02-28-14 LETTING ITEM 010

SHEET NO.	SHEET DESCRIPTION
1	TITLE SHEET, INDEX OF SHEETS., AND STATE STANDARDS
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	PLAN SHEETS, STA. 2+36 TO STA. 15+20
6	PLAN SHEETS, STA. 15+20 TO STA. 32+01
7	TRAFFIC SIGNAL PLAN (FOR REFERENCE ONLY)
8	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
9	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
10	BUTT JOINT AND HMA TAPER DETAILS
11	TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
12	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
13	TRAFFIC CONTROL & PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
14	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
15	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
16	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

STD. NO.	DESCRIPTION
000001-06	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-02	DEPRESSED CORNER FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442101-07	CLASS B PATCHES
602301-04	INLET - TYPE A
604001-03	FRAME AND LIDS, TYPE 1
606001-05	CONCRETE CURB, TYPE B, AND COMBINATION CONCRETE CURB AND GUTTER
701427-02	LANE CLOSURE, MULTILANE, INTERMETTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVISES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

TRAFFIC DATA

DESIGN DESIGNATION: COLLECTOR POSTED AND DESIGN SPEED 25 MPH ADT = 8,300 (2010)

J. U. L. I. E. TOLL FREE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

CALL 1 - 800 - 892 - 0123 OR 811

J. U. L. I. E. UTILITY LOCATION INFORMATION: SE1/4, SW1/4, NE1/4, NW1/4 - SECT. 21 VILLAGE OFFICIALS

GEORGE VAN DUSEN MAYOR PRAMOD C. SHAH MICHELE L. BROMBERG KAREN GRAY-KEELER TRUSTEE RALPH KLEIN TRUSTEE RANDALL E. ROBERTS EDIE SUE SUTKER TRUSTEE ILONKA ULRICH TRUSTEE ALBERT J. RIGONI MANAGER MICHAEL M. LORGE COUNSEL MAX SLANKARD DIRECTOR OF PUBLIC WORKS FREDERICK G. SCHATTNER DIRECTOR OF ENGINEERING

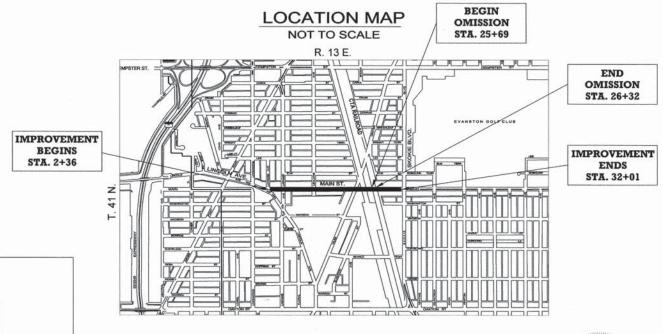
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY F.A.U. 1329 (MAIN STREET)

LINCOLN AVENUE TO SKOKIE BOULEVARD RESURFACING

SECTION: 12 - 00292 - 00 - RS PROJECT NO.: M-4003(056) VILLAGE OF SKOKIE, ILLINOIS COOK COUNTY

JOB NO.: C-91-474-12



GROSS LENGTH OF PROJECT = 2,965 FEET = 0.562 MILES NET LENGTH OF PROJECT = 2,902 FEET = 0.550 MILES

PROJECT LOCATIONS

INDICATED THUS

NORTH

F.A.U. SECTION COUNTY SHEETS NO.

1329 12-00292-00-RS COOK 16 1

CONTRACT NO. 61A09





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

AND DEFICE ENGINEER: CHARLES E RIDDLE P.E. (847)

CONTRACT NO. 61A09

GENERAL NOTES

- NOT ALL ITEMS PROVIDED IN THE SUMMARY OF QUANTITIES WILL BE UTILIZED IN THE EXECUTION OF THE CONTRACT. THE ENGINEER, AT HIS/HER DISCRETION, MAY INCREASE OR DECREASE THE ACTUAL QUANTITY BASED ON FIELD CONDITIONS. NO CHANGE IN UNIT PRICE WILL
- THERE SHALL BE NO CHARGE FOR ANY PERMITS REQUIRED BY THE VILLAGE OF SKOKIE TO PERFORM THE WORK AS SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ACOURING HIGHWAY PERMITS AS REQUIRED FOR ANY WORK DONE WITHIN THE RIGHT-OF-WAY OF COUNTY. COST OF PERMITS IS INCLUDED WITH THE CONTRACT.
- IF THE CONTRACTOR CHOOSES TO DISPOSE OF UNCONTAMINATED SOIL OR UNCONTAMINATED SOIL MIXED WITH CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) AT A CCDD FILL OPERATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL NECESSARY FIELD AND LABORATORY ANALYSIS AND TO OBTAIN THE LICENSED PROFESSIONAL ENGINEER'S CERTIFICATION REQUIRED AS PER PUBLIC ACT 96-1416 TO USE THE SITE. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

VILLAGE COORDINATION

- THE CONTRACTOR SHALL NOTIFY THE VILLAGE ENGINEER AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS AND TO THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OF MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE VILLAGE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF SKOKIE 72 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN MUNICIPAL UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO CONTACT THE VILLAGE PUBLIC WORKS DEPARTMENT UTILITY DIVISION FOR ALL WATERMAIN SHUTOFFS. UNDER NO CONDITION SHALL
- THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS WITHIN THE PROJECT AREA.
 WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
 IF THE CONTRACTOR CHOOSES TO USE VILLAGE WATER, HE SHALL SECURE A PERMIT FOR USAGE FROM THE SKOKIE PUBLIC WORKS DEPARTMENT, DIVISION OF WATER AND SEWER. THERE IS NO CHARGE FOR THE WATER USED; HOWEVER, THE AMOUNT MUST BE METERED AND RECORDED BY THE CONTRACTOR. THE CONTRACTOR SHALL USE THE HYDRANT(S) SPECIFIED BY THE WATER AND SEWER DIVISION. ONLY HYDRANT WRENCHES SHALL BE USED ON HYDRANTS.

MATERIAL INSPECTION

- ALL HOT-MIX ASPHALT AND P.C. CONCRETE MATERIALS USED ON THIS PROJECT SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S QC/QA REQUIREMENTS.
 - THE CONTRACTOR SHALL PROVIDE A REQUEST FOR MATERIAL TESTING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF MATERIALS ORDER BOARD (PHONE (847) 705-4337 OR FAX (847) 705-4529) BY 4 PM, 24-HOURS IN ADVANCE OF CONSTRUCTION FOR INSPECTION OF ALL HOT-MIX ASPHALT AND CONCRETE MATERIALS USED ON THIS PROJECT.
 - THE CONTRACTOR IS TO SUBMIT A QC PLAN FOR HMA AND CONCRETE MATERIALS TO THE QA MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OPERATIONS COMMENCING. THE QA MANAGER WILL APPROVE THIS PLAN AND COPY THE DISTRICT LOCAL ROADS OFFICE ON THE APPROVAL LETTER.
 - QC AND QA REPORTS FOR CONCRETE WILL BE SENT TO THE DISTRICT LOCAL ROADS OFFICE AFTER REVIEW AND APPROVAL BY THE QA MANAGER
 - QC REPORTS FOR BITUMINOUS MIXTURES WILL BE TRANSMITTED DIRECTLY BY THE CONTRACTOR DAILY DURING PRODUCTION. TH DISTRICT WILL PREPARE AND RETAIN THE QA PLANT REPORTS. THE QA FIELD REPORTS WILL BE SUBMITTED BY THE QA MANAGER TO THE DISTRICT VIA THE DISTRICT LOCAL ROADS OFFICE.

