

**ELECTRONIC TICKETING**

DESCRIPTION:

THIS WORK CONSISTS OF PROVIDING DIGITAL DATA FOR PILOTING DIGITAL INFORMATION TRANSFER FOR MATERIAL WEIGHT TICKET INFORMATION FOR THE FOLLOWING:

- AGGREGATE
- ASPHALT CONCRETE

PROVIDE MATERIAL TICKET INFORMATION IN A DIGITAL FORMAT DIRECTLY RECORDED FROM THE MATERIAL LOADING SOURCE AS DESCRIBED BELOW.

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THIS NOTE IN NO WAY SUPERSEDES ANY OTHER COMMERCIAL REGULATIONS OR ANY OTHER LEGAL REQUIREMENTS REGULATING THE TRANSPORTATION OF COMMERCIAL MATERIALS. THIS DOES NOT PRECLUDE OR DISMISS ANY REQUIREMENT FOR PAPER TICKETS REQUIRED BY OTHER RULES AND REGULATIONS.

REQUIREMENTS:

SEND DIGITAL TICKET INFORMATION TO THE DEPARTMENT'S DIGITAL TICKETING PORTAL AS THE INDIVIDUAL MATERIAL LOADS ARE GENERATED AND SHIPPED TO THE PROJECT. THE DIGITAL MATERIAL TICKET SHALL CONTAIN INFORMATION AS REQUIRED PER THE APPLICABLE MATERIAL SPECIFICATION FOR WEIGHT MEASUREMENT AND OTHER MATERIAL CHARACTERISTICS.

THE DEPARTMENT WILL REJECT ANY LOAD THAT DOES NOT HAVE A CORRESPONDING ETICKET UNLESS THE CAUSE IS BEYOND THE CONTRACTOR'S CONTROL. IN SUCH CIRCUMSTANCES, PAPER TICKETS MAY BE PERMITTED.

SETUP, CALIBRATION, AND DATA INTEGRATION:

SUPPLIERS SHALL COOPERATE WITH THE DEPARTMENT AND THE DEPARTMENT'S ETICKETING VENDOR TO ESTABLISH DIGITAL INFORMATION TRANSFER FROM THE SUPPLIERS TICKETING SYSTEM TO THE DEPARTMENT'S ETICKETING PORTAL. NO EARLIER THAN 14 DAYS AFTER THE PROJECT EXECUTION BUT NOT LATER THAN 30 DAYS PRIOR TO INITIATING WORK, IDENTIFY IN WRITING THE MATERIAL SOURCE READ-OUT WEIGHING SYSTEM THE SUPPLIER UTILIZES.

THE MATERIAL SUPPLIER SHALL COOPERATE WITH ODOT'S ETICKETING PORTAL VENDOR IN THE CREATION OF AN APPLICATION PROGRAMMING INTERFACE (API) TO INTEGRATE MATERIAL SOURCE LOAD READ-OUT DATA WITH THE DEPARTMENT'S ETICKETING PORTAL. THE DEPARTMENT'S ETICKETING PORTAL VENDOR SHALL BE RESPONSIBLE FOR LEADING THE API CREATION. UPON API CREATION, UTILIZE THE API TO PROVIDE DIGITAL MATERIAL SOURCE LOAD READ-OUT DATA FROM THE MATERIAL SOURCE LOAD READ-OUT WEIGHING SYSTEM TO THE DEPARTMENT'S ETICKETING PORTAL.

CONDUCT A TEST OF EACH SUPPLIER'S INTEGRATION WITH THE DEPARTMENT'S ETICKETING PORTAL PRIOR TO SHIPPING MATERIAL TO THE PROJECT. COMPLETE TEST AT LEAST 14 DAYS PRIOR TO SHIPPING MATERIAL UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE TEST MUST INVOLVE AT LEAST FOUR TEST ETICKETS FROM EACH SUPPLIER APPROVED FOR USE ON THE PROJECT FOR MATERIALS TO BE USED ON THE PROJECT. THE TEST ETICKETS MUST ACCURATELY REFLECT THE PROPER NOMENCLATURE AND ACCURACY DEFINED; ALL OTHER CATEGORIES SHALL BE MARKED "TEST". AFTER THE ENGINEER CONFIRMS THE TEST ETICKETS HAVE BEEN ENTERED INTO THE DEPARTMENT'S ETICKET PORTAL, VOID THE TEST ETICKETS WITH THE REASON "SETUP TESTING". IF ANY LOAD READ-OUT WEIGHING SYSTEM CHANGES ARE INTENDED BY THE SUPPLIER AFTER THE CREATION OF THE SUPPLIER SPECIFIC API, COORDINATE WITH THE ODOT TO ENSURE API COMPATABILITY.

ENSURE CONTINUED INTERNET CONNECTIVITY DURING THE API USAGE TO MAINTAIN CONNECTION TO THE DEPARTMENT'S ETICKETING PORTAL DURING MATERIAL PRODUCTION AND DELIVERY TO THE PROJECT. ENSURE DELIVERY OF ETICKET PRIOR TO THE MATERIAL ARRIVING ON THE PROJECT, BUT NOT PRIOR TO THE LOADING OF MATERIAL AT THE SOURCE.

UPON SUCCESSFUL TESTING OF THE DATA INTEGRATION, PHYSICAL MATERIAL TICKETS FOR THE DEPARTMENT WILL NOT BE REQUIRED.

