



**Economic Development Authority Board (EDA)**

**Regular Meeting – Township Hall**

**Tuesday, September 20, 2016**

**5:15 p.m.**

**AGENDA**

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF REGULAR MEETING MINUTES AUGUST 16, 2016
5. PUBLIC COMMENT
6. REPORTS
  - A. ACCOUNTS PAYABLE
    - EAST D.D.A. DISTRICT #248
    - WEST D.D.A. DISTRICT #250
    - WEST D.D.A. DISTRICT #396
  - B. FINANCIAL STATEMENTS:
    - EAST D.D.A. DISTRICT: OPERATING FUND #248
    - WEST D.D.A. DISTRICT: OPERATING FUND #250
    - BOND DEBT RETIREMENT FUND #396
7. NEW BUSINESS
8. EXISTING BUSINESS
  1. BOARD APPOINTMENTS/TERMS – IN PROCESS
  2. PROJECT LIST REVIEW: EAST AND WEST DDA–IN PROCES
  3. MMI CONTRACTS–IN PROCES
  4. MANHOLE REHABILITATION BID
9. ADJOURNMENT UNTIL NEXT REGULAR EDA MEETING OCTOBER 18, 2016

**Charter Township of Union  
Economic Development Authority Board (EDA)  
Regular Board Meeting  
Tuesday, August 16, 2016**

**MINUTES**

**CALL TO ORDER**

Chairman Kequom called to order the EDA Board Meeting at 5:22 pm.

**ROLL CALL**

Present: Kequom, Perry, Alwood, Zalud, Elmore, Figg

Excused: Johnson, Chowdhary

Absent: Smith, Hunter, Bacon

Others Present: Mark Stuhldreher, Township Manager; Angela Schofield, Building Dept. Clerk

**APPROVAL OF AGENDA**

MOTION by **Zalud** SUPPORTED by **Perry** to approve the agenda as presented. MOTION CARRIED 6-0.

**APPROVAL OF MINUTES**

MOTION by **Alwood** SUPPORTED by **Figg** to approve minutes from the July 19, 2016 meeting as presented.

MOTION CARRIED 6-0.

**PUBLIC COMMENT** – None

**ACCOUNTS PAYABLE/ FINANCIAL STATEMENTS**

Discussion was held on the accounts payable. Mr. Stuhldreher highlighted the major expenditures in both the East and West for fire protection service, and routine miscellaneous payments.

MOTION by **Elmore** SUPPORTED by **Perry** to approve the East EDA accounts payable as presented. MOTION CARRIED 6-0.

MOTION by **Zalud** SUPPORTED by **Alwood** to approve the West EDA accounts payable as presented. MOTION CARRIED 6-0.

The Board reviewed the financial statements. Mr. Zalud noted that the 398 Special Assessment Fund should be cleaned up as the bond was paid off and is an idle account. Mr. Elmore inquired about the discrepancy between budget and actual revenue in the West EDA. Mr. Stuhldreher explained that a portion of it was due to a tax tribunal case that went against the Township.

MOTION by **Elmore** SUPPORTED by **Perry** to approve the East and West EDA financials as presented. MOTION CARRIED 6-0.

**ACTION ITEM:** Confirm reason for difference in budget to actual revenue for the West EDA.

**NEW BUSINESS**

**MMI Increase**

Correspondence from MMI regarding a rate increase was reviewed. Discussion was held on the increase, the 2008 contract and the process of reviewing contracts including new language regarding price increases and renewal.

MOTION by **Zalud** SUPPORTED by **Figg** to approve the MMI rate increase of \$27.55 for the corridor clean up, and \$27.40 for the park bench clean up as presented, and authorize Administration to review and update (2) contracts with MMI.

MOTION CARRIED 6-0.

**ACTION ITEM:** Review, update MMI contracts

**EXISTING BUSINESS**

**1. WELCOME BANNER PROOFS**

The Board reviewed, commented and made recommendations on the banner graphics.

**ACTION ITEM:** Revise proofs as directed, send for production

**2. BOARD APPOINTMENTS/TERMS – IN PROCESS**

Discussion was held on the Board appointments, and the process for updating the list.

**3. JAMESON HALL SEALCOATING**

Discussion was held on the project including the additional bid received; the project completion and subsequent approval by Township Manager Stuhldreher.

**4. MANHOLE REHABILITATION**

Mr. Stuhldreher updated the Board on the status of the bids currently under review; stated Ms. Smith plans to make a recommendation at the September meeting.

**5. PROJECT LIST REVIEW**

The Board discussed the project list, individual projects and the process for prioritizing items. Mr. Stuhldreher outlined the process he will put in place to facilitate the review.

**ACTION ITEM:** Review the current Economic Development and TIF Plans in place, update status of projects currently on the list.

**Chairman Kequom** adjourned the meeting at 6:32

**APPROVED BY**

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**Secretary, Mr. Chowdhary**

(Recorded by Angela Schofield)

**Charter Township of Union**  
**West Downtown Development Authority**  
**Interim Financial Statements - Unaudited**  
**As of 8/31/2016**

	YTD Operating	YTD Debt Service	YTD Combined	YTD Budget	% Budget Used
<b>Revenues</b>					
Property Taxes Captured-Actual	\$ 449,658.74	\$ -	\$ 449,658.74	\$ 499,948.00	89.94%
Interest Income	1,107.84	50.33	1,158.17	750.00	154.42%
Other Revenue	-	-	-	-	0.00%
<b>Total Revenues</b>	<b>450,766.58</b>	<b>50.33</b>	<b>450,816.91</b>	<b>500,698.00</b>	<b>90.04%</b>
<b>Expenditures</b>					
<b>Current</b>					
Personnel Services	-	-	-	5,520.00	0.00%
Public Safety-Fire Protection	37,316.28	-	37,316.28	37,953.00	98.32%
Community & Economic Dev					
Roadwork-Lincoln Rd and Bridge	-	-	-	300,000.00	0.00%
Misc	-	-	-	1,375.00	0.00%
<b>Debt Service</b>					
Principal retirement	-	33,268.00	33,268.00	33,268.00	100.00%
Interest and fiscal charges	-	217,532.00	217,532.00	217,482.00	100.02%
<b>Total expenditures</b>	<b>37,316.28</b>	<b>250,800.00</b>	<b>288,116.28</b>	<b>595,598.00</b>	<b>298.35%</b>
Excess (deficiency) of revenues over expenditures	413,450.30	(250,749.67)	162,700.63	(94,900.00)	
<b>Other financing sources (uses)</b>					
Transfers in	-	229,925.75	229,925.75	250,750.00	91.70%
Transfers out	220,000.00	9,925.75	229,925.75	250,750.00	91.70%
<b>Total other financing sources and uses</b>	<b>(220,000.00)</b>	<b>220,000.00</b>	<b>-</b>	<b>-</b>	
<b>Net change in fund balance</b>					
Fund Balance - beginning of year	646,373.46	39,644.59	686,018.05	882,743.93	77.71%
Fund Balance - end of year	\$ 839,823.76	\$ 8,894.92	\$ 848,718.68	\$ 787,843.93	107.73%

**Charter Township of Union  
West Downtown Development Authority  
August, 2016**

**August Expenditures:**

Bond Paying Agent Fees	\$	800.00
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Cash Balance	8/31/2016	\$	849,518.68
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<b>Charter Township of Union</b> <b>East Downtown Development Authority</b> <b>Interim Financial Statements - Unaudited</b> <b>As of 8/31/2016</b>
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	8/31/2016 Activity	YTD Actual	YTD Budget	% Budget Used
<b>Revenues</b>				
Property Taxes Captured-Actual	\$ -	\$ 428,526.90	\$ 421,349.00	101.70%
Interest Income	209.74	1,286.41	1,000.00	128.64%
Other Revenue	-	101.09	500.00	20.22%
<b>Total Revenues</b>	<b>209.74</b>	<b>429,914.40</b>	<b>422,849.00</b>	<b>101.67%</b>
<b>Expenditures</b>				
<b>Current</b>				
Personnel Services	-	-	5,520.00	0.00%
Public Safety-Fire Protection	-	60,775.00	60,776.00	0.00%
Community & Economic Dev				
Prof/Contractual Services	4,789.75	7,802.57	13,500.00	57.80%
Sidewalk Snowplowing	-	5,175.00	5,000.00	103.50%
Irrigation/Lighting Repairs	631.80	5,314.56	2,500.00	212.58%
Flower/Landscape Maintenance	2,940.00	12,907.50	17,000.00	75.93%
Pure Michigan Advertising	5,000.00	5,000.00	5,000.00	100.00%
Street Light Banners	48.00	6,148.00	15,000.00	40.99%
District Projects	-	-	150,228.00	0.00%
Enterprise Park Sewer Relining	-	-	100,000.00	0.00%
Enterprise Park Street Resurface	337,534.96	337,534.96	-	-100.00%
Other Misc	780.63	11,414.95	48,325.00	23.62%
<b>Total expenditures</b>	<b>351,725.14</b>	<b>452,072.54</b>	<b>422,849.00</b>	<b>514.41%</b>
<b>Net change in fund balance</b>	<b>(351,515.40)</b>	<b>(22,158.14)</b>	<b>-</b>	<b>0.00%</b>
<b>Fund Balance - beginning of year</b>	<b>882,743.93</b>	<b>882,743.93</b>	<b>882,743.93</b>	<b>100.00%</b>
<b>Fund Balance - end of year</b>	<b>\$ 860,585.79</b>	<b>\$ 860,585.79</b>	<b>\$ 882,743.93</b>	<b>97.49%</b>

**Charter Township of Union  
East Downtown Development Authority  
August, 2016**

**August Expenditures:**

to Isabella Road Comm for Enterprise Park	\$ 337,534.96
M20 Irrigation Repairs	631.80
Jameson Park-Parking Lot Repair	4,543.00
2016 Pure Michigan Campaign	5,000.00
To MMI for Park Bench Ground Maint	246.75
Flower/Landscape Maintenance	2,940.00
to Consumers for Electrical	587.63
to Media Graphix for Banner Design Fee	48.00
Morning Sun Ad for Manhole Rehab Bid	193.00

Total \$ 351,725.14

Cash Balance 8/31/2016 \$ 1,211,530.30

User: SHERRIE

DB: Union

PERIOD ENDING 08/31/2016

GL NUMBER	DESCRIPTION	END BALANCE	2016		YTD BALANCE	ENCUMBERED	UNENCUMBERED	% BDGT
		12/31/2015	ORIGINAL	2016	08/31/2016			
		NORM (ABNORM)	BUDGET	AMENDED BUDGET	NORM (ABNORM)	YEAR-TO-DATE	BALANCE	USED
Fund 248 - EDDA OPERATING								
Revenues								
Dept 000-NONE								
248-000-402.000	CURRENT PROPERTY TAX	414,711.78	426,099.00	426,099.00	426,383.74	0.00	(284.74)	100.07
248-000-402.001	PROPERTY TAX REFUNDS-MTT	0.00	(5,000.00)	(5,000.00)	0.00	0.00	(5,000.00)	0.00
248-000-402.002	PILOT TAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248-000-402.100	PRIOR YEARS PROPERTY TAXES	0.00	250.00	250.00	0.00	0.00	250.00	0.00
248-000-420.000	DELQ PERSONAL PROPERTY CAPT	67.84	0.00	0.00	2,143.16	0.00	(2,143.16)	100.00
248-000-445.000	INTEREST ON TAXES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248-000-573.000	STATE AID REVENUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248-000-665.000	INTEREST EARNED	3,607.75	1,000.00	1,000.00	1,286.41	0.00	(286.41)	128.64
248-000-671.000	OTHER REVENUE	263.50	500.00	500.00	101.09	0.00	398.91	20.22
248-000-699.100	FUND BALANCE / CARRY OVER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000-NONE		418,650.87	422,849.00	422,849.00	429,914.40	0.00	(7,065.40)	101.67
TOTAL Revenues		418,650.87	422,849.00	422,849.00	429,914.40	0.00	(7,065.40)	101.67
Expenditures								
Dept 000-NONE								
248-000-702.000	SALARY	0.00	4,556.00	4,556.00	0.00	0.00	4,556.00	0.00
248-000-713.000	HEALTH & DENTAL BENEFIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248-000-714.000	EMPLR FICA CONTR	0.00	282.00	282.00	0.00	0.00	282.00	0.00
248-000-715.000	EMPLR MEDICARE CONTR	0.00	66.00	66.00	0.00	0.00	66.00	0.00
248-000-716.000	UNEMPLOYMENT	0.00	228.00	228.00	0.00	0.00	228.00	0.00
248-000-717.000	EMPLR RETIREMENT CONTR	0.00	342.00	342.00	0.00	0.00	342.00	0.00
248-000-718.000	WORKER'S COMP	0.00	46.00	46.00	0.00	0.00	46.00	0.00
248-000-728.000	OFFICE SUPPLIES	54.91	75.00	75.00	0.00	0.00	75.00	0.00
248-000-801.000	PROFESSIONAL & CONTRACTUAL SER	56,934.99	13,500.00	13,500.00	7,802.57	0.00	5,697.43	57.80
248-000-801.003	SIDEWALK SNOWPLOWING	0.00	5,000.00	5,000.00	5,175.00	0.00	(175.00)	103.50
248-000-801.004	EDDA RIGHT OF WAY LAWN MOWING	0.00	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
248-000-801.005	IRRIGATION / LIGHTING REPAIRS	0.00	2,500.00	2,500.00	5,314.56	0.00	(2,814.56)	212.58
248-000-801.006	TWP STAFF PROJECT HOURS	0.00	12,000.00	12,000.00	0.00	0.00	12,000.00	0.00
248-000-801.007	FLOWER / LANDSCAPE MAINTENANCE	25.00	17,000.00	17,000.00	12,907.50	0.00	4,092.50	75.93
248-000-801.008	PURE MICHIGAN ADVERTISING	0.00	5,000.00	5,000.00	5,000.00	0.00	0.00	100.00
248-000-802.000	INDIRECT COST REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248-000-826.000	LEGAL FEES	330.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
248-000-900.000	PUBLISHING & PUBLICATIONS	0.00	250.00	250.00	193.00	0.00	57.00	77.20
248-000-914.000	LIABILITY	1,350.00	1,400.00	1,400.00	1,125.00	0.00	275.00	80.36
248-000-920.000	UTILITIES	8,627.58	15,000.00	15,000.00	6,254.34	0.00	8,745.66	41.70
248-000-920.100	WATER & SEWER QTR. BILLING	11,134.09	12,500.00	12,500.00	3,348.11	0.00	9,151.89	26.78
248-000-940.000	LEASE/RENT	595.83	600.00	600.00	687.50	0.00	(87.50)	114.58
248-000-955.000	MISC.	516.22	500.00	500.00	0.00	0.00	500.00	0.00
248-000-964.000	REFUNDS & REBATES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248-000-976.200	DISTRICT PROJECTS	0.00	150,228.00	150,228.00	0.00	0.00	150,228.00	0.00
248-000-976.204	ENTERPRISE PARK SEWER RELINING	44,978.80	100,000.00	100,000.00	0.00	0.00	100,000.00	0.00
248-000-976.207	STREET LIGHT BANNERS	11,620.00	15,000.00	15,000.00	6,148.00	0.00	8,852.00	40.99
248-000-976.211	ENTERPRISE PARK DRAINAGE	137,582.00	0.00	0.00	0.00	0.00	0.00	0.00
248-000-976.213	ENTERPRISE PARK STREET RESURFA	986,560.78	0.00	0.00	337,534.96	0.00	(337,534.96)	100.00
Total Dept 000-NONE		1,260,310.20	362,073.00	362,073.00	391,490.54	0.00	(29,417.54)	108.12
Dept 336-FIRE DEPARTMENT								
248-336-830.000	PUBLIC SAFETY - FIRE PROTECTIC	61,917.40	60,776.00	60,776.00	60,775.00	0.00	1.00	100.00



User: SHERRIE

DB: Union

PERIOD ENDING 08/31/2016

GL NUMBER	DESCRIPTION	END BALANCE	2016		YTD BALANCE	ENCUMBERED	UNENCUMBERED	% BDGT
		12/31/2015	ORIGINAL	2016	08/31/2016			
		NORM (ABNORM)	BUDGET	AMENDED BUDGET	NORM (ABNORM)	YEAR-TO-DATE	BALANCE	USED
Fund 248 - EDDA OPERATING								
Expenditures								
Total Dept 336-FIRE DEPARTMENT		61,917.40	60,776.00	60,776.00	60,775.00	0.00	1.00	100.00
Dept 996-TRANSFER OUT								
248-996-999.206	TRANSFER OUT TO FIRE FUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 996-TRANSFER OUT		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL Expenditures		1,322,227.60	422,849.00	422,849.00	452,265.54	0.00	(29,416.54)	106.96
Fund 248 - EDDA OPERATING:								
TOTAL REVENUES		418,650.87	422,849.00	422,849.00	429,914.40	0.00	(7,065.40)	101.67
TOTAL EXPENDITURES		1,322,227.60	422,849.00	422,849.00	452,265.54	0.00	(29,416.54)	106.96
NET OF REVENUES & EXPENDITURES		(903,576.73)	0.00	0.00	(22,351.14)	0.00	22,351.14	100.00

PERIOD ENDING 08/31/2016

GL NUMBER	DESCRIPTION	END BALANCE	2016		YTD BALANCE	ENCUMBERED	UNENCUMBERED	% BGD
		12/31/2015	ORIGINAL	2016	08/31/2016			
		NORM (ABNORM)	BUDGET	AMENDED BUDGET	NORM (ABNORM)	YEAR-TO-DATE	BALANCE	USED
Fund 250 - WDDA OPERATING								
Revenues								
Dept 000-NONE								
250-000-402.000	CURRENT PROPERTY TAX	499,594.05	503,698.00	503,698.00	457,662.49	0.00	46,035.51	90.86
250-000-402.001	PROPERTY TAX REFUNDS-MTT	(1,038.41)	(4,000.00)	(4,000.00)	(8,337.74)	0.00	4,337.74	208.44
250-000-402.002	PILOT TAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-402.100	PRIOR YEARS PROPERTY TAXES	0.00	250.00	250.00	0.00	0.00	250.00	0.00
250-000-420.000	DELQ PERSONAL PROPERTY CAPT	281.65	0.00	0.00	333.99	0.00	(333.99)	100.00
250-000-445.000	INTEREST ON TAXES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-573.000	STATE AID REVENUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-665.000	INTEREST EARNED	1,306.34	750.00	750.00	1,107.84	0.00	(357.84)	147.71
250-000-671.000	OTHER REVENUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-699.100	FUND BALANCE / CARRY OVER	0.00	94,900.00	94,900.00	0.00	0.00	94,900.00	0.00
Total Dept 000-NONE		500,143.63	595,598.00	595,598.00	450,766.58	0.00	144,831.42	75.68
TOTAL Revenues		500,143.63	595,598.00	595,598.00	450,766.58	0.00	144,831.42	75.68
Expenditures								
Dept 000-NONE								
250-000-702.000	SALARY	0.00	4,556.00	4,556.00	0.00	0.00	4,556.00	0.00
250-000-713.000	HEALTH & DENTAL BENEFIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-714.000	EMPLR FICA CONTR	0.00	282.00	282.00	0.00	0.00	282.00	0.00
250-000-715.000	EMPLR MEDICARE CONTR	0.00	66.00	66.00	0.00	0.00	66.00	0.00
250-000-716.000	UNEMPLOYMENT	0.00	228.00	228.00	0.00	0.00	228.00	0.00
250-000-717.000	EMPLR RETIREMENT CONTR	0.00	342.00	342.00	0.00	0.00	342.00	0.00
250-000-718.000	WORKER'S COMP	0.00	46.00	46.00	0.00	0.00	46.00	0.00
250-000-728.000	OFFICE SUPPLIES	0.00	125.00	125.00	0.00	0.00	125.00	0.00
250-000-801.000	PROFESSIONAL & CONTRACTUAL SER	0.00	500.00	500.00	0.00	0.00	500.00	0.00
250-000-802.000	INDIRECT COST REIMBURSEMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-826.000	LEGAL FEES	0.00	500.00	500.00	0.00	0.00	500.00	0.00
250-000-900.000	PUBLISHING & PUBLICATIONS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-955.000	MISC.	0.00	250.00	250.00	0.00	0.00	250.00	0.00
250-000-964.000	REFUNDS & REBATES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-976.200	DISTRICT PROJECTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-976.202	LINCOLN RD. / M20 DRAIN PROJEC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-000-976.214	LINCOLN ROAD AND BRIDGE	0.00	300,000.00	300,000.00	0.00	0.00	300,000.00	0.00
Total Dept 000-NONE		0.00	306,895.00	306,895.00	0.00	0.00	306,895.00	0.00
Dept 336-FIRE DEPARTMENT								
250-336-830.000	PUBLIC SAFETY - FIRE PROTECTIC	39,022.56	37,953.00	37,953.00	37,316.28	0.00	636.72	98.32
Total Dept 336-FIRE DEPARTMENT		39,022.56	37,953.00	37,953.00	37,316.28	0.00	636.72	98.32
Dept 996-TRANSFER OUT								
250-996-999.206	TRANSFER OUT TO FIRE FUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250-996-999.396	TRANSFER OUT TO WDDA G/O DEBT	220,000.00	250,750.00	250,750.00	220,000.00	0.00	30,750.00	87.74
250-996-999.398	TRANSFER OUT TO WDDA SPEC ASSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 996-TRANSFER OUT		220,000.00	250,750.00	250,750.00	220,000.00	0.00	30,750.00	87.74
TOTAL Expenditures		259,022.56	595,598.00	595,598.00	257,316.28	0.00	338,281.72	43.20

