

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	1
ILLINOIS PROJECT		M-9003 (986)		
CONTRACT NO.		63762		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID PROJECT
FAU ROUTE 2722 (MAPLE AVENUE)
RESURFACING
47th STREET TO BURLINGTON AVENUE
SECTION NO. 12-00126-00-RS
PROJECT M-9003 (986)
VILLAGE OF BROOKFIELD
COOK COUNTY
JOB NO. C-91-339-12**

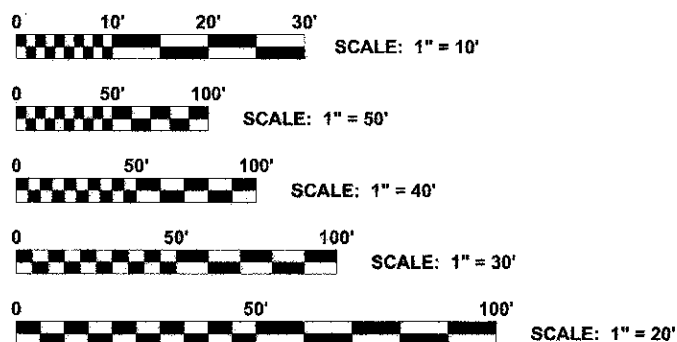


LOCATION OF SECTION INDICATED THIS:

TRAFFIC DATA
ADT (2012) = 8,500
POSTED SPEED LIMIT = 30 MPH
DESIGN SPEED LIMIT = 35 MPH

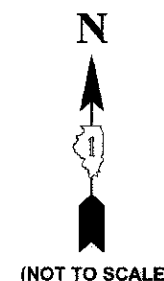
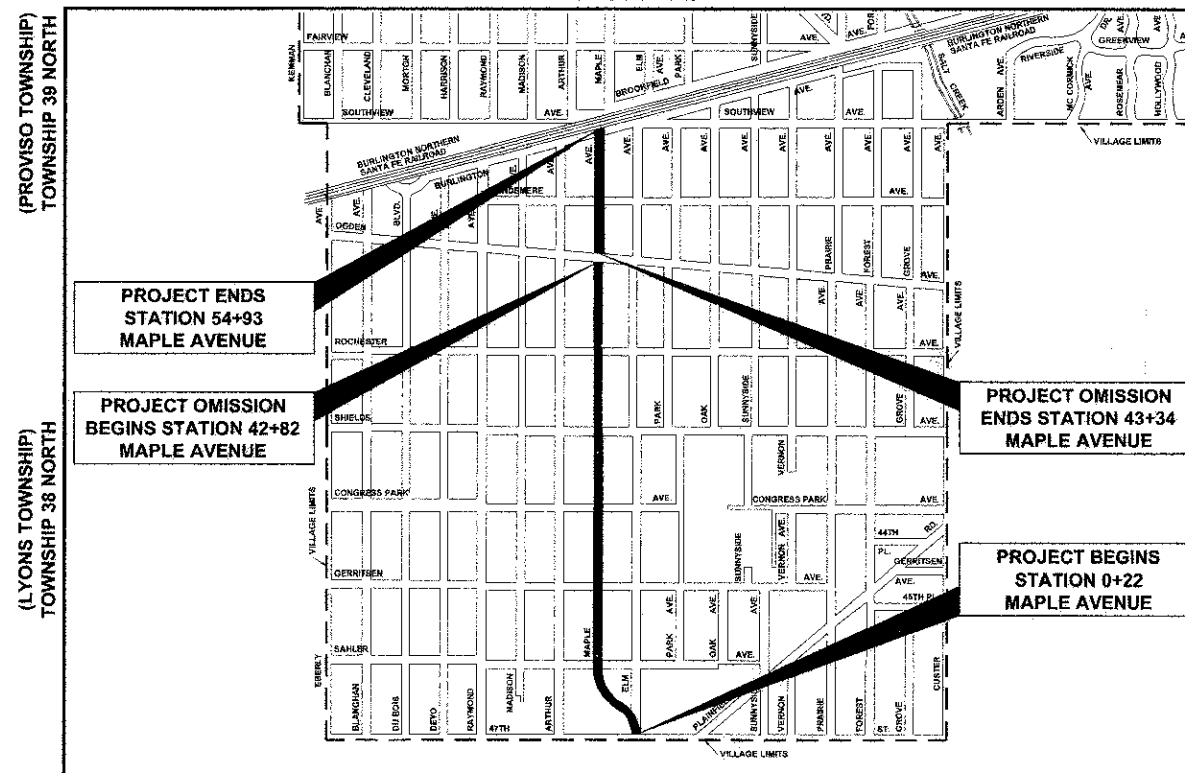
DESIGN DESIGNATION
COLLECTOR

PROJECT LOCATED IN
THE VILLAGE OF BROOKFIELD



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.

LOCATION MAP
RANGE 12 EAST



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 10/18 2012
Mary Ann
VILLAGE OF BROOKFIELD, PRESIDENT

PASSED November 8 2012
Chet
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED
REVIEW November 8 2012
Edwin Hancock
DEPUTY DIRECTOR OF HIGHWAYS,
REGION 1 ENGINEER



CONTRACT NO. 63762

SECTIONS 3 (LYONS TOWNSHIP) & 34 (PROVISO TOWNSHIP), 3RD PRINCIPAL MERIDIAN

- AREA OF IMPROVEMENT
GROSS LENGTH OF IMPROVEMENT = 5,471 FT = 1.036 MI
NET LENGTH OF IMPROVEMENT = 5,419 FT = 1.026 MI

DATE SIGNED: 10-18-12
LICENSE EXPIRES: 11-30-13

EDWIN HANCOCK ENGINEERING COMPANY
9933 ROOSEVELT ROAD PHONE: (708) 865-0300
WESTCHESTER, ILLINOIS 60154



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET, LOCATION MAP
2	INDEX OF SHEETS, LEGEND OF SYMBOLS, AND I.D.O.T. STANDARD DRAWINGS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6-7	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
8	DETAILS & NOTES
9-11	MAINTENANCE OF TRAFFIC PLAN
12-16	PAVING / PAVEMENT MARKING PLANS
17	TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT PLAN
18	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD 08)
19	CURB AND GUTTER REMOVAL AND REPLACEMENT (BD 24)
20	BUTT JOINT AND HMA TAPER DETAILS (BD 32)
21	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC 10)
22	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC 13)
23	TRAFFIC CONTROL AND PROTECTIONS AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC 14)
24	DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR TRAFFIC STAGING (TS 07)
25	PAVEMENT MARKING LETTERS AND SYMBOLS FOR ROADWAY RESURFACING (TC 16)
26	ARTERIAL INFORMATION SIGN (TC 22)

I.D.O.T. STANDARD DRAWINGS

STANDARD NO.	TITLE OR DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-01	MID BLOCK CURB RAMPS FOR SIDEWALKS
424021-01	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C&D PATCHES
604001-03	FRAMES AND LIDS, TYPE 1
701011-03	OFF-ROAD MOVING OPERATIONS, 2-LANE, 2-WAY, DAY ONLY
701301-04	LANE CLOSURE, 2-LANE, 2-WAY, SHORT-TIME OPERATIONS
701311-03	LANE CLOSURE, 2-LANE, 2-WAY, MOVING OPERATIONS, DAY ONLY
701501-06	URBAN LANE CLOSURE, 2-LANE, 2-WAY, UNDIVIDED
701502-05	URBAN LANE CLOSURE, 2-LANE, 2-WAY, BI-DIRECTIONAL LEFT TURN LANE
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-06)

SYMBOL	DESCRIPTION
	EXISTING HOT-MIX ASPHALT AREA
	EXISTING CONCRETE AREA
	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	EXISTING CONCRETE SIDEWALK OR DRIVEWAY REMOVAL
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY, 8" DRIVEWAY
	PROPOSED HOT-MIX ASPHALT PAVING AREA
	PROPOSED CLASS D PATCHES
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
RC	STRUCTURE TO BE RECONSTRUCTED
	EXISTING DOMESTIC WATER SERVICE BOX
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING TRAFFIC SIGNAL POLE
	EXISTING TRAFFIC SIGNAL MAST ARM
	EXISTING HANDHOLE
	DOUBLE HANDHOLE
	EXISTING TRAFFIC SIGNAL OR STREET LIGHT CONTROLLER
	EXISTING TRAFFIC SIGNAL MANHOLE
	EXISTING CURB AND GUTTER
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

Drawing file: W:\Projects\1251182 - Maple Ave Resurfacing\INDEX.dwg Nov 16, 2012 - 2:36pm

HANCOCK ENGINEERING
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

5923 Roosevelt Road
 Wheaton, Illinois 60154-2780
 Phone: 708/945-8390
 Fax: 708/945-1312

DESIGNED - --	REVISED - --
DRAWN - LEV, DMM	REVISED - --
CHECKED - --	REVISED - --
DATE - 10-18-12	REVISED - --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, I.D.O.T. STANDARD
 DRAWINGS, AND LEGEND OF SYMBOLS**

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. - TO STA. -

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	2
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63762 FED. AID PROJECT M-9003(986)		

E.H.E. PROJECT NO. 125-11-18201

GENERAL NOTES

STANDARDS

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AS SHOWN ON THE INDEX OF SHEETS IN THE PLANS. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2013, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2009 SIXTH EDITION, AND THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

UNDERGROUND UTILITIES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

THE LOCATIONS OF THE UNDERGROUND UTILITIES IF SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF BROOKFIELD, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BROOKFIELD.

FRAMES AND GRATES

THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

ON ALL IMPROVEMENTS, 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 TO REMAIN THE PROPERTY OF THE VILLAGE OF BROOKFIELD AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF BROOKFIELD PUBLIC WORKS YARD LOCATED AT 4545 EBERLY AVENUE.

MANHOLE OR VALVE COVERS

THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAINTAIN AT ALL TIMES FLOW THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. HE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. EXISTING STRUCTURES ARE TO BE INSPECTED BEFORE CONSTRUCTION STARTS - ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

MAINTENANCE OF EXISTING DRAINAGE STRUCTURES

WHEN DURING THE CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF ANY GUTTERS AND DRAINAGE STRUCTURE SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS DUE TO CONSTRUCTION OPERATIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

OPEN EXCAVATIONS

THE CONTRACTOR WILL NOT BE ALLOWED TO LEAVE ANY EXCAVATION NECESSARY FOR PAVEMENT PATCHES OR STRUCTURE ADJUSTMENTS OPEN OVERNIGHT. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR INSTALLING A PLATE OVER ALL EXCAVATIONS AT THE END OF EACH DAY.

CONCRETE BREAKERS

WHEN REMOVING PAVEMENT AND/OR OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY APPROVED MEANS OR AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE COST OF SAW CUTTING DESCRIBED ABOVE SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

THIS ITEM ONLY PERTAINS TO STRUCTURES LOCATED IN THE CONCRETE OR HOT-MIX ASPHALT ROADWAY PAVEMENT AREAS THAT WILL REQUIRE CONCRETE OR HOT-MIX SURFACE REMOVAL. THE ENGINEER WILL MARK IN THE FIELD ALL STRUCTURES TO BE ADJUSTED UNDER THIS ITEM. SEE DETAIL SHEET FOR "FRAMES AND LIDS ADJUSTMENT WITH MILLING."

PRIME COAT

PRIME COAT MUST BE INSTALLED NO EARLIER THAN TWENTY-FOUR (24) HOURS PRIOR TO PLACEMENT OF HOT-MIX ASPHALT.

FIELD OFFICE

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER OR THE VILLAGE.

BUTT JOINTS

A BUTT JOINT WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

MILLED PAVEMENT OPEN TO TRAFFIC

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)

PAVING OPERATIONS

CONTRACTOR MUST PAVE MAPLE AVENUE IN A MAXIMUM OF 2 PASSES. IF THE CONTRACTOR IS NOT ABLE TO COMPLETE ALL THE PAVING IN ONE (1) DAY, THE LONGITUDINAL JOINT SHALL BE SAWCUT PRIOR TO PAVING THE SECOND PASS, AND SEALED UPON COMPLETION OF PAVING.

PAVEMENT PATCHING

LOCATIONS OF CLASS D PATCHES ON PLANS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN FIELD BY ENGINEER. CLASS D PATCHES LOCATED WITHIN THE THROUGH LANES OF MAPLE AVENUE OR ANY CROSS STREET SHALL BE MADE ACCESSIBLE TO TRAFFIC AT THE END OF EACH WORK DAY. THE CONTRACTOR WILL NOT BE ALLOWED TO ROUTE TRAFFIC INTO THE PARKING LANE OUTSIDE OF NORMAL WORKING HOURS.

SCHEDULE OF ROAD CLOSURES AND MAINTENANCE OF TRAFFIC

MAPLE AVENUE WILL REMAIN OPEN TO THRU TRAFFIC DURING ALL OPERATIONS PRIOR TO INSTALLATION OF HOT-MIX ASPHALT SURFACE. THE ROAD SHALL THEN BE CLOSED FOR THE INSTALLATION OF THE HOT-MIX ASPHALT SURFACE AND THERMOPLASTIC STRIPING, AND A DETOUR SHALL BE PROVIDED. MAPLE AVENUE WILL BE CONSIDERED AS TWO INDEPENDENT SECTIONS WITH REGARD TO ROAD CLOSURE, THE SECTIONS BEING 47TH STREET TO OGDEN AVENUE AND OGDEN AVENUE TO BURLINGTON AVENUE, RESPECTIVELY. ONLY ONE SECTION SHALL BE CLOSED AT A TIME AND UNDER NO CIRCUMSTANCE SHALL BOTH SECTIONS BE CLOSED SIMULTANEOUSLY. AFTER THE HOT-MIX ASPHALT SURFACE HAS BEEN INSTALLED ON ONE SECTION, THE STRIPING WORK SHALL BE COMPLETED AT THAT LOCATION THE FOLLOWING DAY. AFTER THE STRIPING WORK IS COMPLETED AT THAT LOCATION, THE SECTION OF ROAD SHALL THEN BE REOPENED AND THE CONTRACTOR MAY PROCEED WITH WORK ON THE REMAINING SECTION.

LIMITATION OF OPERATIONS

THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION ON THIS PROJECT PRIOR TO MAY 6, 2013. THE CLOSURES OF MAPLE AVENUE FOR THE PLACEMENT OF HOT-MIX ASPHALT SURFACE COURSE AND THE INSTALLATION OF THERMOPLASTIC PAVEMENT MARKINGS SHALL NOT OCCUR PRIOR TO JUNE 12, 2013.

