



City of Ann Arbor

Change Order Details

2023-008 Huron River Dr Culvert

Description	Huron River Dr @ Bird Rd, Culvert Replacement
Prime Contractor	E.T. MacKenzie Company
Change Order	6
Status	Pending
Date Created	08/28/2024
Type	Adjustment
Summary	Change Order #6
Change Order Description	Balancing Qty
Awarded Project Amount	\$574,476.00
Authorized Project Amount	\$574,476.00
Change Order Amount	\$75,765.62
Revised Project Amount	\$650,241.62

Increases/Decreases

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
Section: 5 - Storm										
0030	1020.7	Ft	\$20.000	60.000	\$1,200.00	-53.000	-\$1,060.00	7.000	\$140.00	
DS_Erosion Control, Check Dam, Permanent										
Reason: Qty Reduction										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	60.000	\$1,200.00	-53.000	-\$1,060.00	7.000	\$140.00
0040	1022.0	Ft	\$3.500	60.000	\$210.00	-60.000	-\$210.00	0.000	\$0.00	
Erosion Control, Silt Fence										
Reason: Not Used										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	60.000	\$210.00	-60.000	-\$210.00	0.000	\$0.00
0050	1030.0	Ft	\$7.000	250.000	\$1,750.00	-250.000	-\$1,750.00	0.000	\$0.00	
Tree Protection Fence										
Reason: Not used										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	250.000	\$1,750.00	-250.000	-\$1,750.00	0.000	\$0.00
0070	1041.0	LS	\$505.000	1.000	\$505.00	0.000	-\$505.00	1.000	\$0.00	
Traffic Regulator Control										
Reason: No Flaggers Used										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	1.000	\$505.00	0.000	-\$505.00	1.000	\$0.00
0080	1050.0	Sft	\$8.000	217.000	\$1,736.00	10.000	\$80.00	227.000	\$1,816.00	
Sign, Type B, Temp, Prismatic, Furn & Oper										
Reason: Qty Used										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	217.000	\$1,736.00	10.000	\$80.00	227.000	\$1,816.00
0090	1051.0	Sft	\$17.000	98.000	\$1,666.00	-14.000	-\$238.00	84.000	\$1,428.00	
Sign, Type B, Temp, Prismatic, Special, Furn & Oper										
Reason: Qty Used										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised	
				Quantity	Amount	Quantity	Amount	Quantity	Amount
				Funding Details					
				San	0.000	\$0.00	0.000	\$0.00	0.000
				Storm	98.000	\$1,666.00	-14.000	-\$238.00	84.000
0180	2020.0	Syd	\$13.000	290.000	\$3,770.00	19.500	\$253.50	309.500	\$4,023.50
HMA, Any Thickness, Rem									
Reason: Existing Conditions									
				Funding Details					
				San	0.000	\$0.00	0.000	\$0.00	0.000
				Storm	290.000	\$3,770.00	19.500	\$253.50	309.500
0190	2023.71	Ft	\$30.000	177.000	\$5,310.00	-177.000	-\$5,310.00	0.000	\$0.00
DS_Lap Joint									
Reason: Not used									
				Funding Details					
				San	0.000	\$0.00	0.000	\$0.00	0.000
				Storm	177.000	\$5,310.00	-177.000	-\$5,310.00	0.000
0200	3001.7	Syd	\$5.000	1,785.000	\$8,925.00	-43.500	-\$217.50	1,741.500	\$8,707.50
DS_Machine Grading									
Reason: Qty Used									

