CALCULATED TMK CHECKED CWW

GENERAL NOTES

ALIGNMENT AND PROFILE

THE WORK PROPOSED BY THIS PROJECT CONSISTS OF RESURFACING OF THE EXISTING PAVEMENT. THE ALIGNMENT OF THE EXISTING PAVEMENT WILL NOT BE CHANGED AND THE PROFILE OF THE PROPOSED SURFACE WILL BE SIMILAR TO THAT OF THE EXISTING PAVEMENT.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN

PAVEMENT REPAIR SHALL BE IN ACCORDANCE WITH ITEM 253 - PAVEMENT REPAIR, WITH THE FOLLOWING ADDITIONS:

THE AREAS OF ITEM 253, PAVEMENT REPAIR, AS PER PLAN ARE LOCATED THROUGHOUT THE PROJECT LIMITS.

THE ENGINEER SHALL DESIGNATE THE LOCATIONS AND LIMITS OF THE AREAS TO BE REPAIRED. THE AREAS SHALL BE ROUGHLY RECTANGULAR IN SHAPE AND SAWED OR MILLED TO A NEAT LINE. THE DEPTH OF REMOVAL, AS DIRECTED BY THE ENGINEER, SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT. THE ENTIRE AREA INCLUDING VERTICAL FACES SHALL BE COATED PRIOR TO PLACING THE REPLACEMENT MATERIAL PER 253.03. THE REPLACEMENT MATERIAL SHALL BE ITEM 301 - ASPHALT CONCRETE BASE, PG64-22.

THE ESTIMATED PAVEMENT REPAIR AREAS SHALL BE A MINIMUM OF 4 FEET IN WIDTH AND 4 INCHES IN DEPTH MEASURED FROM THE MILLED SURFACE OR AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN = 950 SQ YD

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A

AN ESTIMATED QUANTITY OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE HAS BEEN INCLUDED IN THE PLANS.

THE APPROXIMATE DEPTH OF PAVEMENT PLANING SHALL BE ONE AND THREE QUARTER INCH (1 3/4").

THE APPROXIMATE WIDTH OF THE PAVEMENT PLANING SHALL VARY FROM THIRTY EIGHT FEET (38') TO SEVENTY TWO FEET (72').

NO AREA OF PAVEMENT PLANING SHALL BE OPENED TO THE TRAVELING PUBLIC. IT IS THE INTENT OF THE OHIO DEPARTMENT OF TRANSPORTATION THAT THE PAVEMENT PLANING AND THE PLACEMENT OF ITEM 442 ASPHALT CONCRETE BE IN CONJUNCTION WITH EACH OTHER ON A NIGHTLY BASES PRIOR TO OPENING THE ROAD TO THE TRAVELING PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT THIS IS A COMPLETE PROCESS EACH NIGHT.

THERE ARE APPROXIMATELY TWO CASTINGS WITHIN THE PLANING AREA.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 611 - MANHOLE ADJUSTED TO GRADE = 2 EACH - (RAMP E)

ANY CASTINGS THAT REQUIRE ADJUSTING DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR THE ADJUSTMENTS OF CASTINGS SHALL BE INCLUDED IN ITEM 611. ANY NEW CASTINGS REQUIRED SHALL BE FURNISHED TO THE CONTRACTOR BY THE CITY OF OF DAYTON. ADJUSTING DEVICES ON MANHOLE COVERS ARE PROHIBITED.

ITEM 618 - RUMBLE STRIPS (ASPHALT CONCRETE)

A QUANTITY OF 9.96 MILES OF ITEM 618, RUMBLE STRIPS (ASPHALT CONCRETE) HAS BEEN CARRIED TO THE GENERAL SUMMARY.

