

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F. A. U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	1
STA.		TO STA.		
FED. ROAD DIST. NO. []		ILLINOIS	FED. AID PROJECT M-4003(320)	

CONTRACT #61A45

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1708 (OKETO AVENUE)
FAU 1558 (87TH STREET) TO FAU 1537 (71ST STREET)
RESURFACING
SECTION NO.: 14-00064-00-RS
PROJECT NO.: M-4003(320)
VILLAGE of BRIDGEVIEW
COOK COUNTY
JOB NO. C-91-292-14

INDEX OF SHEETS

1. COVER SHEET, INDEX OF SHEETS & STATE STANDARDS
2. SUMMARY OF QUANTITIES & GENERAL NOTES
3. TYPICAL CROSS SECTIONS
- 4.-6. PAVEMENT PLAN
- 7.-9. STRIPING PLAN
- 10.-14. IDOT DISTRICT 1 STANDARD DETAILS

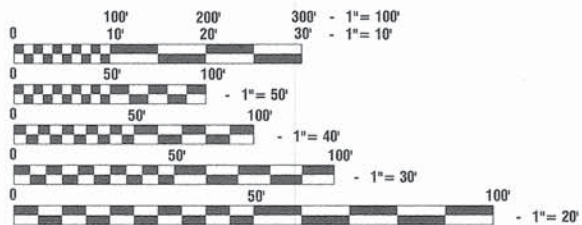
HIGHWAY STANDARDS

- | | |
|-----------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 424001-07 | CURB RAMPS FOR SIDEWALKS |
| 442201-03 | CLASS C AND D PATCHES |
| 606001-05 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701801-05 | LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE |
| 701901-03 | TRAFFIC CONTROL DEVICES |
| 780001-04 | TYPICAL PAVEMENT MARKINGS |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |
| 886006-01 | TYPICAL LAYOUTS FOR DETECTION LOOPS |

OKETO AVENUE

ADT=6,200 (2009)
=6,300 (2040)
DESIGN SPEED=25 MPH
POSTED SPEED LIMIT=20 MPH
DESIGN DESIGNATION=LOCAL STREET

SCALES
PLAN - 1"=50'
PROFILE HORIZ. - 1"=50'
PROFILE VERT. - 1"=5'
CROSS SECTIONS - 1"=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. L. I. E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 or 811

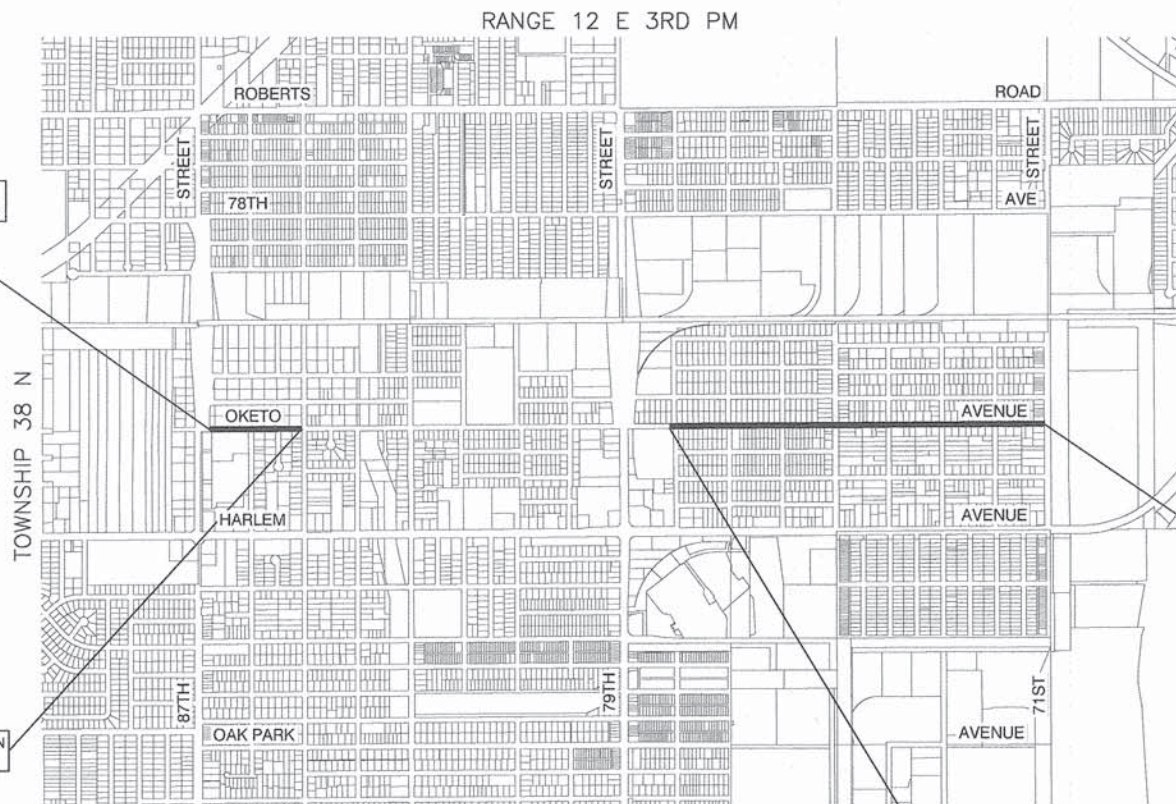
BEGIN IMPROVEMENT
OKETO AVENUE STA 11+51.40

BEGIN PROJECT OMISSION
STA 29+59.60

PROJECT LOCATED
IN VILLAGE OF
BRIDGEVIEW

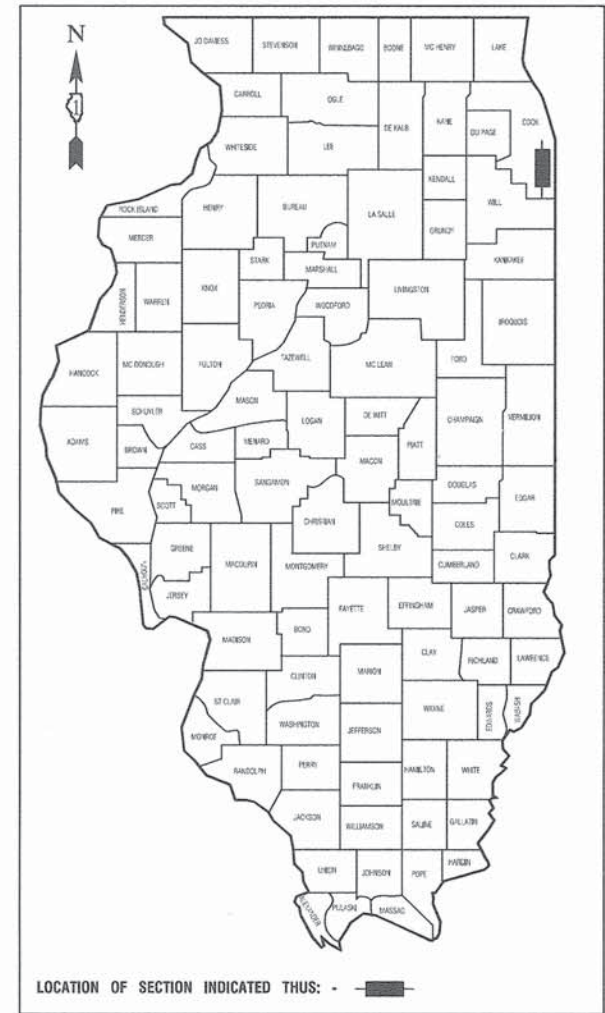
END IMPROVEMENT
OKETO AVENUE STA 115+80.67

END PROJECT OMISSION
STA 70+17.09



LOCATION MAP

NOT TO SCALE
GROSS LENGTH=10,429.27 FEET (1.98 MILES)
NET LENGTH=6,371.79 FEET (1.21 MILES)



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved: 3/20/2014
Shirley Ulla
President, Village of Bridgeview

Passed: APRIL 7, 2014
C. Holt *Christopher Holt*
District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: April 7, 2014
John Fortman
Deputy Director of Highways, Region 1 Engineer

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THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE
DIRECT SUPERVISION OF:
John K. Blum
3/19/2014



FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL P.E. 847-705-4021 SCHAUMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61A45

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	0005
	21101615	TOPSOIL, FURNISH AND PLACE, 4"	SQ YD	700	700
	25200200	SUPPLEMENTAL WATERING	UNIT	5	5
	28000510	INLET FILTERS	EACH	30	30
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10
	40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1200	1200
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	274	274
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1825	1825
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	115	115
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1170	1170
	42400800	DETECTABLE WARNINGS	SQ FT	312	312
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"	SQ YD	20955	20955
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	255	255
	44000600	SIDEWALK REMOVAL	SQ FT	1170	1170
	44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	30	30
	44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	250	250
	44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	250	250
	44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	600	600
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	27	27
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1
	60255500	MANHOLES TO BE ADJUSTED	EACH	5	5
	60260100	INLETS TO BE ADJUSTED	EACH	1	1
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1
	67100100	MOBILIZATION	L SUM	1	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1

