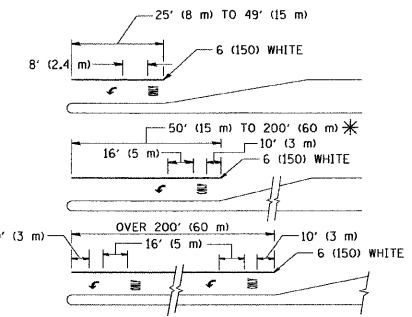
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE



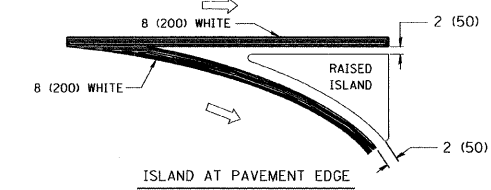
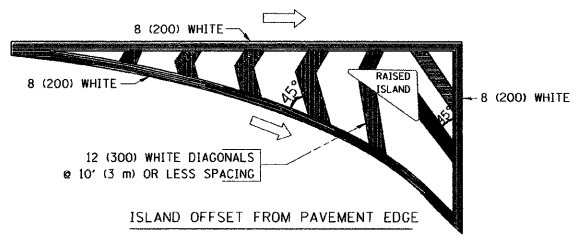
TYPICAL PAINTED MEDIAN MARKING



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>)

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

FILE NAME =	USER NAME = drvakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
\\pwwork\pwwork\drvakosgn\08100315\td3.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	2009-121 RS	COOK	25	24
TC-13			CONTRACT NO. 60375	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