THE LOCATION IS:
MOT-USR 35 FROM SLM 15.07 TO SLM 18.27 = 3.20 MILES
DEDUCT FOR BRIDGE DECKS = -0.71 MILES
TOTAL = 2.49 MILES

2.49 MILES X 4 SHOULDERS = 9.96 MILES

COORDINATION OF WORK:

D07 SIGN FY20 (PID 108054)
MOT-75-11.64/11.78 (PID 93776)
MOT/GRE-35-18.57/0.00 (PID 89130)

THE CONTRACTOR IS ADVISED THAT ADJACENT CONSTRUCTION PROJECTS WITHIN OR NEAR THE WORK LIMITS OF THIS PLAN MAY IMPACT THE PROJECT SCHEDULE, SEQUENCE OF CONSTRUCTION AND/OR TRAFFIC CONTROL BETWEEN ADJACENT ZONES. THE CONTRACTOR IS REQUIRED TO COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ADJACENT CONSTRUCTION PROJECTS. COOPERATION WITH THE ENGINEER, INSPECTORS AND ALL OTHER CONTRACTORS ON OR ADJACENT TO THE PROJECT IS REQUIRED PER CMS 105.08.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN

THE MATERIAL USED FOR RESURFACING SHALL CONSIST OF ONE AND THREE QUARTERS INCH (1.75") OF ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN. THE BINDER SHALL BE PG 76-22M.

ITEM 254 - PATCHING PLANED SURFACE, AS PER PLAN

PAVEMENT AREAS DESIGNATED FOR PATCHING AFTER PAVEMENT PLANING OPERATION SHALL BE MILLED TWO INCHES (2") IN DEPTH.

AN ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 254 - PATCHING PLANED SURFACE, AS PER PLAN = 50 SQ YD

ITEM 632 - DETECTOR LOOP, AS PER PLAN

DURING THE COURSE OF THIS CONTRACT, IT MAY BE NECESSARY FOR THE CONTRACTOR TO COORDINATE LOOP DETECTOR WORK WITH THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) AND OTHER CONTRACTORS INVOLVED WITH ASPHALT PLANING AND RESURFACING PROJECTS. THE CONTRACTOR SHALL REPLACE LOOP DETECTORS REMOVED BY ASPHALT PLANING OPERATIONS BEFORE PLACEMENT OF THE SURFACE COURSE.

THE CITY OF DAYTON WILL PROVIDE TO THE CONTRACTOR, A SET OF PLANS SHOWING THE LOCATION OF THE LOOPS TO BE REPLACED. THE CONTRACTOR SHALL COORDINATE ALL NECESSARY WORK.

THE FRONT EDGE OF THE POWERHEAD LOOP DETECTORS SHALL BE LOCATED 1 (ONE) TO 3 (THREE) FEET BEHIND THE REAR EDGE OF THE STOP LINE.

THE CONTRACTOR SHALL COORDINATE AND CORROBORATE THE LAYOUT OF ALL LOOP DETECTORS AND PAVEMENT MARKINGS WITH THE CITY OF DAYTON.

THE CITY OF DAYTON SHALL BE PRESENT WHEN THE CONTRACTOR MARKS THE LOCATION WHERE THE PAVEMENT IS TO BE SAWED TO BE ASSURED THAT THE PROPOSED LOOP DETECTORS ARE IN THE SAME PLACE AS THE EXISTING LOOP DETECTORS. ALL LOOP DETECTOR INSTALLATIONS SHALL BE MADE BEFORE THE ASPHALT CONCRETE SURFACE COURSE IS PLACED.

THE CITY OF DAYTON SHALL BE RESPONSIBLE FOR DISCONNECTION AND RECONNECTION OF THE LOOP DETECTORS IN THE SYSTEM. THE CONTRACTOR SHALL GIVE THE CITY OF DAYTON, FORTY-EIGHT (48) HOURS NOTICE BEFORE BEGINNING PAVEMENT PLANING IN AREAS WITH LOOP DETECTORS.

