

PAVEMENT

ITEM 254 – PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING ASPHALT OVERLAY FULL WIDTH AT AN AVERAGE DEPTH OF TWO AND A QUARTER (2.25") INCHES, EXCEPT AS REQUIRED FOR PAVEMENT TRANSITIONS AS SPECIFIED IN THE PLANS ON SHEETS 11-16. AREAS WHICH HAVE TRANSVERSE WEDGES (BUTT JOINTS) ARE TO BE REMOVED IN TWO PASSES AS REQUIRED FOR MAINTAINING TRAFFIC. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE SECOND PASS. THIS ITEM INCLUDES PLANING OF CONCRETE UTILITY REPAIRS THROUGHOUT THE PROJECT.

THE DEPTH OF PAVEMENT PLANING MAY BE VARIABLE ACROSS THE PAVEMENT WIDTH, HOWEVER, THE DEPTH MAY BE ADJUSTED, BY THE ENGINEER, IN ORDER TO ACHIEVE APPROPRIATE PAVEMENT CROWN FOR DRAINAGE AND/OR TO MINIMIZE REMOVAL OF MATERIAL IN AREAS WITH LESS THAN TYPICAL OR AVERAGE STRUCTURAL STRENGTH. ALL PROVISIONS STATED IN ITEM 254 – PAVEMENT PLANING SHALL BE FOLLOWED

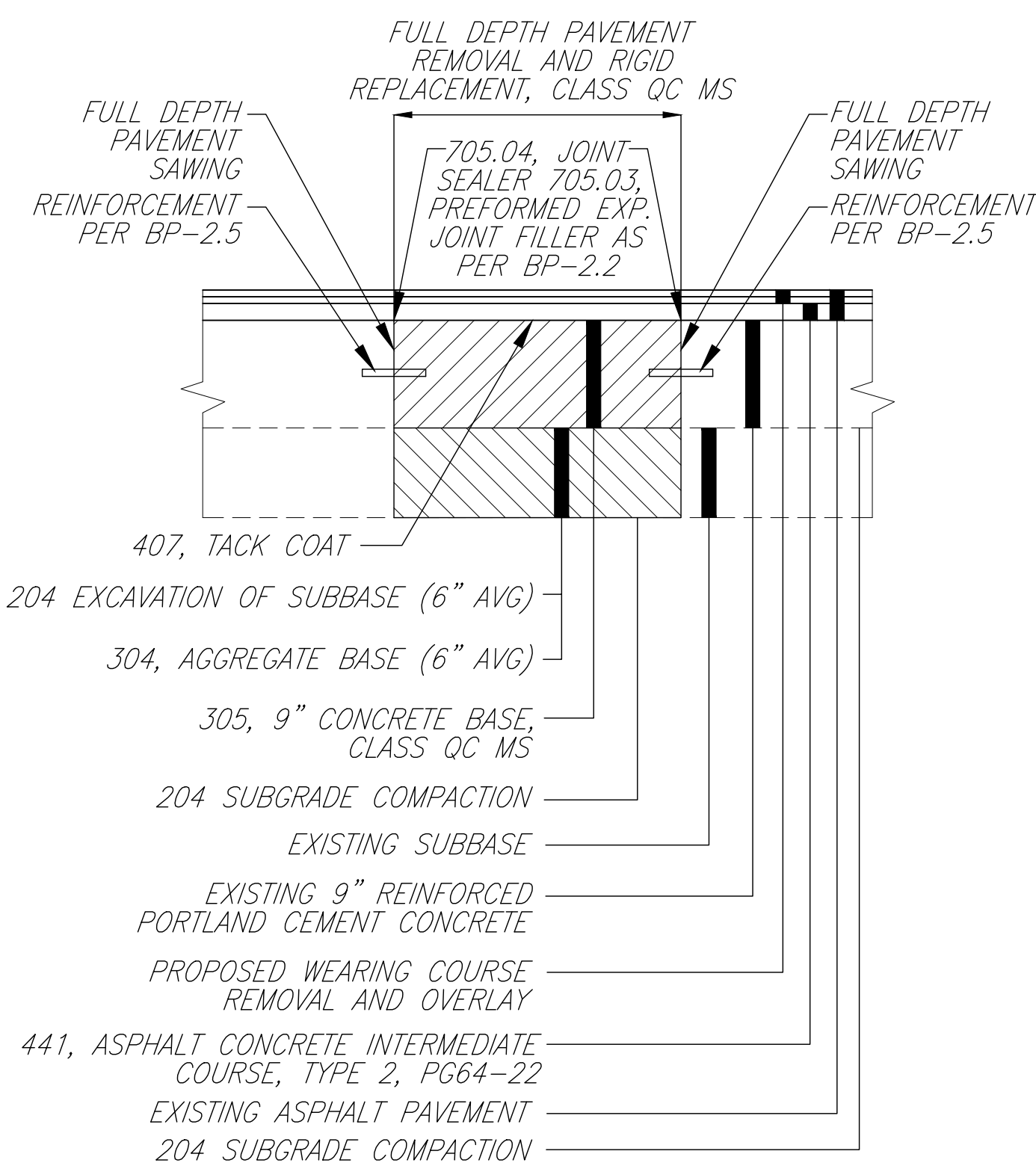
ITEM 255 – FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC MS, AS PER PLAN

