

ITEM 254 - PAVEMENT PLANING, AS PER PLAN

COLLECT SURFACE SMOOTHNESS USING EQUIPMENT AND OPERATORS CONFORMING TO SUPPLEMENT 1058. FURNISH THE DEPARTMENT'S APPROVAL LETTER OF THE PROFILER AND THE OPERATOR TO THE ENGINEER.

SMOOTHNESS MEASUREMENT:

MEASURE THE PAVEMENT SURFACE SMOOTHNESS IN BOTH WHEEL PATHS. WHEEL PATHS ARE LOCATED PARALLEL TO THE CENTERLINE OR BASELINE OF THE ROADWAY OR RAMP AND APPROXIMATELY 3.0 FEET (1.0 M) FROM THE CENTERLINE OF THE LANE, MEASURED TRANSVERSELY IN BOTH DIRECTIONS. ENSURE THE PATH OF THE PROFILER IS PARALLEL TO THE LANE CENTERLINE AT ALL TIMES. MEASURE THE ENTIRE LENGTH OF PAVEMENT, EVENT MARKING THE PROFILE RUNS SUCH THAT PROFILE DATA CAN LATER BE IDENTIFIED WHEN THE PROFILE SENSOR(S) IS WITHIN 1.0 FOOT (0.3 M) OF ANY EXISTING PAVEMENT NOT CONSTRUCTED ON THE PROJECT, PRESSURE RELIEF JOINT, APPROACH SLAB, OR OTHER NON PAVEMENT FEATURES (I.E. MANHOLES, VALVE BOXES). IT IS THE OPERATOR'S RESPONSIBILITY TO NOTE SUCH LOCATIONS IN THE COLLECTED INERTIAL PROFILES. REMOVE ANY OBJECTS SUCH AS DIRT, DEBRIS, CURING COVERS, ETC., PRIOR TO PERFORMING THE SURFACE SMOOTHNESS MEASUREMENTS. DEVELOP AN IRI ACCORDING TO ASTM E 1926 FOR EACH 0.1-MILE (0.16 KM) SECTION. SUBMIT ELECTRONIC FILES OF THE SUMMARY REPORT FROM PROVAL CONFORMING TO SUPPLEMENT 1110 AND ELECTRONIC FILES OF ALL LONGITUDINAL PAVEMENT PROFILES IN PROVAL COMPATIBLE FORMAT TO THE ENGINEER. THE ENGINEER WILL SUBMIT ELECTRONIC FILES TO THE OFFICE OF TECHNICAL SERVICES. PROVIDE NECESSARY TRAFFIC CONTROL AND SURVEY STATIONING FOR ALL SURFACE SMOOTHNESS MEASUREMENTS.

FROM STATION 910+80 TO 921+36 IN EACH LANE IN EACH DIRECTION, DEVELOP AND PROVIDE A VARIABLE DEPTH GRINDING PLAN THAT WILL ALLOW THE PLACEMENT OF A UNIFORM 3" (THREE INCH) 442 19MM MIX TO BE PLACED THAT RESULTS IN A SMOOTHNESS WITH NO LOCALIZED IRI OVER 160 IN THIS SECTION. ***CARE NEEDS TO BE TAKEN SO THERE IS SMOOTH TRANSITION BETWEEN LANES. PROVIDE THE PLAN TO THE ENGINEER FOR APPROVAL A MINIMUM OF 7 (SEVEN) DAYS PRIOR TO PERFORMING THIS WORK.

PAYMENT FOR COLLECTING ALL SURFACE SMOOTHNESS PROFILES AND DEVELOPING THE CORRECTIVE ACTION PLAN IS INCLUDED WITH THE VARIABLE DEPTH MILLING.

A QUANTITY OF 5632 SY OF ITEM 254 PAVEMENT PLANING, AS PER PLAN HAS BEEN CARRIED TO THE GENERAL SUMMARY.