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTH OF EXISTING UTILITIES IF NECESSARY. THE CONTRACTOR SHALL ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM, IN ACCORDING WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE "STANDARD SPECIFICATIONS." THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL PROTECT EXISTING OR NEW UTILITIES BY METHODS APPROVED BY THE ENGINEER, AND HE SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY BUT THE COST SHALL BE INCLUDED IN THE CONTRACT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND RESTORE ANY UNDERGROUND CABLES, PIPES, MAINS, SPRINKLER SYSTEMS AND SIMILAR PUBLIC AND PRIVATE UNDERGROUND FACILITIES DISRUPTED OR DAMAGED BY THE CONTRACTOR. THIS WORK, AS REQUIRED, SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER AND THE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE CTA RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE CTA RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05. ANY WORK TAKING PLACE UPON THE RAILROAD RIGHT-OF-WAY OR STRUCTURE MUST FIRST BE COORDINATED WITH CTA PERSONNEL. CTA UTILIZES CONTINUOUS 600 VOLT DC IN ELECTRIFIED THIRD RAILS AT TRACK LEVEL, PRESENTING POTENTIALLY HAZARDOUS AND FATAL ARCING PROBLEMS. CONTACT MR. JIM HARPER, CHIEF ENGINEER OF CTA AT TELEPHONE 312-681-3960; OR DAN SCHIFFER, MANAGER

TRAFFIC CONTROL

FILE NAME =

- ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. IN ADDITION, ANY SIGNS WHICH ARE DAMAGED DURING CONSTRUCTION BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AND TO THE SATISFACTION OF THE ENGINEER
- ALL CONSTRUCTION PERSONNEL SHALL WEAR A FLUORESCENT LIME GREEN VEST AND ANY STATE REQUIRED SAFETY GEAR AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT EXCEPT FOR PERIODS OF SHORT DURATION, AS APPROVED BY THE ENGINEER. THE WORK SHALL BE IN ACCORDANCE WITH SECTION 402 OF THE STANDARD SPECIFICATIONS EXCEPT WHERE ROAD IS CLOSED DUE TO STAGE CONSTRUCTION.
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO POST "NO PARKING" SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE OF CONSTRUCTION.
- THIS WORK SHALL BE CONSIDERED INCLUDED WITH THE CONTRACT. SIGNS WILL BE SUPPLIED BY THE SKOKIE PUBLIC WORKS DEPARTMENT, TRAFFIC ENGINEERING DIVISION UPON REQUEST. THE SIGNS ARE SPECIALLY MADE FOR THE VILLAGE. THE CONTRACTOR SHALL RETURN ALL SIGNS AT THE COMPLETION OF THE WORK. THE CONTRACTOR MAY BE LIABLE FOR THE COST OF ANY SIGNS NOT RETURNED.
- LOCAL TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION OPERATIONS IN ACCORDANCE WITH THE PLANS, ARTICLE 107.14 AND SECTION 701 OF THE STANDARD SPECIFICATIONS. THE FURNISHING, INSTALLATION, MAINTENANCE, SURVEILLANCE, RELOCATION, AND SUBSEQUENT REMOVAL OF ALL SIGNS, TRAFFIC CONES, BARRICADES, WARNING LIGHTS, FLAGMEN, AND OTHER DEVICES WHICH ARE TO BE USED FOR THE PURPOSE OF REGULATING, WARNING, OR GUIDING TRAFFIC DURING THE CONSTRUCTION OF THIS IMPROVEMENT SHALL BE CONSIDERED INCLUDED WITH THE TRAFFIC CONTROL PAY ITEMS.
- 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE POST MOUNTED AND AT LOCATIONS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ARTICLE 701.14.

CONSTRUCTION

- THE CONTRACTOR SHALL NOT WORK ON SATURDAYS, SUNDAYS, AND HOLIDAYS OBSERVED BY THE VILLAGE, IN ADDITION TO AND IN ACCORDANCE WITH ARTICLE 107.09. IN ADDITION, THE VILLAGE MAY REQUEST RE-SCHEDULING OF WORK AROUND CERTAIN RELIGIOUS HOLIDAYS. THE CONTRACTOR SHALL NOT BEGIN WORK OR START UP ANY EQUIPMENT PRIOR TO 7:00 A.M. ALL WORK SHALL BE COMPLETED BY 5:00 P.M. DAILY AND AT 3:30 P.M. ON FRIDAYS AND DAYS BEFORE HOLIDAYS.
- ALL RADII ARE MEASURED TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE SHOWN ON THE PLANS
- THE CONTRACTOR SHALL SAW CUT FULL-DEPTH ALL PAVEMENT, CURB AND GUTTER, SIDEWALK, DRIVEWAY PAVEMENT, AND STRUCTURE ADJUSTMENTS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH SHOWN ON THE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. CARE SHALL BE TAKEN BY THE CONTRACTOR NOT TO DAMAGE THE REMAINING MATERIAL DIRECTLY ADJACENT TO THE MATERIAL TO BE REMOVED. ANY DAMAGE TO THE EXISTING MATERIAL RESULTING FROM THE MATERIAL REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE ITEM(S) BEING REMOVED.
- 24. EARTHWORK FOR SIDEWALK BASE REMOVAL AND REPLACEMENT SHALL NOT BE PAID FOR SEPARATELY. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR PORTLAND CEMENT CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED.
- THE AGGREGATE SUBGRADE IMPROVEMENT SHALL EXTEND ONE (1) FOOT FROM OUTSIDE THE BACK OF CURB AT ALL LOCATIONS UNLESS OTHERWISE RECOMMENDED BY THE ENGINEER. THE AGGREGATE BASE FOR THE CURB & GUTTER SHALL EXTEND 6" BEYOND THE EDGE OF
- 10' TRANSITIONS SHALL BE CONSTRUCTED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT.
- ALL DOWEL BARS, REBAR TIE BARS, ETC. FOR COMBINATION CONCRETE CURB & GUTTER SHALL BE EPOXY COATED AND INCIDENTAL TO THE INDIVIDUAL RESPECTIVE ITEMS.
- MONOLITHIC CONSTRUCTION OF ADJOINING PORTIONS OF CURB AND GUTTER AND SIDEWALK WILL NOT BE PERMITTED. CONCRETE CURB SHALL BE POURED USING BOTH FACE BOARDS AND BACK BOARDS. FREE FORMING OF THE CURB SHALL ONLY BE ALLOWED AT THI DISCRETION OF THE ENGINEER SHOULD THE QUALITY OF THE WORKMANSHIP AS DETERMINED BY THE ENGINEER BE UNACCEPTABLE, THE CONTRACTOR SHALL RESUME USING BOTH BACK BOARDS AND FACE BOARDS
- ALL CONCRETE SHALL BE SPADED OR VIBRATED TO THE SATISFACTION OF THE ENGINEER
 ANY SIDEWALK OR CURB POURED UNDER THIS CONTRACT THAT DOES NOT MEET ALL OF THE FOREGOING SPECIFICATIONS OR REQUIREMENTS, OR WHICH IS DEFACED, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE AND NO EXTRA COMPENSATION WILL BE AWARDED TO HIM FOR THE WORK. DEFACED OR DEFECTIVE WORK SHALL BE REMOVED OR REPLACED IN ITS ENTIRETY, NOT PIECEMEAL
- AS PART OF THE CONTRACT, DEPRESSED CURB AND GUTTER FOR THE HANDICAPPED MAY BE CONSTRUCTED AT THE ALLEY RETURNS AND INTERSECTIONS AS DIRECTED BY THE ENGINEER IN THE FIELD. CONSTRUCTION OF THE PROPOSED HANDICAPPED RAMPED SIDEWALKS SHALL BE IN STRAIGHT LINE GRADES AS DETERMINED BY THE LIMITS OF REMOVAL. ANY EXCAVATION REQUIRED TO CONSTRUCT THE PROPOSED SIDEWALK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE BINDER COURSE SHALL BE KEPT CLEAN UNTIL COVERED WITH THE SURFACE COURSE. ANY FOREIGN MATERIAL ON THE SURFACE OF THE BINDER COURSE SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. IF THE BINDER COURSE CANNOT BE CLEANED TO THE SATISFACTION OF THE ENGINEER, IT SHALL BE PRIMED AT NO ADDITIONAL COST TO THE VILLAGE.
- VILLAGE SHALL SUPPLY PAVER BRICKS IN AREAS WHERE THEY ARE DISTURBED BY REMOVAL OF CURB, DRIVEWAY OR SIDEWALK ACTIVITIES. BRICKS SHALL BE SET ON P.C.C. BASE, WHICH SHALL BE PAID FOR BY P.C.C. SIDEWALK, 5°. EXISTING BASE MAY BE REUSED IF UNDISTURBED BY REMOVAL ACTIVITIES. CROSS-SECTION OF BRICK AREA IS AS FOLLOWS: P.C.C. BASE, 1/4" MIXTURE FOR CRACKS, JOINTS & FLANGEWAYS, MASTIC, BRICK.

