

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

PLAN - 1"=20'  
PROFILE HORIZ. - N.A.  
PROFILE VERT. - N.A.  
CROSS SECTIONS HORIZ. - N.A.  
CROSS SECTIONS VERT. - N.A.

F.A.P. ROUTE 348  
HARLEM AVENUE SIDEWALK CONSTRUCTION  
CAL-SAG BRIDGE TO 115TH STREET  
S.T.P. PROJECT NO.: F-348-(031)  
SECTION NO.: 04-00050-00-SW  
VILLAGE OF WORTH  
COOK COUNTY  
C-91-009-05

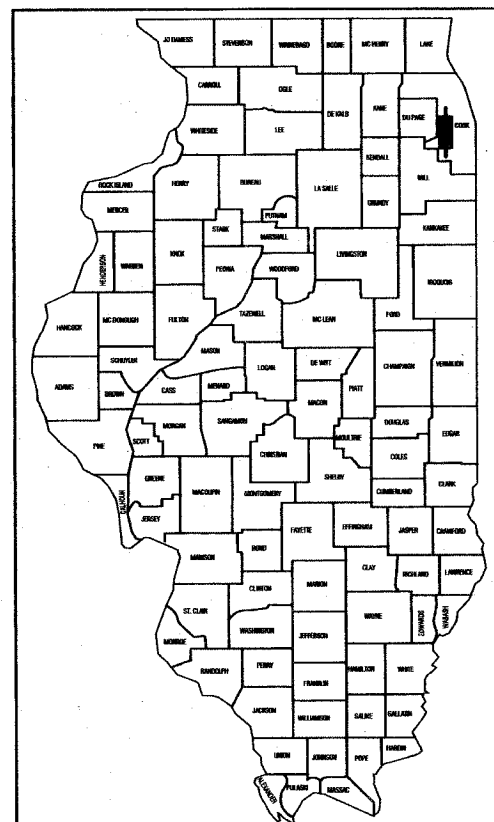
F.A.P. NO.	CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
348	83871	COOK	4	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

1. COVER SHEET
2. SUMMARY OF QUANTITIES, GENERAL NOTES & TYPICAL CROSS SECTIONS
3. PLAN SHEET
4. DISTRICT 1 TYPICAL PAVEMENT MARKINGS

STATE STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-04 CURB RAMPS FOR SIDEWALKS
- 606001-02 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
- 701101-01 OFF-ROAD OPERATIONS, MULTI-LANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
- 702001-06 TRAFFIC CONTROL DEVICES
- 701801-03 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved: *Edward J. King, Jr.*  
NORTH VILLAGE PRESIDENT 08/28/06  
Local Agency Position

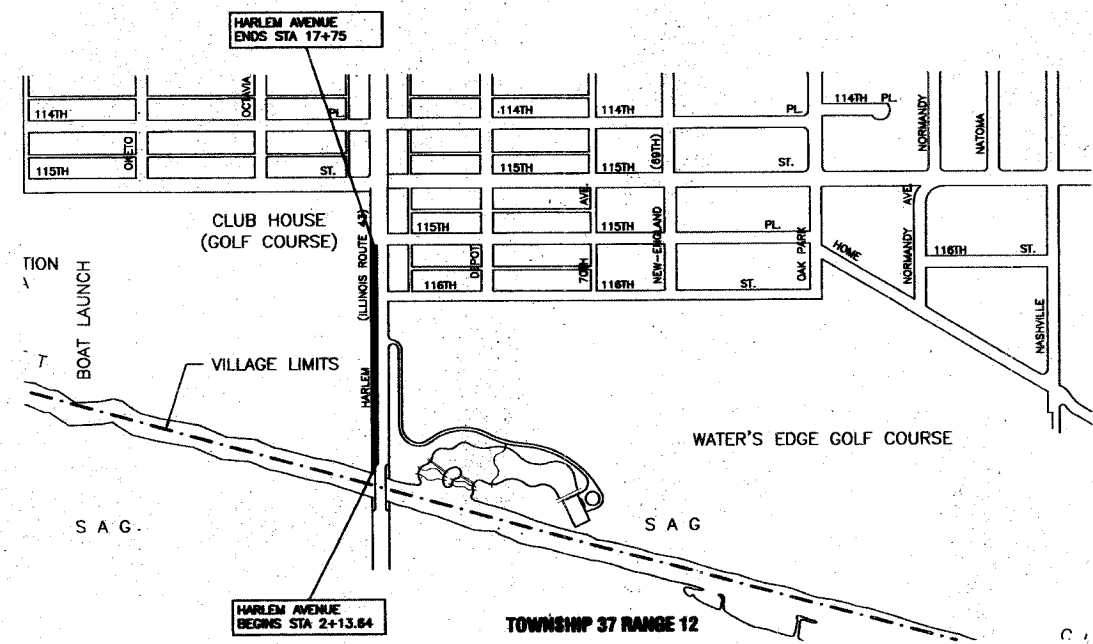
Passed: *Christine Holt*  
SEPTEMBER 1, 2006  
District 1 Engineer of Local Roads & Streets

