6-11-10 LETTING ITEM 190

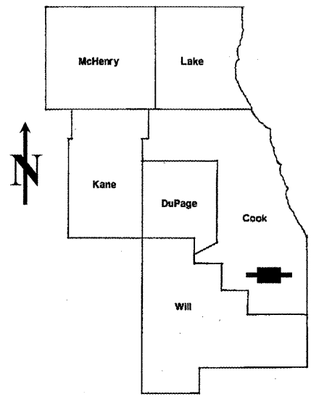
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-018PP	COOK	17	1

CONTRACT NO. 60K37

D-91-476-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT ONE
PROPOSED HIGHWAY PLANS

FOR INDEX OF SHEETS SEE SHEET 2



LOCATION OF IMPROVEMENT INDICATED THUS:

VARIOUS ROUTES
SECTION: 2010-018PP
VARIOUS LOCATIONS IN SOUTHERN COOK COUNTY
PCC PAVEMENT PATCHING
COOK COUNTY
C-91-476-10

CONTRACT NO. 60K37

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: MARCH 22 2010

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010

acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010

DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

J.U.L.I.E.: JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION (312) 744-7000

DISTRICT ONE – DESIGN – PLAN PREPARATION ENGINEER:
KEN ENG / (847) 705-4247

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-07	PAVEMENT JOINTS
420701-02	PAVEMENT FABRIC
442101-07	CLASS B PATCHES
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (OR TOLLWAY) PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (OR ISTHA)

WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT (708) 597-9800 MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

THE EXISTING ROADWAY TYPICAL SECTION IS ASSUMED TO BE 10 INCHES OF PORTLAND CEMENT CONCRETE (PCC) PAVEMENT.

NO PATCHING IS TO BE DONE WITH IN 50 FEET OF ANY RAILROAD.

THE MINIMUM CLASS B PATCH DIMENSIONS SHALL BE A LENGTH OF 6 FEET AND A WIDTH THAT INCLUDES THE FULL WIDTH OF THE TRAVEL WAY.

JOINT SEALING FOR CLASS B PATCHES IS TO BE REPLACED WITH A SOLID PLASTIC BOND BREAKER (1/8" X T/3"; WHERE T IS EQUAL TO THE THICKNESS OF THE PATCH). THE COST OF THE SOLID PLASTIC BOND BREAKER IS TO BE INCLUDED IN THE COST OF THE CLASS B PATCH.

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	PLOT DATE = 4/1/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	2
		CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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SUMMARY OF QUANTITIES			URBAN 1001.STATE	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000					
42101300	PROTECTIVE COAT	SQ YD	4029	4029					
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	150	150					
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	1301	1301					
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	1652	1652					
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	1043	1043					
44213100	PAVEMENT FABRIC	SQ YD	2695	2695					
44213200	SAW CUTS	FOOT	21,699	21,699					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7	7					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
67100100	MOBILIZATION	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	12	12					
*78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	75	75					
*78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2610	2610					
*78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	820	820					
*78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	50	50					
*78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	48	48					
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	236	236					
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	275	275					
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	309	309					
Z0017202	DOWEL BARS 1 1/2"	EACH	7060	7060					
Z0075310	TIE BARS 3/4"	EACH	398	398					

