

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

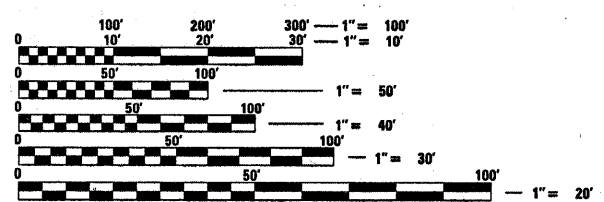
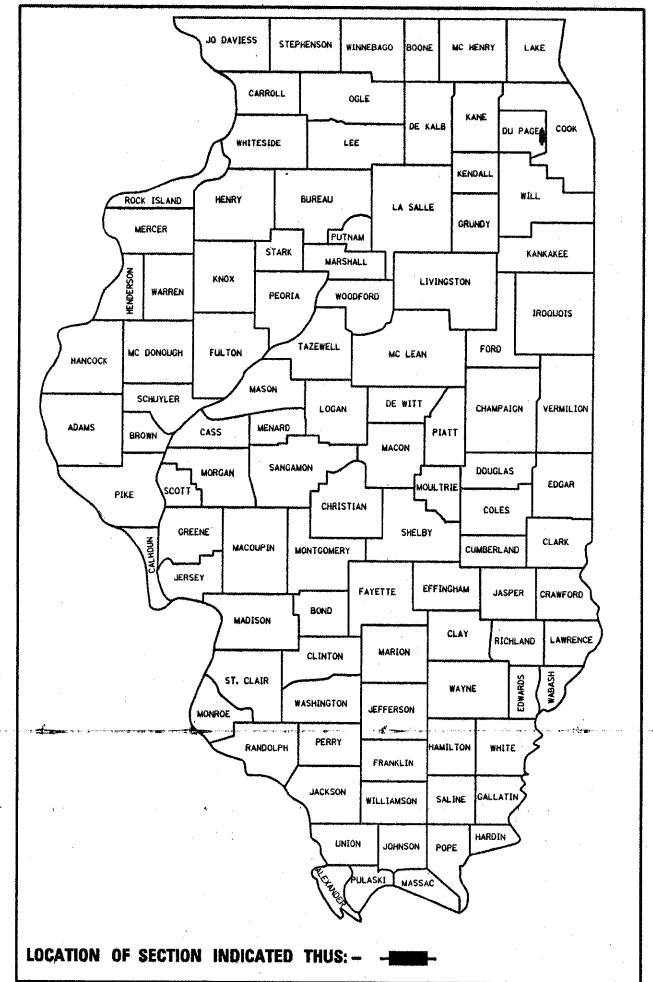
VARIOUS  
AT VARIOUS DUPAGE COUNTY LOCATIONS  
SECTION: 2010-032-PCC-PP  
RESURFACING  
DUPAGE COUNTY  
C-91-600-10

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-032-PCC-PP	DUPAGE	28	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60K79		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE CITIES OF ELMHURST AND OAKBROOK TERRACE. ALSO IN THE VILLAGES OF VILLA PARK, HINDSDALE, AND CLARENDON HILLS.

D-91-600-10

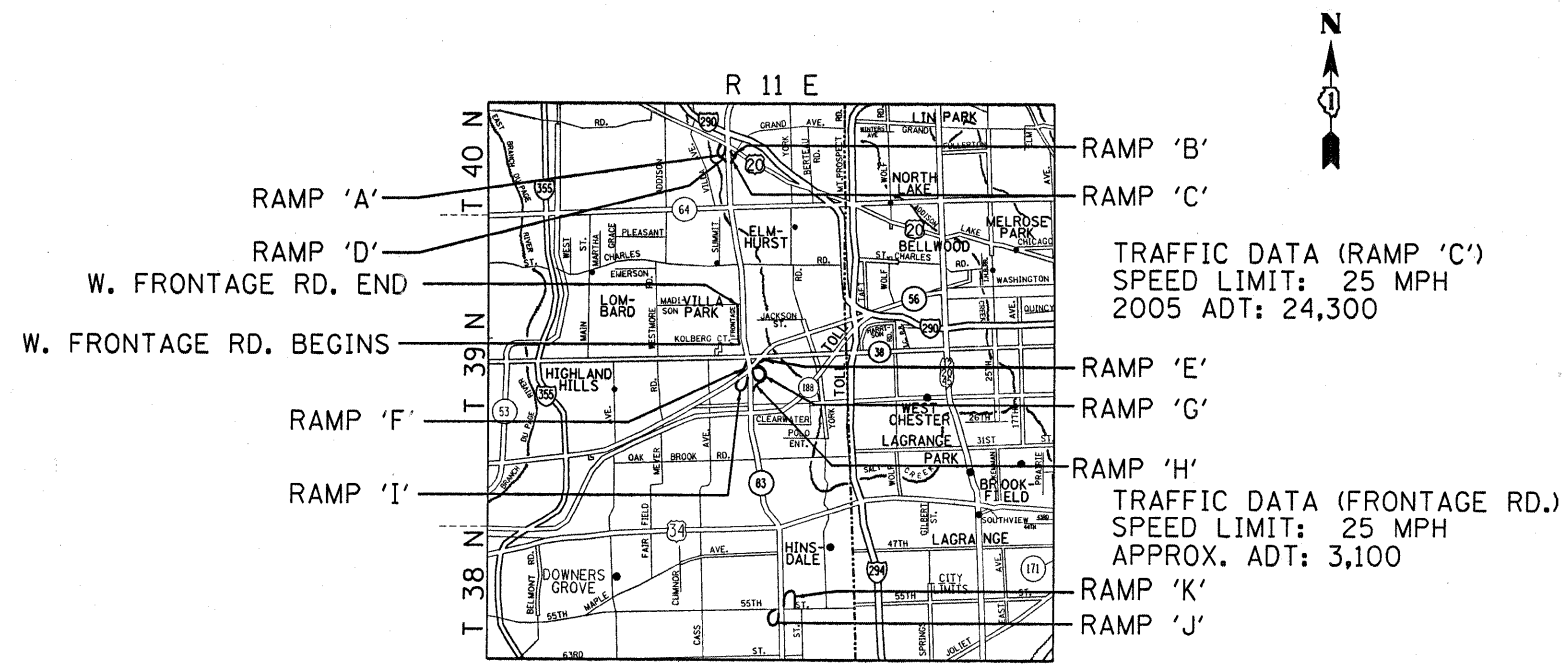


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240  
PROJECT MANAGER: KEN ENG

CONTRACT NO. 60K79



ADDISON, YORK & DOWNERS GROVE TOWNSHIPS

GROSS LENGTH OF IMPROVEMENT= NET LENGTH IMPROVEMENT = 12,529 FEET (2.4 MILES)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED MAY 19, 2010

*Diane M. O'Keefe* acting DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
JUNE 25 2010  
*Scott E. Stitt P.E.* acting ENGINEER OF DESIGN AND ENVIRONMENT  
JUNE 25 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	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
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4-6	TYPICAL SECTIONS
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17	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
18	BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS (BD-32)
19	HMA TAPER AT EDGE OF P.C.C. PAVEMENT (BD-33)
20	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL. (BD-34)
21	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
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24-25	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
26	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
27	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
28	ARTERIAL ROAD INFORMATION SIGNING (TC-22)

STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-08	STEEL PLATE BEAM GUARDRAIL
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES:

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

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITIES OF ELMHURST AND OAKBROOK TERRACE. ALSO WITH THE VILLAGES OF VILLA PARK, HINDSDALE, AND CLARENDON HILLS.

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

ALL HOT-MIX ASPHALT PAVEMENT PATCHING SHALL BE CLASS D.

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.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80KM/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).

10 FEET (3 METER) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

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

TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS, CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT (847) 741-5302.

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

THE UNIT WEIGHT (CONVERSION FACTOR) QUOTED IS FOR THE ESTIMATING PLAN QUANTITIES ONLY. ACTUAL QUANTITIES TO FULFILL CONTRACT REQUIREMENTS WILL BE DETERMINED BASED ON UNIT WEIGHT OF APPROVED MIX DESIGN, PLAN DIMENSIONS, AND DENSITY LIMITATIONS. MAXIMUM PAYMENT WILL BE COMPUTED BASED ON WEIGHT AVERAGE DENSITIES OF THE IN-PLACE MIXTURE.

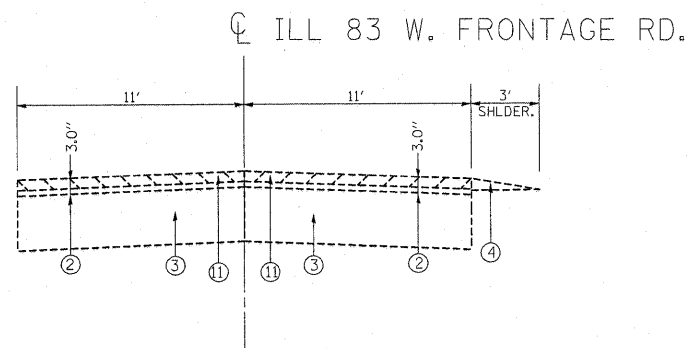
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

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

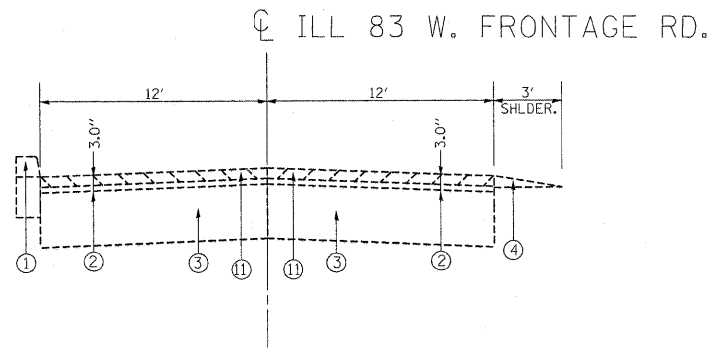
FILE NAME =	USER NAME = abreuah	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>VARIOUS AT VARIOUS DUPAGE COUNTY LOCATIONS</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\abreuah\d0286143\0160010-Design\B3WFrontage.dgn		DRAWN -	REVISED -		<b>INDEX OF SHEETS STATE STANDARDS AND GENERAL NOTES</b>				VAR.	2010-032-PCC-PP	DUPAGE	28	2
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA.	TO STA.	<b>CONTRACT NO. 60K79</b>		
	PLOT DATE = 5/24/2010	DATE -	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT								

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	URBAN 1001 STATE						CODE NO	ITEM	UNIT	URBAN 1001 STATE						
			TOTAL QUANTITIES	1000-2A RAMP	1000-2A FRONTAGE ROAD							TOTAL QUANTITIES	1000-2A RAMP	1000-2A FRONTAGE				
20201006	GRADING AND SHAPING SHOULDERS	UNIT	147	147					70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	19240	17734	1506				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	30	21.4	8.6				70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	135		135				
40600300	AGGREGATE (PRIME COAT)	TON	150	107	43				70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	300	300					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	106	90	16				70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	23		23				
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	464	19	445				70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	6413	5911	502				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1					* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	36.4		36.4				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	950	880	70				* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19240	17734	1506				
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	1294	1294					* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	135		135				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1405	1405					* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	300	300					
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	2039	2039					* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	23		23				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1749	843	906				* 78200420	GUARDRAIL MARKERS, TYPE B	EACH	38	38					
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	1624	1624					* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	8					
42001300	PROTECTIVE COAT	SO YD	33	33					X0322256	TEMPORARY INFORMATION SIGNING	SO FT	51.4		51.4				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	10789		10789				X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	1432	1432					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	449	449					X7011015	TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS)	L SUM	1	1					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	150	150														
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	1499	1131	368													
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	330	250	80													
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	320	240	80													
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1174	1174														
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	150	150														
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1232	1232														
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	8														
* 63200310	GUARDRAIL REMOVAL	FOOT	1645	1645														
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6														
67100100	MOBILIZATION	L SUM	1	1														
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1													
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1													
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	36.4		36.4													

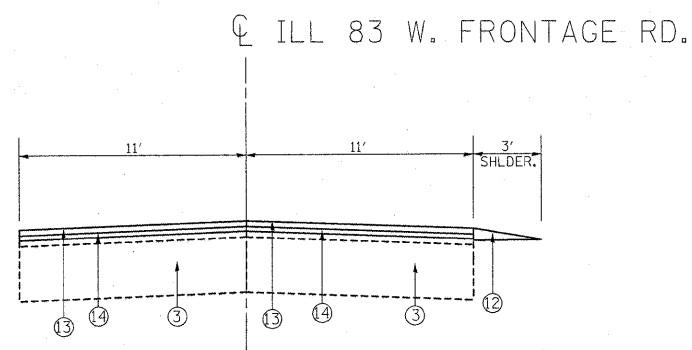
\* SPECIALTY ITEMS



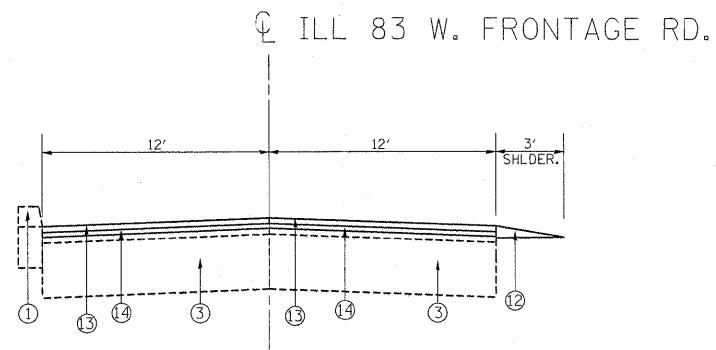
EXISTING TYPICAL SECTION  
ILL 83 W. FRONTAGE RD.  
STA. 00+36 TO STA. 10+00



EXISTING TYPICAL SECTION  
ILL 83 W. FRONTAGE RD.  
STA. 10+00 TO STA. 35+00



PROPOSED TYPICAL SECTION  
ILL 83 W. FRONTAGE RD.  
STA. 00+36 TO STA. 10+00



PROPOSED TYPICAL SECTION  
ILL 83 W. FRONTAGE RD.  
STA. 10+00 TO STA. 35+00

\* NOTE: CONTRACTOR SHALL MILL FIRST

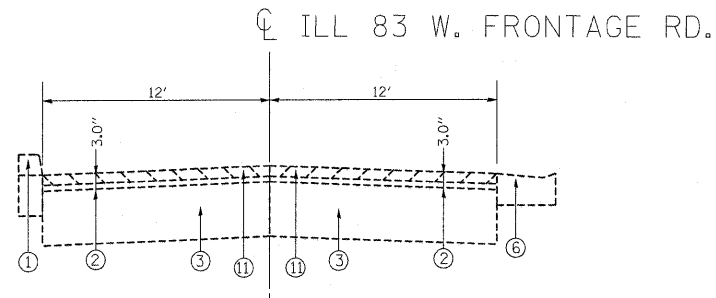
HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
<b>RESURFACING (OVER BARE CONCRETE RAMPS)</b>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	4% @ 90 GYR
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR
<b>RESURFACING (OVER RAMP SHOULDERS)</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL 9.5 mm)	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 GYR
<b>RESURFACING (FRONTAGE RD.)</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL 9.5 mm)	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR
<b>RESURFACING (HMA RAMPS)</b>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	4% @ 90 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR

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

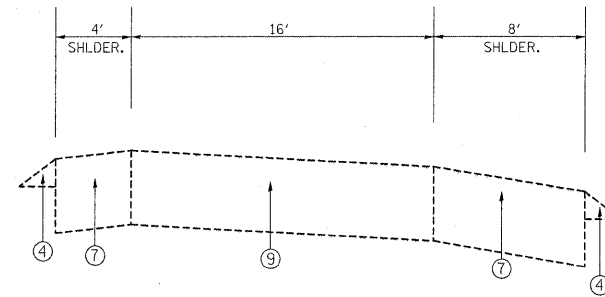
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

