DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED

FEDERAL AID HIGHWAY

FAP RTE 366 (CENTRAL AVENUE) 65th STREET TO 67th STREET **ROADWAY RESURFACING SECTION No. 12-00036-00-RS** PROJECT No. M 4003(075) JOB No. C-91-556-12 VILLAGE OF BEDFORD PARK

COOK COUNTY

HIGHWAY STANDARDS: STANDARD NO. DESCRIPTION

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS CLASS D PATCHES 000001--06: CATCH BASIN TYPE A CATCH BASIN TYPE C 602001-02: 602011-02:

DESCRIPTION COVER SHEET

HOT-MIX ASPHALT MIXTURE CHART PLAN AND PROFILE SHEET

UNLET, TYPE A
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
TRAFFIC CONTROL DEVICES 606001~05 701501-06:

PLAN AND PROFILE SHEET AND STRUCTURE REPAIR SCHEDULE

GENERAL NOTES
SUMMARY OF QUANTITIES
TYPICAL EXISTING SECTIONS AND TYPICAL SECTIONS; STRUCTURAL DESIGN INFORMATION;

PAVEMENT MARKING PLAN AND LOOP DETECTOR REPLACEMENT PLAN
DISTRICT 1 DETAIL—TO 12—TYPICAL PAVEMENT MARKINGS
DISTRICT 1 DETAIL—TC 10—TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS
DISTRICT 1 DETAIL—TS 07—DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING
DISTRICT 1 DETAIL—BD 32—BUTT JOINT AND HMA TAPER

TYPICAL PAVEMENT MARKINGS

ADT = 400

SPEED LIMIT = 20 MPH

INDEX TO SHEETS:

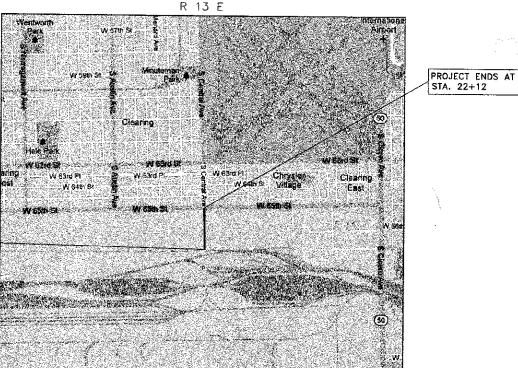
SHEET NO.

DESIGN SPEED = 25 MPH

DESIGN DESIGNATION - LOCAL

N.T.S. PROJECT BEGINS

THIS PROJECT IS LOCATED IN THE VILLAGE OF BEDFORD PARK



LOCATION MAP

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-600809 (708) 599-9990 FAX: (708) 599-6790

EXPIRES 11-30-13

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

(hbe) Hoefferie-Butler Engineering, Inc. Consulting Civil Engineers - Land Survey

CONTRACT NO. 63790

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

JOINT UTILITY LOCATION FOR EXCAVATION

1-800-892-0123 -OR- 811

GROSS LENGTH OF PROJECT

1,212 FEET (0.23 MILES) 1,212 FEET (0.23 MILES)

NET LENGTH OF PROJECT

12

NO.

LOCATION OF SECTION INDICATED AS -STATE OF ILLINOIS

DEWYT

DOUGLAS

UMBERI AND

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

12-00036-00-RS

FED. ROAD DIST, NO. ILLINOIS FED. AID PROJECT

STA. 10+00 TO STA. 22+12

CONTRACT NO. 63790

COOK

Following

GENERAL NOTES

CLEARING

ALL AREAS DESIGNATED IN PLANS AS TO BE CLEARED SHALL INVOLVE REMOVAL OF OBSTRUCTIONS AS DEFINED IN ARTICLE 201.01(a) OF THE STANDARD SPECIFICATIONS. ALL CLEARING SHALL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF THE CONTRACT.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTORS SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE BASED ON RECORD INFORMATION PROVIDED, AND THE ENGINEER/VILLAGE DOES NOT GUARANTEE THEIR ACCURACY, THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE. THIS WORK SHALL BE AT THE CONTRACTORS EXPENSE.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

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

CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS AND EQUIPMENT, IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE STATE OR VILLAGE.

STORM SEWER

ANY EXISTING STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OR HER OWN EXPENSE.

RESTORATION

CONTRACTOR IS TO RESTORE ALL UNPAVED AREAS DAMAGED DURING CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION INCLUDING THE FINE GRADING AND SODDING OR SEEDING OF AREAS WITHIN EASEMENTS AND RIGHTS-OF-WAY.

MISCELLANEOUS

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION, EXCEPT DURING HTE INSTALLATION OF SIDEWALK SPANNING DRIVEWAYS, WHICH INCLUDES THE LENGTH OF TIME NECESSARY FOR EXCAVATION, FRAMING, POURING, AND CURING.

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

ALL SAWCUTTING SHALL BE INCLUDED IN THE UNIT OF COST OF REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.) TYPE III BARRICADES SHALL HAVE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.

ANY EXISTING PAVEMENT OUTSIDE THE AREAS DESIGNATED FOR REMOVAL IN THE PLANS DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR AT HIS/HERS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER WITH NO ADDITIONAL COMPENSATION TO THE CONTRACTOR.

STAKING

THE CONTRACTOR SHALL TAKE CARE TO PROTECT AND PRESERVE ALL STAKING AND MARKING DURING CONSTRUCTION.