User: SHERRIE

DB: Union

PERIOD ENDING 08/31/2016

GL NUMBER	DESCRIPTION	END BALANCE	2016		YTD BALANCE	ENCUMBERED	UNENCUMBERED	% BDGT
		12/31/2015	ORIGINAL	2016	08/31/2016			
		NORM (ABNORM)	BUDGET	AMENDED BUDGET	NORM (ABNORM)	YEAR-TO-DATE	BALANCE	USED
Fund 250 - WDDA OPERATING								
Fund 250 - WDDA OPERATING:								
	TOTAL REVENUES	500,143.63	595,598.00	595,598.00	450,766.58	0.00	144,831.42	75.68
	TOTAL EXPENDITURES	259,022.56	595,598.00	595,598.00	257,316.28	0.00	338,281.72	43.20
	NET OF REVENUES & EXPENDITURES	241,121.07	0.00	0.00	193,450.30	0.00	(193,450.30)	100.00

PERIOD ENDING 08/31/2016

GL NUMBER	DESCRIPTION	END BALANCE	2016		YTD BALANCE	ENCUMBERED	UNENCUMBERED	% BDGT
		12/31/2015	ORIGINAL	2016	08/31/2016			
		NORM (ABNORM)	BUDGET	AMENDED BUDGET	NORM (ABNORM)	YEAR-TO-DATE	BALANCE	USED
Fund 396 - WDDA G/O DEBT SERVICE FUND								
Revenues								
Dept 000-NONE								
396-000-665.000	INTEREST EARNED	56.16	0.00	0.00	45.35	0.00	(45.35)	100.00
Total Dept 000-NONE		56.16	0.00	0.00	45.35	0.00	(45.35)	100.00
Dept 961-TRANSFER IN								
396-961-699.250	TRANSFER IN FROM WDDA	220,000.00	250,750.00	250,750.00	220,000.00	0.00	30,750.00	87.74
396-961-699.398	TRANSFER IN FROM WDDA SPEC ASS	0.00	0.00	0.00	9,925.75	0.00	(9,925.75)	100.00
Total Dept 961-TRANSFER IN		220,000.00	250,750.00	250,750.00	229,925.75	0.00	20,824.25	91.70
TOTAL Revenues		220,056.16	250,750.00	250,750.00	229,971.10	0.00	20,778.90	91.71
Expenditures								
Dept 000-NONE								
396-000-991.000	BOND - PRINCIPAL	35,028.00	33,268.00	33,268.00	33,268.00	0.00	0.00	100.00
396-000-996.000	BOND - INTEREST	204,972.00	216,732.00	216,732.00	216,732.00	0.00	0.00	100.00
396-000-996.001	BOND - PAYING AGENT FEES	800.00	750.00	750.00	800.00	0.00	(50.00)	106.67
Total Dept 000-NONE		240,800.00	250,750.00	250,750.00	250,800.00	0.00	(50.00)	100.02
TOTAL Expenditures		240,800.00	250,750.00	250,750.00	250,800.00	0.00	(50.00)	100.02
Fund 396 - WDDA G/O DEBT SERVICE FUND:								
TOTAL REVENUES		220,056.16	250,750.00	250,750.00	229,971.10	0.00	20,778.90	91.71
TOTAL EXPENDITURES		240,800.00	250,750.00	250,750.00	250,800.00	0.00	(50.00)	100.02
NET OF REVENUES & EXPENDITURES		(20,743.84)	0.00	0.00	(20,828.90)	0.00	20,828.90	100.00

PERIOD ENDING 08/31/2016

GL NUMBER	DESCRIPTION	END BALANCE	2016		YTD BALANCE	ENCUMBERED	UNENCUMBERED	% BDGT
		12/31/2015	ORIGINAL	2016	08/31/2016			
		NORM (ABNORM)	BUDGET	AMENDED BUDGET	NORM (ABNORM)	YEAR-TO-DATE	BALANCE	USED
Fund 398 - WDDA SPECIAL ASSESS DEBT SERVICE								
Revenues								
Dept 000-NONE								
398-000-665.000	INTEREST EARNED	21.17	0.00	0.00	4.98	0.00	(4.98)	100.00
398-000-669.002	INTEREST EARNED- WATER SPEC AS	1,198.39	0.00	0.00	0.00	0.00	0.00	0.00
398-000-669.003	INTEREST EARNED-SEWER SPEC ASS	2,105.87	0.00	0.00	0.00	0.00	0.00	0.00
398-000-672.600	REVENUE-SEWER SPEC ASSESS	21,501.25	0.00	0.00	0.00	0.00	0.00	0.00
398-000-672.700	REVENUE-WATER SPEC ASSESS	12,545.93	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000-NONE		37,372.61	0.00	0.00	4.98	0.00	(4.98)	100.00
TOTAL Revenues		37,372.61	0.00	0.00	4.98	0.00	(4.98)	100.00
Expenditures								
Dept 000-NONE								
398-000-955.000	MISC EXPENDITURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
398-000-991.000	BOND - PRINCIPAL	75,000.00	0.00	0.00	0.00	0.00	0.00	0.00
398-000-996.000	BOND - INTEREST	4,405.00	0.00	0.00	0.00	0.00	0.00	0.00
398-000-996.001	BOND - PAYING AGENT FEES	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000-NONE		79,905.00	0.00	0.00	0.00	0.00	0.00	0.00
Dept 996-TRANSFER OUT								
398-996-999.396	TRANSFER OUT TO WDDA G/O DEBT	0.00	0.00	0.00	9,925.75	0.00	(9,925.75)	100.00
Total Dept 996-TRANSFER OUT		0.00	0.00	0.00	9,925.75	0.00	(9,925.75)	100.00
TOTAL Expenditures		79,905.00	0.00	0.00	9,925.75	0.00	(9,925.75)	100.00
Fund 398 - WDDA SPECIAL ASSESS DEBT SERVICE:								
TOTAL REVENUES		37,372.61	0.00	0.00	4.98	0.00	(4.98)	100.00
TOTAL EXPENDITURES		79,905.00	0.00	0.00	9,925.75	0.00	(9,925.75)	100.00
NET OF REVENUES & EXPENDITURES		(42,532.39)	0.00	0.00	(9,920.77)	0.00	9,920.77	100.00
TOTAL REVENUES - ALL FUNDS								
TOTAL REVENUES - ALL FUNDS		1,176,223.27	1,269,197.00	1,269,197.00	1,110,657.06	0.00	158,539.94	76.45
TOTAL EXPENDITURES - ALL FUNDS								
TOTAL EXPENDITURES - ALL FUNDS		1,901,955.16	1,269,197.00	1,269,197.00	970,307.57	0.00	298,889.43	76.45
NET OF REVENUES & EXPENDITURES		(725,731.89)	0.00	0.00	140,349.49	0.00	(140,349.49)	100.00

09/08/2016 01:16 PM  
 User: SHERRIE  
 DB: Union

CHECK REGISTER FOR CHARTER TOWNSHIP OF UNION  
 CHECK DATE FROM 08/17/2016 - 09/20/2016

Check Date	Bank	Check	Vendor	Vendor Name	Description	Amount
Bank 248 EDDA CHECKING						
08/30/2016	248	15 (E)	00146	CONSUMERS ENERGY PAYMENT CENTER	2027 FLORENCE ST	28.86
					4923 E PICKARD ST	33.22
					4675 E PICKARD ST	30.98
					4592 E PICKARD ST #B	23.27
					4592 E PICKARD ST #A	49.56
					5771 E PICKARD RD #B	23.13
					5771 E PICKARD RD #A	41.67
					5770 E PICKARD ST #B	23.13
					5770 E PICKARD ST #A	45.73
					5325 E PICKARD ST	79.15
					2029 2ND ST	74.77
					5157 E PICKARD ST #B	23.27
					5157 E PICKARD ST #A	38.24
					4900 E PICKARD ST	30.66
					1940 S ISABELLA RD	41.99
						<u>587.63</u>
09/20/2016	248	3918	01358	21ST CENTURY MEDIA-MICHIGAN	AD FOR MANHOLE REHAB BID	193.00
09/20/2016	248	3919	01217	CENTRAL MICHIGAN LAWN SPRINKLERS	REPAIR IRRIGATION SYSTEM	554.50
09/20/2016	248	3920	01004	I-DEAL ASPHALT SEALCOATING INC.	JAMESON PARK - PARKING LOT REPAIR	4,543.00
09/20/2016	248	3921	00333	ISABELLA COUNTY ROAD COMMISSION	ENTERPRISE DRIVE - HYDE RD	337,534.96
09/20/2016	248	3922	00450	M M I	PARK BENCH GROUND MAINTENANCE	246.75
09/20/2016	248	3923	01502	MEDIA GRAPHIX	BANNER DESIGN FEE	48.00
09/20/2016	248	3924	01244	MOUNT PLEASANT AREA CVB	2016 PURE MICHIGAN CAMPAIGN	5,000.00
09/20/2016	248	3925	00530	PLEASANT THYME HERB FARM	WEEDING PRUNING WATER BASKETS MULCHING	2,940.00
09/20/2016	248	3926	00649	THIELEN TURF IRRIGATION, INC.	M20 IRRIGATION REPAIRS	77.30
<b>248 TOTALS:</b>						
Total of 10 Checks:						351,725.14
Less 0 Void Checks:						0.00
Total of 10 Disbursements:						<u>351,725.14</u>

Check Date	Bank	Check	Vendor	Vendor Name	Amount
Bank 248 EDDA CHECKING					
08/30/2016	248	15 (E)	00146	CONSUMERS ENERGY PAYMENT CENTER	587.63
09/20/2016	248	3918	01358	21ST CENTURY MEDIA-MICHIGAN	193.00
09/20/2016	248	3919	01217	CENTRAL MICHIGAN LAWN SPRINKLERS	554.50
09/20/2016	248	3920	01004	I-DEAL ASPHALT SEALCOATING INC.	4,543.00
09/20/2016	248	3921	00333	ISABELLA COUNTY ROAD COMMISSION	337,534.96
09/20/2016	248	3922	00450	M M I	246.75
09/20/2016	248	3923	01502	MEDIA GRAPHIX	48.00
09/20/2016	248	3924	01244	MOUNT PLEASANT AREA CVB	5,000.00
09/20/2016	248	3925	00530	PLEASANT THYME HERB FARM	2,940.00
09/20/2016	248	3926	00649	THIELEN TURF IRRIGATION, INC.	77.30

248 TOTALS:

Total of 10 Checks:	351,725.14
Less 0 Void Checks:	0.00
Total of 10 Disbursements:	<u>351,725.14</u>



Isabella CRC

# Construction Pay Estimate Report

12/22/2015 12:49 PM

FieldManager 5.1a

**Contract:** .493-014-421433, 0.87 mi of road reconstruction, including hma base crushin

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
12/22/2015	6	Patrick J Gaffney	Semi-Monthly	No		09/08/2015
<b>Prime Contractor</b> Central Michigan Contracting, Inc.				<b>Managing Office</b> Isabella County Road Commission		

## Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
Driveway, Nonreinf Conc, 6 inch	8010005	0205	493-014-4214	0000	0205	00	000	368.670	\$12,903.45
HMA Approach	5010061	0195	493-014-4214	0000	0195	00	000	223.590	\$26,830.80
HMA Surface, Rem	5010005	0180	493-014-4214	0000	0180	00	000	101.940	\$203.88
Subgrade Undercutting, Type II	2050041	0035	493-014-4214	0000	0035	00	000	725.930	\$12,340.81
<b>Total Estimated Item Payment:</b>								<b>\$52,278.94</b>	

## Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
<b>Total Liquidated Damages:</b>				<b>\$0</b>

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
493-014-42143, 0.87 mi of road reconstruction, including hma base crushing	0006	\$52,278.94	\$0.00	\$52,278.94
<b>Voucher Total:</b>				<b>\$52,278.94</b>

## Summary

Current Voucher Total:	\$52,278.94	Earnings to date:	\$844,180.73
-Current Retainage:	\$0.00	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$52,278.94</b>	Net Earnings to date:	\$844,180.73
		- Payments to date:	\$791,901.79
		<b>Net Earnings this period:</b>	<b>\$52,278.94</b>





# Construction Pay Estimate Report

## Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document. I also certify the prime contractor is meeting all requirements for minority percentages and the payrolls are current.

\_\_\_\_\_  
Patrick J. Gaffney, P. E. (Project Engineer) and/or

22 Dec 2015

(Date)

\_\_\_\_\_  
Tony Casali - Manager

\_\_\_\_\_  
(Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 6

12/22/2015 12:49 PM  
FieldManager 5.1a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
_ Bi-axial, Geogrid	3087011	0335	493-014-42143	0000	840.670	840.670	840.670	840.670	100%	3.50000	\$2,942.35
_ San. Sewer CI A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-42143	0000	0.000	0.000	0.000	90.000		0.00000	
<b>Quantity Withheld: 90.000</b>											
_ Water Main Conflict, 12	8237050	0300	493-014-42143	0000	2.000	2.000	2.000	2.000	100%	2,500.00000	\$5,000.00
_ Water Main Conflict, 4	8237050	0305	493-014-42143	0000	1.000	1.000	1.000	1.000	100%	3,000.00000	\$3,000.00
_ Water Main Conflict, 6	8237050	0310	493-014-42143	0000	1.000	1.000	0.000	3,200.00000		3,200.00000	
_ Water Main Conflict, 8	8237050	0315	493-014-42143	0000	2.000	2.000	2.000	2.000	100%	3,540.00000	\$7,080.00
Aggregate Base	3020001	0055	493-014-42143	0000	1,133.000	827.750	827.750	827.750	73%	12.00000	\$9,933.00
Approach, CI I, 6 inch	3070008	0065	493-014-42143	0000	2,760.000	0.000	0.000	4.50000		4.50000	
Barr, TypeIII, HighInten, DblSided, Ltd, 8120012	0240	0240	493-014-42143	0000	8.000	8.000	8.000	8.000	100%	35.00000	\$280.00
Barr, TypeIII, HighInten, DblSided, Ltd, 8120013	0245	0245	493-014-42143	0000	8.000	8.000	8.000	8.000	100%	1.00000	\$8.00
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	493-014-42143	0000	510.000	0.000	0.000	49.00000		49.00000	
Culv End Sect, Conc, 15 inch	4010048	0070	493-014-42143	0000	3.000	3.000	3.000	3.000	100%	450.00000	\$1,350.00
Culv End Sect, Grate	4010083	0075	493-014-42143	0000	69.000	69.000	69.000	69.000	100%	2.25000	\$155.25
Culv, Rem, Less than 24 inch	2030001	0010	493-014-42143	0000	32.000	24.000	24.000	24.000	75%	100.00000	\$2,400.00
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-42143	0000	9,588.000	8,894.100	8,894.100	8,894.100	93%	14.00000	\$124,517.40
Curb and Gutter, Rem	2040020	0015	493-014-42143	0000	375.000	250.000	250.000	250.000	67%	2.00000	\$500.00
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-42143	0000	4.000	0.000	0.000	300.00000		300.00000	
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-42143	0000	19.000	3.000	3.000	200.00000	16%	200.00000	\$600.00
Dr Structure Cover, Type B	4030010	0115	493-014-42143	0000	4.000	0.000	0.000	550.00000		550.00000	
Dr Structure Cover, Type D	4030025	0120	493-014-42143	0000	4.000	1.000	1.000	690.00000	25%	690.00000	\$690.00
Dr Structure Cover, Type E	4030035	0125	493-014-42143	0000	16.000	12.000	12.000	450.00000	75%	450.00000	\$5,400.00
Dr Structure Cover, Type K	4030050	0130	493-014-42143	0000	31.000	31.000	31.000	750.00000	113%	750.00000	\$23,250.00
<b>Quantity Withheld: 4.000</b>											
Dr Structure, 24 inch dia	4030200	0135	493-014-42143	0000	27.000	23.000	23.000	23.000	85%	900.00000	\$20,700.00
Dr Structure, 48 inch dia	4030210	0140	493-014-42143	0000	23.000	23.000	23.000	26.000	113%	1,300.00000	\$29,900.00
<b>Quantity Withheld: 3.000</b>											

Estimate: 6

**Contract: .493-014-421433**



# Construction Pay Estimate Amount Balance Report

Estimate: 6

12/22/2015 12:49 PM

Isabella CRC

FieldManager 5.1a

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Dr Structure, 60 inch dia	4030220	0145	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	3,000.00000	\$3,000.00
Dr Structure, 72 inch dia	4030230	0320	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	3,700.00000	\$3,700.00
Dr Structure, Tap, 12 inch	4030312	0155	493-014-4214	0000	5,000	5,000	5,000	8,000	160%	500.00000	\$2,500.00
<b>Quantity Withheld: 3,000</b>											
Dr Structure, Tap, 15 inch	4030315	0160	493-014-4214	0000	2,000	2,000	2,000	5,000	250%	800.00000	\$1,600.00
<b>Quantity Withheld: 3,000</b>											
Dr Structure, Tap, 18 inch	4030318	0165	493-014-4214	0000	1,000	1,000	1,000	3,000	300%	1,500.00000	\$1,500.00
<b>Quantity Withheld: 2,000</b>											
Dr Structure, Tap, 6 inch	4030306	0150	493-014-4214	0000	14,000	14,000	14,000	27,000	193%	500.00000	\$7,000.00
<b>Quantity Withheld: 13,000</b>											
Driveway Opening, Conc, Det M	8020050	0215	493-014-4214	0000	267,000	267,000	212,400	212,400	80%	17.00000	\$3,610.80
Driveway, Nonreinf Conc, 6 inch	8010005	0205	493-014-4214	0000	555,900	368,670	555,900	555,900	100%	35.00000	\$19,456.50
Embankment, CIP	2050010	0025	493-014-4214	0000	4,000,000	4,000,000	4,000,000	4,000,000	100%	4.00000	\$16,000.00
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	493-014-4214	0000	63,000	63,000	14,000	14,000	22%	50.00000	\$700.00
Erosion Control, Silt Fence	2080036	0045	493-014-4214	0000	300,000	300,000	0,000	0,000		2.00000	
Excavation, Earth	2050016	0030	493-014-4214	0000	9,441,000	9,441,000	5,856,210	5,856,210	62%	2.00000	\$11,712.42
Fence, Rem	2040025	0325	493-014-4214	0000	248,000	248,000	248,000	248,000	100%	5.00000	\$1,240.00
Geotextile, Separator	3080005	0330	493-014-4214	0000	840,000	840,000	840,000	840,670	100%	1.50000	\$1,260.00
<b>Quantity Withheld: 0.670</b>											
HMA Approach	5010061	0195	493-014-4214	0000	617,110	223,590	617,110	617,110	100%	120.00000	\$74,053.20
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	13,459,000	13,459,000	6,720,250	6,720,250	50%	2.00000	\$13,440.50
HMA Surface, Rem	5010005	0180	493-014-4214	0000	2,739,940	101,940	2,739,940	2,739,940	100%	2.00000	\$5,479.88
HMA, 3C	5010031	0185	493-014-4214	0000	1,264,000	1,264,000	1,134,610	1,134,610	90%	58.00000	\$65,807.38
HMA, 4C	5010032	0190	493-014-4214	0000	1,264,000	1,264,000	0,000	0,000		64.00000	
Lighted Arrow, Type A, Furn	8120120	0250	493-014-4214	0000	1,000	1,000	0,000	0,000		500.00000	
Lighted Arrow, Type A, Oper	8120121	0255	493-014-4214	0000	1,000	1,000	0,000	100,000		100.00000	
Mh, Precast Tee, II, 42 inch	4030542	0170	493-014-4214	0000	2,000	2,000	2,000	2,000	100%	3,000.00000	\$6,000.00
Minor Traf Devices	8120170	0260	493-014-4214	0000	1,000	1,000	0,800	0,800	80%	1,000.00000	\$800.00

