## 06-15-12 LETTING ITEM 019

**INDEX OF SHEETS** 

SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES, IDOT STANDARDS & SUMMARY OF QUANTITIES
3	TYPICAL CROSS SECTIONS
4	PAVEMENT RESURFACING PLAN, STA. 50+50 TO STA. 59+30
5	PAVEMENT RESURFACING PLAN, STA. 59+30 TO STA. 68+10
6	PAVEMENT RESURFACING PLAN, STA. 68+10 TO STA. 75+60
7	PAVEMENT STRIPING PLAN
8	DISTRICT ONE, TYPICAL PAVEMENT MARKINGS, TC-13
9	BUTT JOINT AND HMA TAPER DETAILS, BD-32, DISTRICT ONE
10	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING, BD-8

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

## PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**VILLAGE OF HAZEL CREST** 

FAU 2835 (CALIFORNIA AVE.), 175<sup>th</sup> ST. TO 171<sup>st</sup> ST. **PAVEMENT RESURFACING COOK COUNTY** SECTION 10-00079-00-RS PROJECT No. M-9003 (856) JOB No. C-91-021-12

**R13E** 3RD P.M. PROJECT ENDS STA. 75+60 PROJECT BEGINS

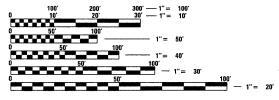
STA, 50+50

PROJECT LOCATED IN **VILLAGE OF HAZEL CREST** 

**DESIGN DESIGNATION:** 390(28) COLLECTOR 2.51 (HMA8)

TRAFFIC DATA:

SPEED LIMIT ON CALIFORNIA AVENUE - 25 MPH



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

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

CONTRACT NO. 63701

LICENSE EXPIRATION DATE: 11/30/2013

Chandra S. Trivede

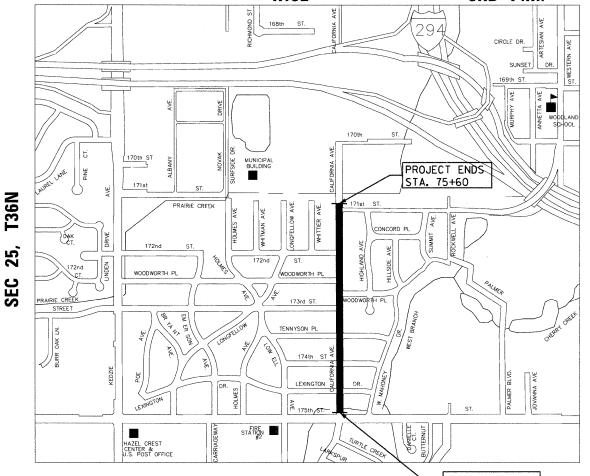
PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 63701

COUNTY

STA. 50+50 TO STA. 75+60 FED. ROAD DIST. NO. ILLINOIS

FILE NAME: P:\projects\05726\030\C\Sheet\C01.dgn
PLOT DATE: 2/1/2012



LOCATION MAP

GROSS LENGTH OF ROJECT = 2,600 FT = 0.49 MILE

NET LENGTH OF PROJECT = 2,510 FT = 0.48 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS** Kolet Danoldson Village President, Village of Hazel Cres MARCH ZG, ZOIZ Passed Releasing for Bid Based on Limited

MARCH 26, 2012

Diane M. O'Keefe eputy Director of Highways, Region

LOCATION OF SECTION INDICATED THUS: - -

2. THE TERM "VILLAGE" USED HEREIN IN REFERENCE TO NOTIFICATION(S) BY OR PERMIT(S)/PERMISSION(S) TO BE OBTAINED BY THE CONTRACTOR SHALL MEAN THE MUNICIPAL OFFICIAL DULY DESIGNATED BY THE VILLAGE BOARD FOR THE PURPOSE. THE CONTRACTOR SHALL CONTACT THE VILLAGE MANAGER'S OFFICE AT (708) 335-9600 TO GET THE NAME(S) AND CONTACT INFORMATION OF SUCH DESIGNATED OFFICIALS/STAFF.

3. A MINIMUM OF TWO (2) WORKING DAYS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123 OR 811) TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES STAKED OR OTHERWISE MARKED AT THE SITE.

4. IF AND WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED BY PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS OR CATCH BASINS, AND PROVIDE ADEQUATE FACILITIES TO TAKE IN ALL STORM WATER INCLUDING PUMPING AND A TEMPORARY OUTLET. IF NECESSARY, THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

5. THE CONTRACTOR SHALL MAKE EVERY POSSIBLE EFFORT TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING EXISTING MANHOLES, CATCH BASINS, INLETS OR DRAINAGE DITCHES, ANY SUCH DEBRIS. DETERMINED BY THE VILLAGE TO BE PRESENT IN SUCH STRUCTURES DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE PROMPLTLY REMOVED AND DISPOSED OFF BY THE CONTRACTOR TO THE VILLAGE'S SATISFACTION AT NO ADDITIONAL COMPENSATION.