CONTINUOUS DESTRUCTION OF STAKES AS A RESULT OF CARELESSNESS MAY RESULT IN THE CONTRACTOR BEING BILLED FOR THE COST OF REPLACEMENT.

THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK. THEY SHALL BE NOTIFIED AT LEAST 72 HOURS IN ADVANCE IF CONSTRUCTION STAKING IS REQUIRED.

CENTRAL AVENUE	DRAWN BY: JMH	REVISED:		GENE	RAL NOTES	FAU SECTION	COUNTY TOTAL SHEET NO.
STA 10+00 TO STA 22+12	CHECKED BY: SAL	REVISED:	STATE OF ILLINOIS			FAP RT 366 12-00036-00-RS	
	DATE: 12.04.12	REVISED:	DEPARTMENT OF TRANSPORTATION				CONTRACT No. 63790
	REVISED:	_ REVISED:		SCALE: N.T.S.	SHEET No. 2 OF 12 SHEETS	FED. ROAD DIST. NO.	INOIS FED. AID PROJECT

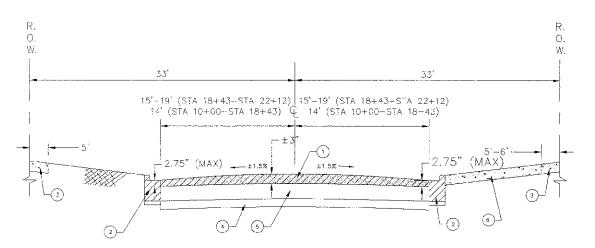
SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNITS	QTY.	CODE NO.	<u>PAY ITEM</u>	UNITS	QTY.
			CONSTRUCTION	de la composition della compos			CONSTRUCTION
			TYPE CODE 0005				TYPE CODE 000
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME , OPEN LID	EACH	1
70030310	TAMES AND EIDS TO BE ADSCUTED (OF EGINE)			002000			
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	37	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQYD	58	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1000 0000	a s s come an	新文學·漢字、孫成,漢字之称
					FRAME, OPEN LID	EACH	1
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	23	777777	MALLIE MADE TO DE DECOMOTO MOTED WITH MEM		· · · · · · · · · · · · · · · · · · ·
10000100	DESIMANONO MATERIA) O (ODIME OOAT)		0010	60266300	VALVE VAULTS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2919		ITPE I FRAINE, CLOSED LID	EACH	1
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	60266600	VALVE BOXES TO BE ADJUSTED	EACH	2
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	109	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	<u>22</u>
40600982	HOT-MIXASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	44	60500050	REMOVING CATCH BASINS	EACH	CIAS RU 6. Tapeca 6 alo.
40603335	HOT-MIXASPHALT SURFACE COURSE, MIX"D", N50	TON	600	60603800	COMBINATION CONCRETE CURB AND GUTTER	1 A 1H	vi
					TYPE B-6.12	FOOT	2367
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY					44	
	PAVEMENT, 8 INCH	SQYD	37	67100100	MOBILIZATION	LSUM	1
44000160	HOT-MIXASPHALT SURFACE REMOVAL, 2-3/4"	SQ YD	3892	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1
44000200	DRIVEWAY PAVEMENT REMOVAL	SQYD	629	* 78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND		
			· · · · · · · · · · · · · · · · · · ·	Z	SYMBOLS	SQFT	61:20
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2367	* 78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	FOOT	2384
44201765	CLASS D PATCHES. TYPE II, 10 INCH	SQYD	389	7,0000200	THE TOTAL PROPERTY TO A STATE OF THE PERSON	1001	2.00 ;
<u> </u>				* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	109
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQYD	3892	* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME						
	OPEN LID	EACH	4	~米 88600600	DETECTOR LOOP REPLACEMENT	FOOT	224

* DENOTES SPECIALTY ITEM

~ DENOTES SPECIAL PROVISION ITEM

CENTRAL AVENUE	DRAWN BY: JMH	REVISED:		SUMMARY OF QUANTITIES		SUMMARY OF QUANTITIES		FAU RTE	SECTION .	COUNTY	TOTAL SHEETS	SHEET NO.
STA 10+00 TO STA 22+12	CHECKED BY: SAL	REVISED:	STATE OF ILLINOIS			FAP RT 366 1	2-00036-00-RS	S COOK	12	3		
	DATE: 12.04.12	REVISED:	DEPARTMENT OF TRANSPORTATION				· · · · · · · · · · · · · · · · · · ·	CONT	RACT No. 63	5790		
	REVISED:	REVISED:		SCALE: N.T.S.	SHEET No. 3 OF 12 SHEETS	FED. ROAD DIS	ST. NO. IL	LÍNOIS FED.	AID PROJECT	ſ		



EXISTING TYPICAL SECTION

CENTRAL AVENUE; 65th - 67th STREET

(1) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2.75"

(5) EXISTING CONCRETE BASE, 8"-10"

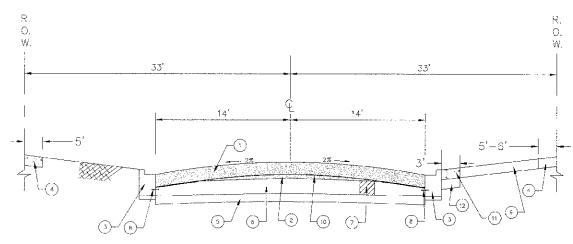
2) PROPOSED CURB & GUTTER REMOVAL, B6.12

6) EXISTING CONCRETE DRIVEWAY

- 3) EXISTING CONCRETE S-DEWALK
- (4) EXISTING GRANULAR SUB-BASE MATERIAL, 6"-13"

*DEPTH OF REMOVAL SHALL BE TO TOP OF CONCRETE BASE OR AT DISCRETION OF ENGINEER.