Drawing file: W:\Projects\12511182 - Maple Ave Resurfacing\INDEX.dwg Nov 16, 2012 - 8:59am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

2933 Riverfront Road
 Moline, Illinois 61554-2780
 Phone: 788-845-8200
 Fax: 788-865-1213

DESIGNED --	---	REVISED --	---
DRAWN --	LEV, DMM	REVISED --	---
CHECKED --	---	REVISED --	---
DATE --	10-18-12	REVISED --	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS
2722	12-00126-00-R5	COOK	28
			NO. 3
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63762
			FED. AID PROJECT M-9003(986)
E.H.E. PROJECT NO. 125-11-16201			

SUMMARY OF QUANTITIES

CODE	PAY ITEM	UNIT	TOTAL QTY	CONSTRUCTION TYPE CODE	
				RESURFACING 0005 60% FEDERAL 40% LOCAL	RESURFACING 0043 100% LOCAL
* ~ 20800150	TRENCH BACKFILL	CU YD	35	0	35
21101615	TOPSOIL FURNISH & PLACE, 4"	SQ YD	550	550	0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10	0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10	0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10	0
25200100	SODDING	SQ YD	550	550	0
25200200	SUPPLEMENTAL WATERING	UNIT	10	10	0
40201000	AGGREGATE TEMPORARY ACCESS	TON	80	80	0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	4,800	4,800	0
40600300	AGGREGATE (PRIME COAT)	TON	100	100	0
~ 40800400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	40	40	0
40600825	LEVELING BINDER (MACHINE METHOD), N50	TON	350	350	0
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD) N50	TON	990	990	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	500	500	0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50	TON	2,700	2,700	0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10	0
42101300	PROTECTIVE COAT	SQ YD	960	960	0
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	150	150	0
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	35	35	0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	3,000	3,000	0
~ 42400800	DETECTABLE WARNINGS	SQ FT	500	500	0
44000100	PAVEMENT REMOVAL	SQ YD	15	15	0
~ 44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	185	185	0
~ 44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	1,650	1,650	0
~ 44000600	SIDEWALK REMOVAL	SQ FT	3,000	3,000	0
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	1,700	1,700	0
~ 44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	10	10	0
~ 44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	130	130	0
~ 44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	80	80	0
~ 44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	500	500	0

* DENOTES SPECIALTY ITEM
 ~ DENOTES THAT A SPECIAL PROVISION HAS BEEN PROVIDED

Drawing file: W:\Projects\1251152 - Single Ave Resurfacing\MDCX.dwg Rev: 10/16/2012 - 9:59am

 HANCOCK ENGINEERING ♦ Civil Engineers ♦ Municipal Consultants ♦ Established 1911	9933 Skovvold Road Westchester, Illinois 60154-4780 Phone: 708/905-4090 Fax: 708/905-1212	DESIGNED -- --- DRAWN -- LEV, DMM CHECKED -- --- DATE -- 10-18-12	REVISED -- REVISED -- REVISED -- REVISED --
---	--	--	--

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. - FC STA. -

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	4
CONTRACT NO. 63762			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(986)	
E.N.E. PROJECT NO. 125-11-16201				

SUMMARY OF QUANTITIES

CODE	PAY ITEM	UNIT	TOTAL QTY	CONSTRUCTION TYPE CODE	
				RESURFACING 0005	RESURFACING 0043
				60% FEDERAL 40% LOCAL	100% LOCAL
~ 60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1	0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	19	19	0
~ 60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	19	19	0
~ 60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	57	57	0
~ 60604100	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12(MODIFIED)	FOOT	450	450	0
~ 60604700	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18(MODIFIED)	FOOT	1,200	1,200	0
67100100	MOBILIZATION	L SUM	1	1	0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,000	2,000	0
* 78000100	THERMOPLASTIC PAVEMENT MARKING-LETTER & SYMBOLS	SQ FT	240	240	0
* 78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4	FOOT	13,000	13,000	0
* 78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6	FOOT	1,900	1,900	0
* 78000500	THERMOPLASTIC PAVEMENT MARKING-LINE 8	FOOT	100	100	0
* 78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12	FOOT	640	640	0
* 78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24	FOOT	400	400	0
*~ 88600600	DETECTOR LOOP REPLACEMENT	FOOT	400	400	0
*~ XX006448	PVC COMBINED SEWER PIPE REPLACEMENT 10"	FOOT	18	0	18
*~ XX006451	10"X6" PVC SEWER SERVICE CONNECTIONS	EACH	1	0	1
~ X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	24,000	24,000	0
~ X6026624	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	1	1	0
~ X6020399	CONNECTION TO EXISTING MANHOLE	EACH	2	2	0
~ X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	55	55	0
~ X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	0
~ Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	0
*~ Z0056800	SANITARY SEWER 6"	FOOT	30	0	30
*~ Z0057100	SANITARY SEWER 12"	FOOT	14	0	14

* DENOTES SPECIALTY ITEM
 ~ DENOTES THAT A SPECIAL PROVISION HAS BEEN PROVIDED

Drawing file: W:\Projects\12511152 - Maple Ave Resurfacing\WDEX.dwg Nov 16, 2012 4:49pm



Civil Engineers
Municipal Consultants
 Established 1911

9923 Rivercrest Blvd
 Westchester, Illinois 60154-2796
 Phone: 708/665-0090
 Fax: 708/665-1312

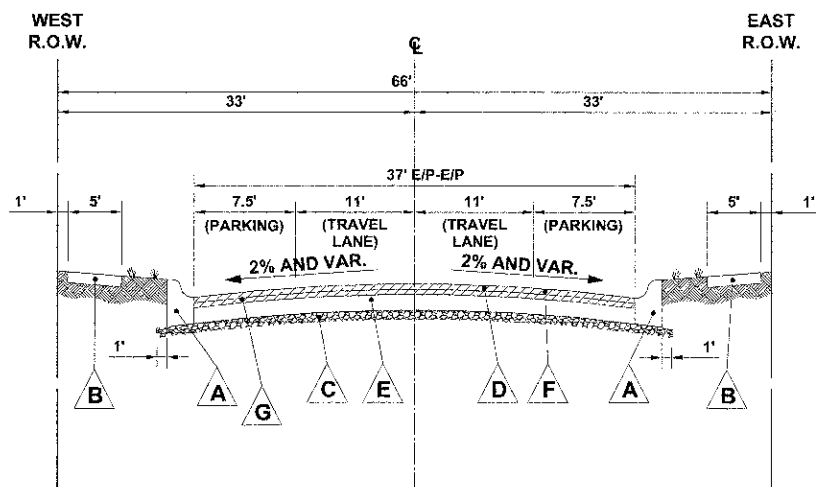
DESIGNED --	---	REVISED --	---
DRAWN --	LEV, DMM	REVISED --	---
CHECKED --	---	REVISED --	---
DATE --	10-18-12	REVISED --	---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

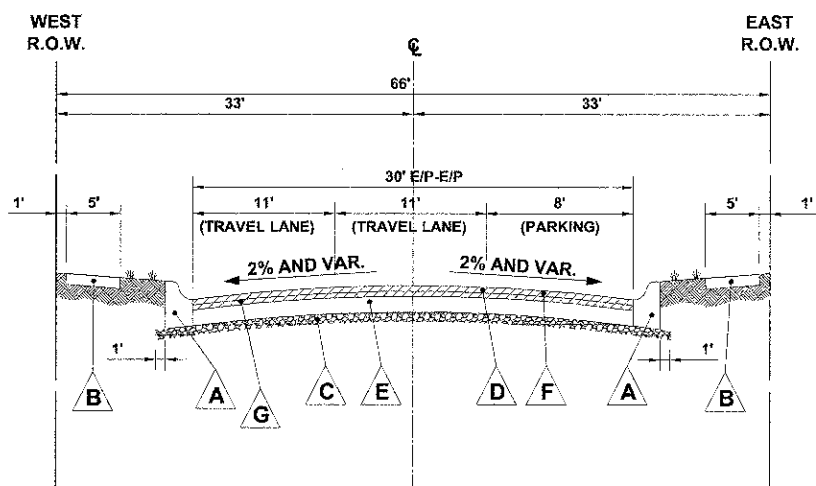
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	5
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63762	
FED. AID PROJECT M-9003(986)			E.H.E. PROJECT NO. 125-11-16201	



**EXISTING TYPICAL SECTION
MAPLE AVENUE
(STATION 0+22 TO STATION 27+65)
(STATION 43+34 TO STATION 54+93)**



**EXISTING TYPICAL SECTION
MAPLE AVENUE
(STATION 27+65 TO STATION 42+82)**

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18 & TYPE B-6.12
	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5"
	EXISTING SUB-BASE GRANULAR MATERIAL, 4" AND VARIABLE
	EXISTING HOT-MIX ASPHALT SURFACE COURSE, 2"
	EXISTING 12" HOT-MIX ASPHALT BASE COURSE
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (TYPICAL REMOVAL DEPTH CONSISTS OF 1" AT CROWN, 2 1/2" AT EDGE OF PAVEMENT)
	EXISTING HOT-MIX ASPHALT BINDER COURSE, 2"

Drawing file: W:\Projects\12511162 - Maple Ave Resurfacing\TYP-SEC.dwg Nov 16, 2012, 9:20am

HANCOCK ENGINEERING
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Rosserd Road
 Wheeling, Illinois 60154-3780
 Phone: 708/865-0399
 Fax: 708/865-4312

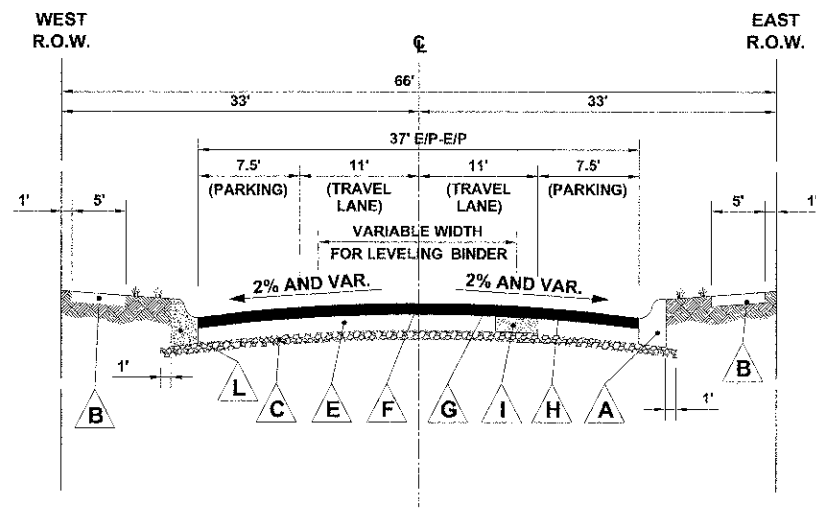
DESIGNED - ---	REVISED - ---
DRAWN - LEV, DMM	REVISED - ---
CHECKED - ---	REVISED - ---
DATE - 10-18-12	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTIONS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

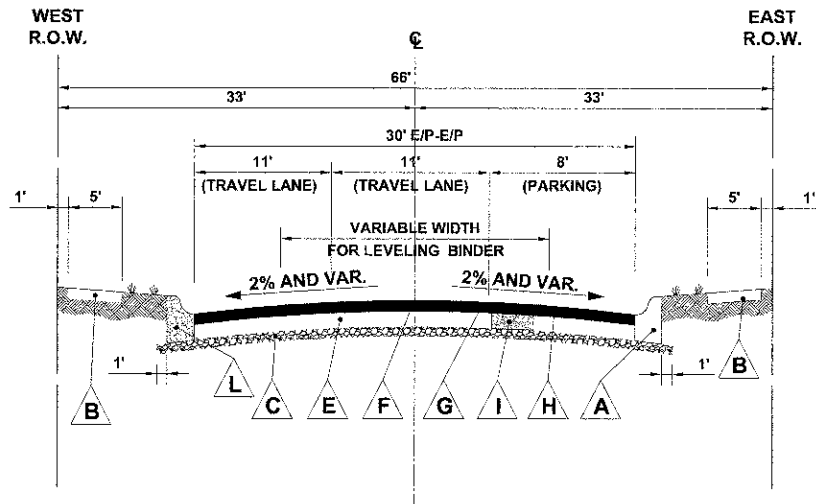
F.A.R. RTE. 2722	SECTION 12-00126-00-RS	COUNTY COOK	TOTAL SHEETS 20	SHEET NO. 6
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63762		
FED. AID PROJECT M-9003(986)				
E.H.E. PROJECT NO. 125-11-16201				



**PROPOSED TYPICAL SECTION
MAPLE AVENUE
(STATION 0+22 TO STATION 27+65)
(STATION 43+34 TO STATION 54+93)**

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
A	EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18 & TYPE B-6.12
B	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5"
C	EXISTING SUB-BASE GRANULAR MATERIAL, 4" AND VARIABLE
E	EXISTING HOT-MIX ASPHALT BASE COURSE
F	PROPOSED LEVELING BINDER (MACHINE METHOD), N50, 1/2" AVERAGE
G	PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50, 3/4"
H	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"
I	PROPOSED CLASS D PATCHES, 12"
L	PROPOSED INTERMITTENT COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT



**PROPOSED TYPICAL SECTION
MAPLE AVENUE
(STATION 27+65 TO STATION 42+82)**

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS

ITEM	VOIDS
MAPLE AVENUE - RESURFACING POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, 3/4"	3.5% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL 9.5mm), 2"	4% @ 50 GYR.
LEVELING BINDER (MACHINE METHOD), N50 (IL 9.5mm), 1/2" AVERAGE	4% @ 50 GYR.
INCIDENTAL HOT-MIX ASPHALT SURFACING HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL 9.5mm), 3"	4% @ 50 GYR.
CLASS D PATCHES HMA BINDER (IL 19mm), 12" (2 LIFTS)	4% @ 70 GYR.

THE CONTRACTOR SHALL MILL PRIOR TO PLACING HOT-MIX ASPHALT.

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

THE "AC-TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR 76-22" 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 PROVISION.

Drawing file: W:\Projects\12511192 - Maple Ave Resurfacing\TYPSEC.dwg No: 16, 2012 - 9:20am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

5923 Roosevelt Road
 Westchester, Illinois 60154-3780
 Phone: 708/965-0390
 Fax: 708/965-1212

DESIGNED - ---	REVISED - ---
DRAWN - LEV, DMM	REVISED - ---
CHECKED - ---	REVISED - ---
DATE - 10-18-12	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

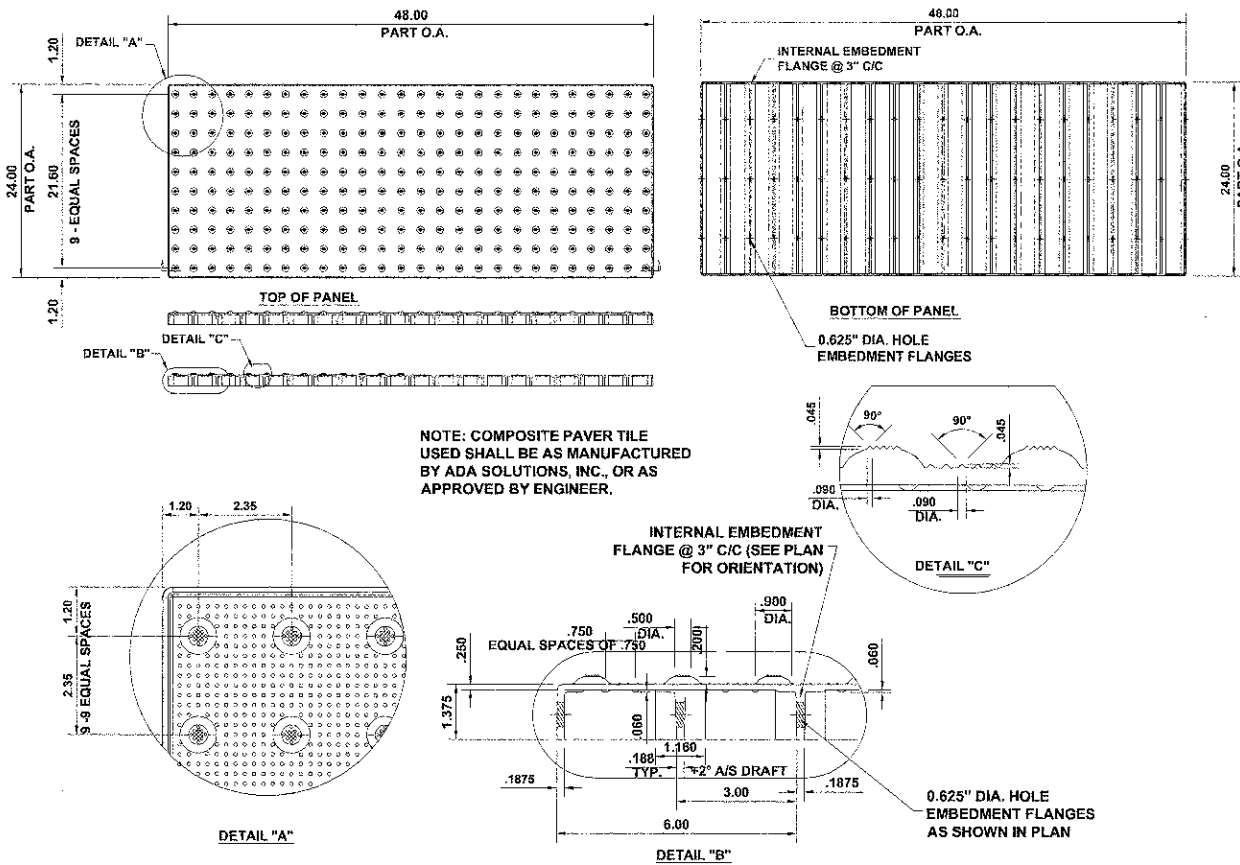
PROPOSED TYPICAL CROSS SECTIONS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

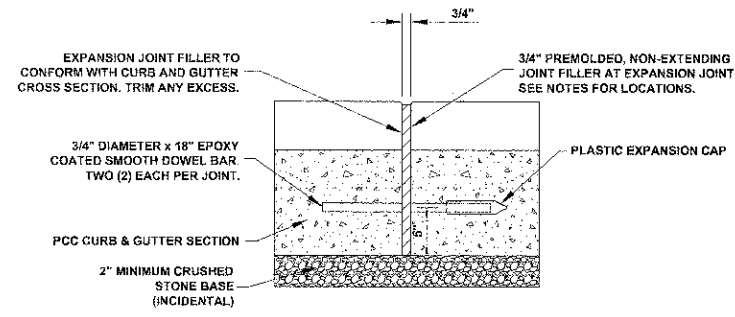
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	7
CONTRACT NO. 63762				
FED. ROAD DIST. NO. 1 ILLINOIS				
FED. AID PROJECT M-9003(986)				
E.H.E. PROJECT NO. 125-11-16201				

