



**Missouri Department of Transportation
Contractor's Pay Estimate Summary**

Report Generated on July 19, 2023

Pay Estimate Created Date: July 17, 2023

Progress Estimate Number 13	Contract ID 221021-F04 Prime Contractor Reinhold Electric, Inc.	Pay Period Start July 1, 2023 Pay Period End July 15, 2023	Original Contract Amount \$1,387,725.00 Net Change Order Amount \$78,660.00 Current Contract Amount \$1,466,385.00
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Approval Date		By User
July 17, 2023	Generated and Approved (and should be considered Draft) at the Project Office Level by	norton1
July 17, 2023	Reviewed and Approved (and should be considered Draft) at the Resident Engineer Level by	HELLET
July 18, 2023	Reviewed and Approved at the Central Office Controllers Office Level by	ramses1

Original Completion Date	Current Completion Date	Actual Completion Date	% of Current Contract Amount Complete
December 31, 2023	December 31, 2023		29.70%

Contract Informational Dates			Milestones
Date Description	Original Completion Date	Current Completion Date	No Milestones Exist for Contract
Acceptance Date			
Awarded Date	November 2, 2022	November 2, 2022	
Letting Date	October 21, 2022	October 21, 2022	
Notice to Proceed Date	January 2, 2023	January 2, 2023	
Open to Traffic Date			
Work Began Date			

Contract Total Pay For Estimate No. 13

	This Estimate	Previous	To Date
221021-F04			
Total Posted Items Pay	\$34,230.40	\$401,233.40	\$435,463.80
Gross Item Adjustments	(\$1,522.40)	(\$250.00)	(\$1,772.40)
Incentive	\$0.00	\$0.00	\$0.00
Disincentive	\$0.00	\$0.00	\$0.00
Liquidated Damage	\$0.00	\$0.00	\$0.00
Other Contract Adjustments	\$0.00	\$89.24	\$89.24
Contract Total Payable This Estimate:	\$32,708.00	\$401,072.64	\$433,780.64

Items Paid This Estimate Period

Project Number	Line Number	Item Code	Item Description	Unit	Unit Price	Current Installed Qty	Current Installed Amount
J6Q3386E	0090	9029902	MISC.INSTALL AND CONFIGURE VIDEO DETECTION CAMERA	EA	\$640.000	4	\$2,560.00
	0200	9109902	MISC.ADVANCED DIAGNOSTICS	EA	\$180.000	61	\$10,980.00
	0240	9109902	MISC.F&I ITS PULLBOX CLASS 1	EA	\$1,740.000	1	\$1,740.00
	0570	9109902	MISC.REMOVE AND REPLACE UPS BATTERY	EA	\$120.000	8	\$960.00
	0580	9109902	MISC.REMOVE CAMERA POLE	EA	\$750.000	1	\$750.00
	0670	9109902	MISC.REMOVE SOLAR POWER SYSTEM	EA	\$940.000	1	\$940.00
	0740	9109902	MISC.REMOVE WIRELESS COMMUNICATION EQUIPMENT	EA	\$250.000	2	\$500.00
	0780	9109902	MISC.TROUBLESHOOTING	EA	\$240.000	1	\$240.00
	0950	9109903	MISC.F&I FIBER OPTIC CABLE, 24-STRAND SINGLE MODE	LF	\$3.400	2,646	\$8,996.40
	0970	9109903	MISC.F&I TRACE WIRE	LF	\$1.800	875	\$1,575.00
	1020	9109902	MISC.PM CCTV CAMERA, ASSEMBLY, POLE, & FIELD CABINET	EA	\$390.000	2	\$780.00
	1030	9109902	MISC.PM COMMUNICATION LINK AND ASSEMBLY	EA	\$149.000	21	\$3,129.00
	1040	9109902	MISC.PM COMMUNICATION NODE FIELD CABINET	EA	\$430.000	1	\$430.00
	1060	9109902	MISC.PM DMS, ASSEMBLY, POLE, FOUNDATION & FIELD CABINET	EA	\$440.000	1	\$440.00
1090	9109902	MISC.PM UNINTERRUPTIBLE POWER SUPPLY (UPS) FOR NODE CABINETS	EA	\$210.000	1	\$210.00	
Project J6Q3386E - Total							\$34,230.40



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Project Number	Line Number	Item Code	Item Description	Unit	Unit Price	Current Installed Qty	Current Installed Amount
Overall - Total							\$34,230.40

Contract Adjustments This Estimate

No Contract Adjustments Exist on Contract

Line Item Adjustments This Estimate

Project Number	Line No.	Item Description	Adjustment Type	Other Item Adjustment Type	Comments	Adjustment Quantity	Line Item Adjustment Unit Price	Adjustment amount
J6Q3386E	0740	MISC.	Overrun			-2	\$250.00	(\$500.00)
	0970	MISC.	Overrun			-568	\$1.80	(\$1,022.40)
Total								(\$1,522.40)



**Missouri Department of Transportation
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Project Details**

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Contract Project Information

Project Number	Federal Proj. Number	Project Description	Route	County	Location of Work
J6Q3386E	FAS S502(98)	ITS improvements	Various	ST LOUIS	throughout the St. Louis District

Totals by Job Numbers

Job Number	Totals by Job Numbers			
	This Estimate	Previous	To Date	
J6Q3386E	Posted Item Pay	\$34,230.40	\$401,233.40	\$435,463.80
	Gross Item Adjustments	(\$1,522.40)	(\$250.00)	(\$1,772.40)
	Gross Item Pay	\$32,708.00	\$400,983.40	\$433,691.40
	Incentive	\$0.00	\$0.00	\$0.00
	Disincentive	\$0.00	\$0.00	\$0.00
	Liquidated Damages	\$0.00	\$0.00	\$0.00
	Other Contract Adjustments	\$0.00	\$89.24	\$89.24



Missouri Department of Transportation Contractor's Pay Estimate Summary Exceptions

