

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

THE WORK SHALL FOLLOW THE 2019 ODOT CMS FOR ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE, EXCEPT AS MODIFIED HEREIN. THIS WORK IS TO ALSO INCLUDE PLANING CONCRETE PAVMENT ABOVE THE UTILITY REPAIRS AND/OR CONCRETE PATCHES AT VARIOUS LIMITS. THESE AREAS SHALL BE GROUND TO THE SAME ELEVATION AS THE SURROUNDING PLANED SURFACE.

**LAWN RESTORATION**

LAWN AREAS DISTURBED AS A RESULT OF THE PROJECT SHALL BE RESTORED BY THE CONTRACTOR. THIS INCLUDES THE PLACEMENT OF FILL AND TOPSOIL REQUIRED IN AREAS OF DRIVE APRON REMOVAL, WALK REMOVAL, AND CURB REMOVAL. ALL DISTURBED LAWN AREAS SHALL RECEIVE A MINIMUM OF 4" TOPSOIL. TOPSOIL, SEEDING, AND MULCH SHALL CONFORM WITH THE REQUIREMENTS OF ODOT ITEM 659 EXCEPT THE SEED MIX SHALL BE: SEED MIXTURE AT 8 LBS PER 1,000 SF: 30.80% KENTUCKY BLUEGRASS, 14.75% FORTITUTE CREEPING RED FESCUE, 9.85% BROOKLAWN KENTUCKY BLUE, 9.85% PROTEGE GLR PERENNIAL RYEGRASS, 9.85% AMAZING GS PERENNIAL RYEGRASS, 9.85% HOMERUN PERENNIAL RYEGRASS, 9.85% FIESTA 5 PERENNIAL RYEGRASS. THE CITY REQUIRES HYDROSEEDING (NO STRAW MULCH).

PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM WHICH NECESSITATED THE LAWN RESTORATION.

**CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

**ITEM 611 - CATCH BASIN ADJUSTED TO GRADE**

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

611, CATCH BASIN ADJUSTED TO GRADE, 80 EACH

**ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE**

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

611, CATCH BASIN ADJUSTED TO GRADE, 15 EACH

**ITEM SPECIAL - MISCELLANEOUS METAL**

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET ITEM 611 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

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

SPECIAL, MISCELLANEOUS METAL 600 POUNDS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9PM AND 7AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

**GREEN COLORED PAVEMENT FOR BIKE LANES**

IN ADDITION TO THE REQUIREMENTS OF C&MS 641 AND 740; THE FOLLOWING REQUIREMENTS SHALL APPLY:

1. THE DAYTIME AND NIGHTTIME CHROMATICITY COORDINATE FOR THE COLOR USED FOR GREEN COLORED PAVEMENT SHALL BE AS FOLLOWS:

CHROMATICITY COORDINATES (CORNER POINTS)

	1		2		3		4	
	X	Y	X	Y	X	Y	X	Y
DAYTIME	0.230	0.754	0.266	0.460	0.367	0.480	0.444	0.583

2. THE DAYTIME LUMINANCE FACTOR (Y) SHALL BE AT LEAST 7, BUT NO MORE THAN 35.
3. GREEN COLORED PAVEMENT SHALL BE UNIFORMLY NON-RETROREFLECTIVE.

PAYMENT FOR "ITEM 644, GREEN COLORED PAVEMENT FOR BIKE LANES" WILL BE AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