M.W.R.D.G.C. GENERAL NOTES

1. THE MWRD SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK AT (708) 588-4055.
2. ELEVATION DATUM IS U.S.G.S.
3. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
4. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE INTO THE STORM SEWER SYSTEM.
5. ALL PVC SEWER PIPE SHALL BE SDR 26. ALL PVC SEWER PIPE JOINTS SHALL CONFORM TO ASTM D-3139 FOR PVC PIPE 12" IN DIAMETER OR LESS. ALL PVC SEWER PIPE JOINTS SHALL CONFORM TO ASTM D-3212 FOR PVC PIPE 15" IN DIAMETER OR MORE. ALL PVC SEWER PIPE 12" IN DIAMETER OR LESS SHALL CONFORM TO ASTM D-2241 (WATER QUALITY PIPE). ALL PVC SEWER PIPE 15" IN DIAMETER OR MORE SHALL CONFORM TO ASTM D-3034.
6. ALL D.I.P. STORM, COMBINED AND SANITARY SEWER PIPE JOINTS SHALL CONFORM TO ANSI A-21.11. ALL D.I.P. SEWER PIPE SHALL CONFORM TO ASTM A-21.51. ALL D.I.P. SEWER PIPE SHALL BE CLASS 52.
7. ALL SANITARY, COMBINED, AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS, REQUIRES STONE BEDDING 1/4" TO 1" IN SIZE, WITH A MINIMUM THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR INCHES (4") NOR MORE THAN EIGHT INCHES (8"). MATERIAL SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE.
8. "BAND SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPE OF DISSIMILAR MATERIALS.
9. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
 - a) CIRCULAR SAW-CUT OF SEWER MAIN BY MECHANICAL CORING MACHINE, AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION. AFTER THE WYE OR TEE BRANCH IS INSERTED, CONCRETE SHALL BE PLACED OVER THE BROKEN AREA TO A MINIMUM THICKNESS OF 4" AND TO A DIMENSION OF 8" IN ALL DIRECTIONS.
 - c) USING PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING. USE "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD FIRMLY IN PLACE. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION.
10. WHEREVER A SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
11. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE PRE-CAST REINFORCED CONCRETE.
12. ALL ABANDONED SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FEET LONG, NON-SHRINK CONCRETE/MORTAR PLUG.
13. ALL INLET AND OUTLET PIPES OF SANITARY SEWER MANHOLES AND OTHER UNDERGROUND STRUCTURES (AND IN COMBINED SEWER AREAS, ALSO ALL COMBINED/STORM SEWER MANHOLES, CATCH BASINS, INLETS, AND UNDERGROUND DETENTION STORAGE STRUCTURES) SHALL BE JOINED WITH WATERTIGHT FLEXIBLE RUBBER CONNECTORS CONFORMING TO A.S.T.M. C-443 & C-823 WITH STAINLESS STEEL BANDS.
14. THE MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION IS 100 GAL/DAY/MILE/INCH DIA OF THE SEWER PIPE.

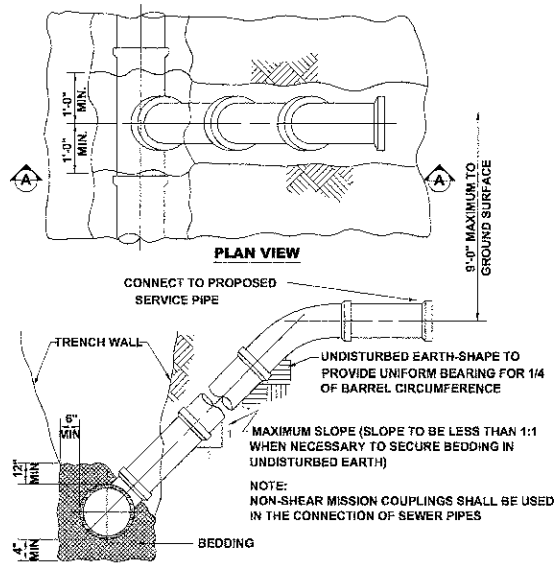


CAST-IN-PLACE COMPOSITE PAVER TILE FOR DETECTABLE WARNING

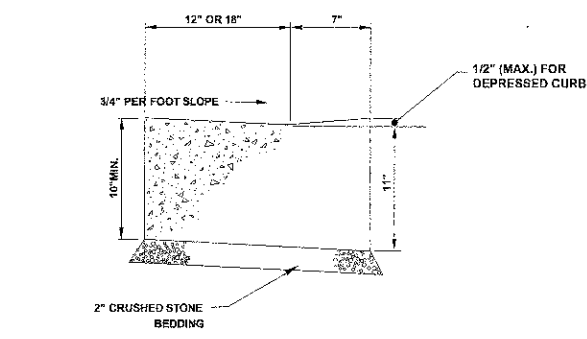


TYPICAL CURB AND GUTTER EXPANSION JOINT

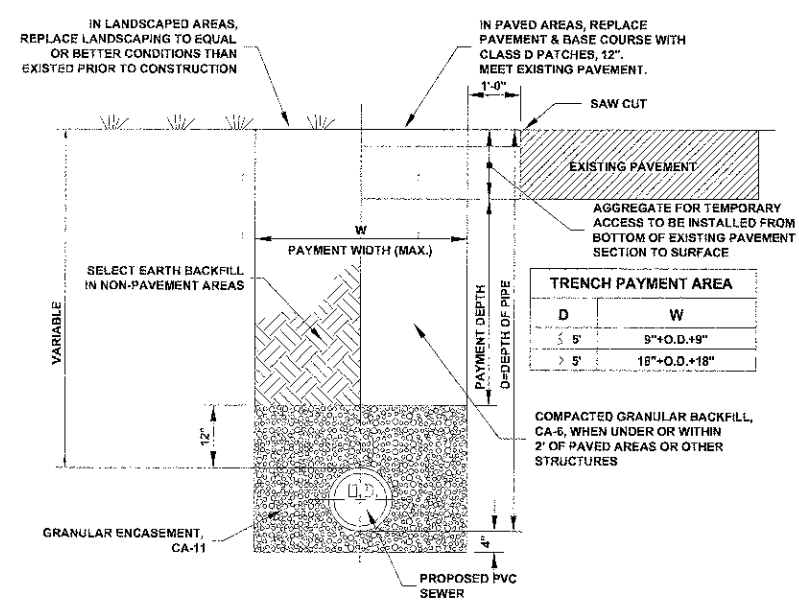
NOTE:
 1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PCS & PTS OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS. CONSTRUCTION JOINTS, EVERY 50' ON TANGENT SECTIONS, AND AS DIRECTED BY THE ENGINEER.



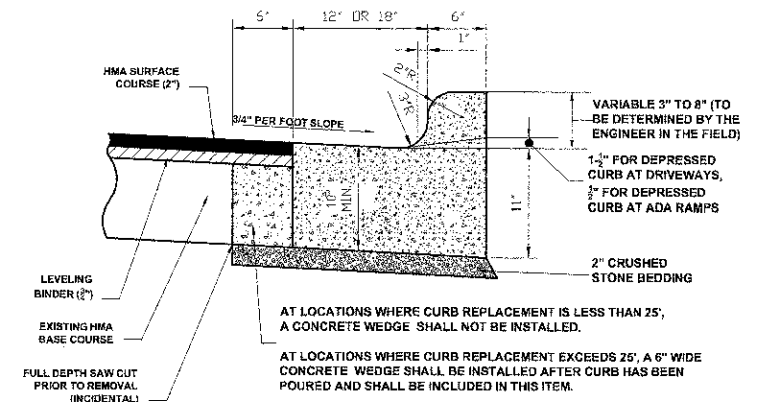
TYPICAL RISER FOR SERVICE LATERAL



CURB AND GUTTER AT A.D.A. RAMPS



TYPICAL PVC SEWER TRENCH DETAIL



COMBINATION CONCRETE CURB & GUTTER TYPE B-6.18 (MODIFIED) AND COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)

Drawing file: W:\Projects\12511182 - Maple Ave Resturfacing\LETA\5.dwg Nov 16, 2012 8:14am

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

9933 Rossmore Road
 Wheeling, Illinois 60454-4700
 Phone: 708/965-6500
 Fax: 708/965-1212

DESIGNED	---	REVISED	---
DRAWN	LEV, DMM	REVISED	---
CHECKED	---	REVISED	---
DATE	10-18-12	REVISED	---

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS AND NOTES

SCALE	NONE	SHEET NO.	1 OF 1 SHEETS	STA.	TO STA.	F.A.D. RTE.	2722	SECTION	12-00126-00-RS	COUNTY	COOK	TOTAL SHEETS	26	SHEET NO.	B
												CONTRACT NO.	63762		
												FED. ROAD DIST. NO.	1 ILLINOIS		
												FED. AID PROJECT	M-9003(986)		
												E.H.E. PROJECT NO.	125-11-16201		

Drawing file: W:\Projects\1251162 - Maple Ave Resurfacing\Maintenance of Traffic.dwg Nov 15, 2012 - 9:35am

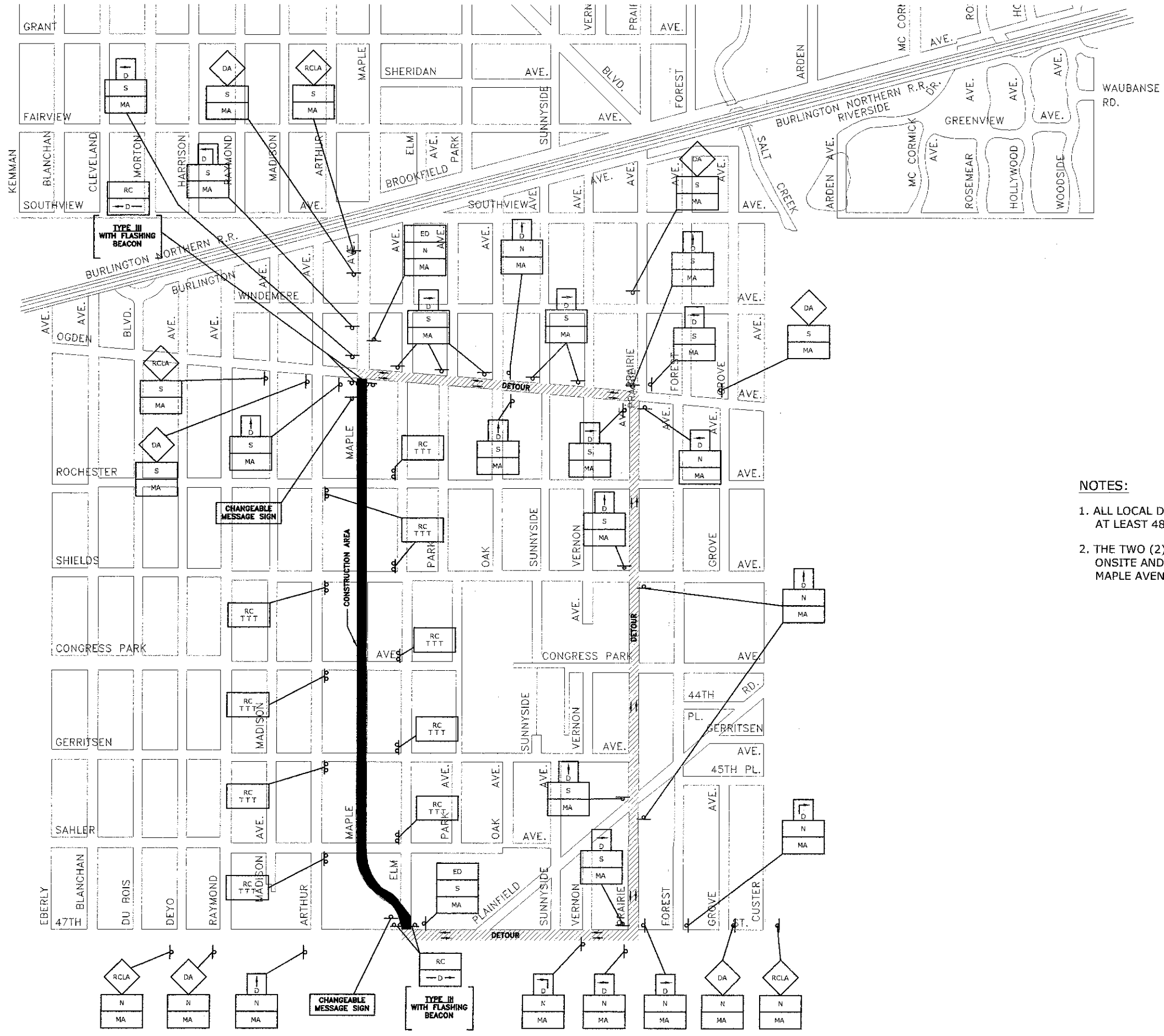
LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	CODE & SIZE
		W20-3 48"x48"
		W20-2 48"x48"
		W1-2 24"x24"
		W1-2 24"x24"
		R11-4 60"x30"
		R11-4 60"x30"
		M3-1 24"x12"
		M3-1 24"x12"
		M4-8 36"x12"

LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	CODE & SIZE
		M4-8 24"x18"
		M4-8 36"x24"
		M4-8 36"x24"
		M4-9 30"x24"
		M4-9 30"x24"
		M4-9 30"x24"
		M4-9R 24"x30"
		M4-9L 24"x30"
		M4-10 48"x18"
		M4-10 48"x18"

NOTE:

CONTRACTOR TO NOTIFY IDOT TRAFFIC CONTROL SUPERVISOR (847)705-4470, SEVENTY-TWO HOURS IN ADVANCE OF SETTING UP DETOUR ROUTE.

Drawing No: W:\Projects\12511162 - Maple Ave Reconstruction\Maintenance of Traffic.dwg Nov 16, 2012 - 9:32am



NOTES:

1. ALL LOCAL DETOURS SHALL BE APPROVED BY THE VILLAGE AT LEAST 48 HOURS PRIOR TO INSTALLATION.
2. THE TWO (2) CHANGEABLE MESSAGE SIGNS ARE TO BE ONSITE AND FUNCTIONING FOR 2 WEEKS PRIOR TO MAPLE AVENUE BEING CLOSED.



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Rosemead Road
 Westchester, Illinois 60154-2786
 Phone: 708/965-0396
 Fax: 708/965-1312

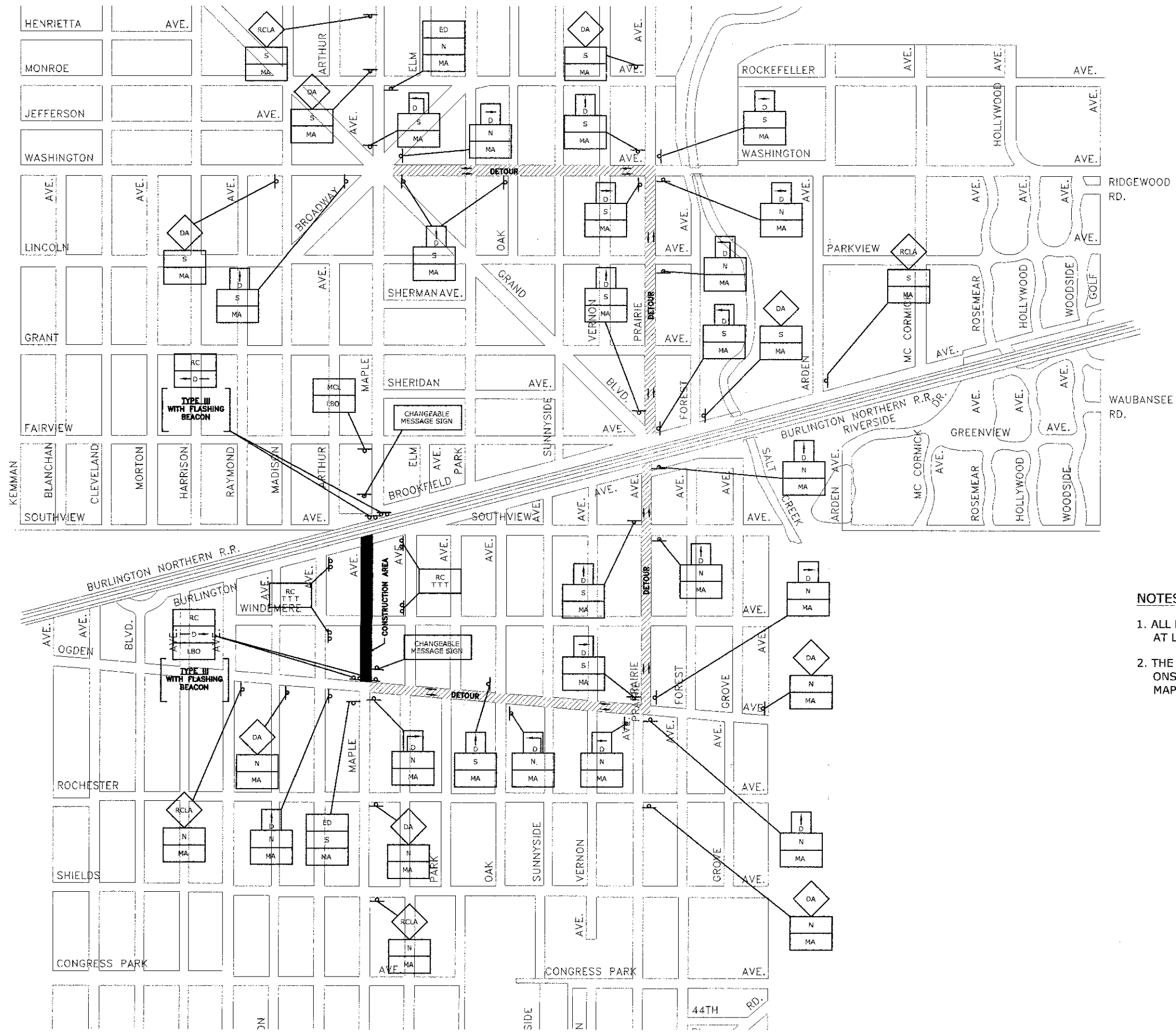
DESIGNED	---	REVISED	---
DRAWN	LEV, DMM	REVISED	---
CHECKED	---	REVISED	---
DATE	10-18-12	REVISED	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING FOR THROUGH TRAFFIC
WHEN MAPLE AVENUE IS CLOSED
FROM 47TH STREET TO OGDEN AVENUE

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.D. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
2722	12-00126-00-RS	COOK	26
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63762
E.H.E. PROJECT NO. 125-11-16201			SHEETS NO. 10



NOTES:

1. ALL LOCAL DETOURS SHALL BE APPROVED BY THE VILLAGE AT LEAST 48 HOURS PRIOR TO INSTALLATION.
2. THE TWO (2) CHANGEABLE MESSAGE SIGNS ARE TO BE ONSITE AND FUNCTIONING FOR 2 WEEKS PRIOR TO MAPLE AVENUE BEING CLOSED.

