

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

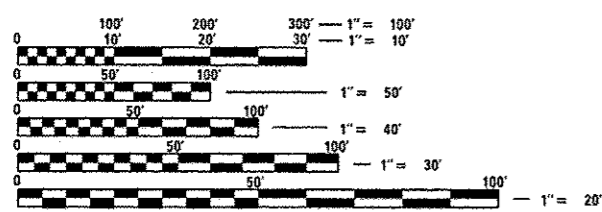
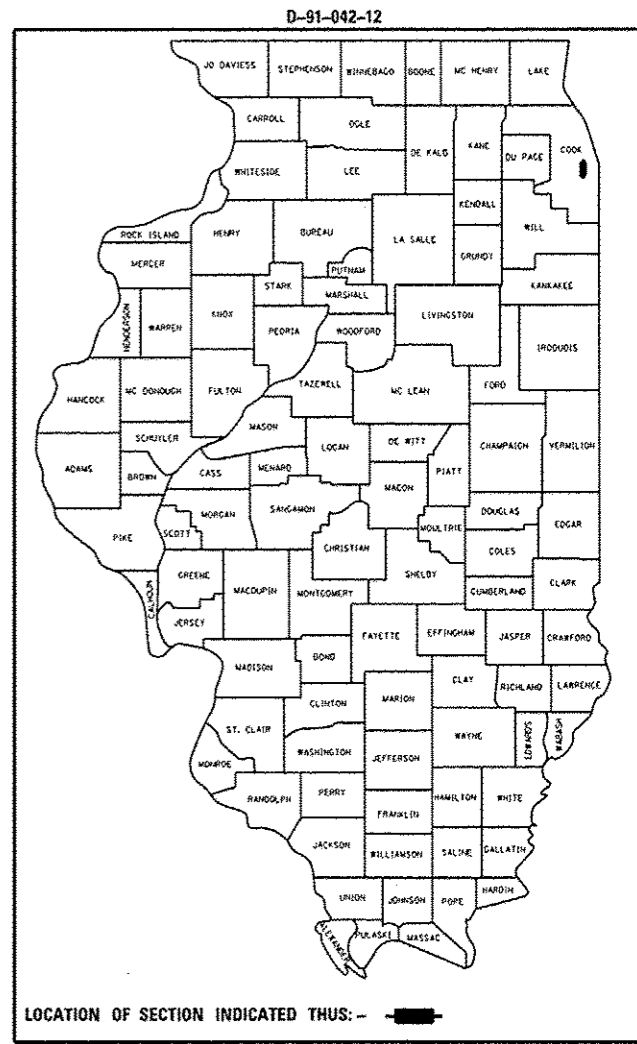
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 370 / WESTERN AVENUE  
34TH STREET TO COLUMBUS DRIVE  
SECTION: 2011-089-RS  
RESURFACING (3P)  
COOK COUNTY  
C-91-042-12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-RS	COOK	30	1
		ILLINOIS	CONTRACT NO. 60R16	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN  
CITY OF CHICAGO

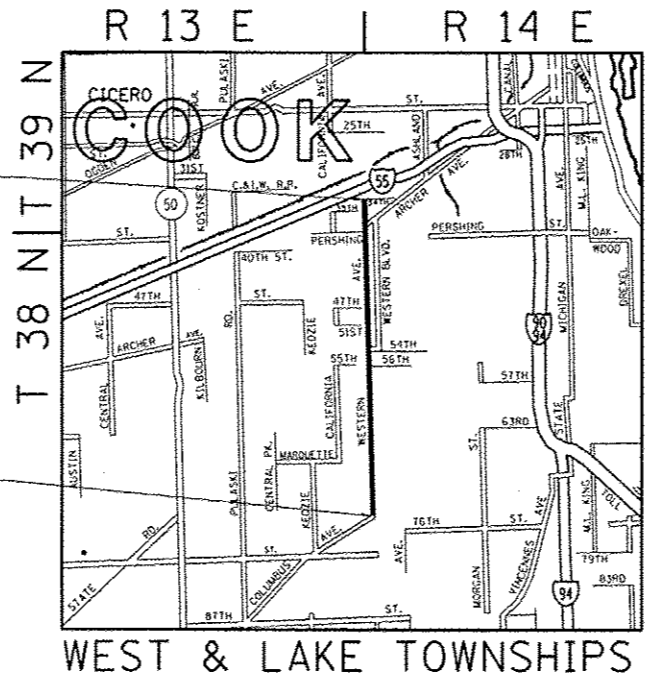


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

CUAN  
CHICAGO UTILITY ALERT NETWORK  
1-312-744-7000

IMPROVEMENT ENDS  
STA 285+10

IMPROVEMENT BEGINS  
STA 15+91



TRAFFIC DATA  
SPEED LIMIT: 30 MPH  
2010 ADT: 24,500

RESURFACING OMISSIONS:  
STA. 182+62 TO STA. 184+67  
STA. 247+52 TO STA. 254+03  
STA. 264+61 TO STA. 266+19

PROJECT ENGINEER: Dan Wilgreen (847) 705-4240  
PROJECT MANAGER: Ken Eng

CONTRACT NO. 60R16

GROSS LENGTH OF IMPROVEMENT = 26,919 FEET (5.1 MILES)  
NET LENGTH OF IMPROVEMENT = 26,919 FEET (5.1 MILES)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Apr 14 2013

*John Fortman*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 10 2013  
*John D. Baranelli* P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2013  
*Omer Osman* P.E.  
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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6-7	TYPICAL SECTIONS
8-17	ROADWAY & PAVEMENT MARKING PLANS
18	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5M) (BD-01)
19	DETAILS FOR FRAMES AND LIDS WITH MILLING (BD-08)
20	CITY OF CHICAGO PC CONC. DRIVEWAY, ALLEY RETURNS AND SIDEWALK (BD-17)
21	PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT (BD-22)
22	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
23	BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS (BD-32)
24	CITY OF CHICAGO CATCH BASIN, INLETS AND MANHOLE DETAILS (BD-47)
25	TRAFFIC CONTROL AND PROTECTION FOR SIDES ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
26-28	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24)
29	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
30	ARTERIAL ROAD INFORMATION SIGNING (TC-22)

STATE STANDARDS

000001-00	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
420701-02	PAVEMENT FABRIC
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
604001-03	FRAME AND LIDS, TYPE 1
701427-01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS < 40 MPH
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-02	TRAFFIC CONTROL DEVICES

GENERAL NOTES:

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "CUAN" AT 312-744-7000 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 CITY OF CHICAGO.

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

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 1/2 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 CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS DETAIL.

AT LEAST TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT (847) 715-8416.

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.

FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

THE CITY OF CHICAGO IS TO MAKE ADJUSTMENTS TO THEIR STREET LIGHTING AND/OR TRAFFIC SIGNAL FACILITIES. THE CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH THE CITY OF CHICAGO IN THESE ADJUSTMENTS. THIS COORDINATION AND COOPERATION BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COSTS OF THE CONTRACT.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF CHICAGO. THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING TREES TO REMAIN. ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

PRUNE TREE LIMBS THAT MIGHT BE DAMAGED BY EQUIPMENT OPERATIONS AT LEAST ONE WEEK PRIOR TO THE START OF CONSTRUCTION BY A CERTIFIED ARBORIST. ANY TREE LIMBS THAT ARE BROKEN BY CONSTRUCTION EQUIPMENT AFTER THE INITIAL PRUNING MUST BE PRUNED CORRECTLY WITHIN 72 HOURS.

FILE NAME *	USER NAME * abrauh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVENUE (34TH STREET TO COLUMBUS DRIVE) INDEX OF SHEETS STATE STANDARDS AND GENERAL NOTES</b>		F.A.P. RTE. 370	SECTION 2011-089-RS	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 2	
c:\p\work\p\dot\abrauh\0202900\DI04	212-Design.dgn	DRAWN -	REVISED -		SCALE: 1" = 50'		SHEET NO. OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT	CONTRACT NO. 60R16
	PLOT SCALE * 100.0000 // in.	CHECKED -	REVISED -									
	PLOT DATE * 4/11/2013	DATE -	REVISED -									



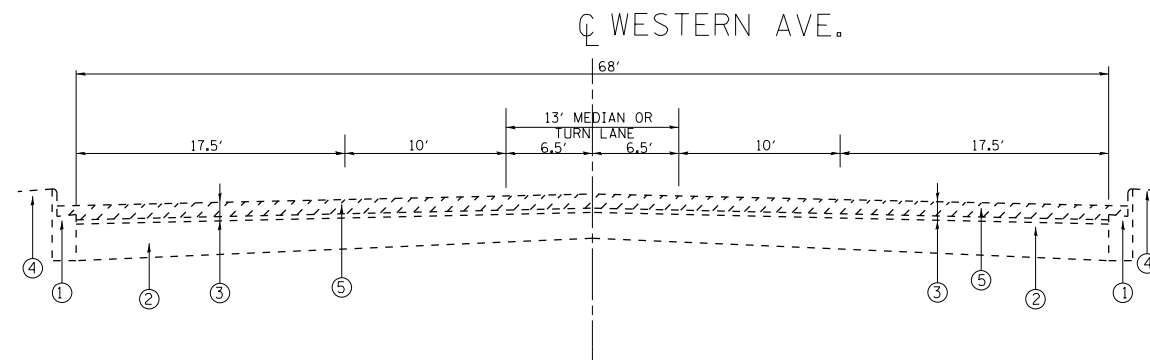
SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 100% STATE ROADWAY				
44201299	DOWEL BARS 1 1/2"	EACH	911	911				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	211	211				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	594	594				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	1000	1000				
44213100	PAVEMENT FABRIC	SO YD	1767	1767				
44213200	SAW CUTS	FOOT	868	868				
44213204	TIE BARS 3/4"	EACH	826	826				
<del>60260100</del>	<del>INLETS TO BE ADJUSTED</del>	<del>EACH</del>	<del>233</del>	<del>233</del>				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	85	85				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	51	51				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	100	100				
60406520	FRAMES AND LIDS, OPEN LID (CITY OF CHICAGO)	EACH	15	15				
60406530	FRAMES AND LIDS, CLOSED LID (CITY OF CHICAGO)	EACH	15	15				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 100% STATE ROADWAY				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	38000	38000				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1857.6	1857.6				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	81134	81134				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4681	4681				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1352	1352				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	14471	14471				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2587	2587				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1857.6	1857.6				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	81134	81134				

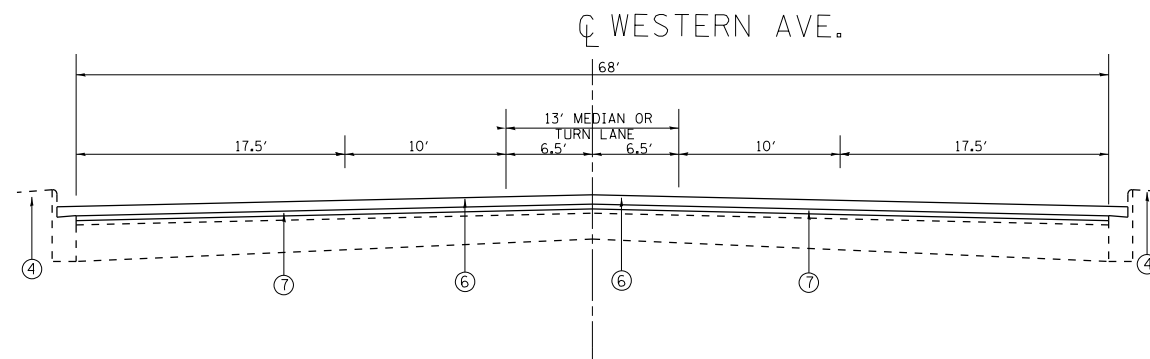
\* SPECIALTY ITEMS

Rev.

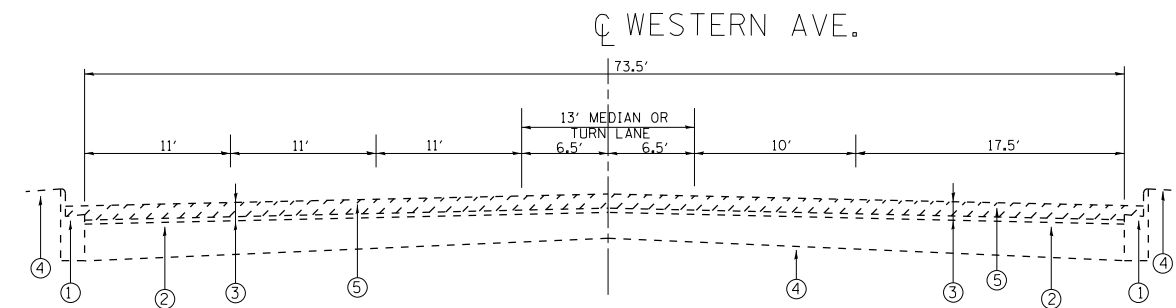




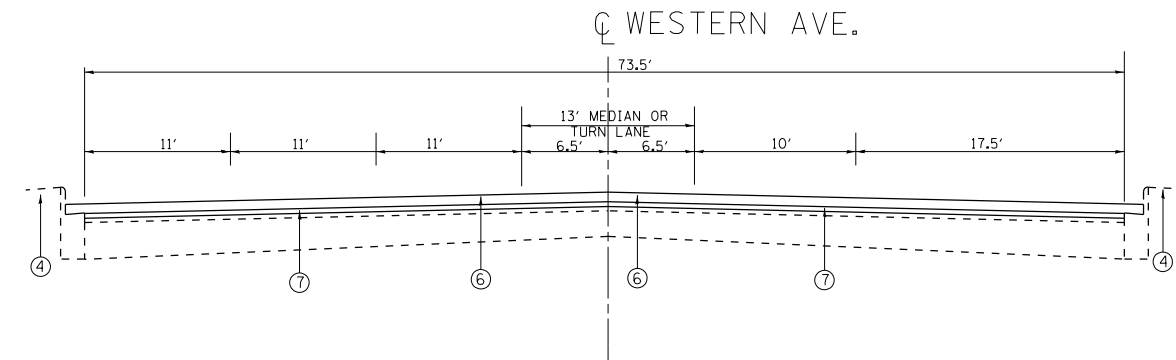
EXISTING TYPICAL SECTION  
WESTERN AVENUE  
STA. 15+91 TO STA. 18+00  
STA. 24+78 TO STA. 149+39  
(RESTRICTED PARKING THROUGHOUT)



PROPOSED TYPICAL SECTION  
WESTERN AVENUE  
STA. 15+91 TO STA. 18+00  
STA. 24+78 TO STA. 149+39  
(RESTRICTED PARKING THROUGHOUT)



EXISTING TYPICAL SECTION  
WESTERN AVENUE  
STA. 18+00 TO STA. 24+78  
(RESTRICTED PARKING THROUGHOUT)



PROPOSED TYPICAL SECTION  
WESTERN AVENUE  
STA. 18+00 TO STA. 24+78  
(RESTRICTED PARKING THROUGHOUT)

**LEGEND:**

- ① EXISTING CURB & GUTTER B 6.12
- ② EXISTING CONCRETE BASE COURSE ±9.5"
- ③ EXISTING HMA OVERLAY ±4.0"
- ④ EXISTING PARKWAY VARIES, GRASS, CONCRETE, BRICK OR HMA
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL 9.5mm); 1 3/4"
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"

**NOTES:**

1. HMA MILLING OVER GUTTER FLAG AT INTERMITTANT LOCATIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQYD FOR HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2".
2. SEE ROADWAY PLAN FOR LIMITS OF CLASS B PATCHING ONLY IN THE RESURFACING OMISSIONS.