6. ALL REMOVAL OF CURB AND GUTTER, SIDEWALK, DRIVEWAYS AND PAVEMENT ETC. SHALL BE BY SAWCUTTING TO ENSURE A CLEAN REMOVAL WITHOUT DAMAGING OR GAUGING THE PORTION(S) TO REMAIN. ALL SUCH DAMAGE OR GAUGING SHALL BE REPAIRED BY THE CONTRACTOR TO THE VILLAGE'S SATISFACTION WITHOUT ANY ADDITIONAL COMPESATION. THE SAWCUTTING SHALL NOT BE COMPENSATED FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE REMOVAL OF THE ITEM INVOLVED.

7. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE ACCESS TO ALL PROPERTIES ADJACENT TO THE PROPOSED IMPROVEMENT. THE COST OF THIS WORK SHALL NOT BE COMPENSATED FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS REMOVAL ITEMS.

8. ALL UTILITIES AND THE ASSOCIATED DATA SHOWN ON THE PLANS ARE FROM THE AVAILABLE RECORDS AND REPRESENT THE BEST AVAILABLE INFORMATION. HOWEVER, THEIR ACCURACY OR COMPLETENESS IS NOT GUARANTEED. IT SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY TO CONTACT JULIE (1-800-892-0123 OR 811) AND VARIOUS UTILITY FIRMS AND/OR ORGANIZATIONS HAVING FACILITIES AT THE SITE TO DETERMINE THEIR ACTUAL LOCATIONS, AND OTHER DETAILS, AND DETERMINE WHETHER THEY ARE IN CONFLICT WITH THE PROPOSED WORK. THE CONTRACTOR SHALL BRING ALL SUCH CONFLICTS TO THE ENGINEER'S ATTENTION AND SHALL NOT PROCEED WITH THE PORTION OF THE WORK IN CONFLICT UNTIL THE RESOLUTION OF THE CONFLICT(S) AND THE AUTHORIZATION TO PROCEED.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS, WHETHER OR NOT SUCH UTILITIES ARE SHOWN ON THE PLANS. ANY UTILITY DAMAGED DURING CONSTRUCTION, SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER, BY THE CONTRACTOR WITHOUT ANY ADDITIONAL COMPENSATION.

10. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROVISIONS FOR PEDESTRIAN TRAFFIC THROUGH THE CONSTRUCTION AREA AT ALL TIMES AND SEEK THE VILLAGE'S PERMISSION FOR ANY UNAVOIDABLE OBSTRUCTION(S) TO SUCH TRAFFIC.

11. LOCAL ACCESS ON ALL SECONDARY STREETS MUST BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR WHEN CONSTRUCTION IS NOT TAKING PLACE AT SUCH LOCATION. ALL TRAFFIC OBSTRUCTIONS TO SUCH STREETS SHALL BE REMOVED ON WEEKENDS. HOLIDAYS AND OVERNIGHT, UNLESS SPECIFICALLY AND EXPLICITLY PERMITTED BY THE VILLAGE.

BUTT JOINT AND HMA TAPER DETAILS, BD-32, DISTRICT ONE DISTRICT ONE, TYPICAL PAVEMENT MARKINGS, TC-13

### **DISTRICT 1 DETAILS**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING, BD-8

### **Globetrotters ENGINEERS - ARCHITECTS** 300 S Wacker Drive Chicago, Illinois 60606 U.S.A.

Ph 312-922-6400

\projects\05726\030\C\Sheet\C02.dgn

USER NAME = boris.shkolnik	DESIGNED - CST	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = N.T.S.	CHECKED - CST	REVISED ~
PLOT DATE = 2/1/2012	DATE -	REVISED -

### STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	PAVEMENT RESURFACING PLAN				F.A. RTE.	SECTION		TOTAL SHEETS	SHEET NO.	
	GENERAL NOTES, IDOT STANDARDS & SUMMARY OF QUANTITIES					2835	10-00079-00-RS	COOK	10	2
							CALIFORNIA AVE.	CONTRACT	NO. 63	370/
SCALE: N.T.S. SHEET NO. 2 OF 10 SHEETS STA. 50+50 TO STA. 75+60				FED. RO	AD DIST. NO. ILLINOIS FED. AI	D PROJECT				

