PAVEMENT WIDENING AREA:

STREET NAME 1

STA. 46+00 TO STA. 47+00	= 100' X (0' + 11')/2	= 550.00 SF.
STA. 47+00 TO STA. 49+26	= 226' X 11'	= 2486.00 SF.
SOUTH-WEST CORNER	= CAD GENERATED	= 860.00 SF.
STA. 50+75 TO STA. 52+35	= 160' X 11'	= 1760.00 SF.
STA. 52+35 TO STA. 53+35	= 100' X (11' + 0')/2	= 550.00 SF.
NORTH-EAST CORNER	= CAD GENERATED	= 767.00 SF.
	SUB-TOTAL	= 6973.00 SF.

STREET NAME 2

STA. 17+08 TO STA. 19+19	= 211' X 11'	= 2321.00 SF.
STA. 19+19 TO STA. 19+74	= CAD GENERATED	= 997.00 SF.
STA. 20+82 TO STA. 21+87.50	= 105.5' X 11'	= 1160.50 SF.
STA. 21+87.50 TO STA. 22+46	= 58.5' X (11' + 0')/2	= 321.75 SF.
NORTH-WEST CORNER	= CAD GENERATED	= 877.00 SF.
	SUB-TOTAL	= 5677.25 SF.
	TOTAL	= 12,650.25 SF.

ITEM: 448: 1.5"" ASPHALT CONCRETE, SURFACE COURSE (MEDIUM TRAFFIC), PG64-22
= (12,650.25 SF X 1.50"/12)/27 = 58.57 CY

PAVEMENT PLANING AND RESURFACING AREA = (74,077.00 SF X 1.50"/12)/27 = 342.95 CY

TOTAL = 401.52 CY

ITEM: 305: 8" PORTLAND CEMENT CONCRETE BASE: = 12,650.25 SF/9 = 1405.58 SY

ITEM: 448: 1.5" ASPHALT CONCRETE, INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22
= (12,650.25 SF. X 1.50"/12)/27= 58.57 CY

AREA FOR ITEM: 204: SUBGRADE COMPACTION

STREET NAME 1

STA. 46+00 TO STA. 47+00	= 100' X (0' + 11')/2	= 550.00 SF.
STA. 47+00 TO STA. 49+26	= 226' X 11'	= 2486.00 SF.
SOUTH-WEST CORNER	=CAD GENERATED	= 860.00 SF.
STA. 50+75 TO STA. 52+35	= 160' X 11'	= 1760.00 SF.
STA. 52+35 TO STA. 53+35	= 100' X (11' + 0')/2	= 550.00 SF.
NORTH-EAST CORNER	= CAD GENERATED	= 767.00 SF.
	SUB-TOTAL	= 6973.00 SF.

STREET NAME 2

STA. 17+08 TO STA. 19+19	= 211' X 13.5'	= 2848.50 SF.
STA. 19+19 TO STA. 19+74	=CAD GENERATED	= 997.00 SF.
STA. 20+82 TO STA. 21+87.50	= 105.5' X 13.5'	= 1424.25 SF.
STA. 21+87.50 TO STA. 22+46	= 58.5' X (13.5' + 0')/2	= 394.88 SF.
NORTH-WEST CORNER	= CAD GENERATED	= 877.00 SF.
	SUB-TOTAL	= 6541.63 SF.
	TOTAL	= 13,514.63 SF.

ITEM: 204: SUBGRADE COMPACTION: = 13,514.63 SF./9 = 1501.63 S.Y.

ITEM: 609: COMBINATION CURB AND GUTTER; TYPE ____

STA. 17+10 TO STA. 19+19 (RT.)	= 214.00 L.F.
STA. 20+82 TO STA. 22+46 (LT.)	= 164.00 L.F.
TOTAL	= 378.00 L.F.

ITEM: 605: 4" PIPE UNDERDRAIN: = 378' + 996' = 1374.00 L.F.

ITEM: 407: TACK COAT:

FROM PAVEMENT WIDENING	= (12,650.25 SF./9) X 0.10 GAL./S.Y.	= 140.56 GALS.
FROM PAVEMENT PLANING & RESURFACING	= (74,077.00 SF./9) X 0.15 GAL./S.Y.	= 1234.62 GALS.
FROM PAVEMENT CUT	= (1381.00 LF. X 11"/12) X 0.10 GAL./S.Y.	= 14.07 GALS.
	TOTAL	= 1389.25 GALS.