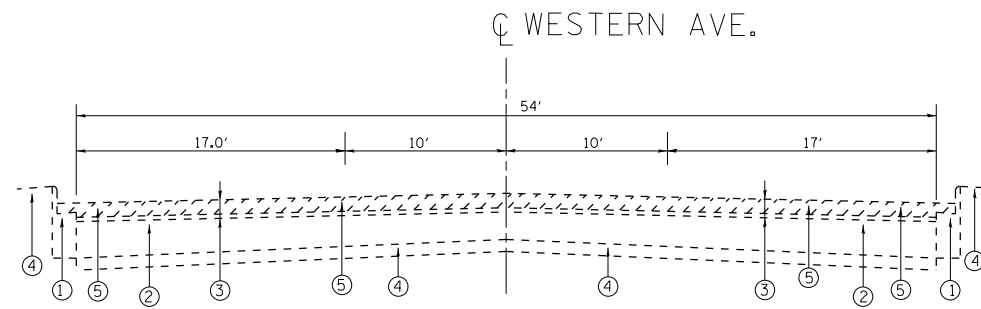
NOTE: CONTRACTOR SHALL PATCH FIRST ACCORDING TO STD. BD-22.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
RESURFACING	
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	3.5% @ 50 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D" N50 (IL 9.5 mm); 2"	4% @ 50 GYR
HMA BASE COURSE (HMA BINDER IL-19 mm); CE - 8"	4% @ 50 GYR

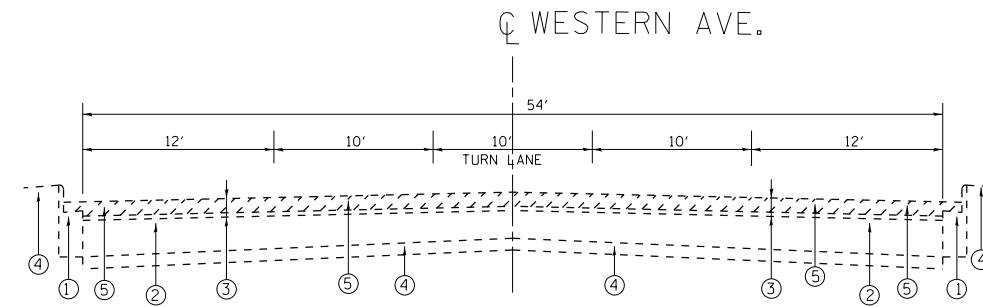
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/ SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" 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.

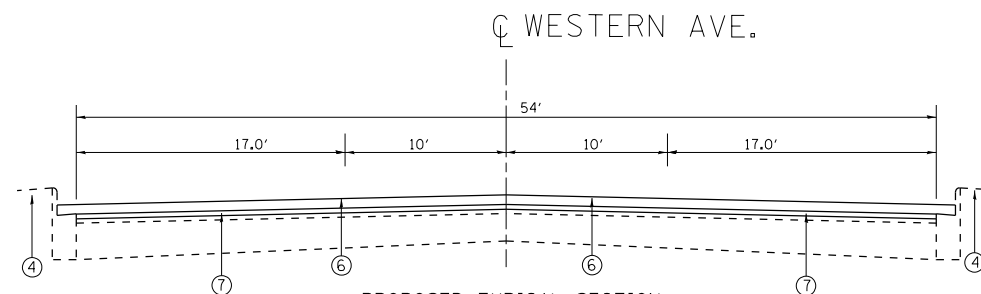
\*PFP APPLIES TO THIS SURFACE MIX ONLY (MIX F)



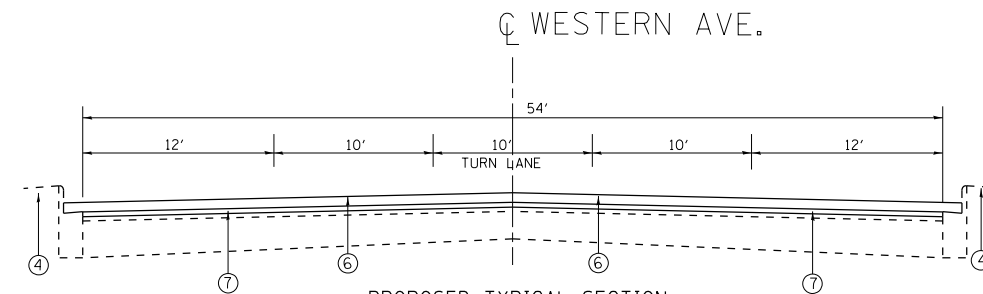
EXISTING TYPICAL SECTION  
WESTERN AVENUE  
STA. 149+39 TO STA. 168+51  
STA. 173+36 TO STA. 180+18  
STA. 187+43 TO STA. 195+10  
STA. 199+90 TO STA. 221+57  
STA. 226+31 TO STA. 247+52  
STA. 255+03 TO STA. 258+51  
STA. 264+01 TO STA. 264+61  
STA. 266+19 TO STA. 274+81  
STA. 279+54 TO STA. 281+35  
(RESTRICTED PARKING THROUGHOUT)



EXISTING TYPICAL SECTION  
WESTERN AVENUE  
STA. 168+51 TO STA. 173+36  
STA. 180+18 TO STA. 187+43  
STA. 195+10 TO STA. 199+90  
STA. 221+57 TO STA. 226+31  
STA. 254+03 TO STA. 255+03  
STA. 258+51 TO STA. 264+01  
STA. 274+81 TO STA. 279+54  
STA. 281+35 TO STA. 285+10  
(RESTRICTED PARKING THROUGHOUT)



PROPOSED TYPICAL SECTION  
WESTERN AVENUE  
STA. 149+39 TO STA. 168+51  
STA. 173+36 TO STA. 180+18  
STA. 187+43 TO STA. 195+10  
STA. 199+90 TO STA. 221+57  
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PROPOSED TYPICAL SECTION  
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(RESTRICTED PARKING THROUGHOUT)

**LEGEND:**

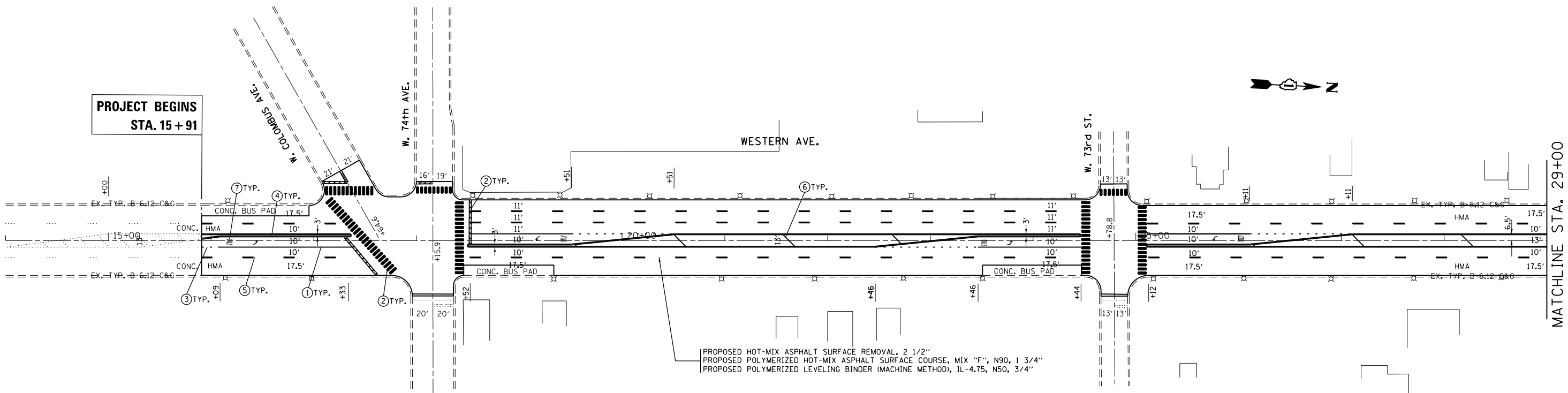
- ① EXISTING CURB & GUTTER B 6.12
- ② EXISTING CONCRETE BASE COURSE ±9.5"
- ③ EXISTING HMA OVERLAY ±4.0"
- ④ EXISTING PARKWAY VARIES, GRASS, CONCRETE, BRICK OR HMA
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL 9.5mm); 1 3/4"
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"

**NOTES:**

1. HMA MILLING OVER GUTTER FLAG AT INTERMITTANT LOCATIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SOYD FOR HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2".
2. SEE ROADWAY PLAN FOR LIMITS OF CLASS B PATCHING ONLY IN THE RESURFACING OMISSIONS.

FILE NAME =	USER NAME = obreueh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVENUE (34TH STREET TO COLUMBUS DRIVE) TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\obreueh\d0282900\0104212-Design.dgn	DRAWN -	REVISED -	370			2011-089-R5	COOK	30	7	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 60R16							
PLOT DATE = 4/11/2013	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
						SCALE: NTS	SHEET NO.	OF SHEETS	STA. X	TO STA. X

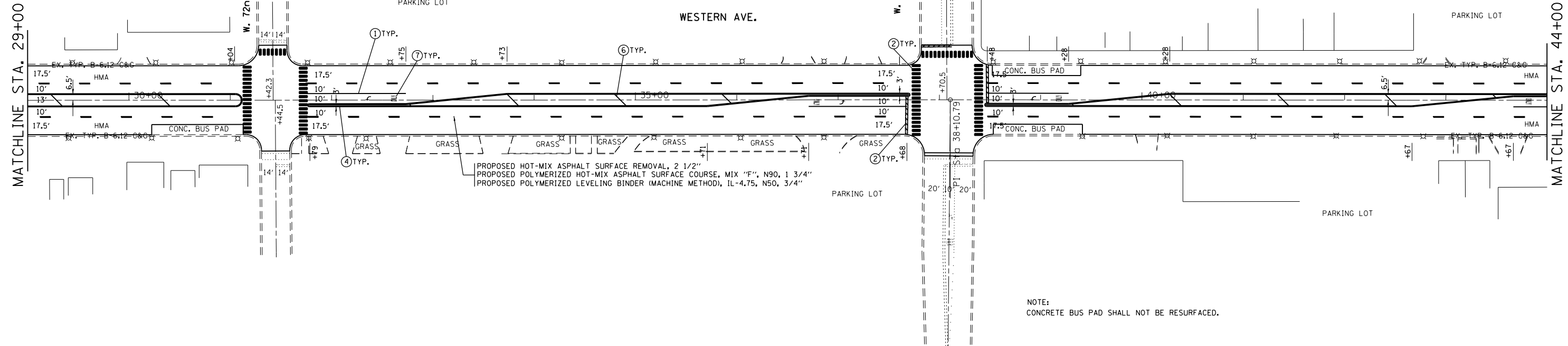
**PROJECT BEGINS  
STA. 15+91**



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

LEGEND	
① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
 NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.



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

NOTE:  
 CONCRETE BUS PAD SHALL NOT BE RESURFACED.

