

CALCULATIONS

ITEM 254 - 0 to 1 1/4" (NOMINAL) PAVEMENT PLANING, BITUMINOUS

FOR BUTT JOINTS AT:

STA 125+70 TO 125+95	25 X 45	=	1,125	SF
STA 165+24 TO 165+49	25 X 22	=	550	SF
STA 166+03 TO 166+28	25 X 22	=	550	SF
STA 172+81 TO 173+06	25 X 22	=	550	SF
STA 176+27 TO 176+52	25 X 22	=	550	SF
STA 178+85 TO 179+78	93 X 10	=	930	SF
STA 283+75 TO 284+00	25 X 22	=	550	SF

PLANIMETER = 21,855 SF

SIDE STREETS: SR91, WABAN ROAD, EDISON ROAD, ERIE ROAD, CARLTON ROAD, GILBERT ROAD, SHADYSIDE DRIVE, HARTFORD ROAD, WOODLAND DRIVE, OLD LAKESHORE BLVD., REEVES ROAD, FOREST DRIVE, PORTAGE ROAD, PARKWAY DRIVE, PINEHURST BLVD., SHELTON BLVD., PLYMOUTH ROAD, COURTLAND BLVD., AND TRAYMORE BLVD.

SUBTOTAL = 26,660 SF

26,660 X 1/9 = 2,962 SY

RESURFACING PROJECT = 2,962 SY

ITEM 254 - 1 1/4" (NOMINAL) PAVEMENT PLANING, BITUMINOUS

STA 165+49 TO 166+03 54 X 30 = 1,620 SF

1,620 X 1/9 = 180 SY

RESURFACING PROJECT = 180 SY

ITEM 304 - AGGREGATE BASE, AS PER PLAN

STA 177+21 TO 178+46 RT	125 X (45 + 7)/2	=	3,250	SF
STA 178+46 TO 178+85 RT	39 X 7	=	273	SF
STA 179+78 TO 185+08 RT	530 X 7	=	3,710	SF

SUBTOTAL = 7,233 SF

7,233 X 6/12 X 1/27 = 134 CY

ADDITIONAL ITEM 304 FOR UNDERDRAIN SLOPE:

STA 177+21 TO 182+25 504 X .09 X 4/27 = 7 CY

BIKEWAY PROJECT = 141 CY

ITEM 605 - 6" SHALLOW PIPE UNDERDRAIN

STA 182+25 TO 183+40 RT = 118 LF

TOTAL 118 LF

BIKEWAY PROJECT = 118 LIN.FT.

ITEM 301 - 7 1/2" BITUMINOUS AGGREGATE BASE AC-20

STATIONS		LENGTH (FT)	WIDTHS(FT)		AREA (SF)
FROM	TO		FROM	TO	
12495	12595	L 100	1	6	350
12595	14151	L 1556	6	6	9,336
12750	13895	R 1145	6	6	6,870
13895	13935	R 40	6	5	220
13935	13950	R 15	5	5	75
13950	13990	R 40	5	6	220
13990	14250	R 260	6	6	1,560
14151	14292	L 141	5	5	705
14250	14317	R 67	5	5	335
14392	14488	L 96	5	5	480
14488	16447	R 1958	6	6	11,748
14488	16451	L 1962	6	6	11,772
16447	16547	R 100	6	4	500
16451	16551	L 100	6	4	500
16603	16650	R 47	4	5	212
16603	16703	L 100	4	6	500
16703	17179	L 476	6	6	2,856
16900	17173	R 273	6	6	1,638
17179	17279	L 100	6	4	500
17173	17273	R 100	6	4	500
17646	17721	R 75	4	5.1	342
17659	17859	L 200	4	8	1,200
18225	18508	R 283	7	7	1,981
18508	18600	R 92	8	8	736
17859	18550	L 691	8	8	5,528
18550	18650	L 100	8	6	700
18600	18700	R 100	8	6	700
18650	28410	L 9760	6	6	58,560
18700	28390	R 9690	6	6	58,140

SUBTOTAL = 178,764 SF

179,107 X 7.5/12 X 1/27 = 4,138 CY

BIKEWAY PROJECT = 4,138 CY

ITEM 301 - 9 1/4" BITUMINOUS AGGREGATE BASE AC-20

STATIONS		LENGTH (FT)	WIDTHS(FT)		AREA (SF)
FROM	TO		FROM	TO	
17721	17846	R 125	5.1	7	758
17846	17885	R 39	7	7	273
17978	18225	R 247	7	7	1,729

SUBTOTAL = 2,760 SF

2,760 X 9.25/12 X 1/27 = 79 CY

BIKEWAY PROJECT = 79 CY

ITEM 254 - 0 TO 1 1/4" (NOMINAL) PAVEMENT PLANING, PORTLAND CEMENT CONCRETE

FOR BUTT JOINT AT REEVES ROAD

95 X 10 = 950 SF X 1/9 = 106 SY

BIKEWAY PROJECT = 106 SY

ITEM 403 - 0 TO 3/4" ASPHALT CONCRETE, AC-20, AS PER PLAN

STATIONS		LENGTH (FT)	WIDTHS(FT)		AREA (SF)
FROM	TO		FROM	TO	
12570	12750	180	PLANIMETER		12,500
12750	13500	750	52	34	32,250
13500	13895	395	34	34	13,430
13895	13935	40	34	33	1,340
13935	13950	15	33	33	495
13950	13957	7	33	33.2	232
13957	13990	33	33.2	35.7	1,137
13990	14187	197	35.7	46	8,050
14187	14290	103	46	46	4,738
14290	14416	126	PLANIMETER		10,500
14416	14488	72	42	42	3,024
14488	14595	107	46	46	4,922
14595	14902	307	46	34	12,280
14902	16447	1545	34	34	52,530
16447	16551	104	22	22	2,288
		R 100	6	4	500
		R 4	4	4	16
		L 4	6	6	24
		L 100	6	4	500
16551	16603	52	30	30	1,560
16603	16650	47	30	32	1,457
16650	16900	250	PLANIMETER		15,000
16900	17173	273	34	34	9,282
17173	17281	108	22	22	2,376
		L 6	6	6	36
		L 100	6	4	500
		L 5	4	4	20
		R 100	6	4	500
		R 5	4	4	20
17281	17306	25	22	22	550
17627	17652	25	22	22	550
17646	17859	R 200	4	7	1,100
		R 13	7	7	91
		L 200	4	8	1,200
		69	22	22	1,518
		138	23	28	3,519
17859	17978	19	43	50	884
17978	18380	402	50	50	20,100
18380	18498	118	50	38	5,192
18498	18550	52	38	39	2,002
18550	18700	150	22	22	3,300
18700	28400	9700	34	34	329,800

SIDE STREET INTERSECTIONS:

WABAN RD, EDISON RD, CARLTON DR, GILBERT RD, SHADYSIDE DR, FOREST DR, PORTAGE RD, PARKWAY DR, PINEHURST DR, SHELTON BLVD, PLYMOUTH RD, COURTLAND BLVD, & TRAYMORE BLVD

PLANIMETER 13780

SUBTOTAL = 575,093 SF

575,093 X 0.5/12 X 1/27 = 898 CY

BIKEWAY PROJECT = 281 CY

RESURFACING PROJECT = 617 CY