STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.U. ROUTE 3508: COLFAX STREET U.S. 14 TO QUENTIN ROAD **SECTION: (88 & 88A) RS-3** RESURFACING

COOK COUNTY

C-91-537-09

THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF PALATINE

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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R 10 E

PALATINE TOW/NSHIP

GROSS AND NET LENGTH OF IMPROVEMENT = 3,453 FT. = 0.654 MILE

STA. 9 + 55 IMPROVEMENT ENDS STA. 44 + 08

IMPROVEMENT BEGINS

TRAFFIC DATA: 2007 ADT = 23,900POSTED SPEED LIMIT = 40 - 45 MPH

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

(88 & 88A) RS-3

D-91-537-09

соок 16 CONTRACT NO. 60G81

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT ENGINEER ROBERT BORO (847) 705-4178 PROJECT MANAGER KEN ENG

CONTRACT NO. 60G81



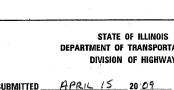












LOCATION OF SECTION INDICATED THUS: -

INDEX OF SHEETS

STATE STANDARDS

SHEET NO.	DESCRIPTION		STANDARD NO.	DESCRIPTION
		-		
1	TITLE SHEET		442201 - 03	CLASS C AND D PATCHES
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.		606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTE
3 4	SUMMARY OF QUANTITIES EXISTING AND PROPOSED TYPICAL SECTIONS		701301- <i>0</i> 3	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
			701501 <i>-05</i>	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
5 - 7 8	ROADWAY AND PAVEMENT MARKING PLANS DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)	1 (701901- <i>0</i> 1	TRAFFIC CONTROL DEVICES
9	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)			
10	BUTT JOINT AND HMA TAPER DETAILS (BD-32)			
11	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)			
12	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)			
13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)			
14	PAVEMENT MARKING LETTERS AND SYBOLS FOR TRAFFIC STAGING (TO	C-16)		
15	ARTERIAL ROAD INFORMATION SIGN (TC-22)			
16	DISTRIC 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY FO	R ROAD	WAY RESURFACING (TS	5-07)

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO HEIGHTS.

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

THE RESIDENT ENGINEER SHALL CONTACT MS. WALLY CZARNY, AREA TRAFFIC FIELD ENGINEER, AT (773) 685-4342 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H)

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

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

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

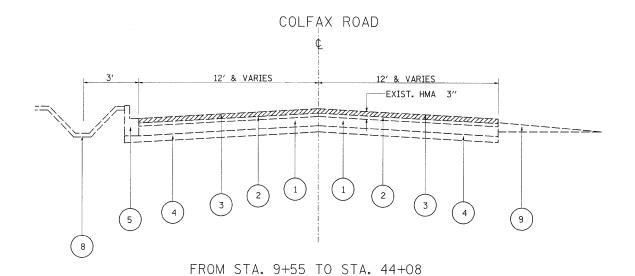
DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

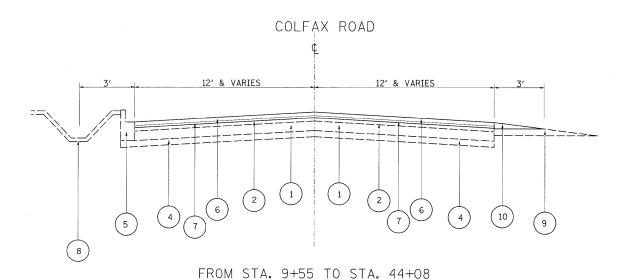
PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.

FILE NAME =	USER NAME = hamdanah	DESIGNED -	REVISED -
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	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -
·	PLOT DATE = 4/22/2009	DATE -	REVISED -
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· ·	SUMMARY OF QUANTITIES	T	100%.STATE							1	SUMMARY	OF QUANTITIES	<u> </u>	1001.STATE				<u> </u>	1 1	T
DE NO	ITEM	UNIT	TOTAL QUANTITIES	1000						CODE NO		ITEM	UNIT	QUANTITIES	1000					
201006	GRADING AND SHAPING SHOULDERS	UNIT	42	42						x 78000600	i .	PAVEMENT MARKING	FOOT	99	99					
600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	. 10	10						V 78000CE0	- LINE 12"	DAVENENT MARKING	FOOT	97	97		r			
600300	AGGREGATE (PRIME COAT)	TON	47	47		-				¥ 78000650	- LINE 24"	PAVEMENT MARKING	1	3,	31					
600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3.5	3.5						¥ 78100100		TIVE PAVEMENT MARKER	EACH	85	85					
600895	CONSTRUCTING TEST STRIP	EACH	1	1					÷	78300200	REMOVAL	TIVE PAVEMENT MARKER	EACH	60	60					
600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	113	113				:		* 88600600	DETECTOR LOOP		FOOT	144	144	, 1				
601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	99	99		ı				X0322256 X4067107	POLYMERIZED LE	ORMATION SIGNING EVELING BINDER (MACHINE	SQ FT TON	154. 2 458	154. 2 458					
503340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	977	977							METHOD), IL-4	4.75, N5O			:					
000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	11632	11632																
02212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	588	588		·							: .							
01753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	233	233									:							
01757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	175	175																
01759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	175	175									:				. •			
102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	417	417							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	en e				1 1				
300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5	5			÷													-
00400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3		1														
.00100	MOBILIZATION	L SUM	1	1		, c				* .									1	
.02620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1																
02635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	. 1												No. of Association				
300100	SHORT-TERM PAVEMENT MARKING	FOOT	1009	1009																
300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	109.2	109. 2																
300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10682	10682								* Specially I tems								
300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	420	420																
300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	99	99										, s						
00280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT SQ FT	97	97												Transport				
00100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS THERMOPLASTIC PAVEMENT MARKING		109.2	109. 2																
00200	THERMOPLASTIC PAVEMENT MARKING - LINE 4" THERMOPLASTIC PAVEMENT MARKING	F00T	10682	420												to a manufacture and care				
00400	- LINE 6"		720	720																
NAME =		SIGNED -		REVISED REVISED	10 · ·			•	TATE OF	ILLINOIS			OLFAX ROAD TO QUENTIN			F.A.U RTE.	SECT			TOTAL SI SHEETS
OKY WILL WIL		ECKED ~		REVISED	-					TRANSPORTA	ATION		IO QUENTIN ARY OF QUAN			3508	(88 & 8	8A) RS-3	CONTRACT	16 T NO 60



