

hbe **Hoeffler-Butler Engineering, Inc.**
 Consulting Civil Engineers • Land Surveyors
 PROFESSIONAL DESIGN FIRM LICENSE NO. 004-00863 64657
 8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60531
 (708) 594-8986 FAX (708) 594-8778

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2802/1537	09-00032-00-RS	COOK	18	3
STA. 10+00		TO STA. 37+87.89		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63410				

SUMMARY OF QUANTITIES

CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART	
MIXTURE TYPE	AIR VOIDS AT Ndes
PAVEMENT RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90 (IL 9.5mm)	4% AT 90 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% AT 50 GYR
SHOULDER	
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50 (IL 9.5mm)	4% AT 50 GYR

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

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

CODE NO.	PAY ITEM	QTY.	UNITS	CONSTRUCTION CODE 1000
21101615	TOPSOIL FURNISH AND PLACE, 4"	300	SQ YD	300
25000400	NITROGEN FERTILIZER NUTRIENT	2	POUND	2
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	2	POUND	2
25000600	POTASSIUM FERTILIZER NUTRIENT	2	POUND	2
25200110	SODDING, SALT TOLERANT	300	SQ YD	300
35101600	AGGREGATE BASE COURSE, TYPE B 4"	380	SQ YD	380
40600100	BITUMINOUS MATERIALS (PRIME COAT)	2338	GALLON	2338
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL 4.75, N50	200	TON	200
40600895	CONSTRUCTING TEST STRIP	1	EACH	1
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL-BUTT JOINT	629	SQ YD	629
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	43	TON	43
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	1309	TON	1309
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	47	SQ YD	47
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	7,150	SQ FT	7,150
42400800	DETECTABLE WARNINGS	40	SQ FT	40
44200982	CLASS B PATCHES, TYPE II, 11 INCH	1500	SQ YD	1500
44000200	DRIVEWAY PAVEMENT REMOVAL	47	SQ YD	47
44000600	SIDEWALK REMOVAL	625	SQ FT	625
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	610	FOOT	610
60238600	INLETS, TYPE A, WITH SALVAGED FRAME AND LID	1	EACH	1
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	2	EACH	2
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	27	EACH	27
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	3	EACH	3
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	1	EACH	1
60500060	REMOVING INLETS	1	EACH	1
67100100	MOBILIZATION	1	L SUM	1
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	1	L SUM	1
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	1	EACH	1
* 78000100	THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS	98.8	SQ FT	98.8
* 78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	5,288	FOOT	5,288
* 78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	228	FOOT	228
* 78000650	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	106	FOOT	106
* 88600600	DETECTOR LOOP REPLACEMENT	100	FOOT	100
X0321020	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH	3662	SQ YD	3662
XX00 8341	MORTAR EXISTING STRUCTURE	9	EACH	9

* DENOTES SPECIALTY ITEMS

REVISIONS	
NAME	DATE
JMH PER REVIEW	01.06.10
JMH PER REVIEW	01.15.10
JMH PER REVIEW	01.21.10

ILLINOIS DEPARTMENT OF TRANSPORTATION
 VILLAGE OF BEDFORD PARK
 71st ST & SAYRE AVE RESURFACING
 71st ST @ HARLEM TO SAYRE @ 73rd ST
 HMA MIXTURE CHART & SUMMARY OF QUANTITIES
 DATE: 10/09/09
 DRAWN BY: JMH
 CHECKED BY: SAL

HEC-309F-09-507