## SUMMARY OF QUANTITIES

	CODED ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE
	20200100	EARTH EXCAVATION	CU YD	65	0005
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	250	0005
	25200100	SODDING	SQ YD	250	0005
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	990	0005
	40600300	AGGREGATE (PRIME COAT)	TON	20	0005
	40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	450	0005
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	625	0005
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	850	0005
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	590	0005
	42400800	DETECTABLE WARNINGS	SO FT	95	0005
	44000500	COMBINATION CURB AND GUTTER REMOVAL	F00T	340	0005
	44000600	SIDEWALK REMOVAL	SO FT	590	0005
Ī	44201747	CLASS D PATCHES, TYPE IV. 8 INCH	SQ YD	980	0005
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	0005
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	0005
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	8	0005
	60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	1	0005
	60611811	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (MODIFIED)	FOOT	340	0005
	67100100	MOBILIZATION	L SUM	1	0005
I	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0005
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	00 <i>05</i>
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	F00T	1.010	0005
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	250	00 <i>05</i>
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	F00T	150	00 <i>05</i>
	LR400510	REJUVENATING AGENT	GALLON	990	0005
*	LR400520	HOT IN-PLACE RECYCLING-SURFACE RECYCLING	SQ YD	9, 900	0005
*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3, 550	0005
	XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SO YD	10	0005
	Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SO YD	15	0005
	Z0004522	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	20	0005
	Z0004544	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	40	0005
	Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	ĆU YD	65	0005
•		* SPECIALITY ITEMS			

### IDOT STANDARDS

STANDARD NO.	NAME OF STANDARD
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
604001-03	FRAME AND LIDS TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE 2L, 2W SHORT TIME OPERATION
701501-06	URBAN LNE CLOSURE, 2L, 2W, UNDIVIDED
701801-05	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS

COUNTY SHEETS NO.

COOK 10 3

CONTRACT NO. 6370/

SECTION

10-00079-00-RS

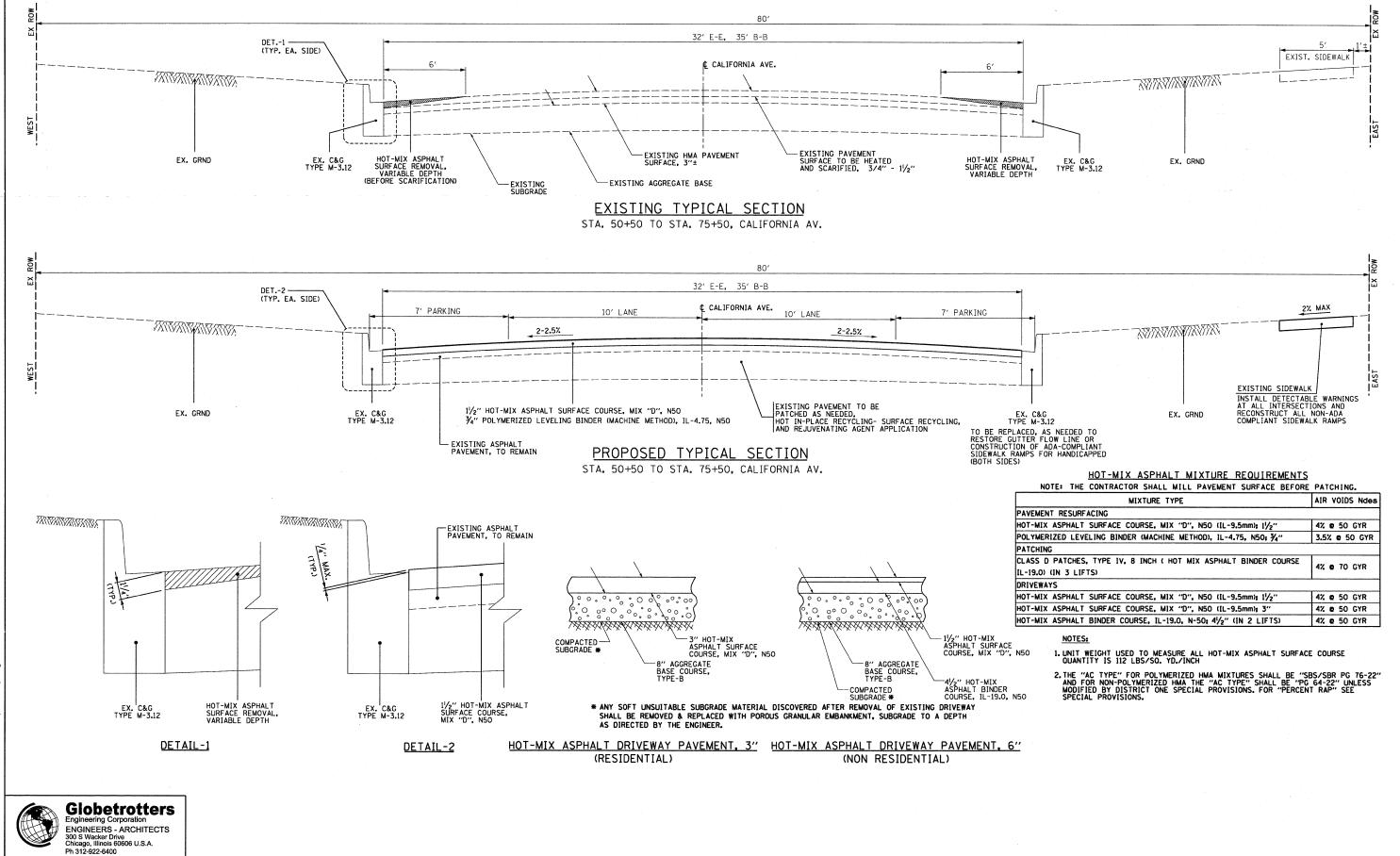
CALIFORNIA AVE.