Report Generated on July 19, 2023

Exceptions (Discrepancies) This Estimate Period

Exceptions / Discrepancies	Explanation	Entered By	Status
Estimate Exception Type: Item Overrun: Contract 221021-F04, Contract Project J6Q3386E, Project Item Line Number 0740, Contract Line Item Number 0740, Item 9109902, Minor Item.	A change order is being worked on to address this issue.	norton1	Acknowledged
Estimate Exception Type: Item Overrun: Contract 221021-F04, Contract Project J6Q3386E, Project Item Line Number 0970, Contract Line Item Number 0970, Item 9109903, Minor Item.	A change order is being worked on to address this issue.	norton1	Acknowledged



**Missouri Department of Transportation
Contractor's Pay Estimate Summary
Contract Line Items and Total Paid for All Estimates**

Report Generated on July 19, 2023

Total Paid / All Items / All Estimates (Including this Estimate)

Note: Posted Quantities and Values are based on Report Generated date and can differ from the posted amount at the time the Estimate was Generated.

Contract Nm.CONTRACT	Project No.	Category	Line No.	Item Code	Description	Bid Quantity	Net Change Order	Total Current Quantity	Unit	Total Posted Approved Qty	Unit Price	Total Value POSTED To Date (See report generated date)
221021-F04	J6Q3386E	0001	0010	6123000A	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	3.00	0.00	3.00	EA	3.00	\$1,800.00	\$5,400.00
		0001	0020	6169901	MISC.TEMPORARY TRAFFIC CONTROL (LUMP SUM)	1.00	0.00	1.00	LS	0.00	\$18,000.00	\$0.00
		0001	0030	6169902	MISC.NTCIP COMPLIANT CHANGEABLE MESSAGE SIGN (CONTRACTOR FURNISHED & RETAINED)	3.00	0.00	3.00	EA	0.00	\$500.00	\$0.00
		0001	0040	6181000	MOBILIZATION	1.00	0.00	1.00	LS	0.00	\$38,000.00	\$0.00
		0050	0050	9028308	CABLE, 16 AWG 2 CONDUCTOR	500.00	0.00	500.00	LF	0.00	\$2.00	\$0.00
		0050	0060	9028309	CABLE, 16 AWG 3 CONDUCTOR	500.00	0.00	500.00	LF	0.00	\$2.00	\$0.00
		0050	0070	9028310	CABLE, 16 AWG 5 CONDUCTOR	500.00	0.00	500.00	LF	0.00	\$2.00	\$0.00
		0050	0080	9029902	MISC.INSTALL AND CONFIGURE AUDIBLE PEDESTRIAN SYSTEM	10.00	0.00	10.00	EA	0.00	\$980.00	\$0.00
		0050	0090	9029902	MISC.INSTALL AND CONFIGURE VIDEO DETECTION CAMERA	10.00	30.00	40.00	EA	8.00	\$640.00	\$5,120.00
		0050	0100	9029902	MISC.REMOVAL OF AUDIBLE PEDESTRIAN SYSTEM	10.00	0.00	10.00	EA	0.00	\$80.00	\$0.00
		0050	0110	9029902	MISC.REMOVAL OF VIDEO DETECTION CAMERA	40.00	0.00	40.00	EA	8.00	\$350.00	\$2,800.00
		0050	0120	9029903	MISC.CABLE, 18 AWG 4 CONDUCTOR	500.00	0.00	500.00	LF	0.00	\$2.25	\$0.00
		0050	0130	9103700	CCTV CAMERA ASSEMBLY, INSTALLED	30.00	0.00	30.00	EA	22.00	\$800.00	\$17,600.00
		0050	0140	9105200	CONDUIT, 2 IN., RIGID, IN TRENCH	250.00	0.00	250.00	LF	50.00	\$12.00	\$600.00
		0050	0150	9105201	CONDUIT, 3 IN., RIGID, IN TRENCH	100.00	0.00	100.00	LF	0.00	\$14.00	\$0.00
		0050	0160	9105202	CONDUIT, 4 IN., RIGID, IN TRENCH	100.00	0.00	100.00	LF	0.00	\$15.00	\$0.00