* - INDICATES SPECIALTY ITEMS

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	0005
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2000	2000
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	670	670
	72000100	SIGN PANEL - TYPE 1	SQ FT	100	100
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	100	100
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1500	1500
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1075	1075
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	450	450
	Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	140	140
	Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	3200	3200
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	X2520700	SODDING, SPECIAL	SQ YD	700	700
	X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	14145	14145
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	29	29

COMMITMENTS

1. NO PAVEMENT PATCHING WILL BE PERMITTED AFTER FRIDAY AT 3:00PM OF EACH WEEK.

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
2. UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTORS USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. SCHEDULES INCLUDED IN THE PLANS HAVE BEEN PREPARED FROM FIELD NOTES. EXACT LOCATIONS FOR PATCHING SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
6. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES BY LIMITING CURB AND GUTTER REPAIR TO ONE-HALF THE DRIVEWAY WIDTH AT ONE TIME AS WELL AS TEMPORARY AGGREGATE. THE COST OF TEMPORARY AGGREGATE SHALL BE CONSIDERED INCLUDED IN THE COST OF DRIVEWAY ITEMS.
7. THE REMOVAL AND/OR REPLACEMENT OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ECT. SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS ITEMS BEING REMOVED.
8. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR AT THEIR EXPENSE.
9. EROSION CONTROL ITEMS HAVE BEEN ADDED FOR USE AT THE DIRECTION OF THE ENGINEER.

FILE NAME = 10193-QUAN-01 - IDOT P01

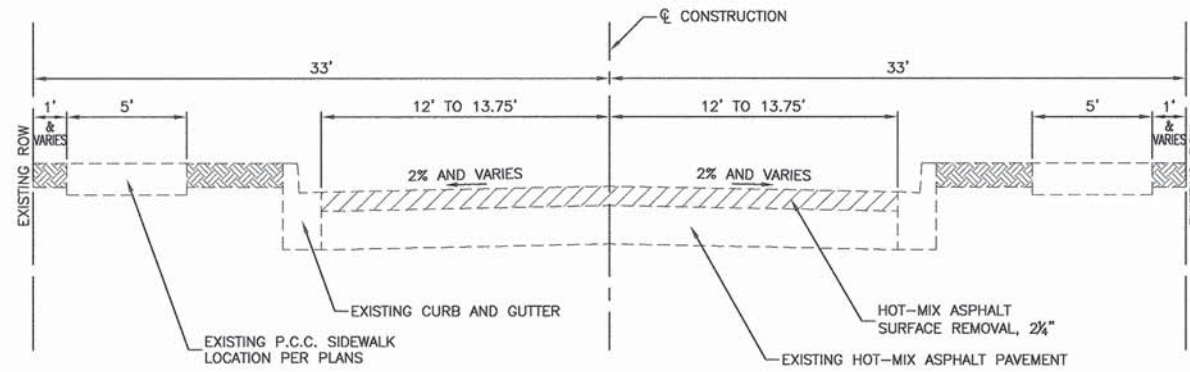
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PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 01-16-14	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OKETO AVENUE RESURFACING
87TH STREET TO 71ST STREET
SUMMARY OF QUANTITIES AND GENERAL NOTES

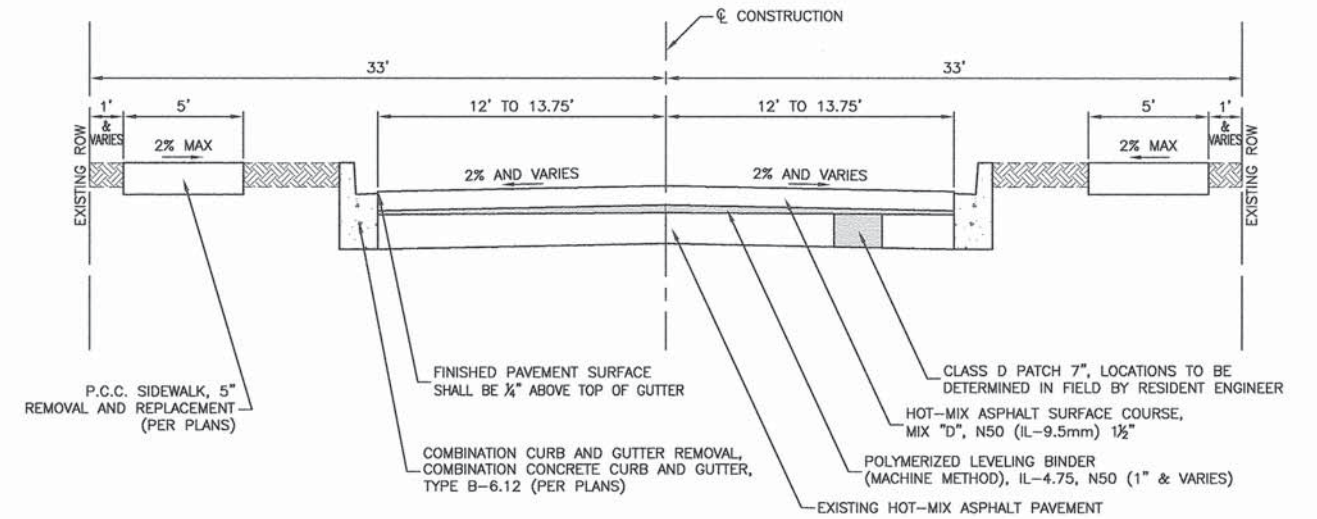
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	2
CONTRACT NO. 61A45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				

SCALE: NA SHEET NO. 2 OF 14 SHEETS STA. TO STA.



EXISTING TYPICAL SECTION

OKETO AVENUE
 87TH STREET TO 71ST STREET
 STA 11+51.40 TO STA 115+80.67
 (OMISSION 84TH STREET TO 78TH STREET,
 STA 29+59.60 TO STA 70+17.09)



PROPOSED TYPICAL SECTION

OKETO AVENUE
 87TH STREET TO 71ST STREET
 STA 11+51.40 TO STA 115+80.67
 (OMISSION 84TH STREET TO 78TH STREET,
 STA 29+59.60 TO STA 70+17.09)

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
RESURFACING		
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50(IL-9.5mm), 1 1/2"	4% @ 50 Gyr.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"	3.5% @ 50 Gyr.	QCP
DRIVEWAYS		
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 1 3/4"	4% @ 50 Gyr.	QCP
HOT MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0mm); 2 1/4"	4% @ 50 Gyr.	QCP
PATCHING		
CLASS D PATCHES, TYPE I, II, III, IV (HMA BINDER IL-19.0mm), 7" (IN 3 LIFTS)	4% @ 70 Gyr.	QCP
HOT-MIX ASPHALT - CURB PATCHING		
HOT MIX ASPHALT PATCH HMA BINDER; IL-19.0mm, 7" (IN 3 LIFTS)	4% @ 70 Gyr.	QCP

QMP OPTIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP), PAY FOR PERFORMANCE (PFP)