Drawing file: W:\Projects\125-11-82 - Maple Ave Restriping\Maintenance of Traffic.dwg
 Nov 10, 2012 - 9:32am
 9935 Honoreville Road
 Wheeling, Illinois 60154-2780
 Phone: 708-865-0300
 Fax: 708-865-1212



Civil Engineers
Municipal Consultants
 Established 1911

DESIGNED - -	REVISED -
DRAWN - LEV, DMM	REVISED -
CHECKED - -	REVISED -
DATE - 10-18-12	REVISED -

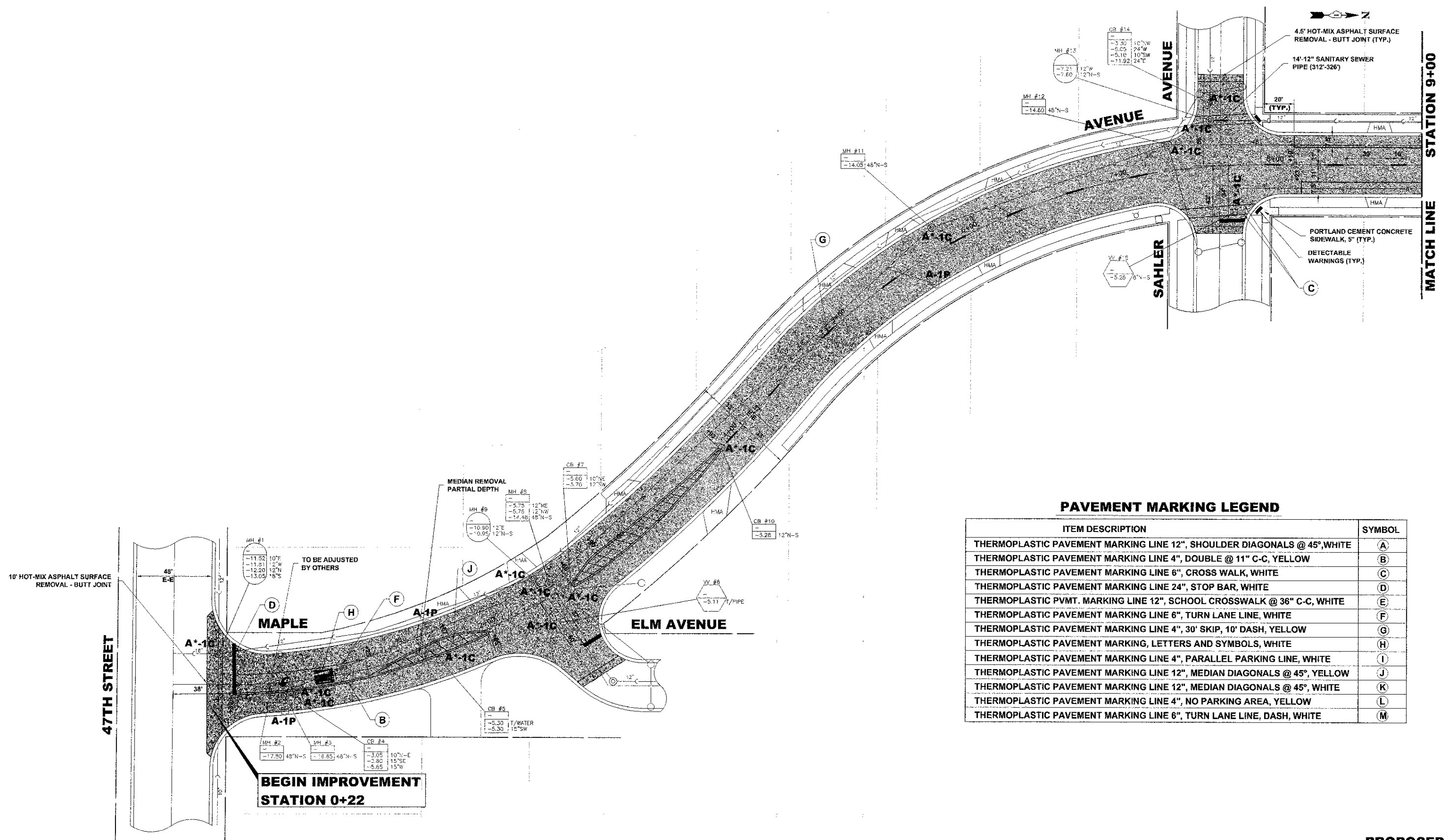
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING FOR THROUGH TRAFFIC
WHEN MAPLE AVENUE IS CLOSED
FROM OGDEN AVENUE TO BURLINGTON AVENUE

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	11
CONTRACT NO. 63762				
FED. ROAD DIST. NO. ILLINOIS				
E.H.E. PROJECT NO. 125-11-16201				

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. - TO STA. -

Drawing file: W:\Projects\12511182 - Maple Ave Reimproving\Maple Avenue.dwg Nov 16, 2012 - 2:52pm



PAVEMENT MARKING LEGEND

ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING LINE 12", SHOULDER DIAGONALS @ 45°, WHITE	(A)
THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE @ 11" C-C, YELLOW	(B)
THERMOPLASTIC PAVEMENT MARKING LINE 6", CROSS WALK, WHITE	(C)
THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE	(D)
THERMOPLASTIC PVMT. MARKING LINE 12", SCHOOL CROSSWALK @ 36" C-C, WHITE	(E)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, WHITE	(F)
THERMOPLASTIC PAVEMENT MARKING LINE 4", 30' SKIP, 10' DASH, YELLOW	(G)
THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, WHITE	(H)
THERMOPLASTIC PAVEMENT MARKING LINE 4", PARALLEL PARKING LINE, WHITE	(I)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, YELLOW	(J)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, WHITE	(K)
THERMOPLASTIC PAVEMENT MARKING LINE 4", NO PARKING AREA, YELLOW	(L)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, DASH, WHITE	(M)

PROPOSED IMPROVEMENT

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

9930 Stonewood Road
 Westchester, Illinois 60151-2780
 Phone: 708/865-8500
 Fax: 708/865-4212

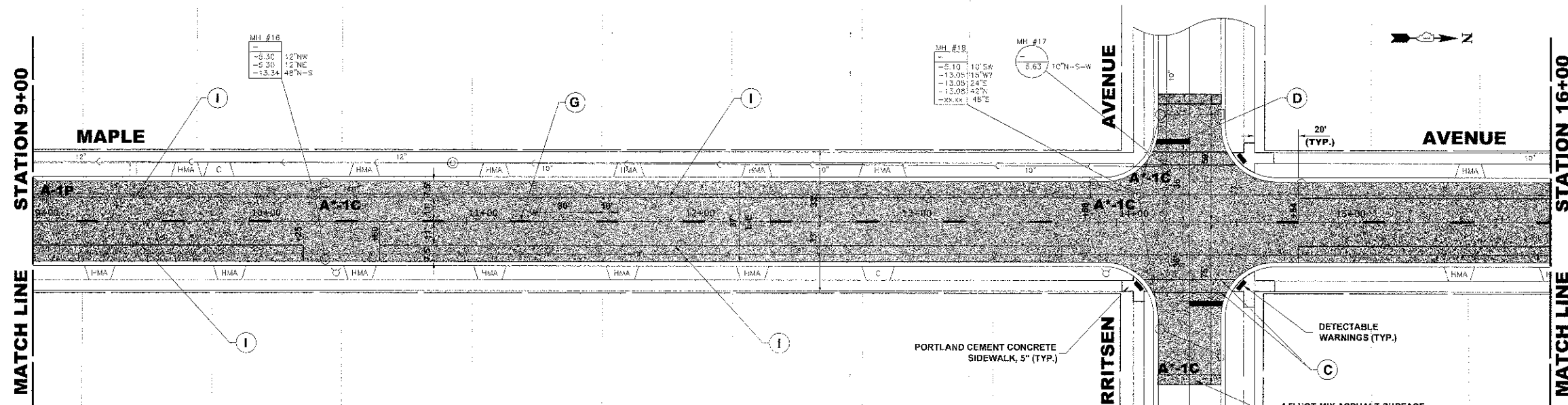
DESIGNED	---	REVISED	---
DRAWN	LEV, DMM	REVISED	---
CHECKED	---	REVISED	---
DATE	10-18-12	REVISED	---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAPLE AVENUE
 PAVING / PAVEMENT MARKING PLAN**

SCALE: 1" = 30' SHEET NO. 1 OF 5 SHEETS STA. 0+22 TO STA. 9+00

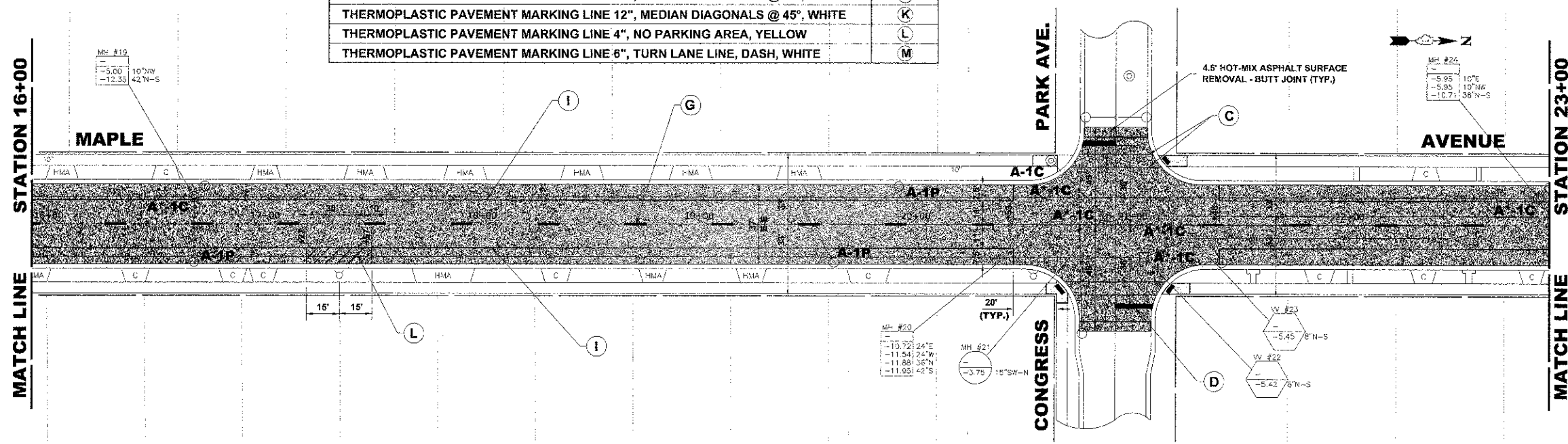
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-R5	COOK	26	12
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63762	
FED. AID PROJECT M-9003(986)			E.H.E. PROJECT NO. 125-11-16201	



PAVEMENT MARKING LEGEND

ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING LINE 12", SHOULDER DIAGONALS @ 45°, WHITE	(A)
THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE @ 11" C-C, YELLOW	(B)
THERMOPLASTIC PAVEMENT MARKING LINE 6", CROSS WALK, WHITE	(C)
THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE	(D)
THERMOPLASTIC PVMT. MARKING LINE 12", SCHOOL CROSSWALK @ 36" C-C, WHITE	(E)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, WHITE	(F)
THERMOPLASTIC PAVEMENT MARKING LINE 4", 30' SKIP, 10' DASH, YELLOW	(G)
THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, WHITE	(H)
THERMOPLASTIC PAVEMENT MARKING LINE 4", PARALLEL PARKING LINE, WHITE	(I)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, YELLOW	(J)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, WHITE	(K)
THERMOPLASTIC PAVEMENT MARKING LINE 4", NO PARKING AREA, YELLOW	(L)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, DASH, WHITE	(M)

PROPOSED IMPROVEMENT



PROPOSED IMPROVEMENT

Drawing file: W:\Projects\1251162 - Maple Ave Resurfacing\Maple Avenue.dwg Nov 18, 2012 2:02pm

HANCOCK ENGINEERING
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

3933 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708/865-6300
 Fax: 708/865-6212

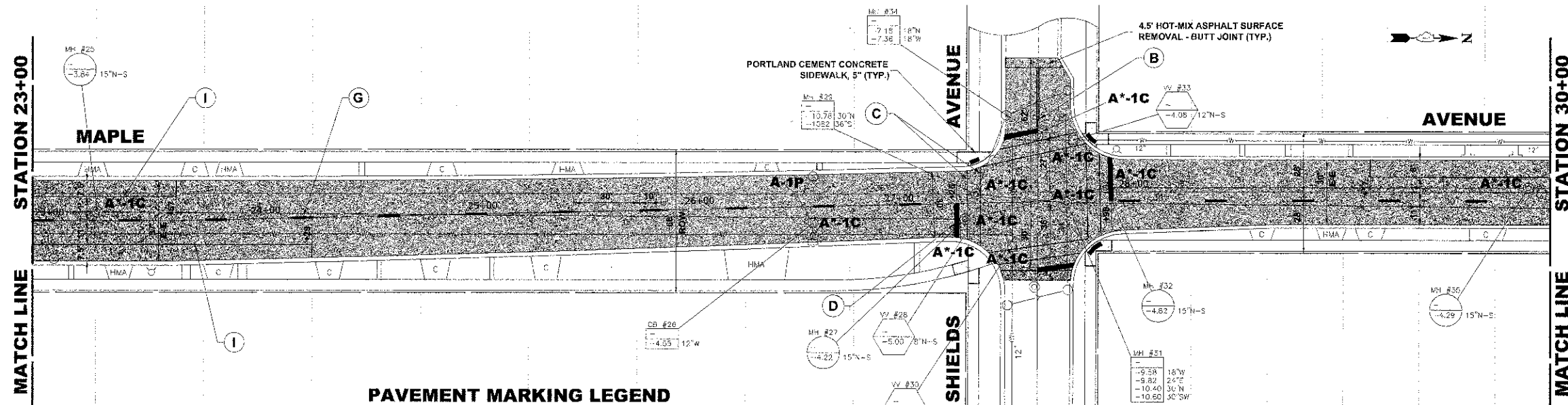
DESIGNED - ---	REVISED - ---
DRAWN - LEV, DMM	REVISED - ---
CHECKED - ---	REVISED - ---
DATE - 10-18-12	REVISED - ---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAPLE AVENUE
 PAVING / PAVEMENT MARKING PLAN**