STANDARD CONSTRUCTION DRAWING TC-82.10

LOCATIONS AND NUMBER OF LOOPS ARE AS FOLLOWS:

RAMP	LANE	LOCATION	SHAPE	SIZE
E	SINGLE	35' IN ADVANCE OF STOP LINE @ PATTERSON	TRANSVERSE	16' X 6'
E	SINGLE	STOP LINE @ PATTERSON	TRANSVERSE	14' X 6'
E	SINGLE	60' IN ADVANCE OF STOP LINE @ JEFFERSON	A.D.D.	4.5'
J	RIGHT	STOP LINE @ CROSSWALK	POWERHEAD	6' X 20'
J	LEFT	STOP LINE @ CROSSWALK	POWERHEAD	6' X 20'
J	LEFT	75' IN ADVANCE OF STOP LINE @ KEOWEE	A.D.D.	4.5'
L	RIGHT	50' IN ADVANCE OF STOP LINE @ WAYNE	A.D.D.	4.5'
L	LEFT	50' IN ADVANCE OF STOP LINE @ WAYNE	A.D.D.	4.5'
L	RIGHT	STOP LINE @ WAYNE	POWERHEAD	6' X 20'
L	LEFT	STOP LINE @ WAYNE	POWERHEAD	6' X 20'
P	RIGHT	190' IN ADVANCE OF STOP LINE @ STEVE WHALEN	A.D.D.	4.5'
P	LEFT	190' IN ADVANCE OF STOP LINE @ STEVE WHALEN	A.D.D.	4.5'
P	RIGHT	STOP LINE @ STEVE WHALEN	POWERHEAD	6' X 20'
P	LEFT	STOP LINE @ STEVE WHALEN	POWERHEAD	6' X 20'
R	RIGHT	200' IN ADVANCE OF STOP LINE @ STEVE WHALEN	A.D.D.	4.5'
R	LEFT	200' IN ADVANCE OF STOP LINE @ STEVE WHALEN	A.D.D.	4.5'
R	RIGHT	STOP LINE @ STEVE WHALEN	POWERHEAD	6' X 20'
R	LEFT	STOP LINE @ STEVE WHALEN	POWERHEAD	6' X 20'
		TOTAL	18 LOOPS	

ITEM 632 - LOOP DETECTOR TIE-IN, AS PER PLAN

THIS WORK SHALL CONSIST OF MAKING CONNECTIONS TO EXISTING LOOP DETECTOR LEAD-IN WIRE, WHETHER THAT WIRE IS UNDERGROUND OR AERIAL. INCLUDED IN THIS ITEM IS THE POURED WATERPROOF EPOXY INSULATED SPLICE KIT (CONFORMING TO 725.15) THAT MUST BE USED IN MAKING THESE CONNECTIONS.

ALL CONNECTIONS OF THE LOOP WIRE TO THE LOOP LEADS SHALL BE SOLDERED PRIOR TO BEING PLACED IN THE SPLICE KITS.

THIS ITEM IS NEEDED ONLY WHEN A TIE-IN SITUATION EXISTS. WHEN ALL NEW LEAD-IN WIRE IS SPECIFIED IN THE PLAN, THIS ITEM OF WORK IS NOT REQUIRED.

PAYMENT FOR THIS ITEM WILL INCLUDE ALL NECESSARY LABOR, MISCELLANEOUS HARDWARE AND EQUIPMENT REQUIRED TO PROVIDE FOR THE LOOP DETECTOR TIE-IN AND OPERATION. BASIS OF PAYMENT WILL BE AT THE CONTRACT BID PRICE PER EACH.

ITEM 632 LOOP DETECTOR TIE-IN, AS PER PLAN = 18 EACH

PAVEMENT MARKINGS

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DOCUMENT THE LAYOUT OF THE EXISTING PAVEMENT MARKINGS INCLUDING EXISTING LANE AND SHOULDER WIDTHS IN A LOG AND SUBMIT TO THE DEPARTMENT FOR ACCEPTANCE. THE DEPARTMENT WILL NOT ALLOW THE CONTRACTOR TO PERFORM ANY PAVEMENT WORK FUNCTIONS (MILLING, OVERLAY, ETC.) UNTIL ACCEPTANCE OF THE SUBMITTED EXISTING MARKING LOG.

MARKINGS SHALL REPLACED IN KIND EXCEPT WHERE EXISTING MARKINGS DO NOT MEET THE CURRENT STANDARD CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL COORDINATE AND CORRABORATE THE PROPOSED LAYOUT OF ALL PAVEMENT MARKINGS PER APPLICABLE STANDARD CONSTRUCTION DRAWINGS WITH ODOT.