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. 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.
3. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
4. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
5. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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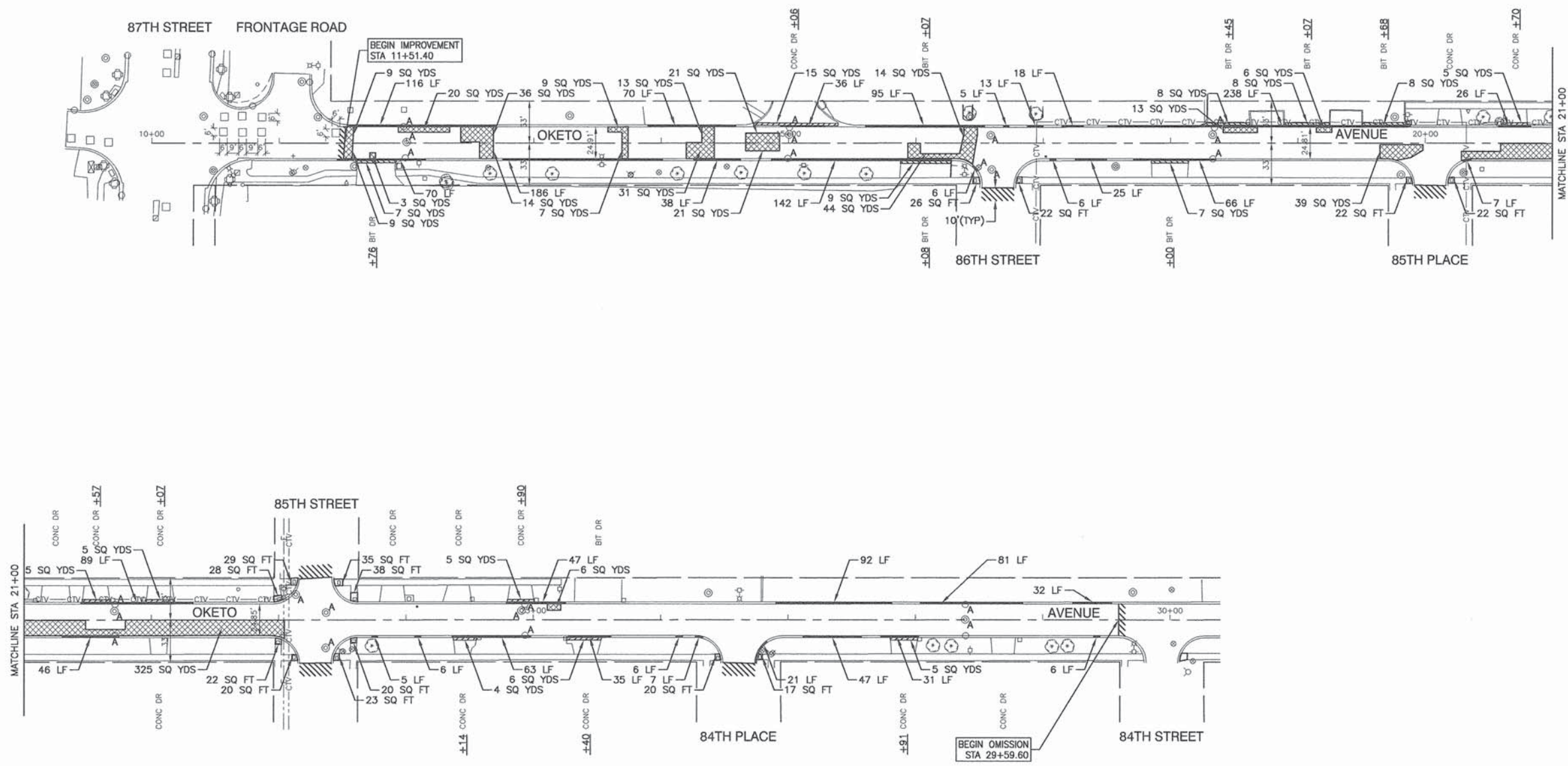
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OKETO AVENUE RESURFACING
 87TH STREET TO 71ST STREET
 TYPICAL CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	3
CONTRACT NO. 61A45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				









SCALE: NA SHEET NO. 3 OF 14 SHEETS STA. TO STA.



NOTES:

1. DETECTABLE WARNINGS ARE TO BE INSTALLED AT LOCATIONS OF SIDEWALK REMOVAL AND REPLACEMENT. CONTRACTOR TO POSITION AND PLACE DETECTABLE WARNINGS AT THE DIRECTION OF THE ENGINEER IN ACCORDANCE WITH ADA REQUIREMENTS.
2. LIMIT OF CONSTRUCTION ON ALL SIDE STREETS IS THE RADIUS RETURN PLUS 10' BUTT JOINT OR ROW AS NOTED.
3. ACCESS TO ALL DRIVEWAYS SHALL BE MAINTAINED UPON COMPLETION OF EACH WORKDAY. RESIDENTS SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF WHEN DRIVEWAY REPLACEMENT WILL TAKE PLACE.

LEGEND

-  CLASS D PATCHES, 7"
-  HMA DRIVEWAY REMOVAL AND REPLACEMENT
-  CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT
-  CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
-  BUTT JOINTS
-  CURB & GUTTER REMOVAL AND REPLACEMENT
-  CATCH BASIN TO BE ADJUSTED, MANHOLE TO BE ADJUSTED, VALVE BOX TO BE ADJUSTED, FRAME & LID TO BE ADJUSTED (SPECIAL)
-  DETECTABLE WARNINGS

FILE NAME = 10193-PLAN-01 - IDOT P01

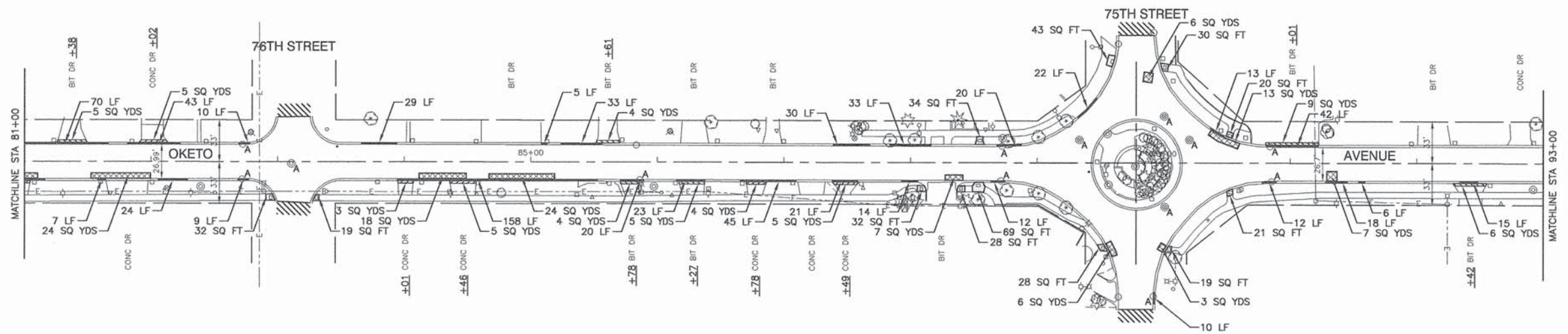
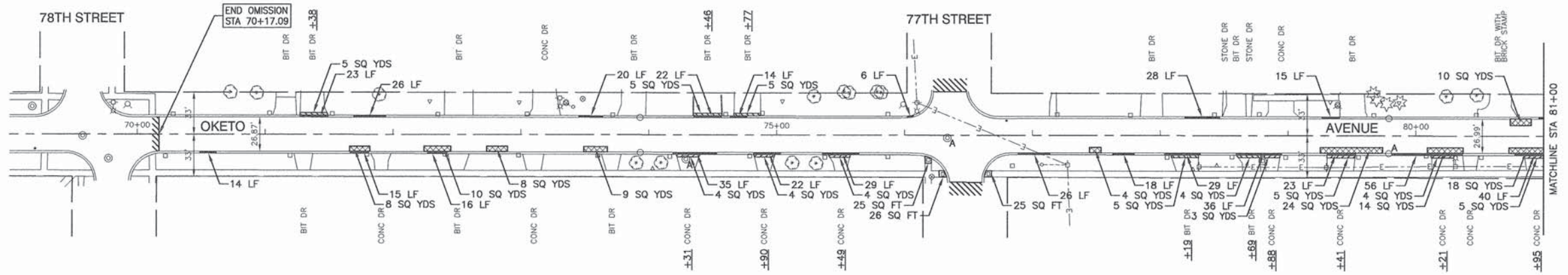
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PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 01-16-14	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OKETO AVENUE RESURFACING
87TH STREET TO 71ST STREET
PAVEMENT PLAN**

SCALE: 1"=50' SHEET NO. 4 OF 14 SHEETS STA. 11+51.40 TO STA. 33+00









F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	4
CONTRACT NO. 61A45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT. M-4003(320)				



NOTES:

1. DETECTABLE WARNINGS ARE TO BE INSTALLED AT LOCATIONS OF SIDEWALK REMOVAL AND REPLACEMENT. CONTRACTOR TO POSITION AND PLACE DETECTABLE WARNINGS AT THE DIRECTION OF THE ENGINEER IN ACCORDANCE WITH ADA REQUIREMENTS.
2. LIMIT OF CONSTRUCTION ON ALL SIDE STREETS IS THE RADIUS RETURN PLUS 10' BUTT JOINT OR ROW AS NOTED.
3. ACCESS TO ALL DRIVEWAYS SHALL BE MAINTAINED UPON COMPLETION OF EACH WORKDAY. RESIDENTS SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF WHEN DRIVEWAY REPLACEMENT WILL TAKE PLACE.

