

**UTILITIES**

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

**EXISTING PLANS**

EXISTING PLANS ENTITLED "VAN/PUT/ALL-30-21.18/0.00/0.00 PID 16055" AND "VAN/PUT/ALL-30-21.18/0.00/0.00 PID 75522" MAY BE INSPECTED IN THE ODOT DISTRICT 1 OFFICE IN LIMA, OH.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**PROFILE AND ALIGNMENT**

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

**PIPE UNDERDRAINS**

ANY PIPE UNDERDRAINS BROKEN OR DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE STATE.

**EROSION CONTROL**

THE QUANTITY BELOW HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR EROSION CONTROL.

ITEM 832 EROSION CONTROL = 1,000 EACH

**ELECTRONIC TICKETING**

**PURPOSE**

PROVIDE ELECTRONIC MATERIAL TICKETS IN AN ELECTRONIC FORMAT DIRECTLY RECORDED FROM THE MATERIAL LOADING SOURCE.

PROVIDE ELECTRONIC MATERIAL TICKETS FOR THE FOLLOWING MATERIALS:

AGGREGATE  
ASPHALT CONCRETE

THIS NOTE IN NO WAY SUPERSEDES ANY OTHER COMMERCIAL REGULATIONS OR ANY OTHER LEGAL REQUIREMENTS REGULATING THE TRANSPORTATION OF COMMERCIAL MATERIALS.

**REQUIREMENTS**

AT THE PRE-CONSTRUCTION MEETING, SUBMIT AN ELECTRONIC TICKETING PLAN TO THE ENGINEER DESCRIBING THE PROPOSED ELECTRONIC TICKET DELIVERY METHOD. THE ELECTRONIC MATERIAL TICKET SHALL CONTAIN INFORMATION AS REQUIRED PER THE APPLICABLE MATERIAL SPECIFICATION FOR WEIGHT MEASUREMENT AND OTHER MATERIAL CHARACTERISTICS; PROVIDE AN EXAMPLE(S) OR A "MOCK-UP" OF THE PROPOSED ELECTRONIC TICKET TO SHOW THE DETAILS ON WHAT IS TO BE TRANSMITTED TO THE DEPARTMENT. NAMING OF THE ELECTRONIC MATERIAL TICKET FILES SHALL BE DISTINCT SUCH THAT THE TICKET'S REPRESENTED MATERIAL IS EASILY DETERMINED; INCLUDE THE PROPOSED NAMING CONVENTION. DELIVERY MAY BE THROUGH A PRODUCER WEBSITE UPLOAD ACCESSIBLE TO THE ENGINEER, ODOT PROJECT SPECIFIC SHAREPOINT DOCUMENTATION SITE UPLOAD, OR ANOTHER SECURE ELECTRONIC TRANSMITTAL MEANS. EMAILING OF A TICKET TO AN ODOT CONTACT IS ACCEPTABLE BUT IS NOT PREFERRED. THE ELECTRONIC TICKETING PLAN SHALL IDENTIFY A CONTINGENCY METHOD FOR MANUALLY CAPTURING AND DELIVERING TICKET INFORMATION IF ELECTRONIC TRANSMISSION IS TEMPORARILY UNAVAILABLE. AN ELECTRONIC TICKETING PLAN WHICH INCLUDES SOLELY THE USE OF DIGITAL PHOTOS OF PAPER TICKETS IS NOT ACCEPTABLE.