SCALE: 1" = 30' SHEET NO. 2 OF 5 SHEETS STA. 9+00 TO STA. 23+00

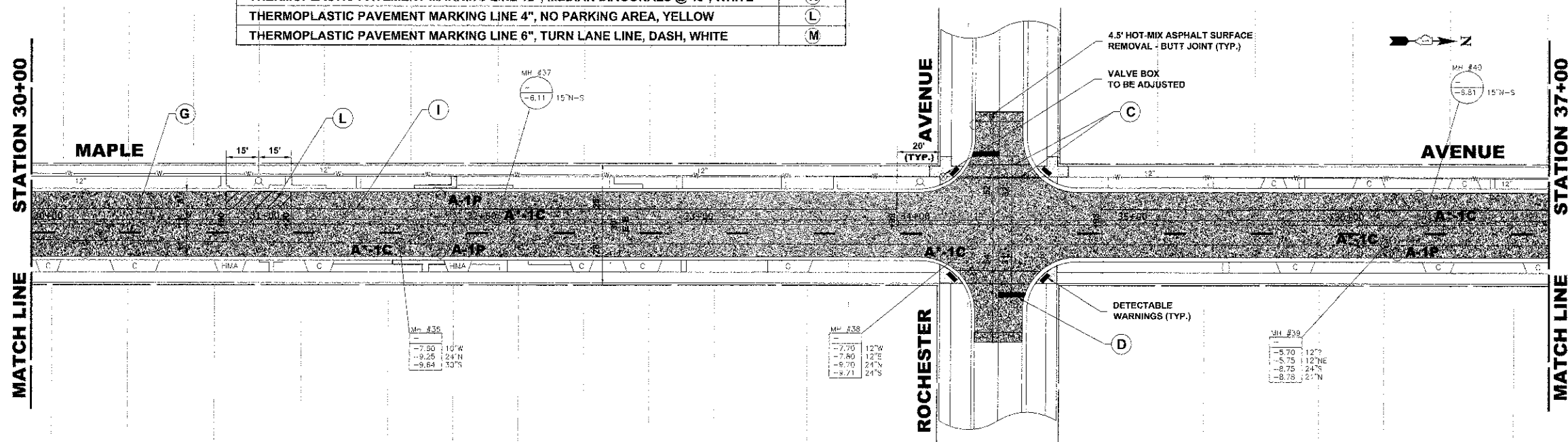
F.A.J. RTE. 2722	SECTION 12-00126-00-RS	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 13
CONTRACT NO. 63762			FED. AID PROJECT M-9003(986)	
E.H.E. PROJECT NO. 125-11-16201				



PAVEMENT MARKING LEGEND

ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING LINE 12", SHOULDER DIAGONALS @ 45°, WHITE	(A)
THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE @ 11" C-C, YELLOW	(B)
THERMOPLASTIC PAVEMENT MARKING LINE 6", CROSS WALK, WHITE	(C)
THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE	(D)
THERMOPLASTIC PVMT. MARKING LINE 12", SCHOOL CROSSWALK @ 36" C-C, WHITE	(E)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, WHITE	(F)
THERMOPLASTIC PAVEMENT MARKING LINE 4", 30' SKIP, 10' DASH, YELLOW	(G)
THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, WHITE	(H)
THERMOPLASTIC PAVEMENT MARKING LINE 4", PARALLEL PARKING LINE, WHITE	(I)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, YELLOW	(J)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, WHITE	(K)
THERMOPLASTIC PAVEMENT MARKING LINE 4", NO PARKING AREA, YELLOW	(L)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, DASH, WHITE	(M)

PROPOSED IMPROVEMENT



PROPOSED IMPROVEMENT

Drawing file: W:\Projects\12511162 - Maple Ave Resurfacing\Maple Avenue.dwg Nov 18, 2012 - 2:02pm

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

9933 Roosevelt Road
 Wheeling, Illinois 60154-2788
 Phone: 708/945-0390
 Fax: 708/945-1312

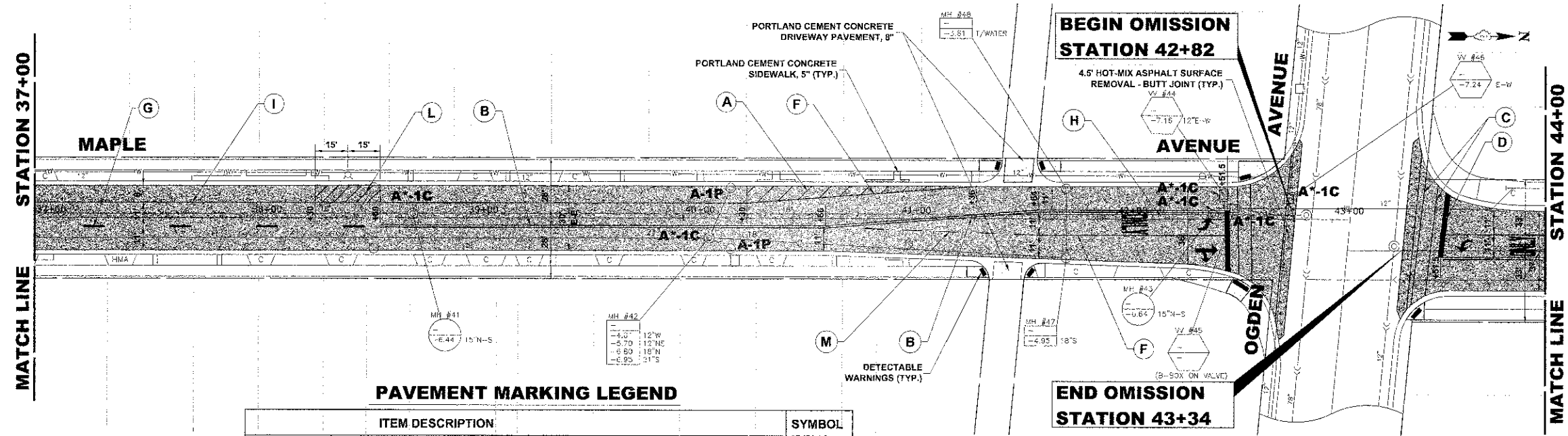
DESIGNED -	---	REVISED -	---
DRAWN -	LEV, DMM	REVISED -	---
CHECKED -	---	REVISED -	---
DATE -	10-18-12	REVISED -	---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAPLE AVENUE
 PAVING / PAVEMENT MARKING PLAN**

SCALE: 1" = 30' SHEET NO. 3 OF 5 SHEETS STA. 23+00 TO STA. 37+00

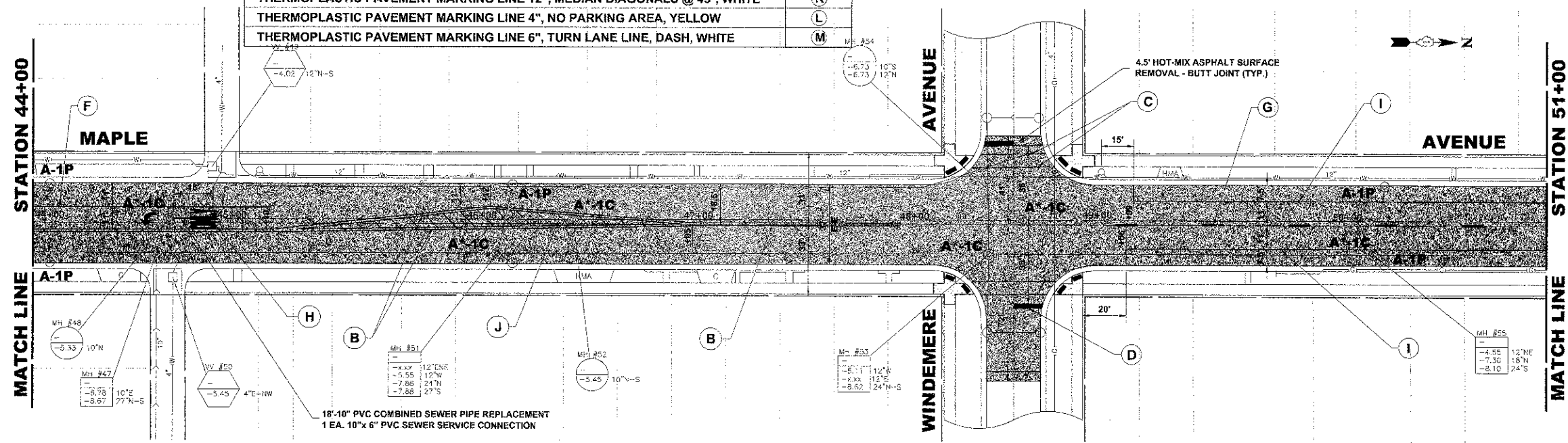
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
2722	12-00126-00-RS	COOK	26
CONTRACT NO. 63762			SHEETS NO. 14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(986)			
E.H.E. PROJECT NO. 125-11-16201			



PAVEMENT MARKING LEGEND

ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING LINE 12", SHOULDER DIAGONALS @ 45°, WHITE	A
THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE @ 11" C-C, YELLOW	B
THERMOPLASTIC PAVEMENT MARKING LINE 6", CROSS WALK, WHITE	C
THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE	D
THERMOPLASTIC PVMT. MARKING LINE 12", SCHOOL CROSSWALK @ 36" C-C, WHITE	E
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, WHITE	F
THERMOPLASTIC PAVEMENT MARKING LINE 4", 30' SKIP, 10' DASH, YELLOW	G
THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, WHITE	H
THERMOPLASTIC PAVEMENT MARKING LINE 4", PARALLEL PARKING LINE, WHITE	I
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, YELLOW	J
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, WHITE	K
THERMOPLASTIC PAVEMENT MARKING LINE 4", NO PARKING AREA, YELLOW	L
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, DASH, WHITE	M

PROPOSED IMPROVEMENT



PROPOSED IMPROVEMENT

Drawing file: W:\Projects\12511182 - Maple Ave Resurfacing\Maple Avenue.dwg Nov 16, 2012 2:59:21



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

5933 Stonerock Road
 Winnetka, Illinois 60154-2780
 Phone: 708/965-0390
 Fax: 708/965-1312

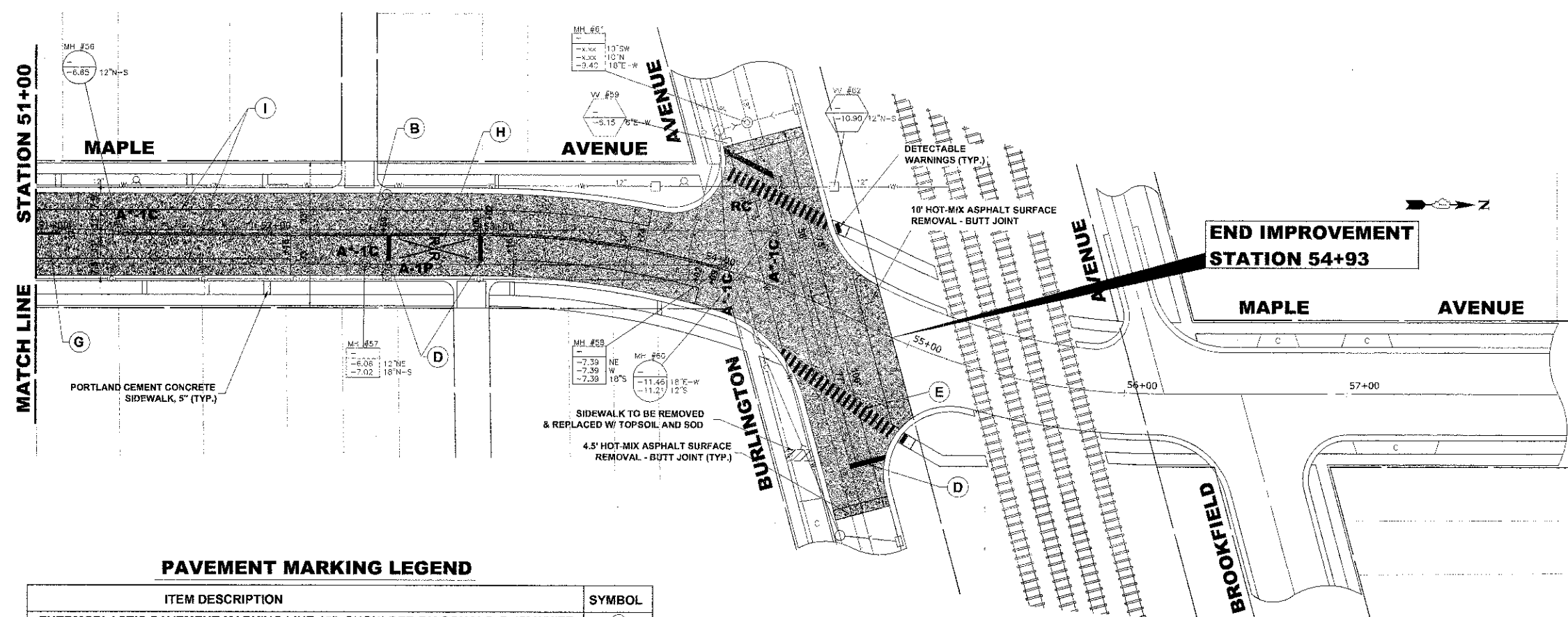
DESIGNED - ---	REVISED - ---
DRAWN - LEV, DMM	REVISED - ---
CHECKED - ---	REVISED - ---
DATE - 10-18-12	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAPLE AVENUE
PAVING / PAVEMENT MARKING PLAN

SCALE: 1" = 30' SHEET NO. 4 OF 5 SHEETS STA. 37+00 TO STA. 51+00

P.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	15
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63762	
			FED. AID PROJECT M-9003(886)	
E.H.E. PROJECT NO. 125-11-16201				



PAVEMENT MARKING LEGEND

ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING LINE 12", SHOULDER DIAGONALS @ 45°, WHITE	(A)
THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE @ 11" C-C, YELLOW	(B)
THERMOPLASTIC PAVEMENT MARKING LINE 6", CROSS WALK, WHITE	(C)
THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE	(D)
THERMOPLASTIC PVMT. MARKING LINE 12", SCHOOL CROSSWALK @ 36" C-C, WHITE	(E)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, WHITE	(F)
THERMOPLASTIC PAVEMENT MARKING LINE 4", 30' SKIP, 10' DASH, YELLOW	(G)
THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, WHITE	(H)
THERMOPLASTIC PAVEMENT MARKING LINE 4", PARALLEL PARKING LINE, WHITE	(I)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, YELLOW	(J)
THERMOPLASTIC PAVEMENT MARKING LINE 12", MEDIAN DIAGONALS @ 45°, WHITE	(K)
THERMOPLASTIC PAVEMENT MARKING LINE 4", NO PARKING AREA, YELLOW	(L)
THERMOPLASTIC PAVEMENT MARKING LINE 6", TURN LANE LINE, DASH, WHITE	(M)

PROPOSED IMPROVEMENT

Drawing file: W:\Projects\12511162 - Maple Ave Resturfacing\Maple Avenue.dwg Rev 16, 2012, 2:07pm

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Rowlett Road
 Westchester, Illinois 60154-3780
 Phone: 708/665-0390
 Fax: 708/665-1212