LEGEND

-  CLASS D PATCHES, 7"
-  HMA DRIVEWAY REMOVAL AND REPLACEMENT
-  CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT
-  CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
-  BUTT JOINTS
-  CURB REMOVAL
-  CATCH BASIN TO BE ADJUSTED, MANHOLE TO BE ADJUSTED, VALVE BOX TO BE ADJUSTED, FRAME & LID TO BE ADJUSTED (SPECIAL)
-  DETECTABLE WARNINGS

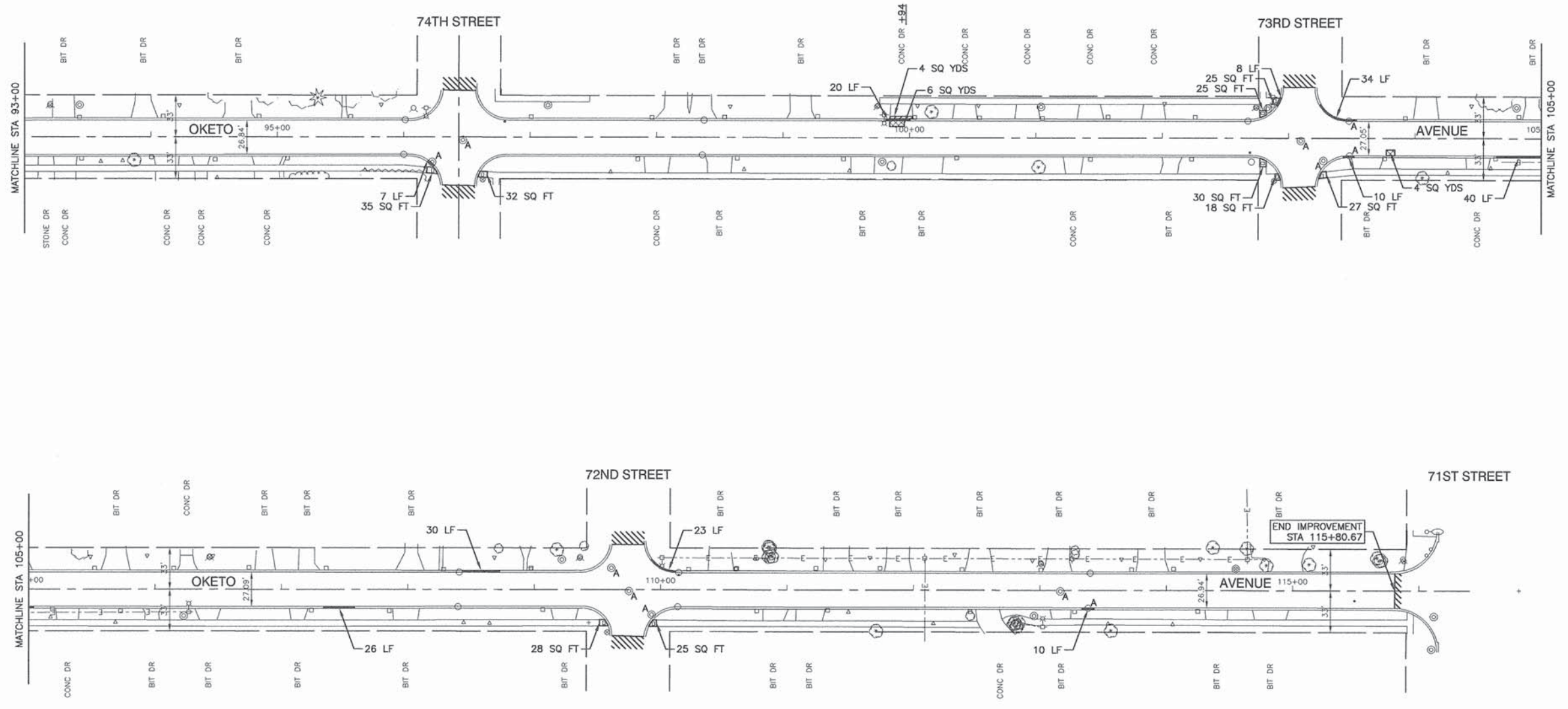
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OKETO AVENUE RESURFACING
87TH STREET TO 71ST STREET
PAVEMENT PLAN
SCALE: 1"=50' SHEET NO. 5 OF 14 SHEETS STA. 57+00 TO STA. 81+00









F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	5
CONTRACT NO. 61A45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				



NOTES:

1. DETECTABLE WARNINGS ARE TO BE INSTALLED AT LOCATIONS OF SIDEWALK REMOVAL AND REPLACEMENT. CONTRACTOR TO POSITION AND PLACE DETECTABLE WARNINGS AT THE DIRECTION OF THE ENGINEER IN ACCORDANCE WITH ADA REQUIREMENTS.
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LEGEND

-  CLASS D PATCHES, 7"
-  HMA DRIVEWAY REMOVAL AND REPLACEMENT
-  CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT
-  CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
-  BUTT JOINTS
-  CURB REMOVAL
-  * CATCH BASIN TO BE ADJUSTED, MANHOLE TO BE ADJUSTED, VALVE BOX TO BE ADJUSTED, FRAME & LID TO BE ADJUSTED (SPECIAL)
-  □ DETECTABLE WARNINGS

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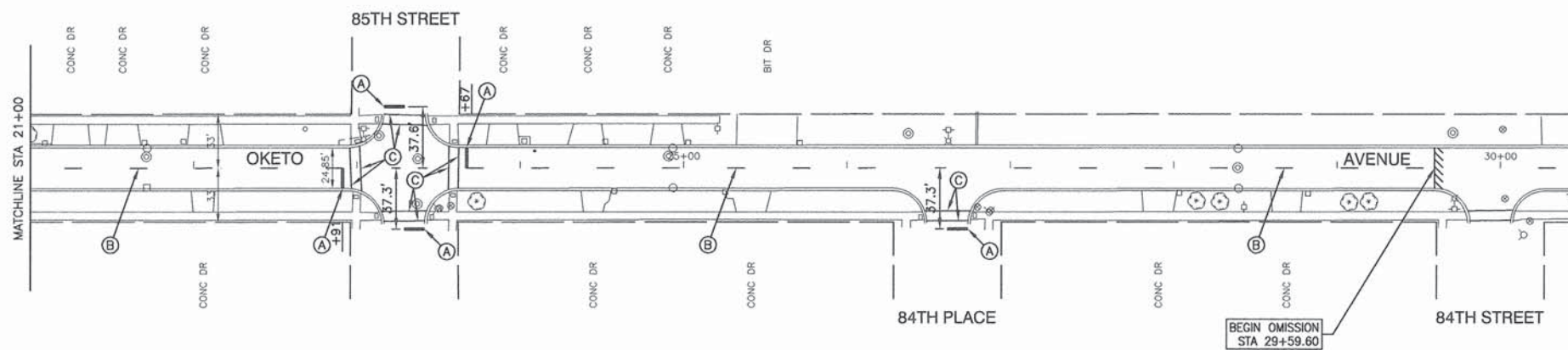
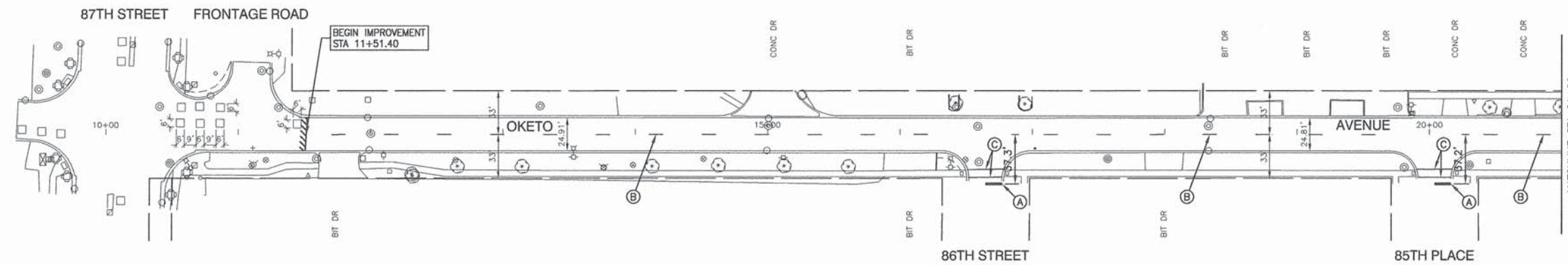
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PLOT DATE = 01-16-14	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OKETO AVENUE RESURFACING
87TH STREET TO 71ST STREET
PAVEMENT PLAN

SCALE: 1"=50' SHEET NO. 6 OF 14 SHEETS STA. 81+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	6
CONTRACT NO. 61A45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				



LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING
WHITE, 24"
- (B) THERMOPLASTIC PAVEMENT MARKING
YELLOW, LINE, 4", SKIP DASH (10' LINE-30' SPACE)
- (C) THERMOPLASTIC PAVEMENT MARKING
WHITE, LINE, 6"