		0050	0170	9107201	CONDUIT, 3 IN., RIGID, PUSHED	50.00	0.00	50.00	LF	0.00	\$24.00	\$0.00
		0050	0180	9107202	CONDUIT, 4 IN., RIGID, PUSHED	50.00	0.00	50.00	LF	0.00	\$33.00	\$0.00
		0050	0190	9108352	FIBER OPTIC CABLE, 24-STRAND, 18 SINGLE MODE, 6 MULTIMODE	500.00	0.00	500.00	LF	0.00	\$3.50	\$0.00
		0050	0200	9109902	MISC.ADVANCED DIAGNOSTICS	200.00	250.00	450.00	EA	352.00	\$180.00	\$63,360.00
		0050	0210	9109902	MISC.F&I CAMERA POLE (60FT) AND LOWERING SYSTEM	1.00	0.00	1.00	EA	0.00	\$68,000.00	\$0.00
		0050	0220	9109902	MISC.F&I FIBER OPTIC FUSION SPLICE, MULTI MODE	50.00	0.00	50.00	EA	0.00	\$30.00	\$0.00
		0050	0230	9109902	MISC.F&I FIBER OPTIC FUSION SPLICE, SINGLE MODE	1,250.00	0.00	1,250.00	EA	162.00	\$14.00	\$2,268.00
		0050	0240	9109902	MISC.F&I ITS PULLBOX CLASS 1	2.00	0.00	2.00	EA	1.00	\$1,740.00	\$1,740.00
		0050	0250	9109902	MISC.F&I ITS PULLBOX CLASS 2 WITH CONCRETE PAD	2.00	0.00	2.00	EA	0.00	\$2,000.00	\$0.00
		0050	0260	9109902	MISC.F&I ITS PULLBOX CLASS 5 WITH CONCRETE PAD	2.00	0.00	2.00	EA	2.00	\$2,200.00	\$4,400.00
		0050	0270	9109902	MISC.F&I NON-INTRUSIVE VEHICLE DETECTOR POLE	5.00	0.00	5.00	EA	0.00	\$1,800.00	\$0.00
		0050	0280	9109902	MISC.F&I TYPE 1 ITS CABINET	1.00	0.00	1.00	EA	0.00	\$14,000.00	\$0.00
		0050	0290	9109902	MISC.F&I TYPE 2 ITS CABINET	1.00	0.00	1.00	EA	0.00	\$6,800.00	\$0.00
		0050	0300	9109902	MISC.F&I TYPE 5 ITS CABINET	1.00	0.00	1.00	EA	0.00	\$2,400.00	\$0.00
		0050	0310	9109902	MISC.F&I TYPE 7 ITS CABINET	1.00	0.00	1.00	EA	1.00	\$4,400.00	\$4,400.00
		0050	0320	9109902	MISC.FIBER OPTIC SPLICE ENCLOSURE	6.00	0.00	6.00	EA	2.00	\$900.00	\$1,800.00
		0050	0330	9109902	MISC.FIBER OPTIC TERMINATION	150.00	0.00	150.00	EA	8.00	\$30.00	\$240.00
		0050	0340	9109902	MISC.INSTALL IN-PAVEMENT WIRELESS SENSORS	50.00	0.00	50.00	EA	0.00	\$50.00	\$0.00
		0050	0350	9109902	MISC.INSTALL NON-INTRUSIVE ACCESS POINT & ASSEMBLY	5.00	0.00	5.00	EA	0.00	\$320.00	\$0.00
		0050	0360	9109902	MISC.INSTALL NON-INTRUSIVE VEHICLE DETECTOR ASSEMBLY	15.00	0.00	15.00	EA	8.00	\$579.00	\$4,632.00
		0050	0370	9109902	MISC.INSTALL NON-INTRUSIVE WIRELESS REPEATER	5.00	0.00	5.00	EA	0.00	\$230.00	\$0.00
		0050	0380	9109902	MISC.INSTALL SALVAGED CAMERA POLE	1.00	0.00	1.00	EA	1.00	\$1,280.00	\$1,280.00
		0050	0390	9109902	MISC.INSTALL SALVAGED FIELD CABINET (DUAL)	1.00	0.00	1.00	EA	0.00	\$600.00	\$0.00
		0050	0400	9109902	MISC.INSTALL SALVAGED FIELD CABINET (SINGLE)	10.00	0.00	10.00	EA	0.00	\$650.00	\$0.00
		0050	0410	9109902	MISC.INSTALL SALVAGED NON-INTRUSIVE VEHICLE DETECTOR POLE	10.00	0.00	10.00	EA	0.00	\$1,000.00	\$0.00
		0050	0420	9109902	MISC.INSTALL SOLAR POWER SYSTEM	1.00	0.00	1.00	EA	0.00	\$5,500.00	\$0.00
		0050	0430	9109902	MISC.INSTALL SPREAD SPECTRUM WIRELESS COMMUNICATION EQUIPMENT	2.00	0.00	2.00	EA	0.00	\$140.00	\$0.00
		0050	0440	9109902	MISC.INSTALL UPS AUTOMATIC GENERATOR SWITCH	10.00	0.00	10.00	EA	0.00	\$140.00	\$0.00