Estimate: 6

Contract: 493-014-421433



# Construction Pay Estimate Amount Balance Report

Estimate: 6

12/22/2015 12:49 PM  
FieldManager 5.1a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Mobilization, Max. \$55,000	1500001	0005	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	55,000.00000	\$55,000.00
Mobilization, Max. \$55,000											
Pavt, Rem	2040050	0020	493-014-4214	0000	599,000	599,000	197,510	197,510	33%	3,00000	\$592,53
Plastic Drum, High Intensity, Furn	8120250	0265	493-014-4214	0000	50,000	50,000	50,000	50,000	100%	20,00000	\$1,000,00
Plastic Drum, High Intensity, Oper	8120251	0270	493-014-4214	0000	50,000	50,000	50,000	50,000	100%	1,00000	\$50,00
Post, Steel, 3 lb	8100371	0220	493-014-4214	0000	84,000	84,000	0,000	0,000		4,00000	
Riprap, Plain	8130010	0285	493-014-4214	0000	25,720	25,720	25,720	25,720	100%	55,00000	\$1,414,60
Sewer, C/A, 12 inch, Tr Det B	4020033	0080	493-014-4214	0000	481,800	481,800	481,800	689,400	143%	54,00000	\$26,017,20
<b>Quantity Withheld: 207,600</b>											
Sewer, C/A, 15 inch, Tr Det B	4020034	0085	493-014-4214	0000	1,915,400	1,915,400	1,915,400	1,956,900	102%	56,00000	\$107,262,40
<b>Quantity Withheld: 41,500</b>											
Sewer, C/A, 18 inch, Tr Det B	4020035	0090	493-014-4214	0000	1,275,100	1,275,100	1,201,200	1,201,200	94%	59,00000	\$70,870,80
Sewer, C/A, 24 inch, Tr Det B	4020036	0095	493-014-4214	0000	206,300	206,300	206,300	220,000	107%	65,00000	\$13,409,50
<b>Quantity Withheld: 13,700</b>											
Sewer, C/A, 42 inch, Tr Det B	4020039	0100	493-014-4214	0000	454,800	454,800	439,500	439,500	97%	105,00000	\$46,147,50
Sign, Type B, Temp, Prismatic, Furn	8120350	0275	493-014-4214	0000	450,000	450,000	312,500	312,500	69%	5,00000	\$1,562,50
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	493-014-4214	0000	450,000	450,000	312,500	312,500	69%	1,00000	\$312,50
Sign, Type III, Erect, Salv	8100402	0225	493-014-4214	0000	1,000	1,000	0,000	0,000		100,00000	
Sign, Type III, Rem	8100403	0230	493-014-4214	0000	6,000	6,000	4,000	4,000	67%	20,00000	\$80,00
Sign, Type IIIA	8100404	0235	493-014-4214	0000	35,000	35,000	0,000	0,000		20,00000	
Slope Restoration, Type A	8160100	0290	493-014-4214	0000	20,860,000	20,860,000	0,000	0,000		2,50000	
Subbase, CIP	3010002	0050	493-014-4214	0000	6,196,000	6,196,000	1,924,080	1,924,080	31%	4,00000	\$7,696,32
Subgrade Undercutting, Type II	2050041	0035	493-014-4214	0000	1,262,600	725,930	1,262,600	1,262,600	100%	17,00000	\$21,464,20
Underdrain, Subbase, 6 inch	4040063	0175	493-014-4214	0000	9,492,000	9,492,000	7,630,000	7,630,000	80%	1,80000	\$13,734,00

Contract: 493-014-421433

Estimate: 6

Page 3 of 4



# Construction Pay Estimate Amount Balance Report

Estimate: 6

12/22/2015 12:49 PM

Isabella CRC

FieldManager 5.1a

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Water Serv, Conflict	8230250	0295	493-014-4214	0000	3.000		2.000	2.000	67%	500.00000	\$1,000.00
<b>Percentage of Contract Completed(curr): 76%</b>											
<b>(total paid to date / total of all authorized work)</b>											
<b>Total Amount Paid This Estimate: \$52,278.94</b>											
<b>Total Amount Paid To Date: \$844,180.73</b>											

Contract: 493-014-421433

Estimate: 6

Page 4 of 4



# Insufficient Materials Report

Estimate: 6

12/22/2015 12:49 PM

FieldManager 5.1a

Isabella CRC

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**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**



Isabella CRC

# Construction Pay Estimate Report

04/26/2016 4:30 PM

FieldManager 5.1a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushin**

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
04/19/2016	7	Patrick J Gaffney	Semi-Monthly	No		09/08/2015
<b>Prime Contractor</b> Central Michigan Contracting, Inc.				<b>Managing Office</b> Isabella County Road Commission		

## Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
Culv, Rem, Less than 24 inch	2030001	0010	493-014-4214	0000	0010	00	000	1.000	\$100.00
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-4214	0000	0210	00	000	653.000	\$9,142.00
Curb and Gutter, Rem	2040020	0015	493-014-4214	0000	0015	00	000	28.000	\$56.00
Dr Structure Cover, Type B	4030010	0115	493-014-4214	0000	0115	00	000	4.000	\$2,200.00
Dr Structure, 24 inch dia	4030200	0135	493-014-4214	0000	0135	00	000	1.000	\$900.00
Excavation, Earth	2050016	0030	493-014-4214	0000	0030	00	000	534.440	\$1,068.88
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	0060	00	000	381.250	\$762.50
Lighted Arrow, Type A, Furn	8120120	0250	493-014-4214	0000	0250	00	000	1.000	\$500.00
Lighted Arrow, Type A, Oper	8120121	0255	493-014-4214	0000	0255	00	000	1.000	\$100.00
Pavt, Rem	2040050	0020	493-014-4214	0000	0020	00	000	97.780	\$293.34
Sign, Type B, Temp, Prismatic, Furn	8120350	0275	493-014-4214	0000	0275	00	000	137.500	\$687.50
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	493-014-4214	0000	0280	00	000	137.500	\$137.50
Subbase, CIP	3010002	0050	493-014-4214	0000	0050	00	000	133.330	\$533.32
Underdrain, Subbase, 6 inch	4040063	0175	493-014-4214	0000	0175	00	000	650.000	\$1,170.00

**Total Estimated Item Payment: \$17,651.04**

## Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
<b>Total Liquidated Damages:</b>				<b>\$0</b>

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
493-014-42143, 0.87 mi of road reconstruction, including hma base crushing	0007	\$17,651.04	\$0.00	\$17,651.04
<b>Voucher Total:</b>				<b>\$17,651.04</b>



Isabella CRC

# Construction Pay Estimate Report

04/26/2016 4:30 PM

FieldManager 5.1a

## Summary

Current Voucher Total:	\$17,651.04	Earnings to date:	\$861,831.77
-Current Retainage:	\$0.00	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$17,651.04</b>	<b>Net Earnings to date:</b>	<b>\$861,831.77</b>
		- Payments to date:	\$844,180.73
		<b>Net Earnings this period:</b>	<b>\$17,651.04</b>

## Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document. I also certify the prime contractor is meeting all requirements for minority percentages and the payrolls are current.

Patrick J. Gaffney, P. E. (Project Engineer) and/or

26 Apr 2016

(Date)

Tony Casali - Manager

(Date)





# Construction Pay Estimate Amount Balance Report

Estimate: 7

04/26/2016 4:30 PM  
FieldManager 5.1a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
- Bi-axial, Geogrid	3087011	0335	493-014-42143	0000	840.670	840.670	840.670	840.670	100%	3.50000	\$2,942.35
- San. Sewer, CI A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-42143	0000	0.000	0.000	0.000	90.000		0.00000	
<b>Quantity Withheld: 90.000</b>											
- Water Main Conflict, 12	8237050	0300	493-014-42143	0000	2.000	2.000	2.000	2.000	100%	2,500.00000	\$5,000.00
- Water Main Conflict, 4	8237050	0305	493-014-42143	0000	1.000	1.000	1.000	1.000	100%	3,000.00000	\$3,000.00
- Water Main Conflict, 6	8237050	0310	493-014-42143	0000	1.000	1.000	0.000			3,200.00000	
- Water Main Conflict, 8	8237050	0315	493-014-42143	0000	2.000	2.000	2.000	2.000	100%	3,540.00000	\$7,080.00
Aggregate Base	3020001	0055	493-014-42143	0000	1,133.000	1,133.000	827.750	827.750	73%	12.00000	\$9,933.00
Approach, CI I, 6 inch	3070008	0065	493-014-42143	0000	2,760.000	2,760.000	0.000			4.50000	
Barr, Typelll,Highinten,DbISided, Ltd, 8120012	0240	0240	493-014-42143	0000	8.000	8.000	8.000	8.000	100%	35.00000	\$280.00
Barr, Typelll,Highinten,DbISided, Ltd, 8120013	0245	0245	493-014-42143	0000	8.000	8.000	8.000	8.000	100%	1.00000	\$8.00
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	493-014-42143	0000	510.000	510.000	0.000	97.780	19%	49.00000	
<b>Quantity Withheld: 97.780</b>											
Culv End Sect, Conc, 15 inch	4010048	0070	493-014-42143	0000	3.000	3.000	3.000	3.000	100%	450.00000	\$1,350.00
Culv End Sect, Grate	4010083	0075	493-014-42143	0000	69.000	69.000	69.000	69.000	100%	2.25000	\$155.25
Culv, Rem, Less than 24 inch	2030001	0010	493-014-42143	0000	32.000	1.000	25.000	25.000	78%	100.00000	\$2,500.00
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-42143	0000	9,588.000	653.000	9,547.100	9,547.100	99%	14.00000	\$133,659.40
Curb and Gutter, Rem	2040020	0015	493-014-42143	0000	375.000	28.000	278.000	278.000	74%	2.00000	\$556.00
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-42143	0000	4.000	4.000	0.000			300.00000	
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-42143	0000	19.000	19.000	3.000	3.000	16%	200.00000	\$600.00
Dr Structure Cover, Type B	4030010	0115	493-014-42143	0000	4.000	4.000	4.000	4.000	100%	550.00000	\$2,200.00
Dr Structure Cover, Type D	4030025	0120	493-014-42143	0000	4.000	4.000	1.000	1.000	25%	690.00000	\$690.00
Dr Structure Cover, Type E	4030035	0125	493-014-42143	0000	16.000	16.000	12.000	12.000	75%	450.00000	\$5,400.00
Dr Structure Cover, Type K	4030050	0130	493-014-42143	0000	31.000	31.000	31.000	35.000	113%	750.00000	\$23,250.00
<b>Quantity Withheld: 4.000</b>											
Dr Structure, 24 inch dia	4030200	0135	493-014-42143	0000	27.000	1.000	24.000	24.000	89%	900.00000	\$21,600.00

**Contract: .493-014-421433**

**Estimate: 7**



# Construction Pay Estimate Amount Balance Report

Estimate: 7

04/26/2016 4:30 PM  
FieldManager 5.1a

Isabella CRC

Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Dr Structure, 48 inch dia	4030210 0140	493-014-4214	0000	23.000	23.000	23.000	28.000	122%	1,300.00000	\$29,900.00
Quantity Withheld: 5.000										
Dr Structure, 60 inch dia	4030220 0145	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	3,000.00000	\$3,000.00
Dr Structure, 72 inch dia	4030230 0320	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	3,700.00000	\$3,700.00
Dr Structure, Tap, 12 inch	4030312 0155	493-014-4214	0000	5.000	5.000	5.000	9.000	180%	500.00000	\$2,500.00
Quantity Withheld: 4.000										
Dr Structure, Tap, 15 inch	4030315 0160	493-014-4214	0000	2.000	2.000	2.000	5.000	250%	800.00000	\$1,600.00
Quantity Withheld: 3.000										
Dr Structure, Tap, 18 inch	4030318 0165	493-014-4214	0000	1.000	1.000	1.000	3.000	300%	1,500.00000	\$1,500.00
Quantity Withheld: 2.000										
Dr Structure, Tap, 6 inch	4030306 0150	493-014-4214	0000	14.000	14.000	14.000	29.000	207%	500.00000	\$7,000.00
Quantity Withheld: 15.000										
Driveway Opening, Conc, Det M	8020050 0215	493-014-4214	0000	267.000	267.000	212.400	212.400	80%	17.00000	\$3,610.80
Driveway, Nonreinf Conc, 6 inch	8010005 0205	493-014-4214	0000	555.900	555.900	555.900	702.890	126%	35.00000	\$19,456.50
Quantity Withheld: 146.990										
Embankment, CIP	2050010 0025	493-014-4214	0000	4,000.000	4,000.000	4,000.000	4,000.000	100%	4.00000	\$16,000.00
Ero Con, Inlet Protection, Fabric Drop	2080020 0040	493-014-4214	0000	63.000	63.000	14.000	14.000	22%	50.00000	\$700.00
Erosion Control, Silt Fence	2080036 0045	493-014-4214	0000	300.000	300.000	0.000	0.000		2.00000	
Excavation, Earth	2050016 0030	493-014-4214	0000	9,441.000	534.440	6,390.650	6,390.650	68%	2.00000	\$12,781.30
Fence, Rem	2040025 0325	493-014-4214	0000	248.000	248.000	248.000	248.000	100%	5.00000	\$1,240.00
Geotextile, Separator	3080005 0330	493-014-4214	0000	840.000	840.000	840.000	840.670	100%	1.50000	\$1,260.00
Quantity Withheld: 0.670										
HMA Approach	5010061 0195	493-014-4214	0000	617.110	617.110	617.110	617.110	100%	120.00000	\$74,053.20
HMA Base Crushing and Shaping	3050002 0060	493-014-4214	0000	13,459.000	381.250	7,101.500	7,101.500	53%	2.00000	\$14,203.00
HMA Surface, Rem	5010005 0180	493-014-4214	0000	2,739.940	2,739.940	2,739.940	2,739.940	100%	2.00000	\$5,479.88
HMA, 3C	5010031 0185	493-014-4214	0000	1,264.000	1,264.000	1,134.610	1,134.610	90%	58.00000	\$65,807.38
HMA, 4C	5010032 0190	493-014-4214	0000	1,264.000	1,264.000	0.000	0.000		64.00000	
Lighted Arrow, Type A, Furn	8120120 0250	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	500.00000	\$500.00

Estimate: 7

Contract: 493-014-421433



# Construction Pay Estimate Amount Balance Report

Estimate: 7

04/26/2016 4:30 PM  
FieldManager 5.1a

Isabella CRC

Item Code	Prop. Line	Item Description	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
8120121	0255	Lighted Arrow, Type A, Oper	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	100.00000	\$100.00
4030542	0170	Mh, Precast Tee, II, 42 inch	493-014-4214	0000	2,000	2,000	2,000	2,000	100%	3,000.00000	\$6,000.00
8120170	0260	Minor Traf Devices	493-014-4214	0000	1,000	0,800	0,800	0,800	80%	1,000.00000	\$800.00
1500001	0005	Mobilization, Max. \$55,000	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	55,000.00000	\$55,000.00
2040050	0020	Pavt, Rem	493-014-4214	0000	599,000	97,780	295,290	295,290	49%	3.00000	\$885.87
8120250	0265	Plastic Drum, High Intensity, Furn	493-014-4214	0000	50,000	50,000	50,000	50,000	100%	20.00000	\$1,000.00
8120251	0270	Plastic Drum, High Intensity, Oper	493-014-4214	0000	50,000	50,000	50,000	50,000	100%	1.00000	\$50.00
8100371	0220	Post, Steel, 3 lb	493-014-4214	0000	84,000	0,000	0,000	0,000		4.00000	
8130010	0285	Riprap, Plain	493-014-4214	0000	25,720	25,720	25,720	25,720	100%	55.00000	\$1,414.60
4020033	0080	Sewer, CI A, 12 inch, Tr Det B	493-014-4214	0000	481,800	481,800	481,800	719,900	149%	54.00000	\$26,017.20
4020034	0085	<b>Quantity Withheld:</b> 238,100 Sewer, CI A, 15 inch, Tr Det B	493-014-4214	0000	1,915,400	1,915,400	1,915,400	1,956,900	102%	56.00000	\$107,262.40
4020035	0090	<b>Quantity Withheld:</b> 41,500 Sewer, CI A, 18 inch, Tr Det B	493-014-4214	0000	1,275,100	1,275,100	1,201,200	1,201,200	94%	59.00000	\$70,870.80
4020036	0095	Sewer, CI A, 24 inch, Tr Det B	493-014-4214	0000	206,300	206,300	206,300	220,000	107%	65.00000	\$13,409.50
4020039	0100	<b>Quantity Withheld:</b> 13,700 Sewer, CI A, 42 inch, Tr Det B	493-014-4214	0000	454,800	454,800	439,500	439,500	97%	105.00000	\$46,147.50
8120350	0275	Sign, Type B, Temp, Prismatic, Furn	493-014-4214	0000	450,000	137,500	450,000	481,500	107%	5.00000	\$2,250.00
8120351	0280	<b>Quantity Withheld:</b> 31,500 Sign, Type B, Temp, Prismatic, Oper	493-014-4214	0000	450,000	137,500	450,000	481,500	107%	1.00000	\$450.00
8100402	0225	<b>Quantity Withheld:</b> 31,500 Sign, Type III, Erect, Salv	493-014-4214	0000	1,000	1,000	0,000	0,000		100.00000	
8100403	0230	Sign, Type III, Rem	493-014-4214	0000	6,000	6,000	4,000	4,000	67%	20.00000	\$80.00
8100404	0235	Sign, Type IIIA	493-014-4214	0000	35,000	35,000	0,000	0,000		20.00000	
8160100	0290	Slope Restoration, Type A	493-014-4214	0000	20,860,000	20,860,000	0,000	0,000		2.50000	
3010002	0050	Subbase, CIP	493-014-4214	0000	6,196,000	133,330	2,057,410	2,057,410	33%	4.00000	\$8,229.64

**Contract:** 493-014-421433

**Estimate:** 7

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# Construction Pay Estimate Amount Balance Report

Estimate: 7

04/26/2016 4:30 PM

FieldManager 5.1a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Subgrade Undercutting, Type II	2050041	0035	493-014-4214	0000	1,262.600		1,262.600	1,262.600	100%	17.00000	\$21,464.20
Underdrain, Subbase, 6 inch	4040063	0175	493-014-4214	0000	9,492.000	650.000	8,280.000	8,280.000	87%	1.80000	\$14,904.00
Water Serv. Conflict	8230250	0295	493-014-4214	0000	3.000		2.000	2.000	67%	500.00000	\$1,000.00
<b>Percentage of Contract Completed(curr): 78%</b>											
<b>(total paid to date / total of all authorized work)</b>											
<b>Total Amount Paid This Estimate: \$17,651.04</b>											
<b>Total Amount Paid To Date: \$861,831.77</b>											

Contract: 493-014-421433

Estimate: 7

Page 4 of 4



# Insufficient Materials Report

Estimate: 7

04/26/2016 4:30 PM

FieldManager 5.1a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

**Item:** Conc Pavt, Misc, Reinf, 9 inch

**Code:** 6020076

**Prop. Line:** 0200

**Quantity this Estimate:** 0.000

**Dollar Amount this Estimate:** \$0.00

**Allowable Quantity:** 97.780

**Allowable Dollar Amount:** \$4,791.22

Material Description	Usage Factor	Total Quantity Approved	Total Quantity Used	Total Quantity Available	Other Items
Steel Reinf, Pavement Mesh	0.8700 Syd/Syd	.00	85.07	-85.07	No

**Total Dollar Amount This Estimate of Items With Insufficient Materials:** \$0.00

**Total Allowable Dollar Amount of Items With Insufficient Materials:** \$4,791.22



Isabella CRC

# Construction Pay Estimate Report

5/12/2016 1:54 PM

FieldManager 5.1a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushin**

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
05/12/2016	8	Patrick J Gaffney	Semi-Monthly	No		9/8/2015
<b>Prime Contractor</b> Central Michigan Contracting, Inc.				<b>Managing Office</b> Isabella County Road Commission		

## Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
Curb and Gutter, Rem	2040020	0015	493-014-4214	0000	0015	00	000	8.000	\$16.00
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	493-014-4214	0000	0040	00	000	4.000	\$200.00
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	0060	00	000	1,143.750	\$2,287.50
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-4214	0000	0105	00	000	1.000	\$300.00
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-4214	0000	0110	00	000	3.000	\$600.00
Dr Structure Cover, Type E	4030035	0125	493-014-4214	0000	0125	00	000	1.000	\$450.00
HMA, 4C	5010032	0190	493-014-4214	0000	0190	00	000	1,264.000	\$80,896.00
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	493-014-4214	0000	0200	00	000	97.780	\$4,791.22
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-4214	0000	0210	00	000	40.900	\$572.60
Minor Traf Devices	8120170	0260	493-014-4214	0000	0260	00	000	0.200	\$200.00
Slope Restoration, Type A	8160100	0290	493-014-4214	0000	0290	00	000	18,629.110	\$46,572.78

**Total Estimated Item Payment: \$136,886.10**

## Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
<b>Total Liquidated Damages:</b>				<b>\$0</b>

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
493-014-42143, 0.87 mi of road reconstruction, including hma base crushing	0008	\$136,886.10	\$0.00	\$136,886.10
<b>Voucher Total:</b>				<b>\$136,886.10</b>



# Construction Pay Estimate Report

## Summary

Current Voucher Total:	\$136,886.10	Earnings to date:	\$998,717.87
-Current Retainage:	\$0.00	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$136,886.10</b>	<b>Net Earnings to date:</b>	<b>\$998,717.87</b>
		- Payments to date:	\$861,831.77
		<b>Net Earnings this period:</b>	<b>\$136,886.10</b>

## Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document. I also certify the prime contractor is meeting all requirements for minority percentages and the payrolls are current.