FILE NAME = 10193-PLAN-01 - PVMK01

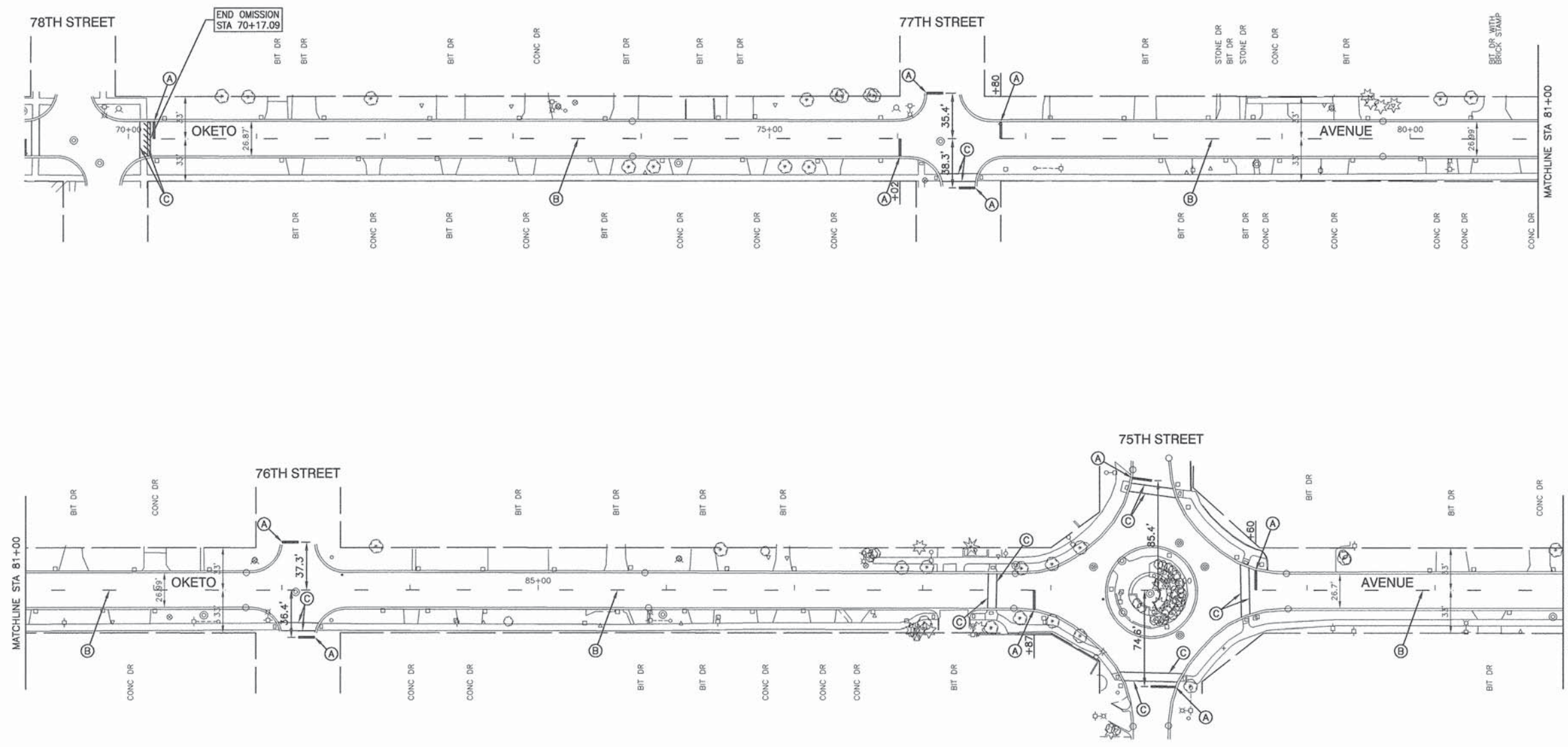
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PLOT SCALE =	DRAWN -- RG	REVISED --
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OKETO AVENUE RESURFACING
87TH STREET TO 71ST STREET
STRIPING PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	7
CONTRACT NO. 61A45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				

SCALE: 1"=50' SHEET NO. 7 OF 14 SHEETS STA. 11+51.40 TO STA. 33+00



- LEGEND**
- (A) THERMOPLASTIC PAVEMENT MARKING
WHITE, 24"
 - (B) THERMOPLASTIC PAVEMENT MARKING
YELLOW, LINE, 4", SKIP DASH (10' LINE-30' SPACE)
 - (C) THERMOPLASTIC PAVEMENT MARKING
WHITE, LINE, 6"

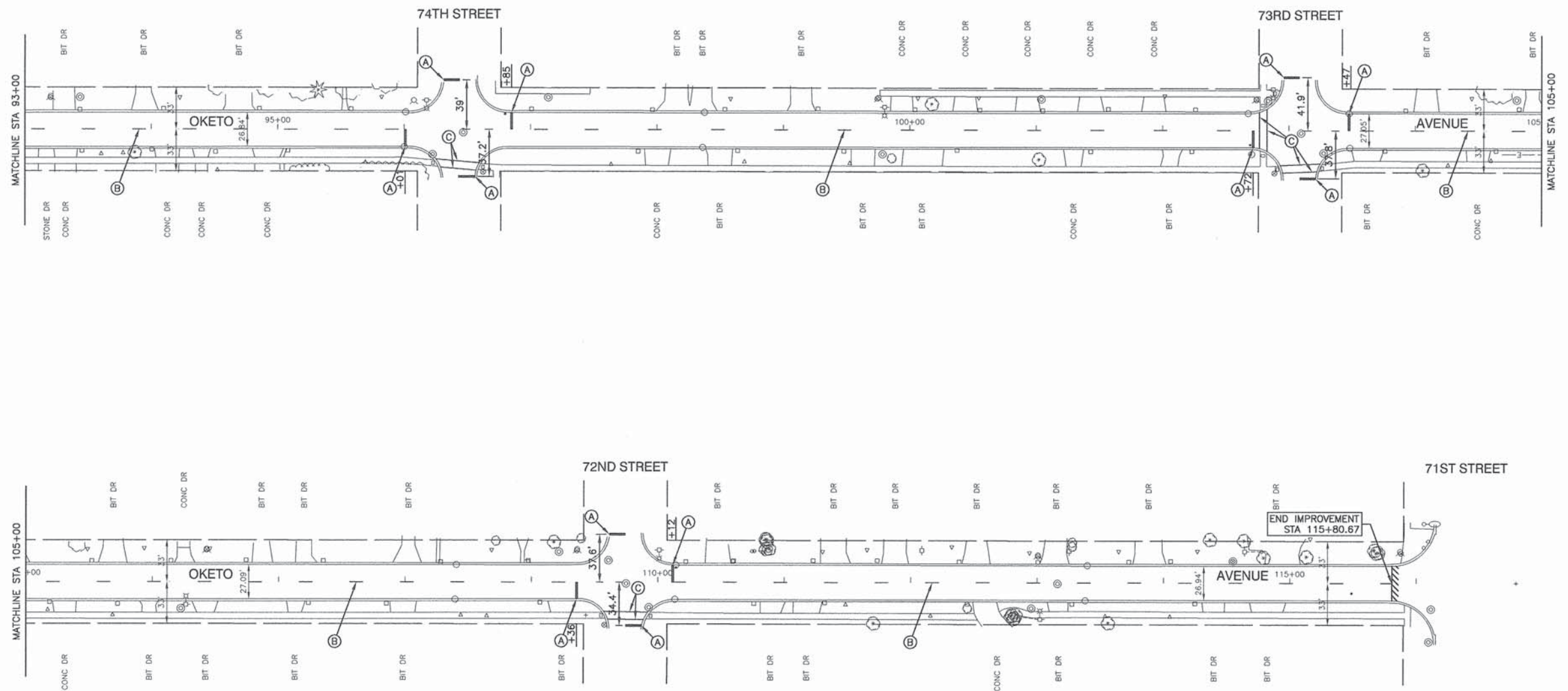
FILE NAME = 10193-PLAN-01 - PVMK03
 USER NAME =
 PLOT SCALE =
 PLOT DATE = 01-16-14

DESIGNED -- JH	REVISED --
CHECKED -- PKB	REVISED --
DRAWN -- RG	REVISED --
CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OKETO AVENUE RESURFACING
 87TH STREET TO 71ST STREET
 STRIPING PLAN
 SCALE: 1"=50'
 SHEET NO. 8 OF 14 SHEETS
 STA. 57+00 TO STA. 81+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	8
CONTRACT NO. 61A45				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003(320)		



LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING
WHITE, 24"
- (B) THERMOPLASTIC PAVEMENT MARKING
YELLOW, LINE, 4", SKIP DASH (10' LINE-30' SPACE)
- (C) THERMOPLASTIC PAVEMENT MARKING
WHITE, LINE, 6"