NO PERMANENT PAVEMENT MARKINGS OR RAISED PAVEMENT MARKERS SHALL BE PLACED UNTIL THE ODOT PROJECT ENGINEER HAS APPROVED THE LOCATION AND/OR LAYOUT OF THE WORK ZONE PAVEMENT MARKINGS.

ITEM 646 - CHEVRON MARKINGS

ADDITIONAL CHEVRON MARKINGS SHALL BE PLACED PER STANDARD DRAWING TC-72.20 AT THE SOUTHBOUND IR 75 AND US 35 RAMP GORE. CHEVRON MARKING PLACEMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. A QUANTITY OF 110' OF ITEM 646 CHEVRON MARKINGS HAS BEEN CARRIED TO THE GENERAL SUMMARY.

MOT-35-15.07 PART 2

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
		4	6	7	13	14	15	16	17	22	23								
																		DRAINAGE	
		2												611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
																		PAVEMENT	
		950												253	01001	950	SY	PAVEMENT REPAIR, AS PER PLAN	4
					81,879	82,670	31,860	48,682	19,462					254	01000	264,553	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1 3/4" Depth	
		50												254	01601	50	SY	PATCHING PLANED SURFACE, AS PER PLAN	4
					6,961	7,028	2,708	4,141	1,656					407	20000	22,494	GAL	NON-TRACKING TACK COAT	
					2,599	2,529	1,549	2,369	947					442	00100	9,993	CY	ANTI-SEGREGATION EQUIPMENT	
					3,981	4,020	1,549	2,369	947					442	10301	12,866	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG76-22M	4
					154	163	200	301	96					617	10100	914	CY	COMPACTED AGGREGATE	
		9.96												618	40600	9.96	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
																		TRAFFIC CONTROL	
											1,436			621	00100	1,436	EACH	RPM	
											1,436			621	54000	1,436	EACH	RAISED PAVEMENT MARKER REMOVED	
										24.02				644	00104	24.02	MILE	EDGE LINE, 6"	
										13.35				644	00204	13.35	MILE	LANE LINE, 6"	
										287				644	00400	287	FT	CHANNELIZING LINE, 8"	
										16,551				644	00404	16,551	FT	CHANNELIZING LINE, 12"	
										332				644	00500	332	FT	STOP LINE	
										1,382				644	00600	1,382	FT	CROSSWALK LINE	
										245				644	00720	245	FT	CHEVRON MARKING	
										19				644	01300	19	EACH	LANE ARROW	
										12				644	01360	12	EACH	WRONG WAY ARROW	
										6,971				644	01510	6,971	FT	DOTTED LINE, 6"	
										6,448				644	01520	6,448	FT	DOTTED LINE, 12"	
		110												646	10620	110	FT	CHEVRON MARKING	
																		TRAFFIC SIGNALS	
		18												632	26501	18	EACH	DETECTOR LOOP, AS PER PLAN	4
		18												632	27201	18	EACH	LOOP DETECTOR TIE IN, AS PER PLAN	4
																		MAINTENANCE OF TRAFFIC	
				500										614	11110	500	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
				15										614	12500	15	EACH	REPLACEMENT SIGN	
				25										614	12600	25	EACH	REPLACEMENT DRUM	
			6											614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
										13.35				614	20560	13.35	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
										24.02				614	22360	24.02	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
										287				614	23680	287	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
										16,551				614	23690	16,551	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
										6,971				614	24612	6,971	FT	WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT	
										6,448				614	24618	6,448	FT	WORK ZONE DOTTED LINE, CLASS III, 12", 642 PAINT	
										332				614	26610	332	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
										19				614	30650	19	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
			12											808	18700	12	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
																		INCIDENTALS	
														614	11000	LS		MAINTAINING TRAFFIC	
														624	10000	LS		MOBILIZATION	

CALCULATED TMK
CHECKED CWW

GENERAL SUMMARY

MOT-35-05.07 PART 2