Patrick J. Gaffney, P. E. (Project Engineer) and/or

12 May 2016

(Date)

Tony Casali - Manager

(Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 8

5/12/2016 1:54 PM  
FieldManager 5.1a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
- Bi-axial, Geogrid	3087011	0335	493-014-4214	0000	840.670	840.670	840.670	840.670	100%	3.50000	\$2,942.35
- Crushed Concrete	3027031	0350	493-014-4214	0000	0.000	0.000	0.000	179.080		0.00000	
Quantity Withheld: 179.080											
- Hydrant, Adj	8237050	0345	493-014-4214	0000	0.000	0.000	0.000	1.000		0.00000	
Quantity Withheld: 1.000											
- Irrigation System Relocation Hyde Rd Easement Area	8137001	0355	493-014-4214	0000	0.000	0.000	0.000	260.000		0.00000	
Quantity Withheld: 260.000											
- Retaining Wall	8167010	0360	493-014-4214	0000	0.000	0.000	0.000	252.000		0.00000	
Quantity Withheld: 252.000											
- San. Sewer CI A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-4214	0000	0.000	0.000	0.000	90.000		0.00000	
Quantity Withheld: 90.000											
- Water Main Conflict, 12	8237050	0300	493-014-4214	0000	2.000	2.000	2.000	2.000	100%	2,500.00000	\$5,000.00
- Water Main Conflict, 4	8237050	0305	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	3,000.00000	\$3,000.00
- Water Main Conflict, 6	8237050	0310	493-014-4214	0000	1.000	1.000	0.000	3,200.00000		3,200.00000	
- Water Main Conflict, 8	8237050	0315	493-014-4214	0000	2.000	2.000	2.000	2.000	100%	3,540.00000	\$7,080.00
Aggregate Base	3020001	0055	493-014-4214	0000	1,133.000	1,133.000	827.750	827.750	73%	12.00000	\$9,933.00
Approach, CI, 6 inch	3070008	0065	493-014-4214	0000	2,760.000	2,760.000	0.000	4.50000		4.50000	
Barr, TypIII, HighInten, DblSided, Ltd, 8120012	0240	0240	493-014-4214	0000	8.000	8.000	8.000	8.000	100%	35.00000	\$280.00
Barr, TypIII, HighInten, DblSided, Ltd, 8120013	0245	0245	493-014-4214	0000	8.000	8.000	8.000	8.000	100%	1.00000	\$8.00
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	493-014-4214	0000	510.000	97.780	97.780	97.780	19%	49.00000	\$4,791.22
Culv End Sect, Conc, 15 inch	4010048	0070	493-014-4214	0000	3.000	3.000	3.000	3.000	100%	450.00000	\$1,350.00
Culv End Sect, Grate	4010083	0075	493-014-4214	0000	69.000	69.000	69.000	69.000	100%	2.25000	\$155.25
Culv, Rem, Less than 24 inch	2030001	0010	493-014-4214	0000	32.000	32.000	25.000	25.000	78%	100.00000	\$2,500.00
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-4214	0000	9,588.000	40.900	9,588.000	9,603.100	100%	14.00000	\$134,232.00
Quantity Withheld: 15.100											
Curb and Gutter, Rem	2040020	0015	493-014-4214	0000	375.000	8.000	286.000	286.000	76%	2.00000	\$572.00
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-4214	0000	4.000	1.000	1.000	1.000	25%	300.00000	\$300.00

Estimate: 8

**Contract: .493-014-421433**





# Construction Pay Estimate Amount Balance Report

Estimate: 8

5/12/2016 1:54 PM  
FieldManager 5.1a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-4214	0000	19,000	3,000	6,000	6,000	32%	200.00000	\$1,200.00
Dr Structure Cover, Type B	4030010	0115	493-014-4214	0000	4,000		4,000	5,000	125%	550.00000	\$2,200.00
<b>Quantity Withheld: 1,000</b>											
Dr Structure Cover, Type D	4030025	0120	493-014-4214	0000	4,000		1,000	1,000	25%	690.00000	\$690.00
Dr Structure Cover, Type E	4030035	0125	493-014-4214	0000	16,000	1,000	13,000	13,000	81%	450.00000	\$5,850.00
Dr Structure Cover, Type K	4030050	0130	493-014-4214	0000	31,000		31,000	37,000	119%	750.00000	\$23,250.00
<b>Quantity Withheld: 6,000</b>											
Dr Structure, 24 inch dia	4030200	0135	493-014-4214	0000	27,000		24,000	24,000	89%	900.00000	\$21,600.00
Dr Structure, 48 inch dia	4030210	0140	493-014-4214	0000	23,000		23,000	28,000	122%	1,300.00000	\$29,900.00
<b>Quantity Withheld: 5,000</b>											
Dr Structure, 60 inch dia	4030220	0145	493-014-4214	0000	1,000		1,000	1,000	100%	3,000.00000	\$3,000.00
Dr Structure, 72 inch dia	4030230	0320	493-014-4214	0000	1,000		1,000	1,000	100%	3,700.00000	\$3,700.00
Dr Structure, Tap, 12 inch	4030312	0155	493-014-4214	0000	5,000		5,000	9,000	180%	500.00000	\$2,500.00
<b>Quantity Withheld: 4,000</b>											
Dr Structure, Tap, 15 inch	4030315	0160	493-014-4214	0000	2,000		2,000	5,000	250%	800.00000	\$1,600.00
<b>Quantity Withheld: 3,000</b>											
Dr Structure, Tap, 18 inch	4030318	0165	493-014-4214	0000	1,000		1,000	3,000	300%	1,500.00000	\$1,500.00
<b>Quantity Withheld: 2,000</b>											
Dr Structure, Tap, 6 inch	4030306	0150	493-014-4214	0000	14,000		14,000	29,000	207%	500.00000	\$7,000.00
<b>Quantity Withheld: 15,000</b>											
Driveway Opening, Conc, Det M	8020050	0215	493-014-4214	0000	267,000		212,400	212,400	80%	17.00000	\$3,610.80
Driveway, Nonreinf Conc, 6 inch	8010005	0205	493-014-4214	0000	555,900		555,900	702,890	126%	35.00000	\$19,456.50
<b>Quantity Withheld: 146,990</b>											
Embankment, CIP	2050010	0025	493-014-4214	0000	4,000,000		4,000,000	4,000,000	100%	4.00000	\$16,000.00
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	493-014-4214	0000	63,000	4,000	18,000	18,000	29%	50.00000	\$900.00
Erosion Control, Silt Fence	2080036	0045	493-014-4214	0000	300,000		0,000	0,000		2.00000	
Excavation, Earth	2050016	0030	493-014-4214	0000	9,441,000		6,390,650	6,390,650	68%	2.00000	\$12,781.30
Fence, Rem	2040025	0325	493-014-4214	0000	248,000		248,000	248,000	100%	5.00000	\$1,240.00

Contract: .493-014-421433

Estimate: 8

Page 2 of 4



# Construction Pay Estimate Amount Balance Report

Estimate: 8

5/12/2016 1:54 PM  
FieldManager 5.1a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Geotextile, Separator	3080005	0330	493-014-4214	0000	840.000		840.000	840.670	100%	1.50000	\$1,260.00
Quantity Withheld: 0.670											
HMA Approach	5010061	0195	493-014-4214	0000	617.110		617.110	636.430	103%	120.00000	\$74,053.20
Quantity Withheld: 19.320											
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	13,459.000	1,143.750	8,245.250	8,245.250	61%	2.00000	\$16,490.50
HMA Surface, Rem	5010005	0180	493-014-4214	0000	2,739.940		2,739.940	3,166.830	116%	2.00000	\$5,479.88
Quantity Withheld: 426.890											
HMA, 3C	5010031	0185	493-014-4214	0000	1,264.000		1,134.610	1,134.610	90%	58.00000	\$65,807.38
HMA, 4C	5010032	0190	493-014-4214	0000	1,264.000	1,264.000	1,264.000	1,517.100	120%	64.00000	\$80,896.00
Quantity Withheld: 253.100											
Lighted Arrow, Type A, Furn	8120120	0250	493-014-4214	0000	1.000		1.000	1.000	100%	500.00000	\$500.00
Lighted Arrow, Type A, Oper	8120121	0255	493-014-4214	0000	1.000		1.000	1.000	100%	100.00000	\$100.00
Mh, Precast Tee, II, 42 inch	4030542	0170	493-014-4214	0000	2.000		2.000	2.000	100%	3,000.00000	\$6,000.00
Minor Traf Devices	8120170	0260	493-014-4214	0000	1.000	0.200	1.000	1.000	100%	1,000.00000	\$1,000.00
Mobilization, Max. \$55,000	1500001	0005	493-014-4214	0000	1.000		1.000	1.000	100%	55,000.00000	\$55,000.00
Mobilization, Max. \$55,000											
Pavt, Rem	2040050	0020	493-014-4214	0000	599.000		295.290	295.290	49%	3.00000	\$885.87
Plastic Drum, High Intensity, Furn	8120250	0265	493-014-4214	0000	50.000		50.000	50.000	100%	20.00000	\$1,000.00
Plastic Drum, High Intensity, Oper	8120251	0270	493-014-4214	0000	50.000		50.000	50.000	100%	1.00000	\$50.00
Post, Steel, 3 lb	8100371	0220	493-014-4214	0000	84.000		0.000	0.000		4.00000	
Riprap, Plain	8130010	0285	493-014-4214	0000	25.720		25.720	27.720	108%	55.00000	\$1,414.60
Quantity Withheld: 2.000											
Sewer, CI A, 12 inch, Tr Det B	4020033	0080	493-014-4214	0000	481.800		481.800	719.900	149%	54.00000	\$26,017.20
Quantity Withheld: 238.100											
Sewer, CI A, 15 inch, Tr Det B	4020034	0085	493-014-4214	0000	1,915.400		1,915.400	1,956.900	102%	56.00000	\$107,262.40
Quantity Withheld: 41.500											
Sewer, CI A, 18 inch, Tr Det B	4020035	0090	493-014-4214	0000	1,275.100		1,201.200	1,201.200	94%	59.00000	\$70,870.80
Sewer, CI A, 24 inch, Tr Det B	4020036	0095	493-014-4214	0000	206.300		206.300	220.000	107%	65.00000	\$13,409.50
Quantity Withheld: 13.700											

Estimate: 8

Contract: 493-014-421433



# Construction Pay Estimate Amount Balance Report

Estimate: 8

5/12/2016 1:54 PM  
FieldManager 5.1a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Sewer, CI A, 42 inch, Tr Det B	4020039	0100	493-014-4214	0000	454.800	439.500	439.500	439.500	97%	105.00000	\$46,147.50
Sign, Type B, Temp, Prismatic, Furn	8120350	0275	493-014-4214	0000	450.000	450.000	450.000	481.500	107%	5.00000	\$2,250.00
<b>Quantity Withheld: 31.500</b>											
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	493-014-4214	0000	450.000	450.000	450.000	481.500	107%	1.00000	\$450.00
<b>Quantity Withheld: 31.500</b>											
Sign, Type III, Erect, Salv	8100402	0225	493-014-4214	0000	1.000	0.000	0.000	100.00000			
Sign, Type III, Rem	8100403	0230	493-014-4214	0000	6.000	4.000	4.000	4.000	67%	20.00000	\$80.00
Sign, Type IIIA	8100404	0235	493-014-4214	0000	35.000	0.000	0.000	20.00000			
Slope Restoration, Type A	8160100	0290	493-014-4214	0000	20,860.000	18,629.110	18,629.110	18,629.110	89%	2.50000	\$46,572.78
Subbase, CIP	3010002	0050	493-014-4214	0000	6,196.000	2,057.410	2,057.410	2,057.410	33%	4.00000	\$8,229.64
Subgrade Undercutting, Type II	2050041	0035	493-014-4214	0000	1,262.600	1,262.600	1,262.600	1,262.600	100%	17.00000	\$21,464.20
Underdrain, Subbase, 6 inch	4040063	0175	493-014-4214	0000	9,492.000	8,280.000	8,280.000	8,280.000	87%	1.80000	\$14,904.00
Water Serv, Conflict	8230250	0295	493-014-4214	0000	3.000	2.000	2.000	2.000	67%	500.00000	\$1,000.00
<b>Percentage of Contract Completed(curr): 90%</b>											<b>\$136,886.10</b>
(total paid to date / total of all authorized work)											<b>\$998,717.87</b>



# Insufficient Materials Report

Estimate: 8

5/12/2016 1:54 PM

FieldManager 5.1a

Isabella CRC

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**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**



Isabella CRC

# Construction Pay Estimate Report

06/27/2016 3:15 PM

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushin**

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
06/24/2016	9	Patrick J Gaffney	Semi-Monthly	No		09/08/2015
<b>Prime Contractor</b> Central Michigan Contracting, Inc.				<b>Managing Office</b> Isabella County Road Commission		

## Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
_ San Sewer CIA, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-4214	0000	0340	SA	003	90.000	\$3,360.60
_ Hydrant, Adj	8237050	0345	493-014-4214	0000	0345	SA	003	1.000	\$1,240.00
_ Crushed Concrete	3027031	0350	493-014-4214	0000	0350	SA	003	179.080	\$4,477.00
_ Irrigation System Relocation Hyde Rd Easement Area	8137001	0355	493-014-4214	0000	0355	SA	003	260.000	\$990.60
_ Retaining Wall	8167010	0360	493-014-4214	0000	0360	SA	003	252.000	\$12,222.00
<b>Total Estimated Item Payment:</b>									<b>\$22,290.20</b>

## Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
<b>Total Liquidated Damages:</b>				<b>\$0</b>

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
493-014-42143, 0.87 mi of road reconstruction, including hma base crushing	0009	\$22,290.20	\$0.00	\$22,290.20
<b>Voucher Total:</b>				<b>\$22,290.20</b>

## Summary

Current Voucher Total:	\$22,290.20	Earnings to date:	\$1,021,008.07
-Current Retainage:	\$0.00	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$22,290.20</b>	Net Earnings to date:	\$1,021,008.07
		- Payments to date:	\$998,717.87
		<b>Net Earnings this period:</b>	<b>\$22,290.20</b>



# Construction Pay Estimate Report

## Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document. I also certify the prime contractor is meeting all requirements for minority percentages and the payrolls are current.

Patrick J. Gaffney, P. E. (Project Engineer) and/or

(Date)

Tony Casali - Manager

(Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 9

06/27/2016 3:15 PM  
FieldManager 5.2a

Isabella CRC

## Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
- Bi-axial, Geogrid	3087011	0335	493-014-42143	0000	840.670	840.670	840.670	840.670	100%	3.50000	\$2,942.35
- Crushed Concrete	3027031	0350	493-014-42143	0000	179.080	179.080	179.080	179.080	100%	25.00000	\$4,477.00
- Hydrant, Adj	8237050	0345	493-014-42143	0000	1.000	1.000	1.000	1.000	100%	1,240.00000	\$1,240.00
- Irrigation System Relocation Hyde Rd Easement Area	8137001	0355	493-014-42143	0000	260.000	260.000	260.000	260.000	100%	3.81000	\$990.60
- Retaining Wall	8167010	0360	493-014-42143	0000	252.000	252.000	252.000	252.000	100%	48.50000	\$12,222.00
- San. Sewer C/A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-42143	0000	90.000	90.000	90.000	90.000	100%	37.34000	\$3,360.60
- Water Main Conflict, 12	8237050	0300	493-014-42143	0000	2.000	2.000	2.000	2.000	100%	2,500.00000	\$5,000.00
- Water Main Conflict, 4	8237050	0305	493-014-42143	0000	1.000	1.000	1.000	1.000	100%	3,000.00000	\$3,000.00
- Water Main Conflict, 6	8237050	0310	493-014-42143	0000	1.000	1.000	0.000	0.000		3,200.00000	
- Water Main Conflict, 8	8237050	0315	493-014-42143	0000	2.000	2.000	2.000	2.000	100%	3,540.00000	\$7,080.00
Aggregate Base	3020001	0055	493-014-42143	0000	1,133.000	1,133.000	827.750	827.750	73%	12.00000	\$9,933.00
Approach, C/I, 6 inch	3070008	0065	493-014-42143	0000	2,760.000	2,760.000	0.000	0.000		4.50000	
Barr, Typell, Highinten, DbISided, Ltd.	8120012	0240	493-014-42143	0000	8.000	8.000	8.000	8.000	100%	35.00000	\$280.00
Barr, Typell, Highinten, DbISided, Ltd.	8120013	0245	493-014-42143	0000	8.000	8.000	8.000	8.000	100%	1.00000	\$8.00
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	493-014-42143	0000	510.000	510.000	97.780	97.780	19%	49.00000	\$4,791.22
Culv End Sect, Conc, 15 inch	4010048	0070	493-014-42143	0000	3.000	3.000	3.000	3.000	100%	450.00000	\$1,350.00
Culv End Sect, Grate	4010083	0075	493-014-42143	0000	69.000	69.000	69.000	69.000	100%	2.25000	\$155.25
Culv, Rem, Less than 24 inch	2030001	0010	493-014-42143	0000	32.000	32.000	25.000	25.000	78%	100.00000	\$2,500.00
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-42143	0000	9,588.000	9,588.000	9,588.000	9,603.100	100%	14.00000	\$134,232.00
<b>Quantity Withheld: 15.100</b>											
Curb and Gutter, Rem	2040020	0015	493-014-42143	0000	375.000	375.000	286.000	286.000	76%	2.00000	\$572.00
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-42143	0000	4.000	4.000	1.000	1.000	25%	300.00000	\$300.00
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-42143	0000	19.000	19.000	6.000	6.000	32%	200.00000	\$1,200.00
Dr Structure Cover, Type B	4030010	0115	493-014-42143	0000	4.000	4.000	4.000	5.000	125%	550.00000	\$2,200.00
<b>Quantity Withheld: 1.000</b>											
Dr Structure Cover, Type D	4030025	0120	493-014-42143	0000	4.000	4.000	1.000	1.000	25%	690.00000	\$690.00