NOTES: CROSS-HATCHED AREAS ARE TO BE REMOVED



PROPOSED TYPICAL SECTION CENTRAL AVENUE; 65th — 67th STREET

- (1) PROPOSED HOT-MEX ASPHALT SURFACE COURSE, MIX 'D', N50, 2"
- (7) PROPOSED CLASS D PATCHES, TYPE II 10"
- 2) PROPOSED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N50, VARIES
- (8) PROPOSED TIE BARS
- (3) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B6.12.
- (9) EXISTING CONCRETE DRIVEWAY (WHERE SHOWN ON PLANS)

(4) EXISTING CONCRETE SIDEWALK

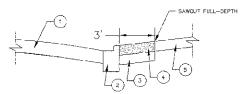
10) AREA REFLECTIVE CRACK CONTROL TREATMENT

(5) EXISTING GRANULAR SUB-BASE MATERIAL, 6"-13"

(11) PROPOSED P.C.C. DRIVEWAY PAVEMEN, 8"

(6) EXISTING CONCRETE BASE, 8"-10"

(12) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"



PROPOSED TYPICAL SECTION HOT-MIX ASPHALT DRIVEWAY

- 1) EXISTING PAVEMENT
- 2) PROPOSED COMBINATION CURB & GUTTER, TYPE 86.12
- [3] PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 3"
- (4) PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
- (5) EXISTING HOT-MIX ASPHALT DRIVEWAY PAVEMENT

STRUCTURAL DESIGN TRAFFIC: YEAR 2022 PV = 364 SU = 16 MU = 20

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: P = 50 S = 50 M = 50

TRAFFIC FACTOR: ACTUAL T.F. = 0.133 MINIMUM T.F. = N/A

P6 GRADE: BINDER = N/A SURFACE = 64-22

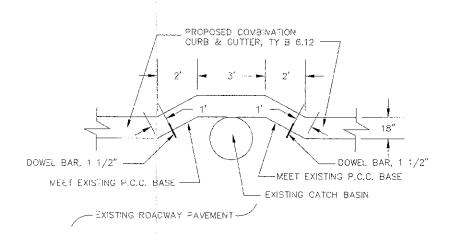
IBR = 2.5 SSR = FAIR

	"
HOT-MIX ASPHALT MIXTURE REQUIREMENTS CH	IART
MIXTURE TYPE	AIR VOIDS AT Ndes
PAVEMENT RESURFACING	:
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 2"	4% AT 50 GYR
HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N50 (VARIES)	4% AT 50 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 3"	4% AT 50 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "S8S/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BF "P 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