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	1,785.000	\$8,925.00	-43.500	-\$217.50	1,741.500	\$8,707.50
0230	4000.01	Ft	\$260.000	5.000	\$1,300.00	-5.000	-\$1,300.00	0.000	\$0.00	
8 In., SDR 26 PVC Sanitary Sewer, SD-TD-2										
Reason: Ex Sewer Concrete Encased, Culvert was excavated under San Sewer										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	5.000	\$1,300.00	-5.000	-\$1,300.00	0.000	\$0.00
0240	4000.04	Ft	\$620.000	14.000	\$8,680.00	3.500	\$2,170.00	17.500	\$10,850.00	
15 In., SDR 26 PVC Sanitary Sewer, SD-TD-2										
Reason: Additional required										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	14.000	\$8,680.00	3.500	\$2,170.00	17.500	\$10,850.00
0260	4080.01	Ft	\$47.000	5.000	\$235.00	-5.000	-\$235.00	0.000	\$0.00	
Sanitary Sewer Pipe, 8 In. Dia., Rem										
Reason: Qty Used										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	5.000	\$235.00	-5.000	-\$235.00	0.000	\$0.00
0270	4080.04000000000004	Ft	\$47.000	14.000	\$658.00	3.500	\$164.50	17.500	\$822.50	
Sanitary Sewer Pipe, 15 In. Dia., Rem										
Reason: Additional required										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	14.000	\$658.00	3.500	\$164.50	17.500	\$822.50
0310	6000.1	Ft	\$280.000	176.000	\$49,280.00	0.500	\$140.00	176.500	\$49,420.00	
24 In.x38 In., CL IV RCP Storm Sewer, SD-TD-1										
Reason: Additional required										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	176.000	\$49,280.00	0.500	\$140.00	176.500	\$49,420.00
0330	6041.0	Syd	\$115.000	255.000	\$29,325.00	206.600	\$23,759.00	461.600	\$53,084.00	
Riprap, Plain										
Reason: Due to poor soil condition additional Rip Rap was used to stabilize water channel										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	255.000	\$29,325.00	206.600	\$23,759.00	461.600	\$53,084.00
0450	7130.01	Ea	\$13,000.000	2.000	\$26,000.00	1.000	\$13,000.00	3.000	\$39,000.00	
Temporary Water Main Line Stop, 8 In. or less										
Reason: Used since #2 Temp Line Stop Jammed										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	2.000	\$26,000.00	1.000	\$13,000.00	3.000	\$39,000.00
0460	7131.0	Ea	\$605.000	4.000	\$2,420.00	10.000	\$6,050.00	14.000	\$8,470.00	
Temporary Water Main Line Stop, Additional Rental Day										
Reason: Additional days use of Line-Stops										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	4.000	\$2,420.00	10.000	\$6,050.00	14.000	\$8,470.00
0480	8010.0300000000001	Syd	\$22.000	328.000	\$7,216.00	76.000	\$1,672.00	404.000	\$8,888.00	
Aggregate Base, 8 In., 21AA, CIP										
Reason: Additional Qty Used										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	328.000	\$7,216.00	76.000	\$1,672.00	404.000	\$8,888.00
0490	8020.01	Syd	\$20.000	63.000	\$1,260.00	-63.000	-\$1,260.00	0.000	\$0.00	
Aggregate Surface Course, 8 In., 23A, CIP										
Reason: Not Used										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	63.000	\$1,260.00	-63.000	-\$1,260.00	0.000	\$0.00
0500	8041.01	Ton	\$205.000	12.000	\$2,460.00	-4.000	-\$820.00	8.000	\$1,640.00	
Aggregate Shoulder, CI II, 23A										
Reason: Qty Reduced										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	12.000	\$2,460.00	-4.000	-\$820.00	8.000	\$1,640.00
0520	8070.150000000001	Ton	\$350.000	53.000	\$18,550.00	23.700	\$8,295.00	76.700	\$26,845.00	
HMA, 4EML										
Reason: Existing Conditions required larger patches at 6" thickness, Remove 5EML										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	53.000	\$18,550.00	23.700	\$8,295.00	76.700	\$26,845.00
0530	8070.1900000000005	Ton	\$350.000	31.000	\$10,850.00	-31.000	-\$10,850.00	0.000	\$0.00	
HMA, 5EML										
Reason: Consolidate to one mix design										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	31.000	\$10,850.00	-31.000	-\$10,850.00	0.000	\$0.00
0540	8210.01	Ft	\$7.000	224.000	\$1,568.00	-224.000	-\$1,568.00	0.000	\$0.00	
Pavt Mrkg, Sprayable Thermopl, 4 In., White										
Reason: Used 6" white line to match existing										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	224.000	\$1,568.00	-224.000	-\$1,568.00	0.000	\$0.00
0550	8210.02	Ft	\$7.000	250.000	\$1,750.00	114.000	\$798.00	364.000	\$2,548.00	
Pavt Mrkg, Sprayable Thermopl, 4 In., Yellow										
Reason: Larger Patches required more pav't marking										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised		
				Quantity	Amount	Quantity	Amount	Quantity	Amount	
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	250.000	\$1,750.00	114.000	\$798.00	364.000	\$2,548.00
0570	10060.7	Syd	\$15.000	1,010.000	\$15,150.00	-1,010.000	-\$15,150.00	0.000	\$0.00	
DS_Turf Restoration, Wetland Edge Seed Mix										
Reason: Not Used										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	1,010.000	\$15,150.00	-1,010.000	-\$15,150.00	0.000	\$0.00
0580	10060.71	Syd	\$19.000	105.000	\$1,995.00	701.700	\$13,332.30	806.700	\$15,327.30	
DS_Turf Restoration, MDOT THV Seed Mix										
Reason: Restored Park Area										
				Funding Details						
				San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
				Storm	105.000	\$1,995.00	701.700	\$13,332.30	806.700	\$15,327.30
0590	10090.0	Syd	\$3.000	1,115.000	\$3,345.00	-308.300	-\$924.90	806.700	\$2,420.10	
Mulch Blanket										
Reason: Qty Used										

