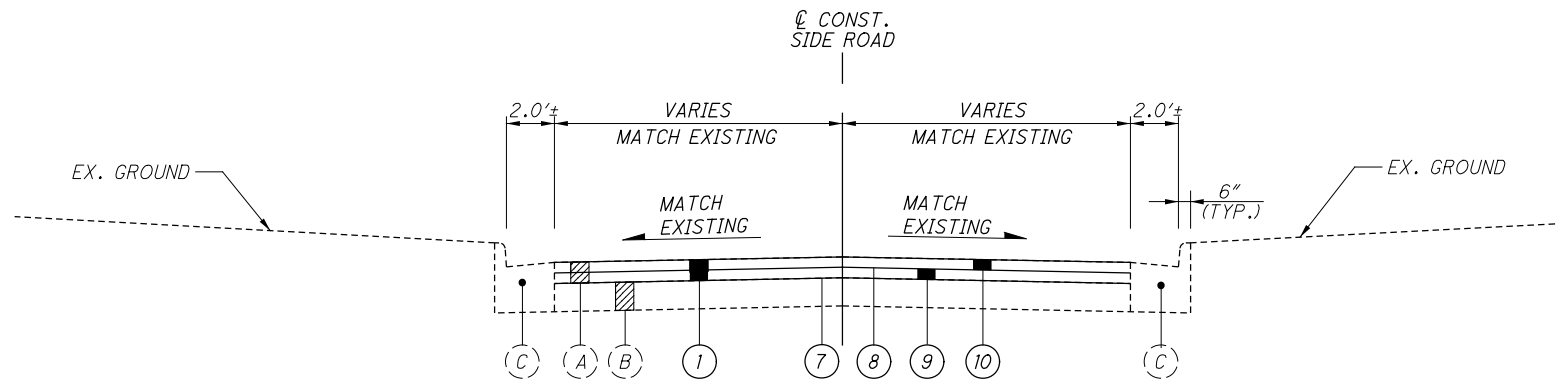


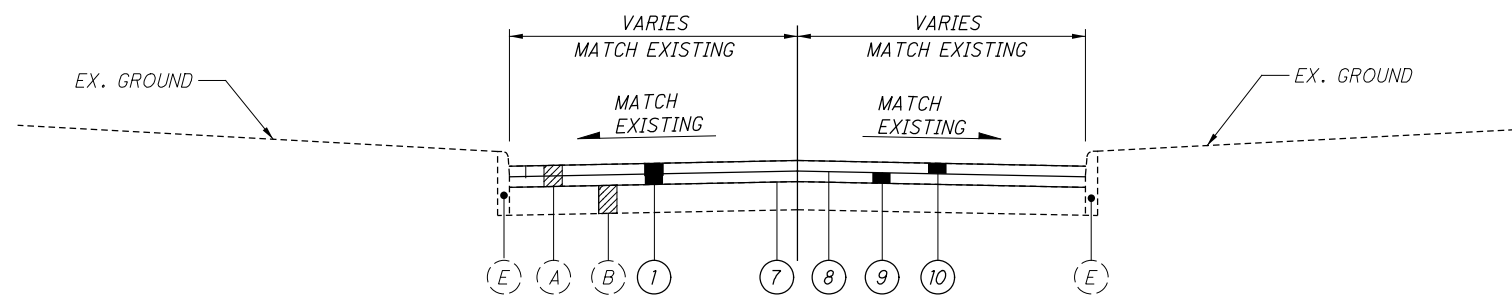
SIDEWALK DETAIL



NORMAL SECTION - SIDE ROAD

SECTION APPLIES:  
 PHILIP PKWY.  
 DAVID DR.  
 GREENTREE PKWY.  
 RODNEY ST.  
 RAYMOND ST.  
 N. DELMONTE BLVD.  
 MELDON DR.  
 SUNNY LN.