**LEGEND:**

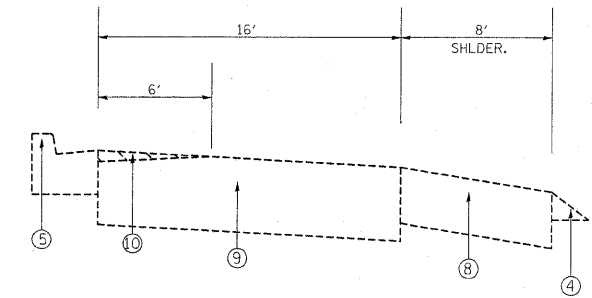
- |   |  |
|---|--|
| ① EXISTING CONCRETE CURB TYP B MOD.     | ⑩ PROPOSED PCC SURFACE REMOVAL (VAR. DEPTH), PER STD. BD-33                  |
| ② EXISTING HOT-MIX ASPHALT OVERLAY, ±3" | ⑪ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" *                         |
| ③ EXISTING HMA BASE COURSE ±8"          | ⑫ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B                                  |
| ④ EXISTING AGGREGATE SHOULDER TYP. B    | ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL 9.5 mm); 1 1/2" |
| ⑤ EXISTING CURB & GUTTER                | ⑭ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"  |
| ⑥ EXISTING DEPRESSED CURB               | ⑮ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/2"               |
| ⑦ EXISTING PCC SHOULDER 10"             | ⑯ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 1 3/4"   |
| ⑧ EXISTING HMA SHOULDER 8"              | ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 2 1/4"   |
| ⑨ EXISTING PCC PAVEMENT ±9"             | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" *                         |



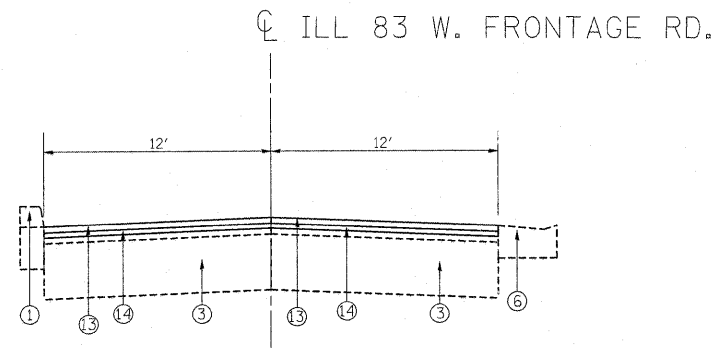
EXISTING TYPICAL SECTION  
ILL 83 W. FRONTAGE RD.  
STA. 35+00 TO STA. 40+25



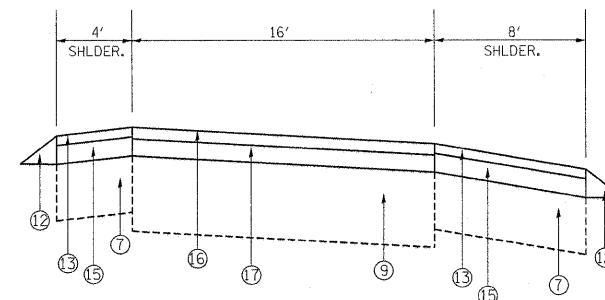
EXISTING TYPICAL SECTION  
(ADJACENT TO PCC SHLDER.)  
RAMP 'K' STA. 10+00 TO STA 11+21



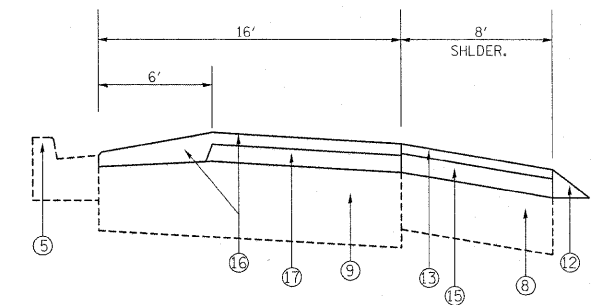
EXISTING TYPICAL SECTION  
RAMP RESURFACING ADJACENT TO CURB  
RAMP 'A' STA. 22+00 TO STA. 25+63  
RAMP 'D' STA. 44+74 TO STA. 48+85  
RAMP 'K' STA. 13+84 TO STA. 18+92  
RAMP 'J' (PORTION OF RAMP EXIT W/B 55TH ST.)



PROPOSED TYPICAL SECTION  
ILL 83 W. FRONTAGE RD.  
STA. 35+00 TO STA. 40+25



PROPOSED TYPICAL SECTION  
(ADJACENT TO PCC SHLDER.)  
RAMP 'K' STA. 10+00 TO STA 11+21

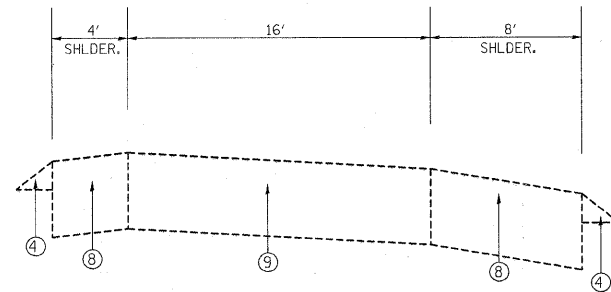


PROPOSED TYPICAL SECTION  
RAMP RESURFACING ADJACENT TO CURB  
RAMP 'A' STA. 22+00 TO STA. 25+63  
RAMP 'D' STA. 44+74 TO STA. 48+85  
RAMP 'K' STA. 13+84 TO STA. 18+92  
RAMP 'J' (PORTION OF RAMP EXIT W/B 55TH ST.)

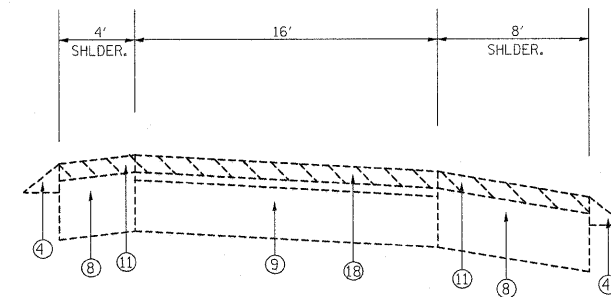
**LEGEND:**

- |   |   |
|---|---|
| ① EXISTING CONCRETE CURB TYP B MOD.     | ⑩ PROPOSED PCC SURFACE REMOVAL (VAR. DEPTH), PER STD. BD-33                   |
| ② EXISTING HOT-MIX ASPHALT OVERLAY, ±3" | ⑪ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" *                          |
| ③ EXISTING HMA BASE COURSE ±8"          | ⑫ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B                                   |
| ④ EXISTING AGGREGATE SHOULDER TYP. B    | ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL 9.5 mm); 1 1/2 " |
| ⑤ EXISTING CURB & GUTTER                | ⑭ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"   |
| ⑥ EXISTING DEPRESSED CURB               | ⑮ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/2"                |
| ⑦ EXISTING PCC SHOULDER 10"             | ⑯ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 1 3/4"    |
| ⑧ EXISTING HMA SHOULDER 8"              | ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 2 1/4"    |
| ⑨ EXISTING PCC PAVEMENT ±9"             | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" *                          |

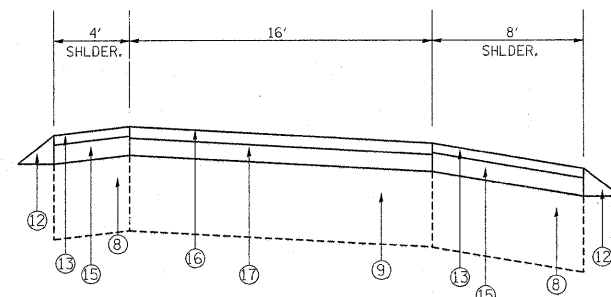
FILE NAME =	USER NAME = abreuh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>VARIOUS AT VARIOUS DUPAGE COUNTY LOCATIONS TYPICAL SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pw\work\p\dot\abreuh\d0206143\01600	10-Design83WFrontage.dgn	DRAWN -	REVISED -					VAR.	2010-032-PCC-PP	DUPAGE	28	5
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 60K79				
	PLOT DATE = 5/24/2010	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



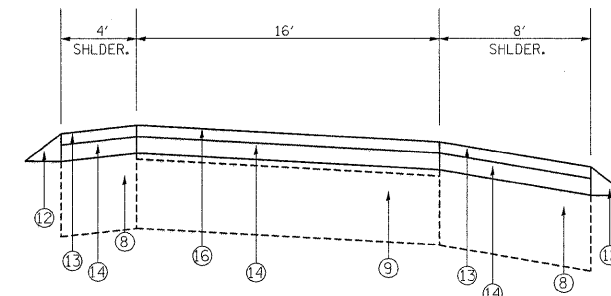
EXISTING TYPICAL SECTION  
 RAMPS ADJACENT TO HMA SHOULDERS  
 RAMPS 'B', 'C', 'F', 'H' & 'I'  
 RAMP 'A' STA. 18+48 TO STA. 22+00  
 RAMP 'D' STA. 48+85 TO STA. 53+96  
 RAMP 'E' STA. 1+99 TO STA. 7+41  
 RAMP 'G' STA. 1+65 TO STA. 13+17  
 RAMP 'J' STA. 10+99 TO STA. 22+61  
 RAMP 'K' STA. 11+21 TO STA. 13+84



EXISTING TYPICAL SECTION  
 (HMA RAMPS)  
 RAMPS 'E' STA. 0+13 TO STA. 1+99  
 RAMPS 'G' STA. 13+17 TO STA. 14+13



PROPOSED TYPICAL SECTION  
 RAMPS ADJACENT TO HMA SHOULDERS  
 RAMPS 'B', 'C', 'F', 'H' & 'I'  
 RAMP 'A' STA. 18+48 TO STA. 22+00  
 RAMP 'D' STA. 48+85 TO STA. 53+96  
 RAMP 'E' STA. 1+99 TO STA. 7+41  
 RAMP 'G' STA. 1+65 TO STA. 13+17  
 RAMP 'J' STA. 10+99 TO STA. 22+61  
 RAMP 'K' STA. 11+21 TO STA. 13+84

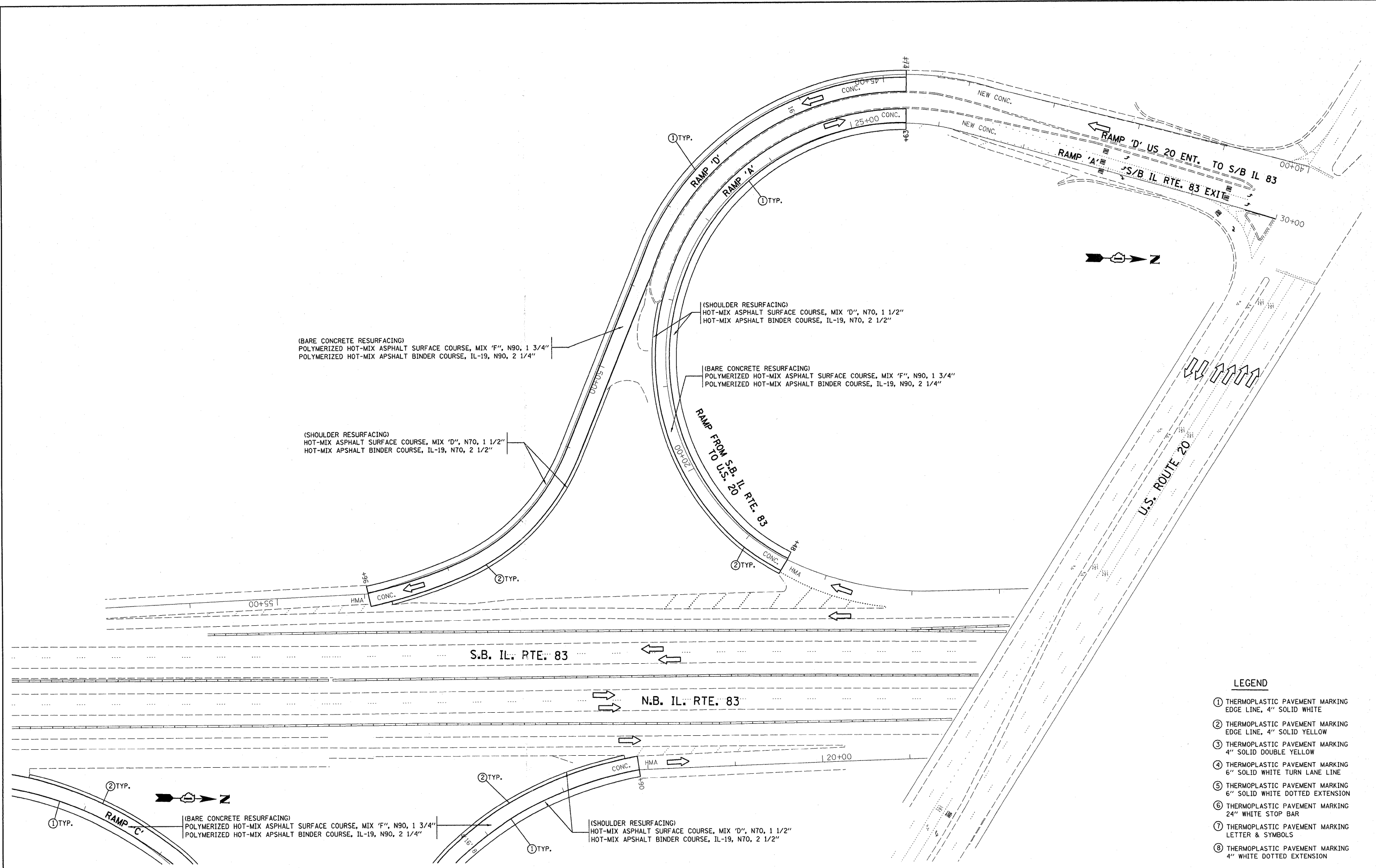


PROPOSED TYPICAL SECTION  
 (HMA RAMPS)  
 RAMPS 'E' STA. 0+13 TO STA. 1+99  
 RAMPS 'G' STA. 13+17 TO STA. 14+13

**LEGEND:**

- |   |   |
|---|---|
| ① EXISTING CONCRETE CURB TYP B MOD.     | ⑩ PROPOSED PCC SURFACE REMOVAL (VAR. DEPTH), PER STD. BD-33                   |
| ② EXISTING HOT-MIX ASPHALT OVERLAY, ±3" | ⑪ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"*                           |
| ③ EXISTING HMA BASE COURSE ±8"          | ⑫ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B                                   |
| ④ EXISTING AGGREGATE SHOULDER TYP. B    | ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL 9.5 mm); 1 1/2 " |
| ⑤ EXISTING CURB & GUTTER                | ⑭ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"   |
| ⑥ EXISTING DEPRESSED CURB               | ⑮ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/2"                |
| ⑦ EXISTING PCC SHOULDER 10"             | ⑯ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 1 3/4"    |
| ⑧ EXISTING HMA SHOULDER 8"              | ⑰ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 2 1/4"    |
| ⑨ EXISTING PCC PAVEMENT ±9"             | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"*                           |

FILE NAME =	USER NAME = obreuh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>VARIOUS AT VARIOUS DUPAGE COUNTY LOCATIONS TYPICAL SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/24/2010	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 60K79				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



(BARE CONCRETE RESURFACING)  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 2 1/4"

(SHOULDER RESURFACING)  
 HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2"

(BARE CONCRETE RESURFACING)  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 2 1/4"

(SHOULDER RESURFACING)  
 HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2"