FILE NAME =	USER NAME = obreueh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVE. (COLOMBUS DR. TO 34th ST.)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dtdot\obreueh\d0282900\DI04212-sh1-plan.dgn		DRAWN -	REVISED -			370	2011-089-RS	COOK	30	8
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60R16				
PLOT DATE = 4/11/2013		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE:						SHEET	OF	SHEETS	STA. 15+95.7	TO STA. 44+00



MATCHLINE STA. 44+00

MATCHLINE STA. 59+00

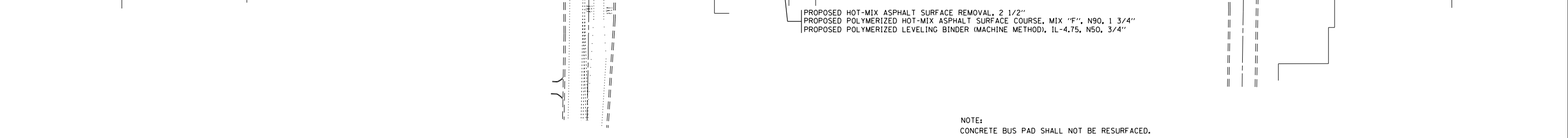
**LEGEND**

① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

MATCHLINE STA. 59+00

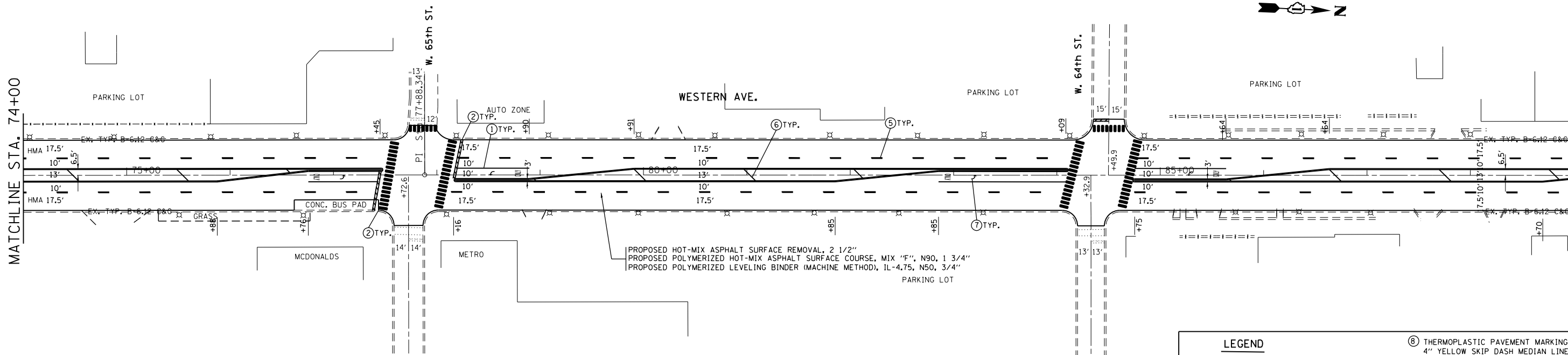
MATCHLINE STA. 74+00



FILE NAME =	USER NAME = obreuh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVE. (COLOMBUS DR. TO 34th ST.)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pwork\p\dot\obreuh\d0282900\DI04212-sh1-plan.dgn		DRAWN -	REVISED -					370	2011-089-RS	COOK	30	9
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 60R16							
PLOT DATE = 4/11/2013		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

MATCHLINE STA. 74+00

MATCHLINE STA. 89+00

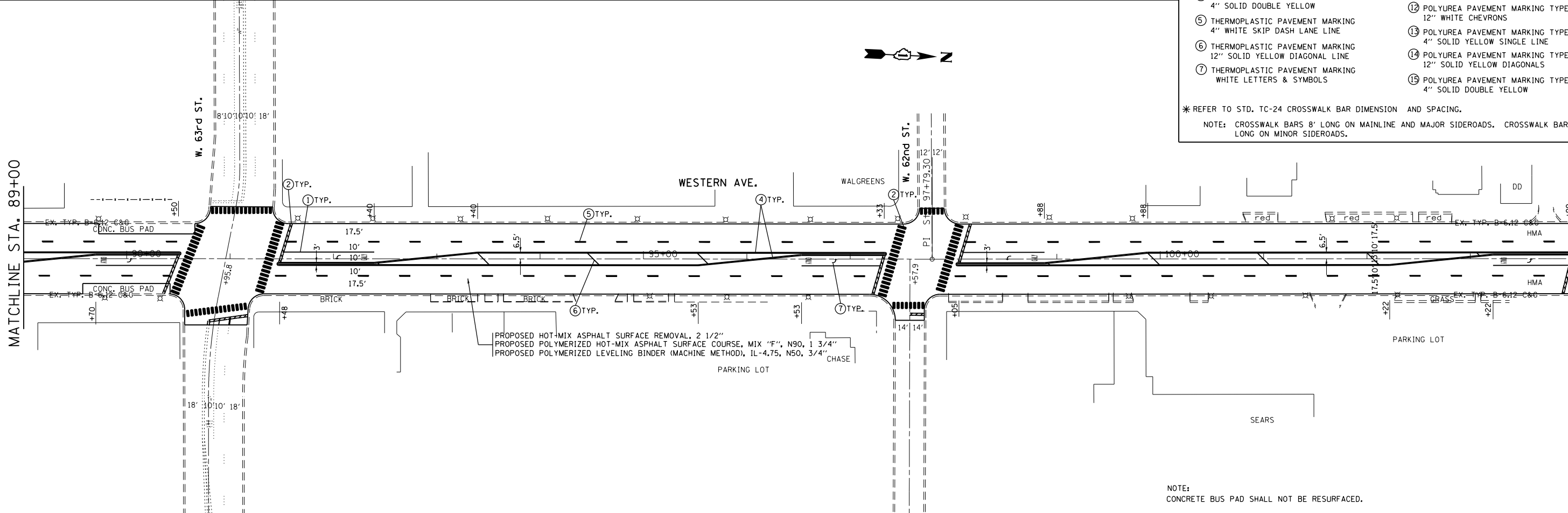


LEGEND	
① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

MATCHLINE STA. 89+00

MATCHLINE STA. 104+00



NOTE:  
CONCRETE BUS PAD SHALL NOT BE RESURFACED.

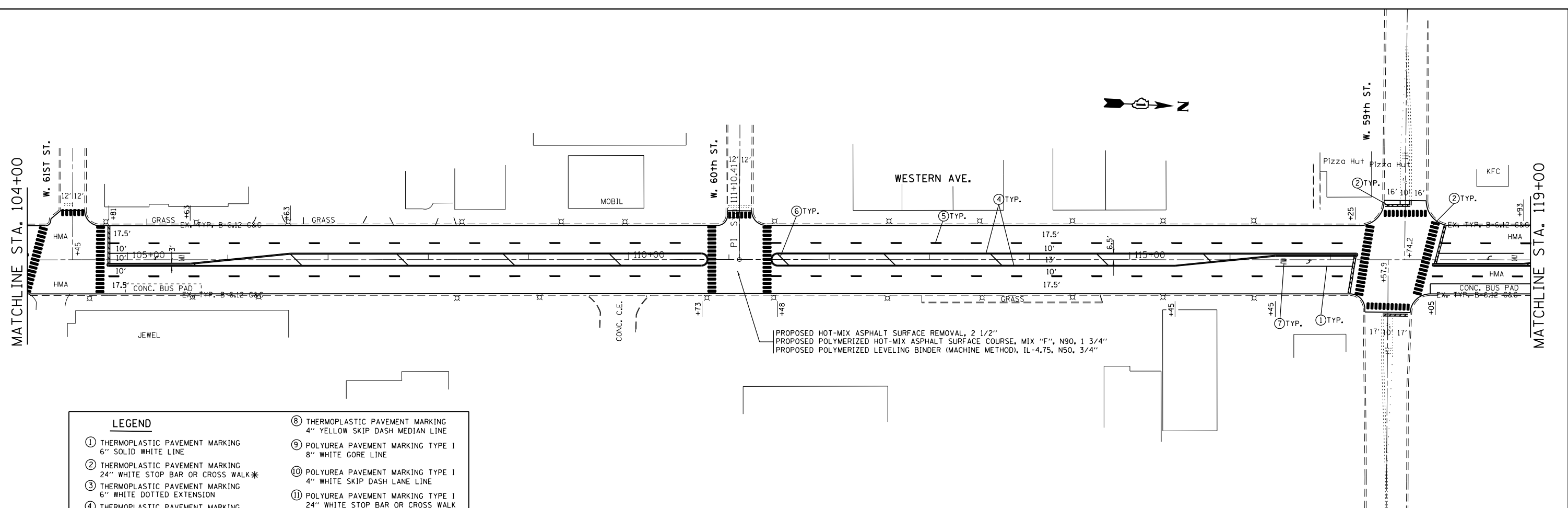
FILE NAME =	USER NAME = obreueh	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WESTERN AVE. (COLOMBUS DR. TO 34th ST.)

SCALE: 1"=50' SHEET OF SHEETS STA. 74+00 TO STA. 104+00

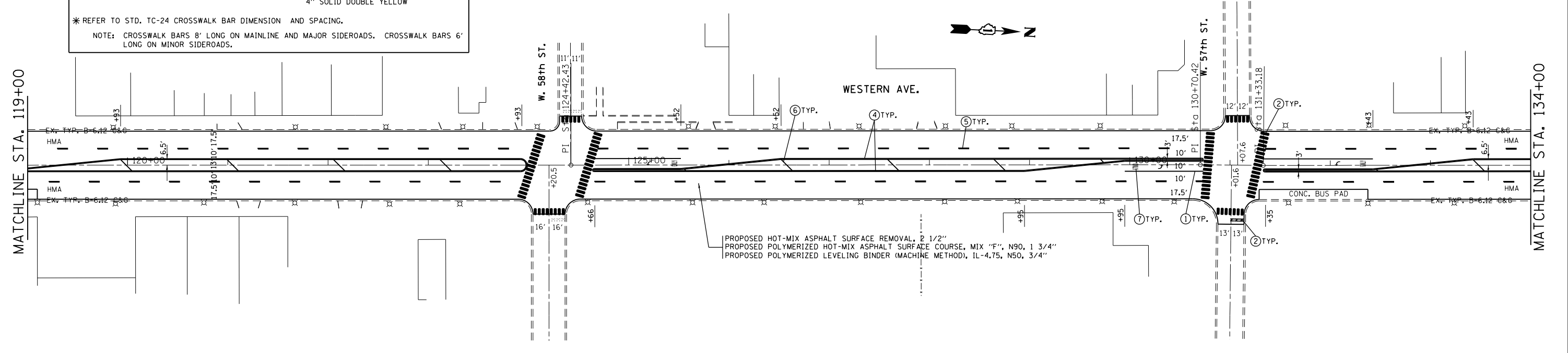
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-RS	COOK	30	10
CONTRACT NO. 60R16				
ILLINOIS FED. AID PROJECT				



**LEGEND**

① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

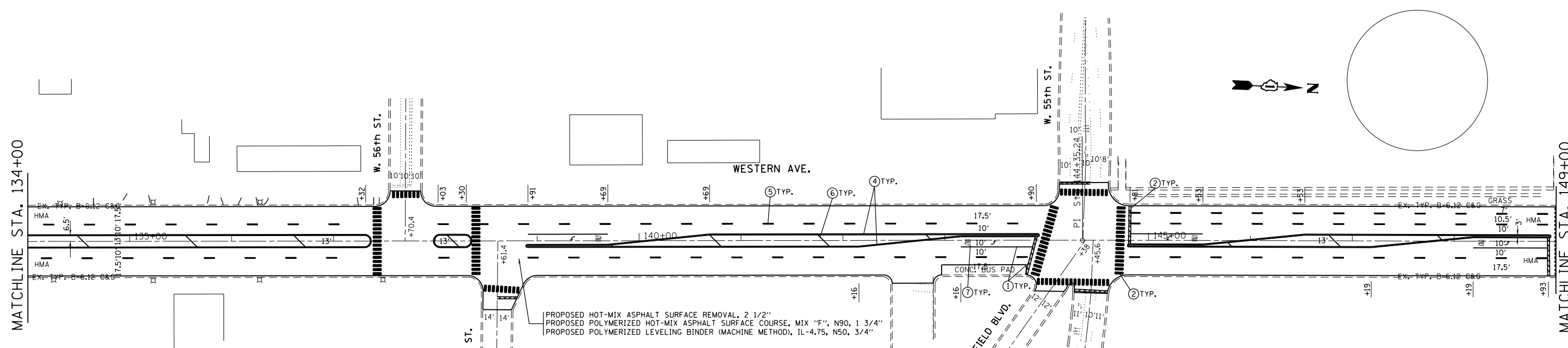


NOTE:  
CONCRETE BUS PAD SHALL NOT BE RESURFACED.

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 104+00	TO STA. 134+00	CONTRACT NO. 60R16		
PLOT DATE = 4/11/2013	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								

MATCHLINE STA. 134+00

MATCHLINE STA. 149+00



**LEGEND**

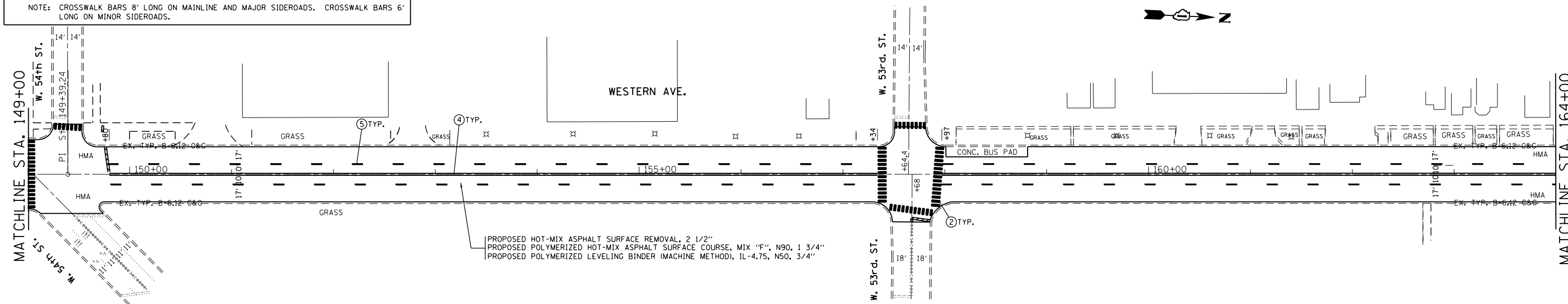
① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.

NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

MATCHLINE STA. 149+00

MATCHLINE STA. 164+00

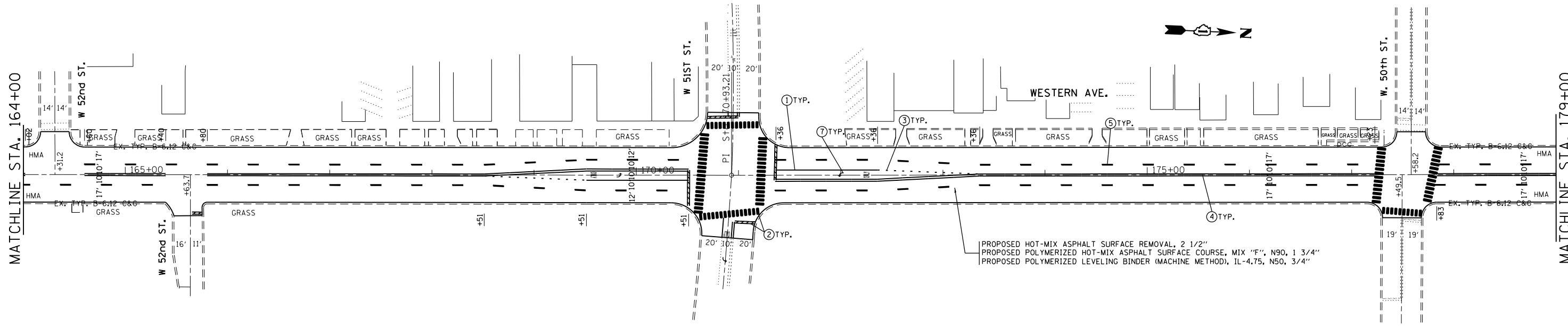


NOTE:  
CONCRETE BUS PAD SHALL NOT BE RESURFACED.