FILE NAME = 10193-PLAN-01 - PVMK04
 PLOT SCALE =
 PLOT DATE = 01-16-14

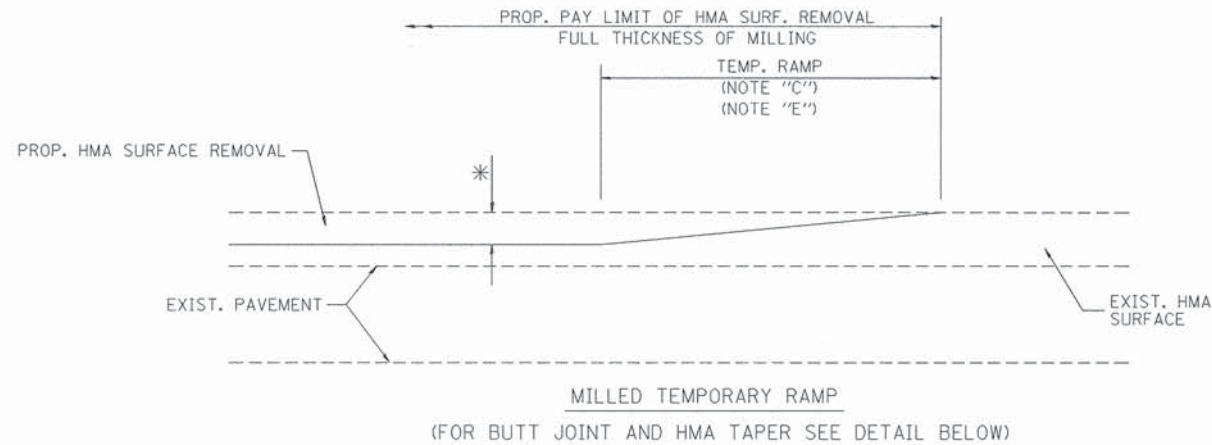
USER NAME =	DESIGNED -- JH	REVISED --
	CHECKED -- PKB	REVISED --
	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

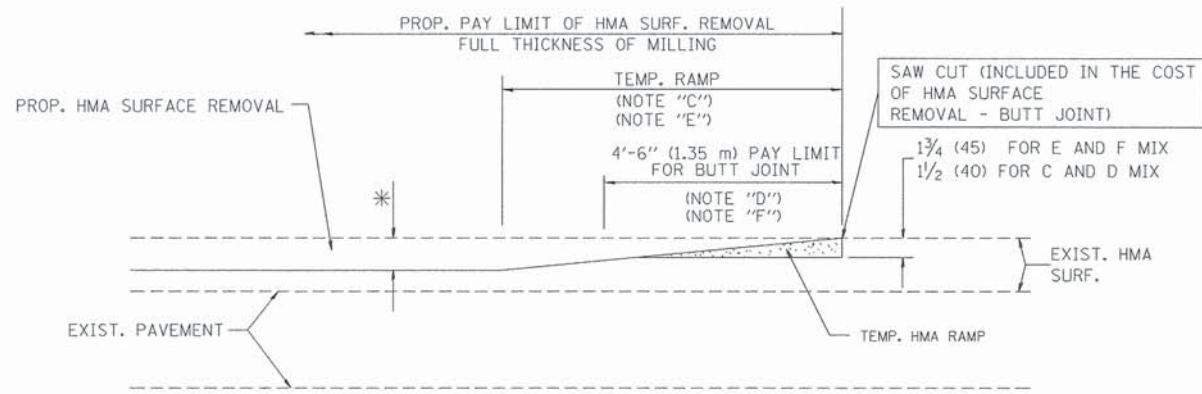
**OKETO AVENUE RESURFACING
87TH STREET TO 71ST STREET
STRIPING PLAN**

SCALE: 1"=50' SHEET NO. 9 OF 14 SHEETS STA. 81+00 TO STA. 105+00

F.A.U. RTE. 1708	SECTION 14-00064-00-RS	COUNTY COOK	TOTAL SHEETS 14	SHEET NO. 9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				

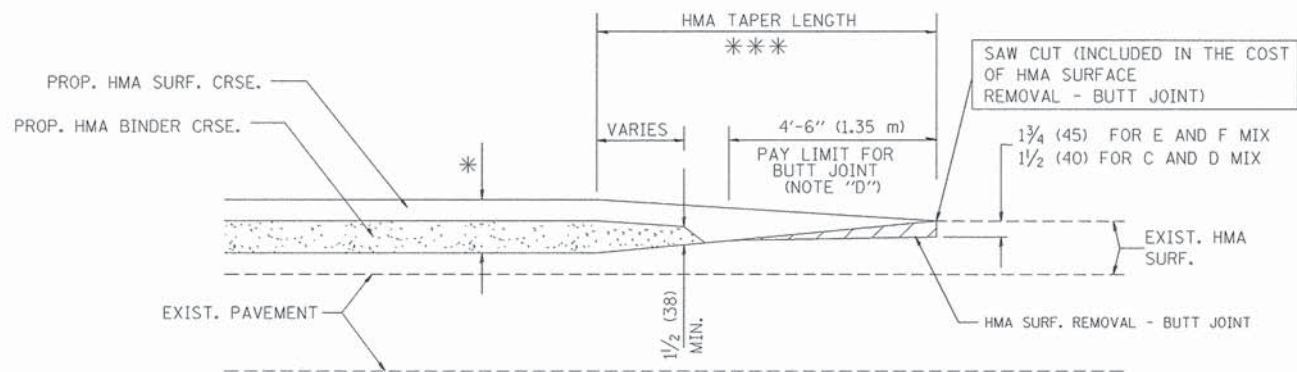


OPTION 1

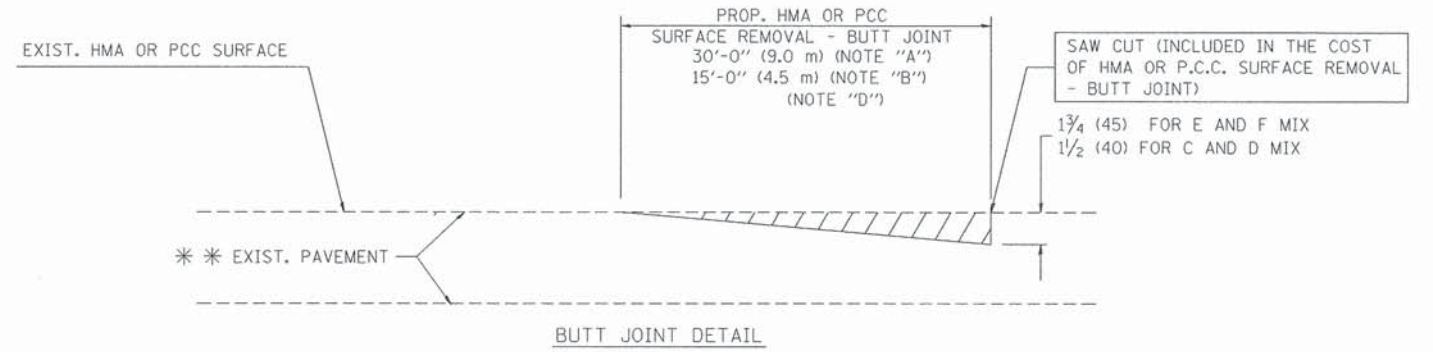


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

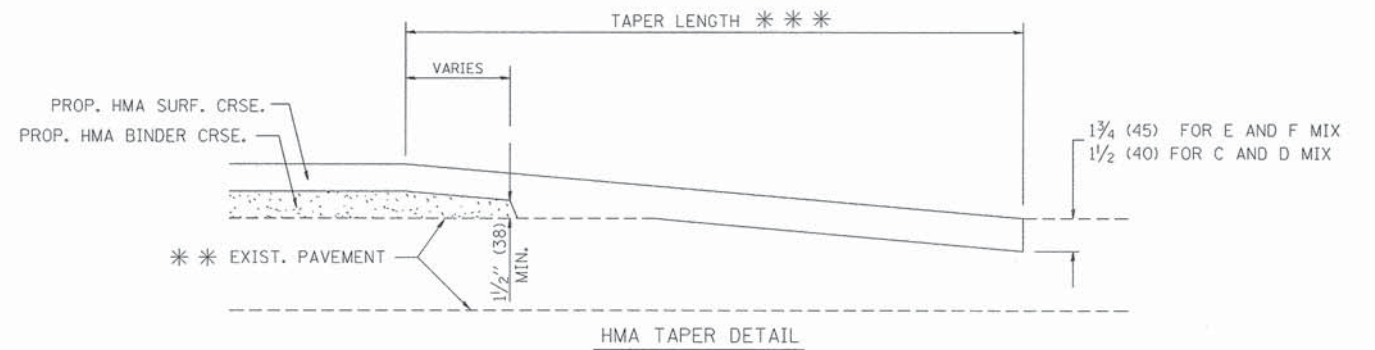
OPTION 2
TYPICAL TEMPORARY RAMP



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 = 10199-DTLS-01-8092 - BD-32

USER NAME = goglianobt

DESIGNED -- M. DE YONG

REVISED -- R. SHAH 10-25-94

CHECKED --

CHECKED --

REVISED -- A. ABBAS 03-21-97

PLOT SCALE = 50.0000' / IN.