THIS ITEM CONSISTS OF CUTTING AND REMOVING DETERIORATED ASPHALT PAVEMENT AND CONCRETE BASE PAVEMENT AND PLACING 305, 9" CONCRETE BASE, CLASS QC MS PER BP-2.5 AND 2"-4" 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, AS SHOWN IN THE DETAIL BELOW. ALL REQUIREMENTS FOR ITEM 451 SHALL APPLY, INCLUDING 451.08, FOR ITEM 305, 9" CONCRETE BASE, CLASS QC MS. UNLESS OTHERWISE DIRECTED BY ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE WEARING COURSE REMOVAL. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED.

EXCAVATION AND REPLACEMENT OF SUBGRADE SHALL ONLY OCCUR WHEN DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR SEPERATELY UNDER ITEM 204 – EXCAVATION OF SUBGRADE AND ITEM 304 – AGGREGATE BASE.

PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER, WITH MINIMUM LENGTH BEING 6' AND ONE LANE MINIMUM WIDTH. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 255 – FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC MS, AS PER PLAN. 1500 SY



ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR, (441), AS PER PLAN

THE ENGINEER SHALL IDENTIFY AREAS REQUIRING PARTIAL DEPTH REPAIR AFTER INITIAL WEARING COURSE REMOVAL IS COMPLETE. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. ALL APPLICABLE PROVISIONS OF ITEM 251, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY EXCEPT AS MODIFIED HEREIN.