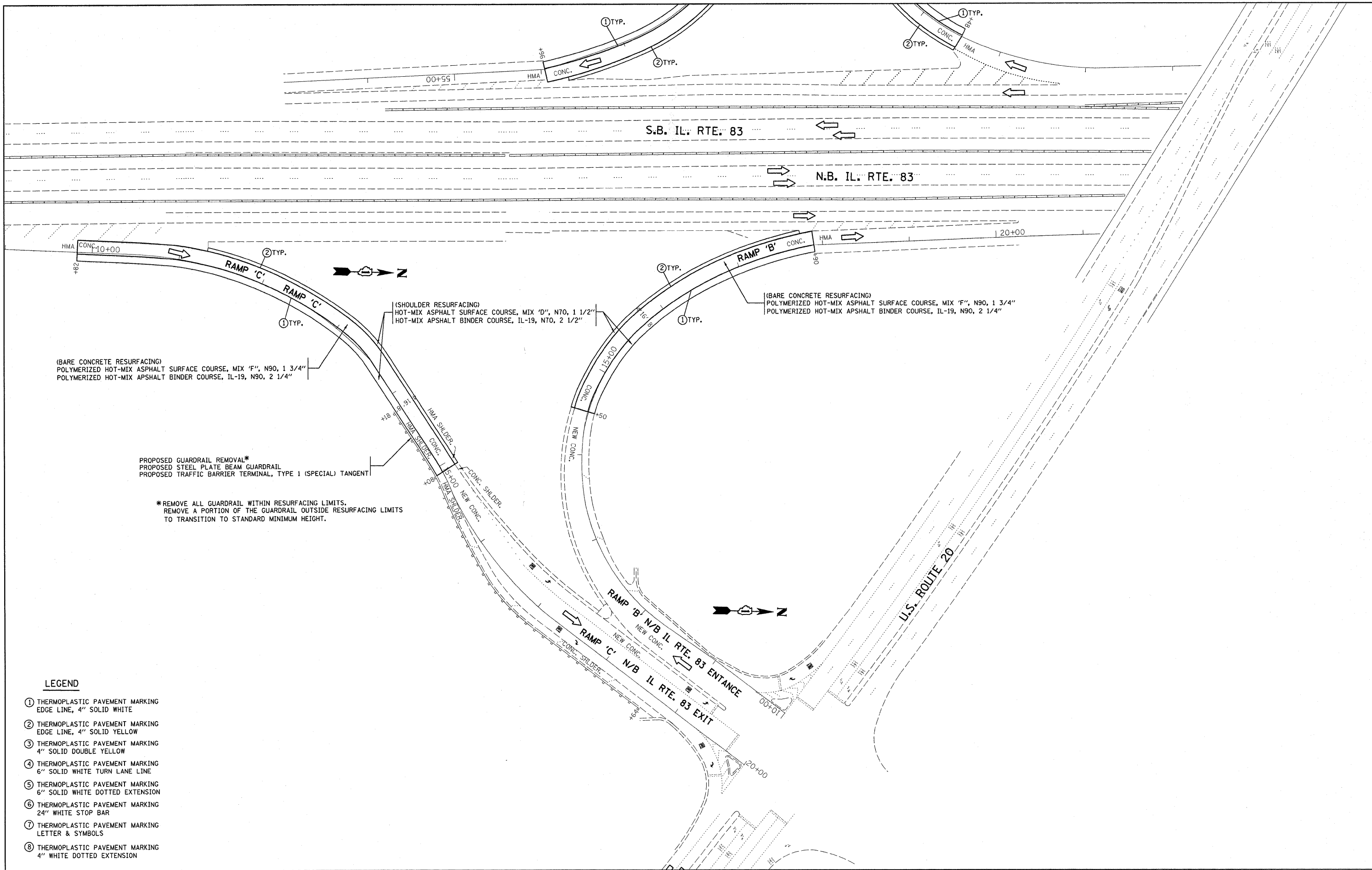
(SHOULDER RESURFACING)  
 HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2"

(BARE CONCRETE RESURFACING)  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 2 1/4"

**LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

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	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60K79	
	PLOT DATE = 5/24/2010	DATE -	REVISED -								ILLINOIS FED. AID PROJECT	



(BARE CONCRETE RESURFACING)  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 2 1/4"

(SHOULDER RESURFACING)  
 HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2"  
 HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2"

(BARE CONCRETE RESURFACING)  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 2 1/4"

PROPOSED GUARDRAIL REMOVAL\*  
 PROPOSED STEEL PLATE BEAM GUARDRAIL  
 PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

\* REMOVE ALL GUARDRAIL WITHIN RESURFACING LIMITS.  
 REMOVE A PORTION OF THE GUARDRAIL OUTSIDE RESURFACING LIMITS  
 TO TRANSITION TO STANDARD MINIMUM HEIGHT.

**LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

FILE NAME =	USER NAME = abreuah	DESIGNED -	REVISED -
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PLOT DATE = 5/25/2010		DATE -	REVISED -

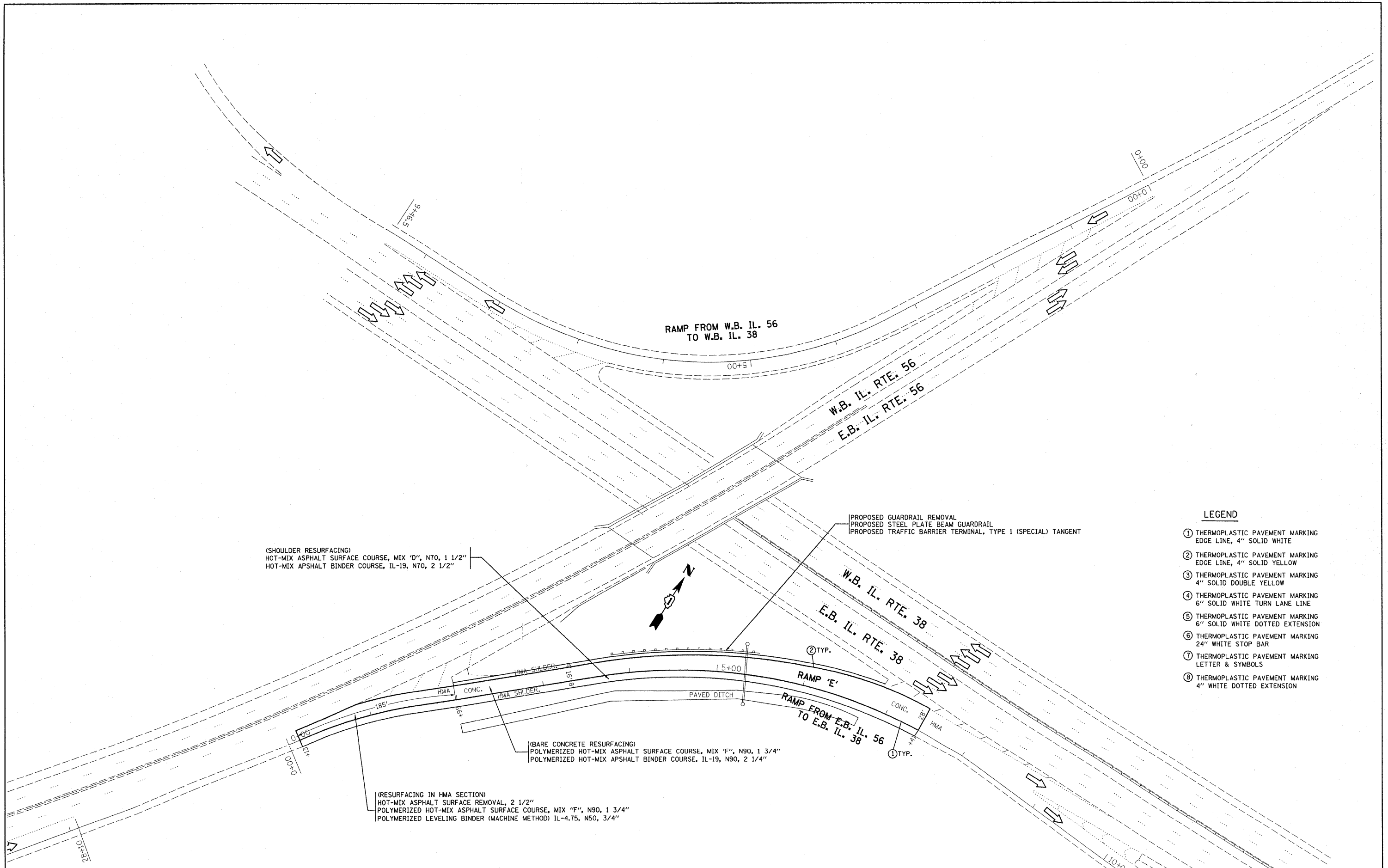
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 20 AT IL. RTE. 83  
 RAMP 'B' & RAMP 'C'**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-032-PCC-PP	DUPAGE	28	8
CONTRACT NO. 60K79				
ILLINOIS FED. AID PROJECT				





(SHOULDER RESURFACING)  
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2"  
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/2"

(BARE CONCRETE RESURFACING)  
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 2 1/4"

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

PROPOSED GUARDRAIL REMOVAL  
PROPOSED STEEL PLATE BEAM GUARDRAIL  
PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

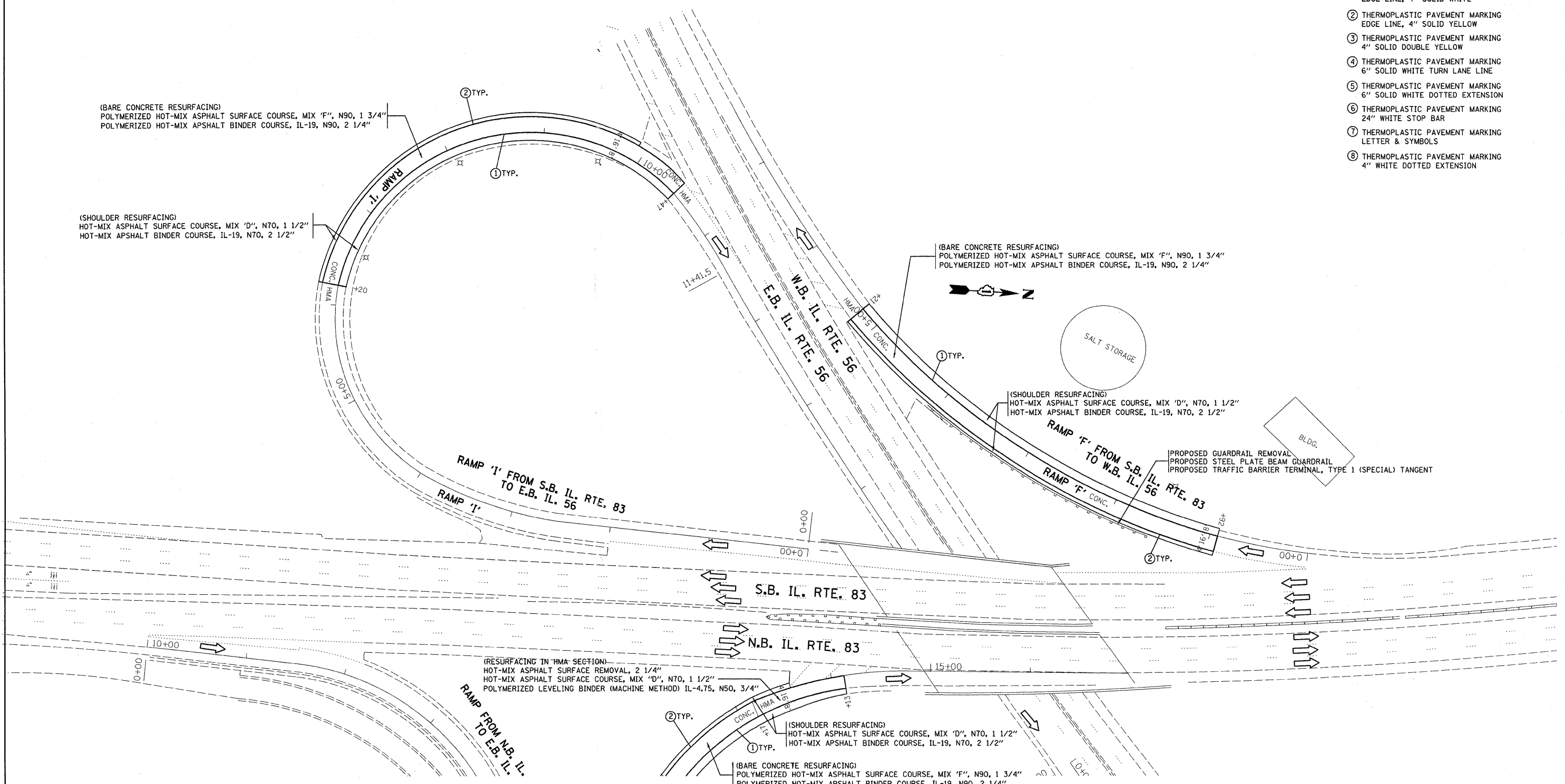
**LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

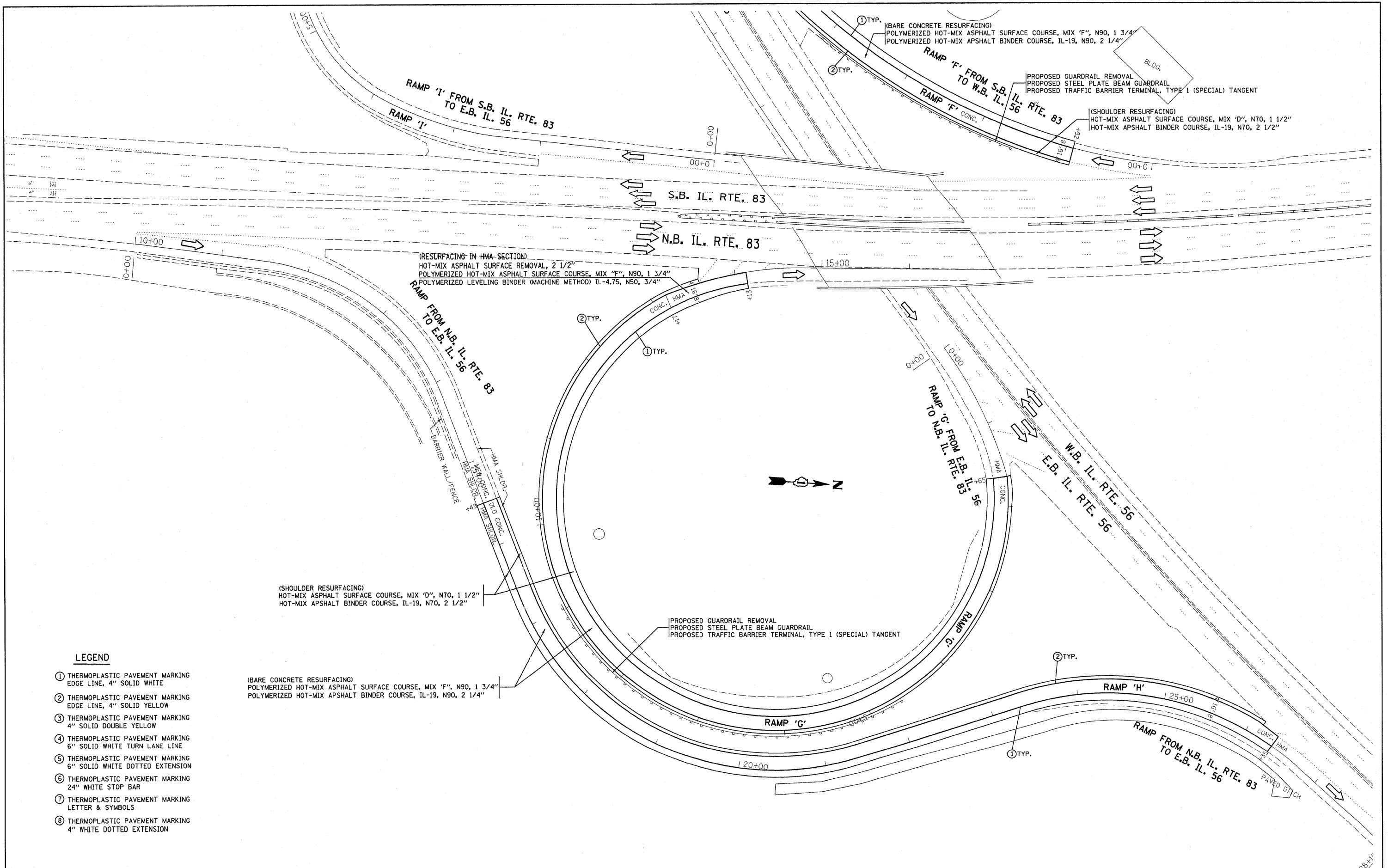
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		DATE -	REVISED -					ILLINOIS FED. AID PROJECT					

**LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION



FILE NAME =	USER NAME = abreuah	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL. RTE. 83 AT IL ROUTE 56 RAMP 'T' &amp; RAMP 'F'</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -								CONTRACT NO. 60K79		
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		



**LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

(BARE CONCRETE RESURFACING)  
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
POLYMERIZED HOT-MIX APHALT BINDER COURSE, IL-19, N90, 2 1/4"

(SHOULDER RESURFACING)  
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2"  
HOT-MIX APHALT BINDER COURSE, IL-19, N70, 2 1/2"

(RESURFACING IN HMA SECTION)  
HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"  
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'E', N90, 1 3/4"  
POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 3/4"

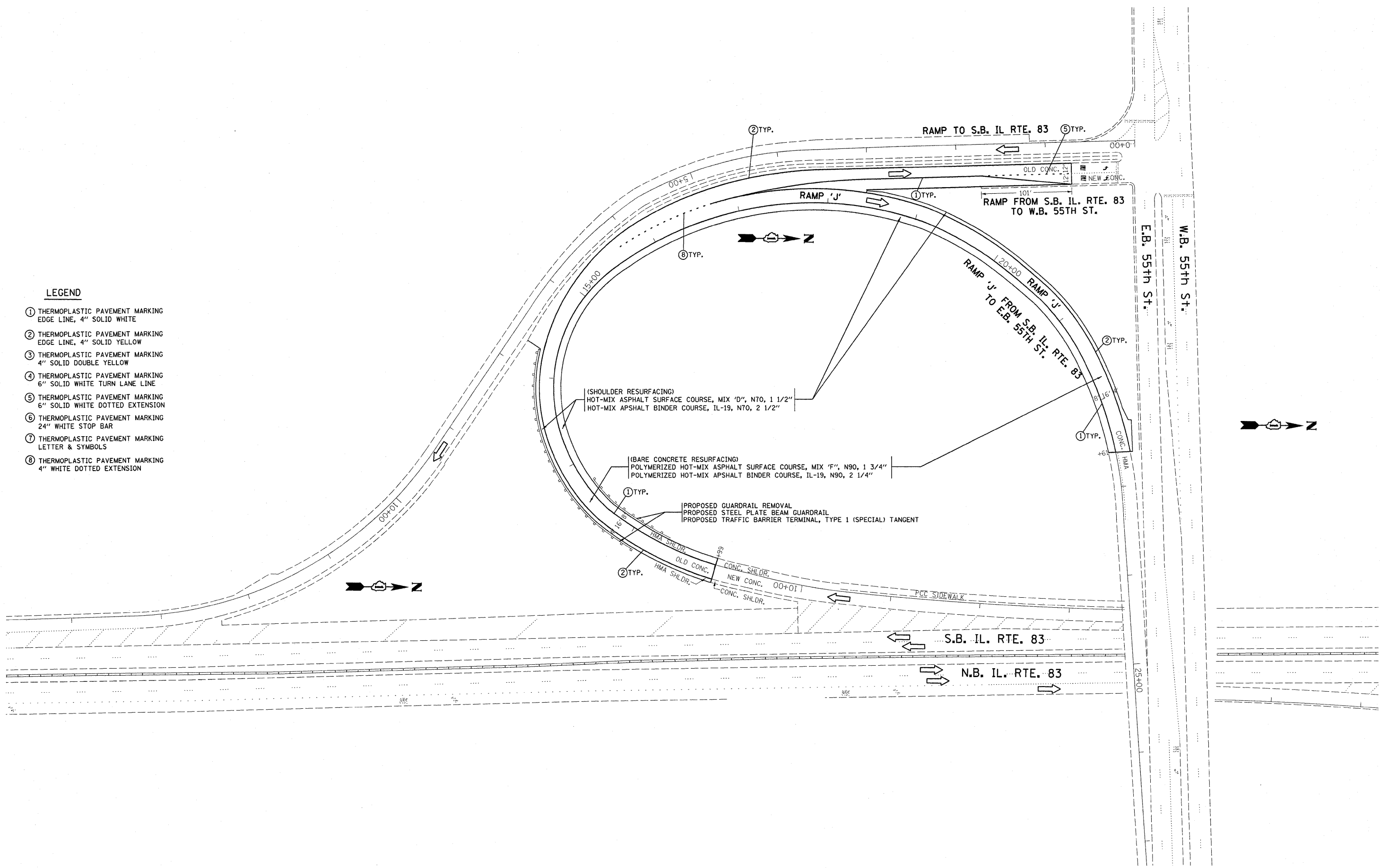
① TYP. (BARE CONCRETE RESURFACING)  
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4"  
POLYMERIZED HOT-MIX APHALT BINDER COURSE, IL-19, N90, 2 1/4"

(SHOULDER RESURFACING)  
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2"  
HOT-MIX APHALT BINDER COURSE, IL-19, N70, 2 1/2"

PROPOSED GUARDRAIL REMOVAL  
PROPOSED STEEL PLATE BEAM GUARDRAIL  
PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

PROPOSED GUARDRAIL REMOVAL  
PROPOSED STEEL PLATE BEAM GUARDRAIL  
PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

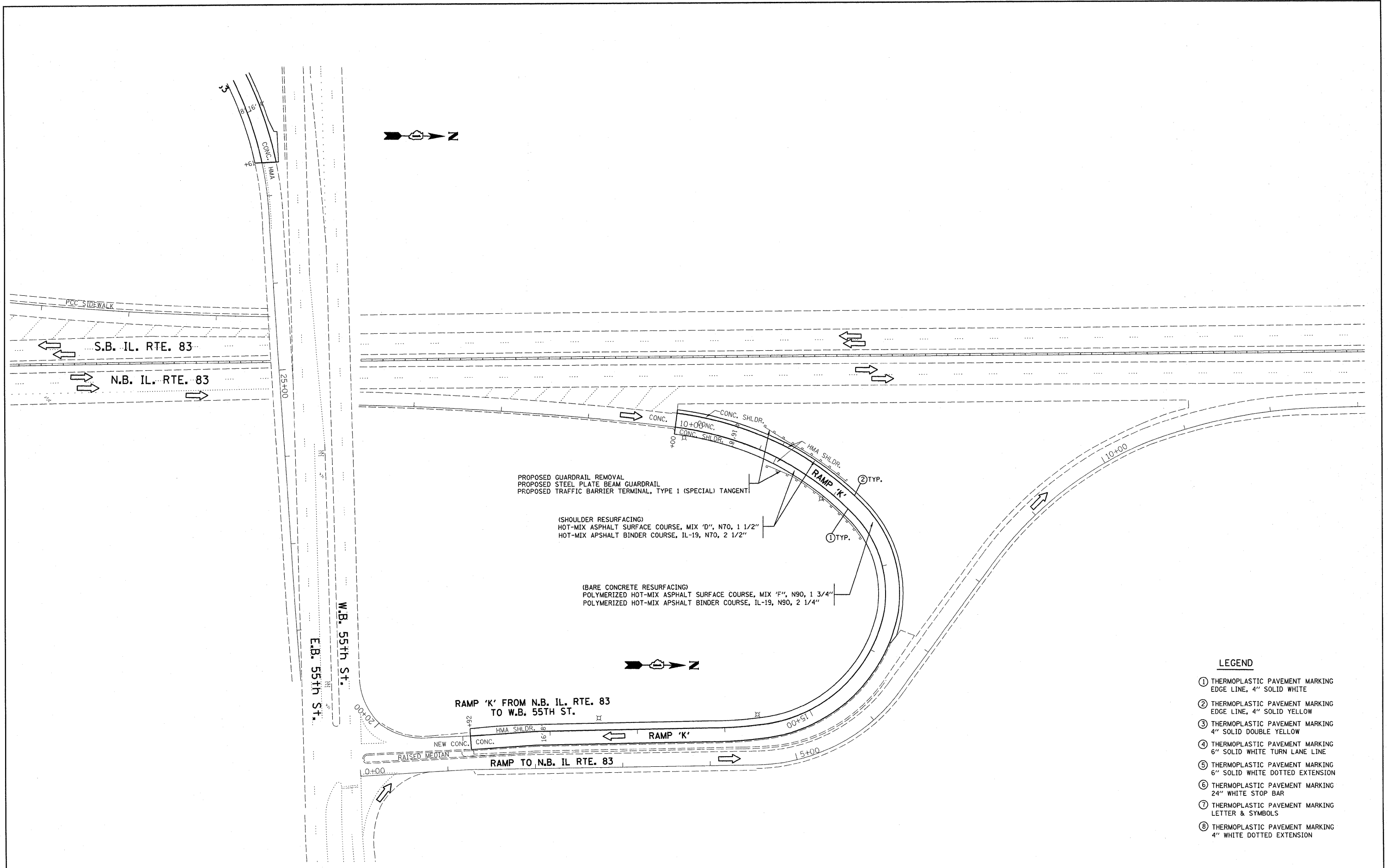
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PLOT DATE = 5/25/2010		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		



**LEGEND**

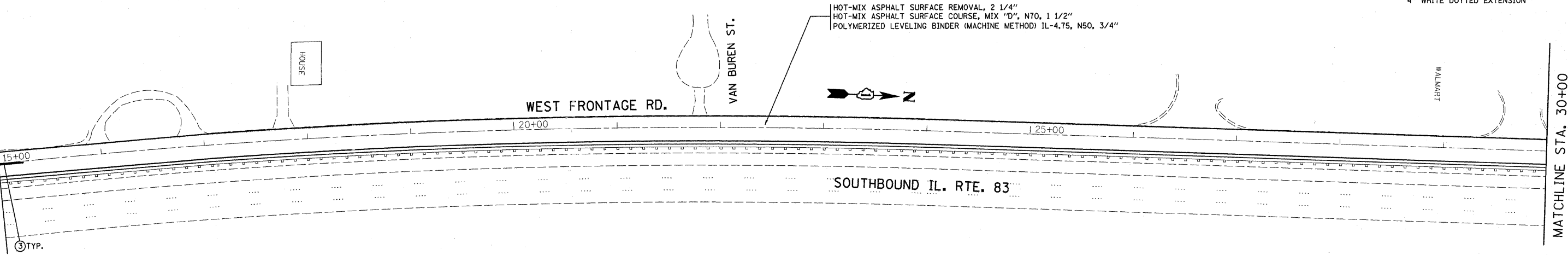
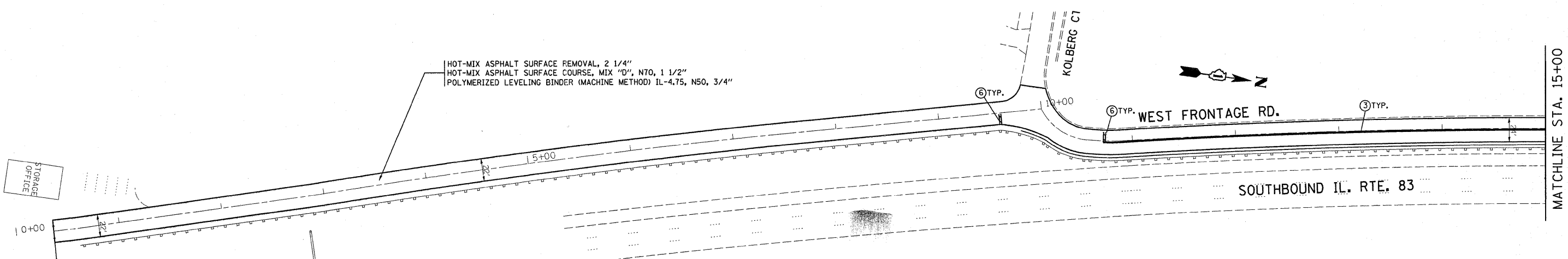
- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

FILE NAME =	USER NAME = abreuah	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>55th STREET AT IL RTE. 83 RAMP 'J'</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		PLOT DATE = 5/25/2010	REVISED -											
											CONTRACT NO. 60K79		ILLINOIS FED. AID PROJECT	



- LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
  - ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
  - ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
  - ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
  - ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
  - ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
  - ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
  - ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

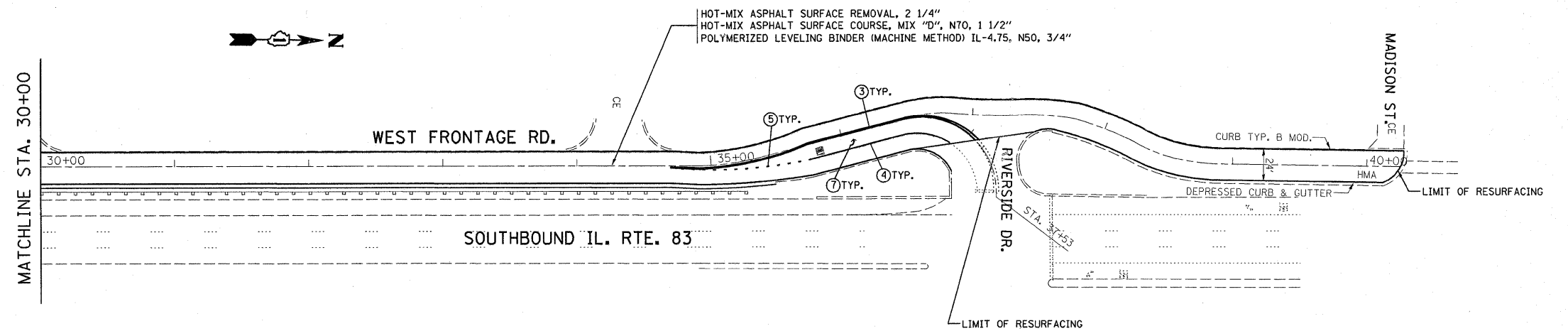
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		CHECKED -	REVISED -												
		DATE	REVISED -												
											ILLINOIS FED. AID PROJECT				



**LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

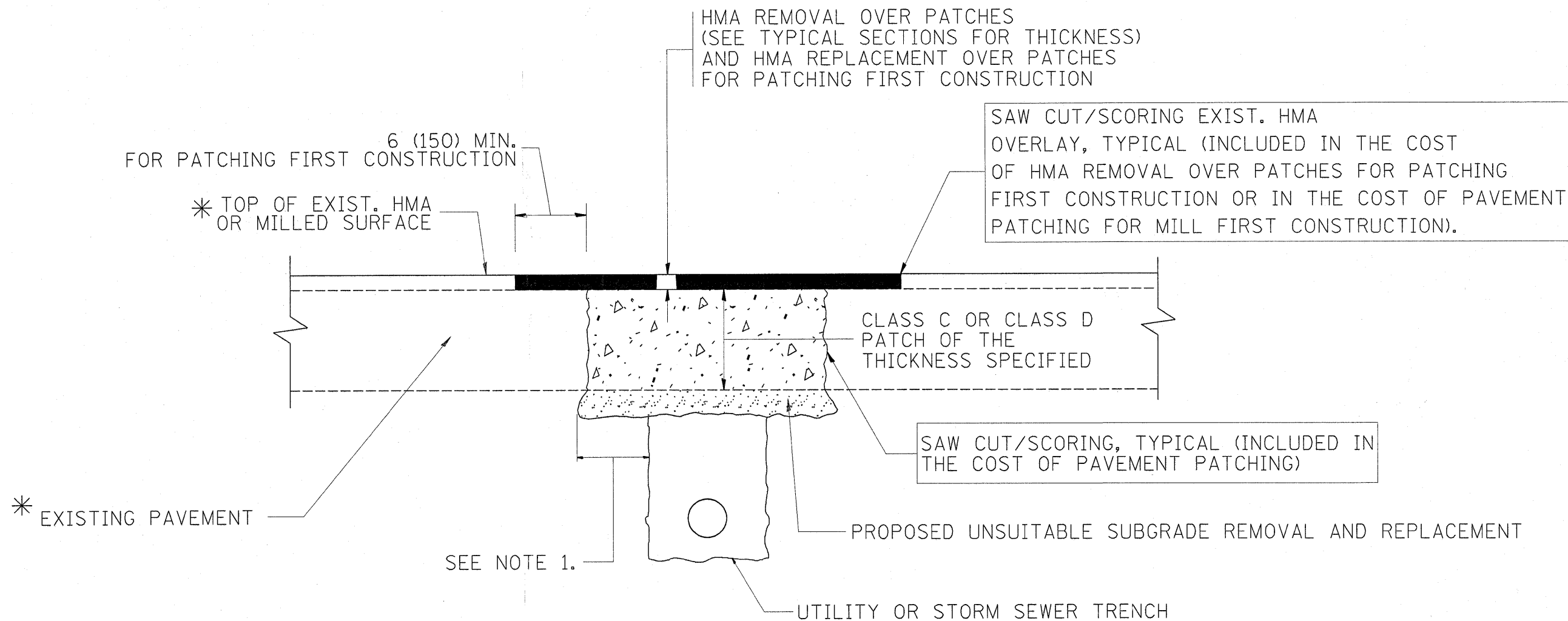
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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



**LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID WHITE
- ② THERMOPLASTIC PAVEMENT MARKING  
EDGE LINE, 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING  
4" SOLID DOUBLE YELLOW
- ④ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE TURN LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
6" SOLID WHITE DOTTED EXTENSION
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTER & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING  
4" WHITE DOTTED EXTENSION

FILE NAME =	USER NAME = abreuah	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ILL 83 WEST FRONTAGE ROAD MADISON ST. TO KOLBERG CT.</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/24/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

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

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

FILE NAME =	USER NAME = abreuah	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cs:\pwork\pwidot\ABREUAH\d0206143\DistStd.dgn		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	VAR.	2010-032-PCC-PP	DUPAGE	28	16
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60K79					
	PLOT DATE = 5/24/2010	DATE - 10-25-94	REVISED - K. ENG 10-27-08		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  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

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

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.

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).

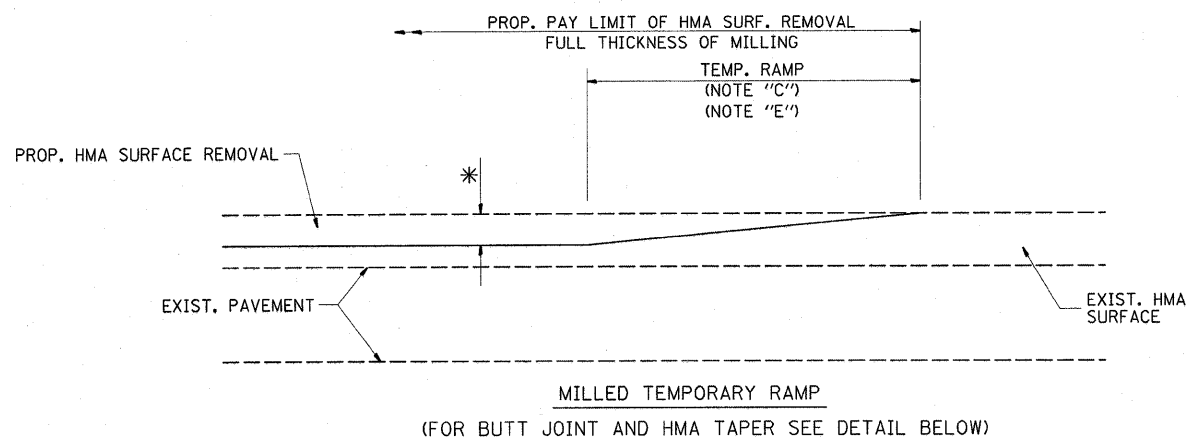
**BASIS OF PAYMENT:**

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".

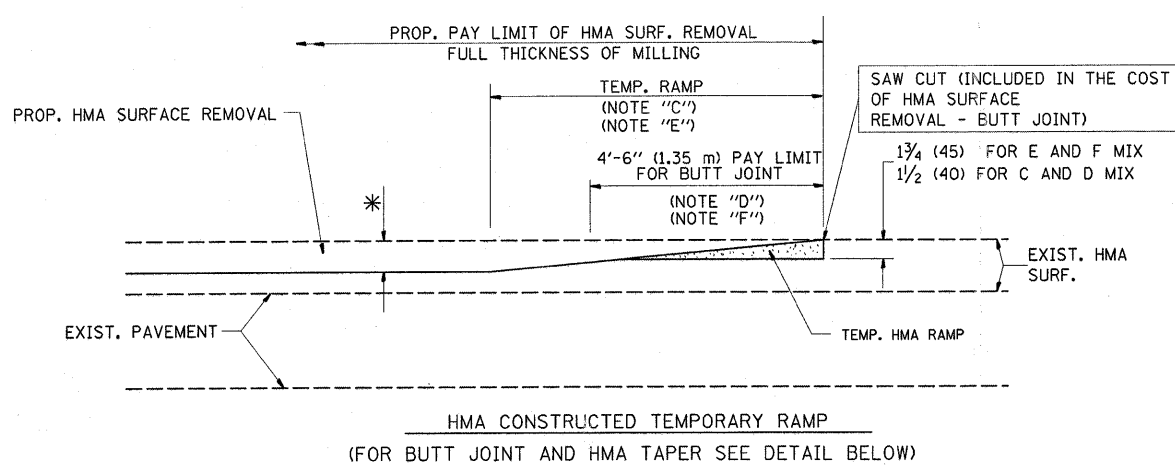
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

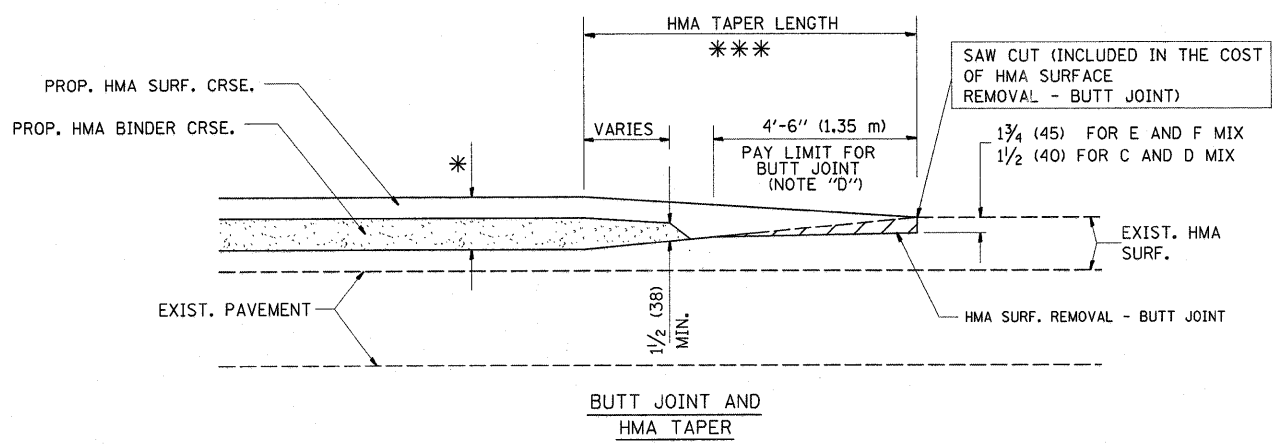
FILE NAME =	USER NAME = abreuah	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw-work\PIWIDOT\ABREUAH\d0206143\Dist	td.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97		VAR.	2010-032-PCC-PP	DUPAGE	28	17			
PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09		<b>BD600-06 (BD-24)</b>			CONTRACT NO. 60K79				
PLOT DATE = 5/24/2010	DATE - 03-11-94				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT		



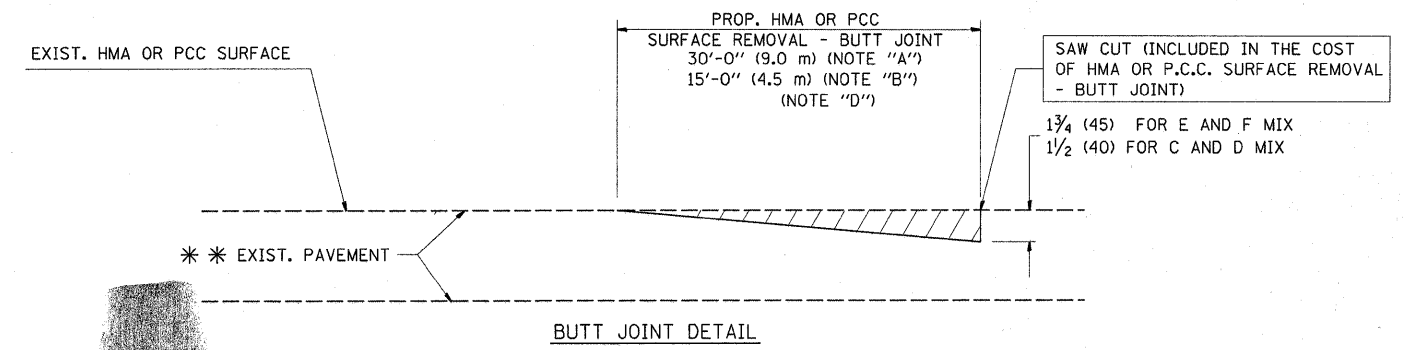
**OPTION 1**



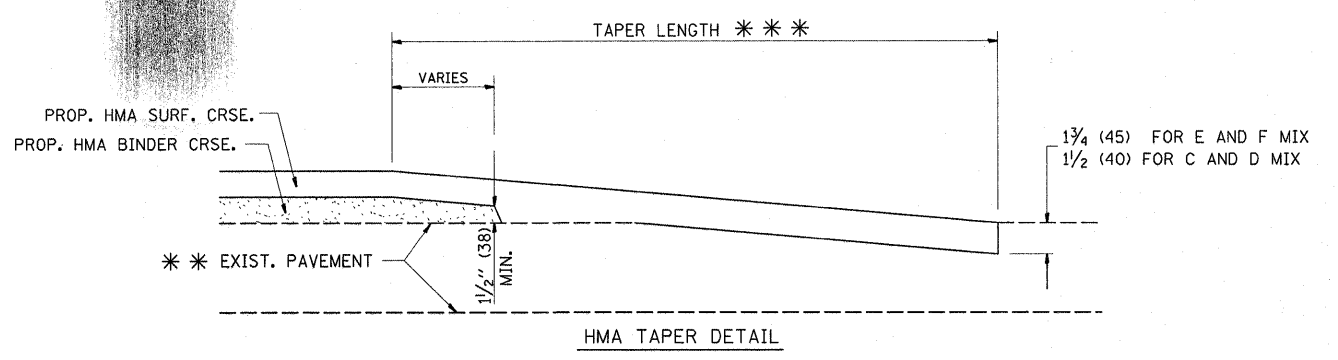
**OPTION 2  
TYPICAL TEMPORARY RAMP**



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



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

**NOTES**

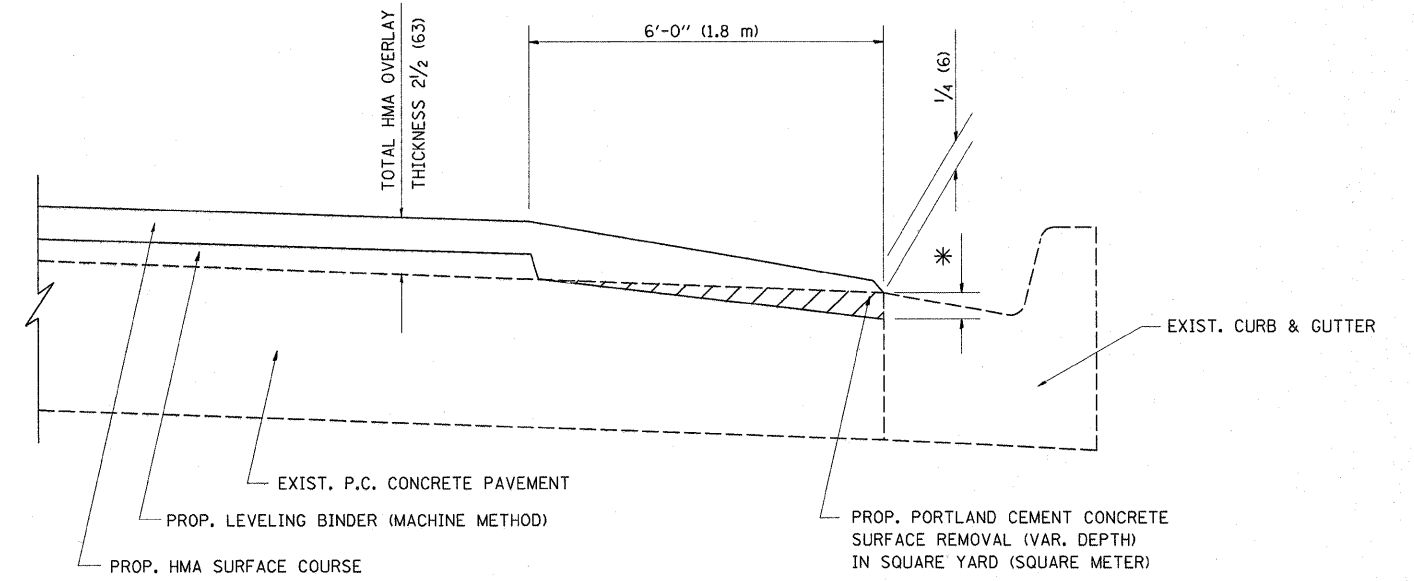
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE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

**BASIS OF PAYMENT:**

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

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

FILE NAME =	USER NAME = abreugh	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\DOT\ABREUGH\0206143\Dist	td.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97		VAR.	2010-032-PCC-PP	DUPAGE	28	18			
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01		<b>BD400-05 BD32</b>		<b>CONTRACT NO. 60K79</b>					
	PLOT DATE = 5/24/2010	DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