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Contractor's Pay Estimate Summary
Contract Line Items and Total Paid for All Estimates**

Report Generated on July 19, 2023

Total Paid / All Items / All Estimates (Including this Estimate)

Note: Posted Quantities and Values are based on Report Generated date and can differ from the posted amount at the time the Estimate was Generated.

Contract Nm.CONTRACT	Project No.	Category	Line No.	Item Code	Description	Bid Quantity	Net Change Order	Total Current Quantity	Unit	Total Posted Approved Qty	Unit Price	Total Value POSTED To Date (See report generated date)
221021-F04	J6Q3386E	0050	0450	9109902	MISC.INSTALL UPS AUTOMATIC TRANSFER SWITCH	10.00	0.00	10.00	EA	0.00	\$120.00	\$0.00
		0050	0460	9109902	MISC.INSTALL UPS BATTERY	10.00	0.00	10.00	EA	0.00	\$120.00	\$0.00
		0050	0470	9109902	MISC.INSTALL UPS BATTERY MONITOR	10.00	0.00	10.00	EA	0.00	\$120.00	\$0.00
		0050	0480	9109902	MISC.INSTALL UPS POWER INVERTER	10.00	0.00	10.00	EA	0.00	\$120.00	\$0.00
		0050	0490	9109902	MISC.INSTALL UPS SYSTEM ASSEMBLY	10.00	0.00	10.00	EA	0.00	\$740.00	\$0.00
		0050	0500	9109902	MISC.INSTALL WIRELESS ETHERNET BRIDGE COMMUNICATION EQUIPMENT	5.00	7.00	12.00	EA	11.00	\$1,050.00	\$11,550.00
		0050	0510	9109902	MISC.ITS PULL BOX LID REPLACEMENT (32-INCH DIAMETER)	5.00	0.00	5.00	EA	1.00	\$750.00	\$750.00
		0050	0520	9109902	MISC.ITS PULL BOX LID REPLACEMENT (40.5 INCH DIAMETER)	5.00	0.00	5.00	EA	0.00	\$750.00	\$0.00
		0050	0530	9109902	MISC.MODOT BURIED CABLE DRIVABLE DELINEATOR POST	30.00	0.00	30.00	EA	1.00	\$110.00	\$110.00
		0050	0540	9109902	MISC.PAD-MOUNTED POWER SUPPLY, 120V ITS	2.00	0.00	2.00	EA	2.00	\$4,900.00	\$9,800.00
		0050	0550	9109902	MISC.PEDESTAL BASE FOR SENSYS REPEATER POLE	1.00	0.00	1.00	EA	0.00	\$900.00	\$0.00
		0050	0560	9109902	MISC.RACK MOUNTED INTERCONNECT CENTER	5.00	0.00	5.00	EA	1.00	\$900.00	\$900.00
		0050	0570	9109902	MISC.REMOVE AND REPLACE UPS BATTERY	116.00	0.00	116.00	EA	24.00	\$120.00	\$2,880.00
		0050	0580	9109902	MISC.REMOVE CAMERA POLE	1.00	2.00	3.00	EA	3.00	\$750.00	\$2,250.00
		0050	0590	9109902	MISC.REMOVE CCTV CAMERA & ASSEMBLY	30.00	0.00	30.00	EA	22.00	\$380.00	\$8,360.00
		0050	0600	9109902	MISC.REMOVE COMMUNICATION FIELD CABINET (DOUBLE CABINET)	1.00	0.00	1.00	EA	0.00	\$680.00	\$0.00
		0050	0610	9109902	MISC.REMOVE COMMUNICATION NODE FIELD CABINET (SINGLE CABINET)	1.00	0.00	1.00	EA	0.00	\$380.00	\$0.00
		0050	0620	9109902	MISC.REMOVE IN-PAVEMENT WIRELESS SENSORS	50.00	0.00	50.00	EA	0.00	\$10.00	\$0.00
		0050	0630	9109902	MISC.REMOVE NON-INTRUSIVE ACCESS POINT & ASSEMBLY	5.00	0.00	5.00	EA	0.00	\$125.00	\$0.00