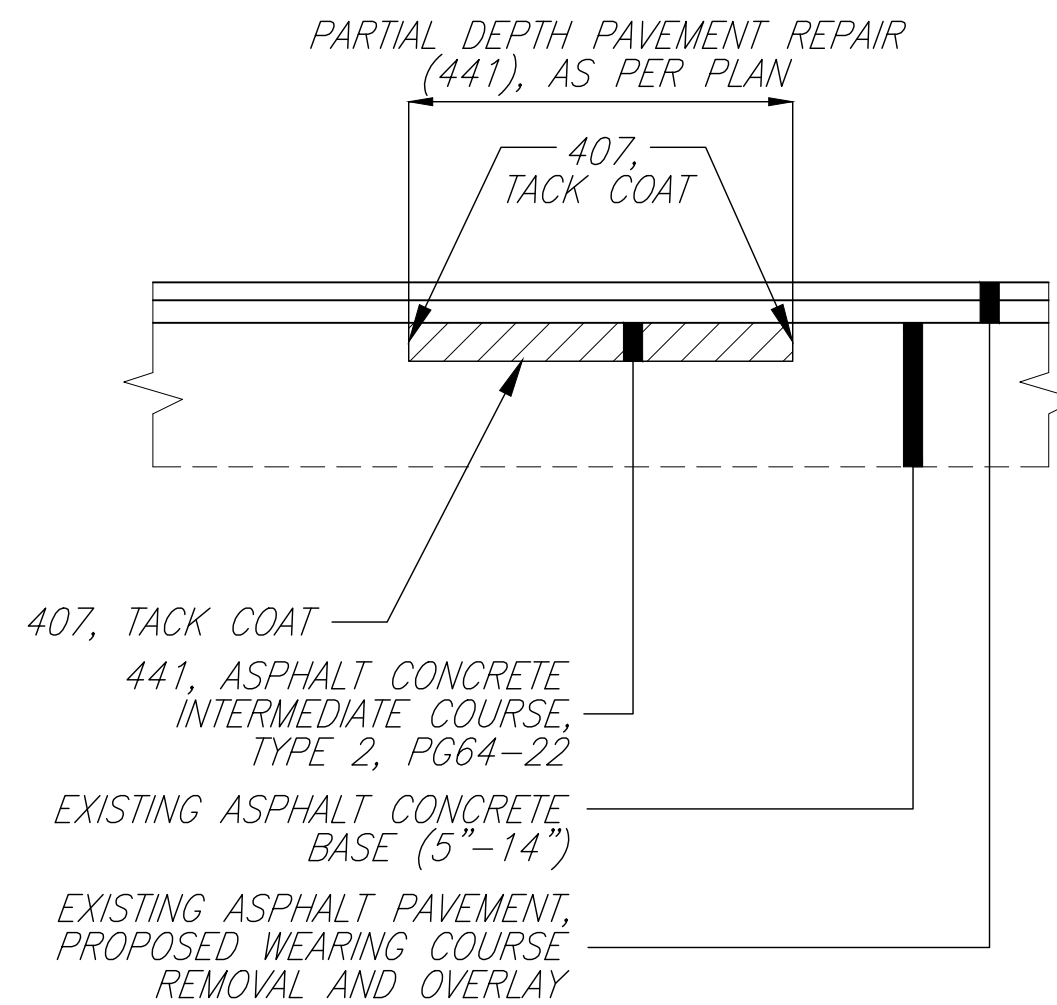
251.02 REMOVAL OF EXISTING PAVEMENT: APPROVED REMOVAL METHODS SHALL SATISFACTORILY ESTABLISH A NEAT VERTICAL FACE ALONG THE ENTIRE PERIMETER OF THE REPAIR AREA IN ORDER TO SUBSEQUENTLY PERMIT THE PROPER PLACEMENT OF THE 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, REMOVAL DEPTH SHALL BE 3" AND REMOVAL WIDTH SHALL BE NO LESS THAN 2.0' WIDE.

LOOSENED OR TOTALLY EXPOSED WIRE MESH REINFORCING SHALL BE CUT AND REMOVED AS REQUIRED WITHOUT DISPLACEMENT OR DISRUPTION TO THE REINFORCEMENT AND/OR PAVEMENT TO REMAIN.

NO SEPERATE PAYMENT SHALL BE MADE FOR ALL WORK DESCRIBED ABOVE AND ALL THE ITEMS SHOWN BELOW IN THE DETAIL. PAYMENT FOR THESE ITEMS WILL BE INCLUDED IN UNIT PRICE FOR ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441).

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

ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN 2500 SY



ITEM 253 – PAVEMENT REPAIR

THE ENGINEER SHALL IDENTIFY AREAS REQUIRING REPAIR AFTER INITIAL WEARING COURSE REMOVAL IS COMPLETE. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. ALL APPLICABLE PROVISIONS OF ITEM 253, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY EXCEPT AS MODIFIED HEREIN.

253.02 REMOVAL OF EXISTING PAVEMENT: APPROVED REMOVAL METHODS SHALL SATISFACTORILY ESTABLISH A NEAT VERTICAL FACE ALONG THE ENTIRE PERIMETER OF THE REPAIR AREA IN ORDER TO SUBSEQUENTLY PERMIT THE PROPER PLACEMENT OF THE 301, ASPHALT CONCRETE BASE, PG64-22. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, REMOVAL DEPTH SHALL BE VARIABLE AND REMOVAL WIDTH SHALL BE NO LESS THAN 4' WIDE. IF REMOVAL AND REPLACEMENT DEPTH EXCEEDS 6", THE PLACEMENT AND COMPACTION OF 301, ASPHALT CONCRETE BASE, PG64-22 SHALL BE COMPLETED IN 6" MAXIMUM DEPTH LIFTS.

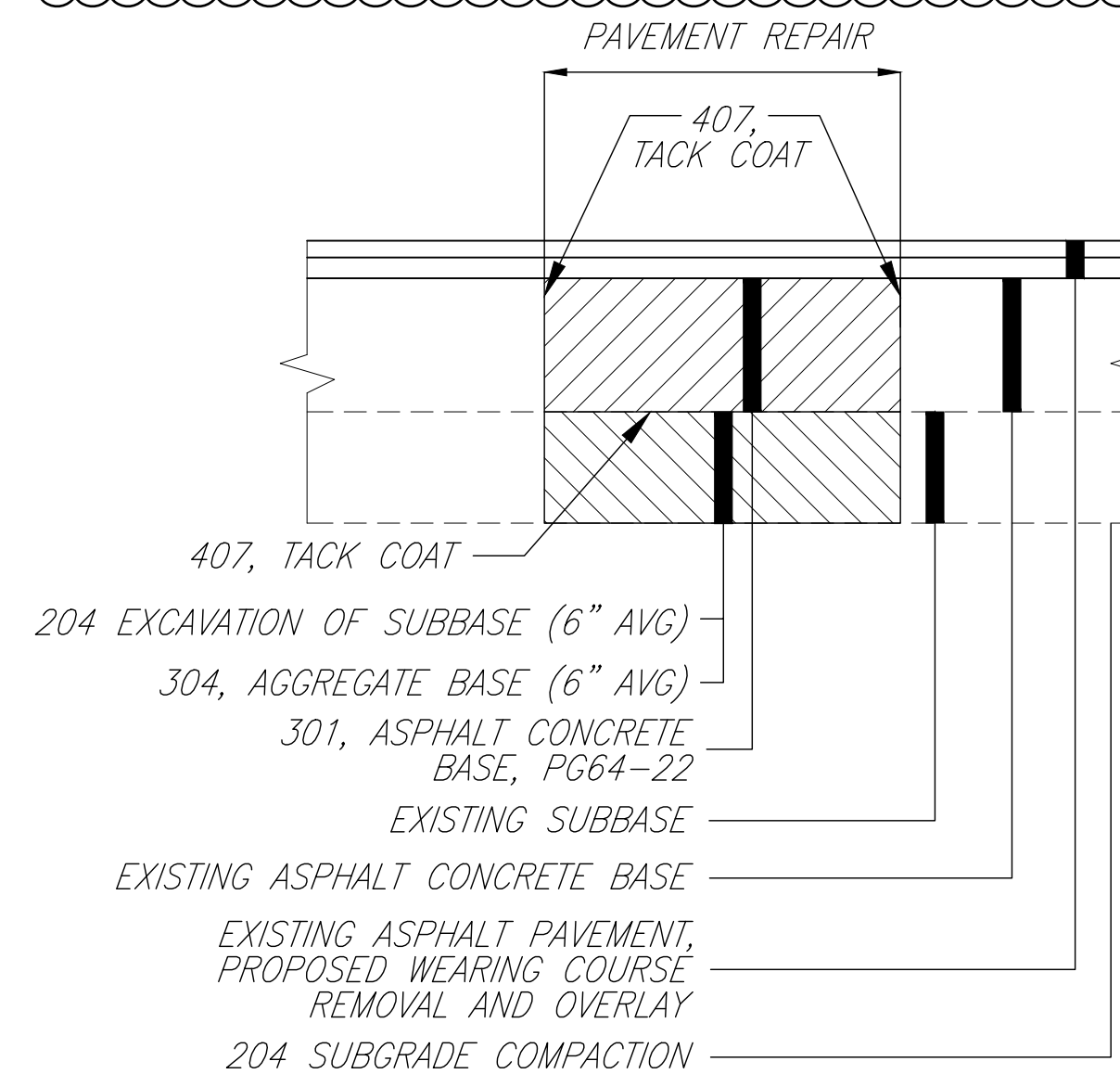
NO SEPERATE PAYMENT SHALL BE MADE FOR ALL WORK DESCRIBED ABOVE. PAYMENT FOR THESE ITEMS WILL BE INCLUDED IN UNIT PRICE FOR ITEM 253, PAVEMENT REPAIR.