FILE NAME =	USER NAME = obreuh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVE. (COLOMBUS DR. TO 34th ST.)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\obreuh\d0282900\DI0412-sh1-plan.dgn		DRAWN -	REVISED -			370	2011-089-RS	COOK	30	12
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60R16				
PLOT DATE = 4/11/2013		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: SHEET OF SHEETS STA. 134+00 TO STA. 164+00										

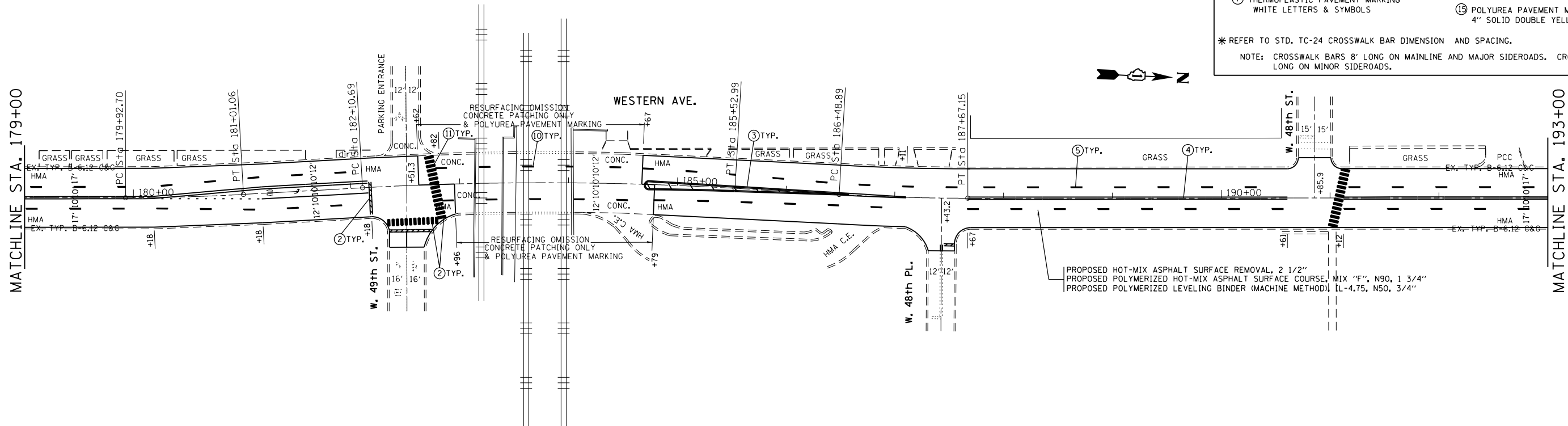
MATCHLINE STA. 164+00

MATCHLINE STA. 179+00



MATCHLINE STA. 179+00

MATCHLINE STA. 193+00



LEGEND	
① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

NOTE:  
CONCRETE BUS PAD SHALL NOT BE RESURFACED.

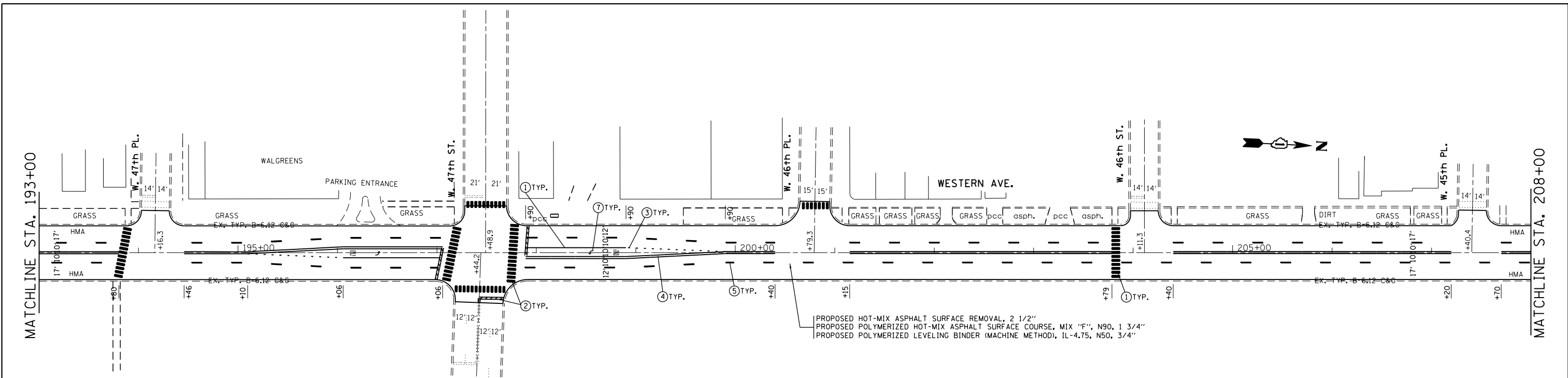
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 4/11/2013		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WESTERN AVE. (COLOMBUS DR. TO 34th ST.)

SCALE: SHEET OF SHEETS STA. 164+00 TO STA. 193+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-RS	COOK	30	13
CONTRACT NO. 60R16				
ILLINOIS FED. AID PROJECT				

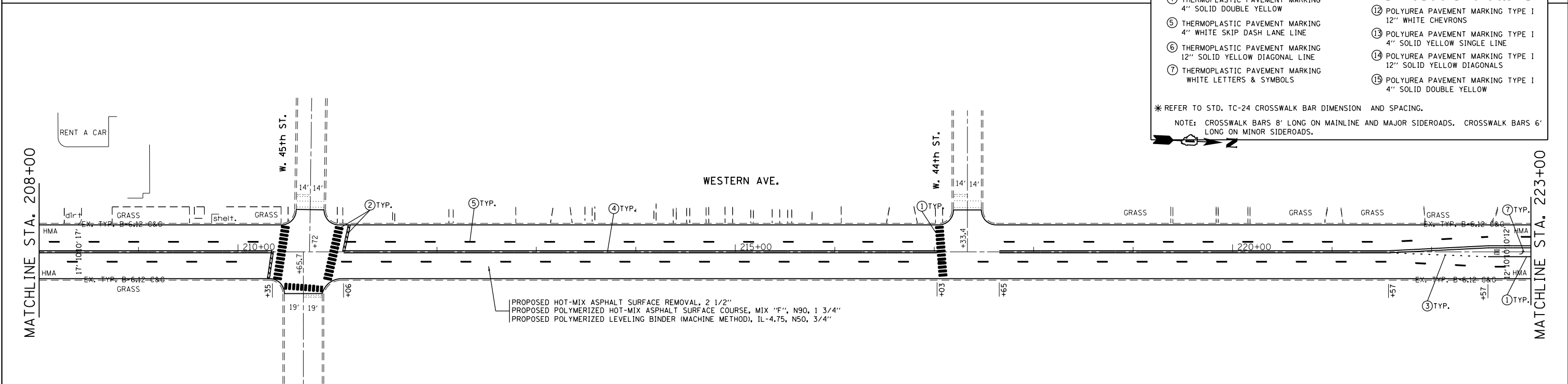


PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"  
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"  
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

**LEGEND**

① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
 NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.



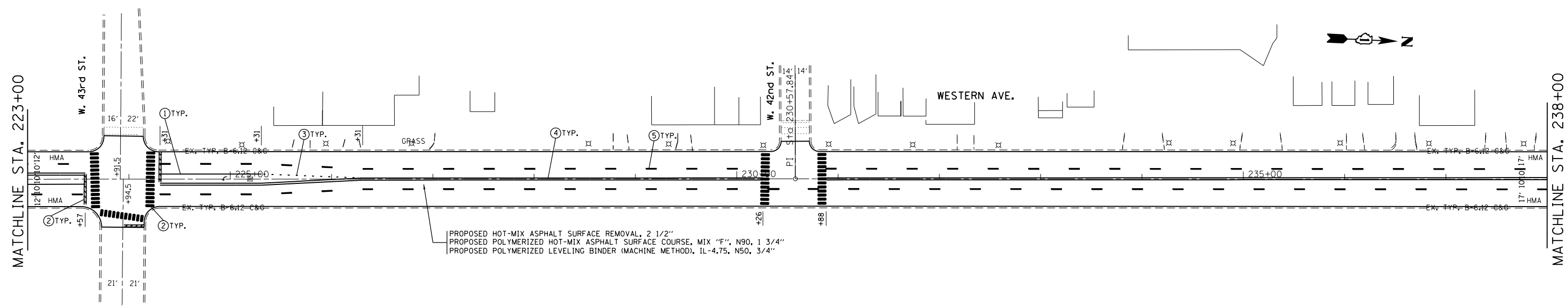
PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"  
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"  
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

NOTE:  
 CONCRETE BUS PAD SHALL NOT BE RESURFACED.

FILE NAME = c:\p\work\p\dot\obreueh\d0282900\0104	USER NAME = obreueh 12-sh1-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVE. (COLOMBUS DR. TO 34th ST.)</b>			F.A.P. RTE. 370	SECTION 2011-089-RS	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 14
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 193+00	TO STA. 223+00	CONTRACT NO. 60R16	
PLOT DATE = 4/11/2013	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

MATCHLINE STA. 223+00

MATCHLINE STA. 238+00



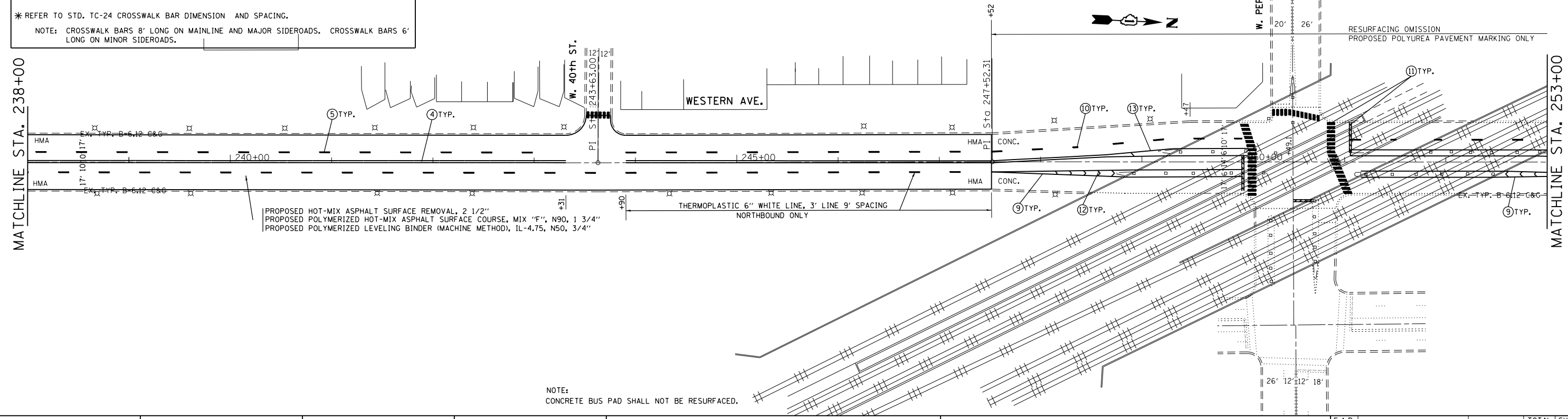
PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"  
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"  
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

LEGEND	
① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑥ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
 NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

MATCHLINE STA. 238+00

MATCHLINE STA. 253+00

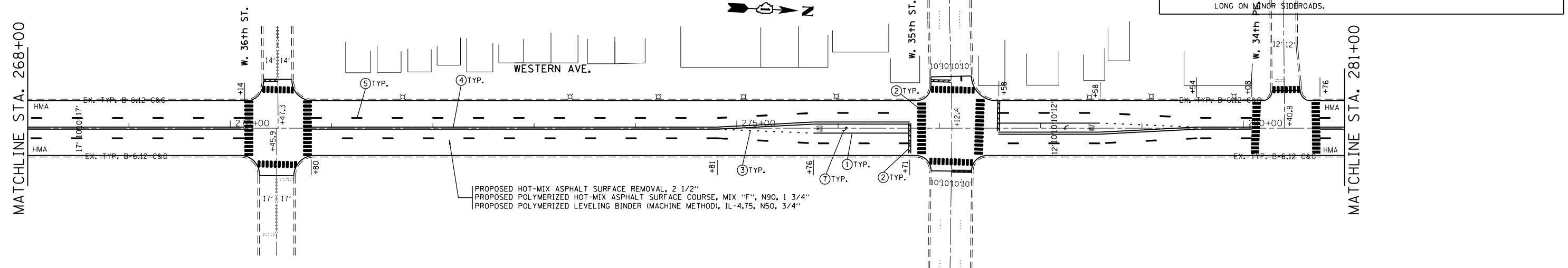
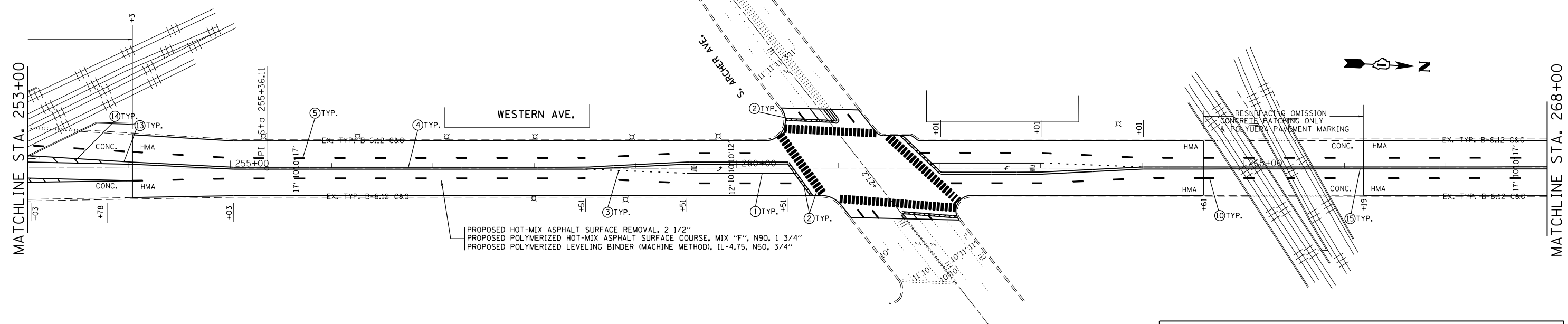


PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"  
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"  
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

THERMOPLASTIC 6" WHITE LINE, 3' LINE 9' SPACING  
 NORTHBOUND ONLY

NOTE:  
 CONCRETE BUS PAD SHALL NOT BE RESURFACED.