DRAINAGE STRUCTURES

- THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE THE PROPERTY OF THE VILLAGE OF SKOKIE AND SHALL BE DELIVERED TO THE PUBLIC WORKS
- ONLY PRECAST CONCRETE ADJUSTMENT RINGS WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. BRICK WILL NOT BE ALLOWED.
- THE COST OF CONNECTING PROPOSED STORM SEWERS TO EXISTING STORM SEWERS OR MANHOLES SHALL BE INCLUDED IN THE INSTALLATION OF THE STORM SEWERS. THIS WORK SHALL BE PERFORMED ACCORDING TO THE DETAIL 'STORM SEWER CONNECTION TO EXISTING STORM SEWER.
- ALL FRAME AND LIDS SHALL BE OF THE HEAVY DUTY CONSTRUCTION TYPI
- ALL LIDS FOR SANITARY MANHOLES SHALL HAVE SANITARY IMPRINTED ON THEM. ALL LIDS FOR STORM SEWER MANHOLES SHALL HAVE STORM IMPRINTED ON THEM
- ALL FRAME AND LIDS SHALL BE OF THE SELF-SEALING TYPE AND SHALL HAVE CONCEALED PICK-HOLES TO PREVENT THE INFLOW OF
- IN EXISTING CATCH BASINS AND INLETS, WHERE DIRECTED BY THE ENGINEER, MORTAR SHALL BE PLACED BETWEEN BRICKWORK AND THE EXISTING SEWER PIPE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER EACH FOR INLETS TO BE ADJUSTED, FRAMES AND GRATES TO BE ADJUSTED/RECONSTRUCTED, AND FRAMES AND GRATES TO BE ADJUSTED,

LANDSCAPE AND EROSION CONTROL

- IN ADDITION TO MEETING THE REQUIREMENTS OF ARTICLE 1081.05 OF THE STANDARD SPECIFICATIONS ALL FURNISHED TOPSOIL SHALL BE PROCESSED THROUGH A POWER SCREEN AND PLACED AT THE JOB SITE IN A PULVERIZED CONDITION. PULVERIZED TOPSOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISH AND PLACE, 4" TOPSOIL. TOPSOIL PLACEMENT IN EXCESS OF FOUR (4") INCHES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TOPSOIL FURNISH AND PLACE, 4".
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS DISTURBED ON THE SITE.
 STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION
- THE QUANTITY SHOWN FOR INLET FILTERS IS SUFFICIENT FOR ONE (1) SETUP. INLET FILTER CLEANING IS SUFFICIENT FOR 2 CLEANINGS OVER THE DURATION OF THE CONTRACT. THESE ITEMS ARE MEASURED AS EACH REGARDLESS OF TYPE OR CONFIGURATION USED.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITIONS AT ALL TIMES. EROSION CONTROL
- MEASURES SHALL BE INSPECTED WITHIN 24 HOURS OF ANY STORM OR EQUIVALENT SNOWFALL EXCEEDING 0.5 INCHES OF PRECIPITATION ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

SHEETS NO.

16

CONTRACT NO. 61A09

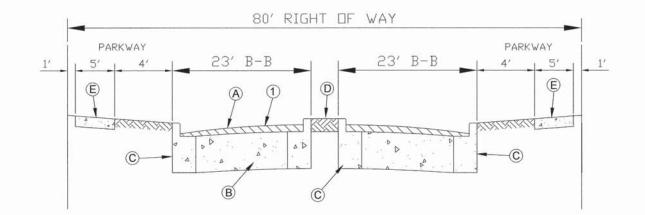
COOK

ALL CONCRETE PAVEMENT PATCHING MUST BE STEEL PLATED OVER THE PATCH TO ALLOW FOR TWO WAY TRAFFIC AT ALL TIMES. THE COST OF PLATING THE PATCHES SHALL BE INCLUDED WITH THE COST OF PAVEMENT PATCH

	SUMMARY OF QUANTITIES		TOTAL QUANTITIES
CODE NO.		UNIT	CONSTRUCTION CODE TYPE 0005
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	;
20101700	SUPPLEMENTAL WATERING	UNIT	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	1
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	26
40600300	AGGREGATE (PRIME COAT)	TON	
40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	8.
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2
40603335	HOT-MIX ASPHALT SURFACE COURSE - MIX "D", N50	TON	130
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	20
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	300
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	20
44000600	SIDEWALK REMOVAL	SQFT	300
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	10
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	10
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	10
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	-
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	
60260100	INLETS TO BE ADJUSTED	EACH	
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	

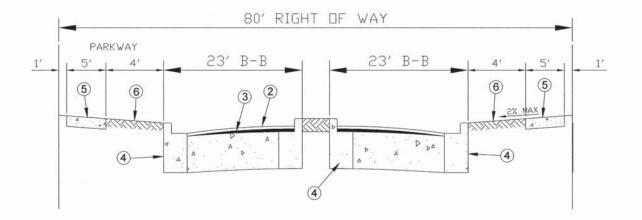
		SUMMARY OF QUANTITIES		TOTAL QUANTITIES
	CODE NO.		UNIT	CONSTRUCTION CODE TYPE 0005
1	67100100	MOBILIZATION	LSUM	
+	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	
1	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	29
1	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	36
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	156
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	38
*	78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	463.
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	602
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	81
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	90
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	39
*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	24
+	X2520700	SODDING, SPECIAL	SQ YD	25
+	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	320
+	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQYD	1518
+	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3
*	X8140115	HANDHOLE TO BE ADJUSTED	EACH	
+	Z0004544	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL		
+	Z0004544 Z0004562		SQ YD	405
+		COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	495
+	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	

ILE NAME =	USER NAME	DESIGNED	C.S.KITTAKA	REVISED	,
		DRAWN	C.S.KITTAKA	REVISED	١
	PLDT SCALE	CHECKED	E.P.COOK	REVISED	١
	PLOT DATE	DATE	DECEMBER 2013	REVISED	



EXISTING TYPICAL SECTION

STA. 02+81 - STA. 31+60, MAIN STREET



PROPOSED TYPICAL SECTION

STA. 02+81 - STA. 31+60, MAIN STREET

EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE (±3½")
- B P.C.C. PAVEMENT
- © COMBINATION CONCRETE CURB AND GUTTER
- (D) EXISTING LANDSCAPED MEDIAN
- **E** EXISTING SIDEWALK

PROPOSED IMPROVEMENTS:

- 1 HOT-MIX ASPHALT SURFACE REMOVAL (±2½")
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1½")
- ③ POLYMERIZED LEVEL BINDER (MACHINE METHOD), IL-4.75, N50, 0.75" 1", AS DETERMINED BY ENGINEER IN THE FIELD
- (4) COMBINATION CONCRETE CURB & GUTTER, REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
- (5) P.C.C. SIDEWALK TO BE REMOVED AND REPLACED (AS DETERMINED BY THE ENGINEER)
- SODDING AS REQUIRED