HMA TAPER AT  
EDGE OF P.C.C PAVEMENT

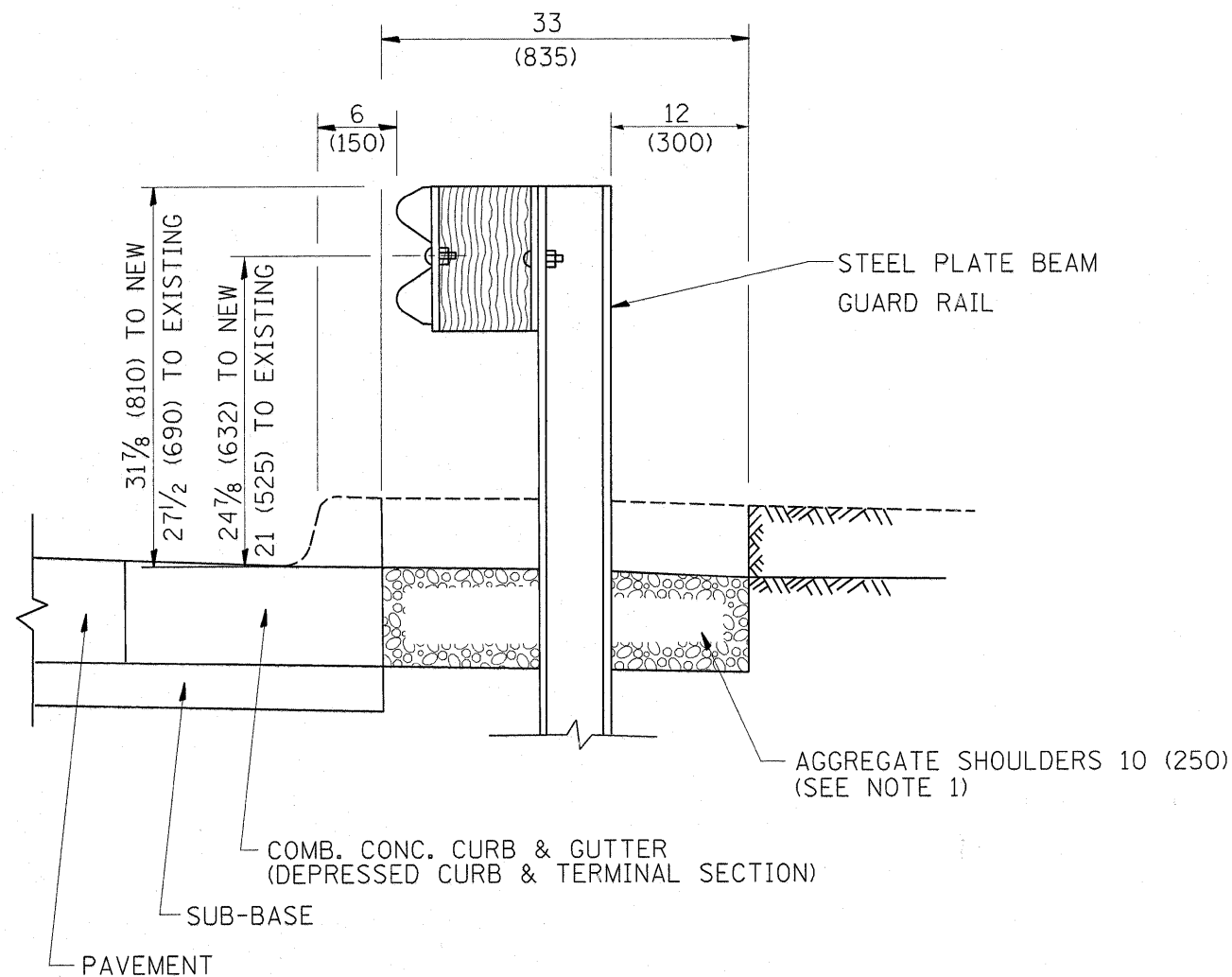
HMA SURFACE	LEVELING BINDER	* MILLING AT GUTTER FLAG	
MIX	THICKNESS	THICKNESS	
C OR D	1 1/2 (38)	1 (25)	1/4 (33)
F	1 3/4 (44)	3/4 (19)	1/2 (38)

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

FILE NAME =	USER NAME = abreuh	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
ct:\pw\work\FWIDOT\ABREUH\0206143\Dist\td.dgn		DRAWN - JIS	REVISED - A. ABBAS 05-05-99
	PLOT SCALE = 50.0000' / IN.	CHECKED - A. ABBAS	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 5/24/2010	DATE - 09-10-94	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

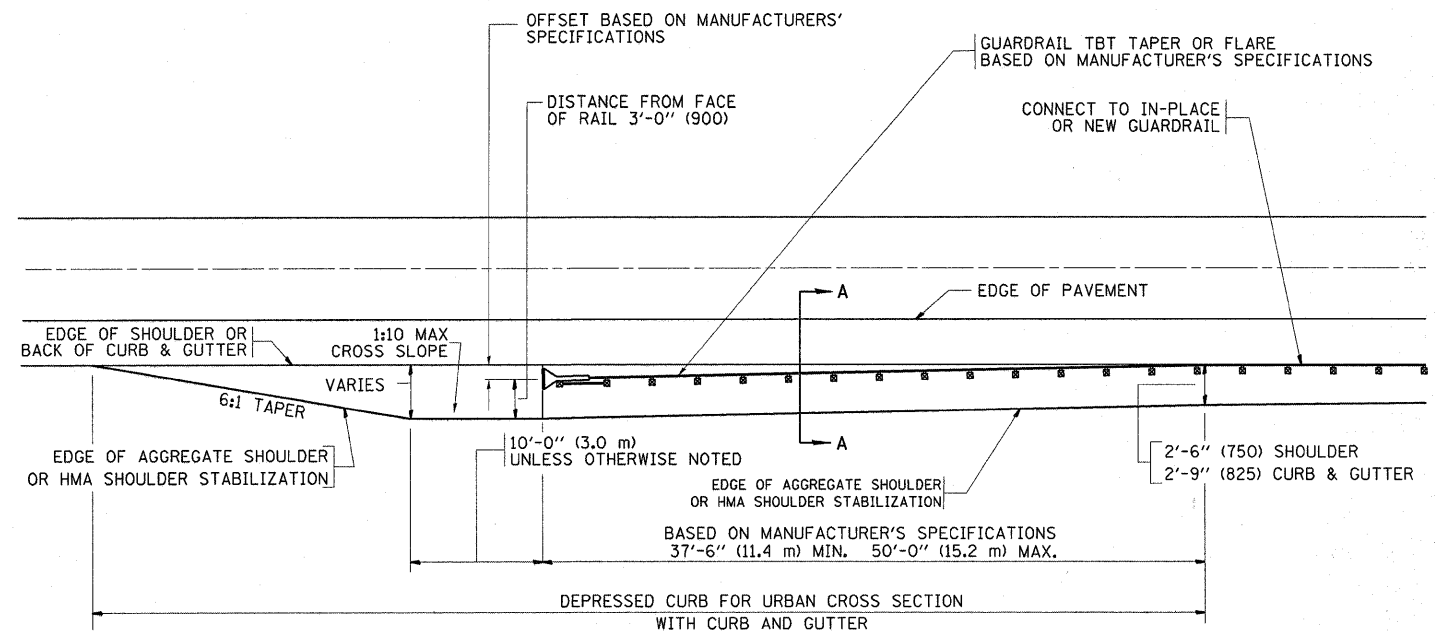
HMA TAPER AT EDGE OF P.C.C PAVEMENT		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		VAR.	2010-032-PCC-PP	DUPAGE	28	19
SCALE: NONE		SHEET NO. 1 OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
			<b>BD400-06 (BD33)</b>	CONTRACT NO.	<b>60K79</b>	



**SECTION A-A**

- NOTES: 1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

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



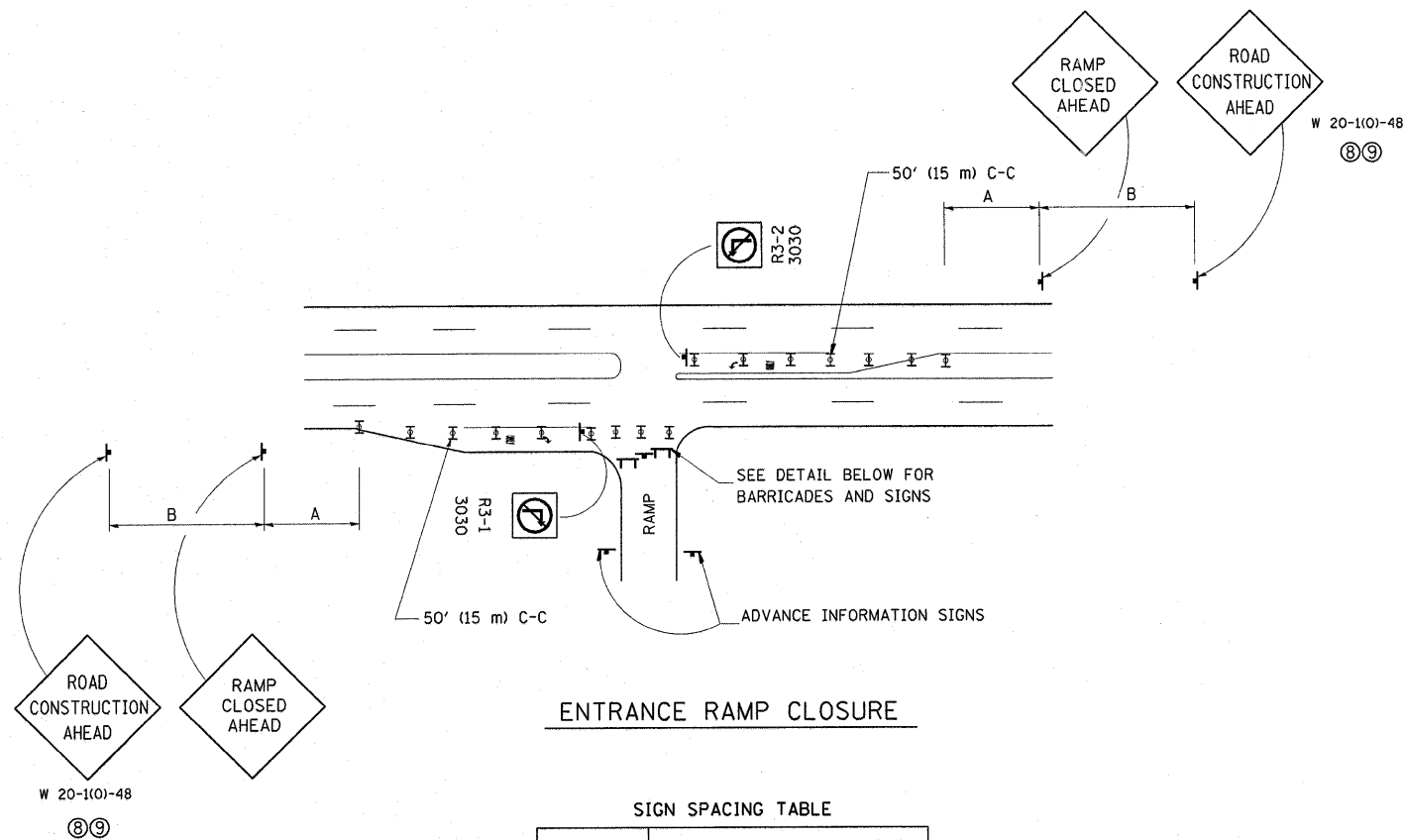
**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

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

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = abreuah	DESIGNED - M. DE YONG	REVISED - E. GOMEZ 08-28-00	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR DEPRESSED CURB &amp; GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL.</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\p\WIDOT\ABREUAH\d206143\Dist\td.dgn	DRAWN -	REVISED - R. BORO 01-01-07	VAR.			2010-032-PCC-PP	DUPAGE	28	20	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. BORO 12-08-2008	<b>BD600-10 (BD 34)</b>			CONTRACT NO. 60K79				
PLOT DATE = 5/24/2010	DATE - 09-22-90	REVISED - R. BORO 09-14-2009	FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT							
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	

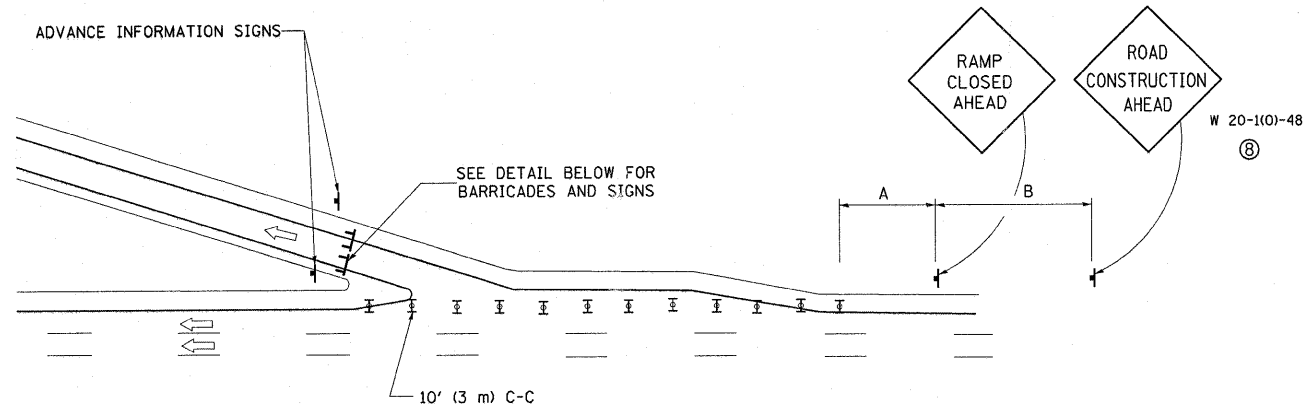


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL ≥45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	150' (45 m)	150' (45 m)

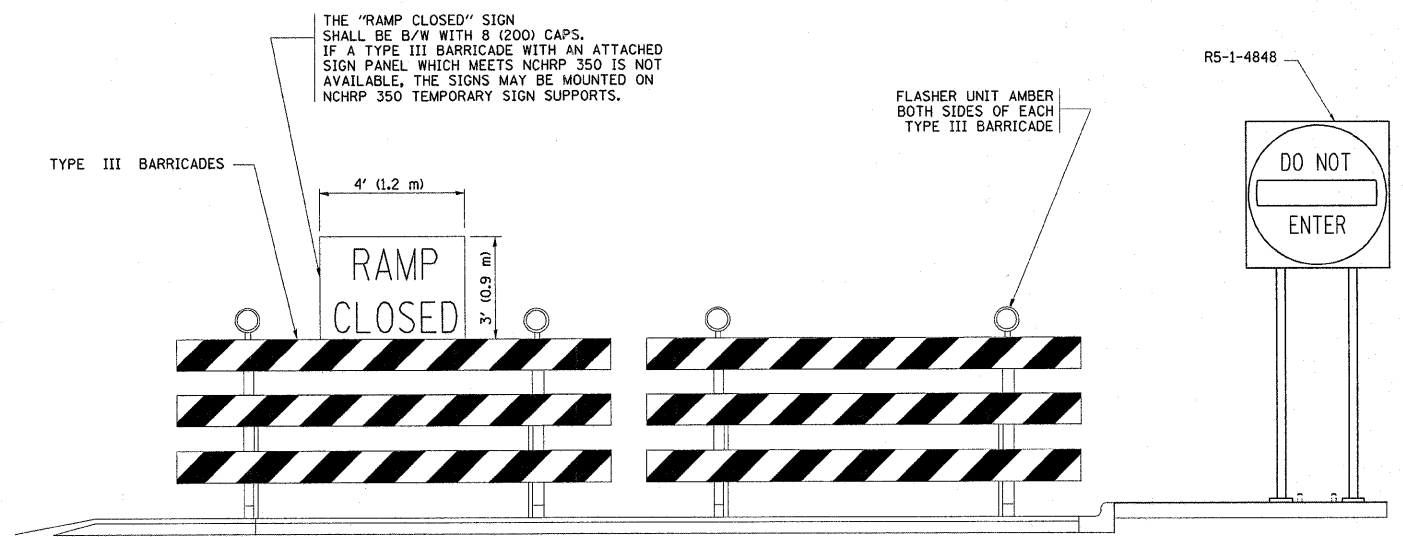
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

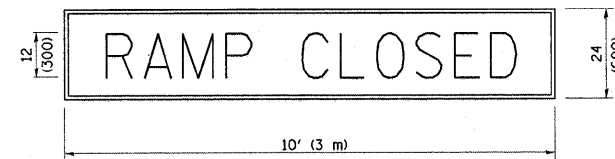
**SYMBOLS**

- ▬ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ▬ TYPE III BARRICADE WITH FLASHING LIGHT