DESIGN AGENCY



DESIGNER  
MJP

REVIEWER  
MAC 11-17-21

PROJECT ID  
102742

SHEET TOTAL  
P.4 | 18

SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	6	9	10	11	16	17	18	01/S>2/PV/ AKRO	02/S>2/OT/ AKRO							
<b>ROADWAY</b>																		
				5,863	4,029	1,626					11,518	202	30000	11,518	SF	WALK REMOVED		
140				421							140	203	10000	140	CY	EXCAVATION (FOR PAVEMENT REPAIR)		
				6							421	203	10000	421	CY	EXCAVATION (FOR WALK OR CURB RAMP INSTALLATION)		
				206	184	177					6	203	40000	6	CY	BORROW		
				5,605	3,739	1,433					567	608	10000	567	SF	4" CONCRETE WALK		
											10,777	608	52000	10,777	SF	CURB RAMP		
					8	16					24	608	53020	24	SF	DETECTABLE WARNING		
42											42	623	39501	42	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	3	
											3	625	31600	3	EACH	PULL BOX, MISC.: ADJUSTED TO GRADE	8	
<b>EROSION CONTROL</b>																		
				53	99							152	659	10000	152	SY	SEEDING AND MULCHING	
											3,000	832	30000	3,000	EACH	EROSION CONTROL		
<b>DRAINAGE</b>																		
	80										80	611	98630	80	EACH	CATCH BASIN ADJUSTED TO GRADE		
	15										15	611	98634	15	EACH	CATCH BASIN RECONSTRUCTED TO GRADE		
					2	2					4	611	99654	4	EACH	MANHOLE ADJUSTED TO GRADE		
145											145	611	99655	145	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	3	
	600										600	SPECIAL	61199820	600	LB	MISCELLANEOUS METAL	4	
<b>PAVEMENT</b>																		
2,500											2,500	251	01000	2,500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)		
4,800											4,800	252	01500	4,800	FT	FULL DEPTH PAVEMENT SAWING		
300											300	253	01000	300	SY	PAVEMENT REPAIR		
							41,782	41,897			83,679	254	01000	83,679	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 2")		
500											500	255	10500	500	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS RRCM		
140											140	304	20000	140	CY	AGGREGATE BASE		
							5,433	5,447			10,880	407	20000	10,880	GAL	NON-TRACKING TACK COAT		
							836	829			1,665	424	10001	1,665	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN	1	
							95	120			215	441	50000	215	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22		
							1,451	1,455			2,906	441	50200	2,906	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)		
											18	609	12000	18	FT	COMBINATION CURB AND GUTTER, TYPE 2		
											166	609	26000	166	FT	CURB, TYPE 6		
<b>WATER WORK</b>																		
											7	638	10800	7	EACH	VALVE BOX ADJUSTED TO GRADE		
90											90	638	10801	90	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	3	
<b>TRAFFIC CONTROL</b>																		
											3.67	644	00104	3.67	MILE	EDGE LINE, 6"		
											0.66	644	00204	0.66	MILE	LANE LINE, 6"		
											3.58	644	00300	3.58	MILE	CENTER LINE		
											10,538	644	00400	10,538	FT	CHANNELIZING LINE, 8"		
											34	644	00404	34	FT	CHANNELIZING LINE, 12"		
											364	644	00500	364	FT	STOP LINE		
											2,365	644	00600	2,365	FT	CROSSWALK LINE		
											268	644	00700	268	FT	TRANSVERSE/DIAGONAL LINE		
											339	644	00900	339	SF	ISLAND MARKING		
											2	644	01110	2	EACH	SCHOOL SYMBOL MARKING, 96"		
											112	644	01300	112	EACH	LANE ARROW		
											590	644	01510	590	FT	DOTTED LINE, 6"		
											49	644	01630	49	EACH	BIKE LANE SYMBOL MARKING		
											3,384	644	60000	3,384	SF	GREEN COLORED PAVEMENT FOR BIKE LANES		
<b>MAINTENANCE OF TRAFFIC</b>																		
											350	614	11111	350	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE, AS PER PLAN	5	
											40	614	12460	40	EACH	WORK ZONE MARKING SIGN		
											20	614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC		
											12	614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	5	
											8.52	614	20110	8.52	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT		

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
MJP

REVIEWER  
MAC 11-17-21

PROJECT ID  
102742

SHEET TOTAL  
P.7 18



SUM-93/162-9.10/7.26

MODEL: Sheet\_PAPER\_SIZE: 17x11 (p.d.) DATE: 3/9/2022 TIME: 7:52:14 AM USER: mpalagan  
 P:\work\pwr\2022\102742\100-Engineering\Roadway\Sheets\102742\_CS002.dgn

EDGE LINE

GENERAL SPEC: 640  
 MATERIAL TYPE: 644

CTY	ROUTE	TRUE LOG	FROM	TRUE LOG	TO	WHITE EDGE LINE, 6"			YELLOW EDGE LINE, 6"			COMMENTS
						TOTAL	HIGHWAY	RAMP	TOTAL	HIGHWAY	RAMP	
SUM	93	9.10	SR 764	9.83	LAKEVIEW AVE	1.46	1.46		0.29	0.29		
SUM	162	7.26	STORER AVE	8.36	EXCHANGE ST	1.92	1.92					INCLUDES NEW ROAD DIET QTYS
TOTAL						3.38	3.38		0.29	0.29		

LANE LINE

CTY	ROUTE	TRUE LOG	FROM	TRUE LOG	TO	TOTAL MILES	6" LANE LINE		COMMENTS
							DASHED	SOLID	
SUM	93	9.10	SR 764	9.43	RAMP TO MARYLAND AVE	0.66			
TOTAL						0.66			

CENTER LINE

CTY	ROUTE	TRUE LOG	FROM	TRUE LOG	TO	TOTAL MILES	EQUIVALENT SOLID LINE		COMMENTS
							SOLID	DASHED	
SUM	93	9.10	SR 764	9.13	BEGIN DIVIDED HIGHWAY	0.03	0.08		
SUM	93	9.42	END DIVIDED HIGHWAY	11.40	SR 261	1.98	3.80		INCLUDES NEW ROAD DIET QTYS
SUM	162	7.26	STORER AVE	8.36	EXCHANGE ST	1.10	2.69		INCLUDES NEW ROAD DIET QTYS
SUM	162	8.36	EXCHANGE ST	8.83	GLENDALE AVE	0.47	0.84		
TOTAL						3.58	7.41		

AUXILIARY

CTY	ROUTE LOCATION	TRUE LOG	CHANNEL LINE, 8"	YIELD LINE	STOP LINE	CROSS WALK LINE, 12"	TRANSVERSE DIAGONAL LINES		ISLAND MARKING	SYMBOL MARKINGS			LANE ARROWS			WORD ON PVMT ONLY		DOTTED LINES, 6"	COMMENTS		
							WHITE	YELLOW		BIKE	GREEN PAVT	SCHOOL 96"	TURN LEFT	TURN RIGHT	THRU	BIKE LANE	REDUCT.			72"	96"
																				FT	FT
SUM	SR 93 @ SR 764	9.100	95																		
SUM	SR 93 @ RAMP GORES	9.13-9.70	435																370		
SUM	SR 93 @ BIKE LANES	9.46-11.40	7005							11											
SUM	SR 93 @ I-76	10.700	100					88	113				4								
SUM	SR 93 @ THORNTON ST	11.040			32																
SUM	SR 93 @ EAST AVE	11.170	80		11	132		40	113				3						INCL. NEW ROAD DIET QTYS		
SUM	SR 93 @ BIKE LANES	11.17-11.40	2480	34		132			56.5	7	48	2	6						INCL. NEW ROAD DIET QTYS		
SUM	SR 93 @ SR 261	11.400	110		27	88							2						INCL. NEW ROAD DIET QTYS		
SUM	SR 162 @ ROAD DIET	7.26-8.36			294	1558	100	40		31	3336		42	4				60	INCL. NEW ROAD DIET QTYS		
SUM	SR 162 @ STORER AVE	7.260																60			
SUM	SR 162 @ EAST AVE	7.640																			
SUM	SR 162 @ PORTAGE PATH	8.050																100			
SUM	SR 162 @ RHODES AVE	8.230																			
SUM	SR 162 @ CEDAR ST	8.280							56.5												
SUM	SR 162 @ EXCHANGE ST	8.360																			
SUM	SR 162 @ GLENDALE AVE	8.830	233			455															
TOTAL			10538	34	364	2365	100	168	339	49	3384	2	59	4				49	590		

PAVEMENT MARKING SUBSUMMARY

DESIGN AGENCY



DESIGNER MJP

REVIEWER MAC

PROJECT ID 102742

SHEET 18

TOTAL 18