TO STA. 75+60

PAVEMENT RESURFACING PLAN

TYPICAL CROSS SECTIONS

SCALE: N.T.S. SHEET NO. 3 OF 10 SHEETS STA. 50+50



STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

REVISED

REVISED

REVISED

REVISED

DESIGNED - CST

CHECKED - CST

- BS

DRAWN

DATE

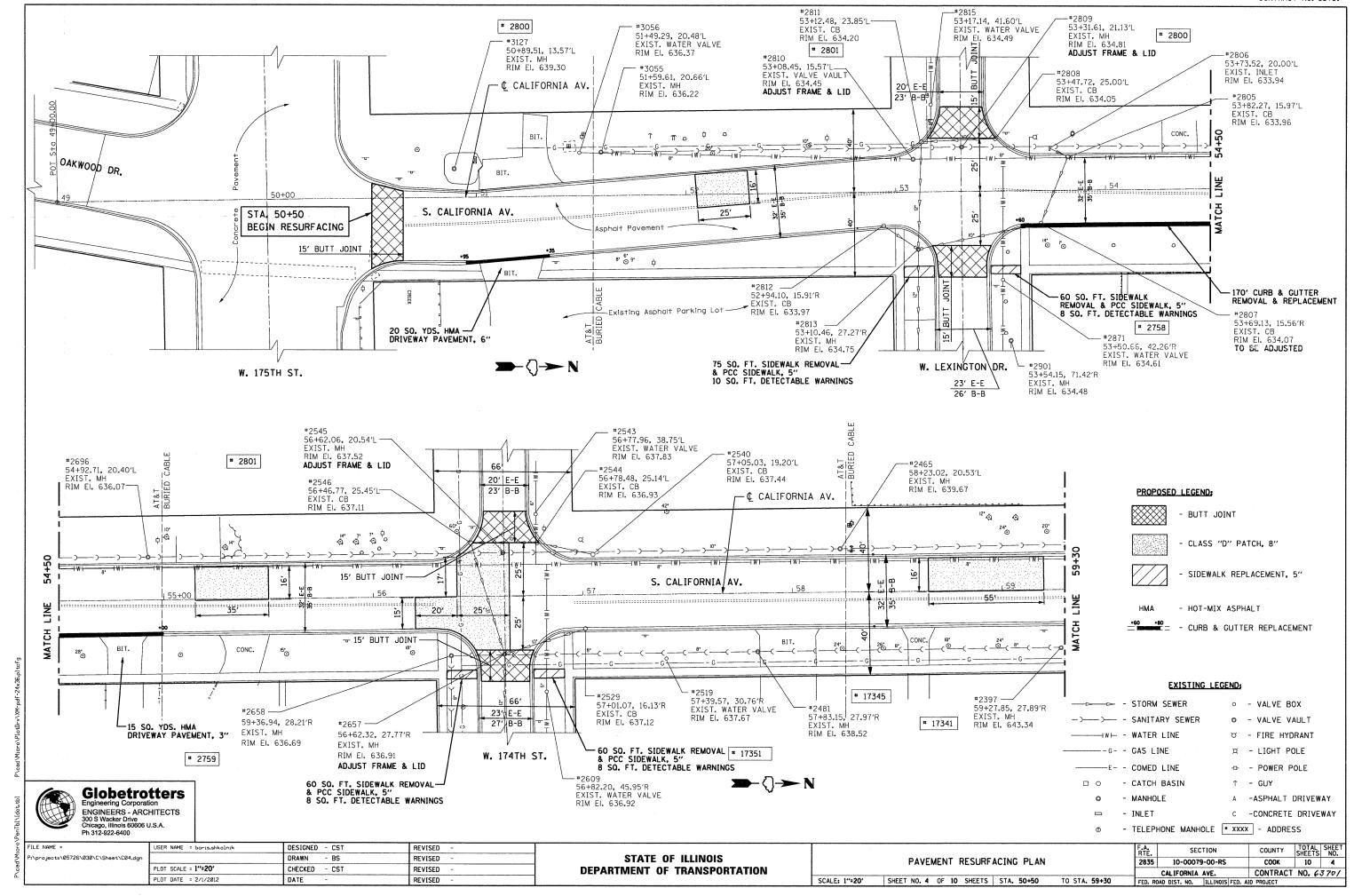
P\cad\Micro\PenTbl\Idot.tbl P\cad\M