EXIST. TYPICAL SECTION COLFAX ROAD



PROPOSED TYPICAL SECTION COLFAX ROAD

NOTE: CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

LEGEND

- 1) EXIST. PCC PAVEMENT 9"
- 2) EXIST. REMAINING HMA AFTER MILLING, ± 3/4 "
- 3) PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4 "
- 4) EXIST. HOT MIX ASPHALT SHOULDER
- 5 EXIST. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 6 PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2 "
- 7) PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4 "
- 8 EXIST. DITCH
- 9 EXIST. AGGREGATE SHOULDER
- 10 PROP. AGGREGATE WEDGE SHOULDER, TYPE B

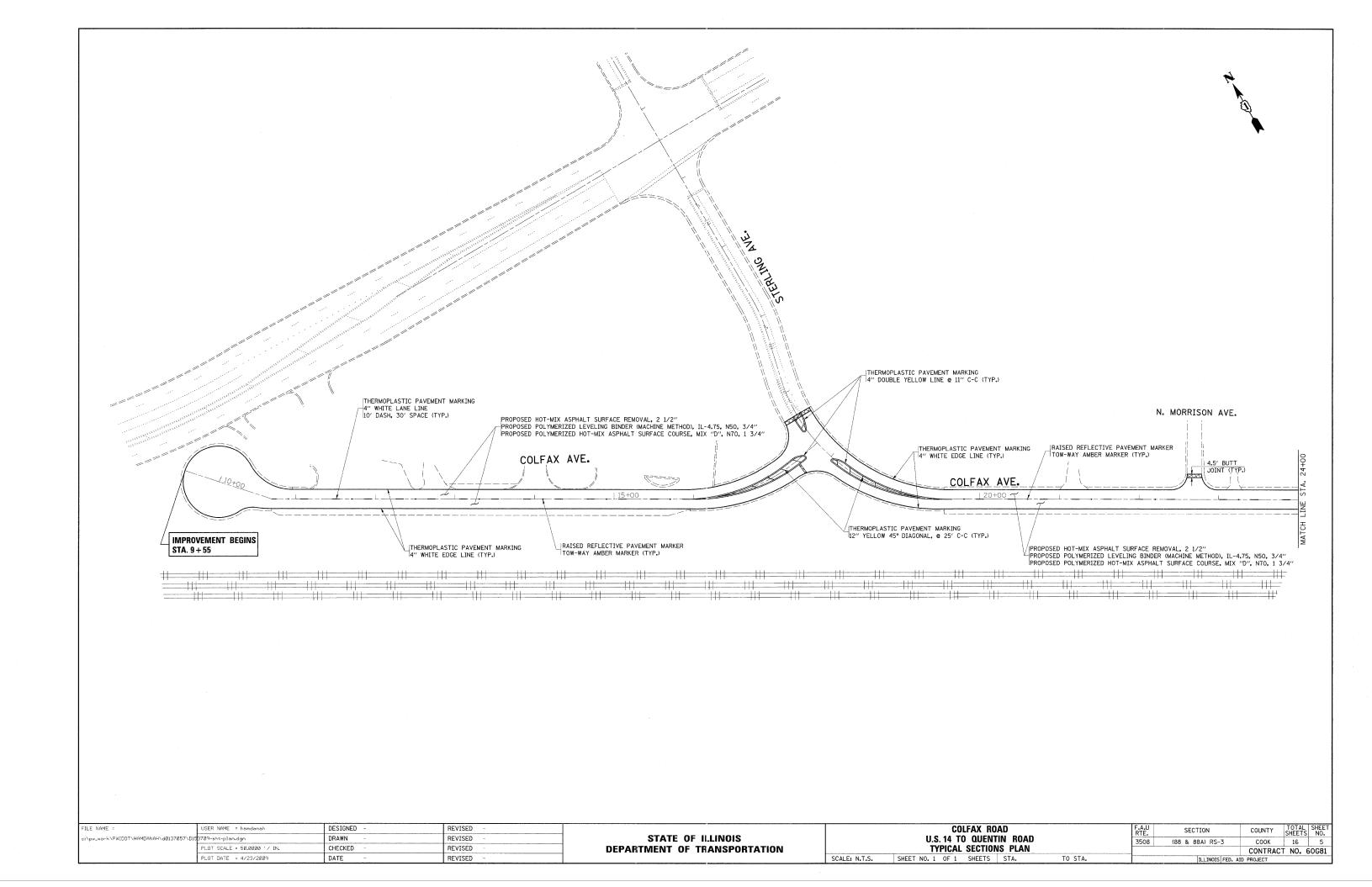
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9,5 mm)	PG 64-22	4% @ 70 GYR
POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR
CLASS D PATCHES, (HMA BINDER IL-19 mm)	PG 64-22*	4% ⊚ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.