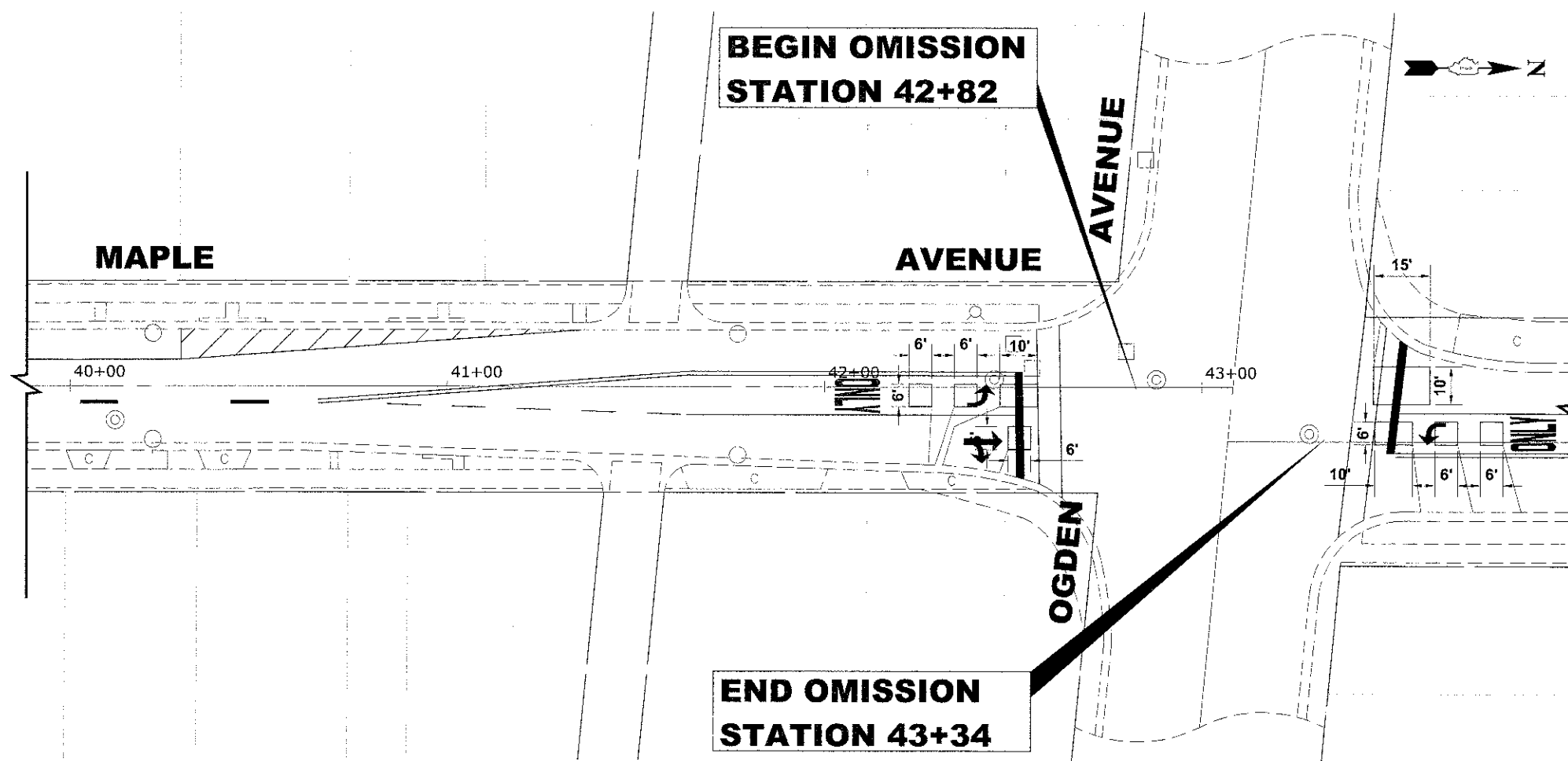
DESIGNED	---	REVISED	---
DRAWN	LEV, DMM	REVISED	---
CHECKED	---	REVISED	---
DATE	10-18-12	REVISED	---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAPLE AVENUE
 PAVING / PAVEMENT MARKING PLAN**

SCALE: 1" = 30' SHEET NO. 5 OF 5 SHEETS STA. 51+00 TO STA. 54+93

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RB	COOK	26	16
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 83762	
FED. AID PROJECT M-9003(986)			E.H.E. PROJECT NO. 125-11-16201	



LEGEND:

SYMBOL	DESCRIPTION
	DETECTOR LOOP

Drawing file: W:\Projects\2511187 - Maple Ave Resurfacing\Maple Avenue.dwg Nov 15, 2012 - 9:54am

HANCOCK ENGINEERING
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Wheeling, Illinois 60154-2750
 Phone: 708/965-6380
 Fax: 708/965-1212

DESIGNED	---	REVISED	---
DRAWN	LEV, DMM	REVISED	---
CHECKED	---	REVISED	---
DATE	10-18-12	REVISED	---

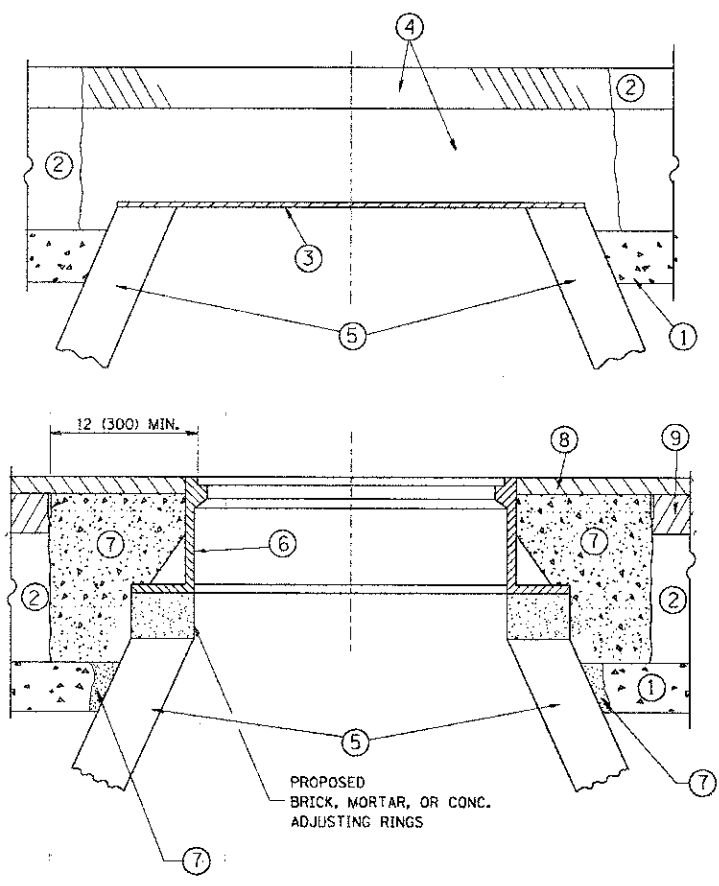
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL DETECTOR LOOP
 REPLACEMENT PLAN**

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. 37+00 TO STA. 44+00

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	12-00126-00-RS	COOK	26	17
CONTRACT NO. 63762				
FED. ROAD DIST. NO. 1 ILLINOIS				
FED. AID PROJECT M-9003(986)				
E.H.E. PROJECT NO. 125-11-16201				

Drawing file: W:\Projects\12511102 - Maple Ave Resurfacing\MARKING\2013.dwg Nov 18, 2012 - 11:42am



NOTES:

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

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

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

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

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

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

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A. RTE. = 2722	SECTION = 12-00126-00-RS	COUNTY = COOK	TOTAL SHEETS = 28	SHEET NO. = 18
at:\pv_work\pv\dot\bauerdl\02\08315\ba08.dgn		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-03 (BD-8)		CONTRACT NO. 63762		
		PLOT SCALE = 1/8" = 1'-0"	REVISED - R. BORO 03-09-11		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9903 (986)							
		PLOT DATE = 12/6/2011	REVISED - R. BORO 12-06-11		E.H.E. PROJECT NO. 125-11-10201							

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

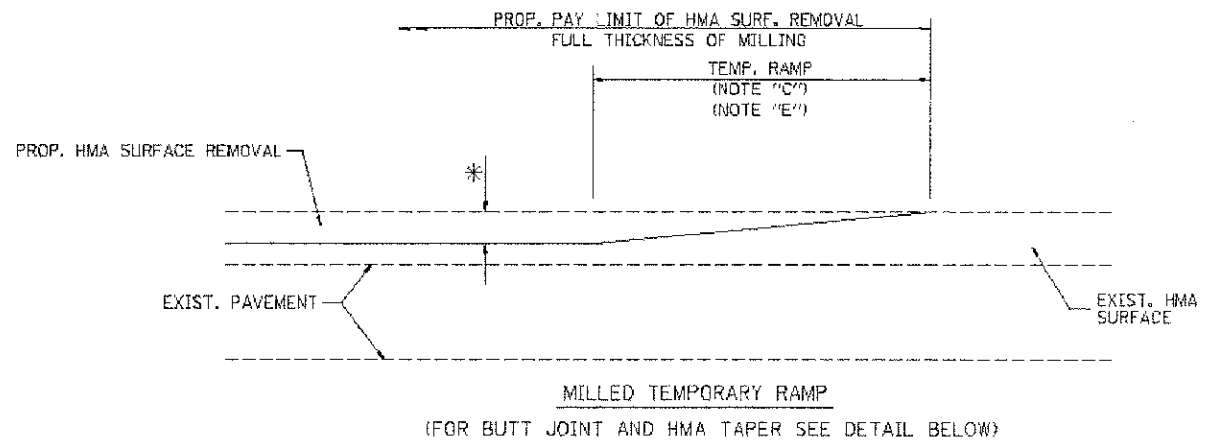
BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

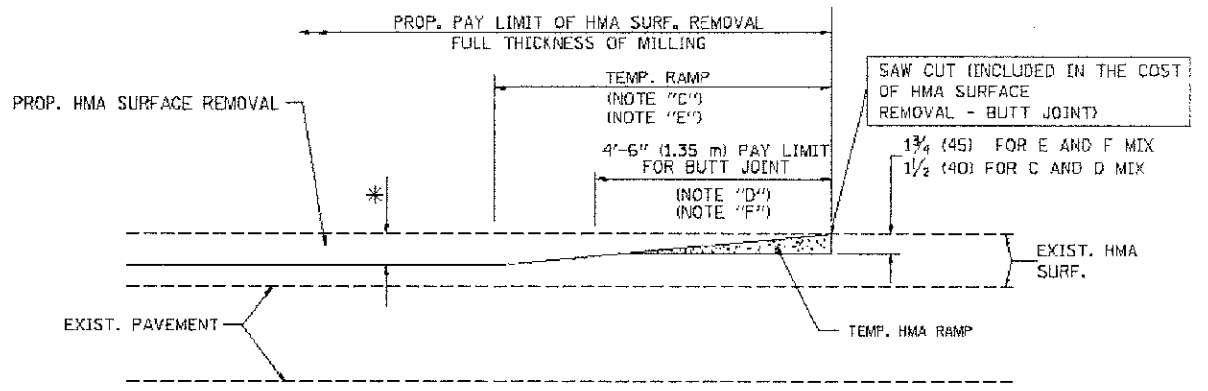
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

Drawing No: W:\Projects\12511162 - Maple Ave Resurfacing\Mapk1005_2011.dwg Nov 16, 2012 - 11:32am

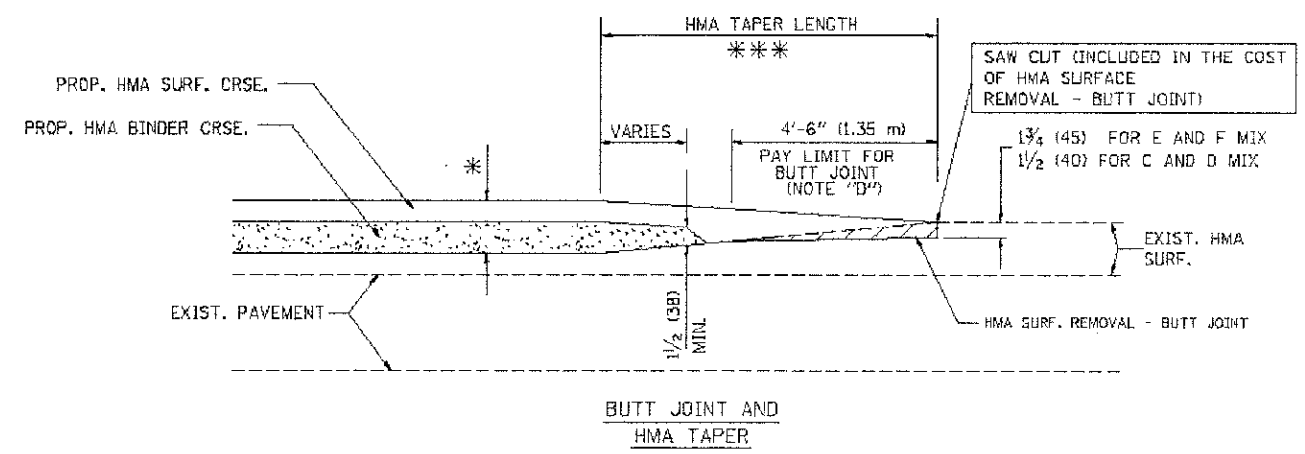
FILE NAME =	USER NAME = dr-wrk-coagrn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\work\pavdot\dr-wrk-coagrn\12511162.dgn	DRAWN -	REVISED - A. ARBAS 03-21-97	2732			09-00124-09-RS	COOK	26	19	
PLOT SCALE = 96.000 1/2 IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	BD800-06 (BD-24)			CONTRACT NO. 63762				
PLOT DATE = 12/19/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (302)			E.H.E. PROJECT NO. 125-11-16201				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	



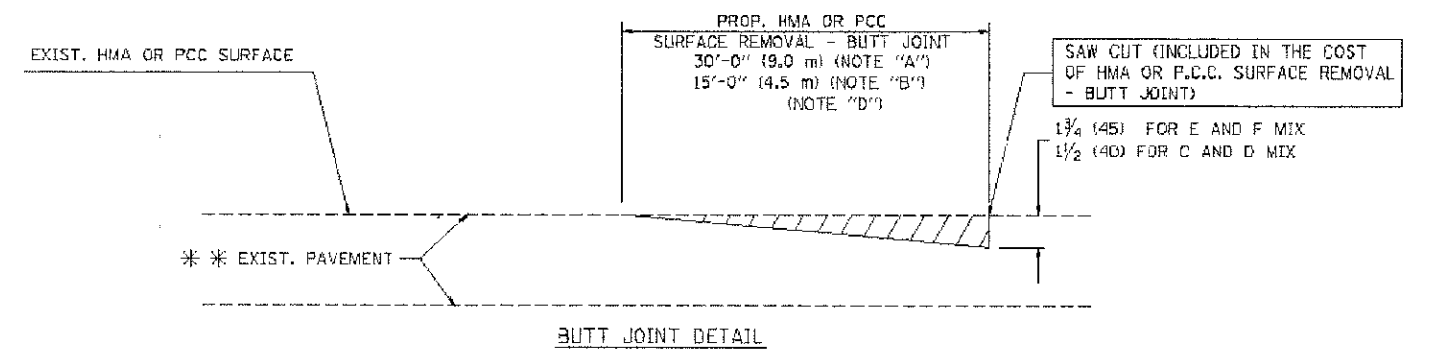
OPTION 1



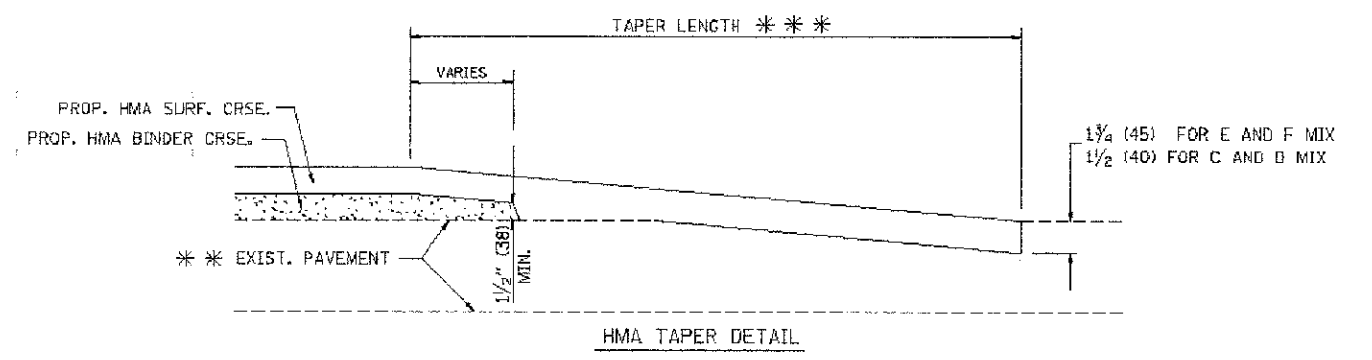
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

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

BASIS OF PAYMENT:

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

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

Drawing file: W:\Projects\1251182 - Maple Ave Resurfacing\WORKING\2013.dwg Nov 16, 2012 - 11:20am

FILE NAME = W:\state\1251182\1251182.dwg	USER NAME = gggjennobts	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 80.0000' / IN	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

