

SUMMARY OF QUANTITIES

PAY CODE	PAY ITEM	UNITS	TOTAL QUANTITY 1000
20200410	EARTH EXCAVATION (SPECIAL)	CU YD	43
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	121
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	201
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	6
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	666
40600300	AGGREGATE (PRIME COAT)	TON	17
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	497
40600995	TEMPORARY RAMP, SPECIAL	SQ YD	225
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1182
40603535	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	725
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	4
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3881
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	213
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	164
42400800	DETECTABLE WARNINGS	SQ FT	64
44000080	HOT-MIX ASPHALT SURFACE REMOVAL (COLD MILLING)-3	SQ YD	7652
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1483
44000600	SIDEWALK REMOVAL	SQ FT	4217
44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	201
44201361	CLASS C PATCHES, TYPE I, 11 INCH	SQ YD	13
44201365	CLASS C PATCHES, TYPE II, 11 INCH	SQ YD	57
44201369	CLASS C PATCHES, TYPE III, 11 INCH	SQ YD	60
44201371	CLASS C PATCHES, TYPE IV, 11 INCH	SQ YD	212
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	10
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	14
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 12	FOOT	1330
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 24	FOOT	173
67100100	MOBILIZATION	L. SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L. SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1696
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	221
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	402
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4371
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	520
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	485
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	151
* 88600100	DETECTOR LOOP, TYPE I	FOOT	384
X4402200	PAVEMENT REMOVAL (CONCRETE)	SQ YD	16
XX005807	PAVEMENT REMOVAL (PARTIAL DEPTH)	SQ YD	111
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L. SUM	1
XX006934	HOT-MIX ASPHALT BASE COURSE WIDENING, 4"	SQ YD	111
XX006935	BRICK SURFACE REMOVAL - BUTT JOINT	SQ YD	54

* SPECIALTY ITEM

CONTRACT #	SECTION #	TOTAL SHEETS	SHEET NO.
89362	04-00401-24-RS	21	2

PAVEMENT DESIGN S. HENDERSON ST.

MODIFIED AASHTO DESIGN FOR OVERLAYS ON EXISTING RIGID/COMPOSITE PAVEMENTS

2006 ADT = 6,400
DESIGN PERIOD = 20 YEARS
2017 PROJECTED ADT = 7,140
(1% ANNUAL INCREASE)

TYPE	NO.
P. V	6,640
S. U.	286
M. U.	214
TOTAL	7,140

STREET CLASSIFICATION: CLASS II
(4 LANE WITH 3,500 ADT OR GREATER)
TRAFFIC FACTOR: 1.72
ILLINOIS BEARING RATIO: 3
STRUCTURAL NUMBER: 3.35

REQUIRED OVERLAY = 3.8 INCHES OF HMA
PROPOSED OVERLAY = 4.0 INCHES OF HMA

W. SOUTH ST. RECONSTRUCTION CONVENTIONAL FLEXIBLE PAVEMENT DESIGN FOR LOCAL AGENCIES

EST 2006 ADT = 600
DESIGN PERIOD = 20 YEARS
2017 PROJECTED ADT = 690
(1% ANNUAL INCREASE)

TYPE	NO.
P. V	607
S. U.	48
M. U.	35
TOTAL	690

STREET CLASSIFICATION: CLASS III
TRAFFIC FACTOR: 0.15
ILLINOIS BEARING RATIO: 3

REQUIRED BASE = 8.0 INCHES OF AGG TYPE B
REQUIRED OVERLAY = 4.25 INCHES OF HMA
PROPOSED OVERLAY = 4.75 INCHES OF HMA

HMA MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USE(S)	POLY SURFACE COURSE	BINDER COURSE
AC/PG	SBS or SBR 70-22	PG 64-22
RAP % (MAX)**	0.0%	25%
DESIGN AIR VOIDS	4.2% @ N(des) = 50	4.2% @ N(des) = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 only	IL 19.0
FRICTION AGGREGATE	MIXTURE D (COLDMIX ONLY)	N/A

SUMMARY OF QUANTITIES

S. HENDERSON ST. RESURFACING
SECTION # 04-00401-24-RS
FAU ROUTE 6791
JOB # C-94-040-05
CONTRACT # 89362