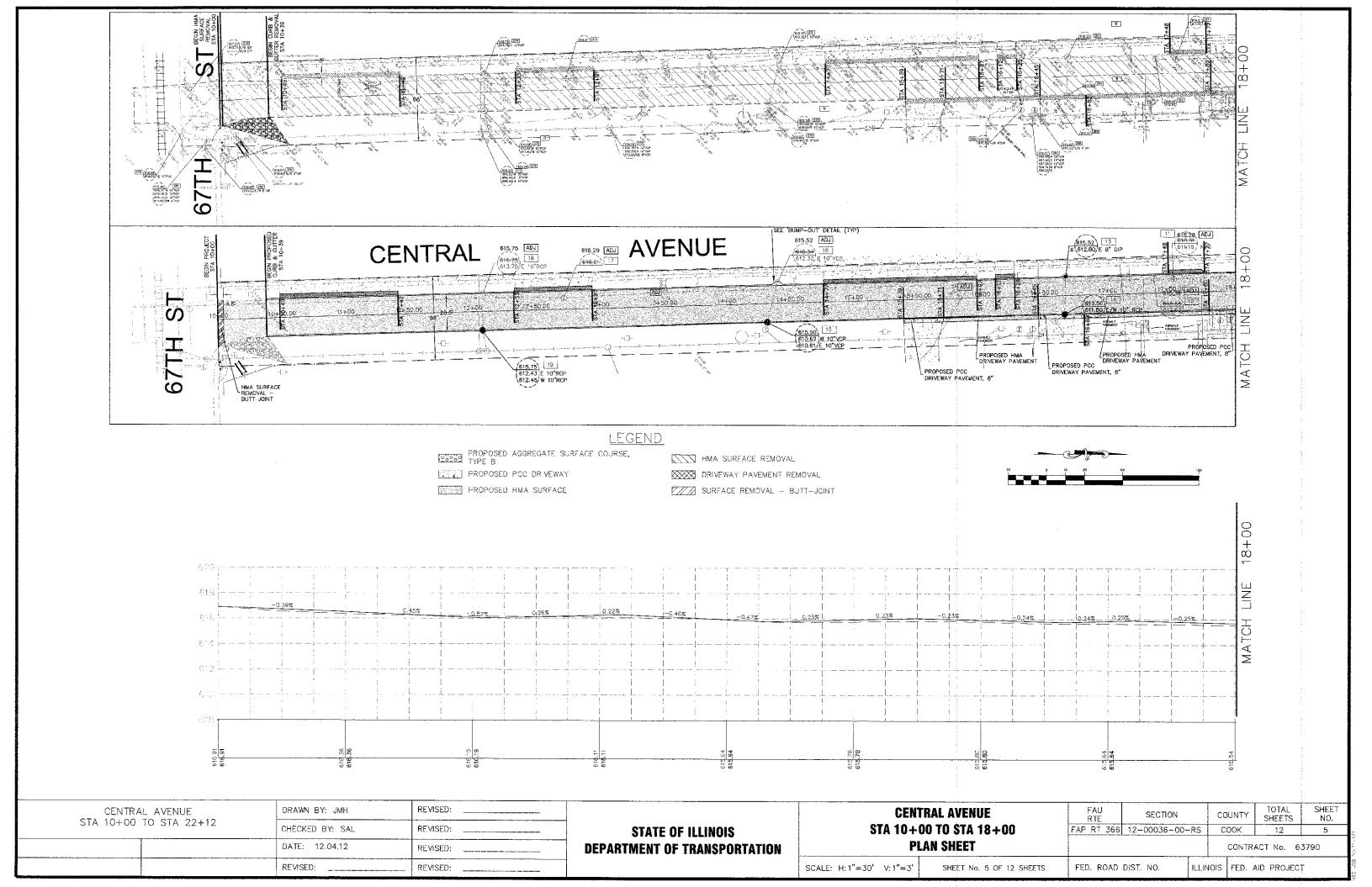


CURB 'BUMP-OUT' DETAIL

CENTRAL AVENUE	DRAWN BY: JMH	REVISED:
STA 10+00 TO STA 22+12	CHECKED BY: SAL	REVISED:
	DATE: 12.04.12	REVISED:
	REVISED:	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICA	L SECTIONS	FAU RTE	SECTION	C	YTAUC	TOTAL SHEETS	SHEET NO.
		FAP RT 366	12-00036-00-	-RS C	00K	12	4
	:				CONTRA	ACT No. 63	790
SCALE: H:1"=30' V:1"=3'	SHEET No. 4 OF 12 SHEETS	FED. ROAD	DIST. NO.	ILLINOIS	FED. A	AID PROJECT	



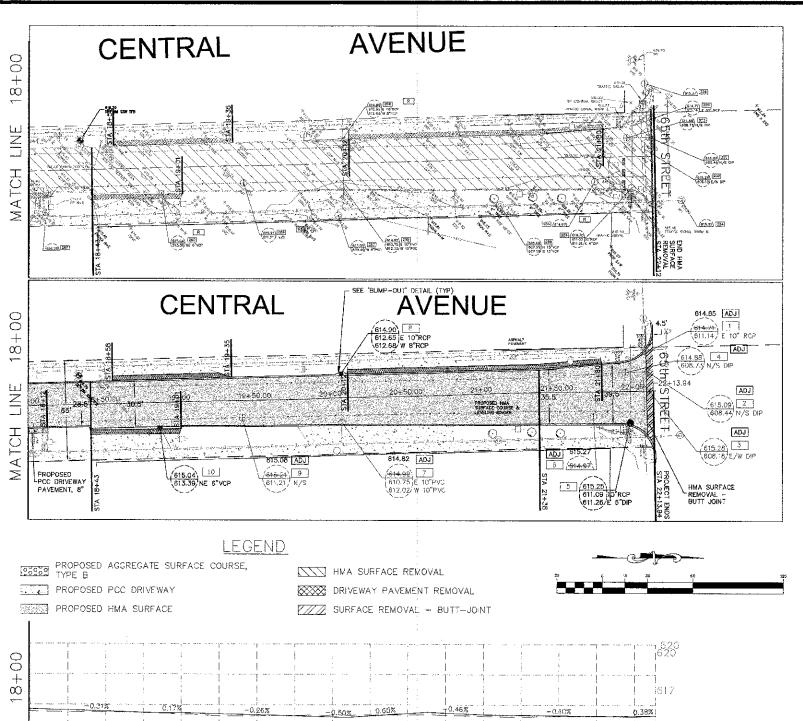
1) ALL DRIVEWAYS NOT DESIGNATED TO BE REPLACED WITH PCC PAVEMENT OR HMA PAVEMENT SHALL BE REPLACED WITH AGGREGATE SURFACE COURSE, TYPE B