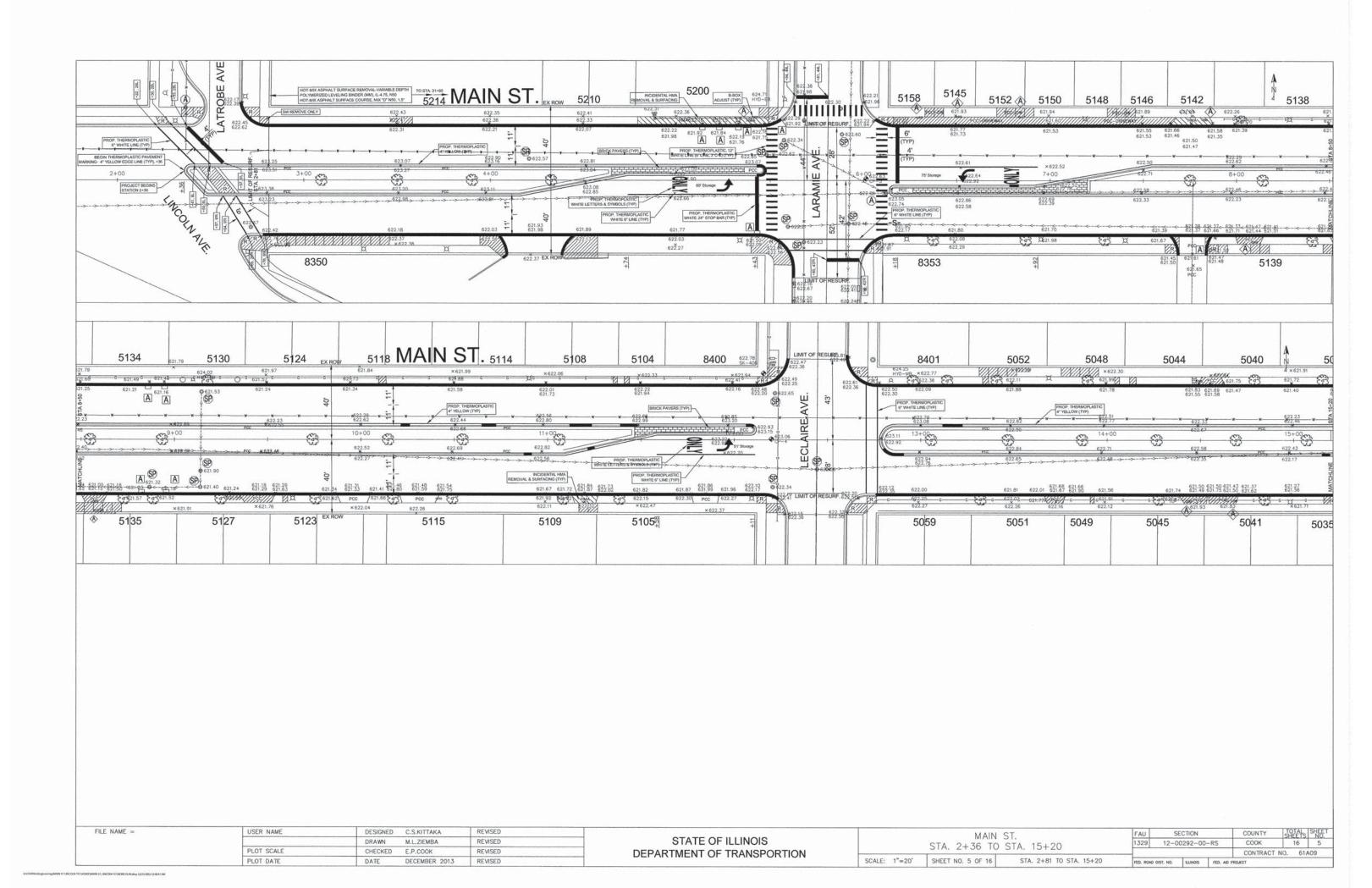
ITEM	AIR VOIDS
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1 1/2"	4% @ 50 Gyr.
POLYMERIZED LEVELING BINDER (Machine Method), IL-4.75, N50; 1"	3.5% @ 50 Gyr
DRIVEWAYS	
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 Gyr.

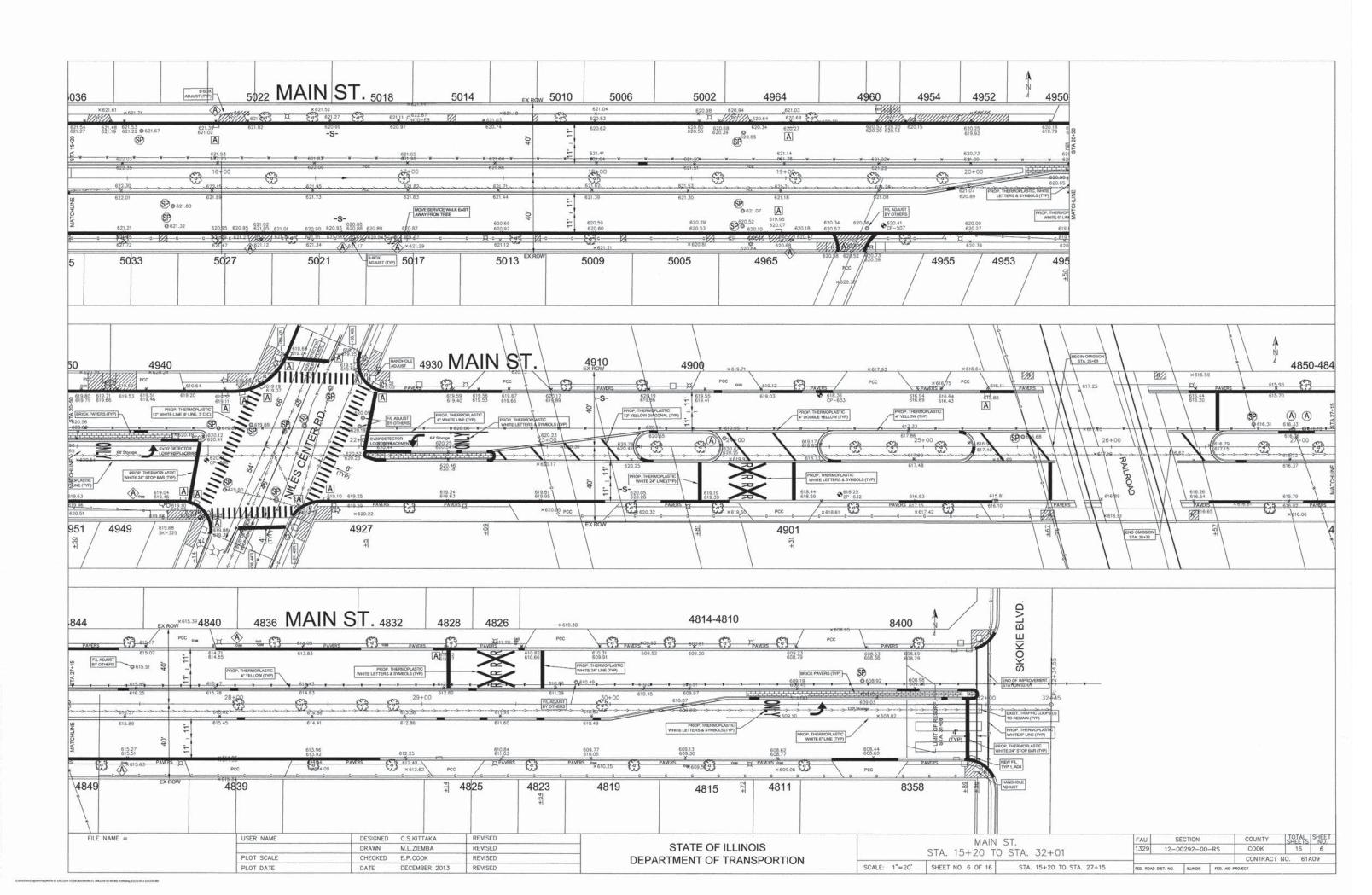
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS / SQ YD / IN.