*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

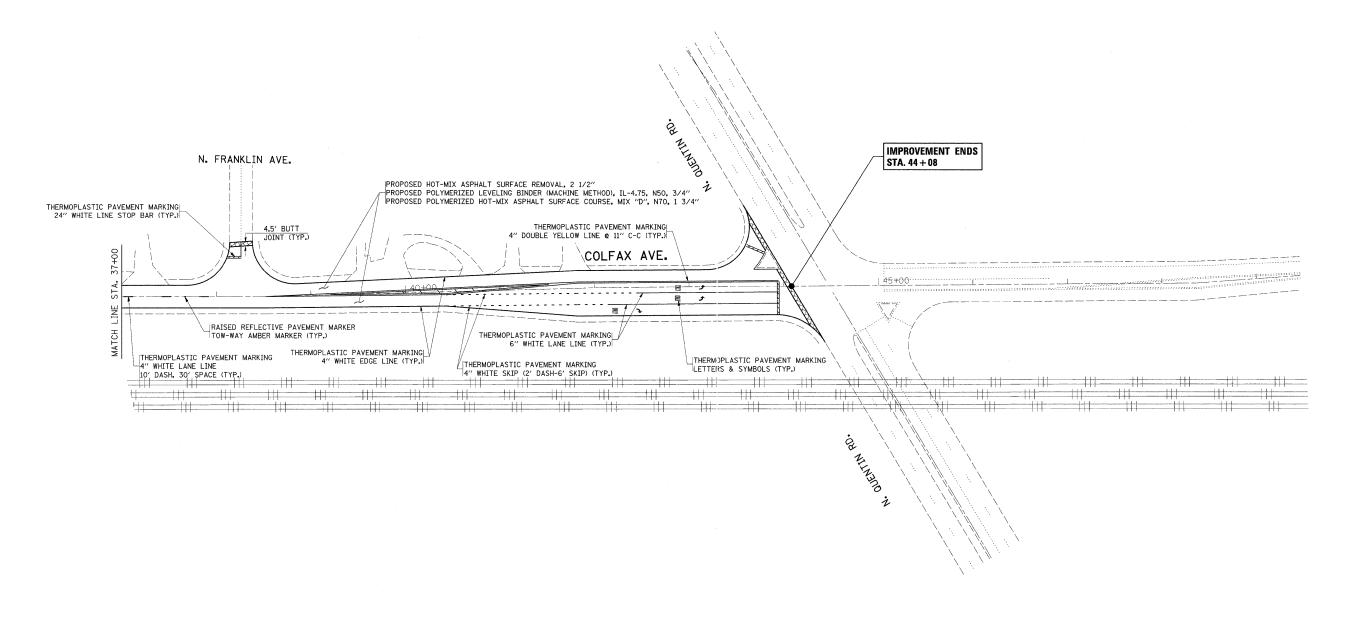
F	FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -		COLFAX ROAD	F.A.U SECTION	COUNTY TOTAL SHEET
٠	c:\pw_work\PWIDOT\MIDYJA\dØ137057\D1537	19-sht-plan.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	U.S. 14 TO QUENTIN ROAD	3508 (88 & 88A) RS-3	COOK 16 4
		PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS PLAN		CONTRACT NO. 60G81
L		PLOT DATE = 4/23/2009	DATE -	REVISED -		SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.	ILLINOIS F	ED. AID PROJECT



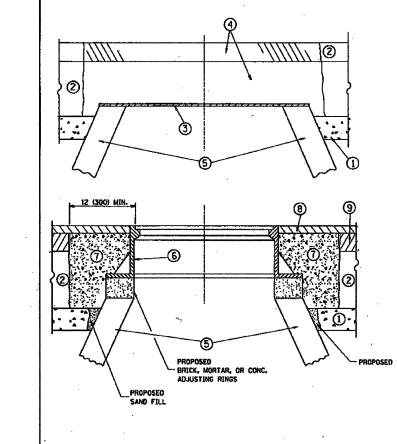
N. COOLIDGE AVE. THERMOPLASTIC PAVEMENT MARKING
4" WHITE LANE LINE
10' DASH, 30' SPACE (TYP.) N. MAPLE AVE. THERMOPLASTIC PAVEMENT MARKING 6" WHITE LANE LINE (TYP.) THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE STOP BAR (TYP.) JOINT (TYP.) COLFAX AVE. RAISED REFLECTIVE PAVEMENT MARKER TOW-WAY AMBER MARKER (TYP.) THERMOPLASTIC PAVEMENT MARKING
4" WHITE EDGE LINE (TYP.) COLFAX ROAD U.S. 14 TO QUENTIN ROAD COUNTY TOTAL SHEETS NO.