Reviewed for Bid: *Diane O'Keefe*  
Based on Limited Review: Sept. 11, 2006  
Deputy Director of Highways, Region 8 Engineer

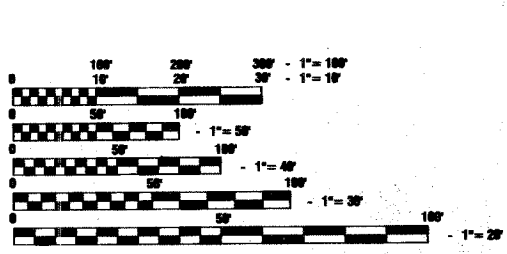
DESCRIPTION OF IMPROVEMENT  
THIS IMPROVEMENT CONSISTS OF EARTH EXCAVATION, SIDEWALK CONSTRUCTION, AND ALL INCIDENTAL WORK AS NECESSARY TO COMPLETE THE IMPROVEMENT SHOWN HEREIN AND AS DESCRIBED IN THE SPECIFICATIONS.

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

*J. K. B.*  
8-17-06



LOCATION MAP - N.T.S.  
GROSS LENGTH=1061.36 FEET=0.200 MILES  
NET LENGTH=1061.36 FEET=0.200 MILES



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.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-868-892-0123

CONTRACT NO. 83871

FEDERAL AID DESIGN ENGINEER: JESSICA MILLER 847-705-4487  
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

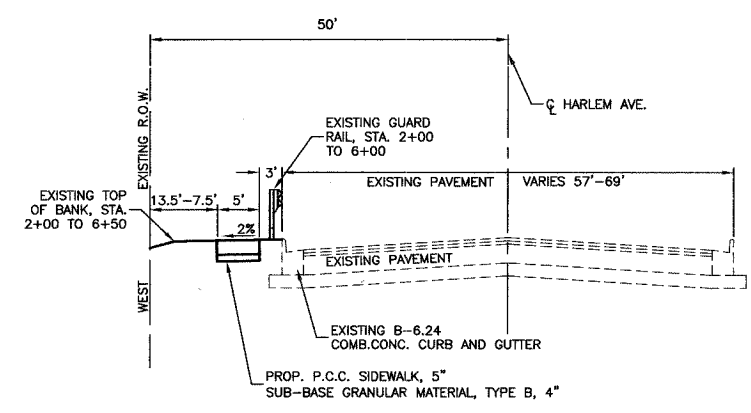
F.P. NO.	CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
348	63871	COOK	4	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	SIDEWALKS	MARKINGS	LANDSCAPE
					CONSTRUCTION TYPE CODE		
					SFTY-1B	SFTY-1D	Y003
	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	250.8	250.8		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000			1000
	25000210	SEEDING, CLASS 2A	ACRE	0.20			0.20
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2			2
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2			2
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2			2
	25100630	EROSION CONTROL BLANKET	SQ YD	968			968
	28000400	PERIMETER EROSION BARRIER	FOOT	1489	1489		
	31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	836	836		
	42001300	PROTECTIVE COAT	SQ YD	836	836		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7525	7525		
	42400800	DETECTABLE WARNINGS	SQ FT	48	48		
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	30	30		
	67100100	MOBILIZATION	L SUM	1	1		
	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	90		90	