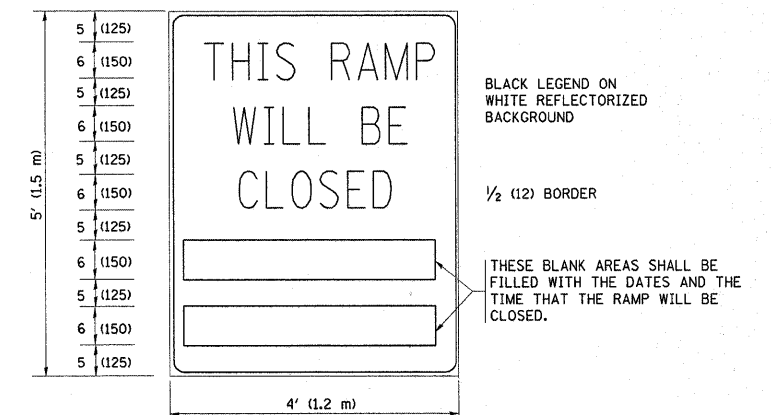
**DETAIL FOR REQUIRED BARRICADES & SIGNS**

**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND  
1 (25) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

**GENERAL NOTES:**

- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 7 THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

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

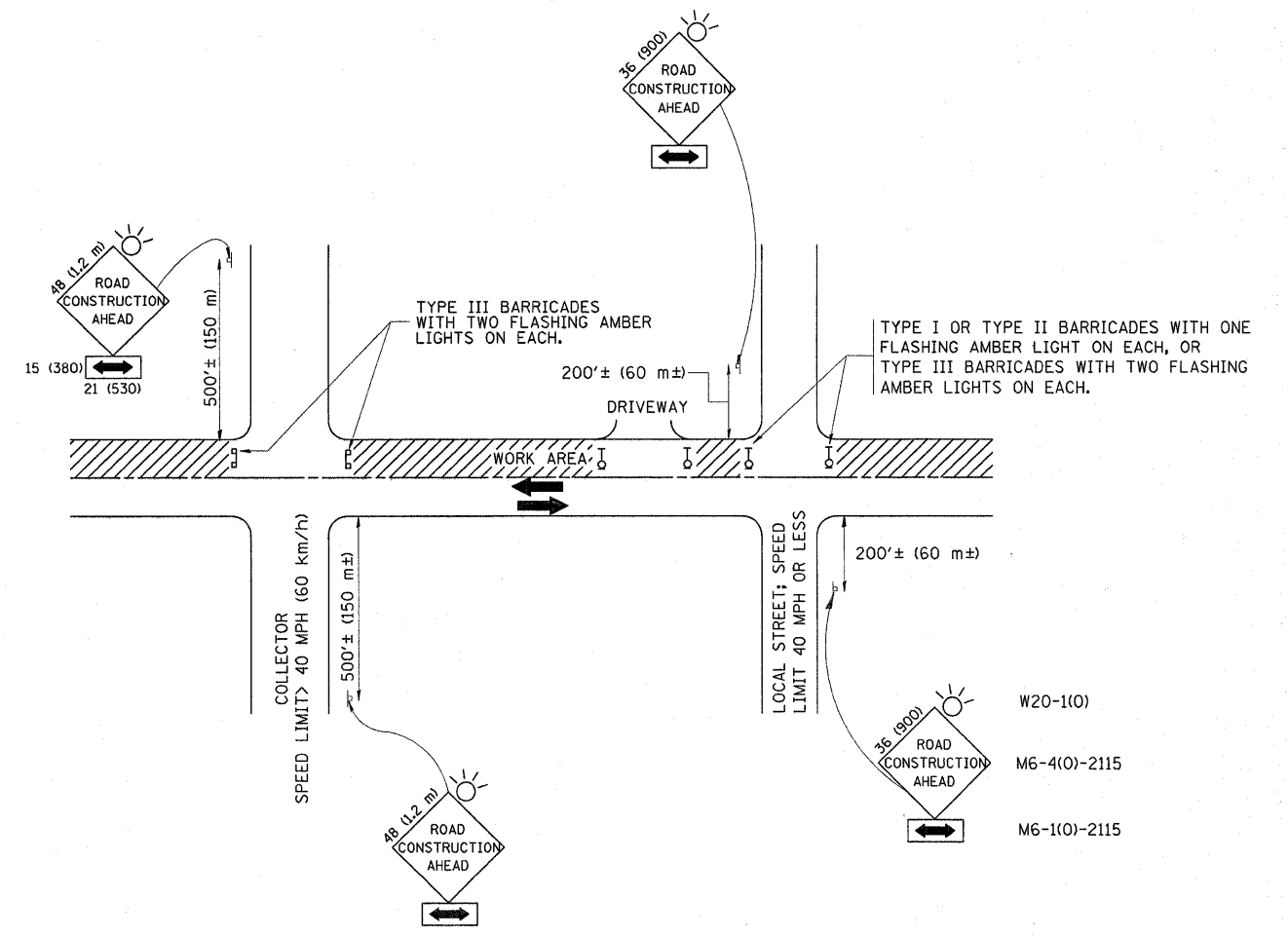
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		CHECKED -	REVISED - SPB 01-07
		DATE - 02-83	REVISED - SPB 12-09

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FREWAY ENTRANCE AND EXIST RAMP  
CLOSURE DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-032-PCC-PP	DUPAGE	28	21
TC-08			CONTRACT NO. 60K79	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

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



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.

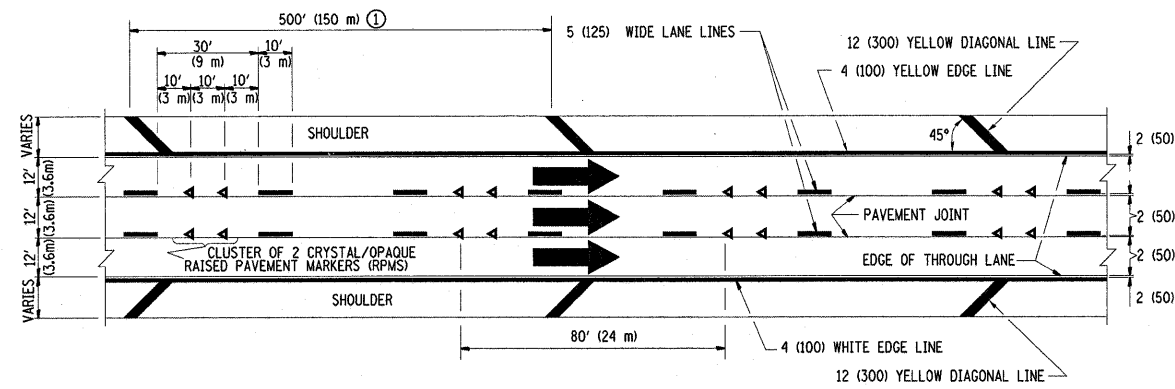
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c:\pwork\PWIDOT\ABREUAH\d0206143\01st.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-032-PCC-PP	DUPAGE	28	22
TC-10			CONTRACT NO. 60K79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

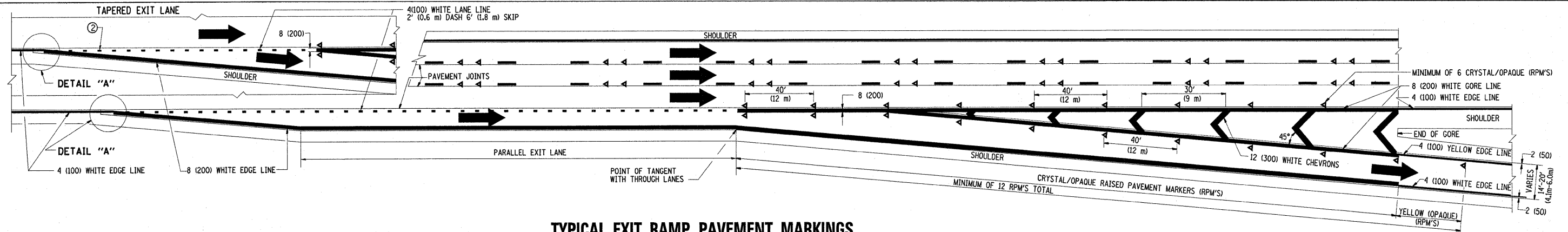




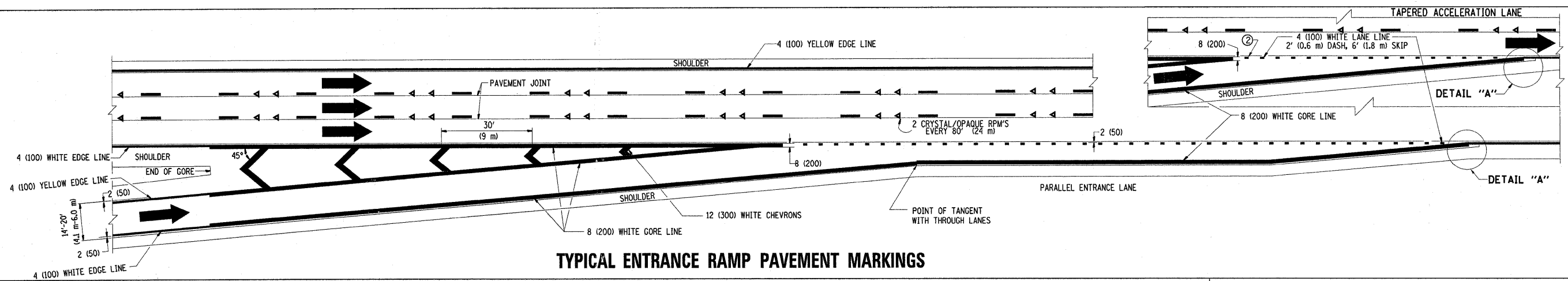
**TYPICAL EDGE LINES & LANE LINES**

**PAVEMENT MARKING MATERIALS**

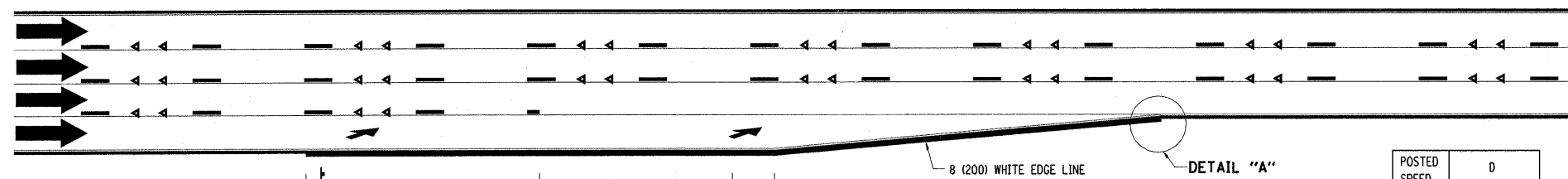
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.



**TYPICAL EXIT RAMP PAVEMENT MARKINGS**

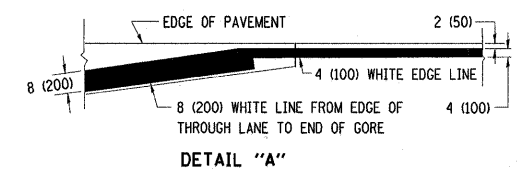


**TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS**



**LANE REDUCTION PAVEMENT MARKINGS**

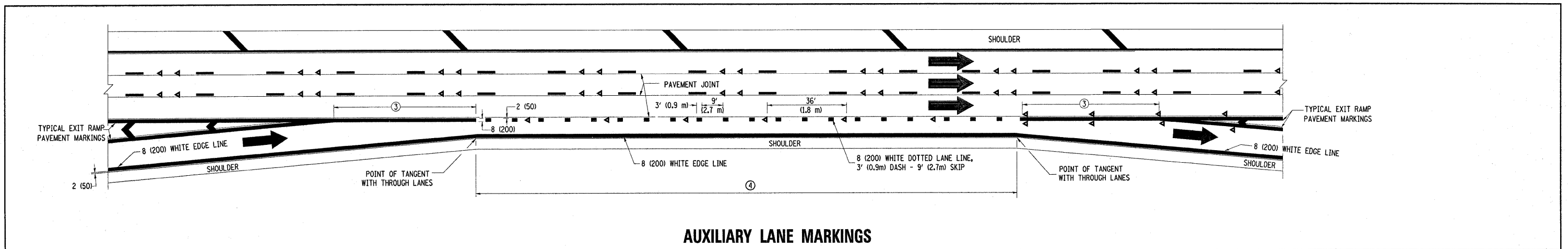
POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