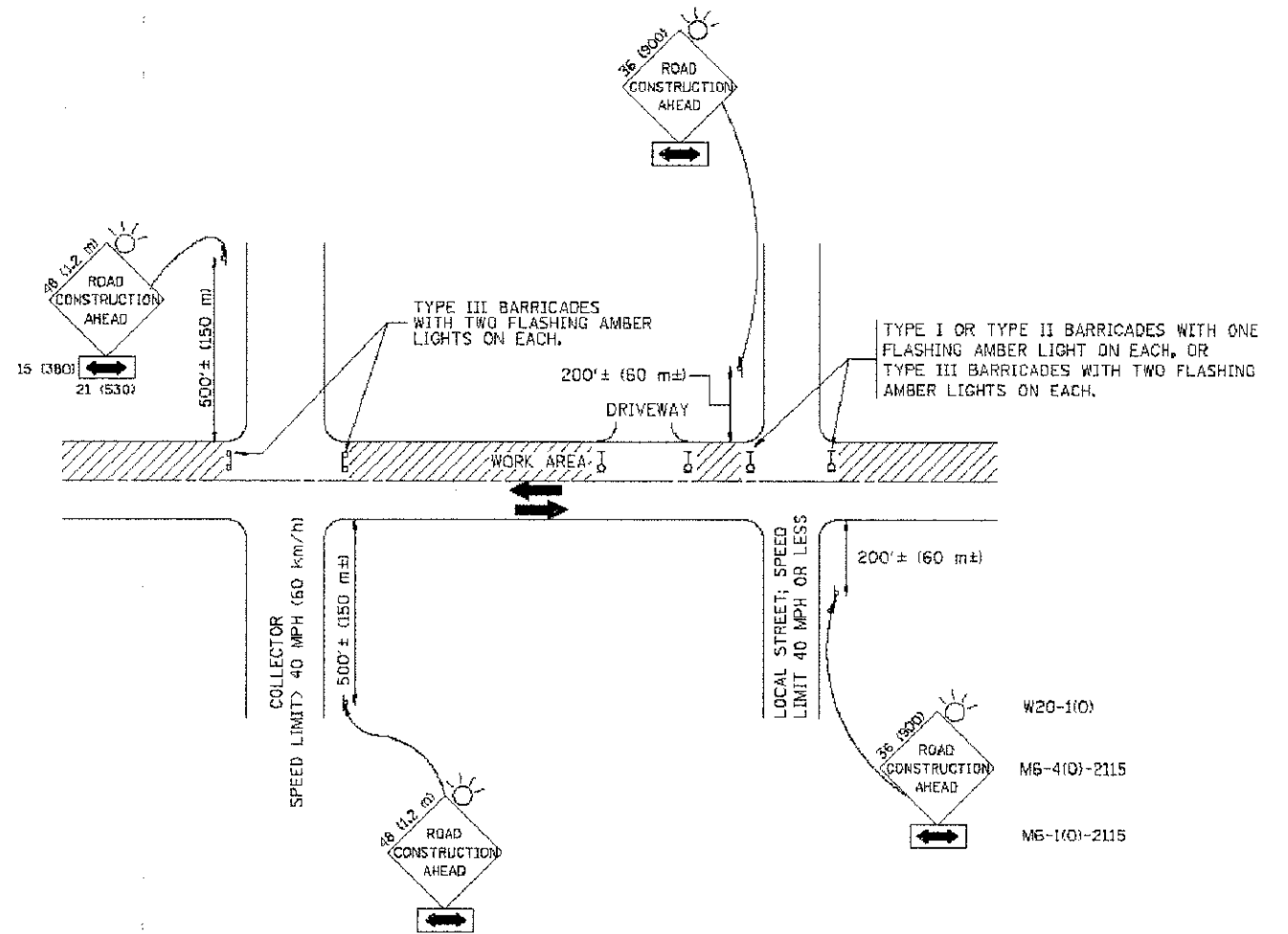
BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	09-00124-09-RS	COOK	26	20
RD400-05 RDS2		CONTRACT NO. 63762		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT ARA-9003 (302)				

E.N.E. PROJECT NO. 125-11-16201

Drawing file: W:\Projects\1251182 - Maple Ave Resurfacing\WORKINGS_2011.dwg Nov 16, 2012 11:32am



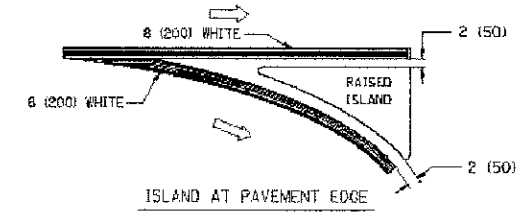
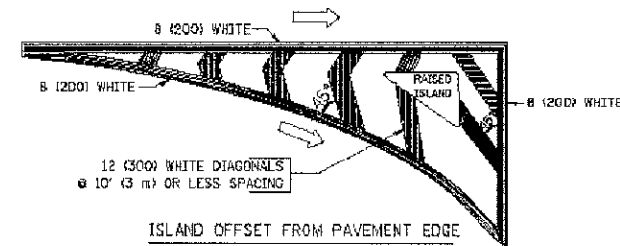
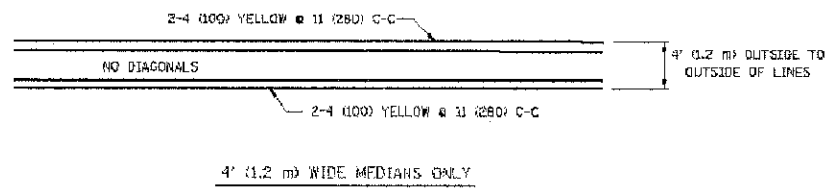
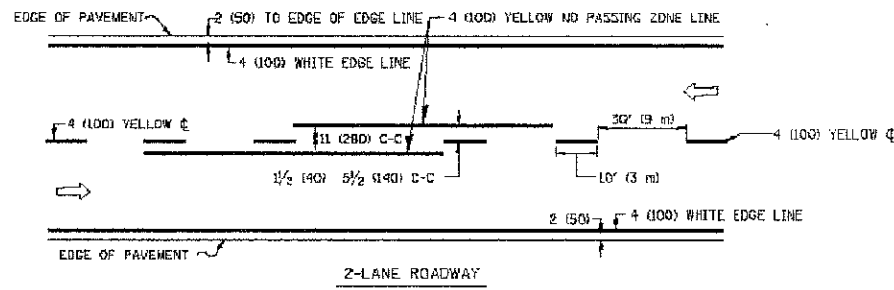
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

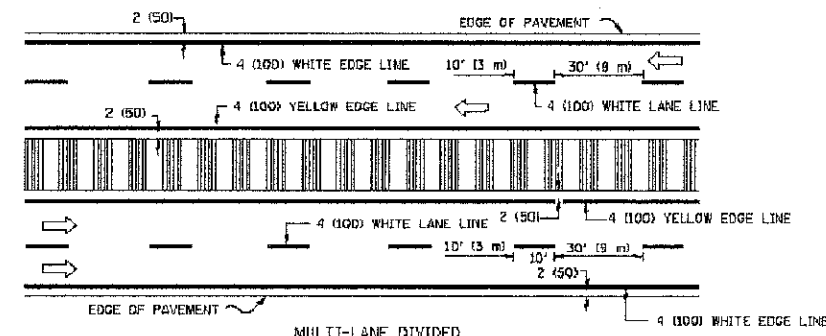
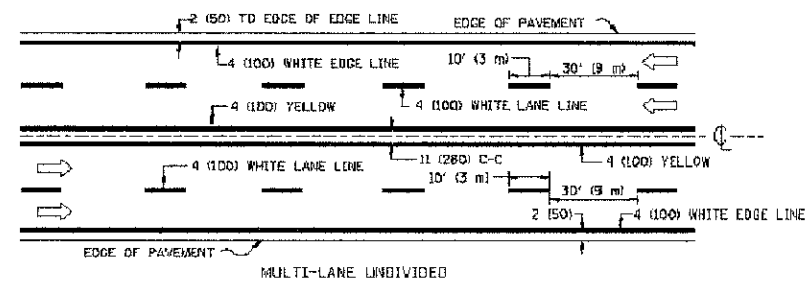
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. T01605 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 = W:\Projects\1251182 - Maple Ave Resurfacing\WORKINGS_2011.dwg	USER NAME = gng1srbobx	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 60.000 / 1"	CHECKED -	REVISED - A. HOUSEH 03-06-96		2732	09-00124-00-RS	COOK	26	21			
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-10		CONTRACT NO. 63762		
									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-8003 (302)		E.H.E. PROJECT NO. 125-11-16201	

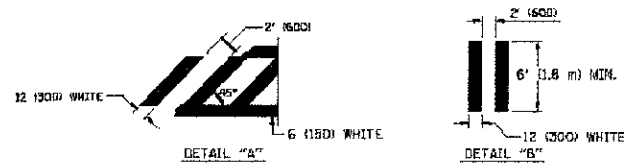
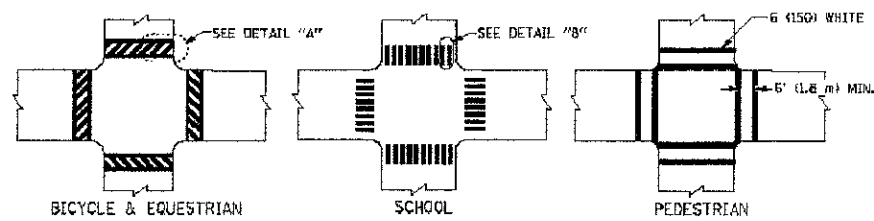


TYPICAL ISLAND MARKING

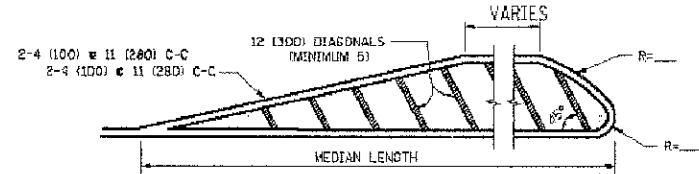


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



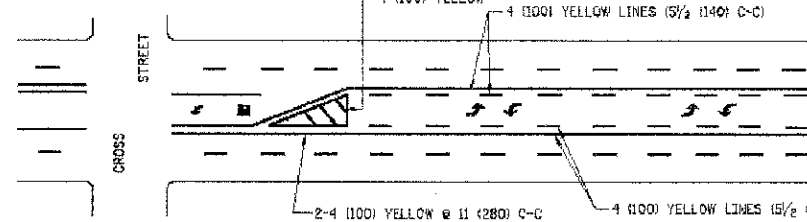
TYPICAL CROSSWALK MARKING



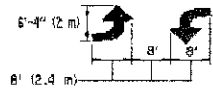
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (23 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

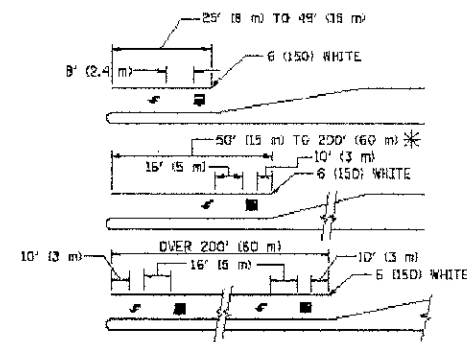


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
* AREA = 15.6 SQ. FT. (4.5 m²) * AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	30' (9 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	31 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	31 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
	5 (125) ON FREEWAYS	SKIP-DASH	WHITE	
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE, FULL SIZE LETTERS & SYMBOLS (8" (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4 m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	2' (600) APART
				SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	31 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
CDR MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" 15' (4.5 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "X" = 3.6 SQ. FT. (0.33 m ²) EACH "X" = 6.0 SQ. FT. (0.56 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (23 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

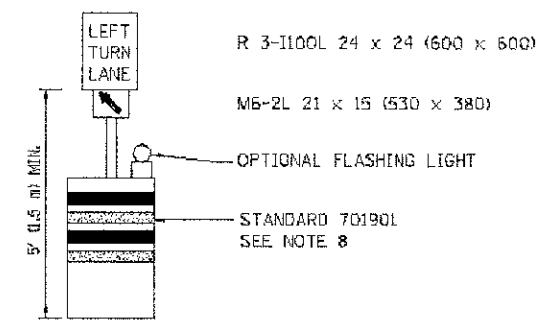
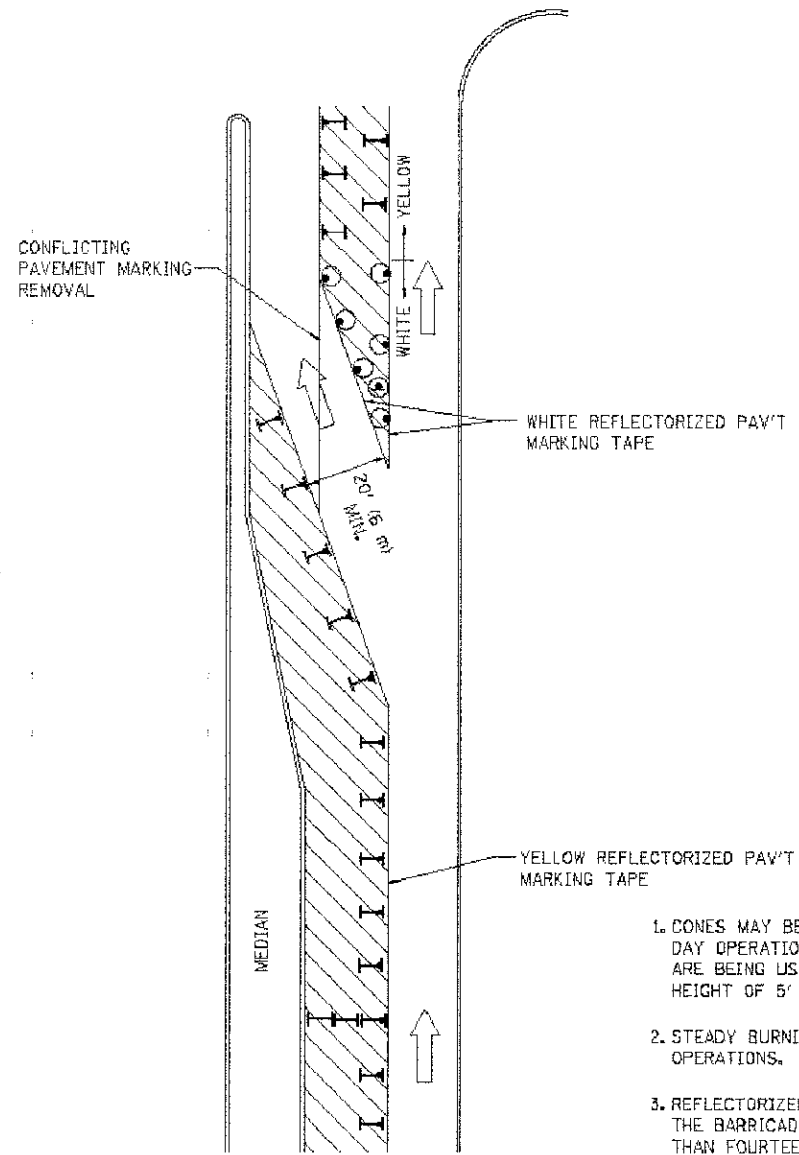
FILE NAME =	USER NAME = drvalcagn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
o:\p\work\pudat\drvalcagn\12511162-13.dgn		DRAWN -	REVISED - C. JUCLUS 09-09-09
		CHECKED -	REVISED -
		DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2732	09-00124-00-RS	COOK	26	22
				TC-13			CONTRACT NO. 63762
							ILLINOIS FED. AID PROJECT ARA-9003 (302)

Drawing file: W:\Projects\12511162 - Maple Ave Resurficing\MARKINGS_2013.dwg Nov 15, 2012 - 11:56am



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

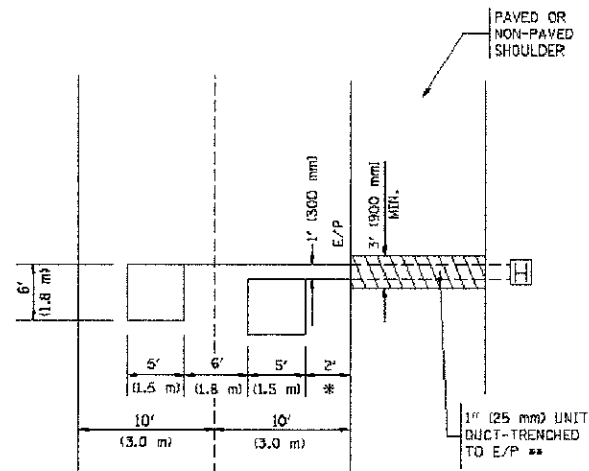
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

FILE NAME =	USER NAME =	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
of\work\p\1007\DRIVK050N\08100315\14.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
PLDT SCALE = 49.9999 / 1 IN		REVISED - A. HOUSEH 10-12-96	REVISED -
PLDT DATE = 9/14/2009		REVISED - T. RAMMACHER 01-06-00	REVISED -

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE. 2732	SECTION 09-00124-00-RS	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 23
			TC-14		CONTRACT NO. 63762		
			PEO. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT ARA-8003 (302)				
E.H.E. PROJECT NO. 125-11-16201							