\* - INDICATES SPECIALTY ITEMS

**GENERAL NOTES**

- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- WHEN, IN THE CONSTRUCTION OPERATION, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH DAY BY THE CONTRACTOR AT HIS EXPENSE. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE DEPARTMENT DOES NOT GUARANTEE ITS ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY INVOLVED. ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT WILL BE DONE BY THE RESPECTIVE OWNERS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY THESE ADJUSTMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS. PLANS FOR THESE ADJUSTMENTS WILL BE ON FILE IN THE OFFICE OF THE COOK COUNTY HIGHWAY DEPARTMENT, BUREAU OF CONSTRUCTION FOR INFORMATION AND USE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4150 A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL ALSO CONTACT ROBINSON ENGINEERING (708) 331-6700, AND THE VILLAGE OF WORTH (708) 448-4256 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ALL PAVEMENT, CURB AND SIDEWALK REMOVALS SHALL BE MADE BY MEANS OF STRAIGHT SAW CUT JOINT. THE COST FOR SAW CUTTING SHALL BE INCIDENTAL TO THE CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2002, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.



TYPICAL CROSS SECTION  
STA. 2+13.64 TO STA. 17+75

NOTE: RESTORATION SHALL BE LIMITED TO 2' ON EITHER SIDE OF THE SIDEWALK UNLESS OTHERWISE APPROVED BY THE ENGINEER.