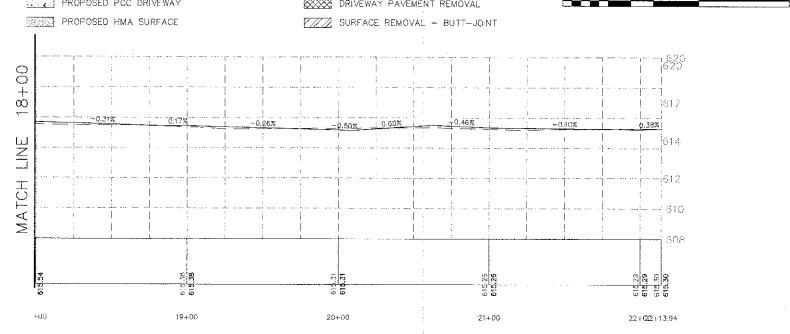
STRUCTURE REPAIR SCHEDULE

NUMBER	STRUCTURE	FRANE &	REVORTAR PIPS AT STR. WALL	CLEAN OUT	REMOVE & REPLACE STRUCTURE	CEMENTIRGUS LINER	RELOCATE EXISTING STRUCTURE	ADJUST FRAME ELEVATION	REMOVE & REPLACE ADJ. RINGS	REMOVE & REPLACE FRAME AND COVER	REMARKS
	4' P.C. CB		ì						X		SEE MOTE 3.
2	4' P.C. WVV								X		SEE NOTE 3.
3	4' P.C. WVV								×		SEE NOTE 3.
4	6' P.C. WVV		!						Х		DETERMINE IN FIELD No. OF ACL RINGS & NOTIFY ENGINEER: SEE NOTE 3.
5	4' BLOCK CB				×					Х	REPLACE WITH 4' P.C. CB WITH INSIDE TRAP; SEE NOTES 2 & 3.
6	W/V (COULD NOT OPEN)								Х	Х	DETERMINE IN FIELD No. OF ADJ. RINGS & NOTIFY FINGINGER FOR FRAME TYPE; SEE NOTE 3.
7	4' P.C. CB		ĺ						X	1	SEE NOTE 3.
В	36" BLOCK CB				X					X	REPLACE WITH 2' P.C. CB; SEE NOTES 2 & 3.
9	4 P.C. & FLOCK WVV							Χ		Х	SEMOVE TOP 24" OF BRICK, REPLACE WITH P.C. 36"X24" FLAT-BOTTOM OFFSET CONE; SEE NOTES 1 &
10	E" VERTICAL PIPE W/FRAME				Х					Х	MEPLACE WITH 2' P.C. CB WITH INSIDE TRAP: SEE NOTES 2 & 3.
11	6' P.C. WVV								Х	Х	SEE NOTES ! & 3.
12	6' P.C. WVV								X		SEE NOTE 3.
13	36" BLOCK CB				Х					X	REPLACE WITH 2' P.C. INE; SEE NOTES 2 & 3.
14	36, Brock CB	!			X					X	REPLACE WITH 4' P.C. OB WITH INSIDE TRAP; SEE NOTES 2 & 3.
16	4' BLOCK CB				Х					X	REPLACE WTH 4' P.C. CB; SEE NOTES 2 & 3.
¹E	4" P.C. CB				1				Х		SEE NOTE 3.
17	P.G. WVV				1				Χ	Х	SEE NOTES 3 & 5.
18	4 P.C. CB		Х					~~~~~	Х	X	DETERMINE IN FIELD No. OF ADJ RINGS AS NOTIFY ENGINEER FOR FRAME TYPE; SEE NOTE 3.
19	4' P.C. 09				X					×	REPLACE WITH 4' P.C. OB; SEE NOTES 2 & 3.

- NOTES: 1) REMOVE CRISTING FRAME AND FURNISH AND INSTALL A NEW TYPE I FRAME AND GASKETED CLOSED LID, OR AS CIRECTED BY ENGAREER

- REMOVE EXISTING FRAME AND FURNISH AND INSTALL A NEW TYPE I FRAME AND GASKETED CLOSED LID, OR AS DIRECTED BY ENGINEER
- 5) REMOVE EXISTING FRAME AND FURNISH AND INSTALL A NEW TYPE 1 FRAME AND GASKETED CLOSED UD, OR AS DIRECTED BY ENGINEER
- REMOVE EXISTING FRAME AND FURNISH AND INSTALL A NEW TYPE 1 FRAME AND GASKETED CLOSED UD, OR AS DIRECTED BY ENGINEER





CENTRAL AVENUE	DRAWN BY: JMH	REVISED:
STA 10+00 TO STA 22+12	CHECKED BY: SAL	REVISED:
	DATE: 12.03.12	REVISED:
	REVISED:	REVISED:

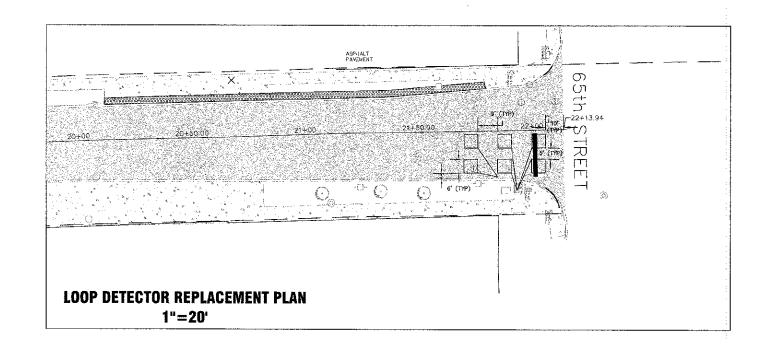
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

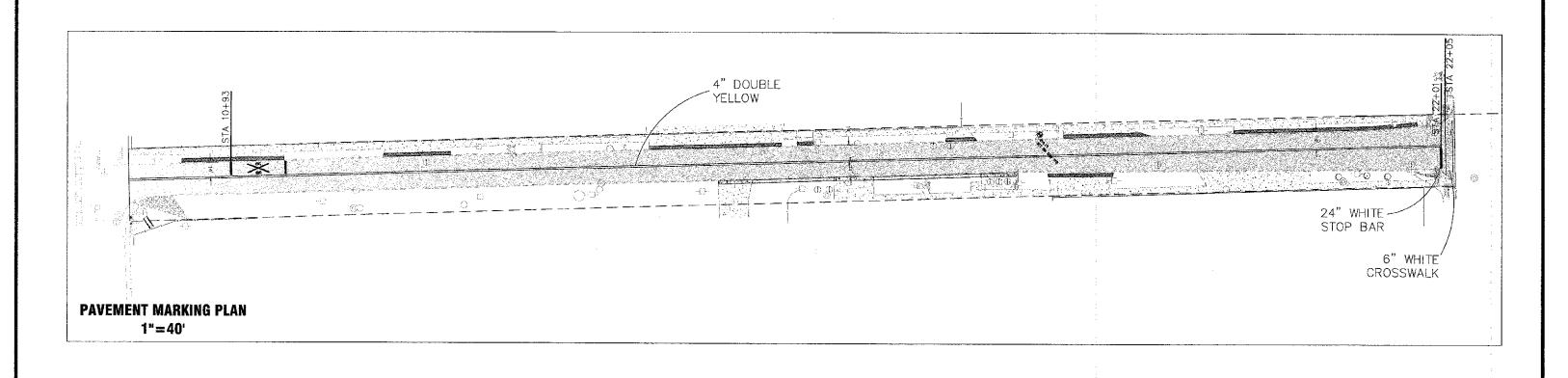
	TRAL AVENUE 00 to STA 22+12
	LAN SHEET
SCALE: H:1"=30' V:1"=3'	SHEET No. 6 OF 12 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
AP RT 366	12-00036-00-RS	COOK	12	6
		CONTR.	ACT No. 6	33790