LOOPS NEXT TO SHOULDERS

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

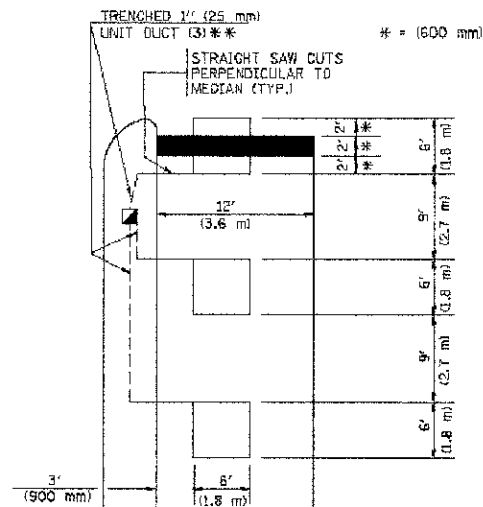


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

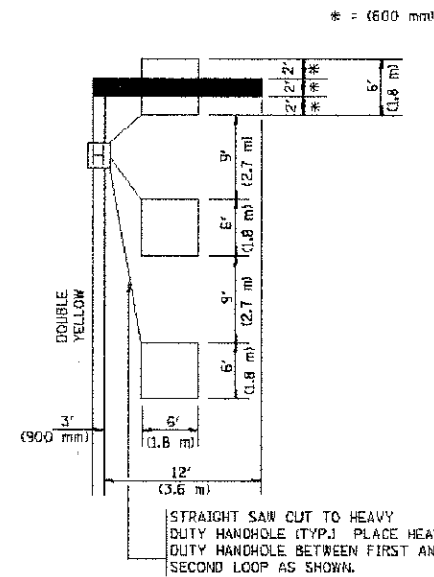
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814COL TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

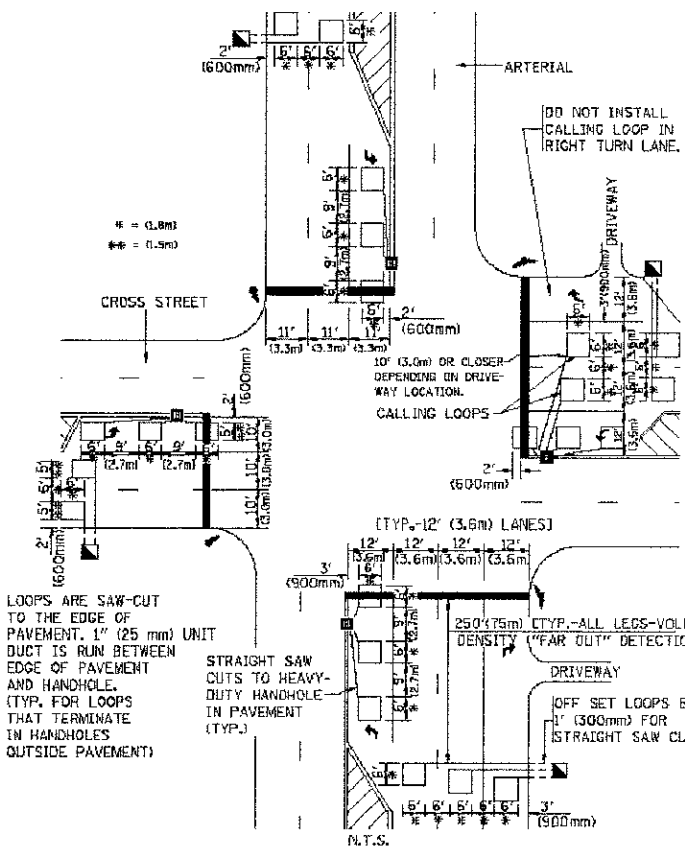
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



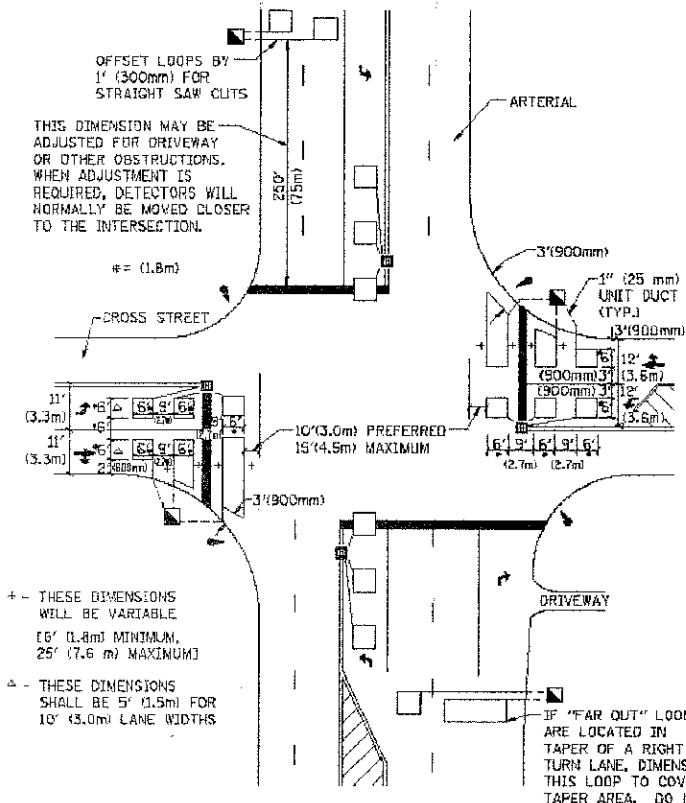
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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 SEPARATELY. 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.

Drawing file: W:\Projects\2011182 - Maple Ave Resurfacing\ARCS\2011182.dgn

FILE NAME = W:\data\22x34\407.dgn

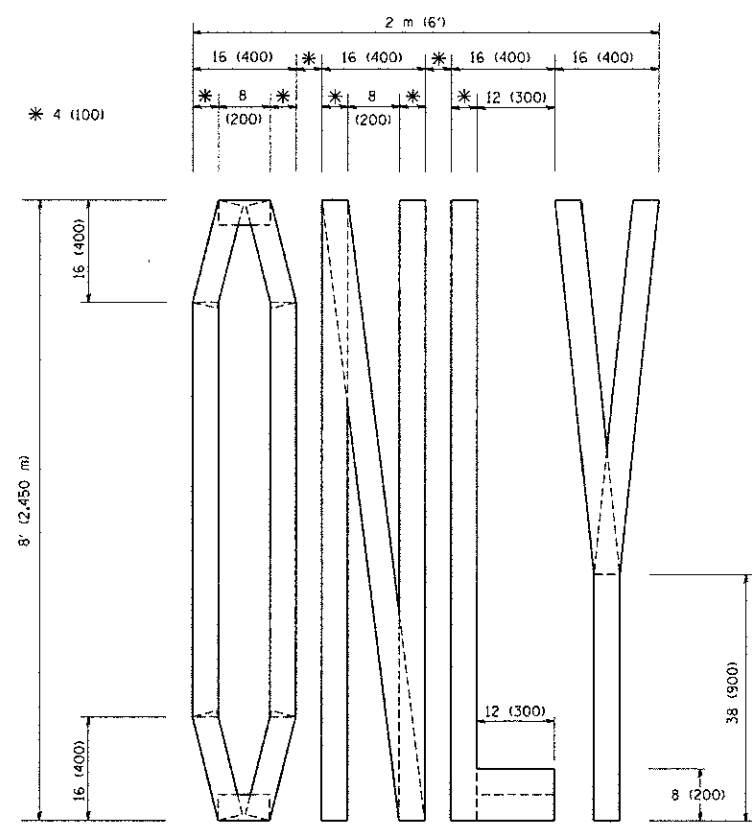
USER NAME = greglenobrt	DESIGNED -	REVISED -
PLLOT SCALE = 58.0000 / 1" = 100'	DRAWN -	REVISED -
PLLOT DATE = 1/4/2008	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

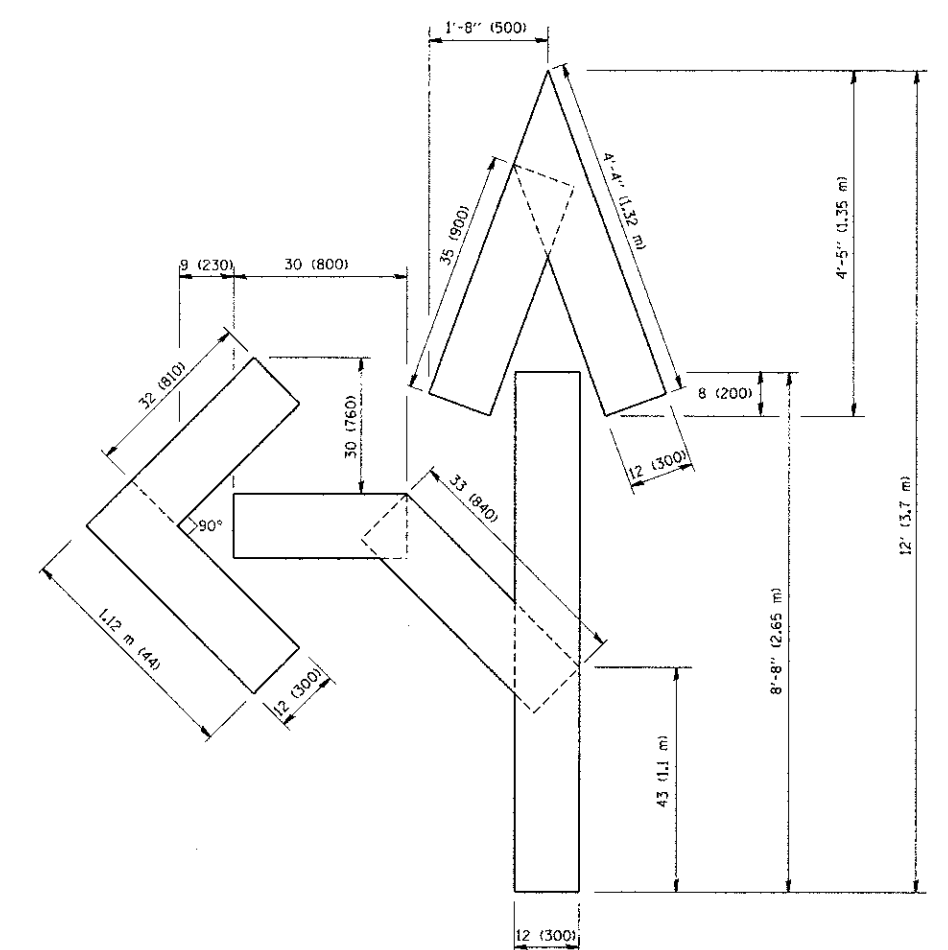
**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

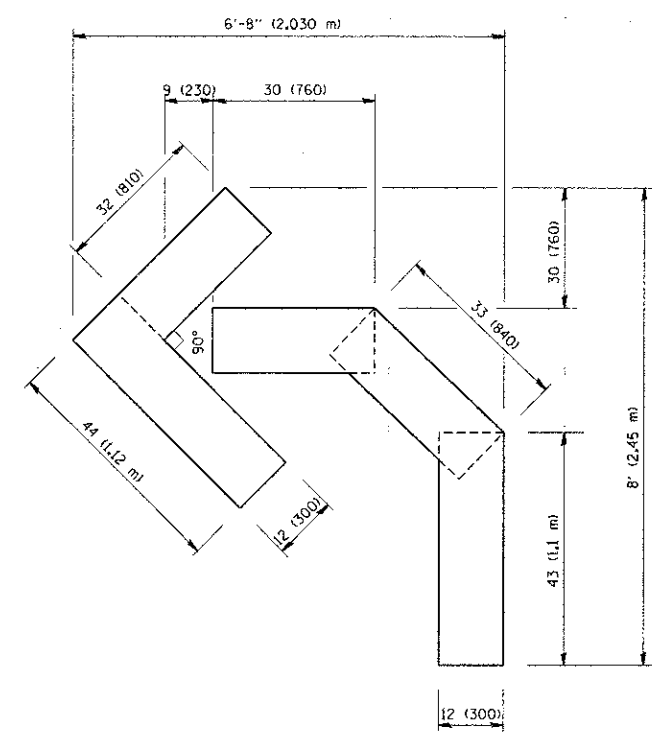
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	09-00124-00-RS	COOK	26	24
TS-07			CONTRACT NO. 63762	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9009 (302) I.H.E. PROJECT NO. 125-11-16201				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



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



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

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

Drawing file: W:\Projects\1251142 - Maple Ave Resurfacing\MARKINGS_2013_B.dwg Nov 16, 2012 1:11pm

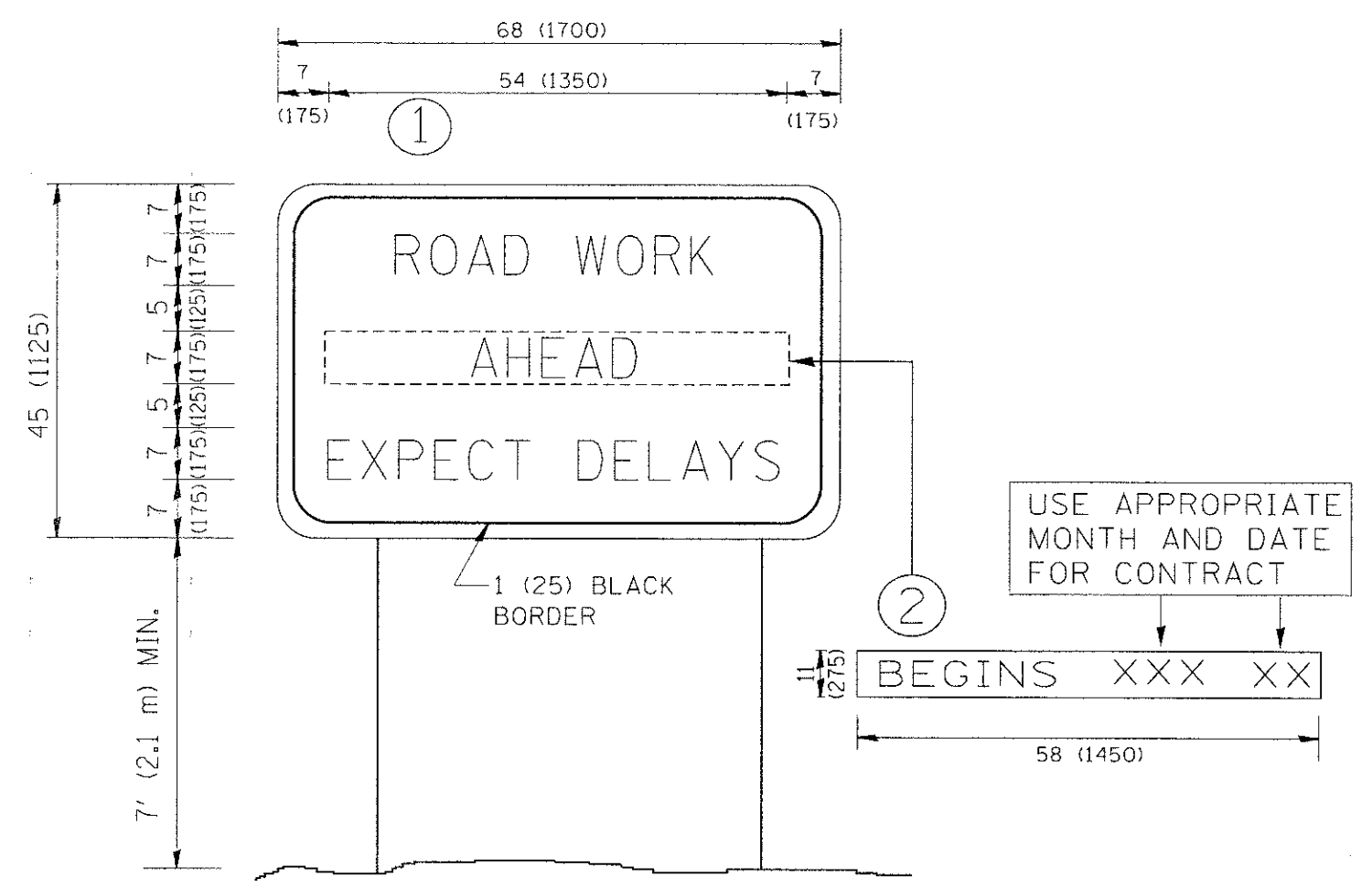
FILE NAME = W:\Projects\1251142 - Maple Ave Resurfacing\MARKINGS_2013_B.dwg	USER NAME = geglianob	DESIGNED - -	REVISED - -T. RAMMACHER 06-05-96
		DRAWN - -	REVISED - -T. RAMMACHER 11-04-97
		PLOT SCALE = 50.0000 / IN.	REVISED - -T. RAMMACHER 03-02-98
		PLOT DATE = 1/4/2008	DATE - 09-18-94
			REVISED - -E. GOMEZ 08-28-00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2732	09-00124-00-RS	COOK	26	25
TC-16			CONTRACT NO. 63762	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (302)				

Drawing file: W:\Projects\125-1102 - Maple Ave Resturfacing\AR0002_2013.dwg Nov 16, 2012 - 14:15m



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\projects\125-1102 - Maple Ave Resturfacing\AR0002_2013.dwg	USER NAME = goglianob	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE. 2732	SECTION 09-00124-00-RS	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 26	
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97			TC-22 CONTRACT NO. 63752					
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT ARA-9003 (302)					
		DATE -	REVISED - C. JUCIUS 01-31-07			E.H.E. PROJECT NO. 125-11-16201					
					SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		