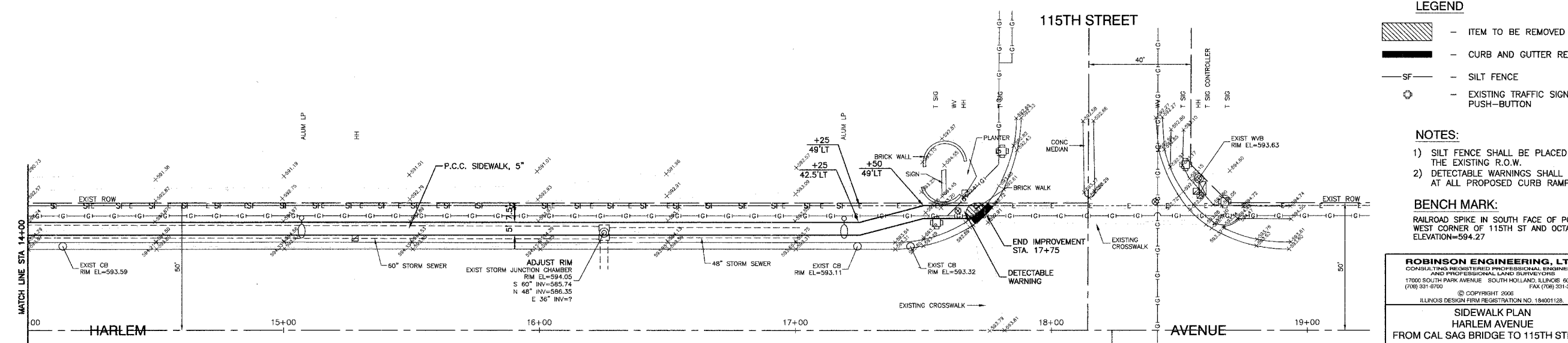
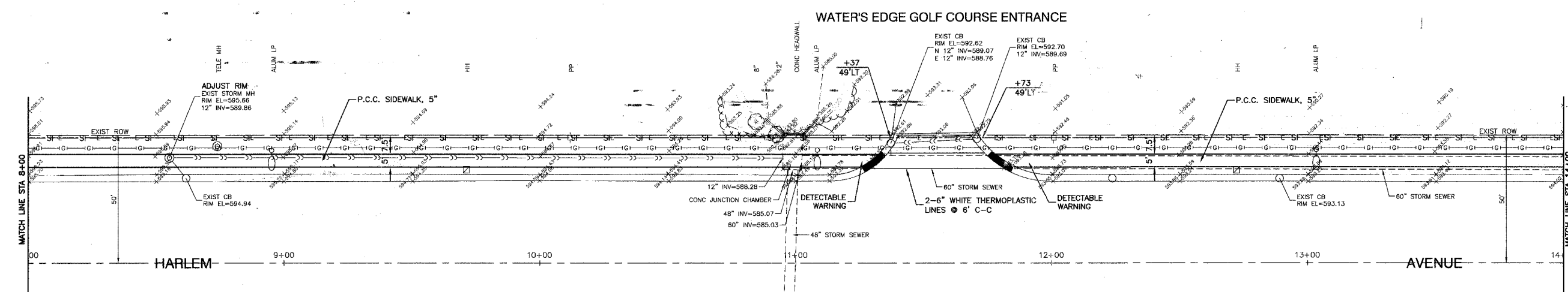
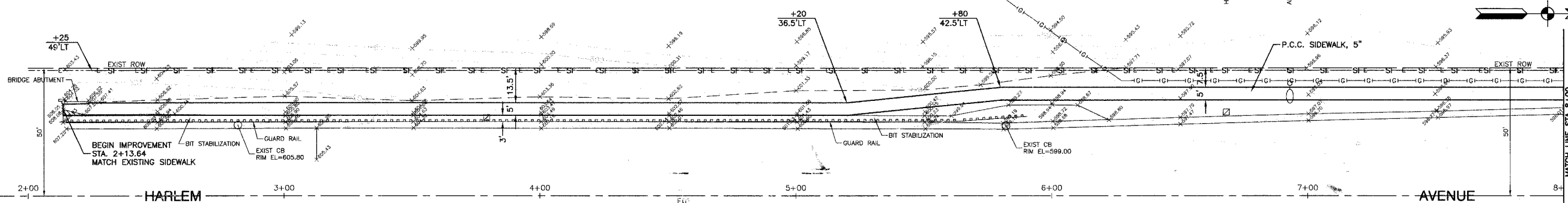
**EARTHWORK QUANTITIES**

TOTAL CUT - 250.8 CY  
TOTAL FILL - 10 CY  
CUT TO FILL - 10 CY

<b>ROBINSON ENGINEERING, LTD.</b> CONSULTING REGISTERED PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3826		<b>REVISIONS</b> No. Date Remarks	
© COPYRIGHT 2006 ILLINOIS DESIGN FIRM REGISTRATION NO. 154001128			
<b>SUMMARY OF QUANTITIES &amp; GENERAL NOTES &amp; TYPICAL SECTION</b> <b>HARLEM AVENUE SIDEWALK CONSTRUCTION</b> SECTION NO. 04-0050-00-SW			
<b>WORTH,</b>		<b>ILLINOIS</b>	
Drawn by: LTL	Date:		
Checked by: PKB/WPD	Scale: NONE		
Sheet 002 of 004	Project No. 04-625		

SECTION 24, TOWNSHIP 37, RANGE 12

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	83871	COOK	4	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**LEGEND**

- ITEM TO BE REMOVED
- CURB AND GUTTER REMOVAL AND REPLACEMENT
- SILT FENCE
- EXISTING TRAFFIC SIGNAL WITH PEDESTRIAN PUSH-BUTTON

- NOTES:**
- SILT FENCE SHALL BE PLACED 1' INSIDE THE EXISTING R.O.W.
  - DETECTABLE WARNINGS SHALL BE CONSTRUCTED AT ALL PROPOSED CURB RAMP LOCATIONS.