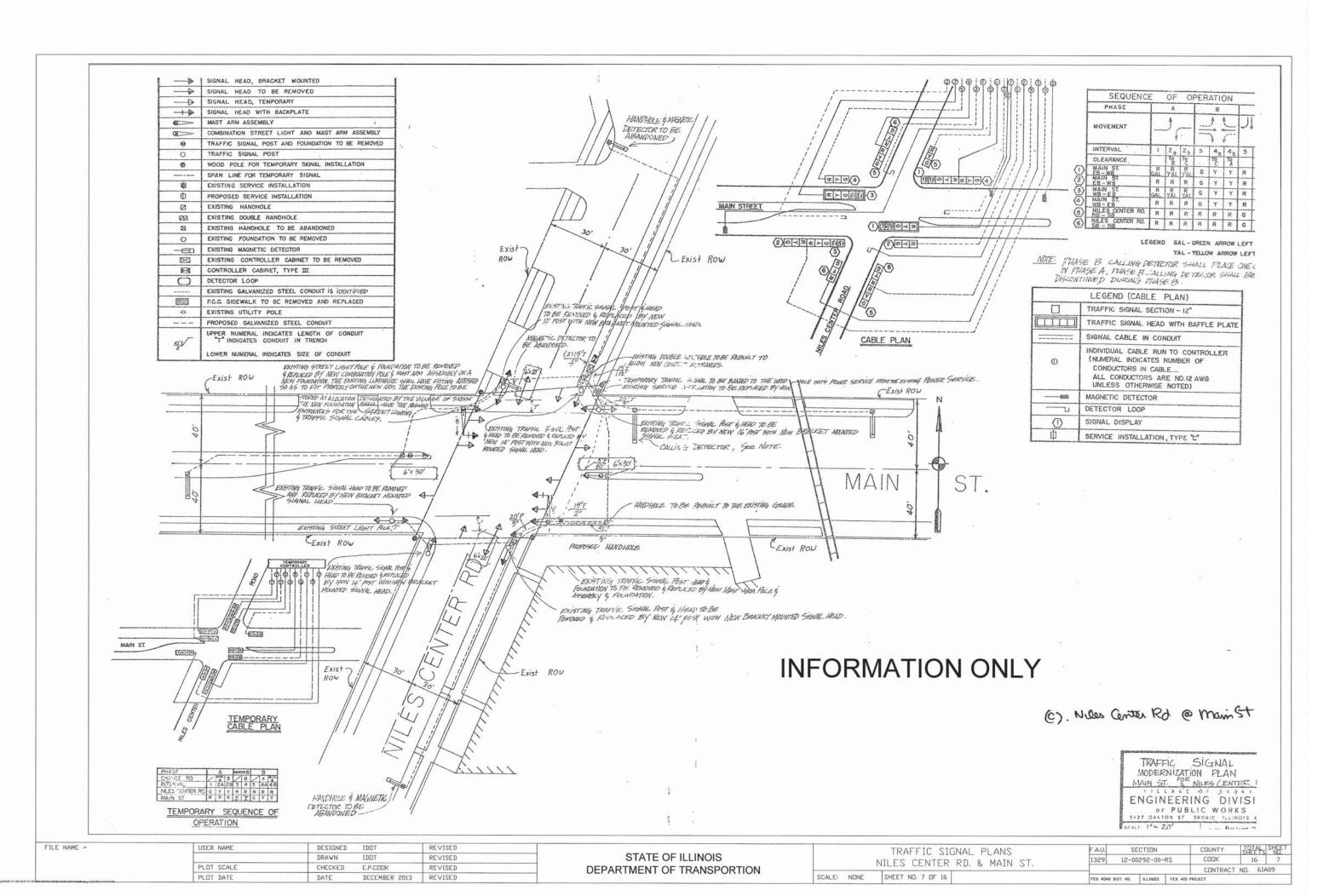
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

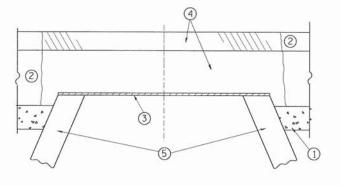
FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

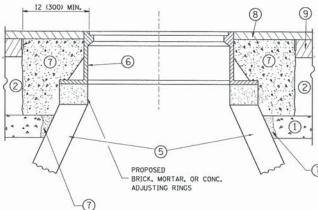
FILE NAME =	USER NAME	DESIGNED C.S.KITTAKA	REVISED			MAIN STREET	F.A.U.	SECTION	COUNTY	SHEET'S SHEET
1.0		DRAWN C.S.KITTAKA	REVISED	STATE OF ILLINOIS		TYDICAL SECTIONS	1329	12-00292-00-RS	CDDK	16 4
	PLDT SCALE	CHECKED E.P.COOK	REVISED	DEPARTMENT OF TRANSPORTION		LIPICAL SECTIONS			CONTRACT	T NO. 61A09
	PLOT DATE	DATE DECEMBER 2013	REVISED	DEFACTIMENT OF TRUMOFORMOR	SCALE: NONE	SHEET NO. 4 OF 16	FEB. ROAD	DIST. NO. BLLINDIS FEB. AN	D PROJECT	











NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED.
THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE. B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 11/2 (40)
 THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- * UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

- 1 SUB-BASE GRANULAR MATERIAL
- (6) FRAME AND LID (SEE NOTES)
- 2 EXISTING PAVEMENT
- 7 CLASS PP-1* CONCRETE
- 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

BASIS OF PAYMENT:

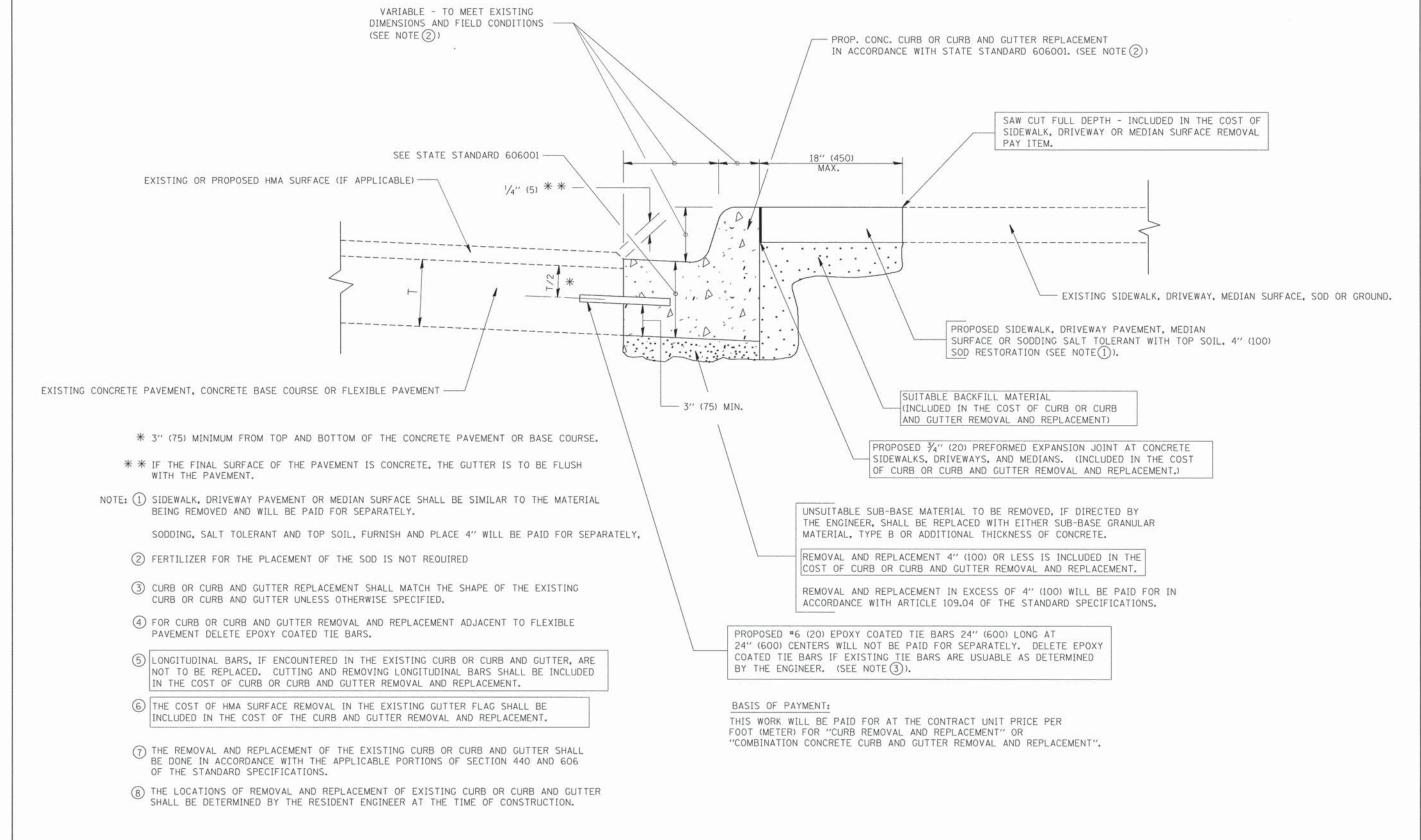
REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

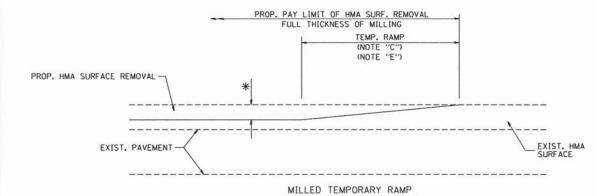
FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04				F.A	SECTION	COUNTY	TOTAL SHE
c:\pw_work\pwidot\bauerd1\d0108315\bd08.	ign .	DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS	\$200 PATRONIA A C. C.	DETAILS FOR	RTE.			SHEETS NO.
	PLOT SCALE = 1968.5080 '/ m	CHECKED -	REVISED - R. BORO 03-09-11	DEPARTMENT OF TRANSPORTATION	FRAMES	AND LIDS ADJUSTMENT WITH MILLING	1527	12-00292 -00-R5	COOK	16 B
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11		SCALE: NONE SHEET NO	. 8 OF 16 SHEETS STA. TO STA.	FED. F	BD600-03 (BD-8) OAD DIST. NO. 1 ILLINOIS FED.		T NO. 61409



CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

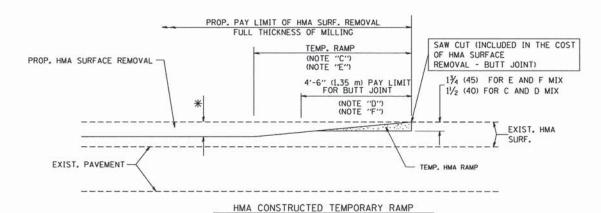
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96			CURR OR CURR AND CUTTER		F.A.	SECTION	COUNTY	TOTAL SHEET
c:\p=_work\p=idot\drivekesgn\d0108315\l	d24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS		CURB OR CURB AND GUTTER		1329 1	-00292 -00-RS	COOK	16 9
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	DEPARTMENT OF TRANSPORTATION		REMOVAL AND REPLACEMENT		R	D600-06 (BD-24)	CONTRAC	T NO. 61A09
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE	SHEET NO.9 OF 16 SHEETS STA.	TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED	. AID PROJECT	



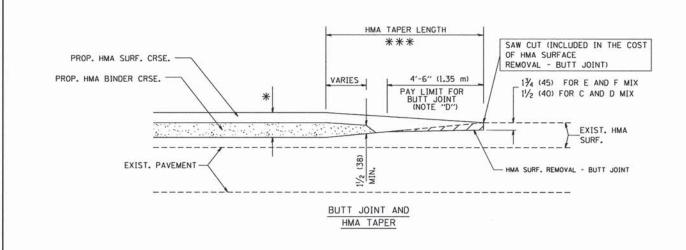
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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

06-13-90

DESIGNED - M. DE YONG

DRAWN

CHECKED

DATE

USER NAME = gaglianobt

PLOT SCALE = 50,0000 1/ IN.

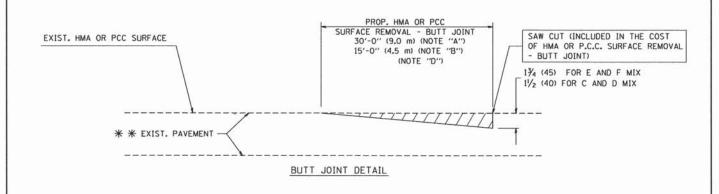
PLOT DATE * 1/4/2008

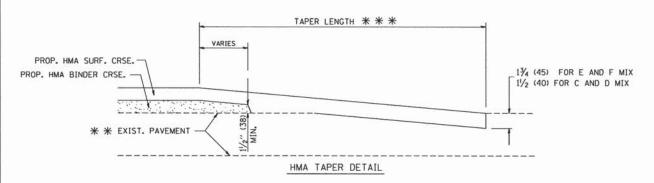
FILE NAME =

/1\diststd\22x34\bd32,dgn

REVISED - R. SHAH 10-25-94 REVISED - A. ARBAS 03-21-97 REVISED - M. GOMEZ 04-06-01 REVISED - R. BORO 01-01-07

SECTION BUTT JOINT AND 1329 12-00292-00-RS HMA TAPER DETAILS BD400-05 BD32 SHEET NO. 10 OF 16 SHEETS STA. TO STA.





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

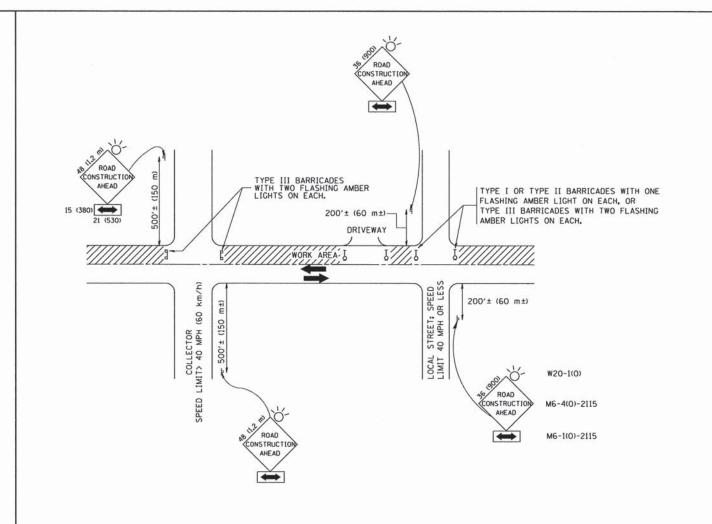
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-O" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

COOK 16 10 STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 61A09 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



