INDEX OF SHEETS

- TITLE SHEET
- TRAFFIC SIGNAL PLAN
- CABLE PLAN, PHASE DESIGNATION DIAGRAM, E.V.P. **SEQUENCE OF OPERATIONS & SCHEDULE OF QUANTITIES**
- **BIKE PATH INSTALLATION PLAN**
- DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS DISTRICT ONE STANDARD TRAFFIC CONTROL & PROTECTION
- DISTRICT ONE STANDARD TYPICAL PAVEMENT MARKINGS

STATE STANDARDS

701006-03	701011-02	701101-0 2	701301 <i>-</i> 0 <i>3</i>	701901-01
424001-05	720001-0f		814001-02	814006-0
857001-01	877001-04	877006 <i>-03</i>	877011-04	878001-0
880001 -DI	880006 -D1	886001-01		
701201- 03	701316 <i>-</i> 94	701321-ID	701406-05	701501-05
701502·03	701601-86	701606 <i>-06</i>	701701-06	701801-04

NOTE: STANDARD DRAWINGS REQUIRED ARE UNDERLINED

LAKE COOK ROAD	41,600 AD
WILKE ROAD	11,500 ADT
BIKE PATH	<100 ADT

POSTED SPEED

LAKE COOK ROAD	45 MPH
WILKE ROAD	30 MPH
BIKE PATH	NOT POST

CLASSIFICATION

LAKE COOK ROAD	URBAN STREET
WILKE ROAD	URBAN STREET



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 US THE GRAPHIC SCALES ON DRAWINGS

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

PROJECT ENGINEER: MICHAEL PAGONES P.E. PROJECT MANAGER: THOMAS PONSOT

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

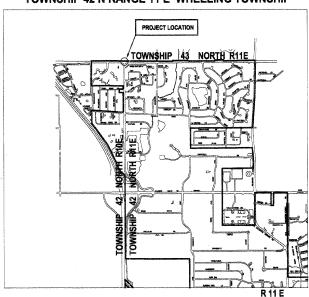
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

TRAFFIC SIGNAL MODIFICATION & BIKE TRAIL CONNECTION AT FAP ROUTE 379 LAKE COOK ROAD AT WILKE ROAD SECTION 08-00187-00-BT PROJECT CMM-9003-(194) **VILLAGE OF ARLINGTON HEIGHTS** WHEELING TOWNSHIP **COOK COUNTY** C-91-252-09

LOCATION MAP

NOT TO SCALE

TOWNSHIP 42 N RANGE 11 E WHEELING TOWNSHIP



PROJECT LENGTH

NET LENGTH = 0.1 MILES GROSS LENGTH = 0.1 MILES FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS PASSED 104 /6 ,2009 DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS JULY 16 20 09 Diane M. O'Keef gr DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL	•
JAMES J. MASSARELLI, P.E. DIRECTOR OF ENGINEERING VILLAGE OF ARLINGTON HEIGHTS LICENSES EXPIRES 11/30/09	MASS 062-045110 REGISTEREI PROFESSION ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

TITLE SHEET, ARLINGTON HEIGHTS, ILLINOIS

CONTRACT NO. 63229

GENERAL NOTES TRAFFIC SIGNAL LEGEND 1) CONTRACTOR'S ATTENTION IS DRAWN TO DETECTOR LOOP DIVE HOLES THAT MAYBE WITHIN OR UNDER CURB TO BE REMOVED & REPLACED (ANY DAMAGE CAUSED TO DETECTOR LOOP LEAD-IN CABLE OR RACEWAYS SHALL BE REPAIRED BY CONTRACTOR AT PROPOSED EXISTING CONTROLLER SERVICE INSTALLATION THEIR EXPENSE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED) SIGNAL HEAD WITH BACKPLATE 2) DETECTABLE WARNING PLATES SHALL BE SUPPLIED AT ALL DEPRESSED CURB CUTS AS REQUIRED BY THE VILLAGE OF ARLINGTON HEIGHTS FROM THE MANUFACTURER IDENTIFIED IN THE SPECIAL PROVISIONS. (TYP) SIGNAL HEAD, PEDESTRIAN MAST ARM ASSEMBLY AND POLE, STEEL MAST ARM ASSEMBLY AND POLE, ALUMINUM 3) ADDED NOTES: COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE A. THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312)603-1730
PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5)
WORKING DAYS ADVANCE NOTICE IS REQUIRED.
B. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT THE COUNTY
DESIGN ENGINEER AT (312)603-1730 FOR LOCATION APPROVAL PRIOR TO CUTTING
OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED. UNIT DUCT COMMON TRENCH HANDHOLE HEAVY DUTY HANDHOLE DOUBLE HANDHOLE G.S. CONDUIT IN TRENCH (T) OR PUSHED (P) C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES PEDESTRIAN PUSHBUTTON DETECTOR C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLE AND CONDUITS.