**BENCH MARK:**  
RAILROAD SPIKE IN SOUTH FACE OF POWER POLE AT NORTH WEST CORNER OF 115TH ST AND OCTAVIA AVE ELEVATION=594.27

**ROBINSON ENGINEERING, LTD.**  
CONSULTING REGISTERED PROFESSIONAL ENGINEERS  
AND PROFESSIONAL LAND SURVEYORS  
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473  
(708) 331-8700 FAX (708) 331-3825

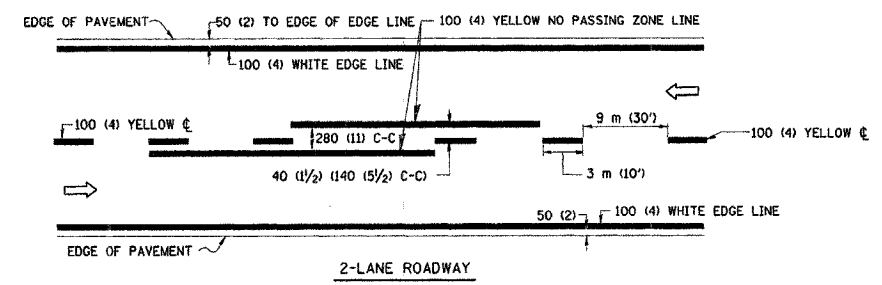
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ILLINOIS DESIGN FIRM REGISTRATION NO. 134001128

**SIDEWALK PLAN  
HARLEM AVENUE  
FROM CAL SAG BRIDGE TO 115TH STREET**

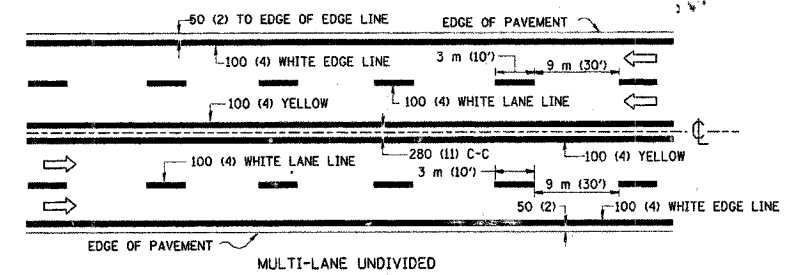
**WORTH ILLINOIS**

Drawn by: AG/LTL Date: \_\_\_\_\_  
Checked by: WPD Scale: 1"=20'  
Sheet 3 of 4 Project No. 04-356

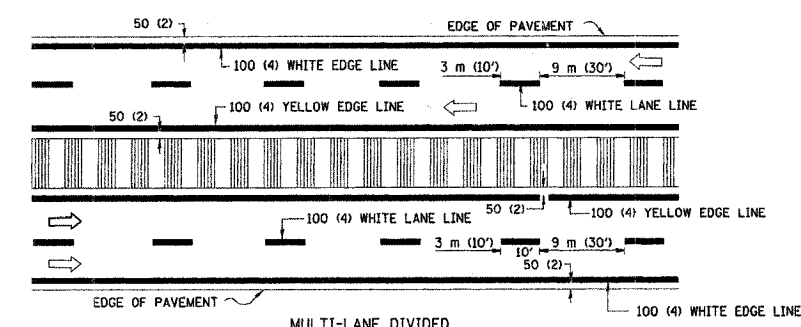
REVISIONS		
No.	Date	Remarks



2-LANE ROADWAY



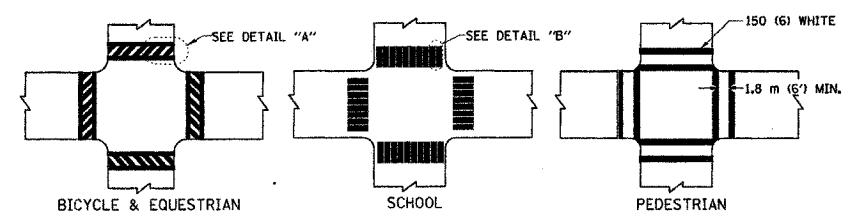
MULTI-LANE UNDIVIDED



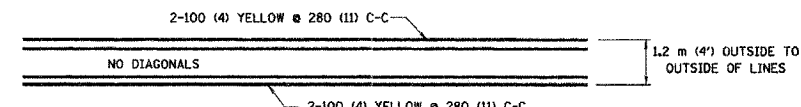
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