FILE NAME =	USER NAME = obreueh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVE. (COLOMBUS DR. TO 34th ST.)</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pwwork\pwwid\obreueh\d0282900\0104212-sh1-plan.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -				370	2011-089-RS	COOK	30	15
PLOT DATE = 4/11/2013	DATE -	CHECKED -	REVISED -		CONTRACT NO. 60R16			ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 233+00	TO	STA. 253+00



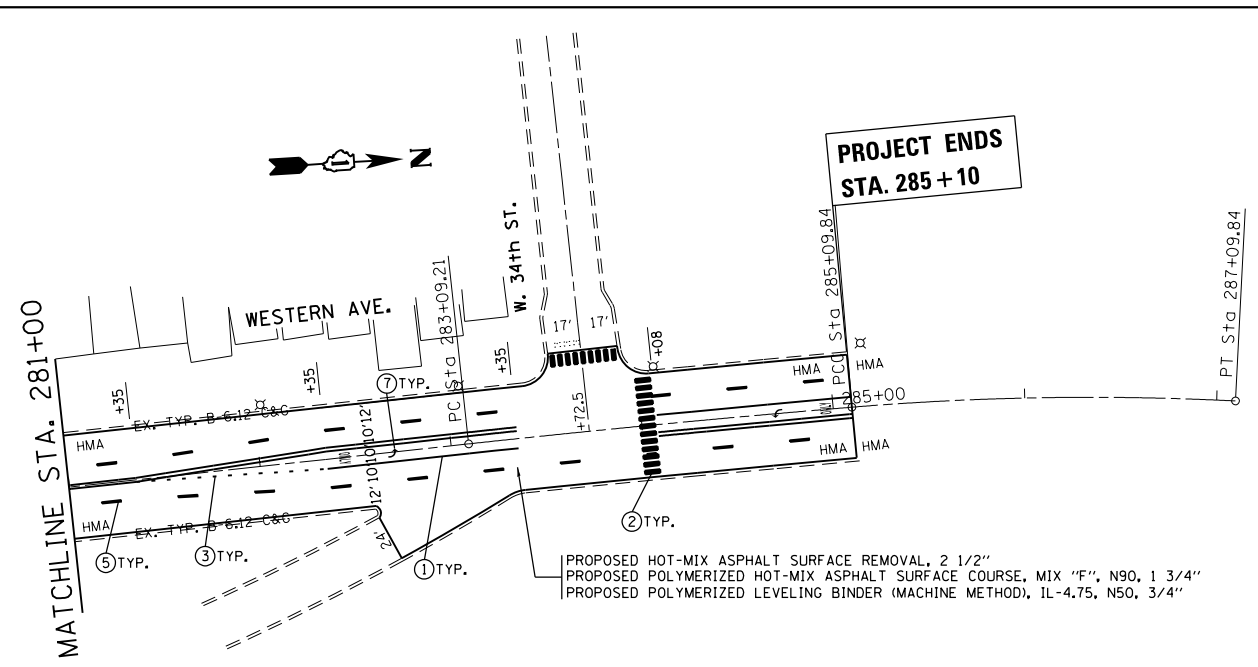
LEGEND	
① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
⑤ THERMOPLASTIC PAVEMENT MARKING 4" WHITE SKIP DASH LANE LINE	⑫ POLYUREA PAVEMENT MARKING TYPE I 12" WHITE CHEVRONS
⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

NOTE:  
CONCRETE BUS PAD SHALL NOT BE RESURFACED.

FILE NAME =	USER NAME = abreueh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVE. (COLOMBUS DR. TO 34th ST.)</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ci:\pw\work\p\idot\obreueh\0282900\0104\12-sh1-plan.dgn		DRAWN -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 253+00	TO STA. 281+00	370	2011-089-RS	COOK	30	16
		CHECKED -	REVISED -						CONTRACT NO. 60R16						
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT						





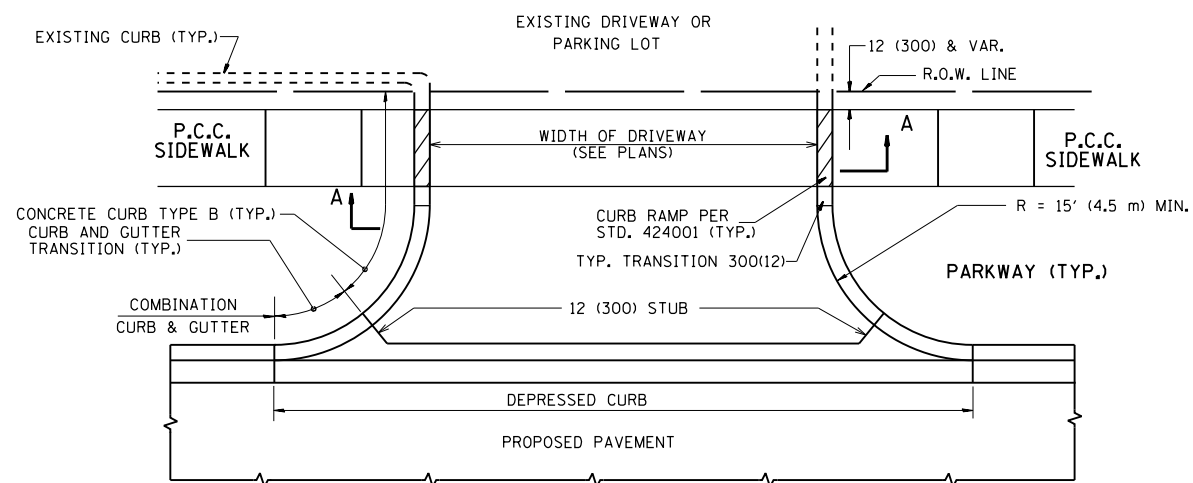
PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"  
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"  
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

LEGEND	
① THERMOPLASTIC PAVEMENT MARKING 6" SOLID WHITE LINE	⑧ THERMOPLASTIC PAVEMENT MARKING 4" YELLOW SKIP DASH MEDIAN LINE
② THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR OR CROSS WALK*	⑨ POLYUREA PAVEMENT MARKING TYPE I 8" WHITE GORE LINE
③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE DOTTED EXTENSION	⑩ POLYUREA PAVEMENT MARKING TYPE I 4" WHITE SKIP DASH LANE LINE
④ THERMOPLASTIC PAVEMENT MARKING 4" SOLID DOUBLE YELLOW	⑪ POLYUREA PAVEMENT MARKING TYPE I 24" WHITE STOP BAR OR CROSS WALK
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⑥ THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW DIAGONAL LINE	⑬ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SINGLE LINE
⑦ THERMOPLASTIC PAVEMENT MARKING WHITE LETTERS & SYMBOLS	⑭ POLYUREA PAVEMENT MARKING TYPE I 12" SOLID YELLOW DIAGONALS
	⑮ POLYUREA PAVEMENT MARKING TYPE I 4" SOLID DOUBLE YELLOW

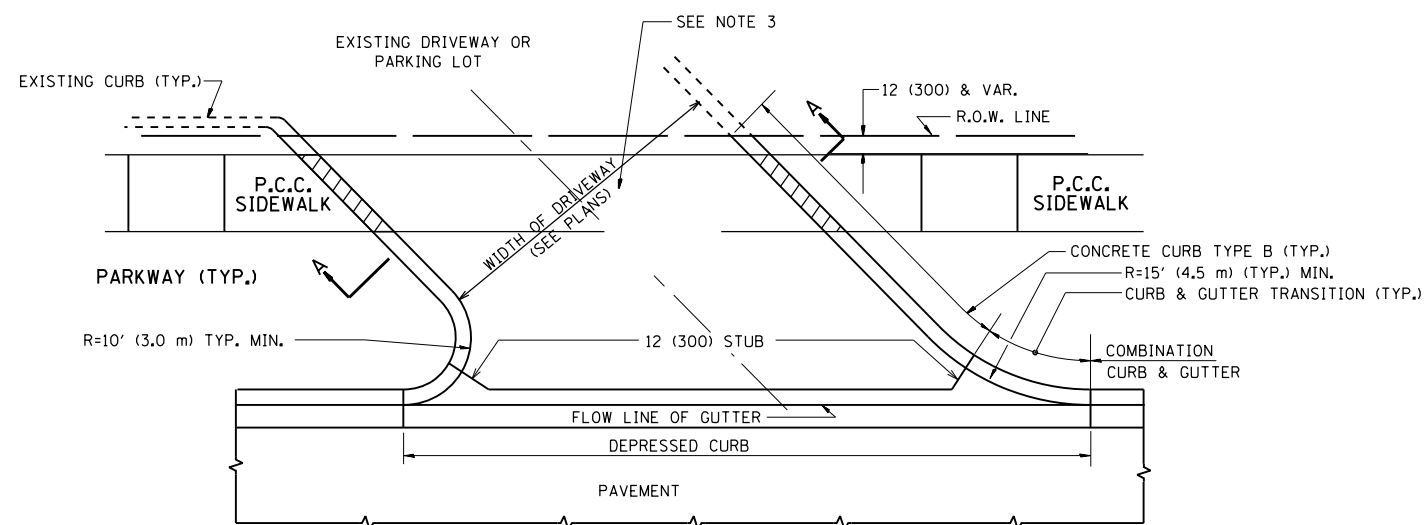
\* REFER TO STD. TC-24 CROSSWALK BAR DIMENSION AND SPACING.  
 NOTE: CROSSWALK BARS 8' LONG ON MAINLINE AND MAJOR SIDEROADS. CROSSWALK BARS 6' LONG ON MINOR SIDEROADS.

NOTE:  
 CONCRETE BUS PAD SHALL NOT BE RESURFACED.

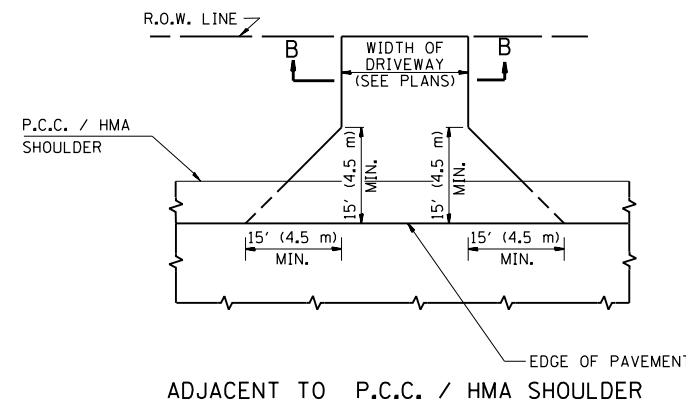
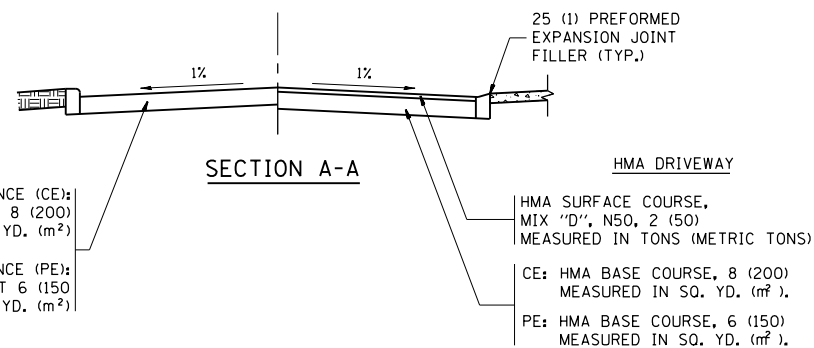
FILE NAME =	USER NAME = obreueh	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WESTERN AVE. (COLOMBUS DR. TO 34th ST.)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw\work\p\idot\obreueh\d0282900\DI04212-sh1-plan.dgn		DRAWN -	REVISED -					370	2011-089-RS	COOK	30	17
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 60R16							
PLOT DATE = 4/11/2013		DATE -	REVISED -		SCALE: 1"=50'	SHEET OF SHEETS	STA. 281+00 TO STA. 284+65.8	ILLINOIS FED. AID PROJECT				



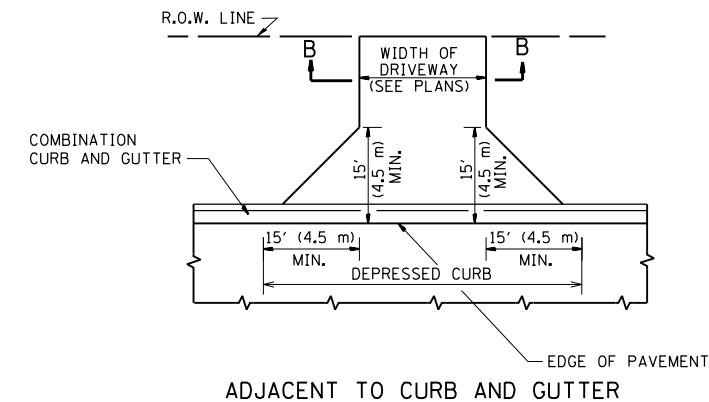
WITH CONCRETE CURB, TYPE B



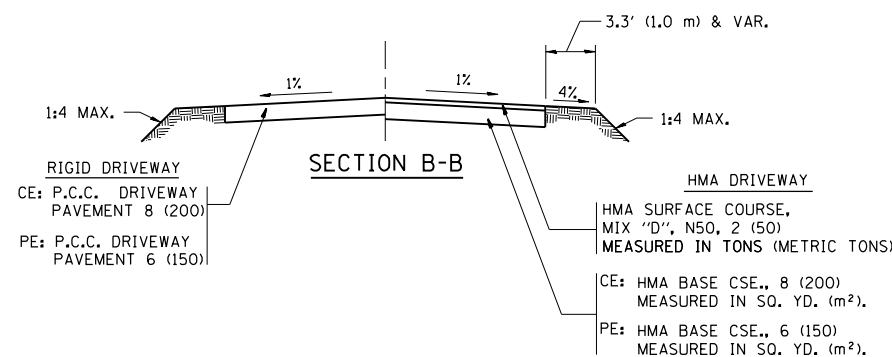
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,  
MIX "D", N50, 2 (50)  
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)  
MEASURED IN SQ. YD. (m²).