@ CONST. SIDE ROAD



NORMAL SECTION - SIDE ROAD

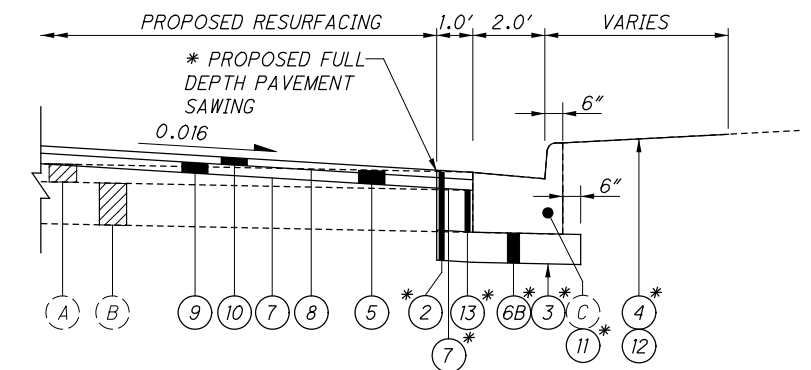
SECTION APPLIES:  
 GREENHAVEN ST.  
 S DELMONTE BLVD.  
 POSTON RD.

- LEGEND**
- ① ITEM 202 - PAVEMENT REMOVED (T=3")
  - ② ITEM 203 - EXCAVATION
  - ③ ITEM 204 - SUBGRADE COMPACTION
  - ④ ITEM 209 - LINEAR GRADING
  - ⑤ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T=VARIES FROM 0" TO 3")
  - ⑥A ITEM 304 - 2" AGGREGATE BASE
  - ⑥B ITEM 304 - 6" AGGREGATE BASE
  - ⑦ ITEM 407 - TACK COAT, AS PER PLAN @ 0.050 GAL/SQ YD
  - ⑧ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE, AS PER PLAN @ 0.050 GAL/SQ YD
  - ⑨ ITEM 441 - 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG70-22M, AS PER PLAN
  - ⑩ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN
  - ⑪ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
  - ⑫ ITEM 659 - SEEDING AND MULCHING, AS PER PLAN
  - ⑬ ITEM 301 - 8" ASPHALT CONCRETE BASE, PG64-22

- (A) EXISTING ASPHALT PAVEMENT BUILD UP (THICKNESS VARIES)
- (B) EXISTING AGGREGATE BASE
- (C) EXISTING CONCRETE CURB AND GUTTER
- (D) EXISTING CONCRETE WALK
- (E) EXISTING CONCRETE CURB

**ABBREVIATIONS**

EX. - EXISTING  
 TYP. - TYPICAL  
 @ - CENTER LINE  
 CONST. - CONSTRUCTION



\* INCLUDED WITH PAYMENT FOR ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN

**CURB AND GUTTER REPLACEMENT SECTION**  
 NOT TO SCALE

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR**

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING 3"± OF ITEM 448 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I PNEUMATIC TIRE ROLLER AND A STEEL ROLLER AS PER 401.13. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR.

**ITEM 253 - PAVEMENT REPAIR**

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH AND PLACING 12"± 301 ASPHALT CONCRETE BASE, PG64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6 INCHES. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS TO BE REPAIRED. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. SEE PAVEMENT REPAIR DETAIL ON THIS SHEET.

**ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ODOT CMS 609, THIS ITEM SHALL ALSO INCLUDE FULL DEPTH PAVEMENT SAWING, EXCAVATION, EMBANKMENT, DISPOSAL OF EXCAVATED MATERIALS, SUBGRADE COMPACTION, 6" AGGREGATE BASE, 8" ASPHALT CONCRETE BASE, AND LINEAR GRADING, AS INDICATED ON THE TYPICAL SECTIONS.

ADDITIONALLY, THIS ITEM SHALL ALSO INCLUDE ALL NECESSARY DRAINAGE CORINGS/FITTINGS TO MAINTAIN EXISTING DRAINAGE CONNECTIONS THROUGH THE CURB OR CURB AND GUTTER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

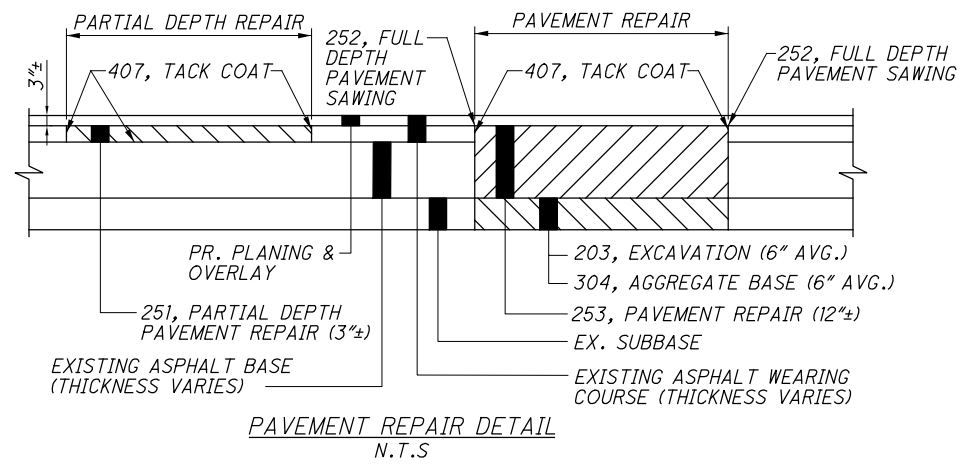
ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN 1500 FT

PAYMENT FOR THE ABOVE STATED SHALL BE INCLUDED IN THE PERTINENT UNIT PRICE BID FOR ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THIS WORK.

**ITEM 202 - CURB AND GUTTER REMOVED**

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 202 - CURB AND GUTTER REMOVED 1500 FT



**ITEM 608 - CURB RAMP**

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, INSTALLATION OF THE CURB RAMPS/DETECTABLE WARNINGS WILL BE PERFORMED PRIOR TO MAINLINE RESURFACING.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 P.M. AND 8:00 A.M. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

**ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN**

GRADE RINGS SHALL NOT BE USED TO ADJUST MANHOLES TO GRADE. ALL OTHER REQUIREMENTS SHALL STILL BE APPLICABLE.

**ITEM 448 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN**

THIS ITEM SHALL BE IN ACCORDANCE WITH ODOT ITEMS 401, 441, AND 448 WITH THE FOLLOWING MODIFICATIONS:

SURFACE COURSE SHALL BE A MIX DESIGN FOR MEDIUM TRAFFIC.

SBR/SBS SHALL MEET THE REQUIREMENTS OF ODOT 702.14. THE FINAL BLEND SHALL CONSIST OF 3.50% RUBBER SOLIDS TO 96.50% ASPHALT CEMENT.

AGGREGATE SHALL CONFORM TO ODOT ITEM 703.05, EXCEPT WASHED GRAVEL SHALL BE EXCLUDED AS A COURSE AGGREGATE MATERIAL.

PRIOR TO THE START OF PRODUCTION THE JOB-MIX FORMULA (JMF) SHALL BE SUBMITTED TO THE OWNER FOR REVIEW AND APPROVAL.

**ITEM 448 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN (CONT.)**

CONTACT SURFACES OF CURBING, GUTTERS, AND STREET CASTINGS SHALL BE PAINTED WITH A THIN, UNIFORM COATING OF BITUMINOUS MATERIAL PRIOR TO PLACING INTERMEDIATE COURSE.

ALL CONSTRUCTION JOINTS, BUTT JOINTS, AND INTERFACES WITH CURB, CURB AND GUTTER, AND STREET CASTING SHALL BE IMMEDIATELY SEALED PER ODOT ITEM 705.04.

PLACEMENT OF THE SURFACE COURSE BY USE OF A SPREADER BOX IS PROHIBITED.

ALL CRACKS THAT DEVELOP WITHIN ONE YEAR OF COMPLETING THE WORK SHALL BE SEALED AT NO COST TO THE OWNER AND AS DIRECTED BY THE ENGINEER. CRACKS SHALL BE SEALED WITH FIBER-REINFORCED CRACK SEALING MATERIAL.

ODOT 401.20 ASPHALT BINDER PREECE ADJUSTMENT SHALL NOT APPLY.

**ITEM 448 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG70-22M, AS PER PLAN**

THIS ITEM SHALL BE IN ACCORDANCE WITH ODOT ITEMS 401, 441, AND 448 WITH THE FOLLOWING MODIFICATIONS:

INTERMEDIATE COURSE SHALL BE A MIX DESIGN FOR MEDIUM TRAFFIC.

ASPHALT BINDER BITUMEN CONTENT SHALL BE A MINIMUM OF 4.5% BY WEIGHT OF TOTAL MIX FOR SLAG AGGREGATE AND 4.5% BY WEIGHT FOR LIMESTONE AGGREGATE.

SBR SHALL MEET THE REQUIREMENTS OF ODOT 702.14. THE FINAL BLEND SHALL CONSIST OF 3.50% RUBBER SOLIDS TO 96.50% ASPHALT CEMENT.

PRIOR TO THE START OF PRODUCTION THE JOB-MIX FORMULA (JMF) SHALL BE SUBMITTED TOTHE OWNER FOR REVIEW AND APPROVAL.

THE DURATION OF TIME BETWEEN MILLING AND PLACEMENT OF THE INTERMEDIATE COURSE SHALL NOT EXCEED FIVE DAYS.

CONTACT SURFACES OF CURBING, GUTTERS, AND STREET CASTINGS SHALL BE PAINTED WITH A THIN, UNIFORM COATING OF BITUMINOUS MATERIAL PRIOR TO PLACING INTERMEDIATE COURSE.

**ITEM 448 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG70-22M, AS PER PLAN (CONT.)**

ALL CONSTRUCTION JOINTS, BUTT JOINTS, AND INTERFACES WITH CURB, CURB AND GUTTER, AND STREET CASTING SHALL BE IMMEDIATELY SEALED PER ODOT ITEM 705.04.

PLACEMENT OF THE INTERMEDIATE COURSE BY USE OF A SPREADER BOX IS PROHIBITED.

ALL CRACKS THAT DEVELOP WITHIN ONE YEAR OF COMPLETING THE WORK SHALL BE SEALED AT NO COST TO THE OWNER AND AS DIRECTED BY THE ENGINEER. CRACKS SHALL BE SEALED WITH FIBER-REINFORCED CRACK SEALING MATERIAL.

ODOT 401.20 ASPHALT BINDER PREECE ADJUSTMENT SHALL NOT APPLY.

SHEET NUMBER											PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	6	7	9	10	01/MPO/PV /STRE											
<b>ROADWAY</b>																		
						1577					1577	202	23000	1577	SQ YD	PAVEMENT REMOVED		
											331	202	30000	331	SQ FT	WALK REMOVED		
	1500										50	202	32500	1550	FT	CURB AND GUTTER REMOVED		
											20	202	35101	20	FT	PIPE REMOVED, 24" AND UNDER, AS PER PLAN	3	
											1	202	58100	1	EACH	CATCH BASIN REMOVED		
											194		10000	194	SQ FT	4" CONCRETE WALK		
											326		52000	326	SQ FT	CURB RAMP		
	1500										50		12001	1550	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	4	
											4		39500	4	EACH	MONUMENT BOX ADJUSTED TO GRADE		
<b>EROSION CONTROL</b>																		
	1000										60		10001	1060	SQ YD	SEEDING AND MULCHING, AS PER PLAN	3	
													30000	5000	EACH	EROSION CONTROL		
<b>DRAINAGE</b>																		
											5		04400	5	FT	12" CONDUIT, TYPE B		
											10		04600	10	FT	12" CONDUIT, TYPE C		
											5		06100	5	FT	15" CONDUIT, TYPE C		
											1		98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE		
											1		98690	1	EACH	CATCH BASIN, MISC.: CITY OF AKRON NO. 3 INLET	16	
											1		99645	1	EACH	MANHOLE COVER, AS PER PLAN	5	
											3		99655	3	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	3	
<b>PAVEMENT</b>																		
											985		01000	985	SQ YD	PARTIAL DEPTH PAVEMENT REPAIR		
											591		01000	591	SQ YD	PAVEMENT REPAIR		
											19695		01001	19695	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN		
											2		20000	2	CU YD	AGGREGATE BASE		
											1064		10001	1064	GALLON	TACK COAT, AS PER PLAN	5	
											1064		14001	1064	GALLON	TACK COAT FOR INTERMEDIATE COURSE, AS PER PLAN	5	
											886		50101	886	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG70-22M, AS PER PLAN	4	
											886		50201	886	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN	3	
<b>WATER WORKS</b>																		
											1		10800	1	EACH	VALVE BOX ADJUSTED TO GRADE		
<b>TRAFFIC CONTROL</b>																		
											1.57		00300	2	MILE	CENTER LINE		
											264		00400	264	FT	CHANNELIZING LINE, 8"		
											211		00500	211	FT	STOP LINE		
											98		00600	98	FT	CROSSWALK LINE		
											450		00700	450	FT	TRANSVERSE/DIAGONAL LINE		
											2		01110	2	EACH	SCHOOL SYMBOL MARKING, 96"		
											5		01300	5	EACH	LANE ARROW		
<b>MAINTENANCE OF TRAFFIC</b>																		
											200		11110	200	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
											10		12460	10	EACH	WORK ZONE MARKING SIGN		
											3.14		21400	3	MILE	WORK ZONE CENTER LINE, CLASS II		
											506		23000	506	FT	WORK ZONE CHANNELIZING LINE, CLASS I		
											448		26000	448	FT	WORK ZONE STOP LINE, CLASS I		
<b>INCIDENTALS</b>																		
											LUMP		11000	LUMP		MAINTAINING TRAFFIC		
											LUMP		10000	LUMP		CONSTRUCTION LAYOUT STAKES		
											LUMP		10000	LUMP		MOBILIZATION		
											LUMP		69098400	LUMP		PRECONSTRUCTION VIDEO TAPING	5	

CALCULATED MJT CHECKED CJT

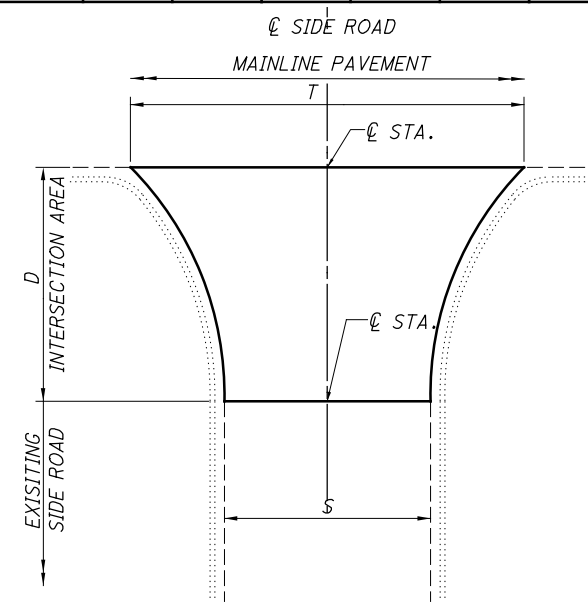
**GENERAL SUMMARY**

**POR-CR 197-01.03**

8  
19

LOCATION	SIDE	WIDTH 1	WIDTH 2	DISTANCE (D)	THROAT WIDTH (T)	SIDE STREET WIDTH (S)	AVERAGE WIDTH (W) OR (T+S)/2	CADD AREA	SURFACE AREA (A) = DxW	202	254	407	407	441	441	644	644	644	644	644	644	644	CALCULATED MJT CHECKED CJT																				
										PAVEMENT REMOVED	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	TACK COAT, AS PER PLAN	TACK COAT FOR INTERMEDIATE COURSE, AS PER PLAN	1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG 70-22M, AS PER PLAN	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22, AS PER PLAN	CENTER LINE	CHANNELIZING LINE, 8"	STOP LINE	CROSSWALK LINE	TRANSVERSE/DIAGONAL LINE	SCHOOL SYMBOL MARKING, 96"	LANE ARROW																					
<b>FROST ROAD (C.R. 197)</b>																																											
STA	TO	STA	STA							SQ YD	SQ YD	GALLON	GALLON	CU YD	CU YD	MILE	FT	FT	FT	FT		EACH																					
24+17	TO	27+43	LT/RT	25.0	25.0	326.0		25.00	8150.00		905.56	45.28	45.28	37.73	37.73																												
27+43	TO	29+75	LT/RT	25.0	34.5	232.0		29.75	6902.00		766.89	38.34	38.34	31.95	31.95																												
29+75	TO	33+07	LT/RT	34.5	34.5	332.0		34.50	11454.00		1272.67	63.63	63.63	53.03	53.03																												
33+07	TO	35+02	LT/RT	34.5	25.0	195.0		29.75	5801.25		644.58	32.23	32.23	26.86	26.86																												
35+02	TO	93+00	LT/RT	25.0	25.0	5798.0		25.00	144950.00		16105.56	805.28	805.28	671.06	671.06																												
20+00	TO	93+00	LT/RT			7300.0										1.57					450	5																					
21+32	TO	21+88	LT			56.0											56																										
29+99	TO	31+08	RT			109.0											109																										
31+55	TO	32+54	LT			99.0											99																										
		46+81																				1																					
		46+82																				1																					
<b>INTERSECTIONS</b>																																											
DAVID DRIVE	RT			32	97	26	61.50	1286.79		142.98		7.15	7.15	5.96	5.96			18																									
GREENTREE PARKWAY (WEST)	LT			30	107	37	72.00	1545.88		171.76		8.59	8.59	7.16	7.16			19	98																								
RODNEY STREET	RT			30	96	23	59.50	1240.21		137.80		6.89	6.89	5.74	5.74			19																									
RAYMOND STREET	RT			36	99	22	60.50	1335.45		148.38		7.42	7.42	6.18	6.18			20																									
GREENHAVEN STREET	RT			36	96	27	61.50	1552.94		172.55		8.63	8.63	7.19	7.19			25																									
GREENTREE PARKWAY (EAST)	LT			25	87	23	55.00	926.98		103.00		5.15	5.15	4.29	4.29			13																									
N DELMONTE BOULEVARD	LT			28	98	24	61.00	1197.21		133.02		6.65	6.65	5.54	5.54			19																									
S DELMONTE BOULEVARD	RT			25	89	35	62.00	1402.00		155.78		7.79	7.79	6.49	6.49			22																									
POSTON ROAD	LT			25	80	32	56.00	1243.04		138.12		6.91	6.91	5.75	5.75			21																									
MELDON DRIVE	RT			36	97	22	59.50	1373.84		152.65		7.63	7.63	6.36	6.36			18																									
SUNNY LANE	RT			25	89	26	57.50	1085.93		120.66		6.03	6.03	5.03	5.03			17																									
<b>SUB-TOTALS</b>										1576.70	19695.25	1063.60	1063.60	886.33	886.33	1.57	264	211	98	450	2	5																					
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>										1577	19695	1064	1064	886	886	1.57	264	211	98	450	2	5																					

**PAVEMENT CALCULATIONS**



**INTERSECTION MEASUREMENT DETAIL**  
N.T.S.