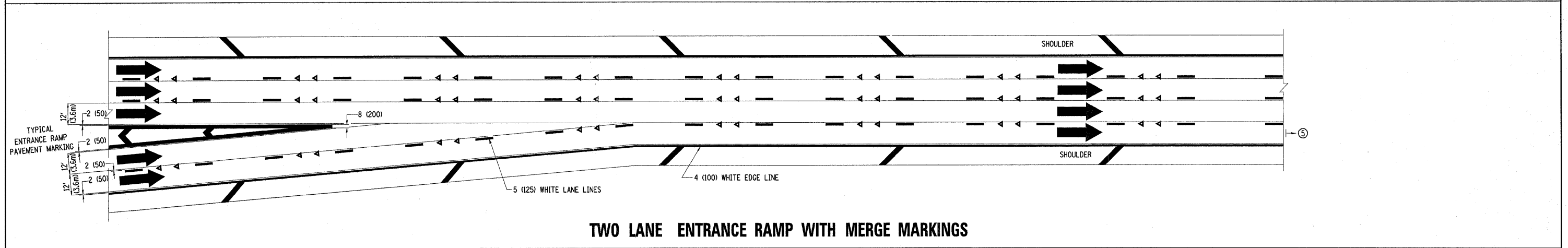
**NOTES:**

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

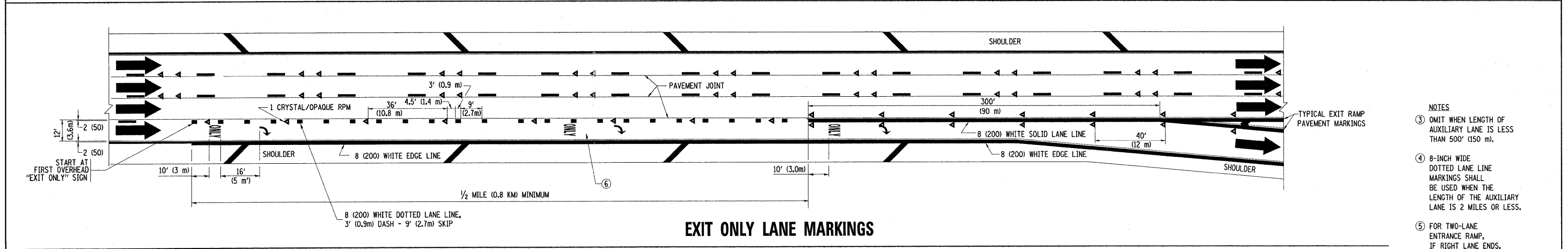




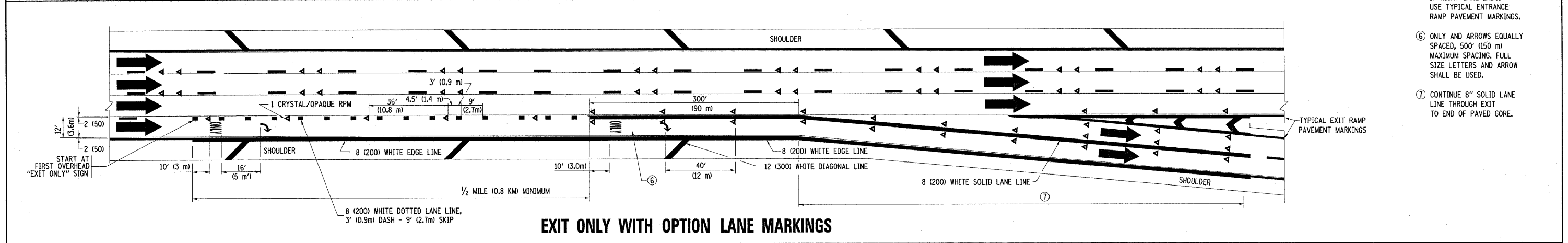
**AUXILIARY LANE MARKINGS**



**TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS**



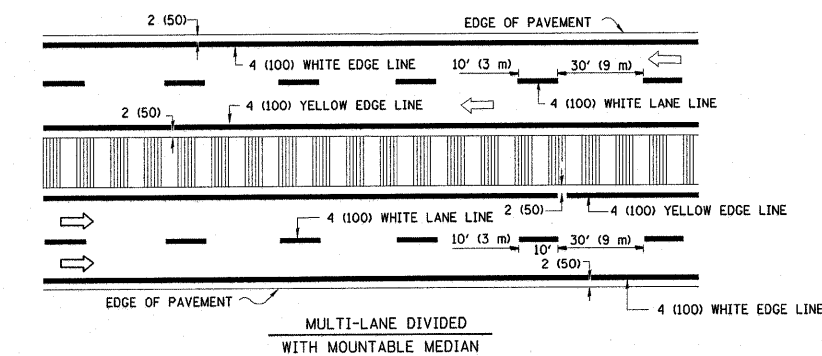
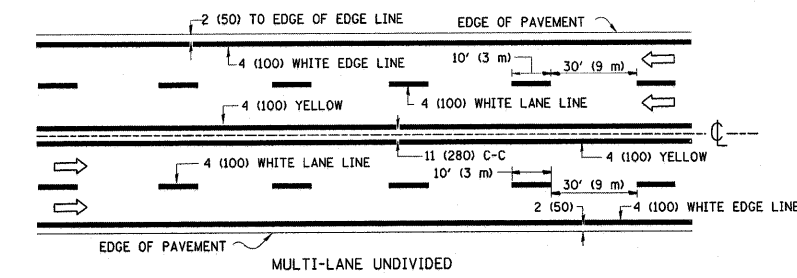
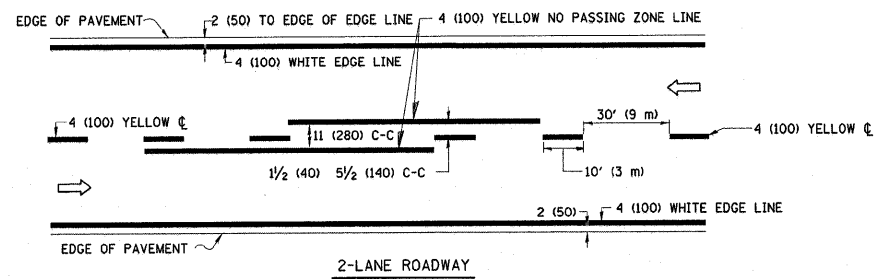
**EXIT ONLY LANE MARKINGS**



**EXIT ONLY WITH OPTION LANE MARKINGS**

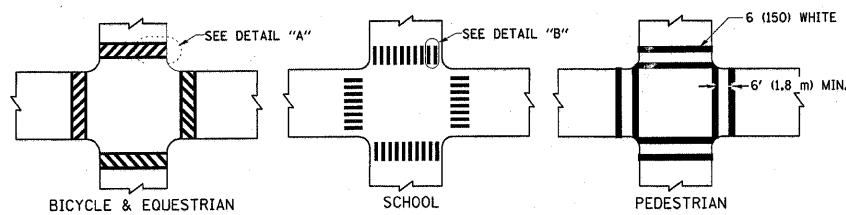
- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

FILE NAME =	USER NAME = abreuah	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\VP\WIDOT\ABREUAH\d0206143\Dist	td.dgn	DRAWN -	REVISED - J.A.F. 02-06		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	2010-032-PCC-PP	DUPAGE	28	25
		CHECKED -	REVISED - S.P.B. 01-07						<b>TC-12</b>		<b>CONTRACT NO. 60K79</b>	
		DATE - 01-90	REVISED - S.P.B. 01-10						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

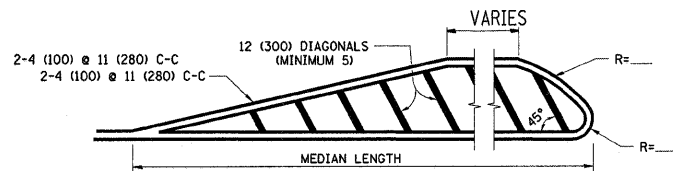
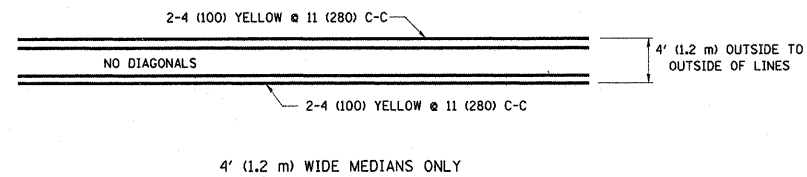


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

**TYPICAL LANE AND EDGE LINE MARKING**

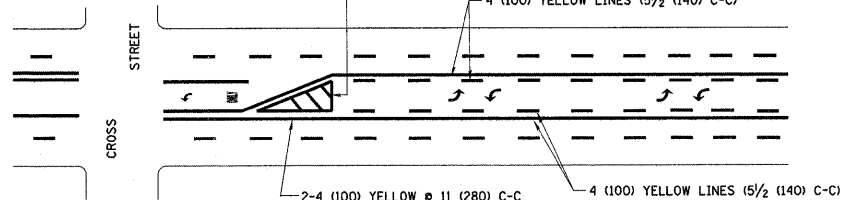


**TYPICAL CROSSWALK MARKING**

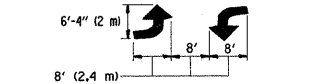


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

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

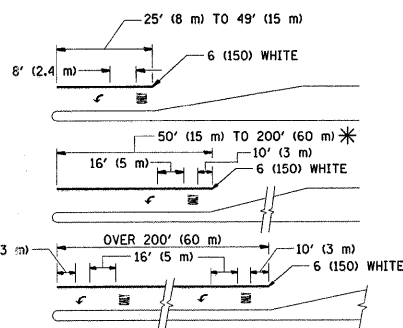


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



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

**TYPICAL PAINTED MEDIAN MARKING**

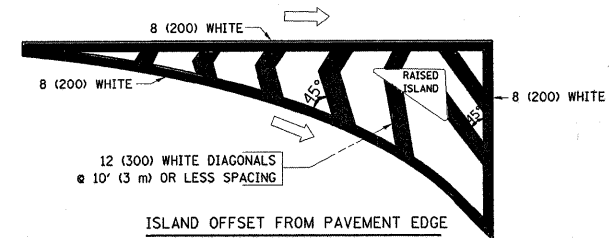


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

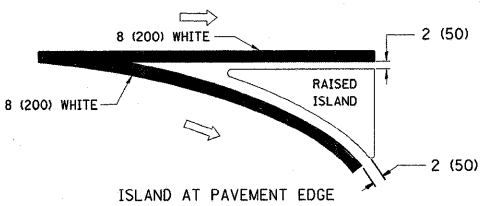
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

**TYPICAL TURN LANE MARKING**



**ISLAND OFFSET FROM PAVEMENT EDGE**



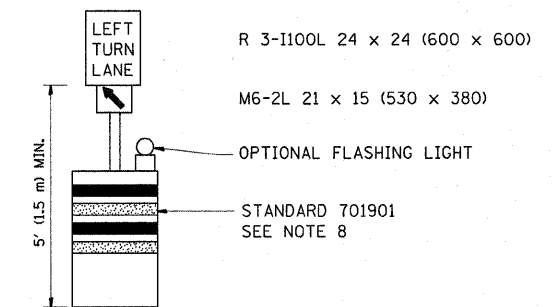
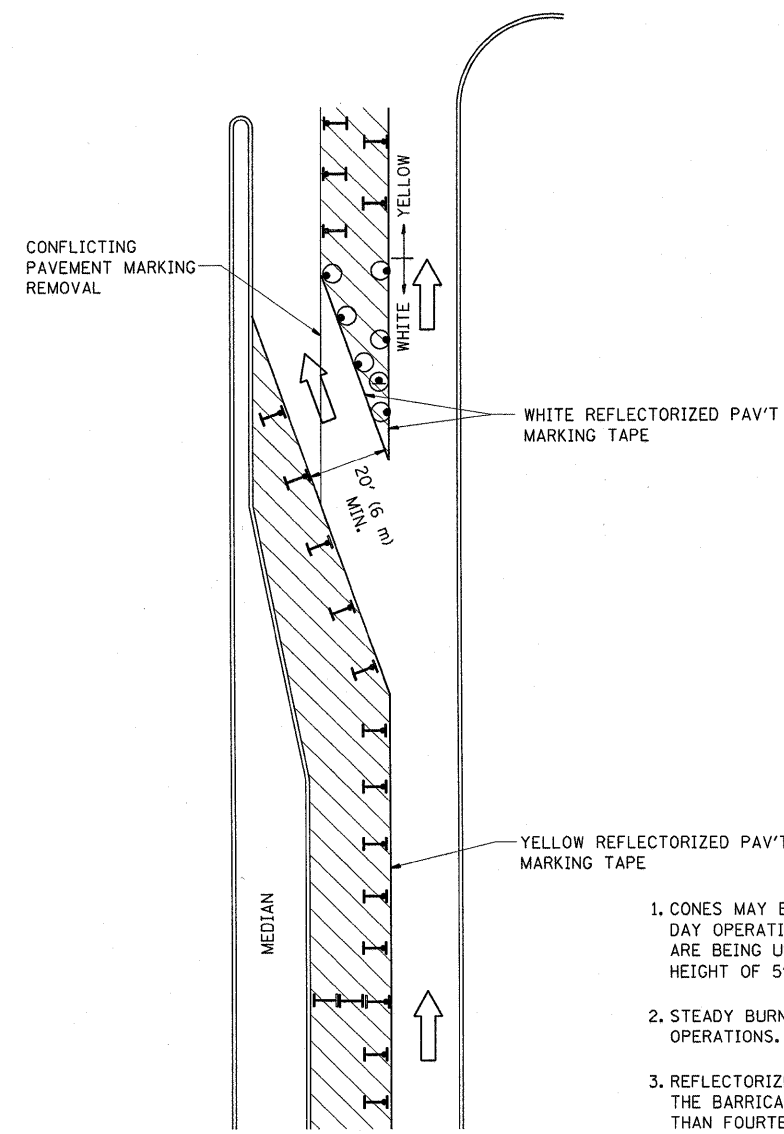
**ISLAND AT PAVEMENT EDGE**

**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	SKIP-DASH AND SOLID	YELLOW	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
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	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.

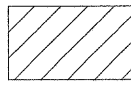







**GENERAL NOTES**

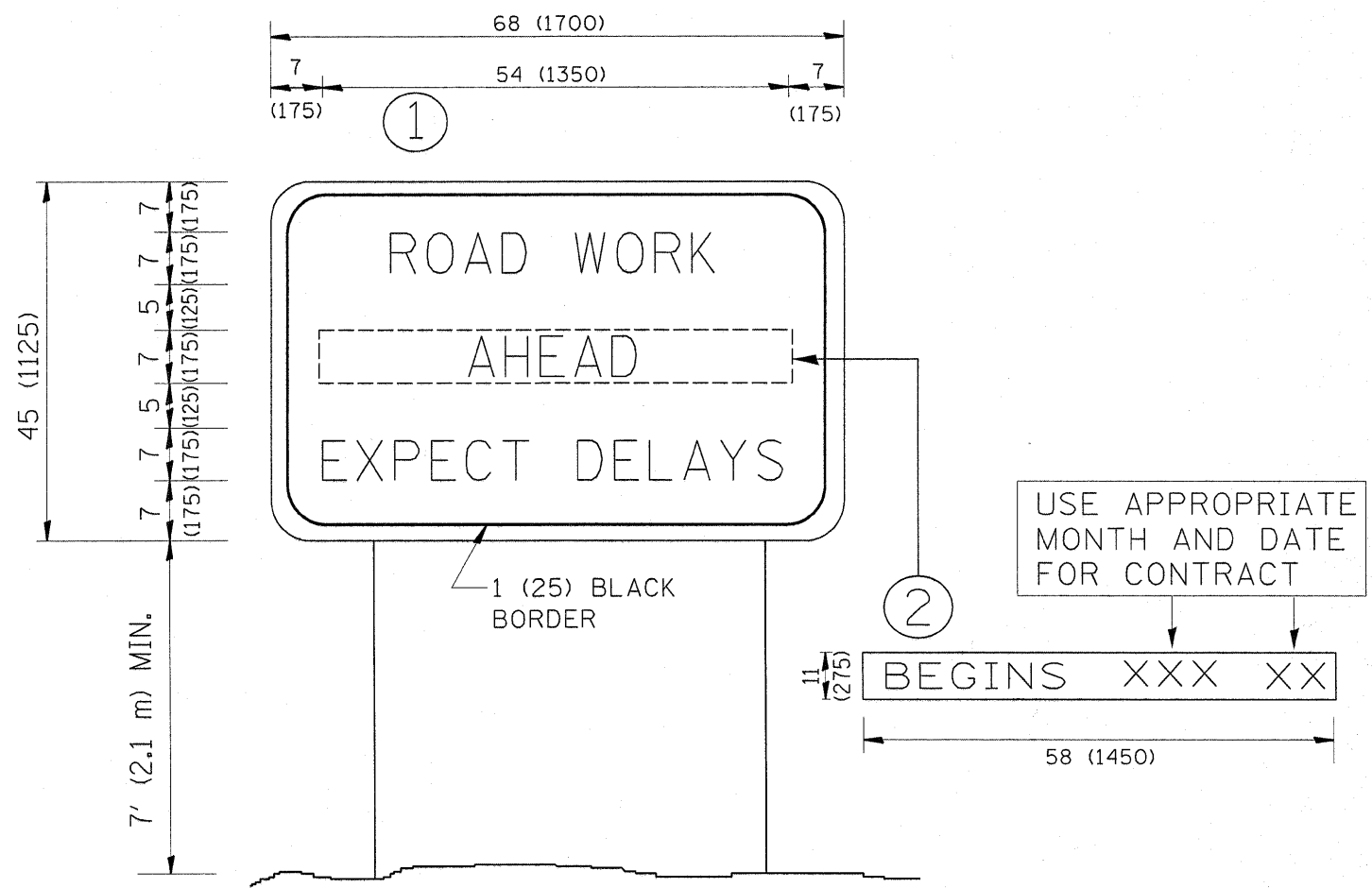
1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

**LEGEND**

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

FILE NAME =	USER NAME = abreuah	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\PIWIDOT\ABREUAH\d0206143\Dist	td.dgn	REVISED - A. HOUSEH 11-07-95	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	VAR.	2010-032-PCC-PP	DUPAGE	28	27
	PLOT SCALE = 50.0000' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -					<b>TC-14</b>		<b>CONTRACT NO. 60K79</b>			
	PLOT DATE = 5/24/2010	REVISED - T. RAMMACHER 01-06-00	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



**NOTES:**

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

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

FILE NAME =	USER NAME = obreuh	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>		F.A. -	SECTION	COUNTY	TOTAL	SHEET				
ca:\pr-work\PWIDOT\ABREUAH\d0206143\Dist	td.dgn	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	VAR.	2010-032-PCC-PP	DUPAGE	28	28
		CHECKED -	REVISED - T. RAMMACHER 02-02-99		TC-22		CONTRACT NO. 60K79		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
		DATE -	REVISED - C. JUCCIUS 01-31-07												