Estimate: 9

Contract: .493-014-421433



# Construction Pay Estimate Amount Balance Report

Estimate: 9

06/27/2016 3:15 PM  
FieldManager 5.2a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Dr Structure Cover, Type E	4030035	0125	493-014-4214	0000	16 000	13 000	13 000	13 000	81%	450.00000	\$5,850.00
Dr Structure Cover, Type K	4030050	0130	493-014-4214	0000	31 000	31 000	31 000	37 000	119%	750.00000	\$23,250.00
<b>Quantity Withheld: 6 000</b>											
Dr Structure, 24 inch dia	4030200	0135	493-014-4214	0000	27 000	24 000	24 000	24 000	89%	900.00000	\$21,600.00
Dr Structure, 48 inch dia	4030210	0140	493-014-4214	0000	23 000	23 000	23 000	28 000	122%	1,300.00000	\$29,900.00
<b>Quantity Withheld: 5 000</b>											
Dr Structure, 60 inch dia	4030220	0145	493-014-4214	0000	1 000	1 000	1 000	1 000	100%	3,000.00000	\$3,000.00
Dr Structure, 72 inch dia	4030230	0320	493-014-4214	0000	1 000	1 000	1 000	1 000	100%	3,700.00000	\$3,700.00
Dr Structure, Tap, 12 inch	4030312	0155	493-014-4214	0000	5 000	5 000	5 000	9 000	180%	500.00000	\$2,500.00
<b>Quantity Withheld: 4 000</b>											
Dr Structure, Tap, 15 inch	4030315	0160	493-014-4214	0000	2 000	2 000	2 000	5 000	250%	800.00000	\$1,600.00
<b>Quantity Withheld: 3 000</b>											
Dr Structure, Tap, 18 inch	4030318	0165	493-014-4214	0000	1 000	1 000	1 000	3 000	300%	1,500.00000	\$1,500.00
<b>Quantity Withheld: 2 000</b>											
Dr Structure, Tap, 6 inch	4030306	0150	493-014-4214	0000	14 000	14 000	14 000	29 000	207%	500.00000	\$7,000.00
<b>Quantity Withheld: 15 000</b>											
Driveway Opening, Conc, Det M	8020050	0215	493-014-4214	0000	267 000	212 400	212 400	212 400	80%	17.00000	\$3,610.80
Driveway, Nonreinf Conc, 6 inch	8010005	0205	493-014-4214	0000	555 900	555 900	555 900	702 890	126%	35.00000	\$19,456.50
<b>Quantity Withheld: 146 990</b>											
Embankment, C/P	2050010	0025	493-014-4214	0000	4 000 000	4 000 000	4 000 000	4 000 000	100%	4.00000	\$16,000.00
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	493-014-4214	0000	63 000	18 000	18 000	18 000	29%	50.00000	\$900.00
Erosion Control, Silt Fence	2080036	0045	493-014-4214	0000	300 000	0 000	0 000	0 000		2.00000	
Excavation, Earth	2050016	0030	493-014-4214	0000	9,441 000	6,390,650	6,390,650	6,390,650	68%	2.00000	\$12,781.30
Fence, Rem	2040025	0325	493-014-4214	0000	248 000	248 000	248 000	248 000	100%	5.00000	\$1,240.00
Geotextile, Separator	3080005	0330	493-014-4214	0000	840 000	840 000	840 000	840,670	100%	1.50000	\$1,260.00
<b>Quantity Withheld: 0.670</b>											
HMA Approach	5010061	0195	493-014-4214	0000	617.110	617.110	617.110	636,430	103%	120.00000	\$74,053.20
<b>Quantity Withheld: 19.320</b>											
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	13,459 000	8,245,250	8,245,250	8,245,250	61%	2.00000	\$16,490.50

**Contract: 493-014-421433**

**Estimate: 9**

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# Construction Pay Estimate Amount Balance Report

Estimate: 9

06/27/2016 3:15 PM  
FieldManager 5.2a

Isabella CRC

Item Code	Prop. Line	Item Description	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
5010005	0180	HMA Surface, Rem	493-014-4214	0000	2,739,940	2,739,940	2,739,940	3,166,830	116%	2.00000	\$5,479.88
Quantity Withheld: 426,890											
5010031	0185	HMA, 3C	493-014-4214	0000	1,264,000	1,264,000	1,134,610	1,134,610	90%	58.00000	\$65,807.38
5010032	0190	HMA, 4C	493-014-4214	0000	1,264,000	1,264,000	1,264,000	1,517,100	120%	64.00000	\$80,896.00
Quantity Withheld: 253,100											
8120120	0250	Lighted Arrow, Type A, Furn	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	500.00000	\$500.00
8120121	0255	Lighted Arrow, Type A, Oper	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	100.00000	\$100.00
4030542	0170	Mh, Precast Tee, II, 42 inch	493-014-4214	0000	2,000	2,000	2,000	2,000	100%	3,000.00000	\$6,000.00
8120170	0260	Minor Traf Devices	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	1,000.00000	\$1,000.00
1500001	0005	Mobilization, Max. _____	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	55,000.00000	\$55,000.00
Mobilization, Max. \$55,000											
2040050	0020	Pavt, Rem	493-014-4214	0000	599,000	599,000	295,290	295,290	49%	3.00000	\$885.87
8120250	0265	Plastic Drum, High Intensity, Furn	493-014-4214	0000	50,000	50,000	50,000	50,000	100%	20.00000	\$1,000.00
8120251	0270	Plastic Drum, High Intensity, Oper	493-014-4214	0000	50,000	50,000	50,000	50,000	100%	1.00000	\$50.00
8100371	0220	Post, Steel, 3 lb	493-014-4214	0000	84,000	84,000	0.000	0.000		4.00000	
8130010	0285	Riprap, Plain	493-014-4214	0000	25,720	25,720	25,720	27,720	108%	55.00000	\$1,414.60
Quantity Withheld: 2,000											
4020033	0080	Sewer, CI A, 12 inch, Tr Det B	493-014-4214	0000	481,800	481,800	481,800	719,900	149%	54.00000	\$26,017.20
Quantity Withheld: 238,100											
4020034	0085	Sewer, CI A, 15 inch, Tr Det B	493-014-4214	0000	1,915,400	1,915,400	1,915,400	1,956,900	102%	56.00000	\$107,262.40
Quantity Withheld: 41,500											
4020035	0090	Sewer, CI A, 18 inch, Tr Det B	493-014-4214	0000	1,275,100	1,275,100	1,201,200	1,201,200	94%	59.00000	\$70,870.80
4020036	0095	Sewer, CI A, 24 inch, Tr Det B	493-014-4214	0000	206,300	206,300	206,300	220,000	107%	65.00000	\$13,409.50
Quantity Withheld: 13,700											
4020039	0100	Sewer, CI A, 42 inch, Tr Det B	493-014-4214	0000	454,800	454,800	439,500	439,500	97%	105.00000	\$46,147.50
8120350	0275	Sign, Type B, Temp, Prismatic, Furn	493-014-4214	0000	450,000	450,000	450,000	481,500	107%	5.00000	\$2,250.00
Quantity Withheld: 31,500											

Contract: 493-014-421433

Estimate: 9

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# Construction Pay Estimate Amount Balance Report

Estimate: 9

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FieldManager: 5.2a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	493-014-4214	0000	450,000		450,000	481,500	107%	1,00000	\$450,000
<b>Quantity Withheld: 31 500</b>											
Sign, Type III, Erect, Salv	8100402	0225	493-014-4214	0000	1,000		0,000			100,00000	
Sign, Type III, Rem	8100403	0230	493-014-4214	0000	6,000		4,000	4,000	67%	20,00000	\$80,000
Sign, Type IIIA	8100404	0235	493-014-4214	0000	35,000		0,000			20,000000	
Slope Restoration, Type A	8160100	0290	493-014-4214	0000	20,860,000		18,629,110	18,629,110	89%	2,50000	\$46,572,78
Subbase, CIP	3010002	0050	493-014-4214	0000	6,196,000		2,057,410	2,057,410	33%	4,00000	\$8,229,64
Subgrade Undercutting, Type II	2050041	0035	493-014-4214	0000	1,262,600		1,262,600	1,262,600	100%	17,00000	\$21,464,20
Underdrain, Subbase, 6 inch	4040063	0175	493-014-4214	0000	9,492,000		8,280,000	8,280,000	87%	1,80000	\$14,904,00
Water Serv, Conflict	8230250	0295	493-014-4214	0000	3,000		2,000	2,000	67%	500,00000	\$1,000,00
<b>Percentage of Contract Completed(curr): 90%</b>											<b>\$22,290.20</b>
(total paid to date / total of all authorized work)											<b>Total Amount Paid To Date: \$1,021,008.07</b>



# Insufficient Materials Report

Estimate: 9

06/27/2016 3:15 PM

FieldManager 5.2a

Isabella CRC

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**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**



Isabella CRC

# Construction Pay Estimate Report

08/01/2016 12:08 PM

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushin**

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
08/01/2016	10	Patrick J Gaffney	Semi-Monthly	No		09/08/2015
<b>Prime Contractor</b> Central Michigan Contracting, Inc.				<b>Managing Office</b> Isabella County Road Commission		

## Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
Sewer, CI A, 12 inch, Tr Det B	4020033	0080	493-014-4214	0000	0080	00	000	238.100	\$12,857.40
Sewer, CI A, 15 inch, Tr Det B	4020034	0085	493-014-4214	0000	0085	00	000	41.500	\$2,324.00
Sewer, CI A, 24 inch, Tr Det B	4020036	0095	493-014-4214	0000	0095	00	000	13.700	\$890.50
Dr Structure, 48 inch dia	4030210	0140	493-014-4214	0000	0140	00	000	5.000	\$6,500.00
HMA Surface, Rem	5010005	0180	493-014-4214	0000	0180	00	000	426.890	\$853.78
HMA, 4C	5010032	0190	493-014-4214	0000	0190	00	000	253.100	\$16,198.40
HMA Approach	5010061	0195	493-014-4214	0000	0195	00	000	19.320	\$2,318.40
Sign, Type B, Temp, Prismatic, Furn	8120350	0275	493-014-4214	0000	0275	00	000	31.500	\$157.50
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	493-014-4214	0000	0280	00	000	31.500	\$31.50

**Total Estimated Item Payment: \$42,131.48**

## Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
<b>Total Liquidated Damages:</b>				<b>\$0</b>

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
493-014-42143, 0.87 mi of road reconstruction, including hma base crushing	0010	\$42,131.48	\$0.00	\$42,131.48
<b>Voucher Total:</b>				<b>\$42,131.48</b>



# Construction Pay Estimate Report

## Summary

Current Voucher Total:	\$42,131.48	Earnings to date:	\$1,063,139.55
-Current Retainage:	\$0.00	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$42,131.48</b>	<b>Net Earnings to date:</b>	<b>\$1,063,139.55</b>
		- Payments to date:	\$1,021,008.07
		<b>Net Earnings this period:</b>	<b>\$42,131.48</b>

## Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document. I also certify the prime contractor is meeting all requirements for minority percentages and the payrolls are current.

*Patrick J. Gaffney*

Patrick J. Gaffney, P. E. (Project Engineer) and/or

*1 Aug 2016*

(Date)

Tony Casali - Manager

(Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 10

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FieldManager 5.2a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
- Bi-axial, Geogrid	3087011	0335	493-014-4214	0000	840.670	840.670	840.670	840.670	100%	3.50000	\$2,942.35
- Crushed Concrete	3027031	0350	493-014-4214	0000	179.080	179.080	179.080	179.080	100%	25.00000	\$4,477.00
- Hydrant, Adj	8237050	0345	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	1,240.00000	\$1,240.00
- Irrigation System Relocation Hyde Rd Easement Area	8137001	0355	493-014-4214	0000	260.000	260.000	260.000	260.000	100%	3.81000	\$990.60
- Retaining Wall	8167010	0360	493-014-4214	0000	252.000	252.000	252.000	252.000	100%	48.50000	\$12,222.00
- San. Sewer CI A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-4214	0000	90.000	90.000	90.000	90.000	100%	37.34000	\$3,360.60
- Water Main Conflict, 12	8237050	0300	493-014-4214	0000	2.000	2.000	2.000	2.000	100%	2,500.00000	\$5,000.00
- Water Main Conflict, 4	8237050	0305	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	3,000.00000	\$3,000.00
- Water Main Conflict, 6	8237050	0310	493-014-4214	0000	1.000	1.000	0.000	0.000		3,200.00000	
- Water Main Conflict, 8	8237050	0315	493-014-4214	0000	2.000	2.000	2.000	2.000	100%	3,540.00000	\$7,080.00
Aggregate Base	3020001	0055	493-014-4214	0000	827.750	827.750	827.750	827.750	100%	12.00000	\$9,933.00
Approach, CI I, 6 inch	3070008	0065	493-014-4214	0000	2,760.000	2,760.000	0.000	0.000		4.50000	
Barr, Typelll, HighInten, DblSided, Ltd, 8120012	8120012	0240	493-014-4214	0000	8.000	8.000	8.000	8.000	100%	35.00000	\$280.00
Barr, Typelll, HighInten, DblSided, Ltd, 8120013	8120013	0245	493-014-4214	0000	8.000	8.000	8.000	8.000	100%	1.00000	\$8.00
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	493-014-4214	0000	510.000	510.000	97.780	97.780	19%	49.00000	\$4,791.22
Culv End Sect, Conc, 15 inch	4010048	0070	493-014-4214	0000	3.000	3.000	3.000	3.000	100%	450.00000	\$1,350.00
Culv End Sect, Grate	4010083	0075	493-014-4214	0000	69.000	69.000	69.000	69.000	100%	2.25000	\$155.25
Culv, Rem, Less than 24 inch	2030001	0010	493-014-4214	0000	32.000	32.000	25.000	25.000	78%	100.00000	\$2,500.00
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-4214	0000	9,588.000	9,588.000	9,588.000	9,603.100	100%	14.00000	\$134,232.00
Quantity Withheld: 15.100											
Curb and Gutter, Rem	2040020	0015	493-014-4214	0000	375.000	375.000	286.000	286.000	76%	2.00000	\$572.00
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-4214	0000	4.000	4.000	1.000	1.000	25%	300.00000	\$300.00
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-4214	0000	19.000	19.000	6.000	6.000	32%	200.00000	\$1,200.00
Dr Structure Cover, Type B	4030010	0115	493-014-4214	0000	4.000	4.000	4.000	5.000	125%	550.00000	\$2,200.00
Quantity Withheld: 1.000											
Dr Structure Cover, Type D	4030025	0120	493-014-4214	0000	4.000	4.000	1.000	1.000	25%	690.00000	\$690.00

**Contract: .493-014-421433**

**Estimate: 10**

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# Construction Pay Estimate Amount Balance Report

Estimate: 10

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FieldManager 5.2a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Dr Structure Cover, Type E	4030035	0125	493-014-4214	0000	16,000		13,000	13,000	81%	450.00000	\$5,850.00
Dr Structure Cover, Type K	4030050	0130	493-014-4214	0000	31,000		31,000	37,000	119%	750.00000	\$23,250.00
Quantity Withheld: 6.000											
Dr Structure, 24 inch dia	4030200	0135	493-014-4214	0000	24,000		24,000	24,000	100%	900.00000	\$21,600.00
Dr Structure, 48 inch dia	4030210	0140	493-014-4214	0000	28,000	5,000	28,000	28,000	100%	1,300.00000	\$36,400.00
Dr Structure, 60 inch dia	4030220	0145	493-014-4214	0000	1,000		1,000	1,000	100%	3,000.00000	\$3,000.00
Dr Structure, 72 inch dia	4030230	0320	493-014-4214	0000	1,000		1,000	1,000	100%	3,700.00000	\$3,700.00
Dr Structure, Tap, 12 inch	4030312	0155	493-014-4214	0000	5,000		5,000	9,000	180%	500.00000	\$2,500.00
Quantity Withheld: 4.000											
Dr Structure, Tap, 15 inch	4030315	0160	493-014-4214	0000	2,000		2,000	5,000	250%	800.00000	\$1,600.00
Quantity Withheld: 3.000											
Dr Structure, Tap, 18 inch	4030318	0165	493-014-4214	0000	1,000		1,000	3,000	300%	1,500.00000	\$1,500.00
Quantity Withheld: 2.000											
Dr Structure, Tap, 6 inch	4030306	0150	493-014-4214	0000	14,000		14,000	29,000	207%	500.00000	\$7,000.00
Quantity Withheld: 15.000											
Driveway Opening, Conc, Det M	8020050	0215	493-014-4214	0000	267,000		212,400	212,400	80%	17.00000	\$3,610.80
Driveway, Nonreinf Conc, 6 inch	8010005	0205	493-014-4214	0000	555,900		555,900	702,890	126%	35.00000	\$19,456.50
Quantity Withheld: 146.990											
Embankment, CIP	2050010	0025	493-014-4214	0000	4,000,000		4,000,000	4,000,000	100%	4.00000	\$16,000.00
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	493-014-4214	0000	63,000		18,000	18,000	29%	50.00000	\$900.00
Erosion Control, Silt Fence	2080036	0045	493-014-4214	0000	300,000		0.000	0.000		2.00000	
Excavation, Earth	2050016	0030	493-014-4214	0000	9,441,000		6,390,650	6,390,650	68%	2.00000	\$12,781.30
Fence, Rem	2040025	0325	493-014-4214	0000	248,000		248,000	248,000	100%	5.00000	\$1,240.00
Geotextile, Separator	3080005	0330	493-014-4214	0000	840,000		840,000	840,670	100%	1.50000	\$1,260.00
Quantity Withheld: 0.670											
HMA Approach	5010061	0195	493-014-4214	0000	636,430	19,320	636,430	636,430	100%	120.00000	\$76,371.60
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	14,570,020		8,245,250	8,245,250	57%	2.00000	\$16,490.50
HMA Surface, Rem	5010005	0180	493-014-4214	0000	3,225,160	426,890	3,166,830	3,166,830	98%	2.00000	\$6,333.66

Contract: 493-014-421433

Estimate: 10

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# Construction Pay Estimate Amount Balance Report

Estimate: 10

08/01/2016 12:08 PM  
FieldManager 5.2a

Isabella CRC

Item Code	Prop. Line	Item Description	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
5010031	0185	HMA, 3C	493-014-4214	0000	1,134.610	1,134.610	1,134.610	1,134.610	100%	58.00000	\$65,807.38
5010032	0190	HMA, 4C	493-014-4214	0000	1,517.100	253.100	1,517.100	1,517.100	100%	64.00000	\$97,094.40
8120120	0250	Lighted Arrow, Type A, Furn	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	500.00000	\$500.00
8120121	0255	Lighted Arrow, Type A, Oper	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	100.00000	\$100.00
4030542	0170	Mh, Precast Tee, II, 42 inch	493-014-4214	0000	2.000	2.000	2.000	2.000	100%	3,000.00000	\$6,000.00
8120170	0260	Minor Traf Devices	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	1,000.00000	\$1,000.00
1500001	0005	Mobilization, Max. \$55,000	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	55,000.00000	\$55,000.00
2040050	0020	Pavt, Rem	493-014-4214	0000	295.290	295.290	295.290	295.290	100%	3.00000	\$885.87
8120250	0265	Plastic Drum, High Intensity, Furn	493-014-4214	0000	50.000	50.000	50.000	50.000	100%	20.00000	\$1,000.00
8120251	0270	Plastic Drum, High Intensity, Oper	493-014-4214	0000	50.000	50.000	50.000	50.000	100%	1.00000	\$50.00
8100371	0220	Post, Steel, 3 lb	493-014-4214	0000	84.000	84.000	0.000	65.000	77%	4.00000	
<b>Quantity Withheld: 65.000</b>											
8130010	0285	Riprap, Plain	493-014-4214	0000	25.720	25.720	25.720	27.720	108%	55.00000	\$1,414.60
<b>Quantity Withheld: 2.000</b>											
4020033	0080	Sewer, CI A, 12 inch, Tr Det B	493-014-4214	0000	719.900	238.100	719.900	719.900	100%	54.00000	\$38,874.60
4020034	0085	Sewer, CI A, 15 inch, Tr Det B	493-014-4214	0000	1,956.900	41.500	1,956.900	1,956.900	100%	56.00000	\$109,586.40
4020035	0090	Sewer, CI A, 18 inch, Tr Det B	493-014-4214	0000	1,201.200	13.700	1,201.200	1,201.200	100%	59.00000	\$70,870.80
4020036	0095	Sewer, CI A, 24 inch, Tr Det B	493-014-4214	0000	220.000	220.000	220.000	220.000	100%	65.00000	\$14,300.00
4020039	0100	Sewer, CI A, 42 inch, Tr Det B	493-014-4214	0000	439.500	439.500	439.500	439.500	100%	105.00000	\$46,147.50
8120350	0275	Sign, Type B, Temp, Prismatic, Furn	493-014-4214	0000	481.500	31.500	481.500	481.500	100%	5.00000	\$2,407.50
8120351	0280	Sign, Type B, Temp, Prismatic, Oper	493-014-4214	0000	481.500	31.500	481.500	481.500	100%	1.00000	\$481.50
8100402	0225	Sign, Type III, Erect, Salv	493-014-4214	0000	1.000	1.000	0.000	0.000		100.00000	
8100403	0230	Sign, Type III, Rem	493-014-4214	0000	6.000	6.000	4.000	4.000	67%	20.00000	\$80.00
8100404	0235	Sign, Type IIIA	493-014-4214	0000	35.000	35.000	0.000	37.000	106%	20.00000	
<b>Quantity Withheld: 37.000</b>											
8160100	0290	Slope Restoration, Type A	493-014-4214	0000	20,860.000	20,860.000	18,629.110	18,629.110	89%	2.50000	\$46,572.78