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

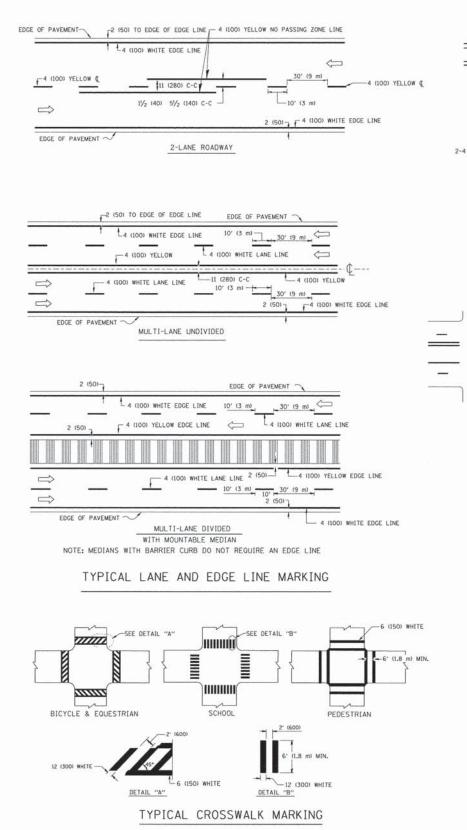
NOTES:

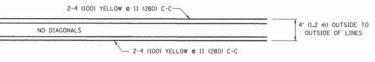
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 × 36 (900×900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN 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 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION,
- 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).

- 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.

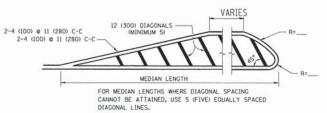
All dimensions are in millimeters (inches) unless otherwise shown,

FILE NAME =	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95			TRACEIC CONTROL AND DR	OTECTION FOR	F	.A	SECTION	COUNTY	TOTAL SHEET
W:\diststd\22x34\tal0.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96	STATE OF ILLINOIS	1	TRAFFIC CONTROL AND PR		1	329	2-00292 -00-RS	COCY	SHEETS NO.
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96	DEPARTMENT OF TRANSPORTATION		SIDE ROADS, INTERSECTIONS,	AND DRIVEWAYS	F	52.	TC-10	CONTRACT	T NO. 61A09
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 11 OF 16 SHEETS	STA. T	STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED.		no. ener



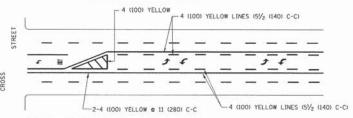


4' (1.2 m) WIDE MEDIANS ONLY



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

MEDIANS OVER 4' (1.2 m) WIDE

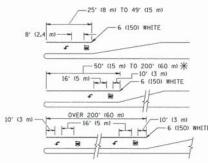


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR.
ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

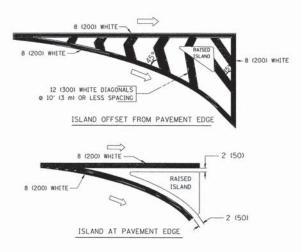


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SO. FT. (1.5 m²) \P AREA = 20.8 SO. FT. (1.9 m²)

** 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 ABROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: OR ONE DIRECTION OR BOTH DIRECTIONS	4 (100) 2 e 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE II (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
ANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
OOTTED LINES EXTENSIONS OF CENTER, LANE OR FURN 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
FURN 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 0 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (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 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (I.8 m) APART 2' (500) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4" (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSMALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	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	II (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIACONALS: 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 (0VER 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 SO. FT. (0.33 m ²) EACH "X"=54.0 SO. 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) T0 45MPH (70 km/h) 150' (45 m) C-C (0VER 45MPH (70 km/h))

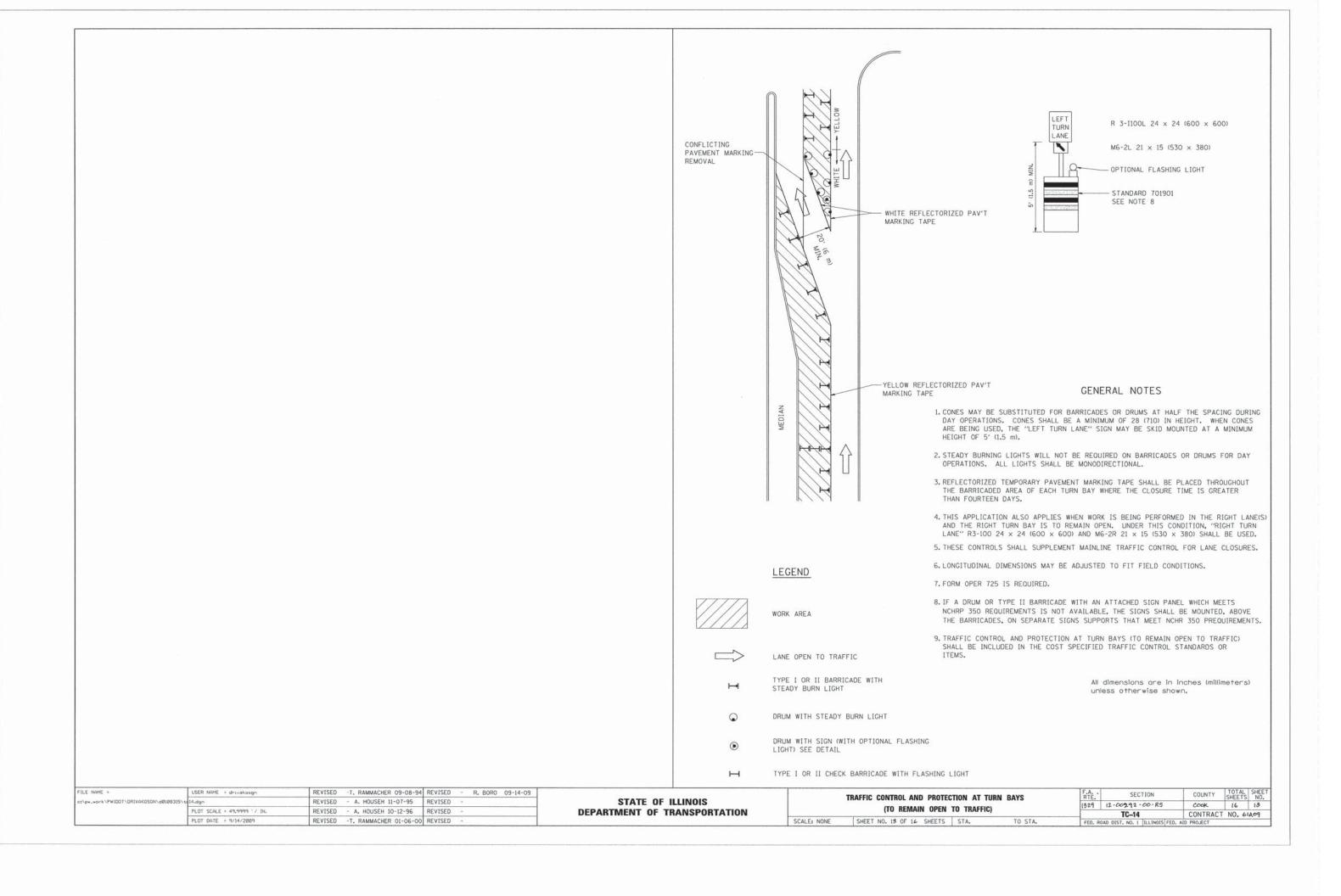
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

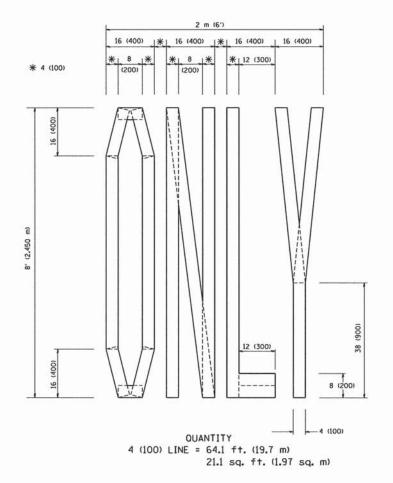
All dimensions are in inches (millimeters) unless otherwise shown.