* SPECIALTY ITEM

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT							

Rev

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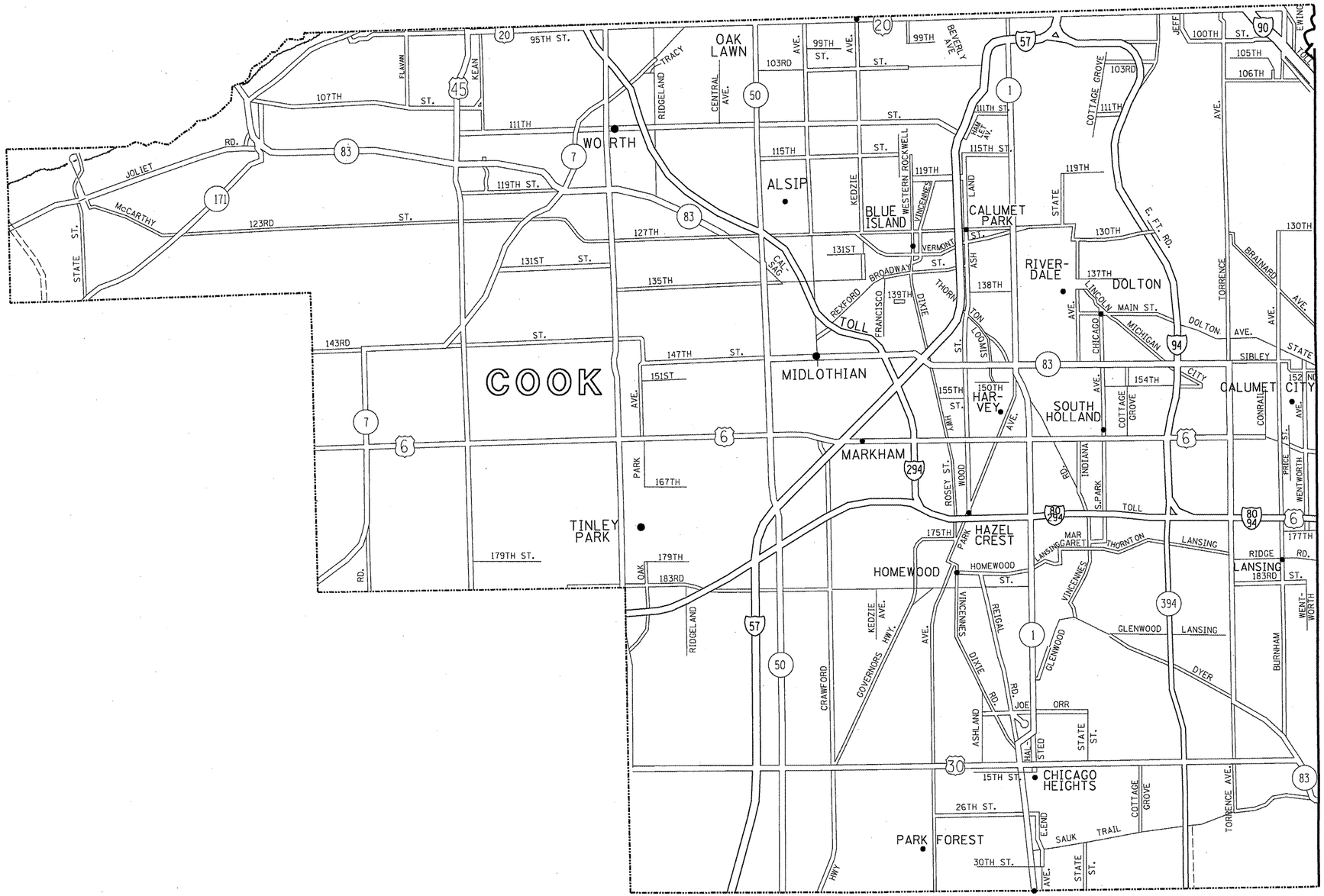
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	3
		CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FILE NAME = c:\pw_work\pwidot\wilgreendp\d0183633\Design.dgn	USER NAME = wilgreendp	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**GENERAL LOCATION MAP – SOUTHERN COOK COUNTY**	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / IN.	DRAWN -	REVISED -			VAR.	2010-018PP	COOK	17	4
	PLOT DATE = 3/30/2010	CHECKED -	REVISED -					CONTRACT NO. 60K37		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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PCC PATCHING SUMMARY - SOUTHERN COOK COUNTY	CLASS B PATCHES, 10" TYPE II (SY)	CLASS B PATCHES, 10" TYPE III (SY)	CLASS B PATCHES, 10" TYPE IV (SY)
135TH ST. (WEST OF CICERO AVE.)	79		108
147TH ST. (EAST AND WEST OF CICERO AVE.)	78		162
159TH ST. (TORRENCE AVE. TO I-94)	56	464	144
CRAWFORD AVE. (159TH ST. TO 175TH ST.)	412	220	288
JOE ORR RD. (HALSTED ST. TO STATE ST.)	220	136	261
PARK AVE. (159TH ST. TO I-80/294)	456	832	80
SUMMARY TOTALS:	1301 (SY)	1652 (SY)	1043 (SY)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF PATCHING SCHEDULE
SOUTHERN COOK COUNTY

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	5
		CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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ROUTE: 135th St. (West of Cicero Ave.) - PCC Pavement — PATCHING = CLASS B

CROSS STREETS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
4700W TO 5200W							
West of Cicero Ave. - Multilane Section Only		EB	1	12	10	120	13
		EB	2	12	20	240	27
		EB	1	12	10	120	13
		EB	2	12	20	240	27
		EB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	2	12	20	240	27
		WB	1	12	10	120	13
		WB	2	12	20	240	27
		WB	1	12	10	120	13
		TOTALS:			**140**		**187**
					FT		**SY**

ROUTE: 147th St. (East and West of Cicero Ave.) - PCC Pavement — PATCHING = CLASS B

CROSS STREETS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
4800W TO 5100W							
EAST AND WEST OF CICERO AVE.		EB	1	12	10	120	13
MULTILANE SECTION ONLY		EB	2	12	20	240	27
NO PATCHING ON 2L, 2W SECTION		EB	1	12	10	120	13
		EB	2	12	20	240	27
		EB	1	12	10	120	13
		EB	2	12	20	240	27
		WB	1	12	10	120	13
		WB	2	12	20	240	27
		WB	1	12	10	120	13
		WB	2	12	20	240	27
		WB	1	12	10	120	13
		WB	2	12	20	240	27
		TOTALS:			**180**		**240**
					FT		**SY**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATCHING SCHEDULE
135TH ST. AND 147TH ST.