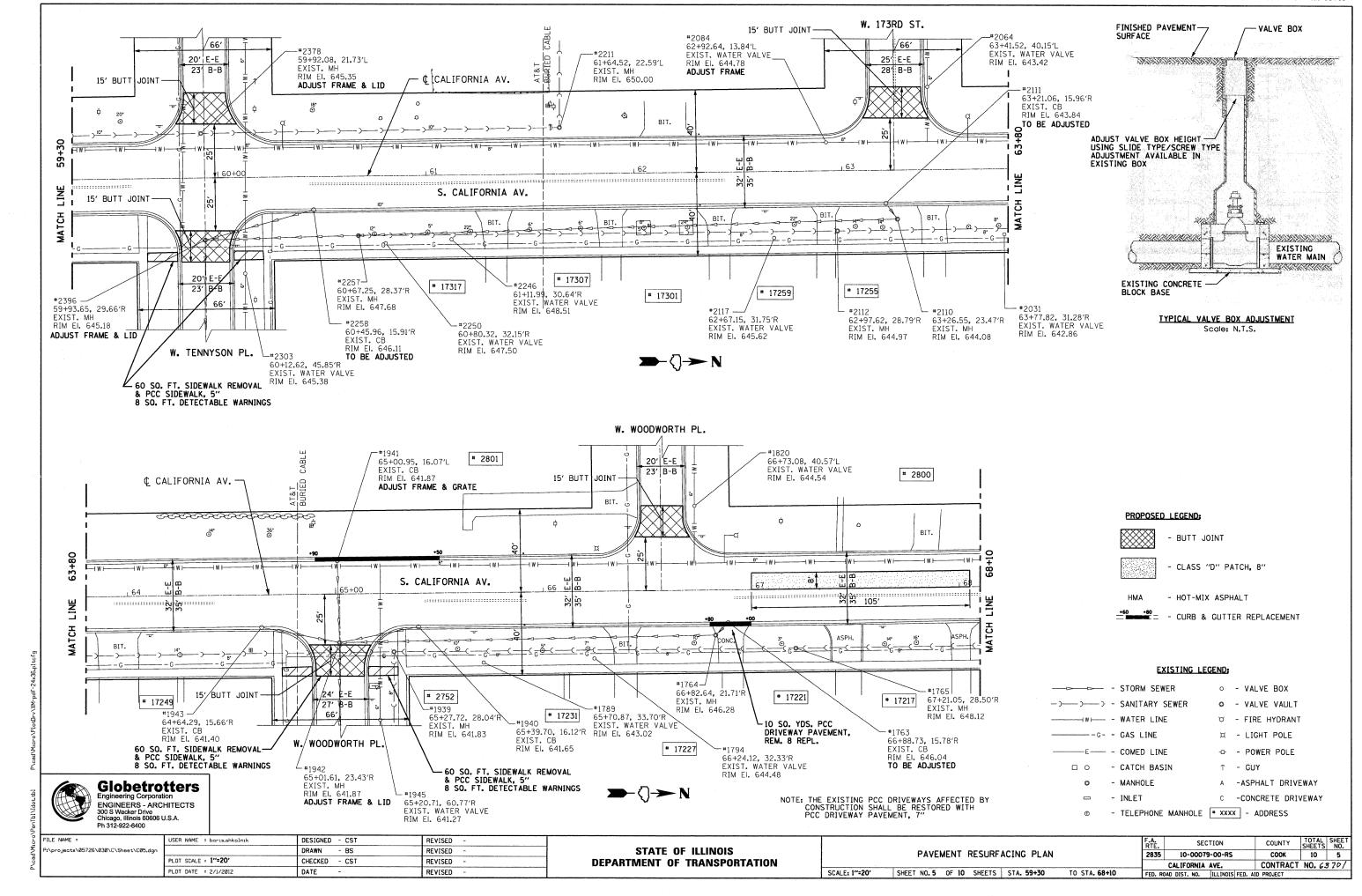
:\projects\05726\030\C\Sheet\C03.da

USER NAME = boris.shkolnik

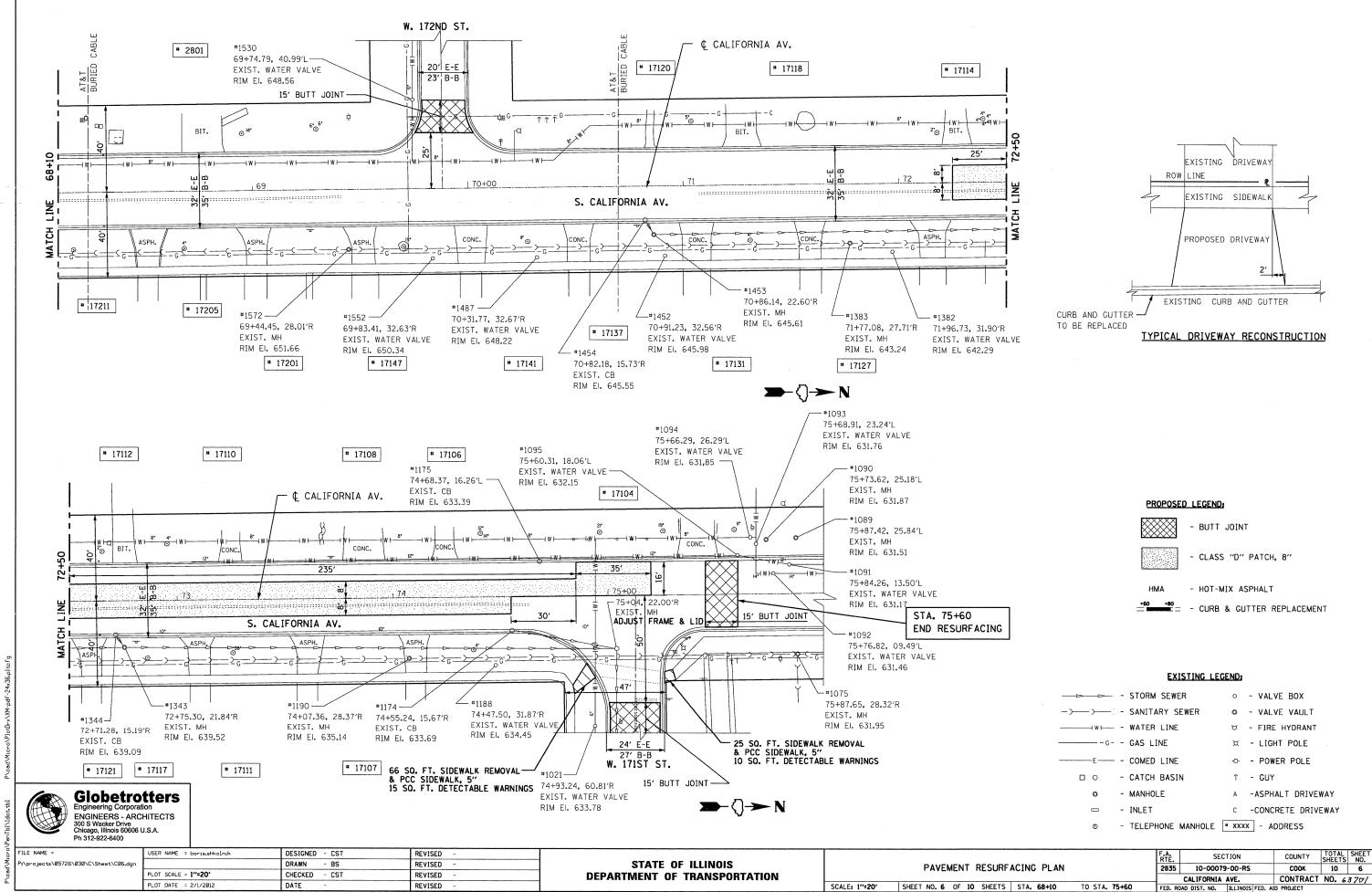
PLOT SCALE : N.T.S.