COOK 16 6 FILE NAME = DESIGNED REVISED USER NAME = hamdanah SECTION STATE OF ILLINOIS :\pw_work\PWIDOT\HAMDANAH\dØ137057\D153709-sht-plan.dgn DRAWN REVISED (88 & 88A) RS-3 **DEPARTMENT OF TRANSPORTATION** TYPICAL SECTIONS PLAN PLOT SCALE = 50.0000 '/ IN. CHECKED REVISED CONTRACT NO. 60G81 PLOT DATE = 4/22/2009 DATE REVISED SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA.





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c:\pw_work\PWIDOT\HAMDANAH\dØ137Ø57\D15	3709-sht-plan.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	U.S. 14 TO QUENTIN ROAD	3508 (88 & 88A) RS-3 COOK 16
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS PLAN	CONTRACT NO. 600
	PLOT DATE = 4/23/2009	DATE -	REVISED -		SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT



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 109.40 OF THE STAMDARD 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.

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.
- 0) BACKFILL WITH CRUSHED STONE AND A MINIMUM 11/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER,

STAGE 2 (AFTER PAVEMENT MILLING)

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

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

LEGE

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

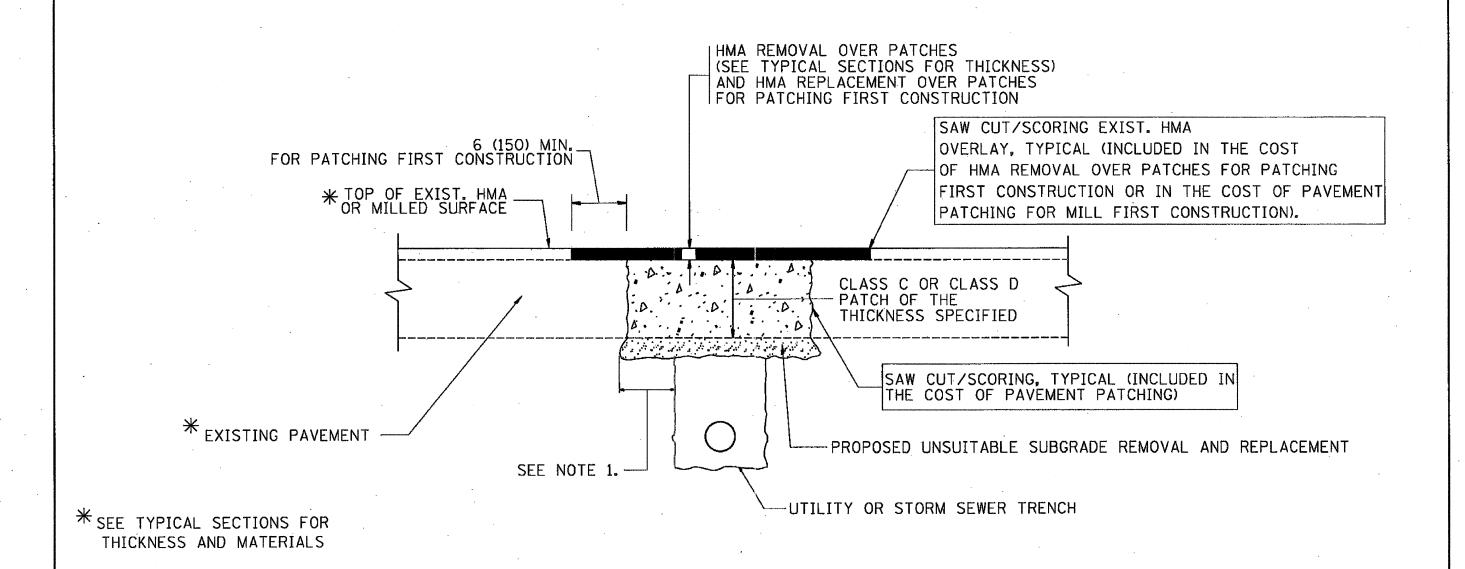
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME : USER NAME = HAMDANAH DESIGNED - R. SHAH REVISED - R. SHAH 03-10-95 Std.dgn PLOT SCALE = 168.9896 '/ IN, STATE OF ILLINOIS DRAWN REVISED - A. ABBAS 03-21-97 FRAMES AND LIDS ADJUSTMENT WITH MILLING CHECKED -REVISED - R. WIEDEMAN 05-14-04 DEPARTMENT OF TRANSPORTATION PLOT DATE = 4/24/2009 DATE - 10-25-94 SHEET NO. 1 OF 1 SHEETS STA.

NOTES



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)

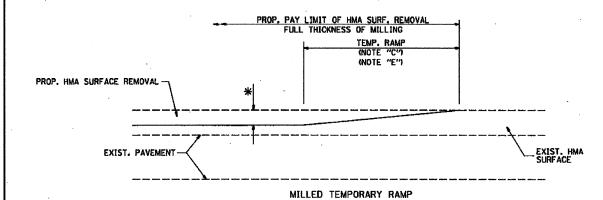
- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST 41/2 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.

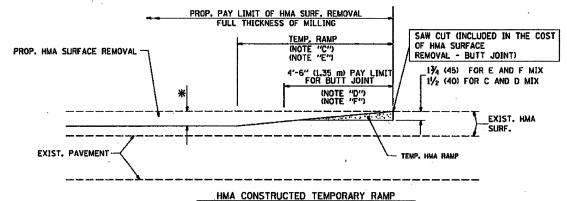
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLES

FILE NAME .	USER NAME . HAMDANAH	DESIGNED - R. SHAH	REVISED - A, ABBAS 04-27-98		PAVEMENT PAYCHING FOR	RTE. SECTION	COUNTY TOTAL SHEET NO.
ci\p _{M-Mor} k\PWIGUT\HAMDANAH\dGI37957\Dis		DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS	HMA SURFACED PAVEMENT	3508 (88 & 88A) RS-3	COOX 16 9
1		CHECKED -	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION		BD400-Q4 (BD-22)	CONTRACT NO. 60GBI
	PLOT DATE = 4/24/2889	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. I OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

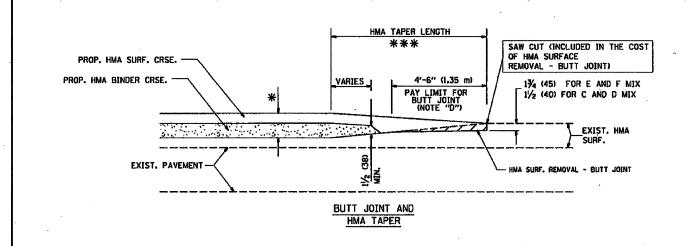
OPTION 1



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

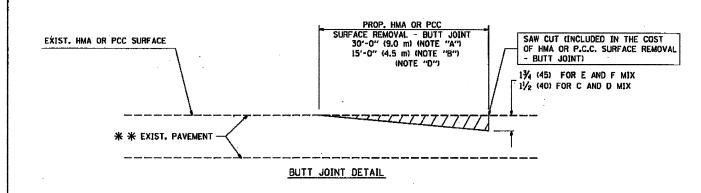
FILE NAME = USER NAME = HAMDANAH DESIGNED - M, DE YONG REVISED - R, SHAM 10-25-94

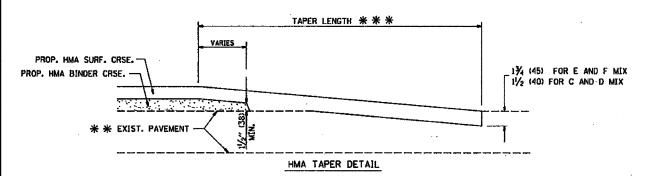
olypm_work/PHIGGT\HMIDANAH\d8i37857\Disk_Std.dgm DRAWN - REVISED - A, ABBAS 03-21-97

PLOT SCR.E = 188.8888 '/ IN. CHECKED - REVISED - M, GOMEZ 04-06-01

PLOT ORTE = 4/24/2899 DATE - 06-13-90 REVISED - R, BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

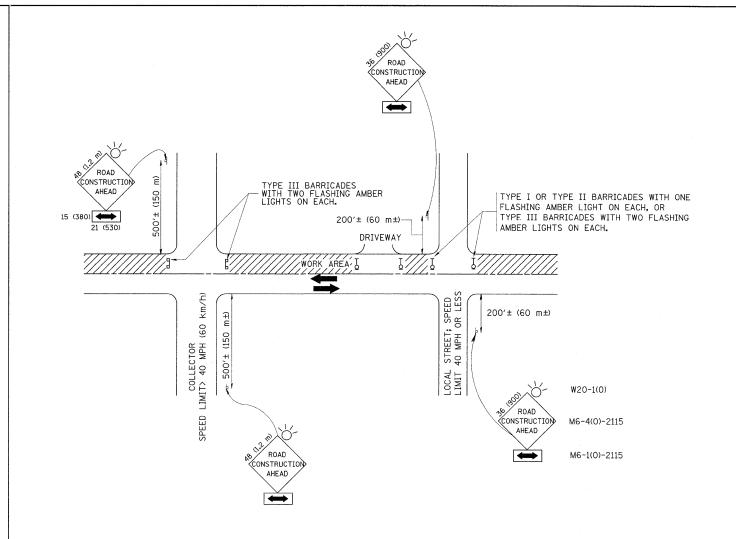
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- \mathbf{C}_{z} 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.

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



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:
- O) 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:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 48 \times 48 (1.2 m \times 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).