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	6
		CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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ROUTE: 159th St. (Torrence Ave. to I-94) - Jointed PCC Pavement — PATCHING = CLASS B

CROSS STREETS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
TORRENCE	GREENWOOD	WB	1	12	12	144	16
		WB	1	12	12	144	16
		WB	1	12	12	144	16
		WB	1	12	12	144	16
		WB	1	12	12	144	16
		WB	1	12	12	144	16
GREENWOOD	I-94	WB	1	12	12	144	16
		WB	1	12	12	144	16
		WB	1	12	12	144	16
		WB	1	12	6	72	8
		WB	1	12	24	288	32
		WB	1	12	6	72	8
		WB	1	12	12	144	16
		WB	1	12	6	72	8
TORRENCE	RING RD	WB	2	12	12	144	16
RING RD	PAXTON	WB	2	12	12	144	16
		WB	2	12	12	144	16
PAXTON	GREENWOOD	WB	2	12	12	144	16
		WB	2	12	12	144	16
GREENWOOD	VAN DAM RD	WB	2	12	12	144	16
		WB	2	12	12	144	16
		WB	2	12	12	144	16
		WB	2	12	12	144	16
VAN DAM RD	I-94	WB	2	12	12	144	16
I-94	VAN DAM RD	EB	1	12	12	144	16
VAN DAM RD	PAXTON	EB	1	12	12	144	16
		EB	1	12	6	72	8
		EB	1	12	6	72	8
		EB	1	12	24	288	32
PAXTON	TORRENCE	EB	1	12	12	144	16
		EB	1	12	6	72	8
I-94	VAN DAM RD	EB	2	12	12	144	16
VAN DAM RD	GREENWOOD	EB	2	12	12	144	16
		EB	2	12	12	144	16
		EB	2	12	30	360	40
		EB	2	12	12	144	16
GREENWOOD	PAXTON	EB	2	12	12	144	16
		EB	2	12	6	72	8
PAXTON	TORRENCE	EB	2	12	12	144	16
		EB	2	12	30	360	40
	TOTALS:				498		664
					FT		SY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATCHING SCHEDULE
159TH ST.

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	7
		CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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ROUTE: Crawford Ave. (159th St. to 175th St.) - PCC Pavement — PATCHING = CLASS B

CROSS STREETS FROM	CROSS STREETS TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
175TH	167TH	NB	1	12	20	240	27
175TH	167TH	NB	1	12	6	72	8
175TH	167TH	NB	1	12	15	180	20
175TH	167TH	NB	1	12	6	72	8
175TH	167TH	NB	1	12	12	144	16
175TH	167TH	NB	1	12	6	72	8
175TH	167TH	NB	1	12	12	144	16
175TH	167TH	NB	1	12	10	120	13
175TH	167TH	NB	1	12	6	72	8
175TH	167TH	NB	1	12	12	144	16
167TH	I-57	NB	1	12	20	240	27
167TH	I-57	NB	1	12	6	72	8
167TH	I-57	NB	1	12	6	72	8
167TH	I-57	NB	1	12	6	72	8
167TH	I-57	NB	1	12	6	72	8
167TH	I-57	NB	1	12	6	72	8
167TH	I-57	NB	1	12	12	144	16
175TH	167TH	NB	2	12	6	72	8
175TH	167TH	NB	2	12	6	72	8
175TH	167TH	NB	2	12	8	96	11
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	8	96	11
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
167TH	I-57	NB	2	12	6	72	8
175H	167TH	SB	1	12	6	72	8
175H	167TH	SB	1	12	8	96	11
175H	167TH	SB	1	12	6	72	8
175H	167TH	SB	1	12	6	72	8
175H	167TH	SB	1	12	12	144	16
175H	167TH	SB	1	12	6	72	8
175H	167TH	SB	1	12	6	72	8

ROUTE: Crawford Ave. (159th St. to 175th St.) - PCC Pavement — PATCHING = CLASS B

CROSS STREETS FROM	CROSS STREETS TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
175H	167TH	SB	1	12	6	72	8
175H	167TH	SB	1	12	20	240	27
175H	167TH	SB	1	12	6	72	8
175H	167TH	SB	1	12	6	72	8
175H	167TH	SB	1	12	12	144	16
175H	167TH	SB	1	12	20	240	27
167TH	159TH	SB	1	12	6	72	8
167TH	159TH	SB	1	12	12	144	16
167TH	159TH	SB	1	12	6	72	8
167TH	159TH	SB	1	12	6	72	8
167TH	159TH	SB	1	12	15	180	20
167TH	159TH	SB	1	12	12	144	16
167TH	159TH	SB	1	12	6	72	8
167TH	159TH	SB	1	12	6	72	8
167TH	159TH	SB	1	12	6	72	8
167TH	159TH	SB	1	12	25	300	33
167TH	159TH	SB	1	12	6	72	8
167TH	159TH	SB	1	12	12	144	16
175TH	167TH	SB	2	12	6	72	8
167TH	I-57	SB	2	12	6	72	8
167TH	I-57	SB	2	12	6	72	8
167TH	I-57	SB	2	12	6	72	8
167TH	I-57	SB	2	12	15	180	20
167TH	I-57	SB	2	12	30	360	40
167TH	I-57	SB	2	12	30	360	40
167TH	I-57	SB	2	12	6	72	8
167TH	I-57	SB	2	12	30	360	40
167TH	I-57	SB	2	12	12	144	16
167TH	I-57	SB	2	12	6	72	8
167TH	I-57	SB	2	12	20	240	27
		TOTALS:			690 FT		920 SY