THE DEPARTMENT RECOGNIZES THAT VARIOUS DIGITAL TICKETING SYSTEMS MAY BE COMMERCIALY AVAILABLE AND USED TO ACCOMMODATE INDIVIDUAL CONTRACTORS AND MATERIAL SUPPLIER CAPABILITIES. THE CONTRACTOR MAY PROVIDE A DIGITAL TICKETING SYSTEM GIVING SECURE ACCESS TO ORGANIZED DIGITAL DATA. IF UTILIZED, THE DIGITAL TICKETING SYSTEM MAY ALSO BE ACCESSIBLE BY REAL-TIME MONITORING WITH A MOBILE COMMUNICATION DEVICE SUCH AS A TABLET, SMARTPHONE, ETC. THROUGH MOBILE DEVICE APPLICATIONS ("MOBILE APP") IF ACCEPTABLE TO THE DEPARTMENT. IF A DIGITAL TICKETING SYSTEM REQUIRES A MOBILE APP, THE MOBILE APP SHALL BE AT NO COST TO THE DEPARTMENT. THE DIGITAL DATA MUST BE ABLE TO BE EXPORTED IN A FORMAT USABLE BY THE ENGINEER UPON REQUEST (I.E. MICROSOFT WORD, MICROSOFT EXCEL, PDF FORMATS).

DELIVER EACH ELECTRONIC MATERIAL TICKET TO THE ENGINEER PRIOR TO THE PLACEMENT OF MATERIAL, BUT NOT PRIOR TO THE LOADING OF MATERIAL AT THE SOURCE.

PROVIDE THE ENGINEER A DAILY MATERIAL SUMMARY REPORT BY THE END OF THE DAY'S HAULING ACTIVITIES, OR AT A TIME AS APPROVED BY THE ENGINEER. THE DAILY MATERIAL SUMMARY REPORT INCLUDES SUMMARY INFORMATION LISTED FOR EACH MATERIAL AS OUTLINED IN THE RESPECTIVE MATERIAL SPECIFICATION.

**PAYMENT**

COSTS FOR THE ELECTRONIC TICKETING SHALL BE INCIDENTAL TO THE PROJECT.

**ITEM 253, PAVEMENT REPAIR**

THE ESTIMATED QUANTITY BELOW HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER. IT IS ESTIMATED THE REPAIRS WILL BE APPROXIMATELY 7.25 INCHES DEEP AND WILL CONSIST OF LONGITUDINAL REPAIRS. THE ESTIMATED WIDTH OF THESE REPAIRS IS 4-12 FEET. THE ESTIMATED LENGTH OF REPAIRS IS 50 TO 1300 FEET. A SUMMARY OF ANTICIPATED LOCATIONS HAS BEEN PROVIDED IN THE "REFERENCE ONLY" SECTION ON THE OFFICE OF CONTRACTS WEBSITE, HOWEVER FINAL DIMENSIONS WILL BE AS DETERMINED IN THE FIELD. REPAIRS SHALL BE COMPLETED USING ITEM 301 ASPHALT CONCRETE BASE.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. PAYMENT WILL BE MADE AT THE UNIT PRICE BID PER CUBIC YARD OF ITEM 253 PAVEMENT REPAIR.

ITEM 253 PAVEMENT REPAIR = 870 CY

**ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN**

THE QUANTITY FOR COMPACTED AGGREGATE WAS DETERMINED ASSUMING WIDTH OF 2 FEET AND A THICKNESS OF 1.5". IN AREAS WHERE THE ELEVATION OF THE EXISTING BERM IS LESS THAN 1.5" FROM THE SHOULDER SURFACE, ADJUST THE THICKNESS AS NEEDED TO ENSURE POSITIVE DRAINAGE AWAY FROM THE PAVEMENT IS MAINTAINED.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY & HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

[HTTP://WWW.DOT.STATE.OH.US/POLICY/POLICIESANDSOPS/POLICIES/220-006\(SP\).PDF](http://www.dot.state.oh.us/policy/policiesandsops/policies/220-006(sp).pdf)

AMENDMENTS TO THE REQUIREMENTS OF THIS DOCUMENT ARE:

XXIV. HEAD PROTECTION (HARD HATS)  
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS.

XXXIV. SAFETY APPAREL AND VEST (HIGH VISIBILITY) ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH-VISIBILITY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES."

WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III APPROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

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GENERAL NOTES

VAN/PUT/  
ALL-30-VAR.