SCALE: NONE

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

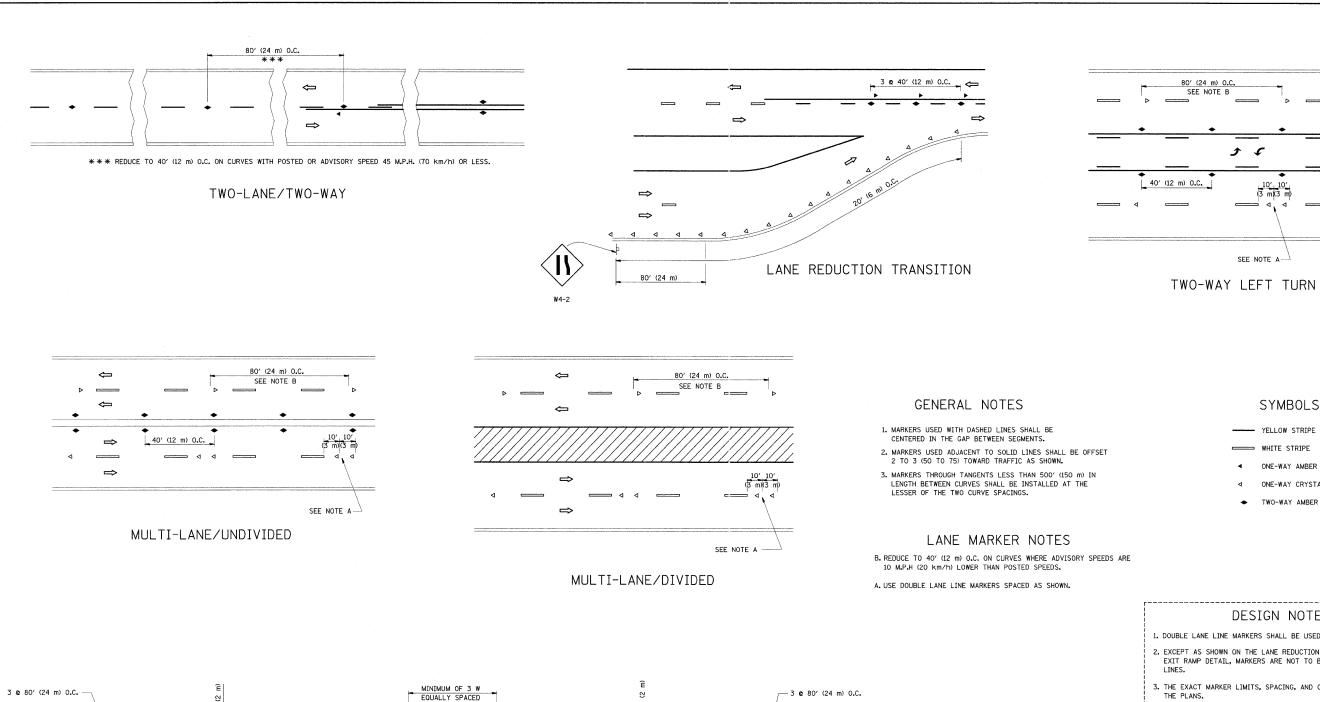
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = wilgreendp	DESIGNED - LHA	REVISED	- J. OBERLE 10-18-95
c:\pw_work\PWIDOT\WILGREENDP\d0137057\D	istStd.dgn	DRAWN -	REVISED	- A. HOUSEH 03-06-96
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED	- A. HOUSEH 10-15-96
	PLOT DATE = 4/23/2009	DATE - 06-89	REVISED	-T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TR	AFFI	C	CON	ITR	OL AND P	ROTEC	TION FOR	
SIDE	ROA	DS	, IN	TEI	RSECTIONS	, AND	DRIVEWAYS	
SHEET	NO	1	OE.	1	SHEETS	STA	TO	STA



DESIGN NOTES

SEE NOTE A

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.

SYMBOLS

◆ ONE-WAY AMBER MARKER

 ONE-WAY CRYSTAL MARKER (₩/O) ◆ TWO-WAY AMBER MARKER

YELLOW STRIPE

WHITE STRIPE

- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
- 4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE

LEFT TURN

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

3 @ 40' (12 m)

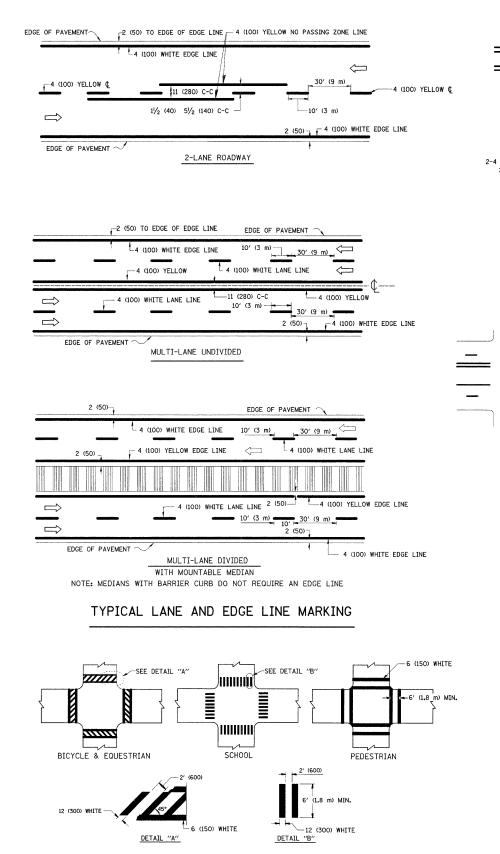
 \Rightarrow

40′ (12 m) 0.C.