DRAWN --

REVISED -- M. GOMEZ 04-06-01

PLOT DATE = 1/4/2008

CHECKED -- 06-13-90

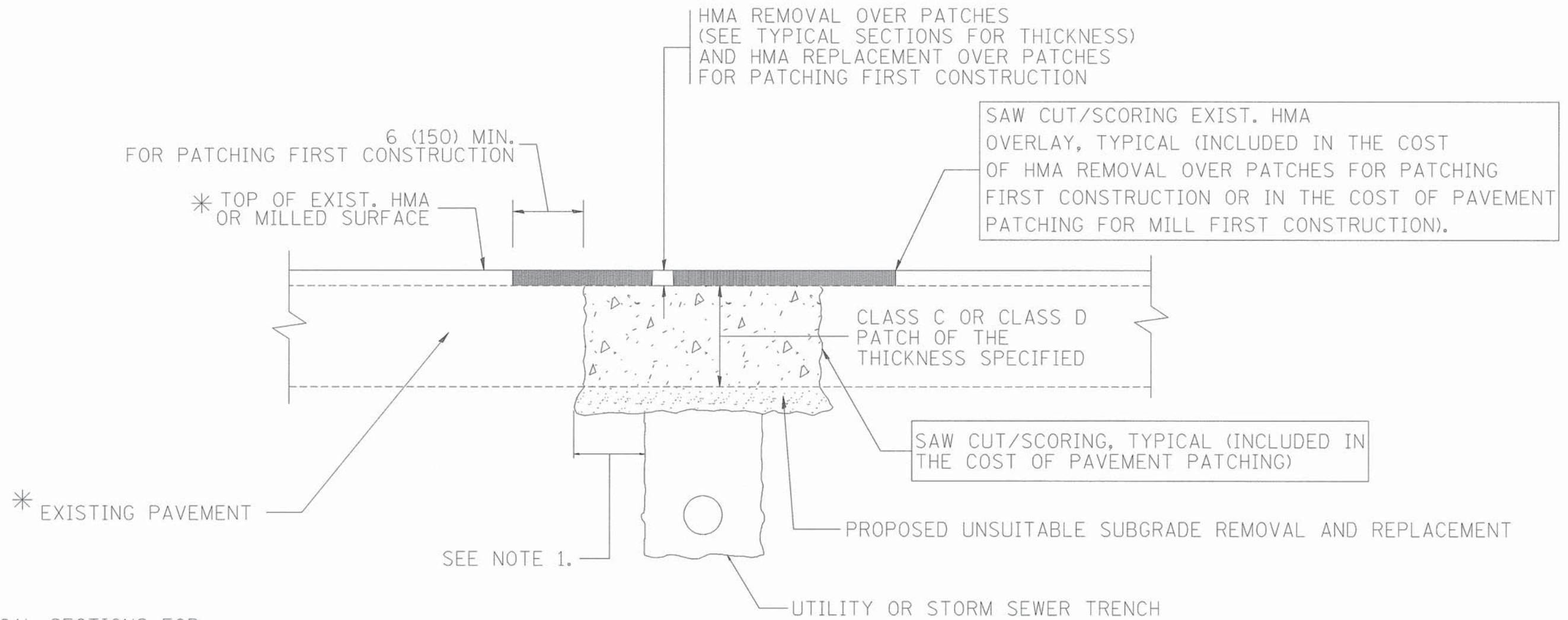
REVISED -- R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: SHEET NO. 10 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	10
BD400-05 BD32			CONTRACT NO. 61A45	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				



* 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)

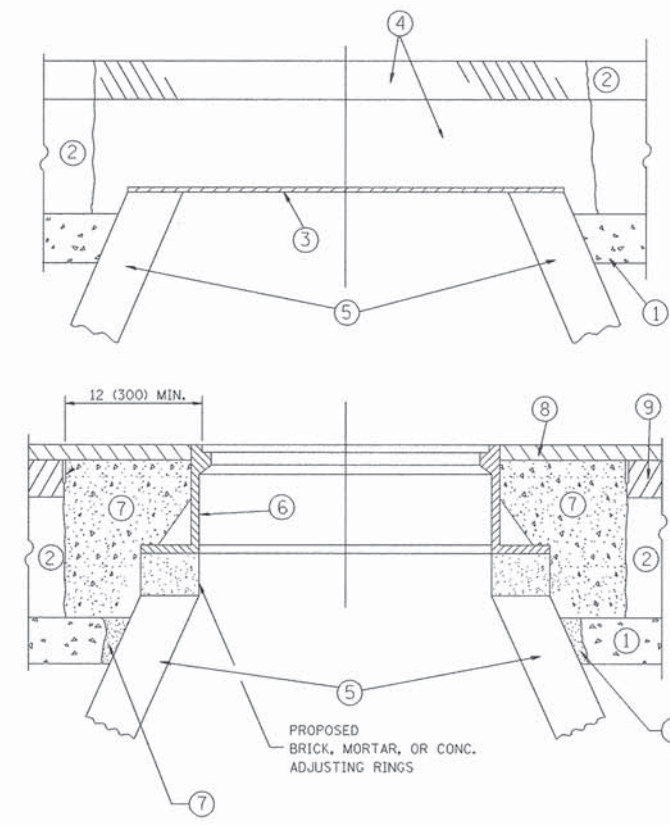
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = 10199-DTLS-02-BD22 - BD-22	USER NAME = bouerdj	DESIGNED -- R. SHAH	REVISED -- A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED --	REVISED -- R. BORO 01-01-07			1708	14-00064-00-RS	COOK	14	11	
		DRAWN --	REVISED -- R. BORO 09-04-07			BD400-04 (BD-22)		CONTRACT NO. 61A45			
		CHECKED -- 10-25-94	REVISED -- K. ENG 10-27-08			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)					
SCALE:						SHEET NO. 11 OF 14 SHEETS		STA.		TO STA.	



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.

CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS 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.

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: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

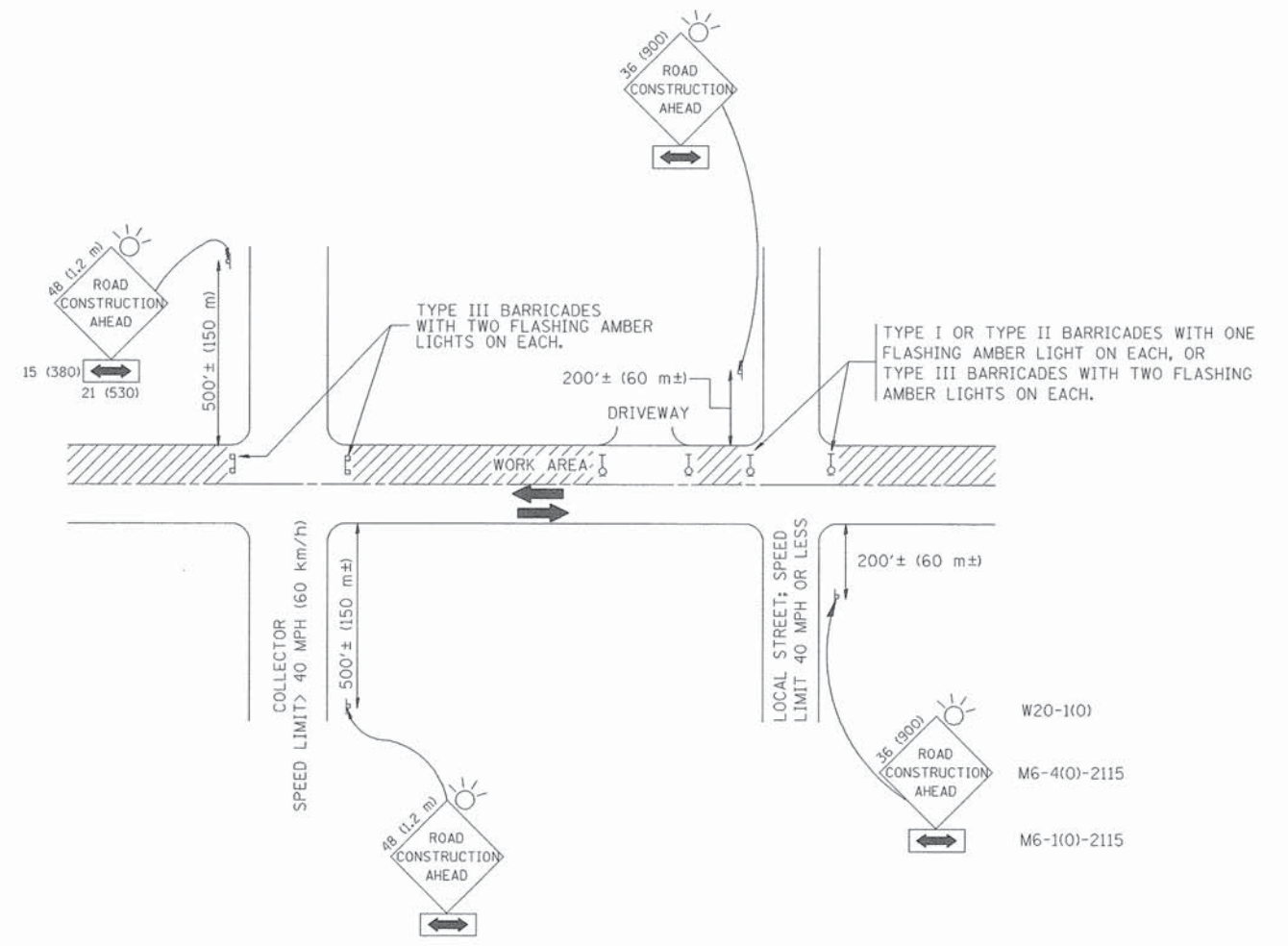
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = 10193-DTIS-03-8008 - BD-08	USER NAME = goglionobt	DESIGNED -- R. SHAH	REVISED --A. ABBAS 03-21-97
		CHECKED --	REVISED --R. WIEDEMAN 05-14-04
	PLOT SCALE = 58.0000 ' / IN.	DRAWN --	REVISED --R. BORO 01-01-07
	PLOT DATE = 1/4/2008	CHECKED -- 10-25-94	REVISED --R. BORO 03-09-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1708	14-00064-00-RS	COOK	14	12
SCALE:		SHEET NO. 12 OF 14 SHEETS		STA. TO STA.		