A QUANTITY OF 469 CY OF 442 ASPHALT CONCRETE INTERMEDIATE COURSE 19MM TYPE 448 HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR FILLING THE VARIABLE DEPTH MILLING.

ITEM 617 COMPACTED AGGREGATE, AS PER PLAN

DESCRIPTION:

THE WORK SHALL CONSIST OF REMOVING VEGETATION AND OTHER ACCUMULATION OF DEBRIS UNDER THE GUARDRAIL AND THE FURNISHING AND PLACING OF STONE BACKFILL AS SHOWN IN THE PLANS

MATERIAL:

STONE BACKFILL SHALL BE DURABLE NO.67 SIZE CARBONATE STONE, GRADED IN ACCORDANCE WITH SECTION 703.01 OF THE SPECIFICATIONS.

CONSTRUCTION METHODS:

AFTER THE GUARDRAIL AND ASPHALT UNDER THE GUARDRAIL IS REMOVED. REPLACE WITH STONE BACKFILL MATERIAL. A HERBICIDE SHALL BE APPLIED TO THE AREA AFTER FINAL GRADING AND BEFORE PLACEMENT OF THE STONE. THE HERBICIDE SHALL BE TREFLANEC, SPIKE OR APPROVED EQUAL. HERBICIDE APPLICATION SHALL STRICTLY ADHERE TO THE INSTRUCTIONS OF THE MANUFACTURER AND APPLIED ONLY BY PROPERLY LICENSED PERSONNEL AS REQUIRED BY THE OHIO REVISED CODE.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT:

WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD, FURNISHED, AND PLACED, WHICH PRICE AND PAYMENT SHALL BE FULL COMPENSATION FOR FURNISHING, PLACING STONE BACKFILL, APPLYING HERBICIDE; AND ALL LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO PERFORM THE WORK, COMPLETE AND ACCEPTED. PAYMENT SHALL BE MADE UNDER:

ITEM 617 COMPACTED AGGREGATE, AS PER PLAN 606 CY

APP FOR IDEAL-CT:

FOLLOW ALL REQUIREMENTS OF THE SPECIFICATIONS WITH THE ADDITION OF THE FOLLOWING:

PERFORM THE IDEAL-CT FOR THE MIX DESIGN SUBMITTAL PER SUPPLEMENT 1033 ON THE JMF ASPHALT BINDER CONTENT DETERMINED FROM THE DESIGN AIR VOIDS AND ENSURE THE MINIMUM IN THE TABLE BELOW IS MET FOR THE MIX TYPE. THE IDEAL-CT ONLY NEEDS TO BE RAN FOR MIX DESIGN ACCEPTANCE.

PROVIDE RESULTS PER SUPPLEMENT 1033 WITH THE MIX DESIGN. SUPPLY SIX GYRATORY COMPACTED SPECIMENS TO THE HEIGHT MENTIONED IN SUPPLEMENT 1033 FOR THE MIX TYPE SPECIFIED. ALLOW MORE THAN TWO WEEKS FOR MIX DESIGN REVIEW AND PRELIMINARY APPROVAL DUE TO OMM VERIFYING THE MIX.

Mix Type	Minimum CT _{index}
Item 442 (Superpave) 9.5 mm	80
Item 442 (Superpave) 12.5 mm (Surface)	80
Item 442 (Superpave) 12.5 mm (Intermediate)	70
Item 442 (Superpave) 19 mm (Intermediate)	60
Item 441 (Marshall) Type 1 Surface Mixes	80
Item 441 (Marshall) Type 1 Intermediate Mixes	80
Item 441 (Marshall) Type 2 Intermediate Mixes	60
Item 302 (Marshall) Mixes	60