PAYMENT:

FOR INITIAL SETUP OF THE API INTEGRATION, THE MATERIAL VENDORS SHALL ASSUME APPROXIMATELY 16 PERSON HOURS AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE MATERIAL. FOR EXTREME SITUATIONS INVOLVING EXCESSIVE ESTABLISHMENT OF THE API AND DIGITAL INFORMATION TRANSFER, NOTIFY THE ENGINEER PER CMS 104.02.

THE COST ASSOCIATED WITH CREATING AND MAINTAINING AN API AND PROVIDING DIGITAL TICKETING DATA IS INCIDENTAL TO THE COST OF THE ITEM UTILIZING THE MATERIAL BEING PLACED.

**ITEM SPECIAL - VERTICAL CLEARANCE**

AFTER ALL CONSTRUCTION HAS BEEN COMPLETED, A REGISTERED SURVEYOR WILL TAKE VERICAL CLEARANCE MEASUREMENTS AT LOCATIONS INDICATED ON THE APPROVED ODOT FORM (AVAILABLE IN THE DISTRICT 4 STRUCTURES AND PAVEMENT OFFICE). THE FINAL MEASUREMENTS SHALL BE RECORDED ON THE FORM AND SUBMITTED TO THE PROJECT ENGINEER AND THE DISTRICT 4 STRUCTURES AND PAVEMENT ENGINEER. THE RECORD SHALL BEAR THE SEAL OF THE LICENSED SURVEYOR WHO HAS TAKEN THE MEASUREMENTS. THIS WORK SHALL BE PERFORMED AT THE FOLLOWING STRUCTURES: ATB-193 OVER IR-90

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY: SPECIAL - VERTICAL CLEARANCE, 1 EACH

note added

DESIGN AGENCY



DESIGNER  
CMW


REVIEWER  
MAC 10-22-21

PROJECT ID  
114324

SHEET TOTAL  
P.3A | 9

SHEET NUM.							PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	3A	4	5	7	8	9	01/IMS/PV	EXT	TOTAL				
<b>ROADWAY</b>													
84							84	203	10000	84	CY	EXCAVATION	
736							736	209	60200	736	STA	LINEAR GRADING	
	1						1	SPECIAL	69098000	1	EACH	SPECIAL - VERTICAL CLEARANCE	3A
												EROSION CONTROL	
20,447							20,447	659	10000	20,447	SY	SEEDING AND MULCHING	
2.76							2.76	659	20000	2.76	TON	COMMERCIAL FERTILIZER	
4.22							4.22	659	31000	4.22	ACRE	LIME	
110.4							110.4	659	35000	110.4	MGAL	WATER	
							3,000	832	30000	3,000	EACH	EROSION CONTROL	
												DRAINAGE	
4							4	611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
												PAVEMENT	
2,000							2,000	251	01000	2,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
3,000							3,000	252	01500	3,000	FT	FULL DEPTH PAVEMENT SAWING	
500							500	253	01000	500	SY	PAVEMENT REPAIR	
						166,995	166,995	254	01000	166,995	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5")	
84							84	304	20000	84	CY	AGGREGATE BASE	
						8,350	8,350	407	20000	8,350	GAL	NON-TRACKING TACK COAT	
						7,361	7,361	408	10001	7,361	GAL	PRIME COAT, AS PER PLAN	3
						6,869	6,869	441	00100	6,869	CY	ANTI-SEGREGATION EQUIPMENT	
						6,959	6,959	442	10301	6,959	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN	3
						1,023	1,023	617	10101	1,023	CY	COMPACTED AGGREGATE, AS PER PLAN	3
12.6							12.6	618	40600	12.6	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
												TRAFFIC CONTROL	
						544	544	621	00100	544	EACH	RPM	
						488	488	621	54000	488	EACH	RAISED PAVEMENT MARKER REMOVED	
					14.61		14.61	642	00104	14.61	MILE	EDGE LINE, 6", TYPE 1	
					6.3		6.3	642	00204	6.3	MILE	LANE LINE, 6", TYPE 1	
					3,220		3,220	642	00404	3,220	FT	CHANNELIZING LINE, 12", TYPE 1	
					70		70	646	10400	70	FT	STOP LINE	
					4		4	646	20320	4	EACH	WRONG WAY ARROW	
					2,370		2,370	642	01510	2,370	FT	DOTTED LINE, 6", TYPE 1	
												MAINTENANCE OF TRAFFIC	
		350					350	614	11110	350	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		40					40	614	12460	40	EACH	WORK ZONE MARKING SIGN	
		50					50	614	13000	50	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			16				16	614	18601	16	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	5
		11.09					11.09	614	20110	11.09	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
		6.3					6.3	614	20560	6.3	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
		14.61					14.61	614	22110	14.61	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
		6,440					6,440	614	23200	6,440	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
		3,220					3,220	614	23680	3,220	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
		140					140	614	26200	140	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
		70					70	614	26610	70	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
												INCIDENTALS	
							LUMP	614	11000	LS		MAINTAINING TRAFFIC	
							6	619	16010	6	MNTH	FIELD OFFICE, TYPE B	
							LUMP	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
							LUMP	624	10000	LS		MOBILIZATION	
			32				32	808	18700	32	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	

GENERAL SUMMARY

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**CMW**  
 REVIEWER  
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