SURFACE AREA FOR TACK COAT AT PAVEMENT CUT

STA. 46+00 (RT.) TO STA. 19+06 STREET NAME 1 (LT.)	= 425.00 L.F.
STA. 49+14 (LT.) TO STA. 22+46 STREET NAME 1 (LT.)	= 266.00 L.F.
STA. 17+10 (RT.) TO STA. 50+88 STREET NAME 2 (RT.)	= 330.00 L.F.
STA. 20+97 (RT.) TO STA. 53+35 STREET NAME 2 (LT.)	= 360.00 L.F.
TOTAL	= 1381.00 L.F.

ITEM: 609: CURB, STRAIGHT 18":

STA. 46+00 (RT.) TO STA. 19+06 (LT.)	= 403.00 L.F.
STA. 40+87 TO STA. 20+82 (LT.)	= 111.00 L.F.
STA. 19+19 TO STA. 51+47 (RT.)	= 140.00 L.F.
STA. 20+97 TO STA. 53+35 (LT.)	= 342.00 L.F.
TOTAL	= 996.00 L.F.

ITEM: 608: 4" CONCRETE WALK:

STA. 17+10 TO STA. 17+87 (RT.)	= (5' X 77')+(10'X15') NE-CORNER W/O X AVE.	= 535.00 SF.
STA. 18+13 TO STA. 18+35 (RT.)	= 5' X 22'	= 110.00 SF.
STA. 18+68 TO STA. 19+10 (RT.)	= 5' X 42'	= 210.00 SF.
STA. 51+23 TO STA. 51+47 (RT.)	= 12.5' X 24'	= 300.00 SF.
STA. 51+98 TO STA. 52+18 (LT.)	= 5' X 20'	= 100.00 SF.
STA. 52+29 TO STA. 52+49 (LT.)	= 5' X 20'	= 100.00 SF.
STA. 52+83 TO STA. 53+02 (LT.)	= 5' X 19'	= 95.00 SF.
STA. 53+12 TO STA. 53+35 (LT.)	= 5' X 23'	= 115.00 SF.
STA. 47+98.50 TO STA. 48+15 (RT.)	= (4'X13') + (5'X18')	= 142.00 SF.
STA. 48+53 TO STA. 49+06 (RT.)	= 5' X 53'	= 265.00 SF.
STA. 20+90 TO STA. 21+38 (LT.)	= 8' X 48'	= 384.00 SF.
STA. 21+73 TO STA. 21+95 (LT.)	= 8' X 22'	= 176.00 SF.
STA. 21+00 TO STA. 21+10 (RT.)	= 5' X 10'	= 50.00 SF.
STA. 48+87 TO STA. 49+05 (LT.)	= 4' X 18'	= 72.00 SF.
STA. 50+88 TO STA. 51+56 (LT.)	= 5' X 68'	= 340.00 SF.
	TOTAL	= 2994.00 SF.

ITEM: 608: 8" CONCRETE WALK:

STA. 19+10 TO STA. 19+69 (RT.) (SE-CORNER)	= 8.5' X 78'	= 663.00 SF.
STA. 20+74 TO STA. 50+88 (RT.) (NE-CORNER)	= 12'(AVG.) X 58'	= 696.00 SF.
STA. 19+06 (LT.) TO STA. 49+06 (RT.) (SW-CORNER)	= 9.5' X 98'	= 931.00 SF.
STA. 49+05 (LT.) TO STA. 20+90 (LT.) (NW-CORNER)	= 9.8'(AVG.) X 99'	= 970.00 SF.
	TOTAL	= 3260.00 SF.

AREA FOR PAVEMENT PLANING AND RESURFACING:

STREET NAME 2

STA. 17+08 TO STA. 22+50	= (542' X 56') - 2(80' X 11' BUS PADS)	= 28,592.00 SF.

STREET NAME 1

STA. 46+00 TO STA. 49+75	= (375' X 52') - (74' X 11' BUS PAD)	= 18,686.00 SF.
STA. 50+30 TO STA. 55+35	= (505' X 52') - (105' X 11' BUS PAD)	= 25,105.00 SF.

ADD FILLET AREAS

S.W. CORNER =	322.00 SF.
S.E. CORNER =	375.00 SF.
N.E. CORNER =	416.00 SF.
N.W. CORNER =	581.00 SF.
TOTAL AREA =	74,077.00 SF.

HORIZ. SCALE NTS

CALCULATED | CHECKED

CALCULATIONS

PROJECT NAME

X / XX

XXXX–E

REVISED 10/24/14

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