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

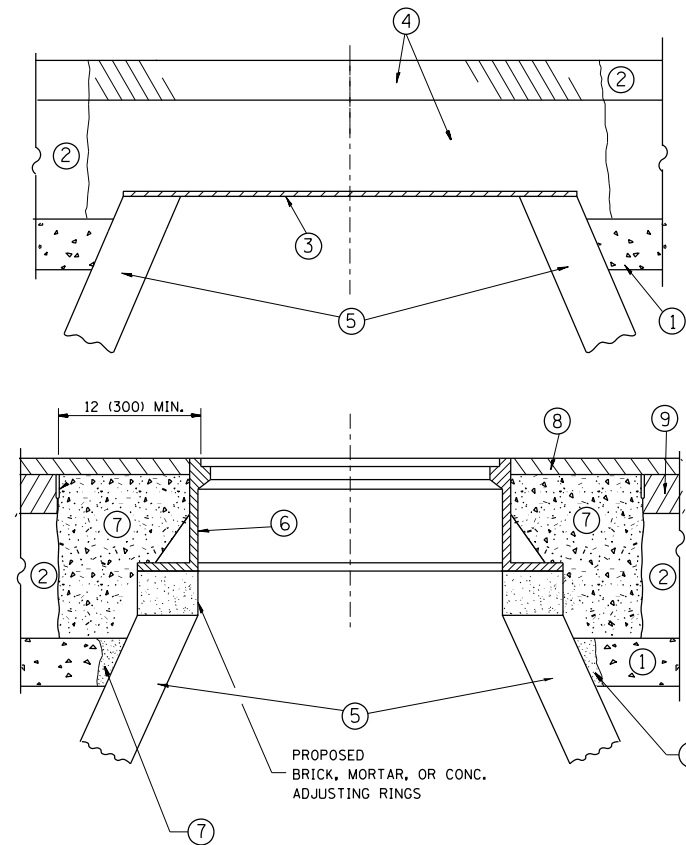
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = obreueh	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
et:\pw\work\p\id\obreueh\0282900\Dist\d.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0002' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 4/11/2013	DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	18
BD0156-07 (BD-01)			CONTRACT NO. 60R16	
FED. ROAD DIST. NO. 1 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 1/2 (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 PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**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 PP-1\* CONCRETE
- 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:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

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 =	USER NAME = abreuah	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
et:\pw\work\p1dot\abreuah\d0282900\Dist\td.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 4/11/2013	DATE - 10-25-94	REVISED - R. BORO 12-06-11

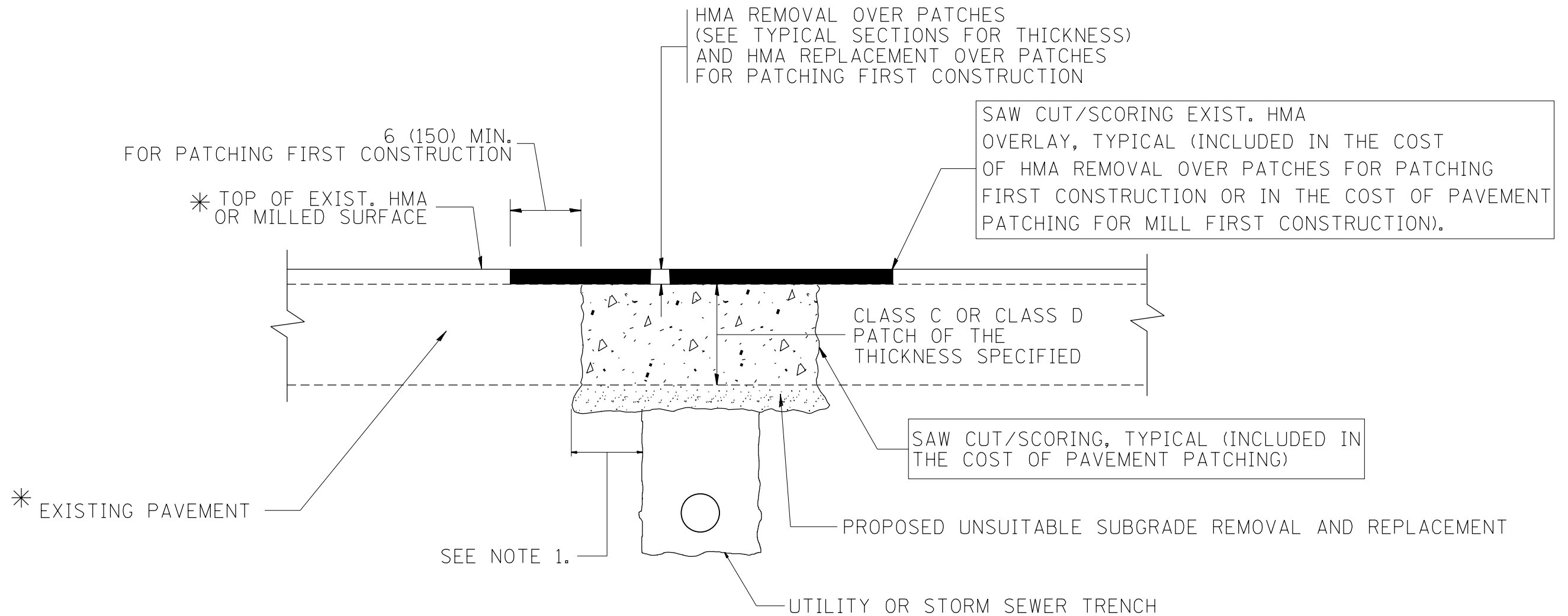
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	19
BD600-03 (BD-8)		CONTRACT NO.	60R16	
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 =	USER NAME = obreueh	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
et:\pw\work\p1dot\obreueh\d0282900\Dist\td.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 09-04-07
		DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	21
<b>BD400-04 (BD-22)</b>		<b>CONTRACT NO. 60R16</b>		
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.

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.

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.

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

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.

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

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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.

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".

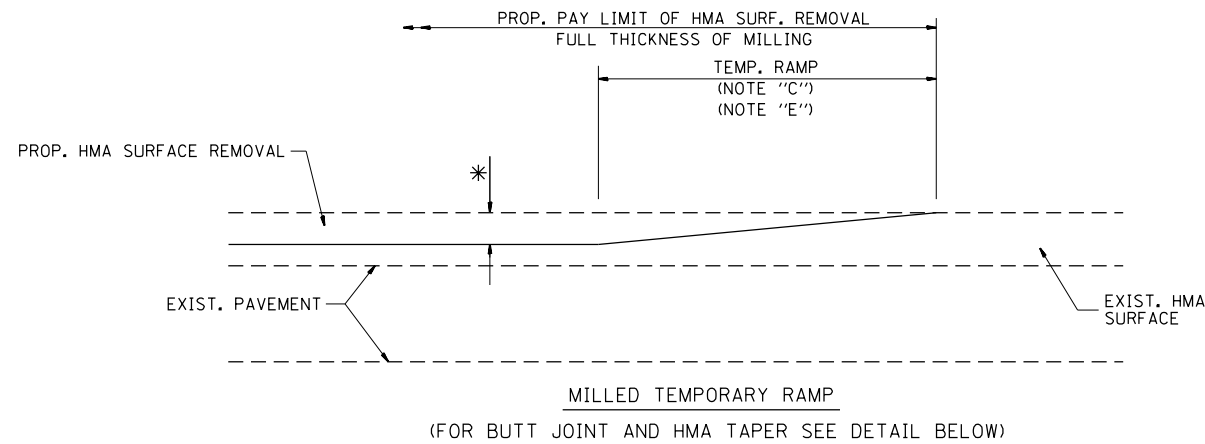
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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.

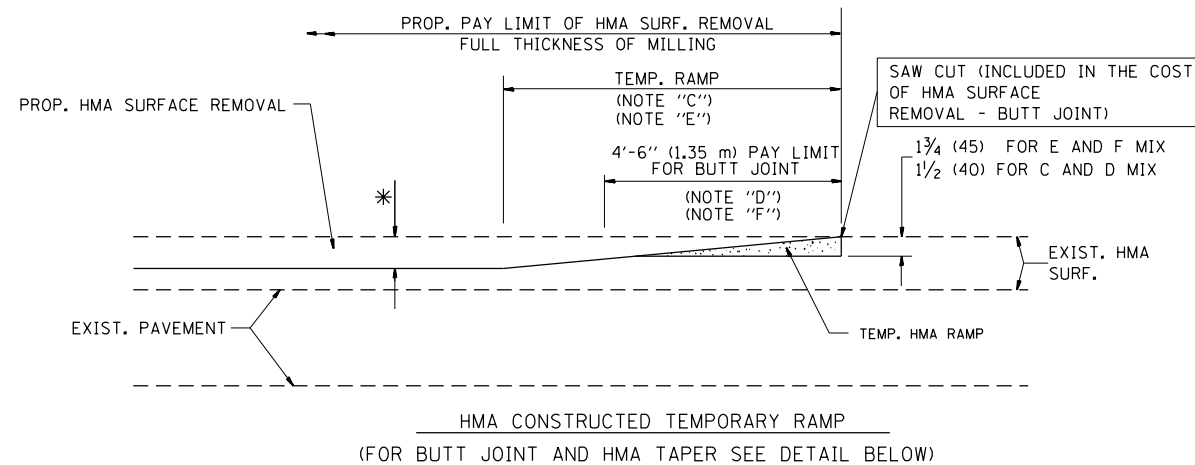
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = obreueh	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\obreueh\d0282900\Dist\td.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01					370	2011-089-R5	COOK	30	22
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - R. BORO 12-15-09			BD600-06 (BD-24)		CONTRACT NO. 60R16					
PLOT DATE = 4/11/2013	DATE - 03-11-94				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

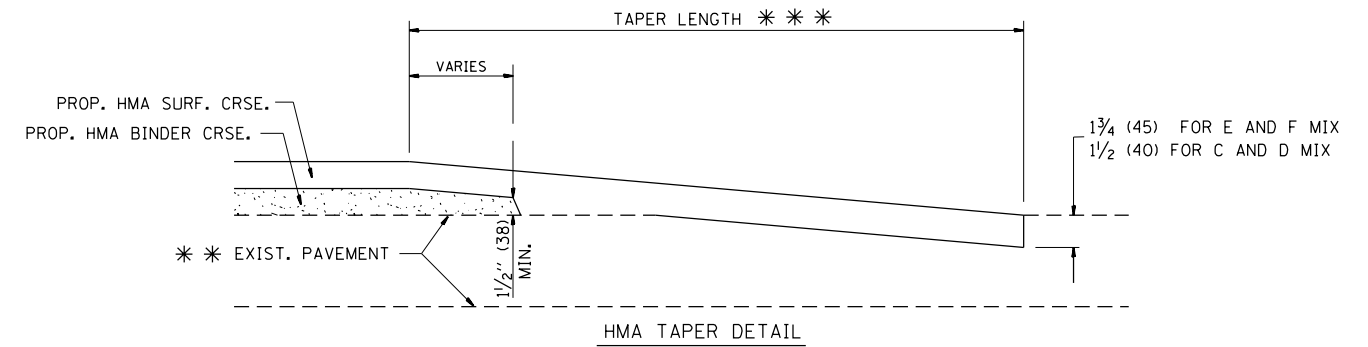
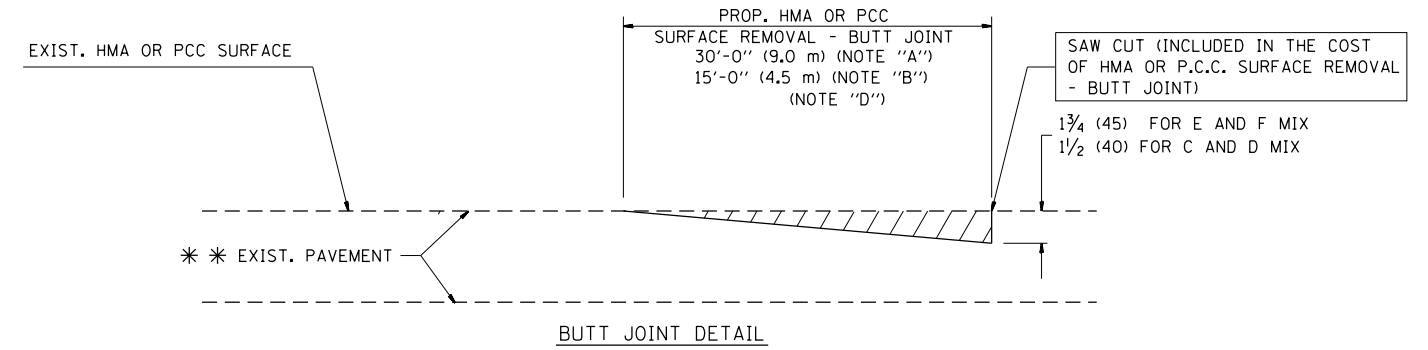


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



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

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

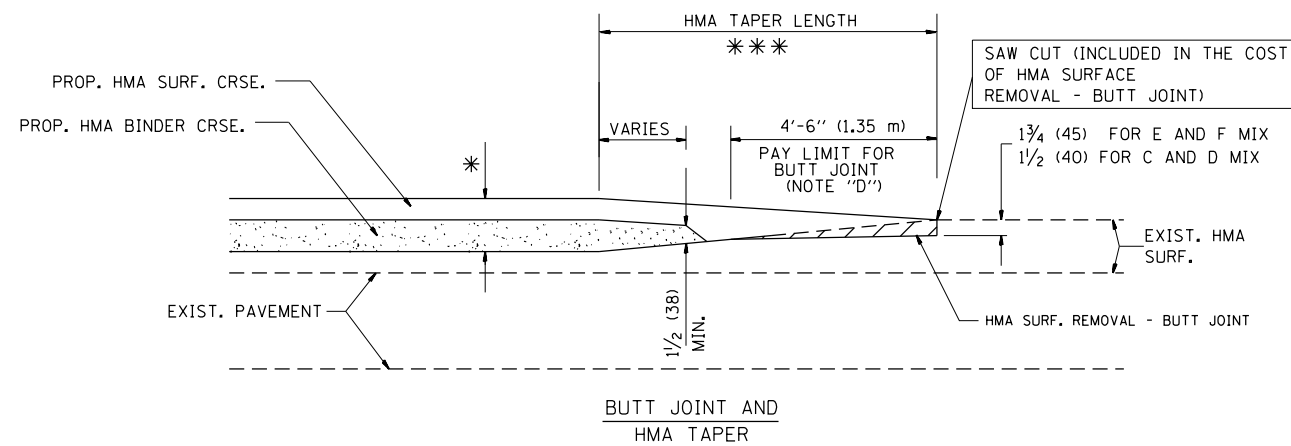
**NOTES**

- 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.