		0050	0640	9109902	MISC.REMOVE NON-INTRUSIVE VEHICLE DETECTOR ASSEMBLY	15.00	0.00	15.00	EA	3.00	\$240.00	\$720.00
		0050	0650	9109902	MISC.REMOVE NON-INTRUSIVE VEHICLE DETECTOR POLE	10.00	0.00	10.00	EA	0.00	\$400.00	\$0.00
		0050	0660	9109902	MISC.REMOVE NON-INTRUSIVE WIRELESS REPEATER	5.00	0.00	5.00	EA	0.00	\$120.00	\$0.00
		0050	0670	9109902	MISC.REMOVE SOLAR POWER SYSTEM	1.00	2.00	3.00	EA	3.00	\$940.00	\$2,820.00
		0050	0680	9109902	MISC.REMOVE UPS AUTOMATIC GENERATOR SWITCH	10.00	0.00	10.00	EA	0.00	\$120.00	\$0.00
		0050	0690	9109902	MISC.REMOVE UPS AUTOMATIC TRANSFER SWITCH	10.00	0.00	10.00	EA	0.00	\$120.00	\$0.00
		0050	0700	9109902	MISC.REMOVE UPS BATTERY	10.00	0.00	10.00	EA	0.00	\$120.00	\$0.00
		0050	0710	9109902	MISC.REMOVE UPS BATTERY MONITOR	1.00	0.00	1.00	EA	0.00	\$120.00	\$0.00
		0050	0720	9109902	MISC.REMOVE UPS POWER INVERTER	1.00	0.00	1.00	EA	0.00	\$120.00	\$0.00
		0050	0730	9109902	MISC.REMOVE UPS SYSTEM ASSEMBLY	10.00	0.00	10.00	EA	0.00	\$300.00	\$0.00
		0050	0740	9109902	MISC.REMOVE WIRELESS COMMUNICATION EQUIPMENT	2.00	10.00	12.00	EA	15.00	\$250.00	\$3,750.00
		0050	0750	9109902	MISC.SENSYS REPEATER POLE BASE ALUMINUM SQUARE	1.00	0.00	1.00	EA	0.00	\$900.00	\$0.00
		0050	0760	9109902	MISC.TB1-17 ALUMINUM BASE FOR RTMS POLE	1.00	0.00	1.00	EA	0.00	\$900.00	\$0.00
		0050	0770	9109902	MISC.TB3-17 ALUMINUM BASE FOR RTMS POLE	1.00	0.00	1.00	EA	0.00	\$980.00	\$0.00
		0050	0780	9109902	MISC.TROUBLESHOOTING	100.00	0.00	100.00	EA	10.00	\$240.00	\$2,400.00
		0050	0790	9109902	MISC.Wall Mounted Interconnect Center	5.00	0.00	5.00	EA	0.00	\$900.00	\$0.00
		0050	0800	9109902	MISC.WRONG WAY ALERT SYSTEMS EQUIPMENT PURCHASE	2.00	0.00	2.00	EA	0.00	\$75,600.00	\$0.00
		0050	0810	9109902	MISC.WRONG WAY ALERT SYSTEMS INSTALLATION	2.00	0.00	2.00	EA	0.00	\$7,000.00	\$0.00
		0050	0820	9109902	MISC.WRONG WAY ALERT SYSTEMS SOFTWARE AND CERTIFICATION BY TAPCO OF NEW INSTALLATION	2.00	0.00	2.00	EA	0.00	\$5,500.00	\$0.00
		0050	0830	9109903	MISC.CONDUIT, 2 IN., RIGID, PUSHED	250.00	0.00	250.00	LF	0.00	\$18.00	\$0.00
		0050	0840	9109903	MISC.CONDUIT, HIGH-DENSITY POLYETHYLENE, 2 IN., IN TRENCH	50.00	0.00	50.00	LF	0.00	\$12.00	\$0.00
		0050	0850	9109903	MISC.CONDUIT, HIGH-DENSITY POLYETHYLENE, 2 IN., PUSHED	300.00	0.00	300.00	LF	288.00	\$19.00	\$5,472.00
		0050	0860	9109903	MISC.F&I CABLE IN CONDUIT, #1/0 WIRE, VARIABLE CONDUCTORS	500.00	0.00	500.00	LF	0.00	\$4.40	\$0.00
		0050	0870	9109903	MISC.F&I CABLE IN CONDUIT, #14 WIRE, VARIABLE CONDUCTORS	250.00	0.00	250.00	LF	0.00	\$2.00	\$0.00
		0050	0880	9109903	MISC.F&I CABLE IN CONDUIT, #2 WIRE, VARIABLE CONDUCTORS	100.00	100.00	200.00	LF	130.00	\$3.50	\$455.00



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221021-F04	J6Q3386E	0050	0890	9109903	MISC.F&I CABLE IN CONDUIT, #2/0 WIRE, VARIABLE CONDUCTORS	100.00	0.00	100.00	LF	0.00	\$3.75	\$0.00
		0050	0900	9109903	MISC.F&I CABLE IN CONDUIT, #4 WIRE, VARIABLE CONDUCTORS	100.00	0.00	100.00	LF	0.00	\$2.00	\$0.00
		0050	0910	9109903	MISC.F&I CABLE IN CONDUIT, #6 WIRE, VARIABLE CONDUCTORS	500.00	0.00	500.00	LF	0.00	\$2.25	\$0.00
		0050	0920	9109903	MISC.F&I CABLE IN CONDUIT, #8 WIRE, VARIABLE CONDUCTORS	1,000.00	0.00	1,000.00	LF	740.00	\$1.75	\$1,295.00
		0050	0930	9109903	MISC.F&I CABLE IN CONDUIT, VIDEO COAXIAL CABLE	250.00	0.00	250.00	LF	0.00	\$2.00	\$0.00
		0050	0940	9109903	MISC.F&I CABLE IN CONDUIT: CAT5E OUTDOOR RATED CABLE	5,000.00	0.00	5,000.00	LF	1,411.00	\$2.00	\$2,822.00
		0050	0950	9109903	MISC.F&I FIBER OPTIC CABLE, 24-STRAND SINGLE MODE	12,000.00	0.00	12,000.00	LF	9,996.00	\$3.40	\$33,986.40
		0050	0960	9109903	MISC.F&I FIBER OPTIC CABLE, 72-STRAND SINGLE MODE	3,000.00	0.00	3,000.00	LF	0.00	\$3.90	\$0.00
		0050	0970	9109903	MISC.F&I TRACE WIRE	8,000.00	0.00	8,000.00	LF	8,568.00	\$1.80	\$15,422.40
		0051	0990	9109902	MISC.MoDOT Approved UPS Device and Components	1.00	0.00	1.00	EA	0.00	\$19,000.00	\$0.00
		0051	1000	9109902	MISC.P.M. UPS (UNINTERRUPTIBLE POWER SUPPLY & ASSEMBLY)	32.00	0.00	32.00	EA	0.00	\$220.00	\$0.00
		0051	1010	9109902	MISC.PM AIR CONDITIONING UNITS FOR NODE CABINETS	64.00	0.00	64.00	EA	32.00	\$240.00	\$7,680.00
		0051	1020	9109902	MISC.PM CCTV CAMERA, ASSEMBLY, POLE, & FIELD CABINET	663.00	0.00	663.00	EA	386.00	\$390.00	\$150,540.00
		0051	1030	9109902	MISC.PM COMMUNICATION LINK AND ASSEMBLY	339.00	0.00	339.00	EA	289.00	\$149.00	\$43,061.00
		0051	1040	9109902	MISC.PM COMMUNICATION NODE FIELD CABINET	33.00	0.00	33.00	EA	7.00	\$430.00	\$3,010.00
		0051	1050	9109902	MISC.PM DMP, ASSEMBLY, POLES, FOUNDATION, AND CABINET	2.00	0.00	2.00	EA	0.00	\$340.00	\$0.00
		0051	1060	9109902	MISC.PM DMS, ASSEMBLY, POLE, FOUNDATION & FIELD CABINET	184.00	0.00	184.00	EA	3.00	\$440.00	\$1,320.00
		0051	1070	9109902	MISC.PM NON-INTRUSIVE VEHICLE DETECTOR STATIONS (MICROWAVE)	245.00	0.00	245.00	EA	1.00	\$310.00	\$310.00
		0051	1080	9109902	MISC.PM SOLAR POWER SYSTEM	27.00	0.00	27.00	EA	23.00	\$210.00	\$4,830.00
		0051	1090	9109902	MISC.PM UNINTERRUPTIBLE POWER SUPPLY (UPS) FOR NODE CABINETS	33.00	0.00	33.00	EA	7.00	\$210.00	\$1,470.00
		0051	1100	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV CABLES AND WIRES	1.00	0.00	1.00	EA	0.00	\$210.00	\$0.00
		0051	1110	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV CAMERA	1.00	2.00	3.00	EA	3.00	\$440.00	\$1,320.00
		0051	1120	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV CAMERA, ASSEMBLY, POLE, & FIELD CABINET	1.00	0.00	1.00	EA	0.00	\$440.00	\$0.00
		0051	1130	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV CONNECTORS	1.00	0.00	1.00	EA	0.00	\$440.00	\$0.00
		0051	1140	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV DEVICE SERVER	1.00	0.00	1.00	EA	0.00	\$120.00	\$0.00
		0051	1150	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV ENCODER	1.00	0.00	1.00	EA	0.00	\$120.00	\$0.00
		0051	1160	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV POLE ACCESS PANEL	1.00	0.00	1.00	EA	0.00	\$510.00	\$0.00
		0051	1170	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV POWER SUPPLY	1.00	0.00	1.00	EA	1.00	\$540.00	\$540.00
		0051	1180	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED CCTV SURGE PROTECTOR	1.00	0.00	1.00	EA	0.00	\$540.00	\$0.00
		0051	1190	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED DMP, ASSEMBLY, POLE, FOUNDATION, & FIELD CABINET	1.00	0.00	1.00	EA	0.00	\$340.00	\$0.00
		0051	1200	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED DMS CONTROLLER	1.00	0.00	1.00	EA	0.00	\$440.00	\$0.00
		0051	1210	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED DMS DRIVER BOARD	1.00	0.00	1.00	EA	0.00	\$680.00	\$0.00
0051	1220	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED DMS FAN	1.00	0.00	1.00	EA	0.00	\$680.00	\$0.00		
0051	1230	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED DMS LCA	1.00	0.00	1.00	EA	0.00	\$4,801.00	\$0.00		
0051	1240	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED DMS PIXEL BOARD	1.00	0.00	1.00	EA	0.00	\$480.00	\$0.00		
0051	1250	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED DMS POWER SUPPLY	1.00	0.00	1.00	EA	0.00	\$480.00	\$0.00		
0051	1260	9109902	MISC.PM WITH REPAIRS - MODOT APPROVED IP ADDRESSABLE POWER STRIP	1.00	0.00	1.00	EA	0.00	\$348.00	\$0.00		
0051	1270	9109902	MISC.PM WITH REPAIRS - MODOT SOLAR POWER SYSTEM	1.00	0.00	1.00	EA	0.00	\$390.00	\$0.00		
0051	1280	9109902	MISC.REMOVE AND REPLACE NODE CABINET AIR CONDITIONER SYSTEM	3.00	0.00	3.00	EA	0.00	\$12,000.00	\$0.00		
0051	1290	9109902	MISC.WRONG WAY ALERT SYSTEMS PREVENTATIVE MAINTENANCE, SOFTWARE & RECERTIFICATION	13.00	0.00	13.00	EA	0.00	\$4,700.00	\$0.00		
Project J6Q3386E - Total Value Posted to Date as of Report Generated Date											\$435,463.80	



Missouri Department of Transportation
Contractor's Pay Estimate Summary
Contract Line Items and Total Paid for All Estimates

Report Generated on July 19, 2023

Total Paid / All Items / All Estimates (Including this Estimate)

Note: Posted Quantities and Values are based on Report Generated date and can differ from the posted amount at the time the Estimate was Generated.

Contract Nm.CONTRACT	Project No.	Category	Line No.	Item Code	Description	Bid Quantity	Net Change Order	Total Current Quantity	Unit	Total Posted Approved Qty	Unit Price	Total Value POSTED To Date (See report generated date)
221021-F04 Overall - Total Value Posted to Date as of Report Generated Date												\$435,463.80



**Missouri Department of Transportation
Contractor's Pay Estimate Summary
Installed Locations of Paid Line Items (This Estimate Only)**

Report Generated on July 19, 2023

The information below this line is supplemental to the Estimate and is provided for confirmation of detail, location and quantity of work.

Project: J6Q3386E

Line Number	Item Code	Description	DWR Date	DWR Approval Date	Quantity Posted	Units	Location	From Station/ Log Mile	Offset/ Distance	To Station/ Log Mile	Offset/ Distance	Comments	
0090	9029902	MISC.	7/6/23	7/11/23	4.00	EA	MO340E011.8 Ret 340 at New Ballas Rd Issuetrak # 77					Install all new Cat5e cable through conduits and pull boxes for each of the 4 new video detection cameras to be installed for each approach at 340 and New Ballas Rd. Tag all new cables in pull boxes and at cabinet with new metal tags. Drill holes in mast arms at new locations of cameras and pull new Cat5e cable up post and through mast arm to new location. Install 4 new commission furnished video detection camera for all approaches. Install CCU and all supplied hardware in signal cabinet. Make all necessary grounding connections in cabinet.	
0200	9109902	MISC. ITS	6/30/23	7/5/23	8.00	EA	IS270N017.0 270 North of Marine Issuetrak # 705					Remove and replace the malfunctioning pixel board in the DMS on 270 North of Marine.	
			7/5/23	7/6/23	3.00	EA	US067S003.6 Rte AC (New Halls Ferry Rd) at Aintree Dr Issuetrak # 710					Remove solar power system from pole. Remove two Encom wireless communications units from pole. Remove pole, transformer base and pole foundation and return to Barret Station yard. Bring in topsoil to fill in hole up to grade.	
			7/6/23	7/11/23	12.00	EA	MO340E011.8 Ret 340 at New Ballas Rd Issuetrak # 77					Install all new Cat5e cable through conduits and pull boxes for each of the 4 new video detection cameras to be installed for each approach at 340 and New Ballas Rd. Tag all new cables in pull boxes and at cabinet with new metal tags. Drill holes in mast arms at new locations of cameras and pull new Cat5e cable up post and through mast arm to new location. Install 4 new commission furnished video detection camera for all approaches. Install CCU and all supplied hardware in signal cabinet. Make all necessary grounding connections in cabinet.	
			7/12/23	7/14/23	6.00	EA	MO021N005.6 Rte 21 at Cedar Plaza Issuetrak # 800						Upon arrival at the cabinet (21/Cedar) we performed an OTDR test on the fiber heading north to Old Tesson. The test showed a failure at 2300 Ft Approx. I did notice there was a ground crew working around that general area so we went down to the Old Tesson cabinet and tested the fiber heading south to Cedar Plaza. The test showed a failure at 260 FT. I then went to the east side of the intersection and opened the nearest pull box to the ground crew and found that the fiber had been pulled back into conduit and the sheathing had been torn away with the blue and orange tube exposed. I then hooked the locator to the trace wire and traced it back towards the ground crew and found that the conduit was right in the general area of a bore that was just completed crossing 21. It was assumed that the fiber and conduit had been damaged due to the bore.
			7/13/23	7/14/23	32.00	EA	MO021N005.6 Rte 21 at Cedar Plaza Issuetrak # 800						I was informed this morning that the Nexus program was showing that the fiber ran down the west side of 21 and not the east side of 21 where the suspected damage was. I informed MODOT that before any excavation occurred, we would verify the exact path of conduit run. It was established that the path of the conduit did in fact run down the east side of 21 from Cedar Plaza, north to a pull box in the southeast corner of Old Tesson/21, then crosses 21 into a class 5 and into cabinet. We then excavated the area around the damage, exposed the damaged conduit and repaired with a 2" split duct repair kit. When the conduit was damaged it was filled with mud from the bore machine. We were able to hydroflush that section of conduit to get the mud out. We then furnished and installed 2646 feet of 24 strand Single mode fiber optic cable from the signal cabinet at 21/Cedar Plaza north to the signal cabinet at 21/Old Tesson. We also furnished and install a 245 feet section of trace wire. Will complete splicing of fiber on 7-14-23.
0240	9109902	MISC. ITS	7/5/23	7/6/23	1.00	EA	MO100E101.2 Rte 100 at Holloway Issuetrak # 644					Furnish and Install class 1 pull box to be used as a riser for existing pull box.	
0570	9109902	MISC. ITS	6/30/23	7/5/23	4.00	EA	Node 26					Remove and replace the UPS batteries at Node 26.	
			7/7/23	7/11/23	4.00	EA	IS070W223.7 Node 15 I-70 at Rte 370					Perform preventative maintenance on UPS for Node 15 and remove and replace batteries	
0580	9109902	MISC. ITS	7/5/23	7/6/23	1.00	EA	US067S003.6 Rte AC (New Halls Ferry Rd) at Aintree Dr Issuetrak # 710					Remove solar power system from pole. Remove two Encom wireless communications units from pole. Remove pole, transformer base and pole foundation and return to Barret Station yard. Bring in topsoil to fill in hole up to grade.	
0670	9109902	MISC. ITS	7/5/23	7/6/23	1.00	EA	US067S003.6 Rte AC (New Halls Ferry Rd) at Aintree Dr Issuetrak # 710					Remove solar power system from pole. Remove two Encom wireless communications units from pole. Remove pole, transformer base and pole foundation and return to Barret Station yard. Bring in topsoil to fill in hole up to grade.	
0740	9109902	MISC. ITS	7/5/23	7/6/23	2.00	EA	US067S003.6 Rte AC (New Halls Ferry Rd) at Aintree Dr Issuetrak # 710					Remove solar power system from pole. Remove two Encom wireless communications units from pole. Remove pole, transformer base and pole foundation and return to Barret Station yard. Bring in topsoil to fill in hole up to grade.	
0780	9109902	MISC. ITS	7/12/23	7/14/23	1.00	EA	MO021N005.6 Rte 21 at Cedar Plaza Issuetrak # 800					Upon arrival at the cabinet (21/Cedar) we performed an OTDR test on the fiber heading north to Old Tesson. The test showed a failure at 2300 Ft Approx. I did notice there was a ground crew working around that general area so we went down to the Old Tesson cabinet and tested the fiber heading south to Cedar Plaza. The test showed a failure at 260 FT. I then went to the east side of the intersection and opened the nearest pull box to the ground crew and found that the fiber had been pulled back into conduit and the sheathing had been torn away with the blue and orange tube exposed. I then hooked the locator to the trace wire and traced it back towards the ground crew and found that the conduit was right in the general area of a bore that was just completed crossing 21. It was assumed that the fiber and conduit had been damaged due to the bore.	
0950	9109903	MISC. ITS	7/13/23	7/14/23	2,646.00	LF	MO021N005.6 Rte 21 at Cedar Plaza Issuetrak # 800					I was informed this morning that the Nexus program was showing that the fiber ran down the west side of 21 and not the east side of 21 where the suspected damage was. I informed MODOT that before any excavation occurred, we would verify the exact path of conduit run. It was established that the path of the conduit did in fact run down the east side of 21 from Cedar Plaza, north to a pull box in the southeast corner of Old Tesson/21, then crosses 21 into a class 5 and into cabinet. We then excavated the area around the damage, exposed the damaged conduit and repaired with a 2" split duct repair kit. When the conduit was damaged it was filled with mud from the bore machine. We were able to hydroflush that section of conduit to get the mud out. We then furnished and installed 2646 feet of 24 strand Single mode fiber optic cable from the signal cabinet at 21/Cedar Plaza north to the signal cabinet at 21/Old Tesson. We also furnished and install a 245 feet section of trace wire. Will complete splicing of fiber on 7-14-23.	



**Missouri Department of Transportation
Contractor's Pay Estimate Summary
Installed Locations of Paid Line Items (This Estimate Only)**

Report Generated on July 19, 2023

The information below this line is supplemental to the Estimate and is provided for confirmation of detail, location and quantity of work.

Line Number	Item Code	Description	DWR Date	DWR Approval Date	Quantity Posted	Units	Location	From Station/Log Mile	Offset/Distance	To Station/Log Mile	Offset/Distance	Comments
0970	9109903	MISC. ITS	6/30/23	7/5/23	630.00	LF	RTE 141 @ 21 Issuetrak # 724					Install trace wire from the class 5 pullbox nearest the signal cabinet on WB off ramp, across 141, down to 21 and across 21.
			7/13/23	7/14/23	245.00	LF	MO021N005.6 Rte 21 at Cedar Plaza Issuetrak # 800					I was informed this morning that the Nexus program was showing that the fiber ran down the west side of 21 and not the east side of 21 where the suspected damage was. I informed MODOT that before any excavation occurred, we would verify the exact path of conduit run. It was established that the path of the conduit did in fact run down the east side of 21 from Cedar Plaza, north to a pull box in the southeast corner of Old Tesson/21, then crosses 21 into a class 5 and into cabinet. We then excavated the area around the damage, exposed the damaged conduit and repaired with a 2" split duct repair kit. When the conduit was damaged it was filled with mud from the bore machine. We were able to hydroflush that section of conduit to get the mud out. We then furnished and installed 2646 feet of 24 strand Single mode fiber optic cable from the signal cabinet at 21/Cedar Plaza north to the signal cabinet at 21/Old Tesson. We also furnished and install a 245 feet section of trace wire. Will complete splicing of fiber on 7-14-23.
1020	9109902	MISC. ITS	7/12/23	7/14/23	2.00	EA	IS270E002.9, IS270S012.4					Perform preventative maintenance on the following cameras: I-270 S of 30, I-270 @ I-64
1030	9109902	MISC. ITS	7/7/23	7/11/23	10.00	EA	IS070E246.8, IS070W223.7, OR070W001.2, IS070E217.9, OR070E001.2, IS044E292.7, OR070W001.0, OR070E001.0					Perform preventative maintenance on the following wireless comm. IPs: 10.6.124.19, 10.6.102.109, 10.6.111.113, 10.6.111.112, 10.6.111.114, 10.6.111.111, 10.6.124.100, 10.6.102.119, 10.6.102.80, 10.6.102.86
			7/10/23	7/12/23	9.00	EA	IS044W261.9, IS044W262.1, IS270S016.6, RT00DW001.4, RT00DW001.9, RT00AE003.3, IS070E212.0					10.6.123.56, 10.6.123.40, 10.6.129.150, 10.6.129.148, 10.6.129.147, 10.6.129.146, 10.6.126.138, 10.6.126.137, 10.6.126.136
			7/12/23	7/14/23	2.00	EA	MO021S001.2					
1040	9109902	MISC. ITS	7/7/23	7/11/23	1.00	EA	IS070W223.7 Node 15 I-70 at Rte 370					Perform preventative maintenance on Node 15.
1060	9109902	MISC. ITS	6/30/23	7/5/23	1.00	EA	IS270N017.0 270 North of Marine					Preventative maintenance on DMS at 270 North of Marine.
1090	9109902	MISC. ITS	7/7/23	7/11/23	1.00	EA	IS070W223.7 Node 15 I-70 at Rte 370					Perform preventative maintenance on UPS for Node 15 and remove and replace batteries.

The information below this line are details for Construction Signs (if applicable).
No Data Available



Line Item Adjustments by Estimate

Jul 19, 2023

Contract ID: 221021-F04

Project	Line	Description	Adjustment Type	Other Adjustment Type	Est. Number	Created Date	Created By	Amount	Remarks				
J6Q3386E	0500	MISC. ITS	Overrun	Overrun	4	Mar 2, 2023	SYSTEM	(\$1,050.00)					
					6	Apr 3, 2023	SYSTEM	\$1,050.00	Unit price based on averaged overrun adjustments for installed quantity on all previous payment estimates. Price Adjustments of ',1050.00000 - 1050.00000, 'is applied (if non-zero).				
					Overrun - Total							\$0.00	
					Overrun - Total							\$0.00	
					0500 - Total							\$0.00	
	0580	MISC. ITS	Overrun	Overrun	8	May 2, 2023	SYSTEM	(\$750.00)					
					10	Jun 2, 2023	SYSTEM	\$750.00	Unit price based on averaged overrun adjustments for installed quantity on all previous payment estimates. Price Adjustments of ',750.00000 - 750.00000, 'is applied (if non-zero).				
					Overrun - Total							\$0.00	
					Overrun - Total							\$0.00	
					0580 - Total							\$0.00	
	0670	MISC. ITS	Overrun	Overrun	8	May 2, 2023	SYSTEM	(\$940.00)					
					10	Jun 2, 2023	SYSTEM	\$940.00	Unit price based on averaged overrun adjustments for installed quantity on all previous payment estimates. Price Adjustments of ',940.00000 - 940.00000, 'is applied (if non-zero).				
					Overrun - Total							\$0.00	
					Overrun - Total							\$0.00	
					0670 - Total							\$0.00	
	0740	MISC. ITS	Overrun	Overrun	2	Feb 2, 2023	SYSTEM	(\$250.00)					
					4	Mar 2, 2023	SYSTEM	(\$250.00)					
					6	Apr 3, 2023	SYSTEM	\$500.00	Unit price based on averaged overrun adjustments for installed quantity on all previous payment estimates. Price Adjustments of ',250.00000 - 250.00000, 'is applied (if non-zero).				
					10	Jun 2, 2023	SYSTEM	(\$250.00)					
					13	Jul 17, 2023	SYSTEM	(\$500.00)					
					Overrun - Total							(\$750.00)	
Overrun - Total							(\$750.00)						
0740 - Total							(\$750.00)						
	0970	MISC. ITS	Overrun	Overrun	13	Jul 17, 2023	SYSTEM	(\$1,022.40)					
					Overrun - Total							(\$1,022.40)	
					Overrun - Total							(\$1,022.40)	
0970 - Total							(\$1,022.40)						
	1110	MISC. ITS	Overrun	Overrun	8	May 2, 2023	SYSTEM	(\$440.00)					
					10	Jun 2, 2023	SYSTEM	\$440.00	Unit price based on averaged overrun adjustments for installed quantity on all previous payment estimates. Price Adjustments of ',440.00000 - 440.00000, 'is applied (if non-zero).				
					Overrun - Total							\$0.00	
					Overrun - Total							\$0.00	
1110 - Total							\$0.00						
J6Q3386E - Total								(\$1,772.40)					
Overall - Total								(\$1,772.40)					



Contract Adjustments for Contract - 221021-F04

Estimate Number	Project	Adjustment Type	Other Adjustment Type	Adjustment Amount	Adjustment Percentage by Project	Created Date	Created By	Comments
2	J6Q3386E	Other Contract Adjustment	OTHR	\$89.24	100	Feb 2, 2023	norton1	This adjustment covers Partnering expenses incurred during a recent meeting with MoDOT and Reinhold Electric. Due to the challenges associated with maintaining the ITS Infrastructure, the decision was made to bridge both parties together to share challenges, risks, and solutions. This amount is a 50/50 split.
2 - Total					\$89.24			
Overall - Total					\$89.24			