ANY FULL DEPTH PAVEMENT REPAIR THAT IS IN THE OUTSIDE LANE WITH CURB SHALL INCLUDE REMOVING THE CURB PAID FOR UNDER ITEM 202 – CURB REMOVED.

EXCAVATION AND REPLACEMENT OF SUBGRADE SHALL ONLY OCCUR WHEN DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR SEPERATELY UNDER ITEM 204 – EXCAVATION OF SUBGRADE AND ITEM 304 – AGGREGATE BASE.

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

ITEM 253 – PAVEMENT REPAIR 300 CY



ASPHALT CONCRETE SURFACE COURSE SEALING REQUIREMENTS
IN ADDITION TO THE GUTTER SEALING REQUIREMENTS SPECIFIED ON SCD BP-3.1 AND 401.15, AFTER COMPLETION OF THE SURFACE COURSE, THE CONTRACTOR SHALL SEAL, WITH A CERTIFIED PG BINDER, THE FOLLOWING LOCATIONS:

- ALL CASTINGS INCLUDING BUT NOT LIMITED TO MONUMENTS, MANHOLES, WATER VALVES, CATCH BASINS AND CURB INLETS.
- BUTT JOINTS AND FEATHER JOINTS INCLUDING BRIDGE APPROACHES.
- FORWARD JOINT FOR DRIVEWAY ASPHALT AND TRAILING JOINT WHEN BUTTING TO EXISTING ASPHALT DRIVE.
- PERIMETER OF ALL PAVEMENT REPAIRS OR OTHER ASPHALT INLAYS WHEN PAVEMENT REPAIRS/INLAYS ARE NOT OVERLAID WITH AN ASPHALT CONCRETE SURFACE COURSE.
- ALL COLD LONGITUDINAL JOINTS BETWEEN PAVED SHOULDERS AND GUARD RAIL ASPHALT.

THE MATERIAL USED SHALL BE A CERTIFIED 702.01 BINDER. THE WIDTH OF THE SEALER SHALL BE TWO (2") INCHES.

ANY ADDITIONAL COSTS ASSOCIATED WITH THE WORK IDENTIFIED IN THIS NOTE SHALL BE INCLUDED IN THE APPROPRIATE ASPHALT CONCRETE SURFACE COURSE ITEM OF WORK.

UNSUITABLE SUBGRADE MATERIAL

WHERE UNSUITABLE SUBGRADE IS ENCOUNTERED, IT SHALL BE REMOVED TO THE DEPTH DETERMINED BY THE ENGINEER AND REPLACED IN EIGHT (8) INCH MAXIMUM MECHANICALLY COMPACTED LAYERS. SUITABLE EMBANKMENT MATERIAL (204.02) REQUIRED TO REPLACE THE UNDERCUT SUBGRADE SHALL, TO THE EXTENT POSSIBLE, EXHIBIT THE SAME PHYSICAL PROPERTIES AS THE ADJACENT SOUND SUBGRADE MATERIALS.

REMOVAL OF UNSUITABLE SUBGRADE SHALL BE PAID UNDER ITEM 204 – EXCAVATION OF SUBGRADE. THE COST OF FURNISHING AND COMPACTING SUITABLE EMBANKMENT MATERIAL IN PLACE SHALL BE PAID FOR UNDER ITEM 304 – AGGREGATE BASE.

THE FOLLOWING ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE ENGINEER, ARE CARRIED TO THE GENERAL SUMMARY FOR THIS WORK AND PAYMENT IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR:

ITEM 204 – EXCAVATION OF SUBGRADE 200 CY
ITEM 304 – AGGREGATE BASE 200 CY

CURB REPLACEMENT

CONCRETE CURB REMOVED IN CONJUNCTION WITH THE PAVEMENT REMOVAL OPERATIONS SHALL BE PAID FOR SEPERATELY UNDER ITEM 202 – CURB REMOVED.

CONCRETE CURB SO REMOVED SHALL BE REPLACED IN KIND AND PAID FOR UNDER ITEM 609 – CONCRETE CURB, TYPE 6 USING CLASS MS CONCRETE, AS PER PLAN.