D. ALL ELECTRICAL CABLE SHALL HAVE A POLYVINYL CHLORIDE JACKET.

E. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUIT AND EQUIPMENT IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT CAST IRON JUNCTION BOX EMERGENCY VEHICLE LIGHT DETECTOR CONFIRMATION BEACON SIGNAL HEAD OFTICALLY PROGRAMMED

CONDUIT SPLICE WOOD POLE

RAILROAD CONTROL CABINET

TELEPHONE CONNECTION ILLUMINATED SIGN ILLUMINATED SIGN UNINTERRUPTIBLE POWER SUPPLY

RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE

8>8 E

AND/OR EQUIPMENT AT NO COST TO THE COUNTY. 4) INSTALL (30"X30") W11-1 WITH SUPPLEMENTARY (24"X12") W16-7p BICYCLE CROSSING WARNING SIGNS

SECTION

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

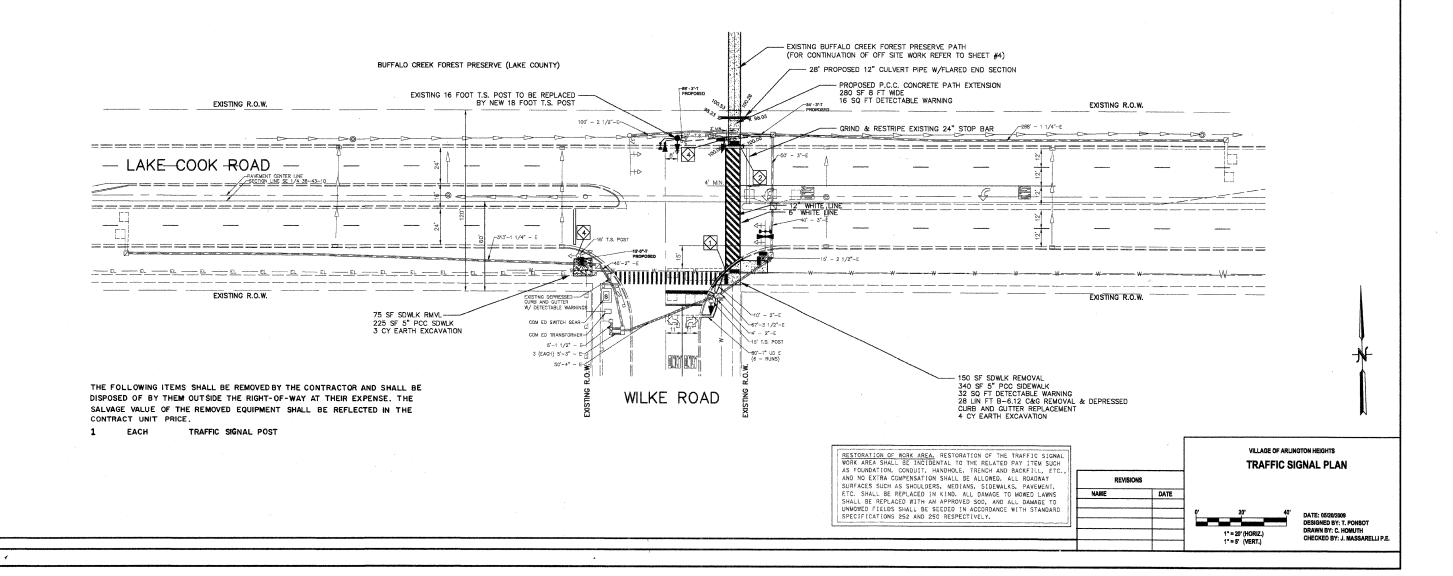
RTE. SECTION 379 08-00187-00-BT

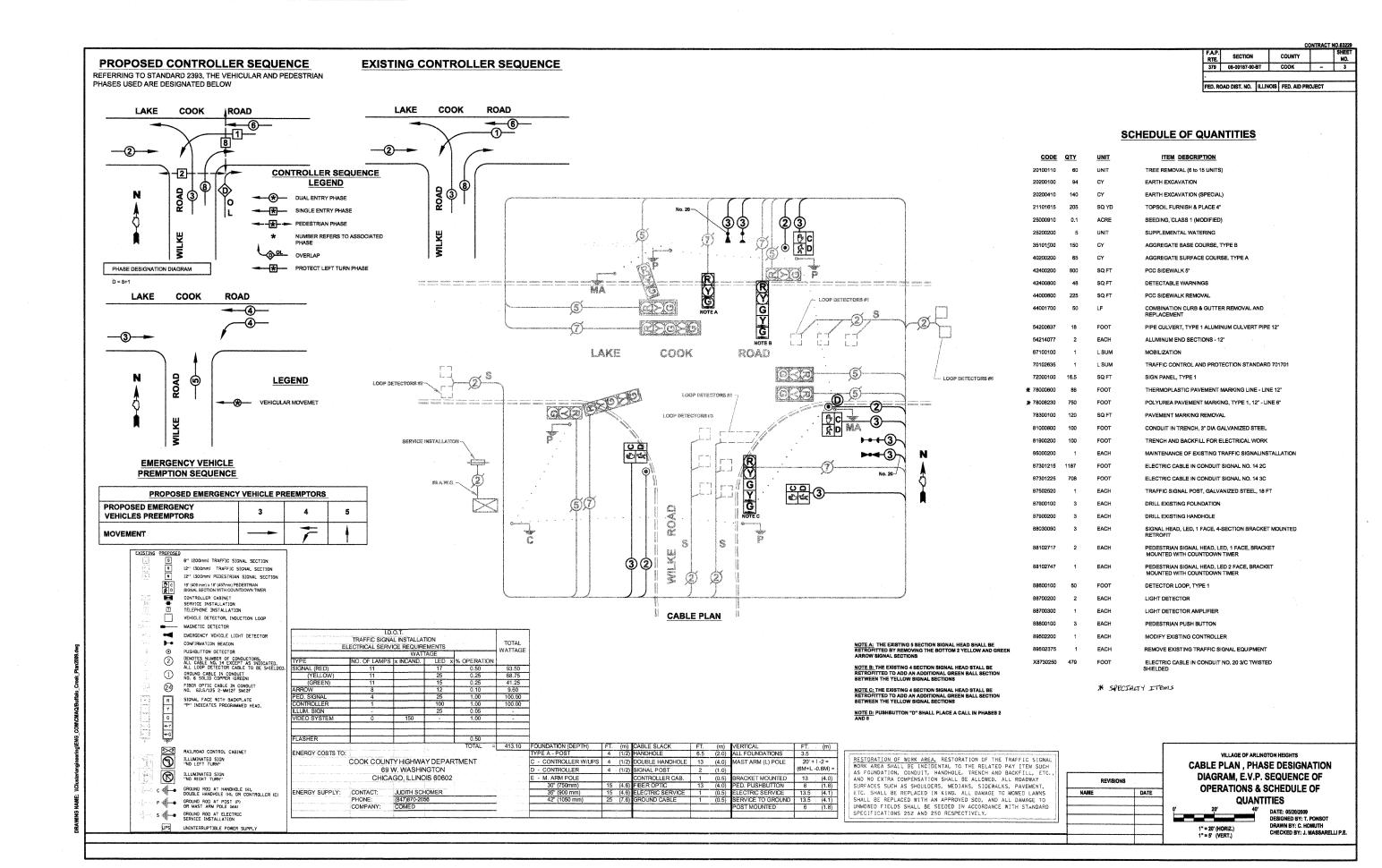
COUNTY

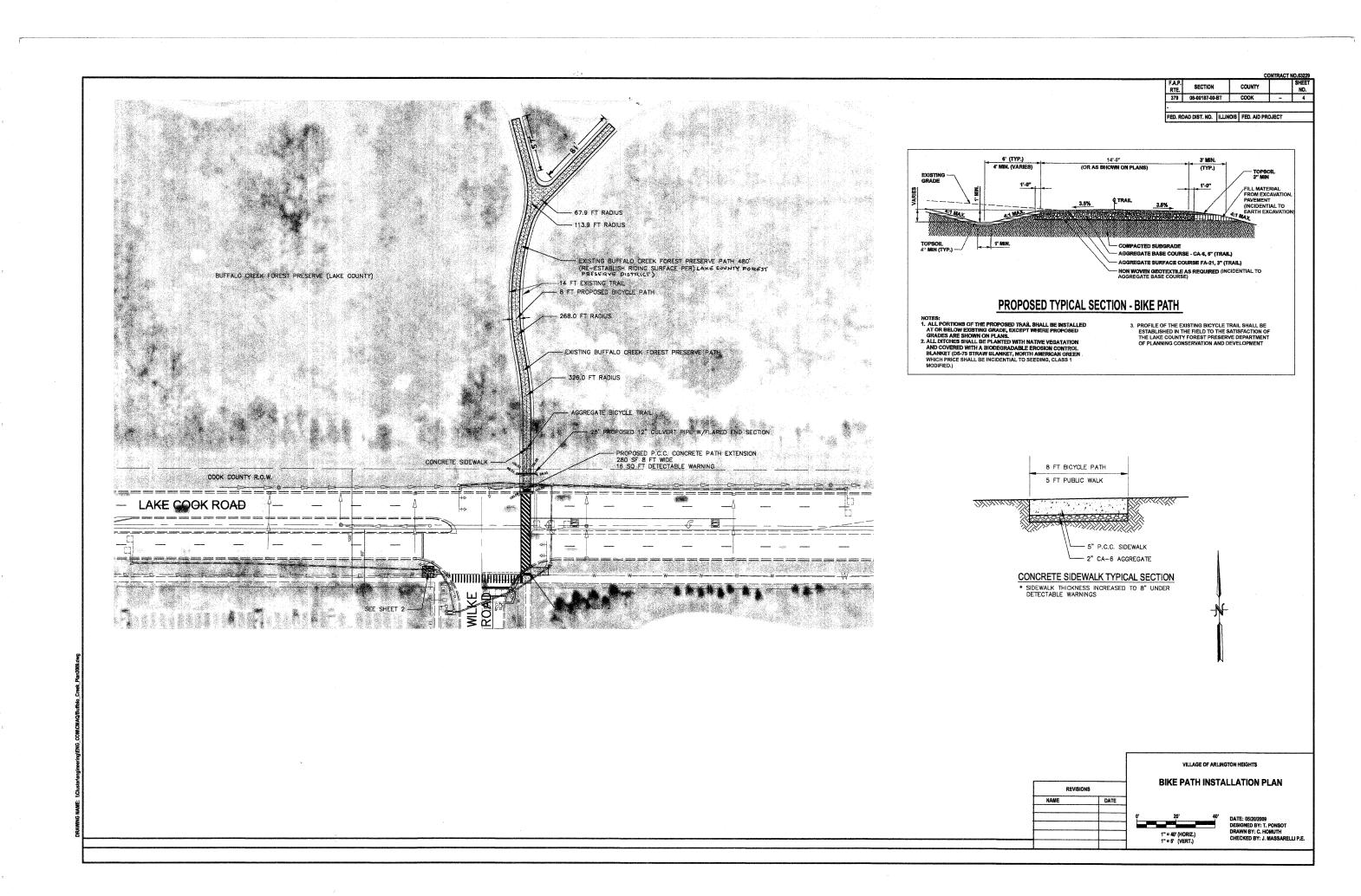
COOK

5) PRIOR TO CONSTRUCTION A MEETING WILL BE HELD AT THE JOB SITE WITH REPRESENTATIVES OF THE COOK COUNTY HIGHWAY DEPARTMENT, TRAFFIC SIGNAL SECTION TO FIELD VERIFY THE THAT THE EXISTING TRAFFIC SIGNAL CONTROLLER IS COMPATIBLE WITH THE PROPOSED EMERGENCY VEHICLE PREEMPTION EQUIPMENT, AND CONFIRM INSTRUCTIONS FOR REWIRING THE

6) THE CONTRACTOR WILL BE RESPONSIBLE TO ACQUIRE ALL NECESSARY PERMITS OR BONDS AND TO SATISFY THE REQUIREMENTS OF THE COOK COUNTY HIGHWAY DEPARTMENT AND LAKE COUNTY FOREST PRESERVE DISTRICT.



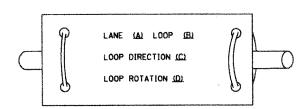




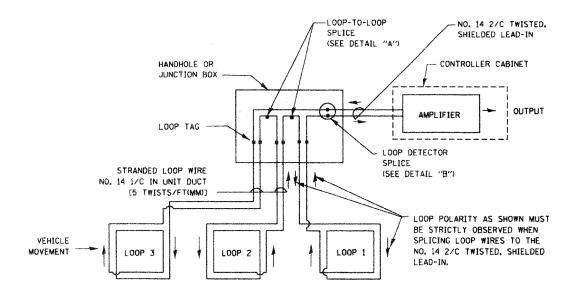
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAYEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAYEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT 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 DETECTION.
- 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) APART.
- 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

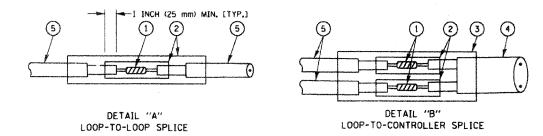


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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 LENCHT 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

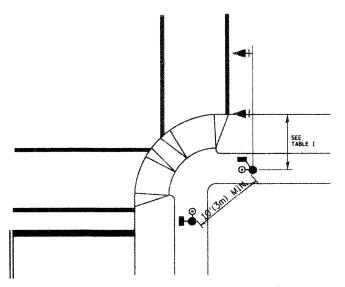
		DISTRICT ONE		
	STANDARD	TRAFFIC SIGNAL D	ESIGN DETAILS	
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MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR CURB. SHOULDER, OR EDGE OF PAVEMENT (SEE PLANS) 2'(600 mm) TYP.

5' (1.5m) MAX.

TRAFFIC SIGNAL MAST ARM AND POST

PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCO (SEE NOTE I). TO MEET MUTCO REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION. EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.
- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON, PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991), TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

- A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
- B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
- C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
- E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS
 THAN 8 FT (2,4m) NOR MORE THAN 10 FT (3,0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A
 PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK
 BEING USED.
- 3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY. SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- 4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