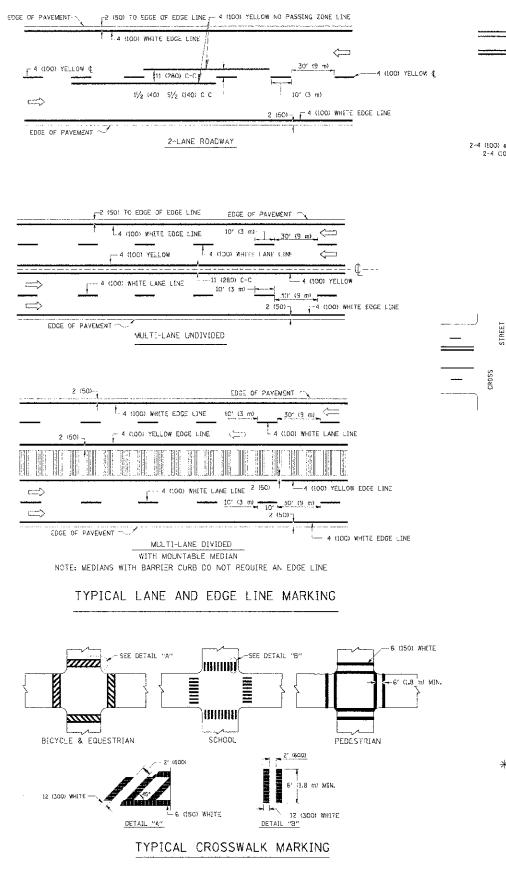
ILLINOIS FED. AID PROJECT

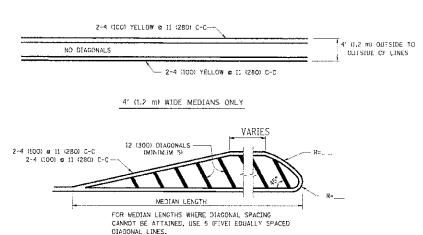
FED. ROAD DIST. NO.



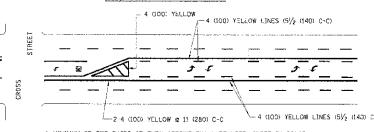


CENTRAL AVENUE STA 10+00 TO STA 22+12	DRAWN BY: JMH	REVISED:		LOOP DETECTO	LOOP DETECTOR REPLACEMENT PLAN &		1	COUNTY SHE	ETS
	CHECKED BY: SAL	REVISED:	STATE OF ILLINOIS	PAVEME	ENT MARKING PLAN	FAP RTE 366 12-00036-	00-RS	COOK 1:	2
	DATE: 12.03.12	REVISED:	DEPARTMENT OF TRANSPORTATION					CONTRACT N	o. 637
	REVISED:	REVISED:		SCALE: SEE PLAN	SHEET No. 7 OF 12 SHEETS	FED. ROAD DIST, NO.	ILLINOI	S FED. AID PR	OJECT





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



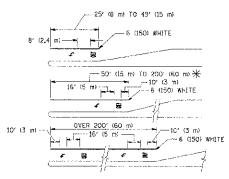
MEDIANS OVER 4' (1.2 m) WIDE

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALE BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) 10 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

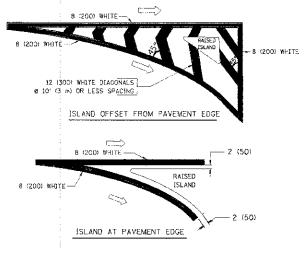


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P_3 AREA = 15.6 SO. ST. (1.5 m 2) (NL) AREA = 20.8 SO. FT. (1.9 m 2)

* TURN LANES IN EXCESS OF 40C' 1120 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 2 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 g 4 (100)	SOLID SOLID	AETFOM AETFOM	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 TIHW	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 MOJNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO DARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FLLL 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 SO_ID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE.
	8' (2.4m) LEFT ARROW	IN PAIRS	MHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIACONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 5 6 (150) 12 (300) 6 45° 12 (300) 6 90°	SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART 2' (600) APART SHE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' 11.2 ml 'N ADVANCE OF AND PARALLEL TO GROSSWALK, IF PRESENT. O'HERMIS, PLACE AL LESTRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDJANS	: 2 e 4 (100) WITH 12 (300) DIAGONALS e 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.
GORF 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' (5 m) C-C 30MPH (50 km/h) TC 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 78000; ARRA OF: "R"=3.6 SO. FT. (0.33 m²) EACH "X"-54.0 SO. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT	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.