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

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED - T. RAMMACHER 09-19-94		TYPICAL APPLICATIONS	F.A.U.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\PWIDOT\WILGREENDP\d0137057\[ıstStd.dgn	DRAWN -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS		3508 (8	38 & 88A) RS-3	СООК	16 12
	PLOT SCALE = 50.0000 '/ IN.	CHECKED ~	REVISED -T. RAMMACHER 01-06-00	DEPARTMENT OF TRANSPORTATION	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		TC-11	CONTRACT	NO. 60G81
	PLOT DATE = 4/23/2009	DATE -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST.	. NO. 1 ILLINOIS FED. AI		

3 @ 40' (12 m) 0.C.



TYPICAL CROSSWALK MARKING

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PLOT SCALE = 50.0000 '/ IN

DESIGNED - EVERS

03-19-90

DRAWN

DATE

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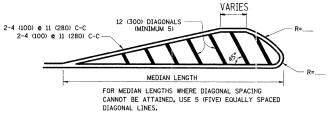
2-4 (100) YELLOW @ 11 (280) C-C

NO DIAGONALS

4' (1.2 m) OUTSIDE TO OUTSIDE OF LINES

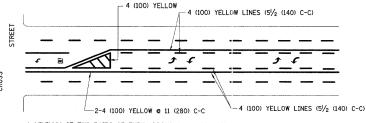
2-4 (100) YELLOW @ 11 (280) C-C

4' (1.2 m) WIDE MEDIANS ONLY

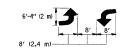


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30MPH (50 km/h) T0 45MPH (70 km/h)) 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

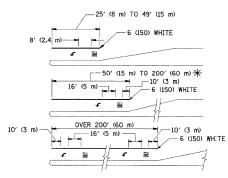


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR, ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

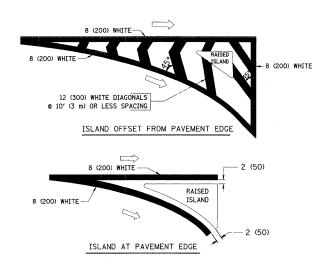


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SQ. FT. (1.5 m²) \P AREA = 20.8 SQ. FT. (1.9 m²)

* 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 UNDIVEDED 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	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 & 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 51/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 e 6 (150) 12 (300) e 45° 12 (300) e 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (500) APART 5' (500) 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	SOLID	YELLOW: TWO WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE
	0 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS		WHITE: ONE WAY TRAFFIC	SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS & 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m 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 (0VER 45MPH (70 km/h))

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

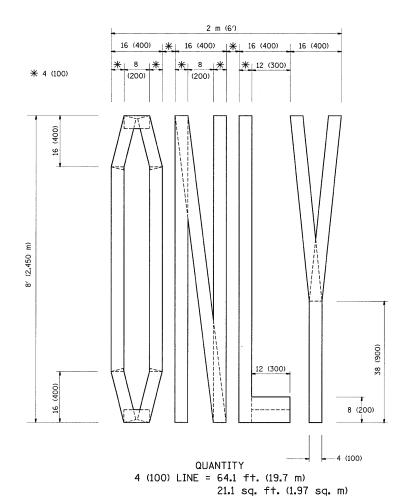
All dimensions are in inches (millimeters) unless otherwise shown.

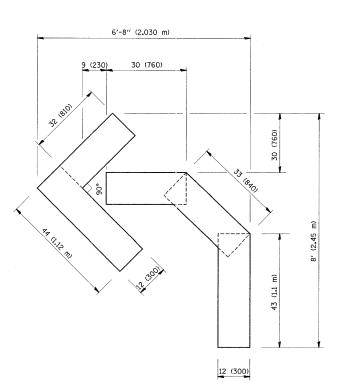
REVISED	-T. RAMMACHER 10-27-94
REVISED	-A. HOUSEH 10-09-96

REVISED -A. HOUSEH 10-17-96

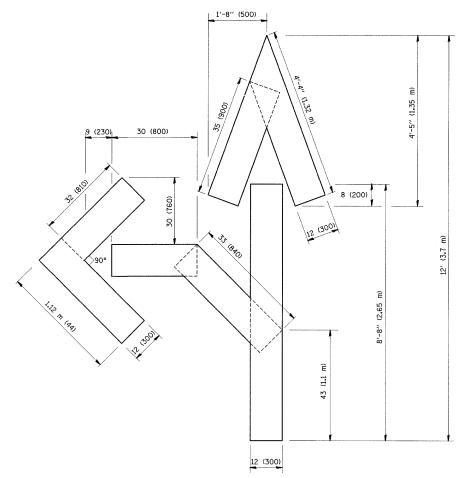
REVISED -T. RAMMACHER 01-06-00

	DIST	RICT ON	IE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TYPICAL PAV	EMENT I	MARKINGS		3508	(88 & 88A) RS-3	соок	16	13
	TITICAL FAV	LIVILIA 1	WANKIIVOO			TC-13	CONTRACT	NO.	60G81
SCALE: NONE	SHEET NO. 1 OF 1	SHEETS	STA.	TO STA.	FED. ROA	D DIST. NO. 1 ILLINOIS FED. AI	D PROJECT		