PLOT DATE = 2/1/2012

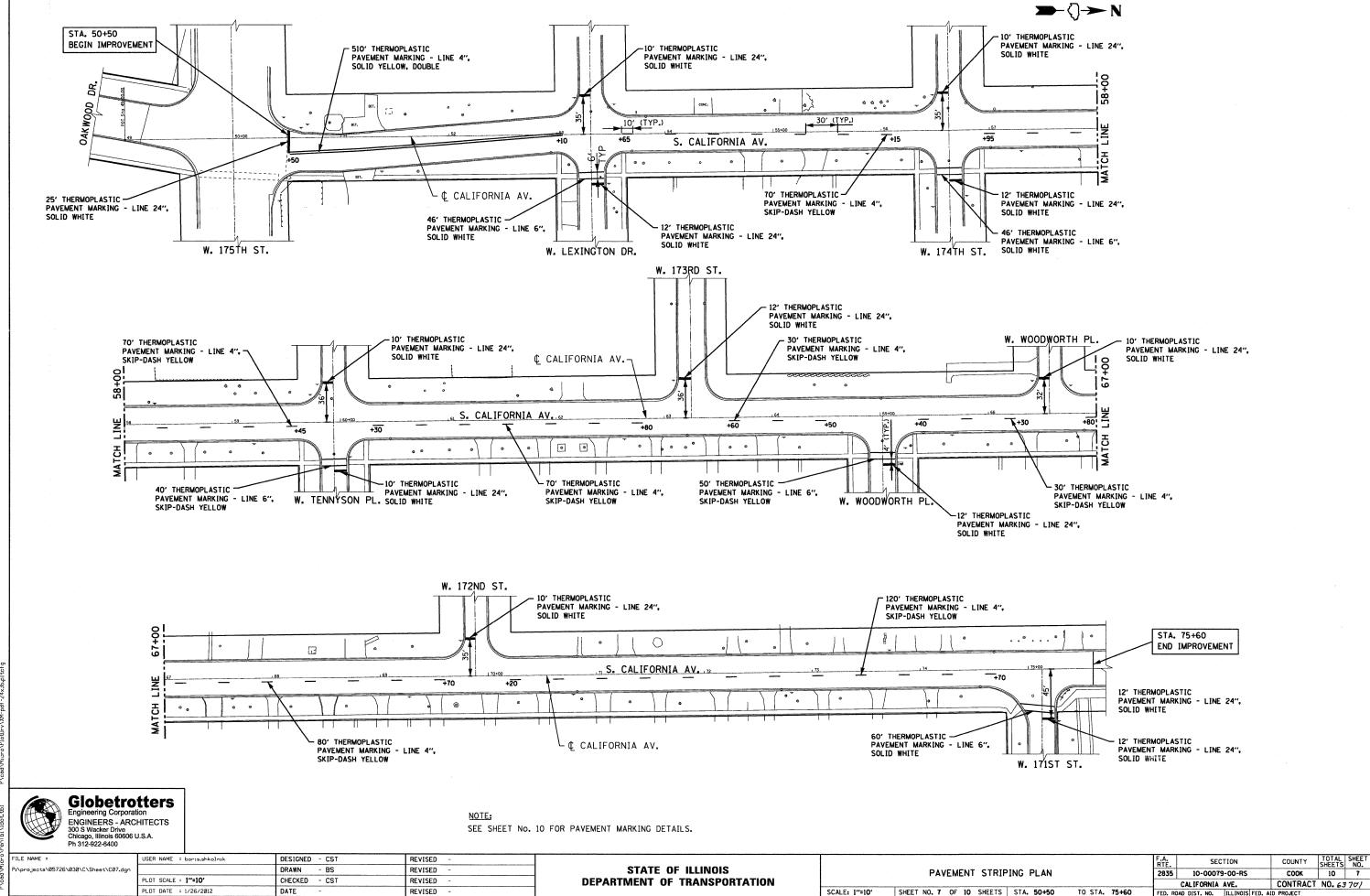


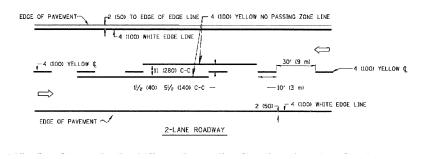


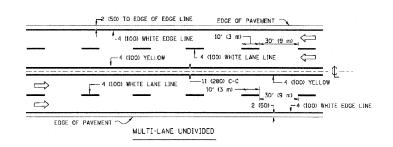
Willey.

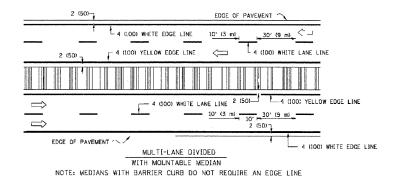


FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

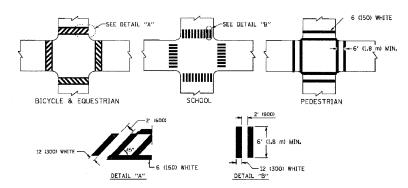




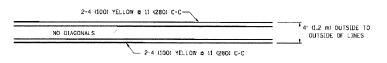




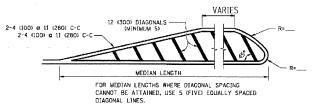
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

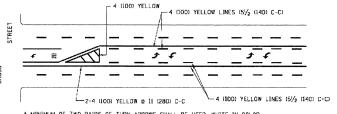


4' (1.2 m) WIDE MEDIANS ONLY



DIACONAL 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.



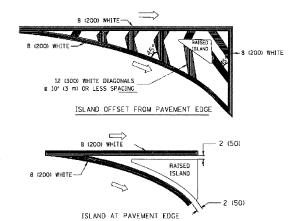
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

# ──50' (15 m) TO 200' (60 m) ¥ 16' (5 m) — 10' (3 m) 6 (150) WHITE 0VER 200' (60 m) 10' (3 m) 6 (150) WHITE

\* 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

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 WULTI-LANE UNDIVIDED PAYEMENT	2 6 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 & 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW: EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 8 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LIME WITH 30' (9 m) SINACE 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 m 6 (150) 12 (300) m 45° 12 (300) m 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (L8 m) APART 2' (GOD) APART 2' (GOD) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARKALLEL TO GROSSWALK, IF PRESENT. OTHERNISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) 10 45MPH (70 km/h) 30' (9 m) C-C 10VER 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 m²) EACH "X"-54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) <b>2</b> 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/ 150' (45 m) C-C (0VER 45MPH (70 km/h))

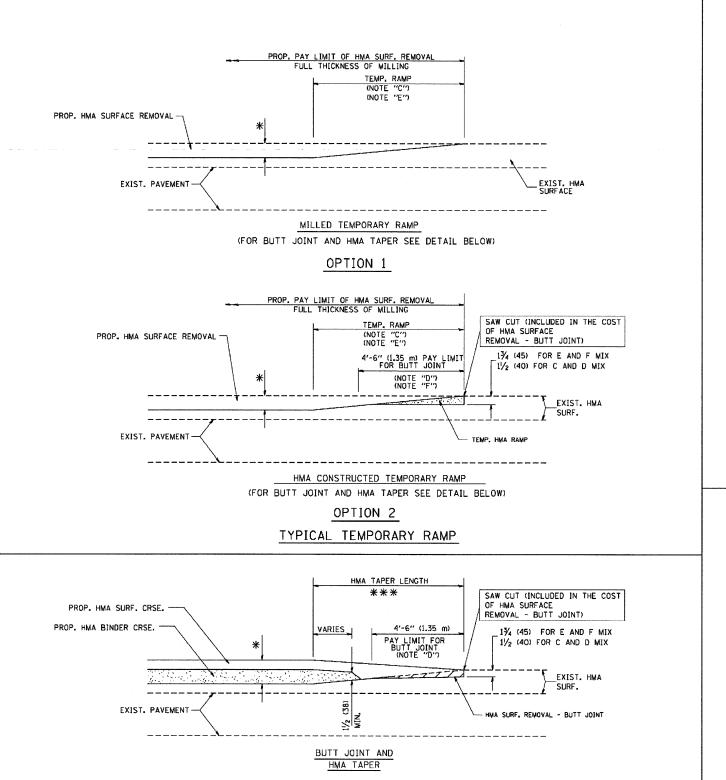
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

REVISIO	NS	THE INOTE DEDART	MENT OF TRANSPORTATION
NAME	DATE	ILLINOIS DEFART	MENT OF TRANSPORTATION
EVERS	03-19-90		
T. RAMMACHER	10-27-94	TZIA	RICT ONE
C. JUCIUS	09-09-09		
		TYPICA	L PAVEMENT
		1.47	ARKINGS
		1917	AINTINGS
		SCALE: NONE	DRAWN BY CADD
			CHECKED BY
30/C/Sheet/C09.dgn			TC-13

DATE NAME SCALE NAME

Pt/projects/05726/030/C/Sheet/C09.dgn 2/1/2012 2:54:47 PM



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

2835 10-00079-00-RS COOK 10 9 STA, 50+50 TO STA, 75+60 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT PROP. HMA OR PCC
SURFACE REMOVAL - BUTT JOINT
30'-0" (9.0 m) (NOTE "A")
15'-0" (4.5 m) (NOTE "B") SAW CUT (INCLUDED IN THE COST EXIST. HMA OR PCC SURFACE OF HMA OR P.C.C. SURFACE REMOVAL - BUTT JOINT) (NOTE "D") 13/4 (45) FOR F AND F MIX 1/2 (40) FOR C AND D MIX \* \* EXIST. PAVEMENT BUTT JOINT DETAIL TAPER LENGTH \* \* VARIES PROP. HMA SURF. CRSE. 13/4 (45) FOR E AND F MIX PROP. HMA BINDER CRSE. 1/2 (40) FOR C AND D MIX \* \* EXIST. PAVEMENT 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. 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")

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

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".

BASIS OF PAYMENT:

ME A 1210	mo l	
NAME	DATE	
M. DE YONG	6-13-90	
M. DE YONG	7-3-90	
M. DE YONG	3-27-92	
R. SHAH	09/09/94	
R, SHAH	10/25/94	
A. ABBAS	03/21/97	
M. COMEZ	04/06/01	
R. BORO	01/01/07	
		S

DEVISIONS

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

DRAWN BY CHECKED BY BD400-05 (VI=BD32)

CONTRACT NO.63701 COUNTY TOTAL SHEET NO.

RTE. SECTION

Ps/projects/05726/030/C/Sheet/C08.dgn 1/26/2012 9:57:06 AM

DATE = 3/5/2007
NAME = Ki\distatd\b
SCALE = 50.0000 '/ |
NAME = bauerd!

4

### 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 PAYEMENT 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 SMALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SMALL 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
- 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.

### 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 = boris.shkolnik	DESIGNED - CST	REVISED -
P:\projects\05726\030\C\Sheet\Cl0.dgn		DRAWN - BS	REVISED -
,	PLOT SCALE N.T.S.	CHECKED - CST	REVISED -
	PLOT DATE = 2/1/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING					SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							10	10
					BD600-03 (BD-8)	CONTRACT	NO. 63	370/
SCALE: NONE SHEET NO. 10 OF 10 SHEETS STA. TO STA.			FED. R	DAD DIST. NO. 1   ILLINOIS FED. A	D PROJECT			