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

FILE NAME =	USER NAME = obreueh	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
et:\pw\work\p1dot\obreueh\d0282900\Dist\d.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 4/11/2013	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

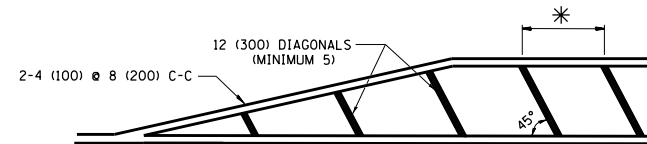
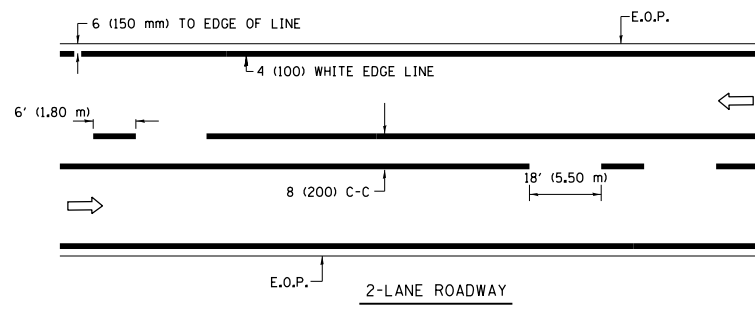
<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	23
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 60R16</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



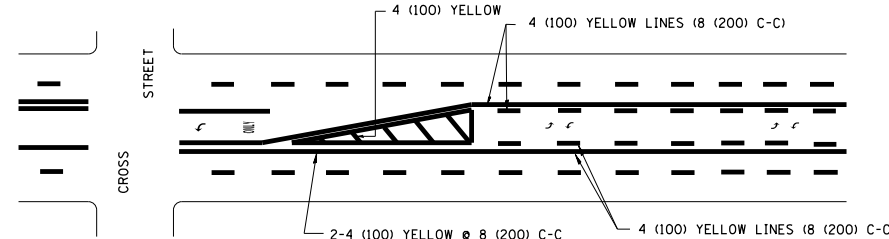




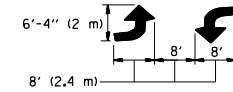


\* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 \* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

**PAINTED MEDIANS**

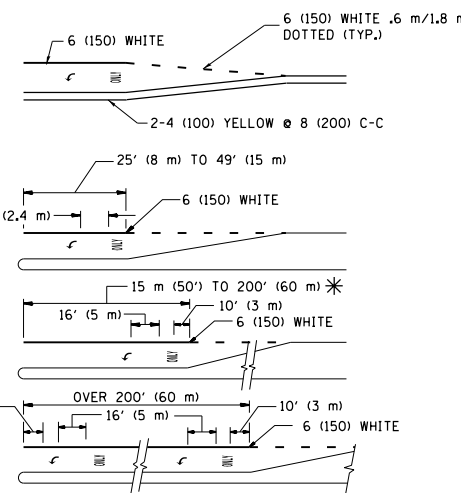


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



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

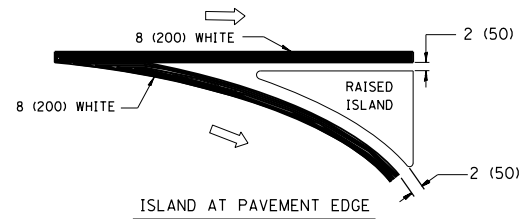
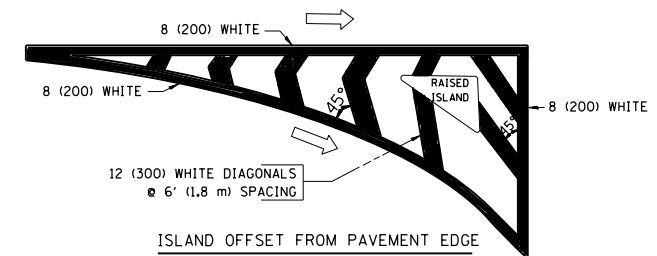
**TYPICAL PAINTED MEDIAN MARKING**



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.8 SQ. FT. (1.47 m<sup>2</sup>) ONLY AREA = 22.9 SQ. FT. (2.13 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**

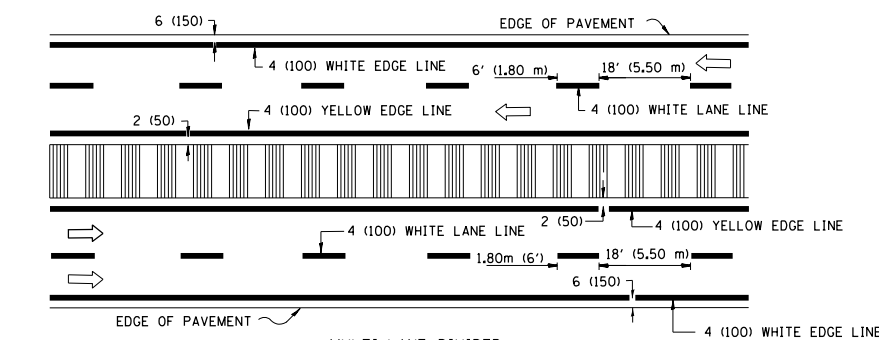
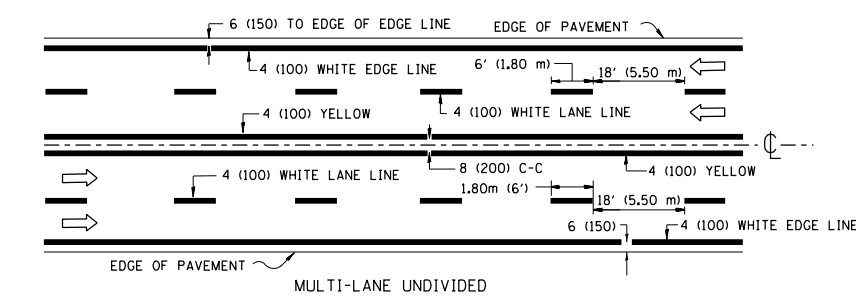


**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) 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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )

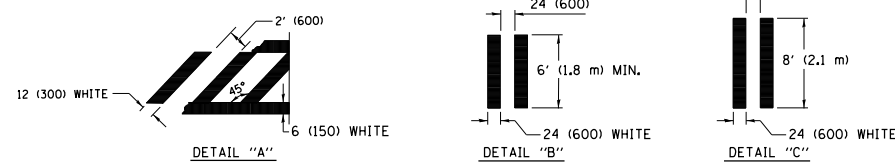
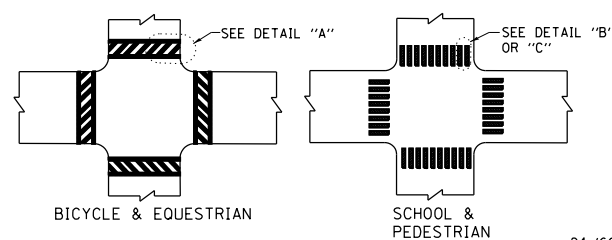
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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



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

**TYPICAL LANE AND EDGE LINE MARKING**



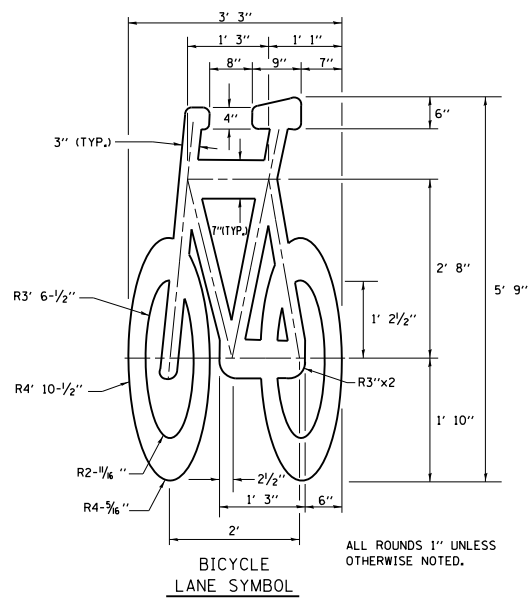
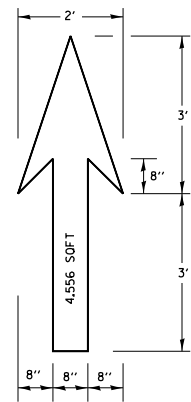
**TYPICAL CROSSWALK MARKING**

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/11/2013	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

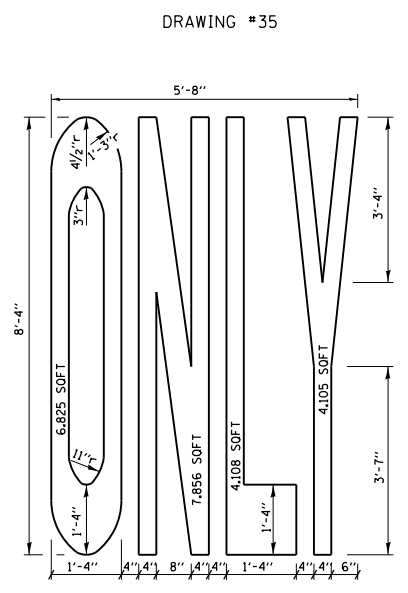
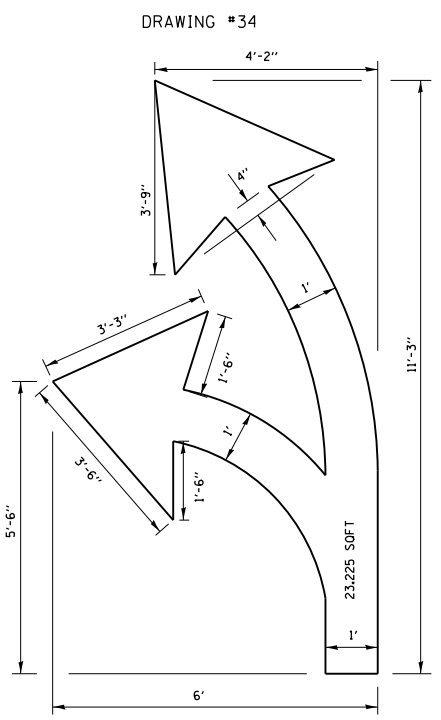
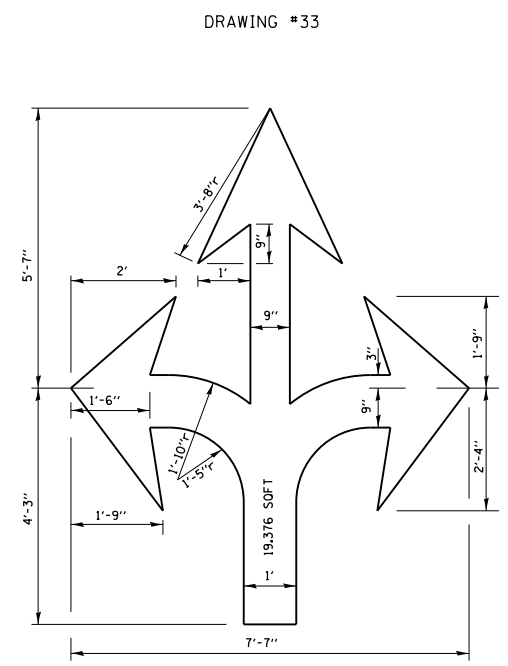
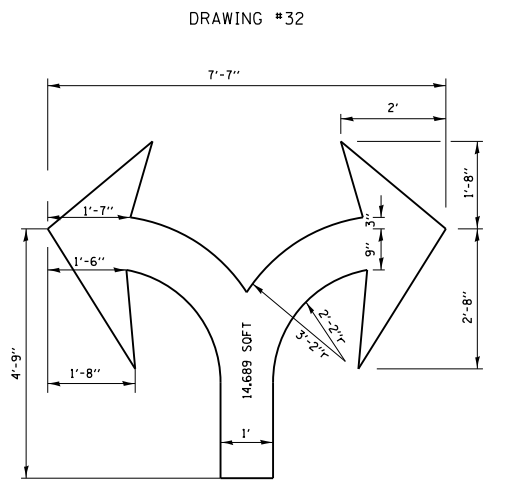
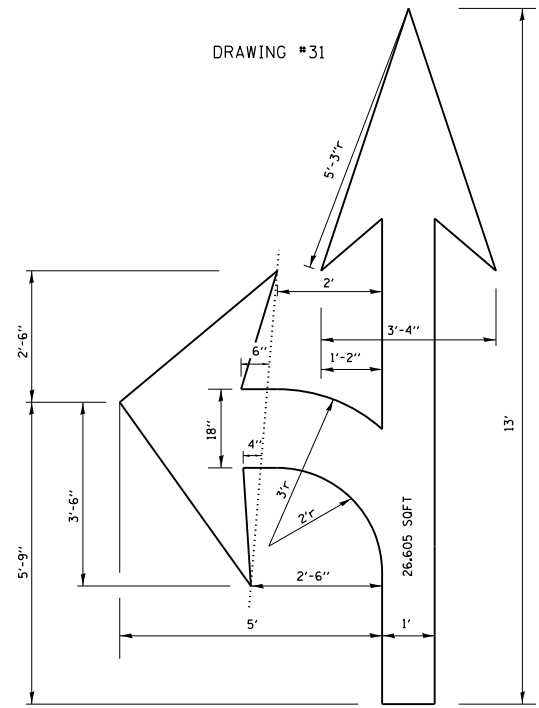
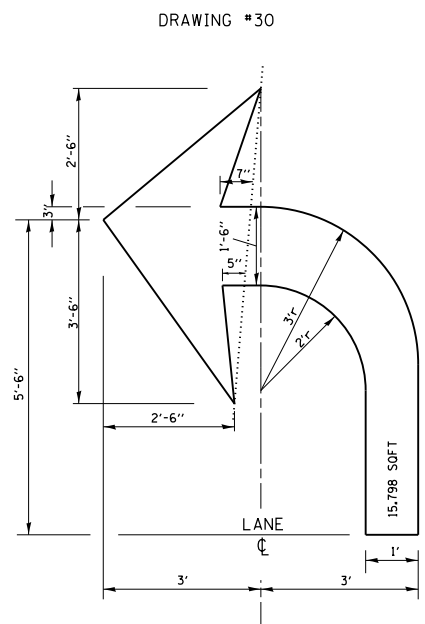
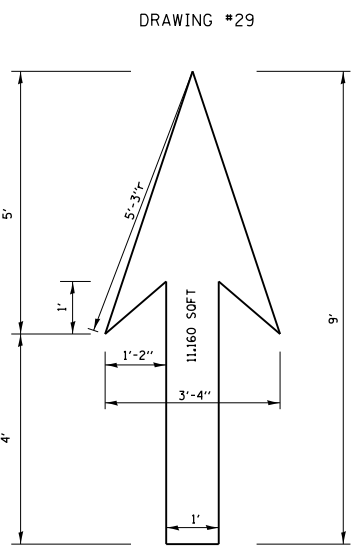
CITY OF CHICAGO			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	26
TC-24		CONTRACT NO. 60R16		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