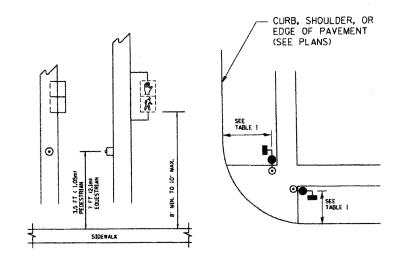


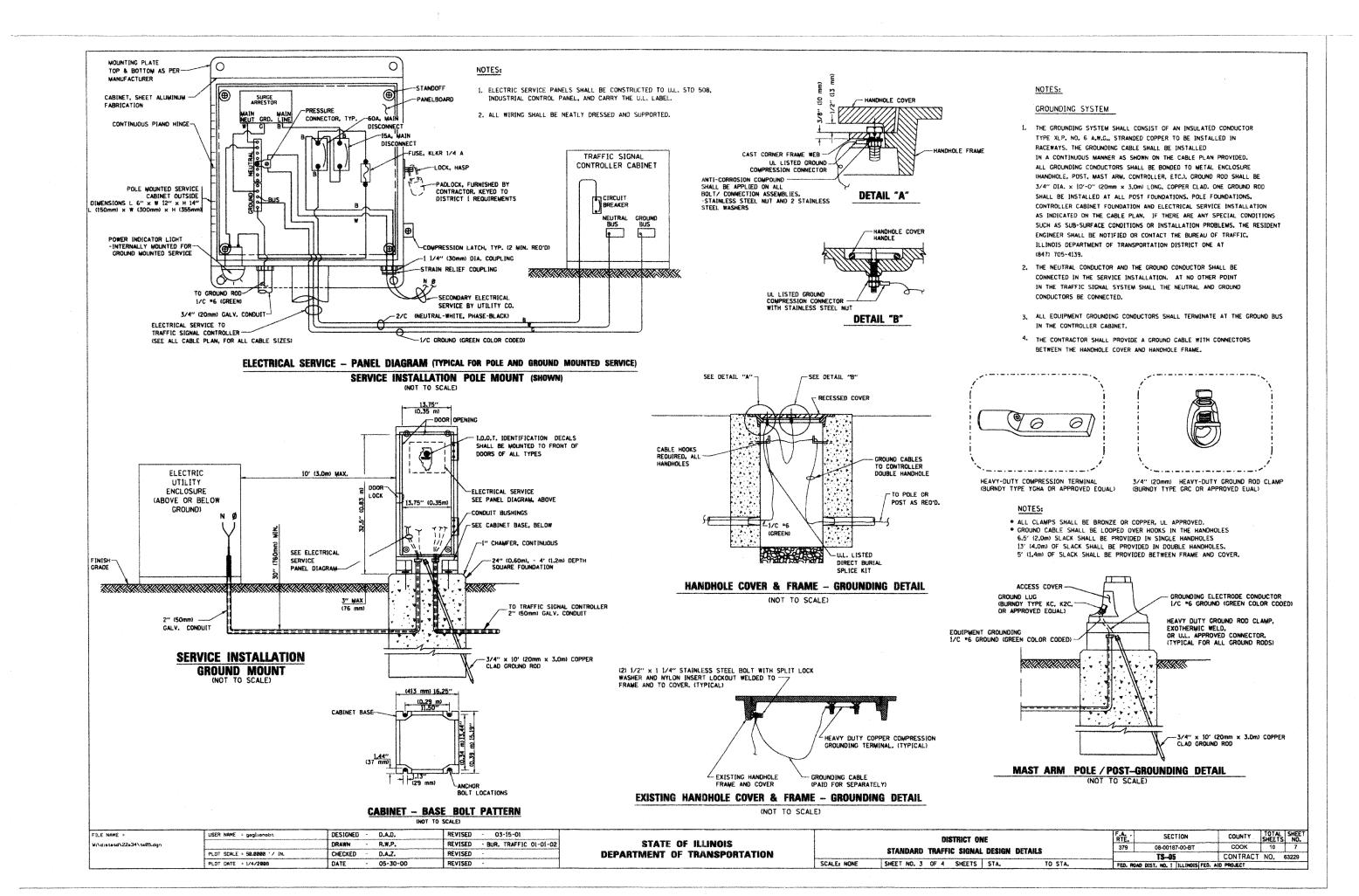
TABLE I

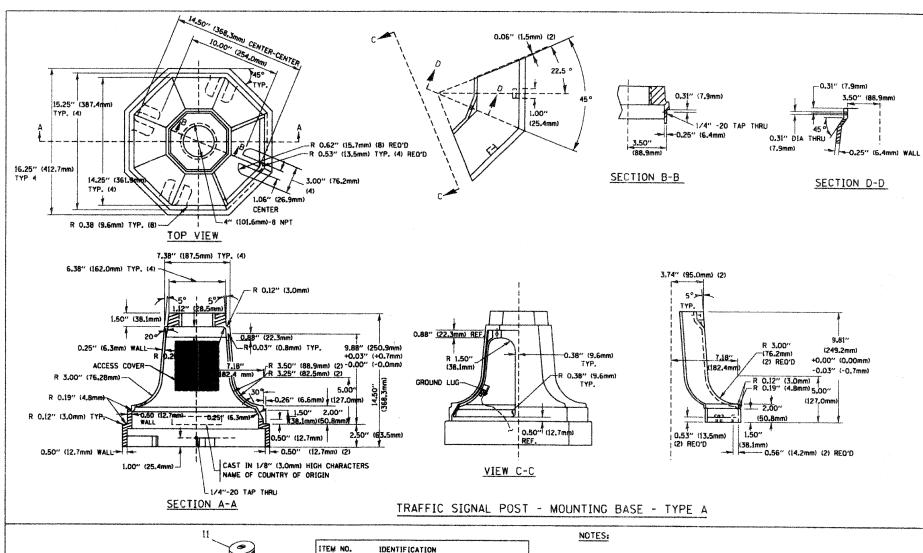
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), WINIWUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1,2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

FILE NAME *	USER NAME = geglienobt	DESIGNED -	D.A.D.	REVIS	ED - BUR.	TRAFFIC	01-01-02
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		DIS	TRICT ON	E		F.A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	STANDARD	TRAFFIC	CICHAI	DEGICAL	DETAILS	379	08-00187-00-BT	COOK	10	6
	2 i Manuin	10 11 11 11 11 1	, aldith	Graigh			TS-05	CONTRACT	NO. 6	3229
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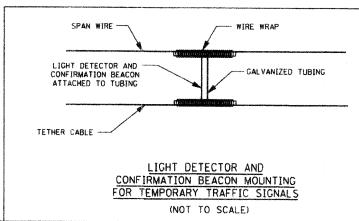


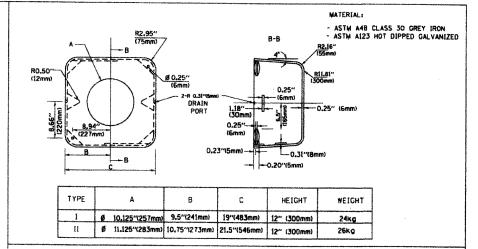
OUTLET BOX- GALY, 21 CU.IN. (0.000344 CU-M) LAMP HOLDER AND COVER OUTLET BOX COVER RUBBER COVER GASKET

PAR 36 LAMP DETECTOR UNIT POST CAP [18 FT, (5,4 m) POST MIN,]