DESIGN AGENCY



DESIGNER
ALF

REVIEWER
JMF

PROJECT ID
107959

SHEET	TOTAL
6A	40

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE	
6	6A	7	8	9	12	13	14	15	16	01/NHS/PV	EXT	TOTAL				SHEET NO.	
ROADWAY																	
										LUMP	201	11000	LS		CLEARING AND GRUBBING		
								4,639		4,639	202	23000	4,639	SY	PAVEMENT REMOVED		
								2,890		2,890	202	32000	2,890	FT	CURB REMOVED		
								647		647	202	32500	647	FT	CURB AND GUTTER REMOVED		
								14,050		14,050	202	38000	14,050	FT	GUARDRAIL REMOVED		
								8		8	202	42010	8	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E		
								5		5	202	42040	5	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T		
								6		6	202	42050	6	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B		
								25		25	202	47000	25	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED		
								139		139	209	15000	139	STA	RESHAPING UNDER GUARDRAIL		
					18.27	2.5				20.77	209	60500	20.77	MILE	LINEAR GRADING		
								12,950		12,950	606	15050	12,950	FT	GUARDRAIL, TYPE MGS		
								2		2	606	26050	2	EACH	ANCHOR ASSEMBLY, MGS TYPE B		
								11		11	606	26150	11	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	6	
								7		7	606	26550	7	EACH	ANCHOR ASSEMBLY, MGS TYPE T		
								14		14	606	35002	14	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1		
								8		8	606	35102	8	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2		
								4		4	606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4		
								2,890		2,890	609	10000	2,890	FT	ASPHALT CONCRETE CURB, TYPE 1		
								647		647	609	12000	647	FT	COMBINATION CURB AND GUTTER, TYPE 2		
5										5	623	39500	5	EACH	MONUMENT BOX ADJUSTED TO GRADE		
EROSION CONTROL																	
								2,904		2,904	659	10000	2,904	SY	SEEDING AND MULCHING		
								0.39		0.39	659	20000	0.39	TON	COMMERCIAL FERTILIZER		
								16		16	659	35000	16	MGAL	WATER		
										1,000	832	30000	1,000	EACH	EROSION CONTROL		
DRAINAGE																	
2										2	611	98630	2	EACH	CATCH BASIN ADJUSTED TO GRADE		
2										2	611	99150	2	EACH	INLET ADJUSTED TO GRADE		
PAVEMENT																	
					297,806	29,237				327,043	254	01000	327,043	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1 3/4"		
	5,632									5,632	254	01001	5,632	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE	6A	
1,760										1,760	255	10161	1,760	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN	6	
7,920										7,920	255	20000	7,920	FT	FULL DEPTH PAVEMENT SAWING		
					6,836					6,836	257	10000	6,836	SY	DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT		
					25,314	2,485				27,799	407	20000	27,799	GAL	NON-TRACKING TACK COAT		
					14,477	1,421				15,898	442	10000	15,898	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)		
	469									469	442	20200	469	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448)	6A	
					888	141				1,029	617	10100	1,029	CY	COMPACTED AGGREGATE		
								606		606	617	10101	606	CY	COMPACTED AGGREGATE, AS PER PLAN	6A	
					136,258					136,258	618	40100	136,258	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)		
					23,862					23,862	875	10000	23,862	LB	LONGITUDINAL JOINT ADHESIVE		
TRAFFIC CONTROL																	
										1,171	1,171	621	00100	1,171	EACH	RPM	
										1,171	1,171	621	54000	1,171	EACH	RAISED PAVEMENT MARKER REMOVED	
								278		278	626	00116	278	EACH	BARRIER REFLECTOR, TYPE 5, UNIDIRECTIONAL		
										42	42	630	03100	42	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
										16.76	16.76	630	80100	16.76	SF	SIGN, FLAT SHEET	
										6	6	630	84900	6	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
										6	6	630	86002	6	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
										28.96	28.96	642	00104	28.96	MILE	EDGE LINE, 6", TYPE 1	
										13.86	13.86	642	00204	13.86	MILE	LANE LINE, 6", TYPE 1	
										0.83	0.83	642	00300	0.83	MILE	CENTER LINE, TYPE 1	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
ALF

REVIEWER
JMF

PROJECT ID
107959

SHEET TOTAL
10 40