ITEM 202 – CURB REMOVED 2000 LF
ITEM 609 – CURB, TYPE 6 2000 LF

ITEM 441 – ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG 70-22M, AS PER PLAN

THE COARSE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE A BLEND OF 60% MIN. AIR COOLED BLAST FURNACE SLAG (ACBFS) OR TRAP ROCK FROM ONTARIO WITH LIMESTONE COMPRISING THE REMAINING PERCENTAGE.

CALCULATED
CUB
CHECKED
DCC

GENERAL NOTES

GEA US 006 03.51/VAR

8	9	10	13	14	15	16	17	32	33	34	35	36	37	38	39	40	41	42	PARTICIPATION				ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION																							
																			01/S5K/05	02/S5K/05	03/NHS/05	04/NFP/05																												
																																	ROADWAY																	
								699	1181	951	1412	439	510	947	1091	558	569	520			4634	4243	202	30000	8877	SF	WALK REMOVED																							
	2000								16			21			65	3					1289	816	202	32000	2105	FT	CURB REMOVED																							
			1.30	1.93	0.49																		209	60500	3.72	MILE	LINEAR GRADING																							
								514	776	572	1137	375	270	657	984	344	431	301					6361	608	10001	6361	SF	4" CONCRETE WALK, AS PER PLAN																						
								162	354	449	450	64	222	263	298	239	175	190					2866	608	52001	2866	SF	CURB RAMP, AS PER PLAN																						
	2000								16			21	15		126	39		26					609	26000	2243	FT	CURB, TYPE 6																							
3																						623	38500	3	EA	MONUMENT ASSEMBLY, TYPE C																								
17																						4	13	623	39500	17	EA	MONUMENT BOX ADJUSTED TO GRADE																						
10																						2	8	623	40900	10	EA	MONUMENT MISC.: MONUMENT REFERENCING																						
																																	EROSION CONTROL																	
50																						30	20	659	00300	50	CY	TOPSOIL																						
0.06																						0.04	0.02	659	20000	0.06	TON	COMMERCIAL FERTILIZER																						
0.10																						0.06	0.04	659	31000	0.1	ACRE	LIME																						
1																						1		659	35000	1	M GAL	WATER																						
5000																						3000	2000	659	00510	5000	SY	SEEDING AND MULCHING, CLASS 2																						
10000																						3696	5435	869	832	30000	10000	EA	EROSION CONTROL																					
																																	DRAINAGE																	
138																						51	75	12	611	98631	138	EA	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN																					
54										1												21	31	3	611	99655	55	EA	MANHOLE ADJUSTED TO GRADE, AS PER PLAN																					
20000																						8000	12000		611	99820	20000	LB	MISCELLANEOUS METAL																					
34										2						2						14	14	10	638	10801	38	EA	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN																					
																																	PAVEMENT																	
200																						5		115	80	204	13000	200	CY	EXCAVATION OF SUBGRADE																				
2500																						50	930	1520	251	01001	2500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN																					
300																						6	176	118	253	02000	300	CY	PAVEMENT REPAIR																					
			44070	31237	34752	4225	6743															3887	41546	68851	6743	254	01000	121027	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, T=2-1/4"																				
1500																									1500	255	15001	1500	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC MS, AS PER PLAN																				
200																						5		115	80	304	20000	200	CY	AGGREGATE BASE																				
			3526	2500	2780	338	479															311	3324	5509	479	407	13900	9623	GAL	TACK COAT, 702.13 (@ 0.08 GAL/SY)																				
			2644	1874	2085	253	359															233	2493	4130	359	407	20000	7215	GAL	NON-TRACKING TACK COAT (@ 0.06 GAL/SQ. YD.)																				
			1530	1085	1207	147	208															135	1443	2391	208	441	10101	4177	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN, PG70-22M																				
			1224	868	965	117	166															108	1154	1912	166	441	50200	3340	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22																				
		100																						60	40	451	10011	100	CY	6" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN (DRIVEWAYS)																				
		83	163	46																		26		201	65	617	10100	292	CY	COMPACTED AGGREGATE																				
	9155																												LB	LONGITUDINAL JOINT ADHESIVE																				

CALCULATED
CUB
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DCC

GENERAL SUMMARY

GEA US 006 03.51/VAR