ROUTE: Joe Orr Rd (Halsted St. to State St) - PCC Pavement — PATCHING = CLASS B

CROSS STREETS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Halsted	State St	EB	1	12	8	96	11
		EB	1	12	6	72	8
		EB	1	12	12	144	16
		EB	1	12	30	360	40
		EB	1	12	20	240	27
		EB	1	12	15	180	20
		EB	1	12	8	96	11
		EB	1	12	6	72	8
		EB	1	12	6	72	8
		EB	1	12	6	72	8
State St	Halsted	WB	1	12	8	96	11
		WB	1	12	6	72	8
		WB	1	12	15	180	20
		WB	1	12	8	96	11
		WB	1	12	6	72	8
Halsted	State	EB	2	12	6	72	8
		EB	2	12	20	240	27
		EB	2	12	25	300	33
		EB	2	12	8	96	11
		EB	2	12	6	72	8
		EB	2	12	6	72	8
		EB	2	12	6	72	8
		EB	2	12	30	360	40
		EB	2	12	20	240	27
		EB	2	12	6	72	8
		EB	2	12	30	360	40
		EB	2	12	8	96	11
		EB	2	12	20	240	27
State	Halsted	WB	2	12	6	72	8
		WB	2	12	15	180	20
		WB	2	12	10	120	13
		WB	2	12	15	180	20
		WB	2	12	6	72	8
		WB	2	12	6	72	8
		WB	2	12	6	72	8
		WB	2	12	10	120	13
		WB	2	12	15	180	20
		WB	2	12	15	180	20
		WB	2	12	8	96	11
				TOTALS:	463		617
					FT		SY

ROUTE:	Park Ave. (159th St. to I-80/294.) - PCC Pavement					PATCHING = CLASS B	
CROSS STREETS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	6	72	8
I-80/294	159th	NB	2	12	6	72	8
I-80/294	159th	NB	2	12	6	72	8
I-80/294	159th	NB	2	12	6	72	8
I-80/294	159th	NB	2	12	6	72	8
I-80/294	159th	NB	2	12	6	72	8
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	12	144	16
I-80/294	159th	NB	2	12	30	360	40
I-80/294	159th	NB	2	12	30	360	40
I-80/294	159th	NB	2	12	12	144	16
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	12	144	16
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	6	72	8
159th	I-80/294	SB	2	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8

ROUTE:	Park Ave. (159th St. to I-80/294.) - PCC Pavement					PATCHING = CLASS B	
CROSS STREETS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	6	72	8
I-80/294	159th	NB	1	12	12	144	16
I-80/294	159th	NB	1	12	12	144	16
159th	I-80/294	SB	1	12	12	144	16
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	12	144	16
159th	I-80/294	SB	1	12	12	144	16
159th	I-80/294	SB	1	12	12	144	16
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	6	72	8
159th	I-80/294	SB	1	12	12	144	16
159th	I-80/294	SB	1	12	12	144	16
159th	I-80/294	SB	1	12	12	144	16
		TOTALS:			**1026 FT**		**1368 SY**

FILE NAME = c:\pw_work\pwidot\wilgreendp\d0183633\Design.dgn	USER NAME = wilgreendp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE PARK AVE.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	2010-018PP	COOK	17	10
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 60K37		
	PLOT DATE = 3/30/2010	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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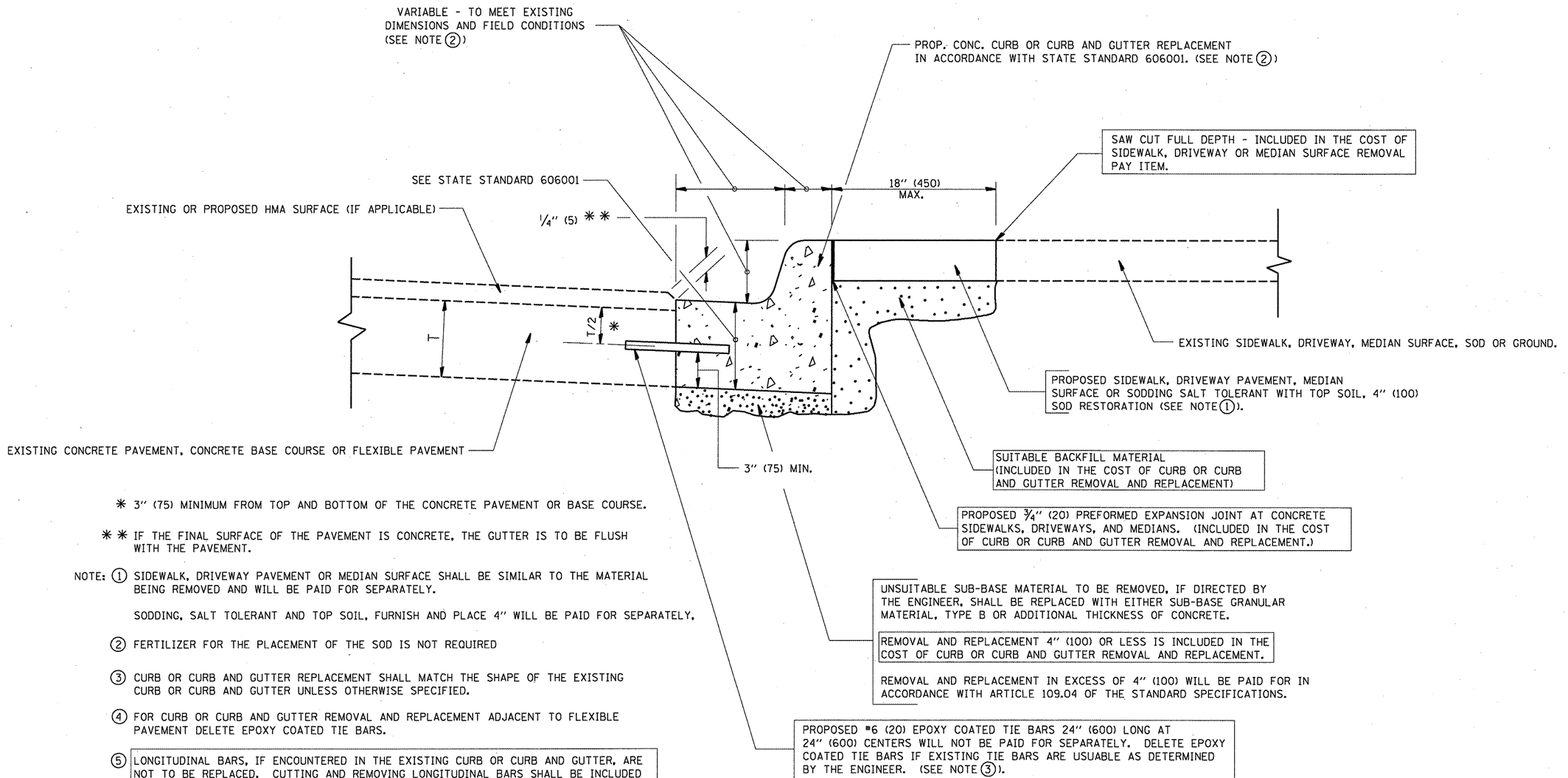


* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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:

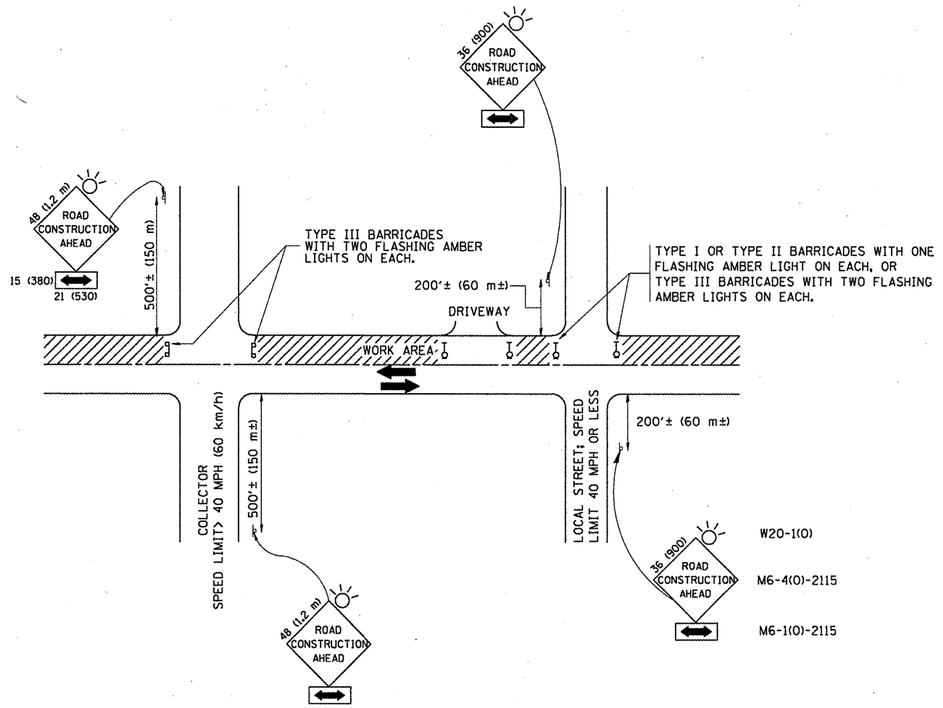
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = c:\pw_work\PWIDOT\WILGREENDP\d0183633\DistStd.dgn	USER NAME = wilgreendp	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.
		DRAWN -	REVISED - A. ABBAS 03-21-97					VAR.	2010-018PP	COOK	17 / 11
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01						BD600-06 (BD-24)	CONTRACT NO. 60K37	
	PLOT DATE = 3/30/2010	DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

DistStd.dgn 3/30/2010 11:11:35 AM User=wilgreendp



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. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = c:\pw_work\PWIDOT\WILGREENDP\d0183633\DistStd.dgn	USER NAME = wilgreendp	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 3/30/2010	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

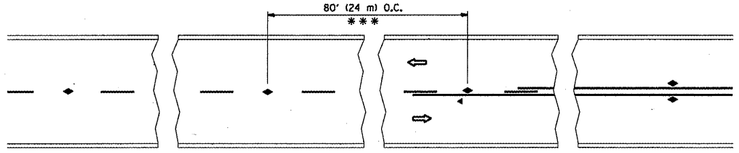
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

