

SUMMARY OF QUANTITIES

PAY CODE	PAY ITEM	UNITS	FUND CODE 1000-2A QUANTITY	FUND CODE MFT QUANTITY	TOTAL QUANTITY
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B, 4 INCHES	SQ YD	9	0	9
35300210	PORTLAND CEMENT CONCRETE BASE COURSE, 7.5 INCHES	SQ YD	5	0	5
40200800	AGGREGATE SURFACE COURSE, TYPE B	TDN	17	0	17
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GAL	2282	0	2282
40600300	AGGREGATE (PRIME COAT)	TDN	26	0	26
40600627	LEVELING BINDER (MACHINE METHOD) IL-9.5, N50	TDN	351	0	351
40600990	TEMPORARY RAMP	SQ YD	761	0	761
40600995	TEMPORARY RAMP, SPECIAL	SQ YD	189	0	189
40603535	POLYMERIZED HOT MIX-ASPHALT SURFACE COURSE, MIX 'D', N50	TDN	1110	0	1110
40800050	INCIDENTAL HMA SURFACING	TDN	10	0	10
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	0	16	16
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1725	3072	4797
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	0	862	862
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1119	0	1119
42400800	DETECTABLE WARNINGS	SQ FT	336	0	336
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2.25'	SQ YD	6999	0	6999
44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3.25'	SQ YD	6127	0	6127
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	0	16	16
44000300	CURB REMOVAL	FDDT	338	0	338
44000500	COMBINATION CURB AND GUTTER REMOVAL	FDDT	976	0	976
44000600	SIDEWALK REMOVAL	SQ FT	2514	3973	6487
44201365	CLASS C PATCHES, TYPE II, 11 INCH	SQ YD	26	0	26
60260100	INLETS TO BE ADJUSTED	EACH	6	0	6
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	4	0	4
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	0	2
60263100	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	2	0	2
60266600	VALVE BOXES TO BE ADJUSTED	EACH	22	0	22
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	15	0	15
60600705	CONCRETE CURB- TYPE B, (ABUTTING EXISTING PAVEMENT)	FDDT	326	0	326
60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FDDT	986	0	986
67100100	MOBILIZATION	L. SUM	1	0	1
70101700	TRAFFIC CONTROL AND PROTECTION	L. SUM	1	0	1
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	64.6	0	64.6
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FDDT	753	0	753
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FDDT	120	0	120
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	47	0	47
XX002873	BRICK SIDEWALK REMOVAL	SQ FT	485	686	1171
XX006793	BRICK SIDEWALK	SQ FT	296	678	974
XX006935	BRICK SURFACE REMOVAL - BUTT JOINT	SQ YD	35	0	35
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50	TDN	555	0	555

* SPECIALTY ITEM

CONTRACT #	ROUTE #	SECTION #	TOTAL SHEETS	SHEET NO.
89520	FAU 6814	09-00448-13-RS	11	2

PAVEMENT DESIGN E. KNOX ST.

MODIFIED AASHTO DESIGN FOR OVERLAYS ON EXISTING RIGID/COMPOSITE PAVEMENTS

EST 2007 ADT = 2341
DESIGN PERIOD = 20 YEARS
2019 PROJECTED ADT = 2638
(1% ANNUAL INCREASE)

STREET CLASSIFICATION: CLASS II
(2 LANE WITH ADT GREATER THAN
2000 BUT LESS THAN 3500)

TRAFFIC FACTOR: 0.5958
ILLINOIS BEARING RATIO: 3
STRUCTURAL NUMBER: 2.85

TYPE	%	NO.
P. V	93.0	2,454
S. U.	4.0	106
M. U.	3.0	79
TOTAL	100	2,639

REQUIRED OVERLAY = 3.0 INCHES OF HMA
PROPOSED OVERLAY = 3.25 INCHES OF HMA

HMA MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USE(S)	POLYMER SURFACE COURSE	LEVELING BINDER(MM)	POLYMER LEVELING BINDER(MM)
AC/PG:	SBS/SBR PG 70-22	PG 70-22, SBS/SBR PG 70-22	SBS/SBR PG 70-22
RAP % (MAX)**	10.0%	0%	0%
DESIGN AIR VOIDS:	4% @ N(des) = 50	3% @ N(des) = 50	4% @ N(des) = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 (ONLY)	IL 9.5 (ONLY)	IL 4.75
FRICTION AGGREGATE:	MIXTURE D (DOLDRITE ONLY)	N/A	N/A

SUMMARY OF QUANTITIES

E. KNOX ST. RESURFACING
SECTION # 09-00448-13-RS
FAU ROUTE 6814
JOB # C-94-078-09
CONTRACT # 89520