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SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	7	12	13	01/NHS/PV	02/SAF/OT											
<b>EROSION CONTROL</b>																		
1,000						1,000		832	30000	1,000	EACH	EROSION CONTROL						
<b>PAVEMENT</b>																		
870						870		253	02000	870	CY	PAVEMENT REPAIR						
						30		253	02001	30	CY	PAVEMENT REPAIR, AS PER PLAN	15					
						364,899		254	01000	364,899	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5" THICKNESS						
						31,016		407	20000	31,016	GAL	NON-TRACKING TACK COAT						
						9,567		442	00100	9,567	CY	ANTI-SEGREGATION EQUIPMENT						
						15,204		442	10300	15,204	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)						
						1,559		617	10100	1,559	CY	COMPACTED AGGREGATE						
						28.57		618	40600	28.57	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)						
<b>TRAFFIC CONTROL</b>																		
						1,194		621	00100	1,194	EACH	RPM						
						1,194		621	54000	1,194	EACH	RAISED PAVEMENT MARKER REMOVED						
						222		644	00500	222	FT	STOP LINE						
						5,930		644	01510	5,930	FT	DOTTED LINE, 6"						
						33.26		807	14010	33.26	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"						
						14.82		807	14110	14.82	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6"						
						2,247		807	14310	2,247	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12"						
						48.08		850	10010	48.08	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)						
						2,247		850	10130	2,247	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)						
<b>MAINTENANCE OF TRAFFIC</b>																		
						100		614	11110	100	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE						
						26		614	12460	26	EACH	WORK ZONE MARKING SIGN						
						30		614	12484	30	EACH	WORK ZONE INCREASED PENALTIES SIGN						
						5		614	12500	5	EACH	REPLACEMENT SIGN						
						50		614	12600	50	EACH	REPLACEMENT DRUM						
						12		614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6					
						33.79		614	22056	33.79	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT						
						26,566		614	24102	26,566	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT						
						90		808	18700	90	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY						
<b>INCIDENTALS</b>																		
						LS		614	11000	LS		MAINTAINING TRAFFIC						
						LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING						
						LS		624	10000	LS		MOBILIZATION						

GENERAL SUMMARY

VAN / PUT / ALL -30-VAR.

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S.L.M.	DESCRIPTION	SIDE	DISTANCE (D)			621	621	621		807	807	807	807	850	850		644	644	
			MI	FT		EACH	EACH	EACH		MILE	MILE	MILE	FT	MILE	FT		FT	FT	
21.18	to 1.14	U.S.R. 30	EB	7.41	39124.80	493	493			White	Yellow	7.41	7.41	7.41		22.23			
21.18	to 1.14	U.S.R. 30	WB	7.41	39124.80	493	493			7.41	7.41	7.41		22.23					
<b>MEDIAN CROSSOVERS</b>																			
<b>AT GRADE INTERSECTIONS</b>																			
<b>INTERCHANGES</b>																			
CR 185			RAMP G	1000.00		27	14	13		0.19	0.19			560	0.38	560	59	530	
			RAMP H	1081.00		26	13	13		0.27	0.27				0.54			1020	
			RAMP J	865.00		24	13	11		0.24	0.24				0.48			940	
SR 66			RAMP K	956.00		26	14	12		0.18	0.18			570	0.36	570	54	520	
			RAMP L	1115.00		28	14	14		0.21	0.21			555	0.42	555	57	540	
			RAMP M	877.00		24	13	11		0.24	0.24				0.48			960	
LINCOLN HWY.			RAMP N	1350.00		28	12	16		0.31	0.31				0.62			900	
			RAMP R	1307.00		25	14	11		0.17	0.17			562	0.34	562	52	520	
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>						1194	1194			16.63	16.63		33.26	14.82	2,247	48.08	2,247	222	5930

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**TRAFFIC CONTROL SUBSUMMARY**

VAN / PUT /  
ALL -30-VAR.