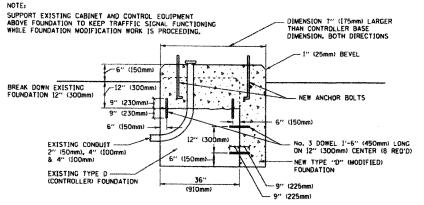
8-3-93

- 1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS *2 AND *11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM "1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM *2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM *9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM *9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 14"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



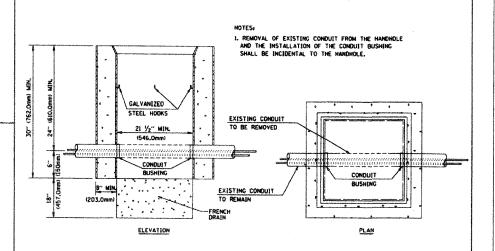


SHROUD DETAIL



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME : USER NAME = gaglianobt DESIGNED - D.A.D. REVISED - BUR.TRAFFIC 03-15-01 Wi\distatd\22x34\ts65.dgr DRAWN - R.W.P. REVISED - BUR.TRAFFIC 11-12-01 PLOT SCALE = 58.0000 '/ IN CHECKED - D.A.Z. REVISED - BUR.TRAFFIC 01-01-02 PLOT DATE = 1/4/2008 DATE - 05-30-00 REVISED

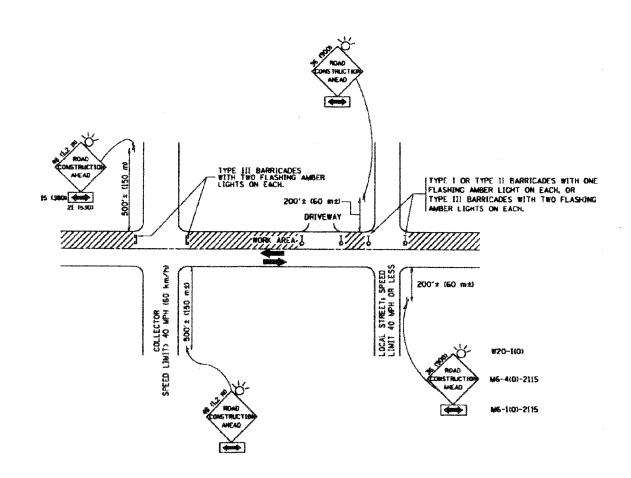
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

MAST ARM MOUNT

POST CAP MOUNT

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	F.A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	379	08-00187-00-BT	COOK	10	8
SCALE; NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA		TS05	CONTRACT	NO. E	3229
 SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA, TO STA,	FED. R	OAD DIST. NO. 1 ILLINOIS FED. A	D PROJECT		



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

NOTES:

4. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH 050 HIN/IN OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- c) the bank pointed on it approximately 200° 60° 60 bi advance of the main rcute,
- NO THE CLOSED PORTION OF THE MAIN ROLTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICAGES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. Side road with a speed limit greater than 40 Mpm 180 km/m as shown on the drawing and as directed by the engineers
- of the brain route, and approximately sout its an advance of the main route,
- IN 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 BECIMMING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW WE-13 SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW WE-4).

B. FOR A LAME CLOSURE ON A SADE ROAD OR BRIVEWAY!

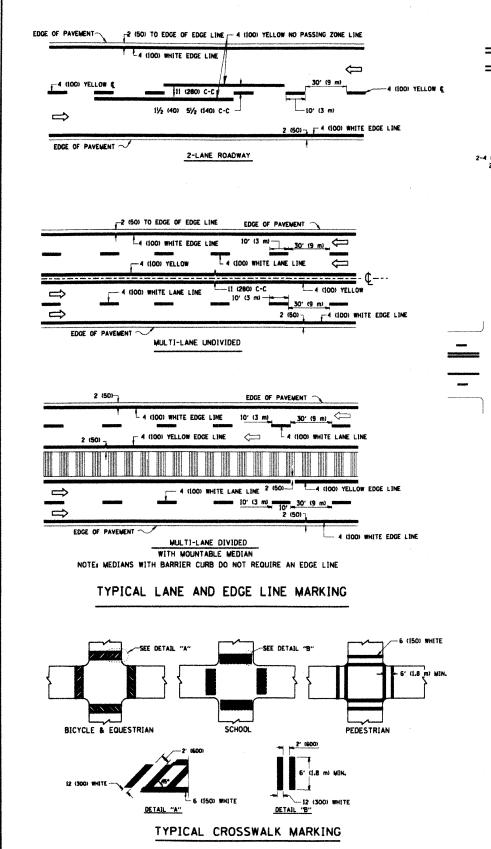
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701506, STD. 701506 OR THE APPROPRIATE STANDARD, THE SPACING OF SIGHS AND BARRICANES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE BIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN HO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS AME TO BE CHITTED ON DRIVEWAY LIRESS OTHERWISE MOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, BITERSECTIONS, AND BRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