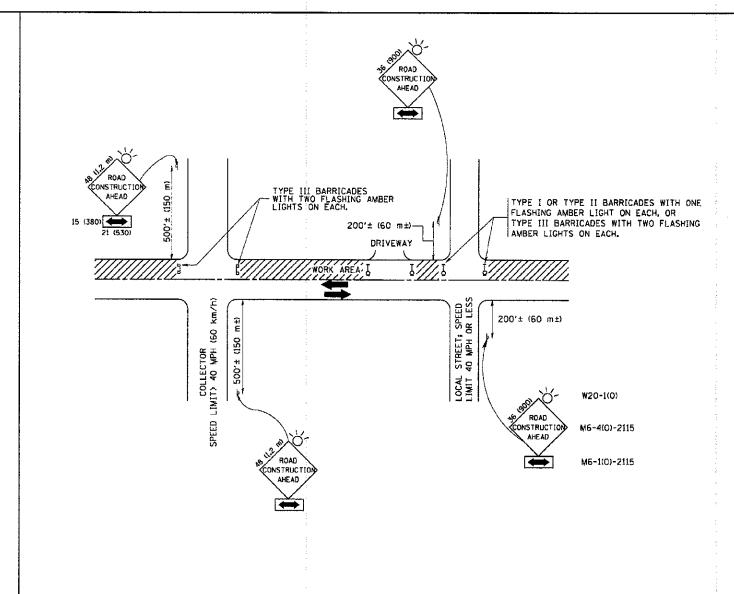
SCALE:

All dimensions are in inches (millmeters) unless atherwise shown.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	:	DISTRICT C	NE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TYPIC	AL PAVEMENT	MARKINGS		366	12-00036-00-RS	CCOK	12	8
	111100	1719 EISKES I	monnado			TC-13	CONTRACT	NO.63	790
: NONE	SHEET NO. 1 Q	F 1 SHEETS	STA.	TC STA.	PED. R	DAO DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		
	-								



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 35 (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:
- 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 (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-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 (SID. 701501, SID. 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 = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
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1	PLOT SCALE = 50.000 '/ [N.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLGT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE	: OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

TR	AFFIC	CONTRO	L AND F	ROTEC	CION FOR	
SIDE	ROADS	, INTER	SECTIONS	, AND	DRIVEWAYS	
SHEET	NO. 1	OF 1	SHEETS	STA	TO STA	

A. TĖ.	- SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-10	CONTRACT	NO. 63	3790
ED.	ROAD DIST. NO. ! ILLINOIS FED.	AID PROJECT	7	
			-	

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT
NOTE WHICH SHOULD EQUAL
3' (900 mm) X WIDTH OF
PAVED SHOULDER.

PAVED OR
NON-PAVED
SHOULDER

* = (600 mm)

(3.0 m)

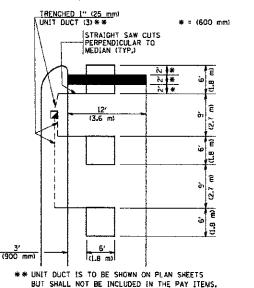
(1.5 m) (1.8 m) (1.5 m) #

(3.0 m)

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

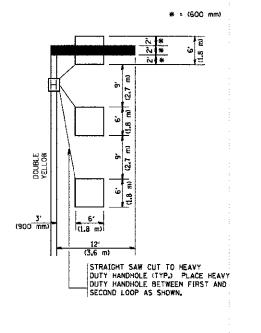
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS, HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE, REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO 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

BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

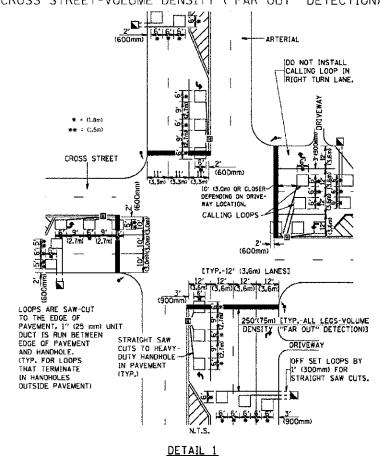
* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS

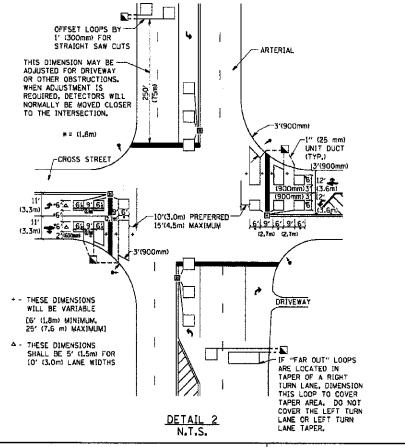
ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)

1" (25 mm) UNIT

DUCT-TRENCHED

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 ALL 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

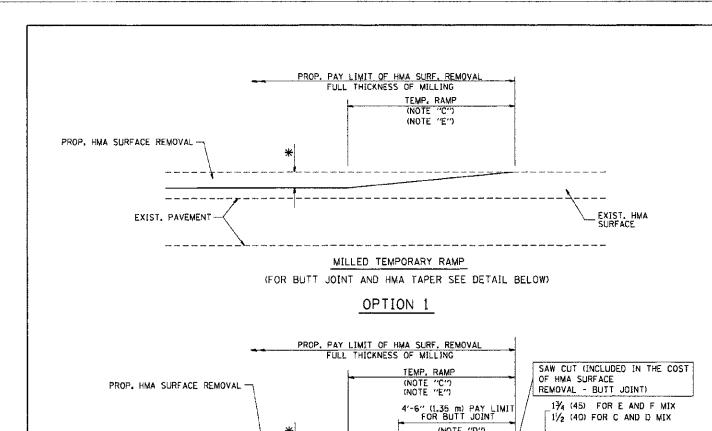
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