**Contract: 493-014-421433**

Estimate: 10





# Construction Pay Estimate Amount Balance Report

Estimate: 10

08/01/2016 12:08 PM  
FieldManager 5.2a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	Unit Price	Dollar Amt. Paid To Date
Subbase, CIP	3010002	0050	493-014-4214	0000	2,106.670	2,057.410	2,057.410	2,057.410	4.00000	\$8,229.64
Subgrade Undercutting, Type II	2050041	0035	493-014-4214	0000	1,262.600	1,262.600	1,262.600	1,262.600	17.00000	\$21,464.20
Underdrain, Subbase, 6 inch	4040063	0175	493-014-4214	0000	9,492.000	8,280.000	8,280.000	8,280.000	1.80000	\$14,904.00
Water Serv, Conflict	8230250	0295	493-014-4214	0000	3.000	2.000	2.000	2.000	500.00000	\$1,000.00
<b>Percentage of Contract Completed(curr): 93%</b>										
<b>(total paid to date / total of all authorized work)</b>										
<b>Total Amount Paid This Estimate:</b>										<b>\$42,131.48</b>
<b>Total Amount Paid To Date:</b>										<b>\$1,063,139.55</b>

Contract: 493-014-421433

Estimate: 10

Page 4 of 4



# Insufficient Materials Report

Estimate: 10

08/01/2016 12:08 PM

FieldManager 5 2a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

**Item: Post, Steel, 3 lb** **Code: 8100371** **Prop. Line: 0220**

<b>Quantity this Estimate:</b>	0.000	<b>Dollar Amount this Estimate:</b>	\$0.00
<b>Allowable Quantity:</b>	65.000	<b>Allowable Dollar Amount:</b>	\$260.00

Material Description	Usage Factor	Total Quantity Approved	Total Quantity Used	Total Quantity Available	Other Items
Post, Steel, 3 lb	1.0000 Ft/Ft	.00	65.00	-65.00	No

**Item: Sign, Type IIIA** **Code: 8100404** **Prop. Line: 0235**

<b>Quantity this Estimate:</b>	0.000	<b>Dollar Amount this Estimate:</b>	\$0.00
<b>Allowable Quantity:</b>	35.000	<b>Allowable Dollar Amount:</b>	\$700.00

Material Description	Usage Factor	Total Quantity Approved	Total Quantity Used	Total Quantity Available	Other Items
Sign, Type IIIA	1.0000 Sf/Sft	.00	37.00	-37.00	No

**Total Dollar Amount This Estimate of Items With Insufficient Materials: \$0.00**

**Total Allowable Dollar Amount of Items With Insufficient Materials: \$960.00**



# Construction Pay Estimate Report

Isabella CRC

08/18/2016 11:15 AM

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushin**

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
08/18/2016	11	Patrick J Gaffney	Semi-Monthly	No		09/08/2015
<b>Prime Contractor</b> Central Michigan Contracting, Inc.				<b>Managing Office</b> Isabella County Road Commission		

## Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
Subbase, CIP	3010002	0050	493-014-4214	0000	0050	00	000	49.260	\$197.04
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	0060	00	000	6,324.770	\$12,649.54
Dr Structure Cover, Type E	4030035	0125	493-014-4214	0000	0125	00	000	1.000	\$450.00
HMA Surface, Rem	5010005	0180	493-014-4214	0000	0180	00	000	58.330	\$116.66
Post, Steel, 3 lb	8100371	0220	493-014-4214	0000	0220	00	000	84.000	\$336.00
Sign, Type IIIA	8100404	0235	493-014-4214	0000	0235	00	000	35.000	\$700.00

**Total Estimated Item Payment: \$14,449.24**

## Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
<b>Total Liquidated Damages:</b>				<b>\$0</b>

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
493-014-42143, 0.87 mi of road reconstruction, including hma base crushing	0011	\$14,449.24	\$0.00	\$14,449.24
<b>Voucher Total:</b>				<b>\$14,449.24</b>

## Summary

Current Voucher Total:	\$14,449.24	Earnings to date:	\$1,077,588.79
-Current Retainage:	\$0.00	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$14,449.24</b>	<b>Net Earnings to date:</b>	<b>\$1,077,588.79</b>
		- Payments to date:	\$1,063,139.55
		<b>Net Earnings this period:</b>	<b>\$14,449.24</b>



# Construction Pay Estimate Report

## Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document. I also certify the prime contractor is meeting all requirements for minority percentages and the payrolls are current.

*Patrick J. Gaffney*

Patrick J. Gaffney, P. E. (Project Engineer) and/or

*18 Aug 2016*

(Date)

Tony Casali - Manager

(Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 11

08/18/2016 11:15 AM  
FieldManager 5.2a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Mobilization, Max. \$55,000	1500001	0005	493-014-42143 0000	1,000		1,000	1,000	100%	55,000.00000	\$55,000.00
Culv, Rem, Less than 24 inch	2030001	0010	493-014-42143 0000	32,000		25,000	25,000	78%	100.00000	\$2,500.00
Curb and Gutter, Rem	2040020	0015	493-014-42143 0000	375,000		286,000	286,000	76%	2.00000	\$572.00
Pavt, Rem	2040050	0020	493-014-42143 0000	295,290		295,290	295,290	100%	3.00000	\$885.87
Embankment, CIP	2050010	0025	493-014-42143 0000	4,000,000		4,000,000	4,000,000	100%	4.00000	\$16,000.00
Excavation, Earth	2050016	0030	493-014-42143 0000	9,441,000		6,390,650	6,390,650	68%	2.00000	\$12,781.30
Subgrade Undercutting, Type II	2050041	0035	493-014-42143 0000	1,262,600		1,262,600	1,262,600	100%	17.00000	\$21,484.20
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	493-014-42143 0000	63,000		18,000	18,000	29%	50.00000	\$900.00
Erosion Control, Silt Fence	2080036	0045	493-014-42143 0000	300,000		0,000			2.00000	
Subbase, CIP	3010002	0050	493-014-42143 0000	2,106,670	49,260	2,106,670	2,106,670	100%	4.00000	\$8,426.68
Aggregate Base	3020001	0055	493-014-42143 0000	827,750		827,750	827,750	100%	12.00000	\$9,933.00
HMA Base Crushing and Shaping	3050002	0060	493-014-42143 0000	14,570,020	6,324,770	14,570,020	14,570,020	100%	2.00000	\$29,140.04
Approach, C/I, 6 inch	3070008	0065	493-014-42143 0000	2,760,000		0,000			4.50000	
Culv End Sect, Conc, 15 inch	4010048	0070	493-014-42143 0000	3,000		3,000	3,000	100%	450.00000	\$1,350.00
Culv End Sect, Grate	4010083	0075	493-014-42143 0000	69,000		69,000	69,000	100%	2.25000	\$155.25
Sewer, C/I A, 12 inch, Tr Det B	4020033	0080	493-014-42143 0000	719,900		719,900	719,900	100%	54.00000	\$38,874.60
Sewer, C/I A, 15 inch, Tr Det B	4020034	0085	493-014-42143 0000	1,956,900		1,956,900	1,956,900	100%	56.00000	\$109,586.40
Sewer, C/I A, 18 inch, Tr Det B	4020035	0090	493-014-42143 0000	1,201,200		1,201,200	1,201,200	100%	59.00000	\$70,870.80
Sewer, C/I A, 24 inch, Tr Det B	4020036	0095	493-014-42143 0000	220,000		220,000	220,000	100%	65.00000	\$14,300.00
Sewer, C/I A, 42 inch, Tr Det B	4020039	0100	493-014-42143 0000	439,500		439,500	439,500	100%	105.00000	\$46,147.50
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-42143 0000	4,000		1,000	1,000	25%	300.00000	\$300.00
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-42143 0000	19,000		6,000	6,000	32%	200.00000	\$1,200.00
Dr Structure Cover, Type B	4030010	0115	493-014-42143 0000	4,000		4,000	6,000	150%	550.00000	\$2,200.00
<b>Quantity Withheld: 2,000</b>										
Dr Structure Cover, Type D	4030025	0120	493-014-42143 0000	4,000		1,000	1,000	25%	690.00000	\$690.00
Dr Structure Cover, Type E	4030035	0125	493-014-42143 0000	16,000	1,000	14,000	14,000	88%	450.00000	\$6,300.00

Contract: .493-014-421433

Estimate: 11



# Construction Pay Estimate Amount Balance Report

Estimate: 11

08/18/2016 11:15 AM  
FieldManager 5.2a

Isabella CRC

Item Code	Prop. Line	Item Description	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date	
Dr Structure	4030050 0130	Cover, Type K	493-014-4214	0000	31,000	31,000	31,000	38,000	123%	750.00000	\$23,250.00	
		<b>Quantity Withheld:</b> 7,000										
Dr Structure	4030200 0135	24 inch dia	493-014-4214	0000	24,000	24,000	24,000	24,000	100%	900.00000	\$21,600.00	
Dr Structure	4030210 0140	48 inch dia	493-014-4214	0000	28,000	28,000	28,000	28,000	100%	1,300.00000	\$36,400.00	
Dr Structure	4030220 0145	60 inch dia	493-014-4214	0000	1,000	1,000	1,000	1,000	100%	3,000.00000	\$3,000.00	
Dr Structure	4030306 0150	Tap, 6 inch	493-014-4214	0000	14,000	14,000	14,000	29,000	207%	500.00000	\$7,000.00	
		<b>Quantity Withheld:</b> 15,000										
Dr Structure	4030312 0155	Tap, 12 inch	493-014-4214	0000	5,000	5,000	5,000	9,000	180%	500.00000	\$2,500.00	
		<b>Quantity Withheld:</b> 4,000										
Dr Structure	4030315 0160	Tap, 15 inch	493-014-4214	0000	2,000	2,000	2,000	5,000	250%	800.00000	\$1,600.00	
		<b>Quantity Withheld:</b> 3,000										
Dr Structure	4030318 0165	Tap, 18 inch	493-014-4214	0000	1,000	1,000	1,000	3,000	300%	1,500.00000	\$1,500.00	
		<b>Quantity Withheld:</b> 2,000										
Mh, Precast Tee	4030542 0170	II, 42 inch	493-014-4214	0000	2,000	2,000	2,000	2,000	100%	3,000.00000	\$6,000.00	
Underdrain, Subbase	4040063 0175	6 inch	493-014-4214	0000	9,492,000	9,492,000	8,280,000	8,280,000	87%	1.80000	\$14,904.00	
HMA Surface, Rem	5010005 0180		493-014-4214	0000	3,225,160	58,330	3,225,160	3,225,160	100%	2.00000	\$6,450.32	
HMA, 3C	5010031 0185		493-014-4214	0000	1,134,610		1,134,610	1,134,610	100%	58.00000	\$65,807.38	
HMA, 4C	5010032 0190		493-014-4214	0000	1,517,100		1,517,100	1,517,100	100%	64.00000	\$97,094.40	
HMA Approach	5010061 0195		493-014-4214	0000	636,430		636,430	636,430	100%	120.00000	\$76,371.60	
Conc Pavt, Misc, Reinf	6020076 0200	9 inch	493-014-4214	0000	510,000		97,780	97,780	19%	49.00000	\$4,791.22	
Driveway, Nonreinf Conc	8010005 0205	6 inch	493-014-4214	0000	555,900		555,900	702,890	126%	35.00000	\$19,456.50	
		<b>Quantity Withheld:</b> 146,990										
Curb and Gutter, Conc, Det F4	8020038 0210		493-014-4214	0000	9,588,000		9,588,000	9,603,100	100%	14.00000	\$134,232.00	
		<b>Quantity Withheld:</b> 15,100										
Driveway Opening, Conc, Det M	8020050 0215		493-014-4214	0000	267,000		212,400	212,400	80%	17.00000	\$3,610.80	
Post, Steel, 3 lb	8100371 0220		493-014-4214	0000	84,000	84,000	84,000	107,000	127%	4.00000	\$336.00	
		<b>Quantity Withheld:</b> 23,000										
Sign, Type III, Erect, Salv	8100402 0225		493-014-4214	0000	1,000		0,000			100.00000		
Sign, Type III, Rem	8100403 0230		493-014-4214	0000	6,000		4,000	4,000	67%	20.00000	\$80.00	

Estimate: 11

Contract: 493-014-421433



# Construction Pay Estimate Amount Balance Report

Estimate: 11

08/18/2016 11:15 AM

Isabella CRC

FieldManager 5.2a

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Sign, Type IIIA	8100404	0235	493-014-4214	0000	35.000	35.000	35.000	55.350	158%	20.00000	\$700.00
<b>Quantity Withheld: 20.350</b>											
Barr, TypeIII,HighInten,DbISided,Ltd,	8120012	0240	493-014-4214	0000	8.000	8.000	8.000	8.000	100%	35.00000	\$280.00
Barr, TypeIII,HighInten,DbISided,Ltd,	8120013	0245	493-014-4214	0000	8.000	8.000	8.000	8.000	100%	1.00000	\$8.00
Lighted Arrow, Type A, Furn	8120120	0250	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	500.00000	\$500.00
Lighted Arrow, Type A, Oper	8120121	0255	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	100.00000	\$100.00
Minor Traf Devices	8120170	0260	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	1,000.00000	\$1,000.00
Plastic Drum, High Intensity, Furn	8120250	0265	493-014-4214	0000	50.000	50.000	50.000	50.000	100%	20.00000	\$1,000.00
Plastic Drum, High Intensity, Oper	8120251	0270	493-014-4214	0000	50.000	50.000	50.000	50.000	100%	1.00000	\$50.00
Sign, Type B, Temp, Prismatic, Furn	8120350	0275	493-014-4214	0000	481.500	481.500	481.500	481.500	100%	5.00000	\$2,407.50
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	493-014-4214	0000	481.500	481.500	481.500	481.500	100%	1.00000	\$481.50
Riprap, Plain	8130010	0285	493-014-4214	0000	25.720	25.720	25.720	27.720	108%	55.00000	\$1,414.60
<b>Quantity Withheld: 2.000</b>											
Slope Restoration, Type A	8160100	0290	493-014-4214	0000	20,860.000	20,860.000	18,629.110	18,629.110	89%	2.50000	\$46,572.78
Water Serv, Conflict	8230250	0295	493-014-4214	0000	3.000	3.000	2.000	2.000	67%	500.00000	\$1,000.00
_ Water Main Conflict, 12	8237050	0300	493-014-4214	0000	2.000	2.000	2.000	2.000	100%	2,500.00000	\$5,000.00
_ Water Main Conflict, 4	8237050	0305	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	3,000.00000	\$3,000.00
_ Water Main Conflict, 6	8237050	0310	493-014-4214	0000	1.000	1.000	0.000	0.000		3,200.00000	
_ Water Main Conflict, 8	8237050	0315	493-014-4214	0000	2.000	2.000	2.000	2.000	100%	3,540.00000	\$7,080.00
Dr Structure, 72 inch dia	4030230	0320	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	3,700.00000	\$3,700.00
Fence, Rem	2040025	0325	493-014-4214	0000	248.000	248.000	248.000	248.000	100%	5.00000	\$1,240.00
Geotextile, Separator	3080005	0330	493-014-4214	0000	840.000	840.000	840.000	840.670	100%	1.50000	\$1,260.00
<b>Quantity Withheld: 0.670</b>											
_ Bi-axial, Geogrid	3087011	0335	493-014-4214	0000	840.670	840.670	840.670	840.670	100%	3.50000	\$2,942.35
_ San. Sewer Cl A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-4214	0000	90.000	90.000	90.000	90.000	100%	37.34000	\$3,360.60
_ Hydrant, Adj	8237050	0345	493-014-4214	0000	1.000	1.000	1.000	1.000	100%	1,240.00000	\$1,240.00

Contract: 493-014-421433

Estimate: 11

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# Construction Pay Estimate Amount Balance Report

Estimate: 11

08/18/2016 11:15 AM  
FieldManager 5.2a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
- Crushed Concrete	3027031	0350	493-014-4214	0000	179.080	179.080	179.080	179.080	100%	25.00000	\$4,477.00
- Irrigation System Relocation Hyde Rd Easement Area	8137001	0355	493-014-4214	0000	260.000	260.000	260.000	260.000	100%	3.81000	\$990.60
- Retaining Wall	8167010	0360	493-014-4214	0000	252.000	252.000	252.000	252.000	100%	48.50000	\$12,222.00
<b>Percentage of Contract Completed(curr): 95%</b>											
<b>(total paid to date / total of all authorized work)</b>											
										<b>Total Amount Paid This Estimate:</b>	<b>\$14,449.24</b>
										<b>Total Amount Paid To Date:</b>	<b>\$1,077,588.79</b>

Contract: 493-014-421433

Estimate: 11

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# Insufficient Materials Report

Estimate: 11

08/18/2016 11:15 AM

Isabella CRC

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

**Item: Post, Steel, 3 lb** **Code: 8100371** **Prop. Line: 0220**

<b>Quantity this Estimate:</b>	84.000	<b>Dollar Amount this Estimate:</b>	\$336.00
<b>Allowable Quantity:</b>	84.000	<b>Allowable Dollar Amount:</b>	\$336.00

Material Description	Usage Factor	Total Quantity Approved	Total Quantity Used	Total Quantity Available	Other Items
Post, Steel, 3 lb	1.0000 Ft/Ft	.00	107.00	-107.00	No

**Item: Sign, Type IIIA** **Code: 8100404** **Prop. Line: 0235**

<b>Quantity this Estimate:</b>	35.000	<b>Dollar Amount this Estimate:</b>	\$700.00
<b>Allowable Quantity:</b>	35.000	<b>Allowable Dollar Amount:</b>	\$700.00

Material Description	Usage Factor	Total Quantity Approved	Total Quantity Used	Total Quantity Available	Other Items
Sign, Type IIIA	1.0000 Sft/Sft	.00	55.35	-55.35	No

**Total Dollar Amount This Estimate of Items With Insufficient Materials: \$1,036.00**

**Total Allowable Dollar Amount of Items With Insufficient Materials: \$1,036.00**



# Construction Pay Estimate Report

09/12/2016 1:40 PM

Isabella CRC

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushin**

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
09/12/2016	12	Patrick J Gaffney	Final	No	05/10/2016	09/08/2015
<b>Prime Contractor</b> Central Michigan Contracting, Inc.				<b>Managing Office</b> Isabella County Road Commission		

## Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-4214	0000	0210	00	000	15.100	\$211.40
Dr Structure Cover, Type B	4030010	0115	493-014-4214	0000	0115	00	000	2.000	\$1,100.00
Dr Structure Cover, Type K	4030050	0130	493-014-4214	0000	0130	00	000	7.000	\$5,250.00
Dr Structure, Tap, 12 inch	4030312	0155	493-014-4214	0000	0155	00	000	4.000	\$2,000.00
Dr Structure, Tap, 15 inch	4030315	0160	493-014-4214	0000	0160	00	000	3.000	\$2,400.00
Dr Structure, Tap, 18 inch	4030318	0165	493-014-4214	0000	0165	00	000	2.000	\$3,000.00
Dr Structure, Tap, 6 inch	4030306	0150	493-014-4214	0000	0150	00	000	15.000	\$7,500.00
Driveway, Nonreinf Conc, 6 inch	8010005	0205	493-014-4214	0000	0205	00	000	146.990	\$5,144.65
Geotextile, Separator	3080005	0330	493-014-4214	0000	0330	SA	001	0.670	\$1.01
Post, Steel, 3 lb	8100371	0220	493-014-4214	0000	0220	00	000	23.000	\$92.00
Riprap, Plain	8130010	0285	493-014-4214	0000	0285	00	000	2.000	\$110.00
Sign, Type III, Rem	8100403	0230	493-014-4214	0000	0230	00	000	6.000	\$120.00
Sign, Type IIIA	8100404	0235	493-014-4214	0000	0235	00	000	19.020	\$380.40
<b>Total Estimated Item Payment:</b>									<b>\$27,309.46</b>

## Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
<b>Total Liquidated Damages:</b>				<b>\$0</b>

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
493-014-42143, 0.87 mi of road reconstruction, including hma base crushing	0012	\$27,309.46	\$0.00	\$27,309.46
<b>Voucher Total:</b>				<b>\$27,309.46</b>




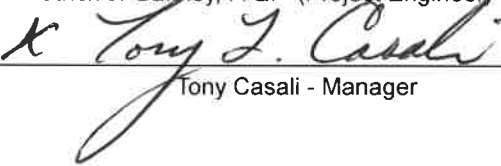
# Construction Pay Estimate Report

## Summary

Current Voucher Total:	\$27,309.46	Earnings to date:	\$1,104,898.25
-Current Retainage:	\$0.00	- Retainage to date:	\$0.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$27,309.46</b>	Net Earnings to date:	\$1,104,898.25
		- Payments to date:	\$1,077,588.79
		<b>Net Earnings this period:</b>	<b>\$27,309.46</b>

## Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document. I also certify the prime contractor is meeting all requirements for minority percentages and the payrolls are current.