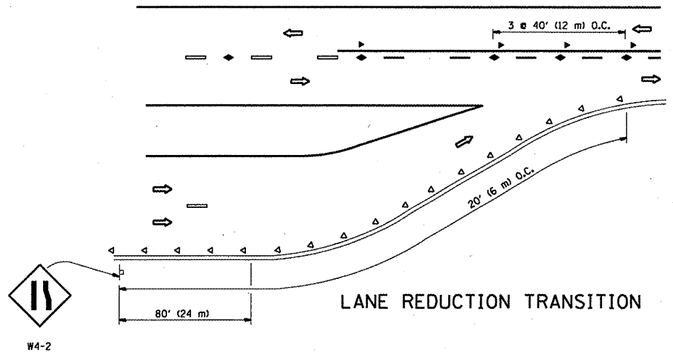
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	12
	TC-10	CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DistStd.dgn 3/30/2010 12:18:45 PM User=wilgreendp

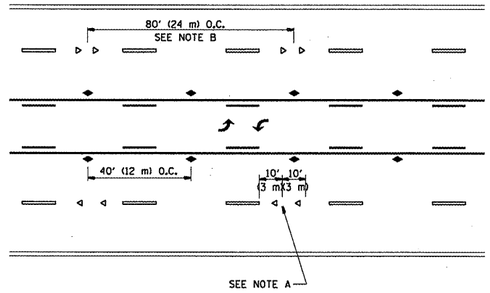


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

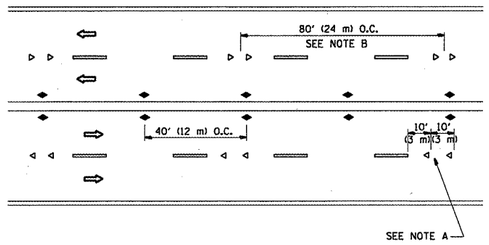
TWO-LANE/TWO-WAY



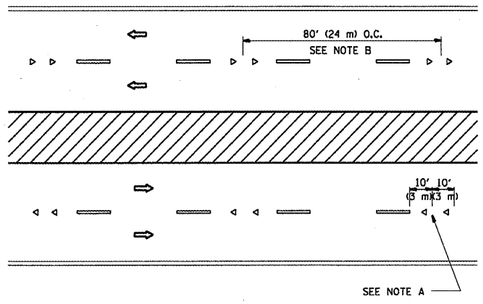
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

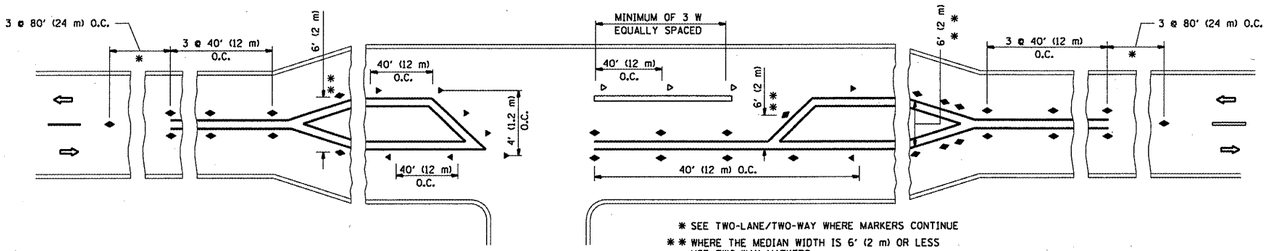
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

FILE NAME = c:\pw_work\PWIDOT\WILGREENDP\d0183633\DistStd.dgn	USER NAME = wilgreendp	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/30/2010	DATE -	REVISED - C. JUCIUS 09-09-09

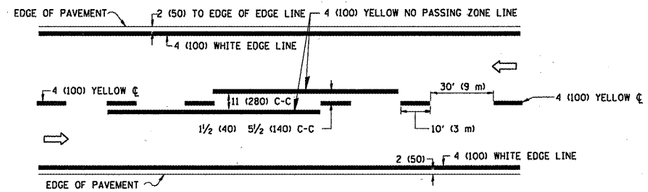
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

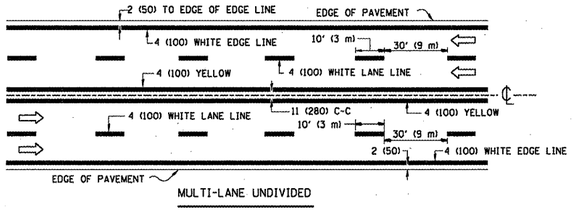
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	13
	TC-11	CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

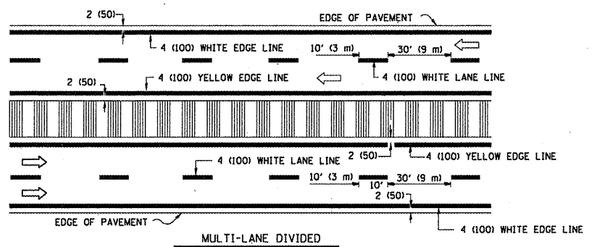
DistStd.dgn 3/30/2010 12:19:08 PM User=wilgreendp