**TYPICAL BIKE LANE SYMBOLS**  
DRAWING #28



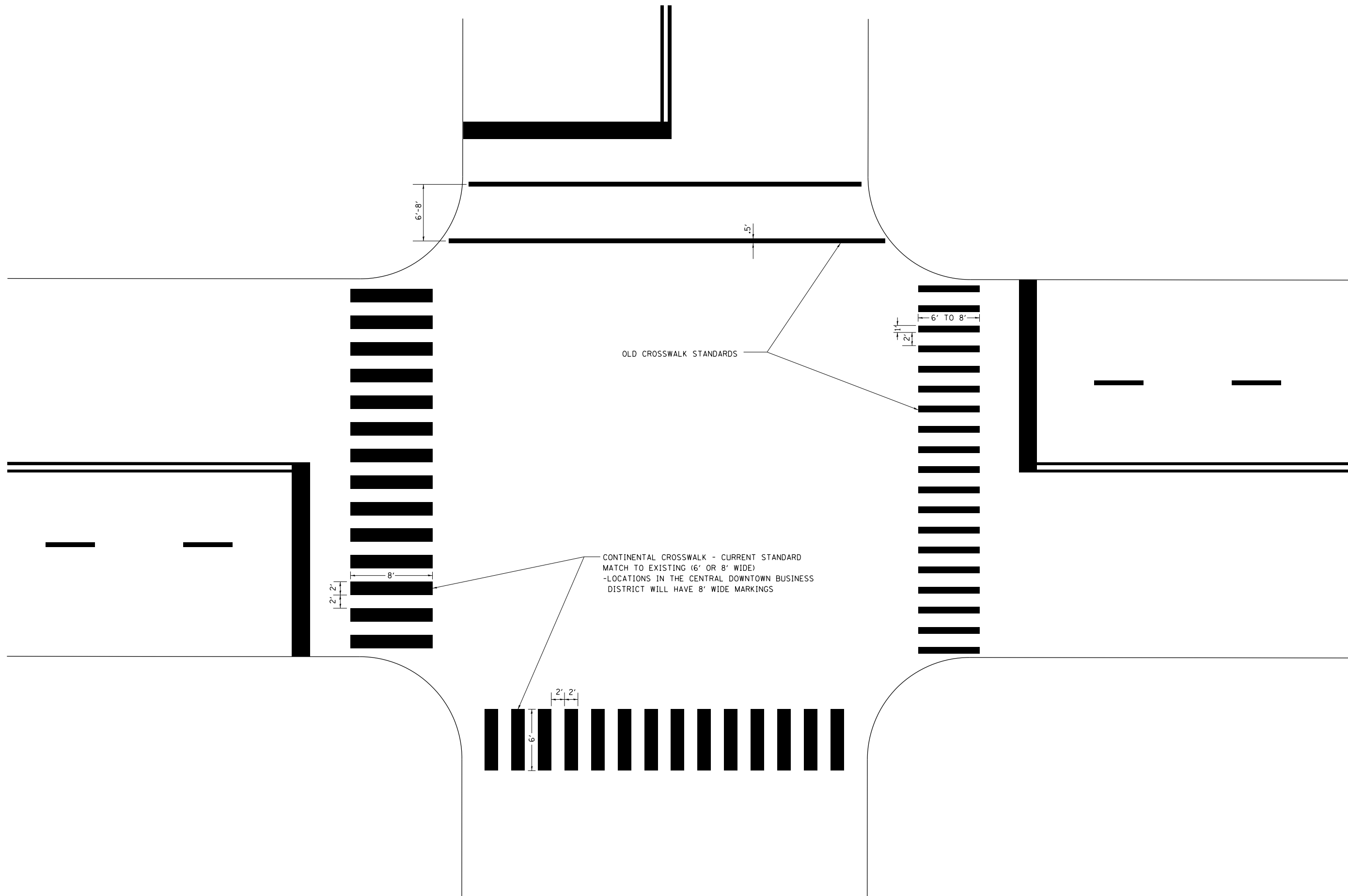
**NOTE:** ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

FILE NAME =	USER NAME = obreueh	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
ei:\pwork\pwork\obreueh\d0282900\Dist\std.dgn		DRAWN -	REVISED - K. ENG 01-12-12
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/11/2013	DATE -	REVISED -

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

<b>CITY OF CHICAGO</b>			
<b>TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	27
<b>TC-24</b>		<b>CONTRACT NO. 60R16</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



OLD CROSSWALK STANDARDS

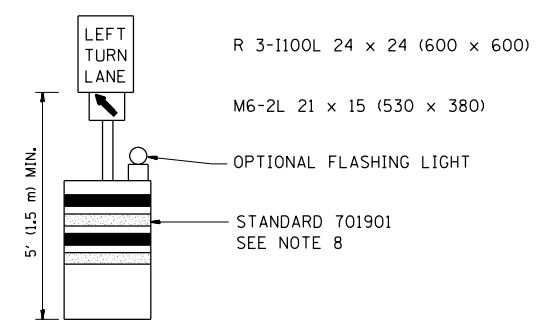
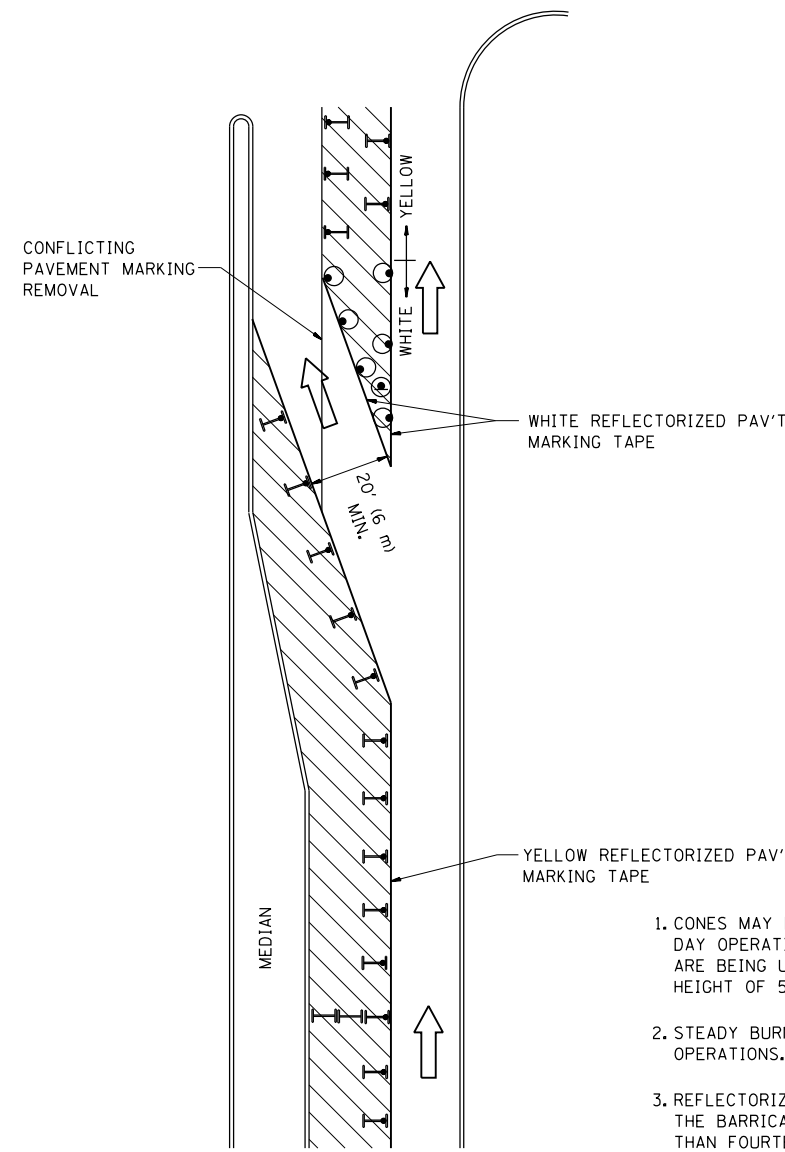
CONTINENTAL CROSSWALK - CURRENT STANDARD  
 MATCH TO EXISTING (6' OR 8' WIDE)  
 -LOCATIONS IN THE CENTRAL DOWNTOWN BUSINESS  
 DISTRICT WILL HAVE 8' WIDE MARKINGS

FILE NAME =	USER NAME = obreueh	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
c:\pwork\pwork\obreueh\d0282900\Dist3	td.dgn	DRAWN -	REVISED - K. ENG 01-12-12
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/11/2013	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CITY OF CHICAGO</b>			
<b>TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	28
<b>TC-24</b>		<b>CONTRACT NO. 60R16</b>		
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				









**GENERAL NOTES**

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

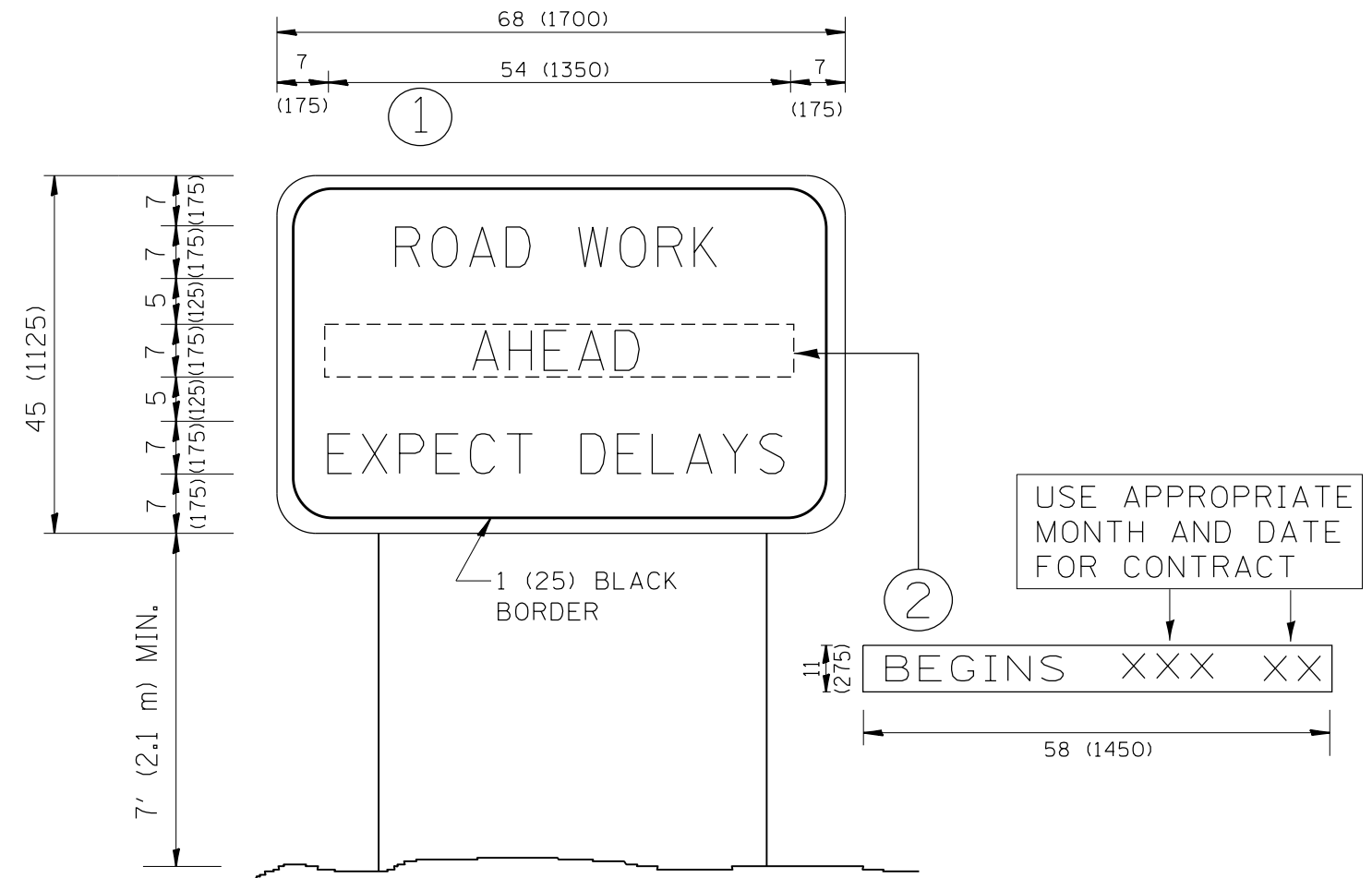
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = obreueh	REVISED -T, RAMMACHER 09-08-94	REVISED - R, BORO 09-14-09
et:\pw\work\p1dot\obreueh\d0282900\Dist\d.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 4/11/2013	REVISED -T, RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	29
TC-14			CONTRACT NO. 60R16	
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 = obreueh	DESIGNED -	REVISED - R. MIRS 09-15-97
et:\pw\work\p1dot\obreueh\d0282900\Dist\d.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	2011-089-R5	COOK	30	30
<b>TC-22</b>			<b>CONTRACT NO. 60R16</b>	
<small>FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT</small>				