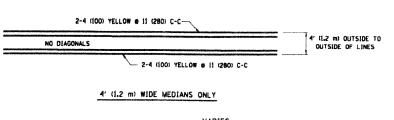
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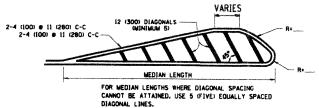
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LHA	6/89	TRAFFIC CONTROL AND PROTECTION
T. RAMMACHER	09/08/94	INVESTIGATION AND ENGINEERING
J. OBERLE	10/18/95	FOR
A. HOUSEH	03/06/96	CIDE BOADE THITEDEROTIONS AND
A. HOUSEN	10/15/96	SIDE ROADS, INTERSECTIONS, AND
T. RAMMACHER	01/06/00	DRIVEWAYS
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FILE NAME =	USER NAME = gaglianobt	DESIGNED -	D.A.D.	REVISED - 03-15-01			nieroies (ME STARBARD RETAILS	F.A.P. SECTION	COUNTY TOTAL SHEET
Wi\dietatd\22x34\te85.dgn		DRAWN -	R.W.P.	REVISED - BUR. TRAFFIC 01-01-02	STATE OF ILLINOIS		manner (ME STANDARD DETAILS	THE	[JINGC13] 140. [
	PLOT SCALE = 50,0000 '/ IN.	CHECKED -	D.A.Z.	REVISED -	DEPARTMENT OF TRANSPORTATION		1	TC-10	379 08-00187-00-BT	COOK 10 9
i .					Primital of Hadeblassins				4	CONTRACT NO. 63229
l	PLOT DATE = 1/4/2008	DAIL -	05-30-00	REVISED -		SCALE: SHEET NO. 80020F	SHEETS STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. ALL	D PROJECT
								P:\	12887 ME87888. Var Var , Phill Codd \ WD6. USI	4 LUSI 4 \Shea \ 13TC 1801_DE TAIL S.ehr







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))

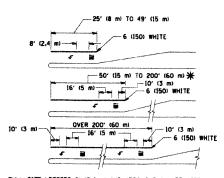
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE 4 (100) YELLOW LINES (8½ (140) C-C) A WINIMUM OF TWO PARTS AND AT 200 (40 m) INTERVALS



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



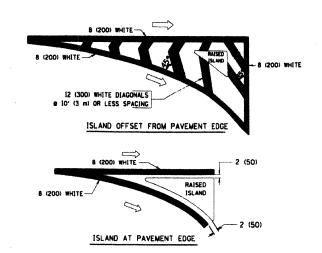
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

THE AREA = 15.6 SO. FT. (1.5 m²) MMV AREA = 20.8 SO. 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 R 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2: 8: 4 (100)	SOL ID SOL ID	AETT OM AETT OM	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 MARKINGSI	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)	SOL ID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW, EDGE LINES ARE NOT USED NEXT YO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID,	WHETE	SEE TYPICAL TURN LAME MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 e 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 6 6 (150) 12 (300) 8 45° 12 (300) 8 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (I.8 m) APART 2' (SOD) APART 2' (SOD) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CHOSSMALK, IF PRESENT. OTHERNISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CHOSSMOAD 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 WEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (500) 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) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "TR" IS 6' (1.8 ml LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"03.6 SD. FT. (0.33 m²) EACH "X"054.0 SO. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) e 45°	SOL ID	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) T0 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.

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FILE NAME =	USER NAME = gaglianabt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94		DAMES (AN ASI)	F.A. SECTION	COUNTY	TOTAL SHEE
Wi\distatd\22x34\to13.dgn		DRAWN	REVISED -A. HOUSEH 10-09-96	ISED -A. HOUSEH 10-09-96 STATE OF ILLINOIS ISED -A. HOUSEH 10-17-96 DEPARTMENT OF TRANSPORTATION TYPICAL PAVEMENT MARKINGS	RTE. 329 08-00187-00-BT	COOK	SHEETS NO.	
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96	DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	TC-13	CONTRACT	NO 62220
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOI	The same and the s	14U. 03229