2-LANE ROADWAY



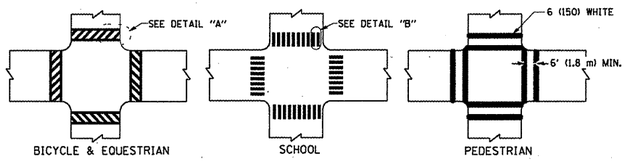
MULTI-LANE UNDIVIDED

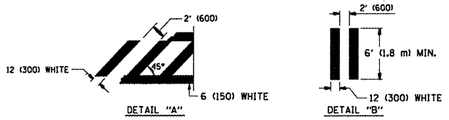


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

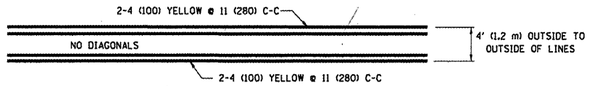
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

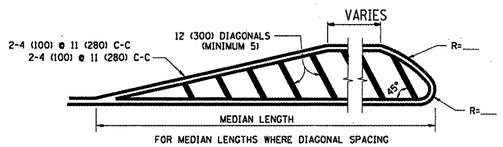




TYPICAL CROSSWALK MARKING



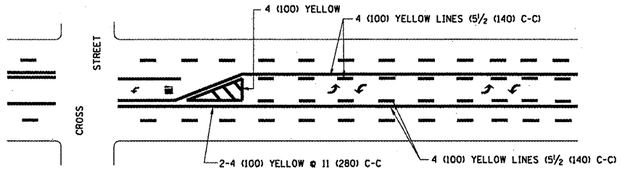
4' (1.2 m) WIDE MEDIANS ONLY



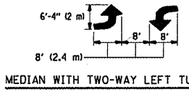
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

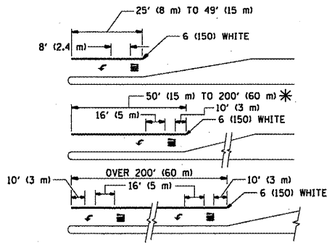


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED. WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

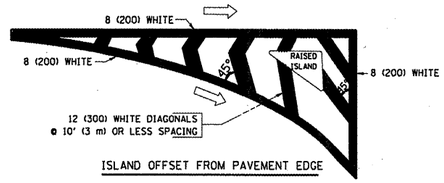


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

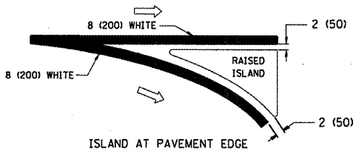
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



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	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: 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 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO 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° 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) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 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 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) 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 = c:\pw_work\PWIDOT\WILGREENDP\d0183633\DistStd.dgn	USER NAME = wilgreendp	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/30/2010	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.
VAR.	2010-018PP	COOK	17	14
	TC-13	CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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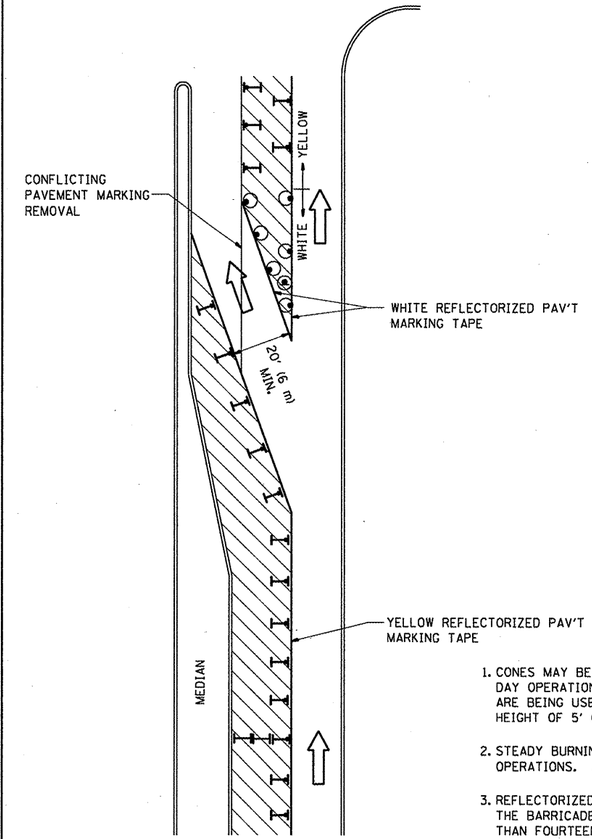

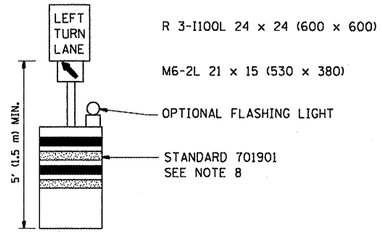

GENERAL NOTES

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 NCHR 350 PREQUIREMENTS.
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

FILE NAME = c:\pw_work\PWIDOT\WILGREENDP\d0183633\DistStd.dgn	USER NAME = wilgreendp	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 3/30/2010	REVISED -T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	15
	TC-14	CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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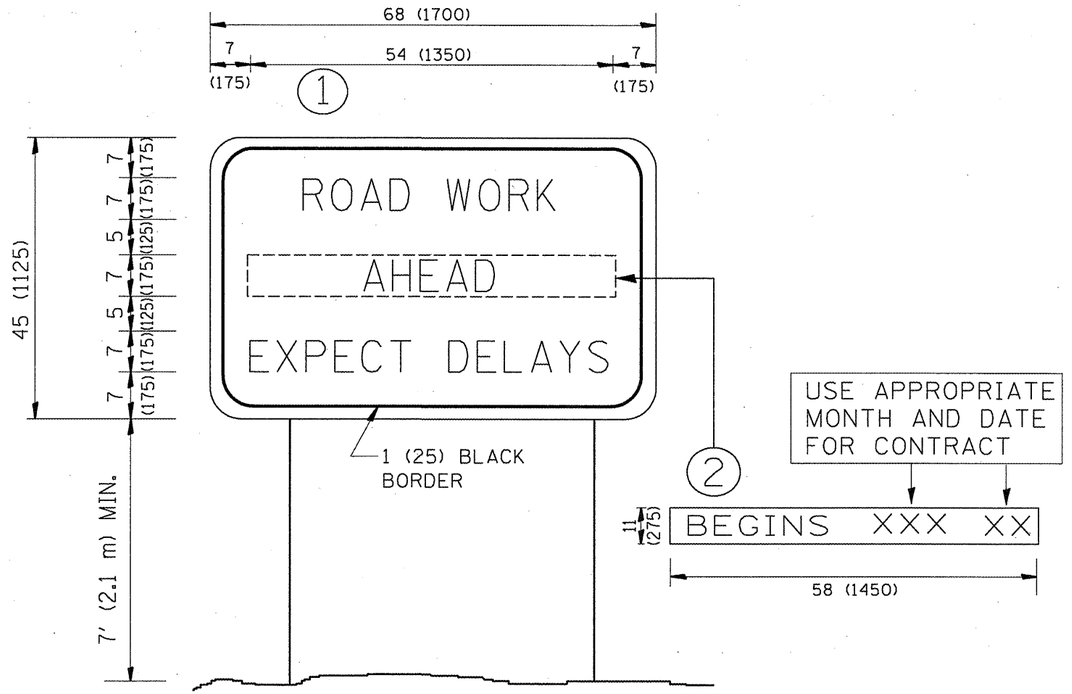

NOTES:

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 = c:\pw_work\PWIDOT\WILGREENDP\d0183633\DistStd.dgn	USER NAME = wilgreendp	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN
		DRAWN -	REVISED - R. MIRS 12-11-97		
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 3/30/2010	DATE -	REVISED - C. JUCIUS 01-31-07		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	16
	TC-22	CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

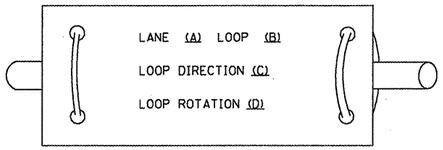
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

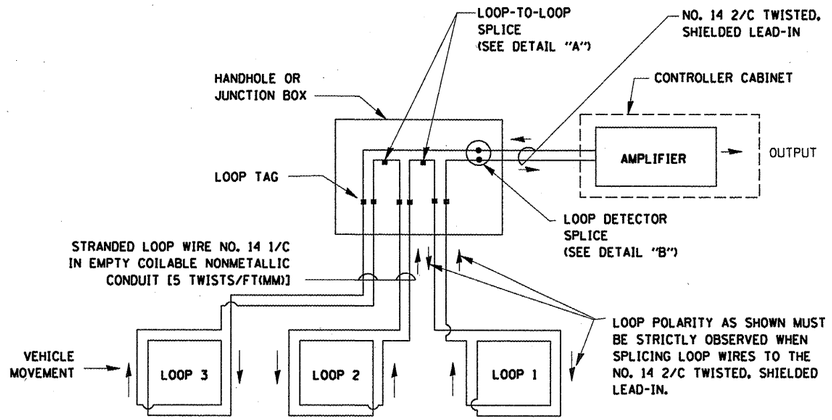


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

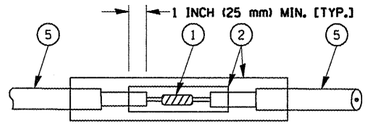
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

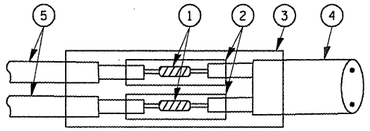


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

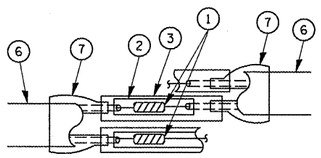


DETAIL "A"
LOOP-TO-LOOP SPLICE

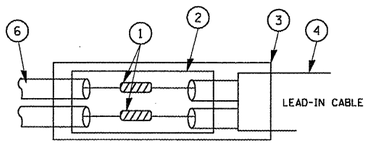


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

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

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		DRAWN - BCK	REVISED -
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	PLOT DATE = 3/30/2010	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-018PP	COOK	17	17
	TS-05	CONTRACT NO. 60K37		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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