		J.	
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	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIS	TRIC	T 1	DE1	FECTOR L	OOP INSTALL	ATION
		4 1			AY RESURFAC	ING
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A.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-07	CONTRAC	T NO. 6	3790
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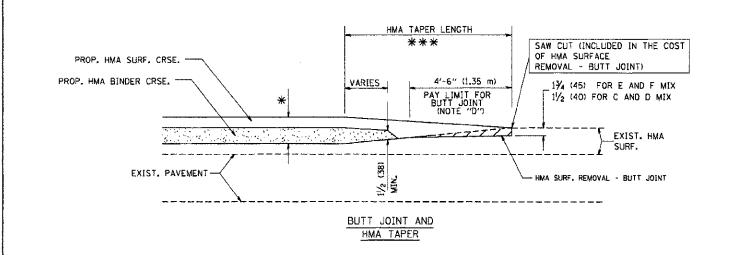
EXIST. PAVEMENT

HMA CONSTRUCTED TEMPORARY RAMP

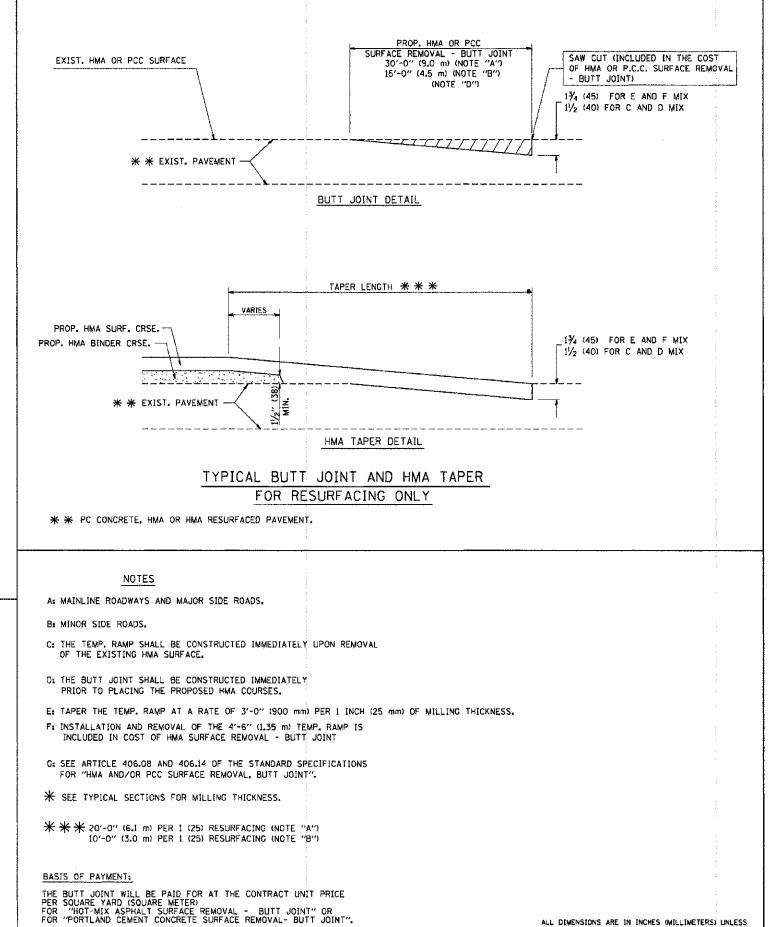
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE

EXIST. HMA

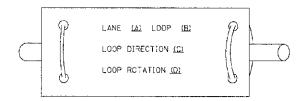
SURF.

OTHERWISE SHOWN,

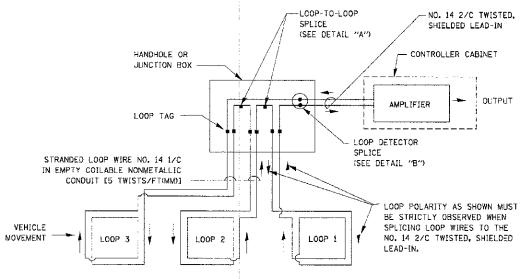
LOOP DETECTOR NOTES

- 1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE, SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET. AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER, SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR. WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) AFART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

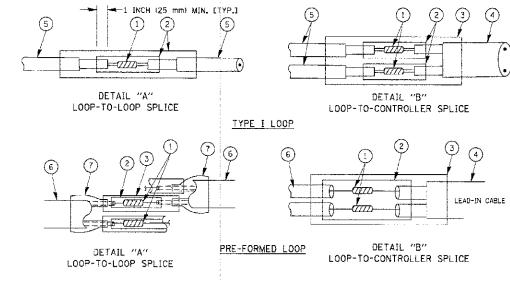


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOF CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



LOOP DETECTOR SPLICE

- (1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE,
- (6) PRE-FORMED LOOP
- T DEPLYOLEFIN 2 CONDUCTOR BREAKGUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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	M.DT SCALE + 50.22000 17 IN.	CHECKED	DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS	366 T\$-05	CONTRACT NO. 63790
	PLOT G67E : 11/4/2029	CATE -	10-28-09	REVISEO -		ALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.		D PROJECT