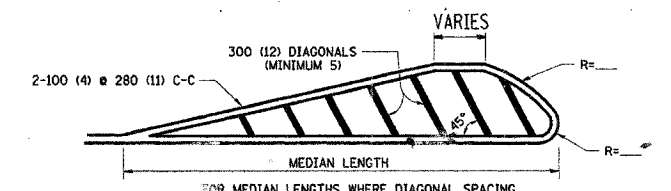
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

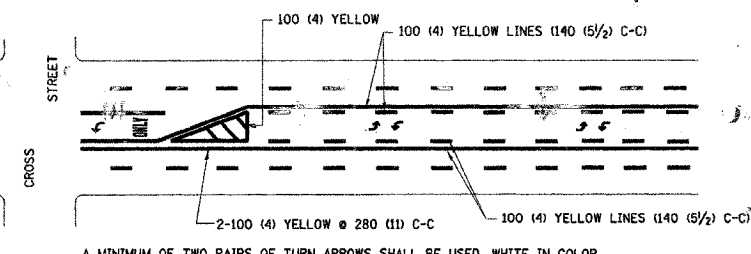


1.2 m (4') WIDE MEDIANS ONLY

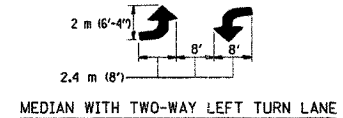


DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))  
25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))  
45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

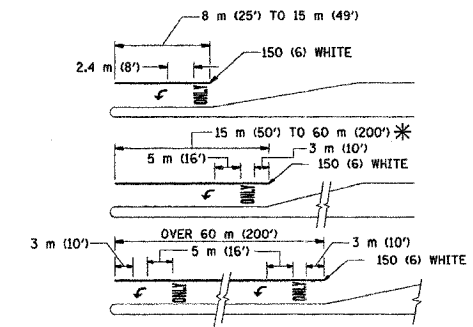
MEDIANS OVER 1.2 m (4') WIDE



TYPICAL PAINTED MEDIAN MARKING



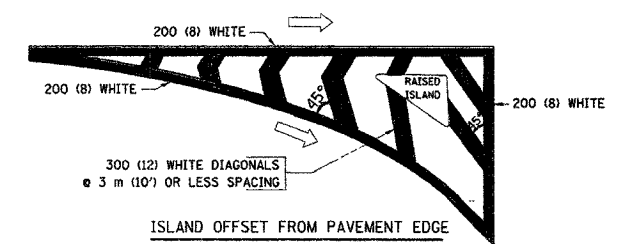
MEDIAN WITH TWO-WAY LEFT TURN LANE



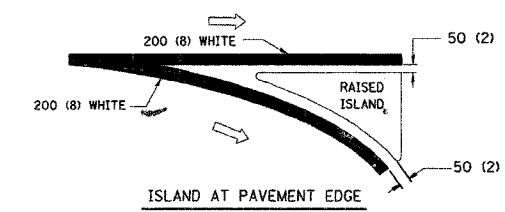
\* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION	100 (4)	SOLID	YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	2.4 m (8') 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 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m² (3.6 SQ. FT.) EACH "X"=5.0 m² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT  
MARKINGS

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

SCALE: NONE  
DATE 03/26/2003

DRAWN BY CADD  
CHECKED BY TC-13  
REVISION DATE: 01/06/00