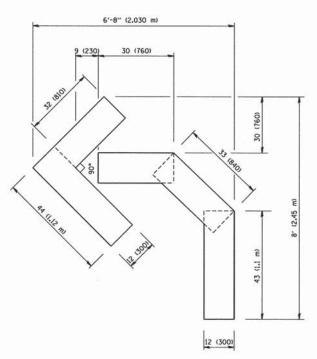
FILE NAME = USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-9
c:\pw_work\pwidot\drivekosgn\d8188315\tc 3.dgn	DRAWN -	REVISED -C. JUCIUS 09-09-0
PLOT SCALE = 50.000 " / IN.	CHECKED -	REVISED -
PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISEO -

STATI	E 01	FILLINOIS
DEPARTMENT	0F	TRANSPORTATION

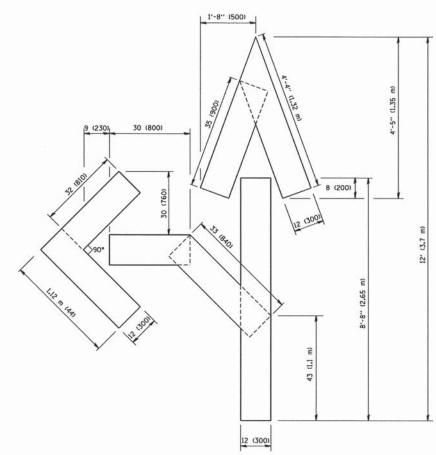
	DISTRICT OF	NE		F.A RTE.	SECTION	COUNTY	SHEETS	SHEET NO.
	TYPICAL DAVEMENT	MADVINCE		1329	12-00292-00-RS	COOK	16	12
TYPICAL PAVEMENT MARKINGS					TC-13	CONTRACT NO. 61409		
SCALE: NONE	SHEET NO. 12 OF 16 SHEETS	TO STA.	FED. ROAD DIST, NO. 1 ILLINOIS FED. AID PROJECT					







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



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

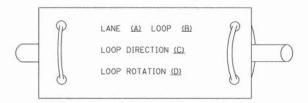
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	20 - A-C - A-C - C VI (21 DAY C 1001 TO 1004)	DAVEMENT MADVING LETTEDS AND SYMPOLS		F.A.	• SECTION	COUNTY TOTAL SHEET
Waldatetd\22x34\ta16.dgn		DRAWN -	REVISED -T. RAMMACHER 11-04-97	STATE OF ILLINOIS	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			1329 12-00292-00-RS	SHEETS NO.
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -		DEPARTMENT OF TRANSPORTATION				TC-16	CONTRACT NO. 61A09
Harris and the second	PLOT DATE = 1/4/2008 DATE - 09-18-94 REVISED -E. GOMEZ 08-28-00		SCALE: NONE	SHEET NO. 14 OF 16 SHEETS STA. TO ST	TA. FED.	ROAD DIST. NO. 1 ILLINOIS FED.			

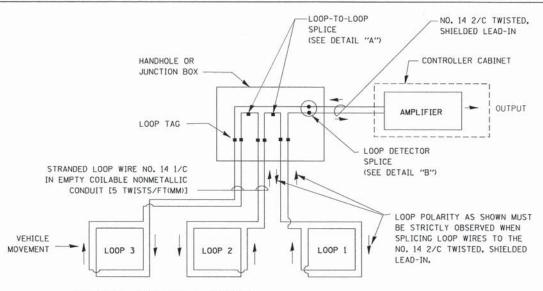
LOOP DETECTOR NOTES

- 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 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

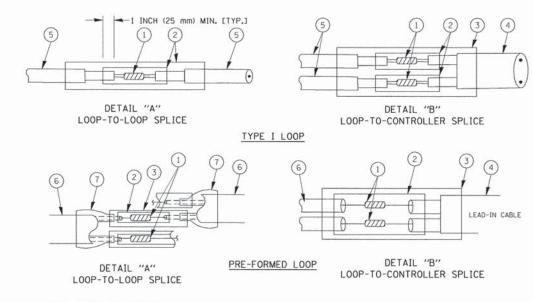


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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

- 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
- XL POLYOLEFIN 2 CONDUCTOR
- BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME :	USER NAME = bouerdl	DESIGNED - DAD	REVISED -			DISTRICT ONE	F.A	SECTION	COUNTY	TOTAL	SHEET
c:\pw_work\PWIDOT\BAUERDL\d0108315\ts05	dgn	DRAWN - BCK	REVISED -	STATE OF ILLINOIS	1		1229	12-00292-00-R5	COOK	16	15
1	# USER NAME = bouerd1 \text{VPWIDOT\BAUERDL\d0100315\tx05} dgn PLDT SCALE = 50.0000 ' / IN, PLOT DATE = 11/4/2009	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION		STANDARD TRAFFIC SIGNAL DESIGN DETAILS	1021	TS-05	CONTRAC	T NO. 6	61A09
entropies and the second	PLOT DATE * 11/4/2009	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 16 OF 16 SHEETS STA. TO STA.	FED. RO	AD DIST. NO. 1 ILLINOIS FED.	AID 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 10' (1.5 m) (1.5 m) * 10' (3.0 m) (1.5 m) * 10' (3.0 m) 10' (3.0 m) * = (600 mm)

* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS

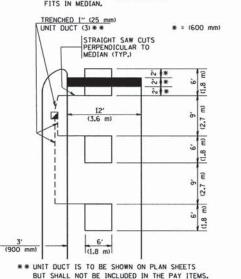
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY
VARY DEPRODING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS,
HEAVY-DILTY HANDHOLD ES TO BE

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.

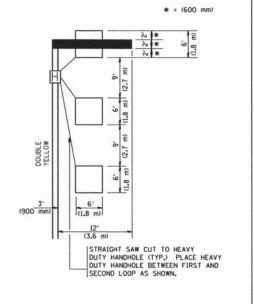


NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO

PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

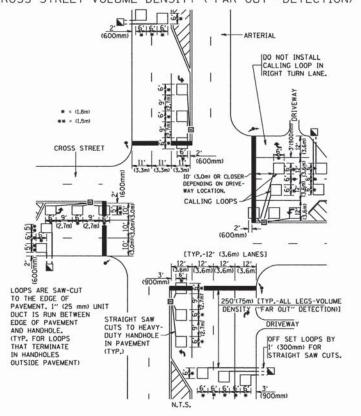


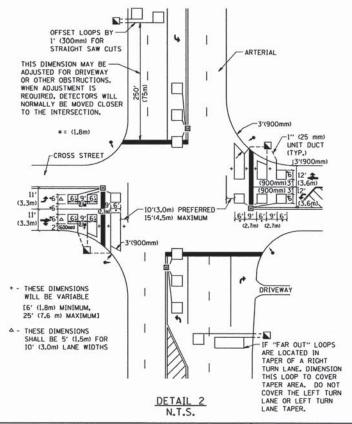
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

SCALE: NONE

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.

		14.1.3.		
FILE NAME :	USER NAME = gaglianobt	DESIGNED -	REVISED -	
Wr\distatd\22x34\ts87.dgn		DRAWN -	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -	
	PLOT DATE : 1/4/2008	DATE -	BEVISED -	To the State of th

DETAIL 1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	DISTRICT 1 - DET	ECTOR L	OOP INSTAL	LATION	F.A. SECTION		COUNTY	TOTAL	SHEET NO.	
					1329	12-00292-00-R5	COOK	16	16	
DETAILS FOR ROADWAY RESURFACING						TS-07	CONTRACT NO. 61A09			
	SHEET NO. 16 OF 16	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					