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003(320)
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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.

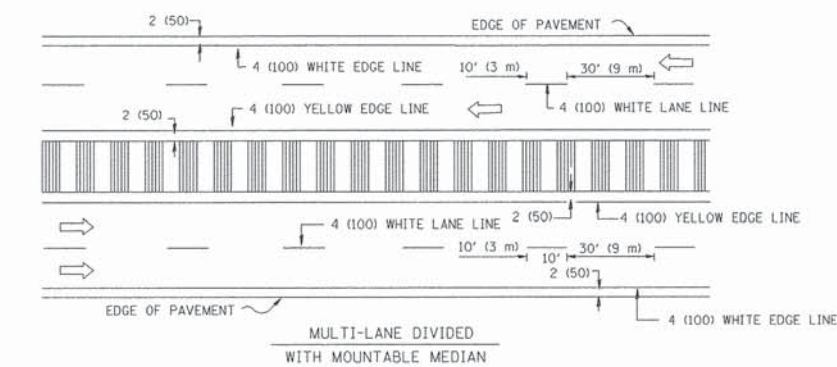
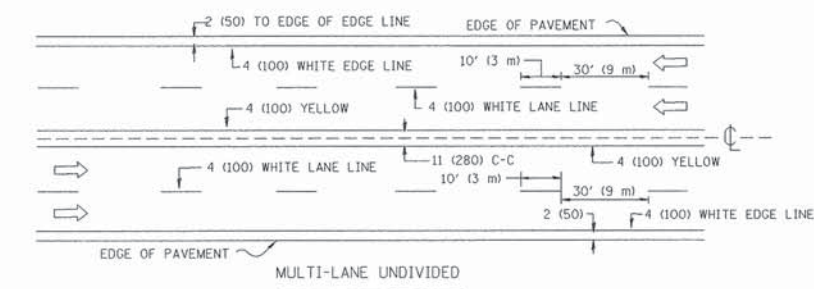
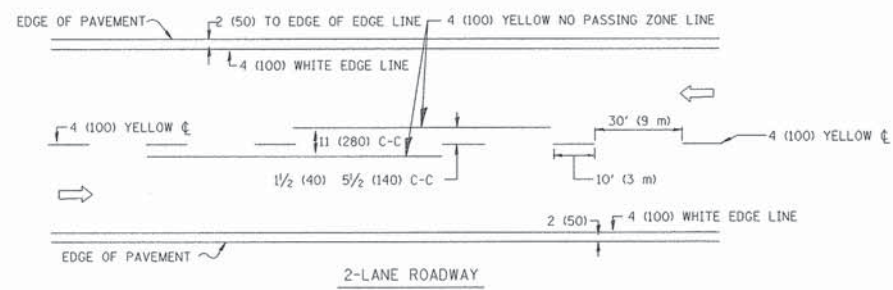
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		CHECKED --	REVISED -- A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	DRAWN --	REVISED -- A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	CHECKED -- 06-89	REVISED -- T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

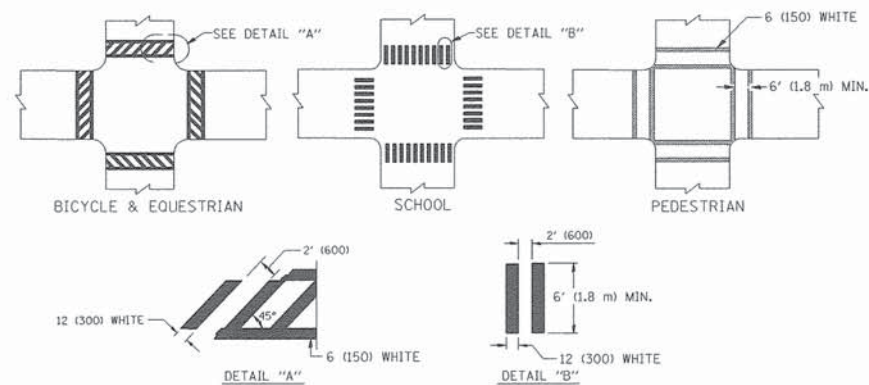
SCALE: SHEET NO. 13 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1708	14-00064-00-RS	COOK	14	13
TC-10			CONTRACT NO. 61A45	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(320)				

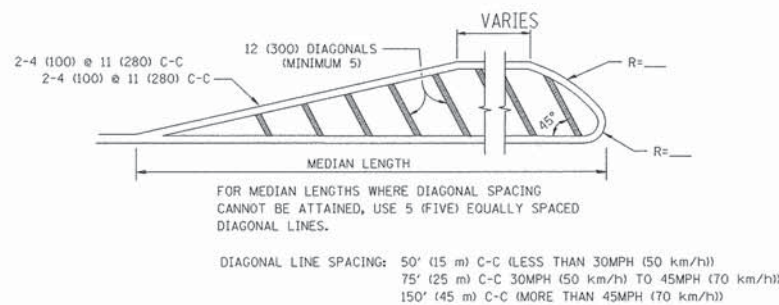
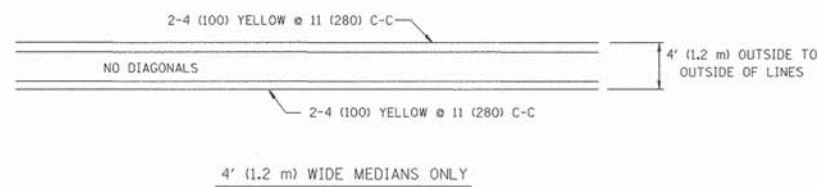


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

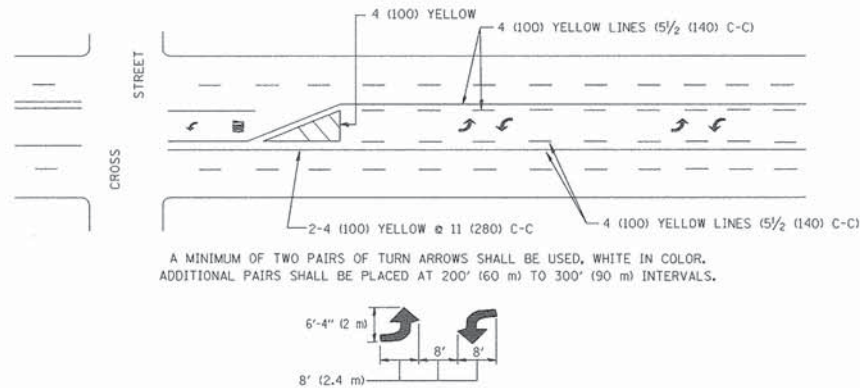
TYPICAL LANE AND EDGE LINE MARKING



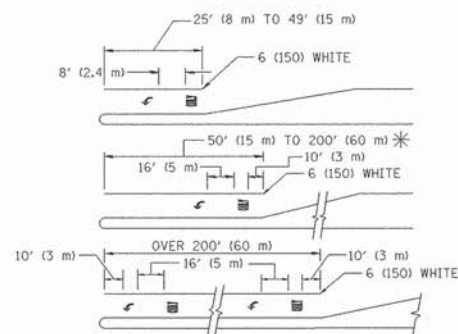
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE



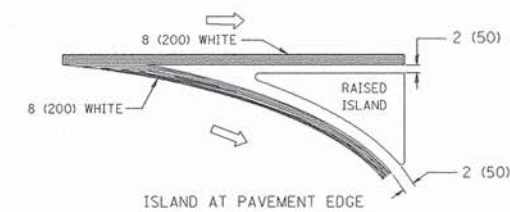
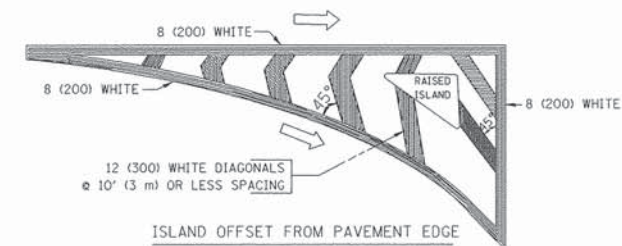
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' 6" (4.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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