Line Number	Item ID	Unit	Unit Price	Current		Change		Revised	
				Quantity	Amount	Quantity	Amount	Quantity	Amount
			Funding Details						
			San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
			Storm	1,115.000	\$3,345.00	-308.300	-\$924.90	806.700	\$2,420.10
0600	11000.7	Cyd	\$655.000	5.000	\$3,275.00	2.000	\$1,310.00	7.000	\$4,585.00
DS_Concrete Cradle									
Reason: Additional required									
			Funding Details						
			San	0.000	\$0.00	0.000	\$0.00	0.000	\$0.00
			Storm	5.000	\$3,275.00	2.000	\$1,310.00	7.000	\$4,585.00
28 items			Totals	\$210,389.00		\$29,625.90		\$240,014.90	

New Items

Line Number	Item ID	Unit	Quantity	Unit Price	Extension
Section: 5 - Storm					
0680	8210.04	Ft	422.000	\$10.500	\$4,431.00
unattached					
Pavt Mrkg, Sprayable Thermopl, 6 In., White					
Reason: Match existing marking width					

Line Number	Item ID	Unit	Quantity	Unit Price	Extension
		Funding Details			
		Storm	422.000	\$10.500	\$4,431.00
0730	910	DLR	8,235.520	\$1.000	\$8,235.52
unattached Additional Work - Water					
Reason: Idle Time while Water Tap attempted to remove Temp Line Stop #2					
		Funding Details			
		Storm	8,235.520	\$1.000	\$8,235.52
0740	911	DLR	8,278.200	\$1.000	\$8,278.20
unattached Additional Work- Emergency Water					
Reason: Run Temp wtr service lines to Maintain service to Barton Pump Station					
		Funding Details			
		Storm	8,278.200	\$1.000	\$8,278.20
Section: 8 - San					
0690	8060.0	Ton	5.500	\$350.000	\$1,925.00
unattached Hand Patching					
		Funding Details			
		San	5.500	\$350.000	\$1,925.00
0700	2020.0	Syd	163.000	\$13.000	\$2,119.00
unattached					

Line Number	Item ID	Unit	Quantity	Unit Price	Extension
HMA, Any Thickness, Rem					
Reason: Change Funding Source, Include San Spot Repair					
			Funding Details		
		San	163.000	\$13.000	\$2,119.00
0710	8010.0300000000001	Syd	179.000	\$22.000	\$3,938.00
unattached					
Aggregate Base, 8 In., 21AA, CIP					
Reason: Change Funding Source, Include San Spot Repair					
			Funding Details		
		San	179.000	\$22.000	\$3,938.00
0720	8070.14	Ton	49.180	\$350.000	\$17,213.00
unattached					
HMA, 4EL					
Reason: Change Funding Source, Include San Spot Repair					
			Funding Details		
		San	49.180	\$350.000	\$17,213.00
7 items					Total: \$46,139.72

Funding Summary

Fund Package	Original Amount	Authorized Amount	Pending Change	Revised Amount
Storm	\$574,476.00	\$563,289.00	\$50,570.62	\$613,859.62
San	\$0.00	\$11,187.00	\$25,195.00	\$36,382.00
2 fund packages	\$574,476.00	\$574,476.00	\$75,765.62	\$650,241.62

If authorized, the contractor agrees to do the work outlined above under the direction of the Engineer, and to accept as payment in full the basis of payment as indicated. Prime Contractor, you are authorized and instructed as the contractor to do the work described herein in accordance with the terms of your contract.

Signed by:

Michael Marks

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Prime Contractor: _____

Date: 11/22/2024

Michael Marks, President, E.T. MacKenzie Co.

Project Engineer or Project Manager: _____

Date: 11/22/2024

Nicholas Bayley, P.E., Project Manager

City Engineer: _____

Date: _____

Nicholas Hutchinson, P.E., City Engineer

Public Services Area Administrator : _____

Date: _____

Sue McCormick, Interim Public Services Administrator

City Administrator : _____

Date: _____

Milton Dohoney, City Administrator

City Attorney : _____

Date: _____

Atleen Kaur, City Attorney