  
 \_\_\_\_\_  
 Patrick J. Gaffney, P. E. (Project Engineer) and/or  
  
 \_\_\_\_\_  
 Tony Casali - Manager

12 Sept 2016  
 \_\_\_\_\_  
 (Date)  
 9/12/2016  
 \_\_\_\_\_  
 (Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 12

09/12/2016 1:40 PM  
FieldManager 5.2a

Isabella CRC

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
- Bi-axial, Geogrid	3087011	0335	493-014-42143	0000	840.670	840.670	840.670	840.670	100%	3.50000	\$2,942.35
- Crushed Concrete	3027031	0350	493-014-42143	0000	179.080	179.080	179.080	179.080	100%	25.00000	\$4,477.00
- Hydrant, Adj	8237050	0345	493-014-42143	0000	1.000	1.000	1.000	1,240.00000	100%	1,240.00000	\$1,240.00
- Irrigation System Relocation Hyde Rd Easement Area	8137001	0355	493-014-42143	0000	260.000	260.000	260.000	260.000	100%	3.81000	\$990.60
- Retaining Wall	8167010	0360	493-014-42143	0000	252.000	252.000	252.000	252.000	100%	48.50000	\$12,222.00
- San. Sewer CI A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	493-014-42143	0000	90.000	90.000	90.000	90.000	100%	37.34000	\$3,360.60
- Water Main Conflict, 12	8237050	0300	493-014-42143	0000	2.000	2.000	2.000	2.000	100%	2,500.00000	\$5,000.00
- Water Main Conflict, 4	8237050	0305	493-014-42143	0000	1.000	1.000	1.000	1,000.00000	100%	3,000.00000	\$3,000.00
- Water Main Conflict, 6	8237050	0310	493-014-42143	0000	0.000	0.000	0.000	3,200.00000		3,200.00000	
- Water Main Conflict, 8	8237050	0315	493-014-42143	0000	2.000	2.000	2.000	3,540.00000	100%	3,540.00000	\$7,080.00
Aggregate Base	3020001	0055	493-014-42143	0000	827.750	827.750	827.750	827.750	100%	12.00000	\$9,933.00
Approach, CI I, 6 inch	3070008	0065	493-014-42143	0000	0.000	0.000	0.000	4.50000		4.50000	
Barr, Typell, Highinten, DbISided, Ltd, 8120012	0240		493-014-42143	0000	8.000	8.000	8.000	8.000	100%	35.00000	\$280.00
Barr, Typell, Highinten, DbISided, Ltd, 8120013	0245		493-014-42143	0000	8.000	8.000	8.000	8.000	100%	1.00000	\$8.00
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	493-014-42143	0000	97.780	97.780	97.780	97.780	100%	49.00000	\$4,791.22
Culv End Sect, Conc, 15 inch	4010048	0070	493-014-42143	0000	3.000	3.000	3.000	3.000	100%	450.00000	\$1,350.00
Culv End Sect, Grate	4010083	0075	493-014-42143	0000	69.000	69.000	69.000	69.000	100%	2.25000	\$155.25
Culv, Rem, Less than 24 inch	2030001	0010	493-014-42143	0000	25.000	25.000	25.000	25.000	100%	100.00000	\$2,500.00
Curb and Gutter, Conc, Det F4	8020038	0210	493-014-42143	0000	9.603.100	15.100	9,603.100	9,603.100	100%	14.00000	\$134,443.40
Curb and Gutter, Rem	2040020	0015	493-014-42143	0000	286.000	286.000	286.000	286.000	100%	2.00000	\$572.00
Dr Structure Cover, Adj, Case 1	4030005	0105	493-014-42143	0000	1.000	1.000	1.000	1.000	100%	300.00000	\$300.00
Dr Structure Cover, Adj, Case 2	4030006	0110	493-014-42143	0000	6.000	6.000	6.000	6.000	100%	200.00000	\$1,200.00
Dr Structure Cover, Type B	4030010	0115	493-014-42143	0000	6.000	6.000	6.000	6.000	100%	550.00000	\$3,300.00
Dr Structure Cover, Type D	4030025	0120	493-014-42143	0000	1.000	1.000	1.000	1.000	100%	690.00000	\$690.00
Dr Structure Cover, Type E	4030035	0125	493-014-42143	0000	14.000	14.000	14.000	14.000	100%	450.00000	\$6,300.00

**Contract: .493-014-421433**

Estimate: 12

Page 1 of 3



# Construction Pay Estimate Amount Balance Report

Estimate: 12

09/12/2016 1:40 PM  
FieldManager 5.2a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Dr Structure Cover, Type K	4030050	0130	493-014-4214	0000	38,000	7,000	38,000	38,000	100%	750.00000	\$28,500.00
Dr Structure, 24 inch dia	4030200	0135	493-014-4214	0000	24,000		24,000	24,000	100%	900.00000	\$21,600.00
Dr Structure, 48 inch dia	4030210	0140	493-014-4214	0000	28,000		28,000	28,000	100%	1,300.00000	\$36,400.00
Dr Structure, 60 inch dia	4030220	0145	493-014-4214	0000	1,000		1,000	1,000	100%	3,000.00000	\$3,000.00
Dr Structure, 72 inch dia	4030230	0320	493-014-4214	0000	1,000		1,000	1,000	100%	3,700.00000	\$3,700.00
Dr Structure, Tap, 12 inch	4030312	0155	493-014-4214	0000	9,000	4,000	9,000	9,000	100%	500.00000	\$4,500.00
Dr Structure, Tap, 15 inch	4030315	0160	493-014-4214	0000	5,000	3,000	5,000	5,000	100%	800.00000	\$4,000.00
Dr Structure, Tap, 18 inch	4030318	0165	493-014-4214	0000	3,000	2,000	3,000	3,000	100%	1,500.00000	\$4,500.00
Dr Structure, Tap, 6 inch	4030306	0150	493-014-4214	0000	29,000	15,000	29,000	29,000	100%	500.00000	\$14,500.00
Driveway Opening, Conc, Det M	8020050	0215	493-014-4214	0000	212,400		212,400	212,400	100%	17.00000	\$3,610.80
Driveway, Nonreinf Conc, 6 inch	8010005	0205	493-014-4214	0000	702,890	146,990	702,890	702,890	100%	35.00000	\$24,601.15
Embankment, CIP	2050010	0025	493-014-4214	0000	4,000,000		4,000,000	4,000,000	100%	4.00000	\$16,000.00
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	493-014-4214	0000	18,000		18,000	18,000	100%	50.00000	\$900.00
Erosion Control, Silt Fence	2080036	0045	493-014-4214	0000	0,000		0,000	0,000		2.00000	
Excavation, Earth	2050016	0030	493-014-4214	0000	6,390,650		6,390,650	6,390,650	100%	2.00000	\$12,781.30
Fence, Rem	2040025	0325	493-014-4214	0000	248,000		248,000	248,000	100%	5.00000	\$1,240.00
Geotextile, Separator	3080005	0330	493-014-4214	0000	840,670	0,670	840,670	840,670	100%	1.50000	\$1,261.01
HMA Approach	5010061	0195	493-014-4214	0000	636,430		636,430	636,430	100%	120.00000	\$76,371.60
HMA Base Crushing and Shaping	3050002	0060	493-014-4214	0000	14,570,020		14,570,020	14,570,020	100%	2.00000	\$29,140.04
HMA Surface, Rem	5010005	0180	493-014-4214	0000	3,225,160		3,225,160	3,225,160	100%	2.00000	\$6,450.32
HMA, 3C	5010031	0185	493-014-4214	0000	1,134,610		1,134,610	1,134,610	100%	58.00000	\$65,807.38
HMA, 4C	5010032	0190	493-014-4214	0000	1,517,100		1,517,100	1,517,100	100%	64.00000	\$97,094.40
Lighted Arrow, Type A, Furn	8120120	0250	493-014-4214	0000	1,000		1,000	1,000	100%	500.00000	\$500.00
Lighted Arrow, Type A, Oper	8120121	0255	493-014-4214	0000	1,000		1,000	1,000	100%	100.00000	\$100.00
Mh, Precast Tee, II, 42 inch	4030542	0170	493-014-4214	0000	2,000		2,000	2,000	100%	3,000.00000	\$6,000.00
Minor Traf Devices	8120170	0260	493-014-4214	0000	1,000		1,000	1,000	100%	1,000.00000	\$1,000.00



# Construction Pay Estimate Amount Balance Report

Estimate: 12

09/12/2016 1:40 PM  
FieldManager 5.2a

Isabella CRC

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
Mobilization, Max. \$55,000	1500001	0005	493-014-4214	0000	1,000		1,000	1,000	100%	55,000.00000	\$55,000.00
Pavt, Rem	2040050	0020	493-014-4214	0000	295,290		295,290	295,290	100%	3.00000	\$885.87
Plastic Drum, High Intensity, Furn	8120250	0265	493-014-4214	0000	50,000		50,000	50,000	100%	20.00000	\$1,000.00
Plastic Drum, High Intensity, Oper	8120251	0270	493-014-4214	0000	50,000		50,000	50,000	100%	1.00000	\$50.00
Post, Steel, 3 lb	8100371	0220	493-014-4214	0000	107,000	23,000	107,000	107,000	100%	4.00000	\$428.00
Riprap, Plain	8130010	0285	493-014-4214	0000	27,720	2,000	27,720	27,720	100%	55.00000	\$1,524.60
Sewer, CI A, 12 inch, Tr Det B	4020033	0080	493-014-4214	0000	719,900		719,900	719,900	100%	54.00000	\$38,874.60
Sewer, CI A, 15 inch, Tr Det B	4020034	0085	493-014-4214	0000	1,956,900		1,956,900	1,956,900	100%	56.00000	\$109,586.40
Sewer, CI A, 18 inch, Tr Det B	4020035	0090	493-014-4214	0000	1,201,200		1,201,200	1,201,200	100%	59.00000	\$70,870.80
Sewer, CI A, 24 inch, Tr Det B	4020036	0095	493-014-4214	0000	220,000		220,000	220,000	100%	65.00000	\$14,300.00
Sewer, CI A, 42 inch, Tr Det B	4020039	0100	493-014-4214	0000	439,500		439,500	439,500	100%	105.00000	\$46,147.50
Sign, Type B, Temp, Prismatic, Furn	8120350	0275	493-014-4214	0000	481,500		481,500	481,500	100%	5.00000	\$2,407.50
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	493-014-4214	0000	481,500		481,500	481,500	100%	1.00000	\$481.50
Sign, Type III, Erect, Salv	8100402	0225	493-014-4214	0000	0,000		0,000	0,000		100.00000	
Sign, Type III, Rem	8100403	0230	493-014-4214	0000	10,000	6,000	10,000	10,000	100%	20.00000	\$200.00
Sign, Type IIIA	8100404	0235	493-014-4214	0000	54,020	19,020	54,020	54,020	100%	20.00000	\$1,080.40
Slope Restoration, Type A	8160100	0290	493-014-4214	0000	18,629,110		18,629,110	18,629,110	100%	2.50000	\$46,572.78
Subbase, CIP	3010002	0050	493-014-4214	0000	2,106,670		2,106,670	2,106,670	100%	4.00000	\$8,426.68
Subgrade Undercutting, Type II	2050041	0035	493-014-4214	0000	1,262,600		1,262,600	1,262,600	100%	17.00000	\$21,464.20
Underdrain, Subbase, 6 inch	4040063	0175	493-014-4214	0000	8,280,000		8,280,000	8,280,000	100%	1.80000	\$14,904.00
Water Serv, Conflict	8230250	0295	493-014-4214	0000	2,000		2,000	2,000	100%	500.00000	\$1,000.00
<b>Percentage of Contract Completed(curr): 100%</b>											
<b>(total paid to date / total of all authorized work)</b>											
										<b>\$27,309.46</b>	
										<b>\$1,104,898.25</b>	



# Insufficient Materials Report

Estimate: 12

09/12/2016 1:40 PM

FieldManager 5 2a

Isabella CRC

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**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**



Isabella CRC

## Contract Modification

12/09/2015 2:08 PM

FieldManager 5.1a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

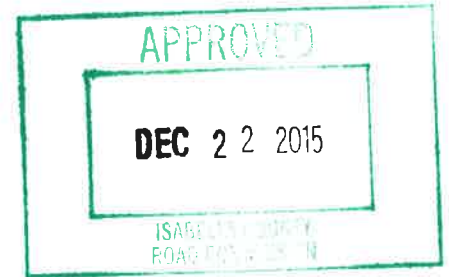
Cont. Mod. Number	Revision Number	Cont. Mod. Date	Electronic File Created	Net Change	Awarded Contract Amount
2		12/09/2015	No	\$52,278.94	\$1,024,628.25
<b>Route</b>		<b>Managing Office</b>		<b>District</b>	<b>Entered By</b>
		Isabella County Road Commission		04583	Patrick J Gaffney
<b>Contract Location</b>					
Enterprise Drive, Venture Way, Parkway Drive					

### Short Description

Enterprise Park (Road and Drainage Improvement Project)

### Description of Changes

- A. Original Contract Amount: \$1,024,628.25
- B. Current Contract Amount (Including this Revision): \$1,096,641.62
- C. Net Total Change (B-A): \$52,278.94
- D. Net Percent Change (C/A\*100): +8.27%
- E. Isabella CRC Oversight Project

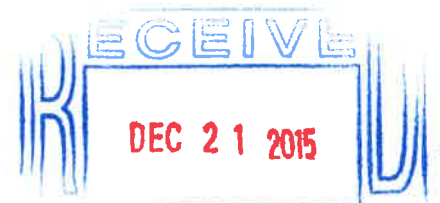


Contract Modification to allow the following Balancing Contract Items of Work:  
Items Balanced to Quantities Placed to Date: 12-09-2015

### Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Subgrade Undercutting, Type II	2050041	0035	0035	493-014-42143	0000	Original	725.930	Cyd	17.00000	\$12,340.81
HMA Surface, Rem	5010005	0180	0180	493-014-42143	0000	Original	101.940	Syd	2.00000	\$203.88
HMA Approach	5010061	0195	0195	493-014-42143	0000	Original	223.590	Ton	120.00000	\$26,830.80

Reason: Increase in quantity is per HMA Wt Tickets in project file. several of the driveways were made larger than plan to help accommodate truck traffic turning into businesses. Also, several driveways we went back beyond the ROW to flatten slope to new curb, thus adding additional quantity to the plan.







### Contract Modification

#### Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Driveway, Nonrein Conc, 6 inch	8010005	0205	0205	493-014-42143	0000	Original	368,670	Syd	35.00000	\$12,903.45

Reason: Increase in quantity is per Final Field Measurements in project file. One of the two additional concrete driveways were shown to be HMA but was actually Concrete with a HMA Surface. The other Concrete Drive was asphalt but the business agreed to pay the difference between HMA and Concrete. Also, Baker Hughes driveway we went back beyond the ROW to flatten slope to new curb, thus adding additional quantity to the plan.

Total Dollar Value: \$52,278.94

#### Project / Category Summary

Project/Catg	Project/Category Description	Federal Number	Project Status	Finance System	Control Section	Dollar Value
193-014-42143	0.87 mi of road reconstruction, including hma base crushing		XMPT	STUL		
0000						\$52,278.94
<b>Total:</b>						<b>\$52,278.94</b>

Total Net Change Amount: \$52,278.94

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.

Prime Contractor: Central Michigan Contracting, Inc.		Recommended by Construction Engineer:	
		Signature	Signature
Signature	Date	Signature	Date
Prepared by Project Engineer: Patrick J. Gaffney, P. E.		Authorized by Managing Office Manager: Tony Casali - Manager	
		Signature	Signature
Signature	Date	Signature	Date



### Item Increases and Decreases by Item

12/09/2015 2:08 PM

Isabella CRC

FieldManager 5.1a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

**Item:** Driveway, Nonreinf Conc, 6 inch

**Code:** 8010005

**Prop. Line:** 0205

**Item:** 8010005, Driveway, Nonreinf Conc, 6 inch

**Prop. Line:** 0205

**Unit:** Syd

**Catg. Auth. Qty:** 187.230

**Catg. Auth. Amt:** \$6,553.05

**Type:** Original

**Unit Price:** \$35.00000

**Catg. Qty. Placed:** 555.900

**Catg. Pending Chgs:** 368.670

**Catg. Qty. Paid:** 187.230

**Project:** 493-014-42143, 0.87 mi of road reconstruction, including hma base crushing , and shapinq

**Category:** 0000,

Cont Mod No	Cont Mod Date	Status	Inc/Dec Quantity	Unit Price	Inc/Dec Amount	Category Quantity	Total Amount
						173.000	\$6,055.00
1	10/12/2015	Approved, 10/20/2015	14.230	35.00000	498.050	187.230	6,553.05
2	12/09/2015	Pending	368.670	35.00000	12,903.450	555.900	19,456.50

**Item:** HMA Approach

**Code:** 5010061

**Prop. Line:** 0195

**Item:** 5010061, HMA Approach

**Prop. Line:** 0195

**Unit:** Ton

**Catg. Auth. Qty:** 393.520

**Catg. Auth. Amt:** \$47,222.40

**Type:** Original

**Unit Price:** \$120.00000

**Catg. Qty. Placed:** 617.110

**Catg. Pending Chgs:** 223.590

**Catg. Qty. Paid:** 393.520

**Project:** 493-014-42143, 0.87 mi of road reconstruction, including hma base crushing , and shapinq

**Category:** 0000,

Cont Mod No	Cont Mod Date	Status	Inc/Dec Quantity	Unit Price	Inc/Dec Amount	Category Quantity	Total Amount
						393.520	\$47,222.40
2	12/09/2015	Pending	223.590	120.00000	26,830.800	617.110	74,053.20



### Item Increases and Decreases by Item

**Item:** HMA Surface, Rem

**Code:** 5010005

**Prop. Line:** 0180

**Item:** 5010005, HMA Surface, Rem

**Prop. Line:** 0180

**Unit:** Syd

**Catg. Auth. Qty:** 2,638.000

**Catg. Auth. Amt:** \$5,276.00

**Type:** Original

**Unit Price:** \$2.00000

**Catg. Qty. Placed:** 2,739.940

**Catg. Pending Chgs:** 101.940

**Catg. Qty. Paid:** 2,638.000

**Project:** 493-014-42143, 0.87 mi of road reconstruction, including hma base crushing , and shapin

**Category:** 0000,

Cont Mod No	Cont Mod Date	Status	Inc/Dec Quantity	Unit Price	Inc/Dec Amount	Category Quantity	Total Amount
						2,638.000	\$5,276.00
2	12/09/2015	Pending	101.940	2.00000	203.880	2,739.940	5,479.88

**Item:** Subgrade Undercutting, Type II

**Code:** 2050041

**Prop. Line:** 0035

**Item:** 2050041, Subgrade Undercutting, Type II

**Prop. Line:** 0035

**Unit:** Cyd

**Catg. Auth. Qty:** 536.670

**Catg. Auth. Amt:** \$9,123.39

**Type:** Original

**Unit Price:** \$17.00000

**Catg. Qty. Placed:** 1,262.600

**Catg. Pending Chgs:** 725.930

**Catg. Qty. Paid:** 536.670

**Project:** 493-014-42143, 0.87 mi of road reconstruction, including hma base crushing , and shapin

**Category:** 0000,

Cont Mod No	Cont Mod Date	Status	Inc/Dec Quantity	Unit Price	Inc/Dec Amount	Category Quantity	Total Amount
						200.000	\$3,400.00
1	10/12/2015	Approved, 10/20/2015	336.670	17.00000	5,723.390	536.670	9,123.39
2	12/09/2015	Pending	725.930	17.00000	12,340.810	1,262.600	21,464.20



# Contract Modification

Isabella CRC

6/16/2016 5:30 PM

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

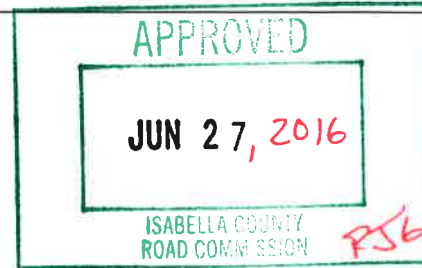
<b>Cont. Mod. Number</b> 3	<b>Revision Number</b> 1	<b>Cont. Mod. Date</b> 6/16/2016	<b>Electronic File Created</b> No	<b>Net Change</b> \$22,290.20	<b>Awarded Contract Amount</b> \$1,024,628.25
<b>Route</b>		<b>Managing Office</b> Isabella County Road Commission		<b>District</b> 04583	<b>Entered By</b> Patrick J Gaffney
<b>Contract Location</b> Enterprise Drive, Venture Way, Parkway Drive					

### Short Description

Enterprise Park (Road and Drainage improvement project)

### Description of Changes

- A. Original Contract Amount: \$1,024,628.25
- B. Current Contract Amount (Including this Revision): \$1,131,665.78
- C. Net Total Change (B-A): \$107,037.53
- D. Net Percent Change (C/A\*100): +10.45%
- E. Isabella CRC Oversight Project



Contract Modification to allow the following Extra Items of Work: San. Sewer CI A , 6 inch, TDB (Lowering Sewer Lead), Hydrant Adj, Crushed Concrete, Irrigation System Relocation Easement Area, Retaining Wall.