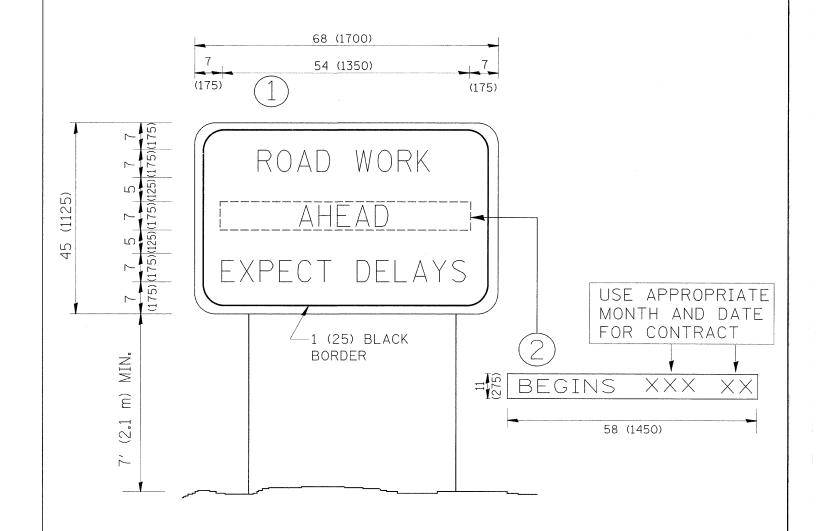
QUANTITY 4 (100) LINE = 45.5 ft. (13.9 m) 15.2 sq. ft. (1.39 sq. m)



QUANTITY 4 (100) LINE = 82.5 ft. (25.3 m) 27.5 sq. ft. (2.53 sq. m)

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

ſ	FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED -T. RAMMACHER 06-05-96		PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING		SECTION	COUNTY	TOTAL SHEET
	c:\pw_work\PWIDOT\WILGREENDP\d0137057\D	ıstStd.dgn	DRAWN -	REVISED -T. RAMMACHER 11-04-97	STATE OF ILLINOIS			(88 & 88A) RS~3	COOK	16 14
		PLOT SCALE = 50.00000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98	DEPARTMENT OF TRANSPORTATION			TC-16	·	T NO. 60G81
L		PLOT DATE = 4/23/2009	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED.		



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 = wilgreendp	DESIGNED -	REVISED - R. MIRS 09-15-97		ARTERIAL ROAD	F.A.U.	SECTION	COUNTY TOTAL SHEE
c:\pw_work\PWIDOT\WILGREENDP\d0137057\[DistStd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS	1	3508	(88 & 88A) PS-3	COOK 16 15
1	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN	0000	TC-22	CONTRACT NO 60G8
	PLOT DATE = 4/23/2009	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIS	ST. NO. 1 THE INDIS FED. AT	D PROJECT

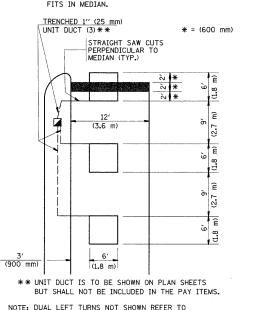
PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER. PAVED OR NON-PAVED SHOULDER PAVED OR NON-PAVED SHOULDER ** = (600 mm) ** ** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS

BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

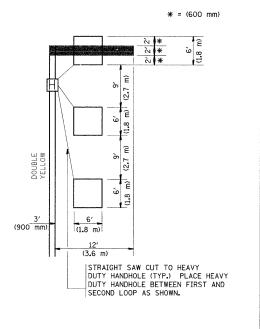
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

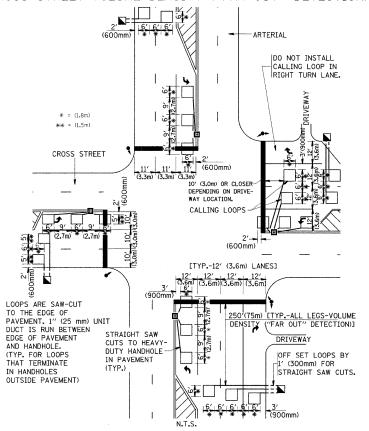


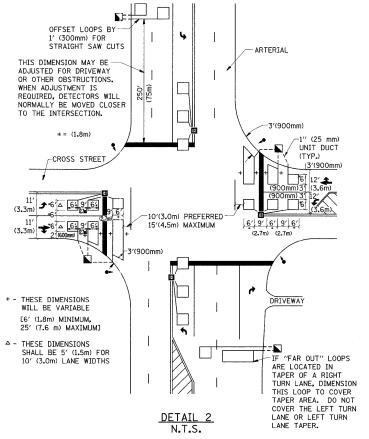
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

SCALE: NONE

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)





NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX, EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF <u>ALL</u> DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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	PLOT SCALE = 50.0000 '/ IN.	CHECKED ~ R.K.F.	REVISED -							
	PLOT DATE = 4/23/2009	DATE -	REVISED -							

DETAIL 1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIS			-			LOOP INSTA	
SHEET	NO.	1	OF	1	SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3508	(88 & 88A) RS-3	СООК	16	16
	TS-07	CONTRACT	NO. 6	50G81
FED. R	OAD DIST, NO. 1 THEINGIS FED. AT	ID PROJECT		