### New Items

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	ItemType	Proposed Quantity	Unit	Unit Price	Dollar Value
_ San. Sewer CI A, 6 inch, TDB (Lowering San Sewer Leads)	4027001	0340	0340	493-014-42143	0000	Extra	90.000	Ft	37.34000	\$3,360.60

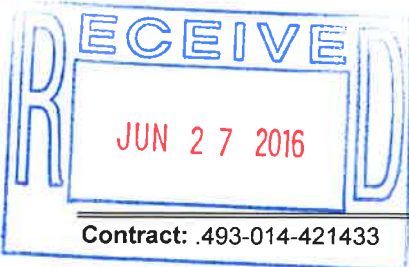
Reason: Extra item needed to lower sanitary sewer leads to allow storm sewer to be placed at the lowest possible elevation. Unit price was agreed upon between the Contractor and Engineer for work that was performed.

_ Hydrant, Adj	8237050	0345	0345	493-014-42143	0000	Extra	1.000	Ea	1,240.00000	\$1,240.00
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Reason: Extra Item of work needed to adjust existing hydrant to grade after ditches were enclosed by placement of curb and gutter and storm sewer. Unit price was agreed upon between the Contractor and Engineer for work that was performed.

_ Crushed Concrete	3027031	0350	0350	493-014-42143	0000	Extra	179.080	Ton	25.00000	\$4,477.00
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Reason: Extra item was needed to stabilize aggregate base in area where undercut was not possible due to underground electric lines. Unit price was agreed upon between the Contractor and Engineer for work that was performed.



Contract: .493-014-421433

Cont. Mod.: 3, Rev. 1

Page 1 of 2



# Contract Modification

Isabella CRC

6/16/2016 5:30 PM

FieldManager 5.2a

## New Items

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg. ItemType	Proposed Quantity	Unit	Unit Price	Dollar Value
_ Irrigation System Relocation Hyde Rd Easement Area	8137001	0355	0355	493-014-42143	0000 Extra	260.000	Ft	3.81000	\$990.60

Reason: Extra item needed for the Relocation of existing sprinkler system in easement area, was required to construct roadway and turn around on Hyde Road. Unit price was agreed upon between the Contractor and Engineer for work that was performed.

_ Retaining Wall	8167010	0360	0360	493-014-42143	0000 Extra	252.000	Sft	48.50000	\$12,222.00
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Reason: Extra Item for Retaining wall required to maintain slope from back of curb to Easement Line on Hyde Road. Unit price was agreed upon between the Contractor and Engineer for work that was performed.

Total Dollar Value: **\$22,290.20**

## Project / Category Summary

Project/Catg	Project/Category Description	Federal Number	Project Status	Finance System	Control Section	Dollar Value
193-014-42143 0000	0.87 mi of road reconstruction, including hma base crushing		XMPT	STUL		\$22,290.20

Total: **\$22,290.20**

Total Net Change Amount: **\$22,290.20**

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.

Prime Contractor: Central Michigan Contracting, Inc.  Signature	 Date	Recommended by Construction Engineer:  Signature	 Date
Prepared by Project Engineer: Patrick J. Gaffney, P. E.  Signature	 Date	Authorized by Managing Office Manager: Tony Casali - Manager  Signature	 Date



Isabella CRC

# Contract Modification

07/26/2016 2:25 PM

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

<b>Cont. Mod. Number</b> 4	<b>Revision Number</b>	<b>Cont. Mod. Date</b> 07/26/2016	<b>Electronic File Created</b> No	<b>Net Change</b> \$7,367.51	<b>Awarded Contract Amount</b> \$1,024,628.25
<b>Route</b>		<b>Managing Office</b> Isabella County Road Commission		<b>District</b> 04583	<b>Entered By</b> Tom Nelson
<b>Contract Location</b> Enterprise Drive, Venture Way, Parkway Drive					

### Short Description

Enterprise Drive, Venture Way, and Parkway Drive

### Description of Changes

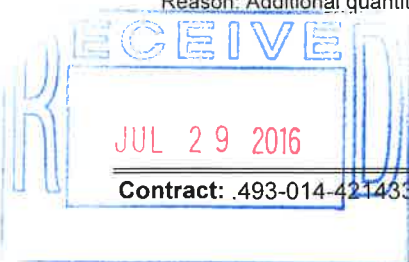
- A. Original Contract Amount: \$1,024,628.25
  - B. Current Contract Amount (Including this revision): \$1,139,033.29
  - C. Net Total CHange(B-A): \$114,405.04
  - D. Net Percent Change (C/A\*100);: +11.17%
  - E. Isabella CRC Oversight Project
- Authorization is requested to balance the following items to the final constructed quantities.



### Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Pavt, Rem	2040050	0020	0020	493-014-42143	0000	Original	-303.710	Syd	3.00000	\$-911.13
Subbase, CIP	3010002	0050	0050	493-014-42143	0000	Original	-4,089.330	Cyd	4.00000	\$-16,357.32
Reason: Decrease in quantity due to some of existing granular material meeting specification and therefore left in place.										
Aggregate Base	3020001	0055	0055	493-014-42143	0000	Original	-305.250	Ton	12.00000	\$-3,663.00
HMA Base Crushing and Shaping	3050002	0060	0060	493-014-42143	0000	Original	1,111.020	Syd	2.00000	\$2,222.04
Sewer, CI A, 12 inch, Tr Det B	4020033	0080	0080	493-014-42143	0000	Original	238.100	Ft	54.00000	\$12,857.40

Reason: Additional quantity of sewer necessary due to existing underground utilities and also for a secondary outlet for the system.



Contract: .493-014-421433

Cont. Mod.: 4



Isabella CRC

## Contract Modification

07/26/2016 2:25 PM

FieldManager 5.2a

### Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Sewer, CI A, 15 inch, Tr Det B	4020034	0085	0085	493-014-42143	0000	Original	41.500	Ft	56.00000	\$2,324.00
Sewer, CI A, 18 inch, Tr Det B	4020035	0090	0090	493-014-42143	0000	Original	-73.900	Ft	59.00000	\$-4,360.10
Sewer, CI A, 24 inch, Tr Det B	4020036	0095	0095	493-014-42143	0000	Original	13.700	Ft	65.00000	\$890.50
Sewer, CI A, 42 inch, Tr Det B	4020039	0100	0100	493-014-42143	0000	Original	-15.300	Ft	105.00000	\$-1,606.50
Dr Structure, 24 inch dia	4030200	0135	0135	493-014-42143	0000	Original	-3.000	Ea	900.00000	\$-2,700.00
Dr Structure, 48 inch dia	4030210	0140	0140	493-014-42143	0000	Original	5.000	Ea	1,300.00000	\$6,500.00
Reason: Additional structures required due to underground utility conflicts. (water and sanitary sewer)										
HMA Surface, Rem	5010005	0180	0180	493-014-42143	0000	Original	485.220	Syd	2.00000	\$970.44
HMA, 3C	5010031	0185	0185	493-014-42143	0000	Original	-129.390	Ton	58.00000	\$-7,504.62
Reason: Decrease in quantity due to use of 4C for leveling on Hyde Street										
HMA, 4C	5010032	0190	0190	493-014-42143	0000	Original	253.100	Ton	64.00000	\$16,198.40
Reason: Increase in quantity due to using 4C in lieu of 3C for leveling course on Hyde Street										
HMA Approach	5010061	0195	0195	493-014-42143	0000	Original	19.320	Ton	120.00000	\$2,318.40



Isabella CRC

# Contract Modification

07/26/2016 2:25 PM

FieldManager 5.2a

## Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Sign, Type B, Temp, Prismatic, Furn	8120350	0275	0275	493-014-42143	0000	Original	31.500	Sft	5.00000	\$157.50
Sign, Type B, Temp, Prismatic, Oper	8120351	0280	0280	493-014-42143	0000	Original	31.500	Sft	1.00000	\$31.50

Total Dollar Value: \$7,367.51

## Project / Category Summary

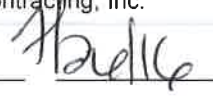
Project/Catg	Project/Category Description	Federal Number	Project Status	Finance System	Control Section	Dollar Value
193-014-42143 0000	0.87 mi of road reconstruction, including hma base crushing		XMPT	STUL		\$7,367.51

Total: \$7,367.51

Total Net Change Amount: \$7,367.51

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.

Prime Contractor: Central Michigan Contracting, Inc.

   
 Signature Date

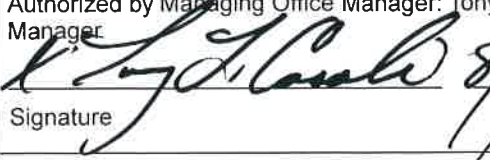

Recommended by Construction Engineer:

\_\_\_\_\_  
 Signature Date

Prepared by Project Engineer: Patrick J. Gaffney, P. E.

   
 Signature Date

Authorized by Managing Office Manager: Tony Casali - Manager

   
 Signature Date





## Contract Modification

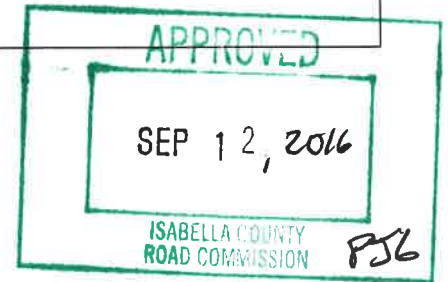
Isabella CRC

09/01/2016 1:39 PM

FieldManager 5.2a

**Contract: .493-014-421433, 0.87 mi of road reconstruction, including hma base crushing**

<b>Cont. Mod. Number</b> 5	<b>Revision Number</b>	<b>Cont. Mod. Date</b> 09/01/2016	<b>Electronic File Created</b> No	<b>Net Change</b> \$-34,135.05	<b>Awarded Contract Amount</b> \$1,024,628.25
<b>Route</b>		<b>Managing Office</b> Isabella County Road Commission		<b>District</b> 04583	<b>Entered By</b> Tom Nelson
<b>Contract Location</b> Enterprise Drive, Venture Way, Parkway Drive					



**Short Description**

Enterprise Drive, Venture Way, and Parkway Drive

**Description of Changes**

- A. Original Contract Amount: \$1,024,628.25
  - B. Current Contract Amount (including this revision): \$1,104,898.24
  - C. Net Total Change (B-A): \$80,269.99
  - D. Net Percent Change (C/A\*100): 7.83%
  - E. Isabella CRC Oversight Project
- Authorization is requested for the following items to be balanced to final constructed quantities

**Increases / Decreases**

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Culv, Rem, Less than 24 inch	2030001	0010	0010	493-014-42143	0000	Original	-7.000	Ea	100.00000	\$-700.00
Curb and Gutter, Rem	2040020	0015	0015	493-014-42143	0000	Original	-89.000	Ft	2.00000	\$-178.00
Excavation, Earth	2050016	0030	0030	493-014-42143	0000	Original	-3,050.350	Cyd	2.00000	\$-6,100.70
Reason: Decrease in quantity due to subbase left in place.										
Ero Con, Inlet Protection, Fabric Drop	2080020	0040	0040	493-014-42143	0000	Original	-45.000	Ea	50.00000	\$-2,250.00
Erosion Control, Silt Fence	2080036	0045	0045	493-014-42143	0000	Original	-300.000	Ft	2.00000	\$-600.00



### Contract Modification

#### Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Approach, CI I, 6 inch	3070008	0065	0065	493-014-42143	0000	Original	-2,760.000	Syd	4.50000	-\$12,420.00
Reason: Item not used. No gravel drives. All drives were paved to ROW										
Dr Structure Cover, Adj, Case 1	4030005	0105	0105	493-014-42143	0000	Original	-3.000	Ea	300.00000	-\$900.00
Dr Structure Cover, Adj, Case 2	4030006	0110	0110	493-014-42143	0000	Original	-13.000	Ea	200.00000	-\$2,600.00
Dr Structure Cover, Type B	4030010	0115	0115	493-014-42143	0000	Original	2.000	Ea	550.00000	\$1,100.00
Dr Structure Cover, Type D	4030025	0120	0120	493-014-42143	0000	Original	-3.000	Ea	690.00000	-\$2,070.00
Dr Structure Cover, Type E	4030035	0125	0125	493-014-42143	0000	Original	-2.000	Ea	450.00000	-\$900.00
Dr Structure Cover, Type K	4030050	0130	0130	493-014-42143	0000	Original	7.000	Ea	750.00000	\$5,250.00
Reason: Increase per FFM. K covers placed on structureds added to project and inn lieu of some D covers										
Dr Structure, Tap, 6 inch	4030306	0150	0150	493-014-42143	0000	Original	15.000	Ea	500.00000	\$7,500.00
Reason: Initial plans did not specify 6" coring of structures to accomodate underdrain.										
Dr Structure, Tap, 12 inch	4030312	0155	0155	493-014-42143	0000	Original	4.000	Ea	500.00000	\$2,000.00
Dr Structure, Tap, 15 inch	4030315	0160	0160	493-014-42143	0000	Original	3.000	Ea	800.00000	\$2,400.00



Isabella CRC

# Contract Modification

09/01/2016 1:39 PM

FieldManager 5.2a

## Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Dr Structure, Tap, 18 inch	4030318	0165	0165	493-014-42143	0000	Original	2.000	Ea	1,500.00000	\$3,000.00
Underdrain, Subbase, 6 inch	4040063	0175	0175	493-014-42143	0000	Original	-1,212.000	Ft	1.80000	\$-2,181.60
Conc Pavt, Misc, Reinf, 9 inch	6020076	0200	0200	493-014-42143	0000	Original	-412.220	Syd	49.00000	\$-20,198.78
Reason: Error in plan quantity for Hyde Road. Existing concrete by Shell gas station in good shape and left in place.										
Driveway, Nonreinf Conc, 6 inch	8010005	0205	0205	493-014-42143	0000	Original	146.990	Syd	35.00000	\$5,144.65
Reason: Increase per Final Field Measurements. Necessary to go beyond ROW at a couple of locations to obtain required slope.										
Curb and Gutter, Conc, Det F4	8020038	0210	0210	493-014-42143	0000	Original	15.100	Ft	14.00000	\$211.40
Driveway Opening, Conc, Det M	8020050	0215	0215	493-014-42143	0000	Original	-54.600	Ft	17.00000	\$-928.20
Post, Steel, 3 lb	8100371	0220	0220	493-014-42143	0000	Original	23.000	Ft	4.00000	\$92.00
Sign, Type III, Erect, Salv	8100402	0225	0225	493-014-42143	0000	Original	-1.000	Ea	100.00000	\$-100.00
Reason: Item of work not used on project										
Sign, Type III, Rem	8100403	0230	0230	493-014-42143	0000	Original	4.000	Ea	20.00000	\$80.00
Sign, Type IIIA	8100404	0235	0235	493-014-42143	0000	Original	19.020	Sft	20.00000	\$380.40



Isabella CRC

## Contract Modification

09/01/2016 1:39 PM

FieldManager 5.2a

### Increases / Decreases

Item Description	Item Code	Prop. Line	Proj. Line	Project	Catg.	Item Type	Quantity Change	Unit	Unit Price	Dollar Value
Riprap, Plain	8130010	0285	0285	493-014-42143	0000	Original	2.000	Syd	55.00000	\$110.00
Slope Restoration, Type A	8160100	0290	0290	493-014-42143	0000	Original	-2,230.890	Syd	2.50000	\$-5,577.23
Water Serv, Conflict	8230250	0295	0295	493-014-42143	0000	Original	-1.000	Ea	500.00000	\$-500.00
Water Main Conflict,	8237050	0310	0310	493-014-42143	0000	Original	-1.000	Ea	3,200.00000	\$-3,200.00
6										
Geotextile, Separator	3080005	0330	0330	493-014-42143	0000	Extra	0.670	Syd	1.50000	\$1.01

**Total Dollar Value: \$-34,135.05**

### Project / Category Summary

Project/Catg	Project/Category Description	Federal Number	Project Status	Finance System	Control Section	Dollar Value
193-014-42143	0.87 mi of road reconstruction, including hma base crushing		XMPT	STUL		
0000						\$-34,135.05
<b>Total:</b>						<b><u>\$-34,135.05</u></b>

**Total Net Change Amount: \$-34,135.05**



Isabella CRC

### Contract Modification

09/01/2016 1:39 PM

FieldManager 5.2a

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.

Prime Contractor: Central Michigan Contracting, Inc.		Recommended by Construction Engineer:	
	9/3/16	_____	_____
Signature	Date	Signature	Date
Prepared by Project Engineer: Patrick J. Gaffney, P. E.		Authorized by Managing Office Manager: Tony Casali - Manager	
	12 Sept 2016		9/12/2016
Signature	Date	Signature	Date

# REQUEST FOR TOWNSHIP BOARD ACTION

<b>To:</b> EDDA – Economic Development Authority	<b>DATE:</b> September 9, 2016
<b>FROM:</b> Kim Smith – Public Works Coordinator	<b>DATE FOR BOARD CONSIDERATION:</b> September 20, 2016
<b>ACTION REQUESTED:</b> Request to Award Bid for 2016 Sanitary Sewer Manhole Rehabilitation - EDDA	

Current Action  Emergency

Funds Budgeted: If Yes  Account # 248-000-976.200 District Projects  No  N/A

Finance Approval Sherrie Teall

## BACKGROUND INFORMATION

In 2015, the DDA funded a project to clean and televise 22,706 feet of sanitary sewer main located within the EDDA boundaries. This project was completed in the fall of 2015. Since that time the Township DPW has reviewed the video tapes and completed visual inspections to assess the condition of the sewer mains as well as the manholes in this area. The Township’s DPW found 16 manholes that need rehabilitation work. At the July 19, 2016, DDA meeting the Board approved to move forward with the rehabilitation project and accept bids for the rehabilitation of these 16 sanitary sewer manholes.

## SCOPE OF SERVICES

The scope of services includes all work, materials and equipment required for the structural rehabilitation of sixteen (16) sanitary sewer manholes. The sixteen (16) manholes are located within the boundaries of the East Downtown Development Authority. The purpose is to clean, vacuum, and inspect sanitary sewer manholes as well as eliminate infiltration, repair voids, restore structural integrity and provide corrosion protection by the application of a spray-applied monolithic resin liner to the wall and bench surfaces of the concrete manhole structures.

## JUSTIFICATION

I recommend that the project be awarded to Culy Contracting Inc. in the amount of \$75,012.00. This recommendation is based on the following factors:

- Proposed materials meet specifications
- Contractor’s past experience and ability to complete the project as specified
- Cost

The Township DPW Department has not worked with this contractor in the past so we called several communities they have worked for to check their satisfaction with the material, and the contractor’s performance. All of the communities we talked to were happy with the quality of their work, performance, and would hire them again.

**PROJECT IMPROVEMENTS**

Board of Trustee’s goals addressed by this project (From Policy 1.0: Global End):

1. Community well-being and common good
2. Safety
3. Health
4. Natural Environment

**COSTS**

\$75,012.00

**PROJECT TIME TABLE**

WORK TO BE COMPLETED BY NOVEMBER 1, 2016

**RESOLUTION**

Authorization is hereby given to Culy Contracting to complete the rehabilitation of 16 sanitary sewer manholes as specified in the bid documents in the amount of \$75,012.00

Resolved by \_\_\_\_\_ Seconded by \_\_\_\_\_

- Yes:
- No:
- Absent: