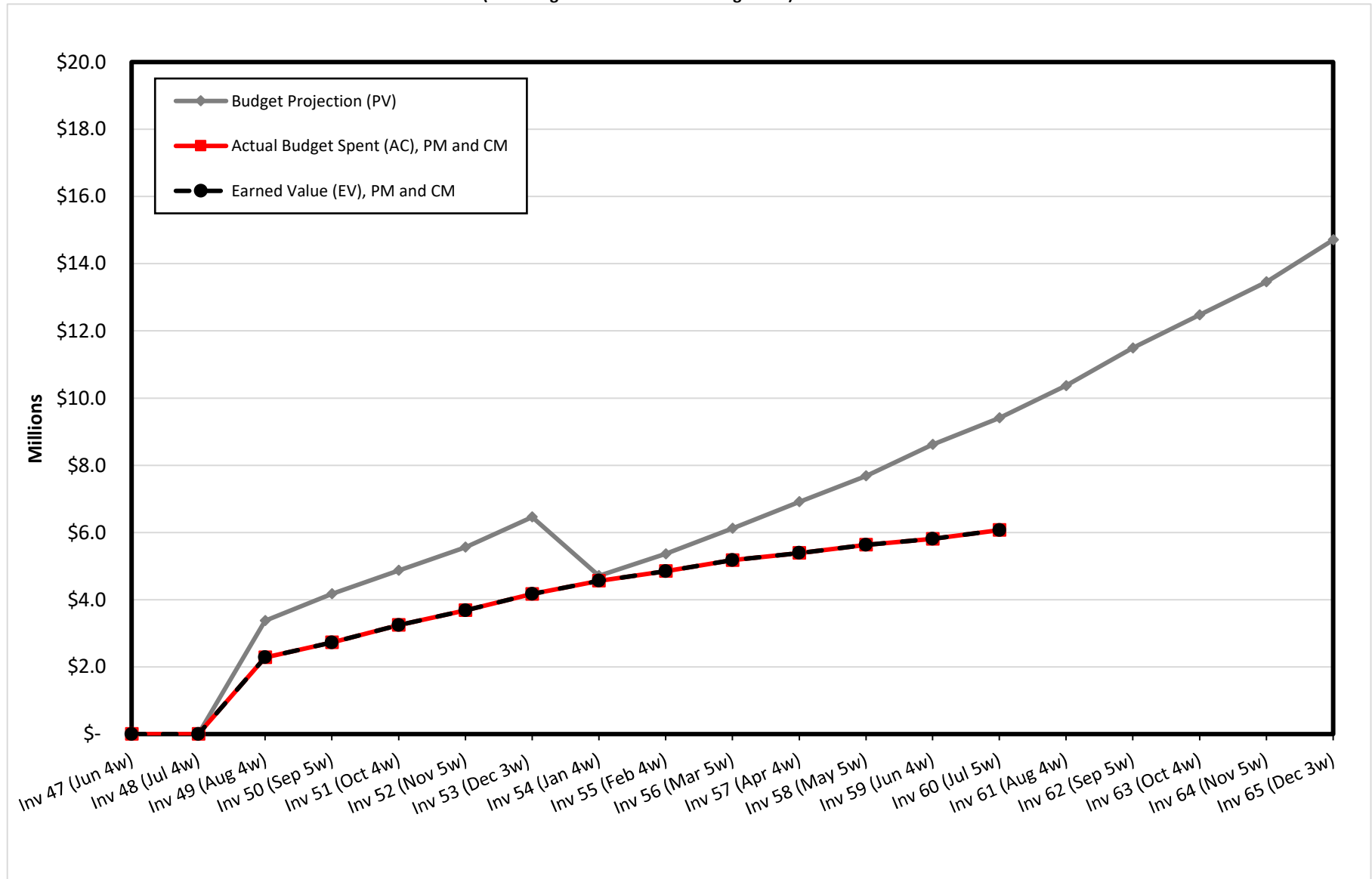


Great Lakes Water Supply Program PM/CM  
Program  
Earned Value Chart  
Phase 3 (Invoice No. 60)  
(Excluding Allowances and Contingencies)



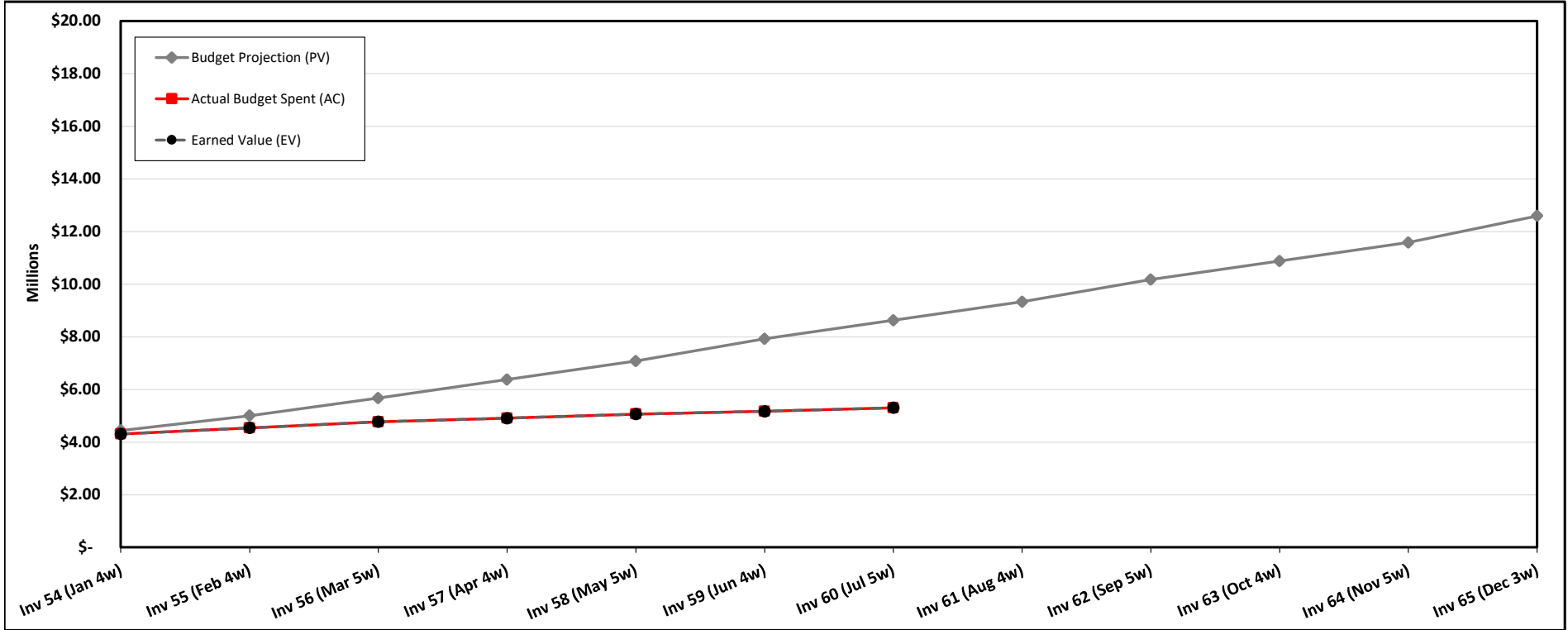
% Spent 36.0%

Actual Budget Spent \$6,069,118

Schedule Performance Index (SPI) 0.64

Cost Performance Index (CPI) 1.00

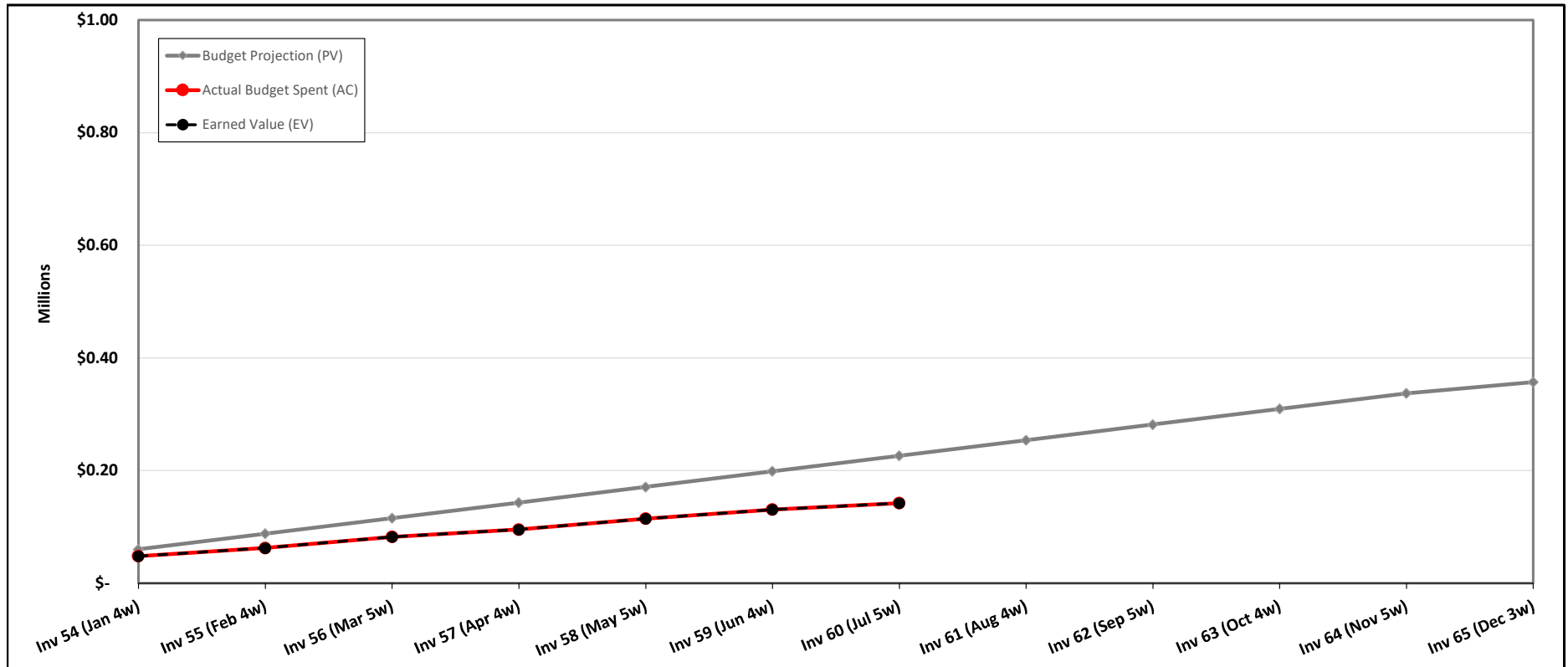
Note: Budget associated with Task 3-300, 5-200 and 5-300 water quality scope has been removed.



Earned Value Calculations	
Budget at Completion <sup>(BAC)(1)</sup> (BAC)	\$ 14,630,234
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 9,327,457
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ -
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ (9,327,457)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	1.00
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.36
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	0.36
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 14,630,234.47
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ -

Section 1	Program Management Plan/Progress
	<ul style="list-style-type: none"> <li>Prepare Monthly Program Status Report and Invoice No. 59.</li> <li>Held CP3 and CP2B Construction Open House in the City of Waukesha on August 2.</li> <li>Finalized press release on the Department of Natural Resources (DNR)'s issuance of the diversion approval.</li> <li>Discussed approach for dewatering on Sentry Drive.</li> <li>Snake and turtle communications, coordination, and site survey/monitoring at Booster Pumping Station (BPS) Site.</li> <li>Managed response to inadvertent release (IR) along Ryan Road and 112th Street.</li> <li>Revised and finalized Rusty Patch Bumblebee (RPBB) plan.</li> <li>Provided THPO with daily schedule update for the start of construction in the archaeological site along Durham Drive.</li> <li>Provided inspection services of open cut, HDD and jack and bore pipeline installations.</li> <li>Provided inspection services at the Outfall Facility.</li> <li>Prepared field orders, requests for proposal and work change directives.</li> </ul>

Section 1	Program Management Challenges
	<ul style="list-style-type: none"> <li>Lack of construction schedule from Contractor has impacted the ability to acquire the WisDOT Permits.</li> <li>SJ Louis delays providing CP5 and CP6 monthly schedule updates to GWA.</li> </ul>



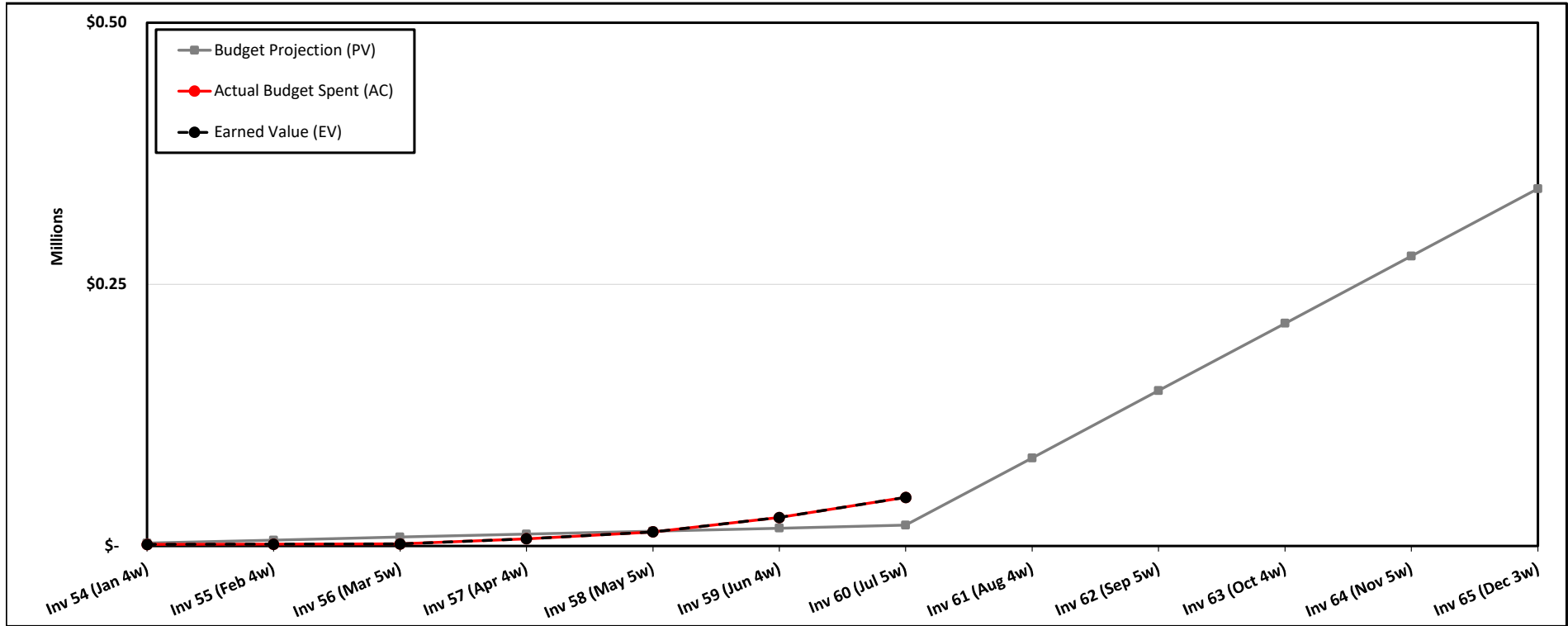
Earned Value Calculations	
Budget at completion <sup>(BAC)</sup> (BAC)	\$ 404,090
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 4,860,185
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ (130,568)
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ (392,616)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	0.08
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.03
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	0.00
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 5,002,227.19
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ (4,598,137.19)

**Section 2 Water Supply Pipeline Section I, II and III and Station Suction Pipelines, Contract Package 2A Plan/Progress**

- Eight (8) submittals were reviewed.
- One (1) RFI was reviewed.
- Field construction inspection at open-cut along Coffee Road.

**Section 2 Water Supply Pipeline Section I, II and III and Station Suction Pipelines, Contract Package 2A Challenges**

- No Challenges.



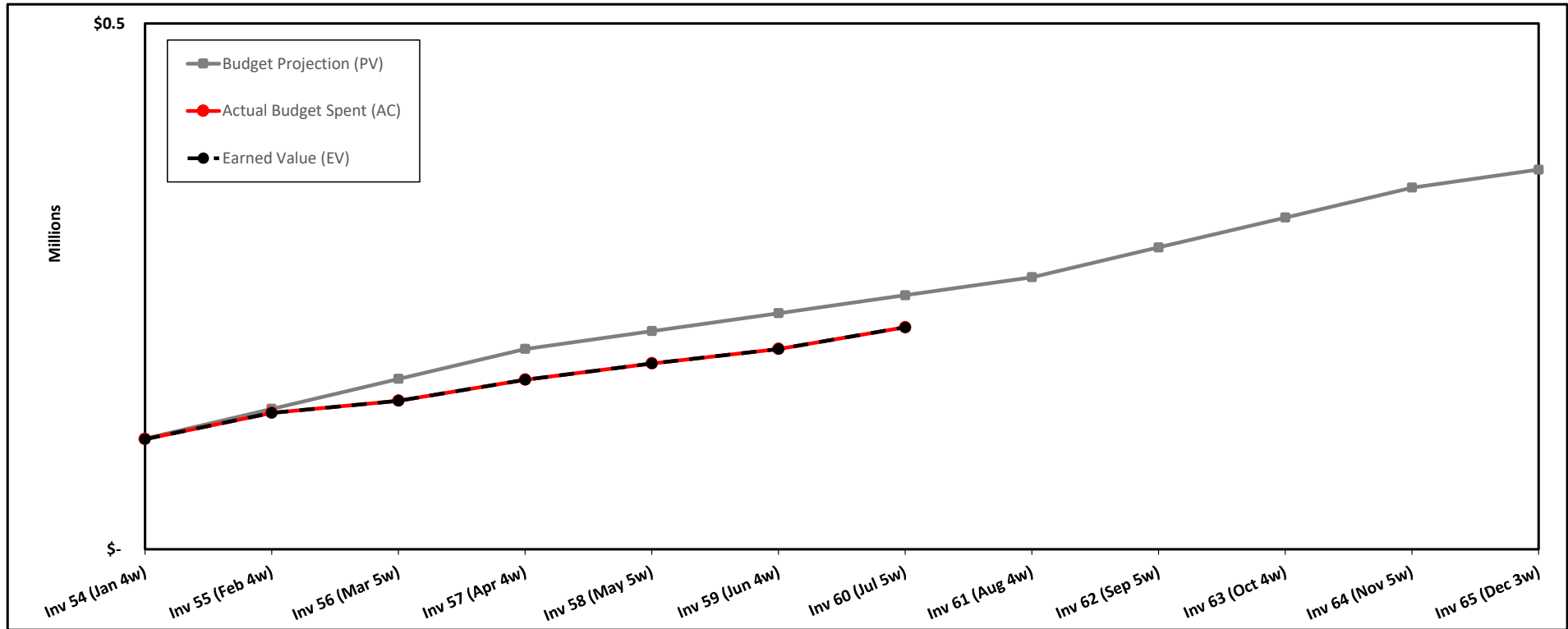
Earned Value Calculations	
Budget at completion <sup>(BAC)(1)</sup> (BAC)	\$ 341,382
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 782,117
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ (27,244)
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ (322,287)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	0.41
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.06
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	0.02
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 828,455.74
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ (487,073.36)

**Section 3 Return Flow Pipeline, BPS Discharge Pipeline, and Water Supply Pipeline, Contract Package 2B Plan/Progress**

- Forty three (43) submittals were reviewed.
- Two (2) RFIs were reviewed.

**Section 3 Return Flow Pipeline, BPS Discharge Pipeline, and Water Supply Pipeline, Contract Package 2B Challenges**

- No challenges.



Note: The Task 4 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

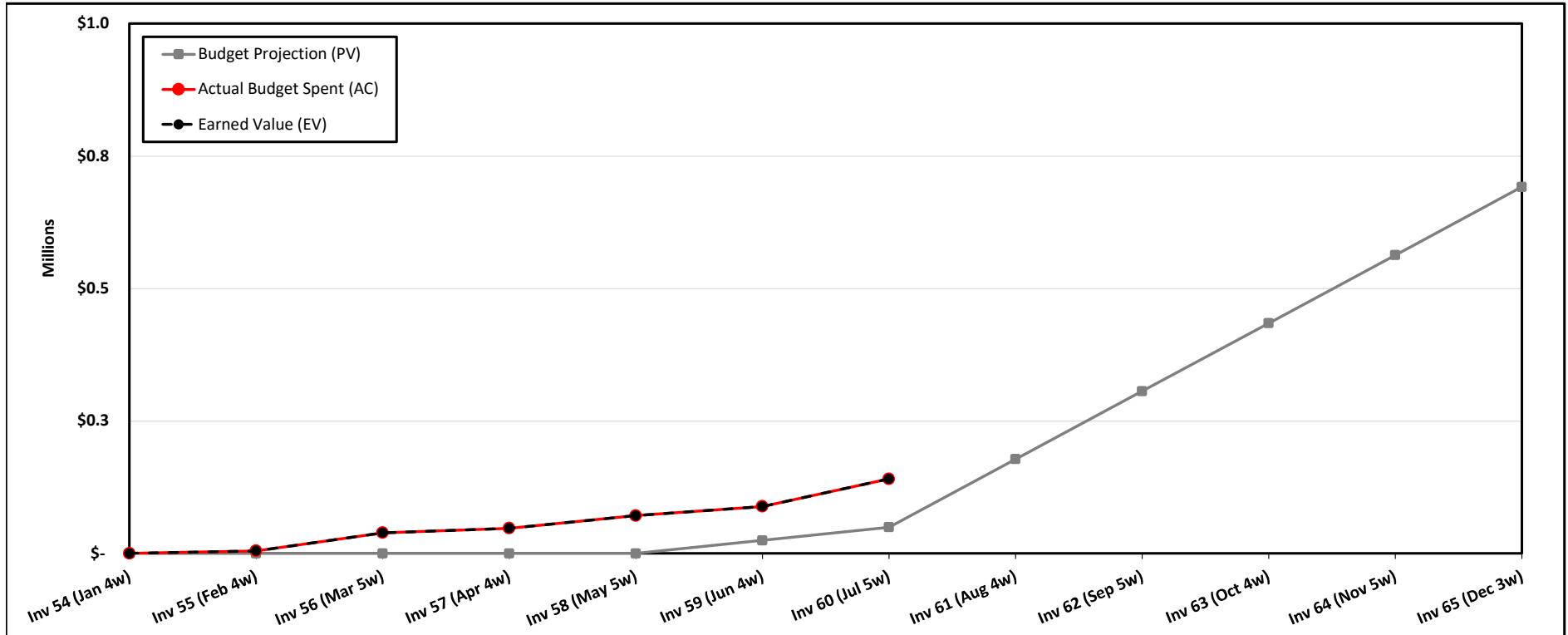
Earned Value Calculations	
Budget at completion <sup>(BAC)</sup> (BAC)	\$ 381,662
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 170,446
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ -
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ (170,446)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	1.00
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.55
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	0.55
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 381,662.16
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ -

#### Section 4 Return Flow Pipeline, Contract Package 5 Plan/Progress

- Ten (10) submittals were reviewed.
- Two (2) RFIs were reviewed.
- Conducted site visit on July 8 to Site 12.17 to observe soil and collect groundwater samples from the dewatering wells.
- Conducted site visit to observe and document excavation of contaminated soil at site 12.31 on July 9 and July 10.
- Responded to contractor regarding sewer lateral break on West Avenue on July 21.
- Field construction inspection at jack and bore on Sunset Drive.

#### Section 4 Return Flow Pipeline, Contract Package 5 Challenges

- Lack of construction schedule from Contractor has impacted the ability to accurately staff for shop drawings being submitted for review.



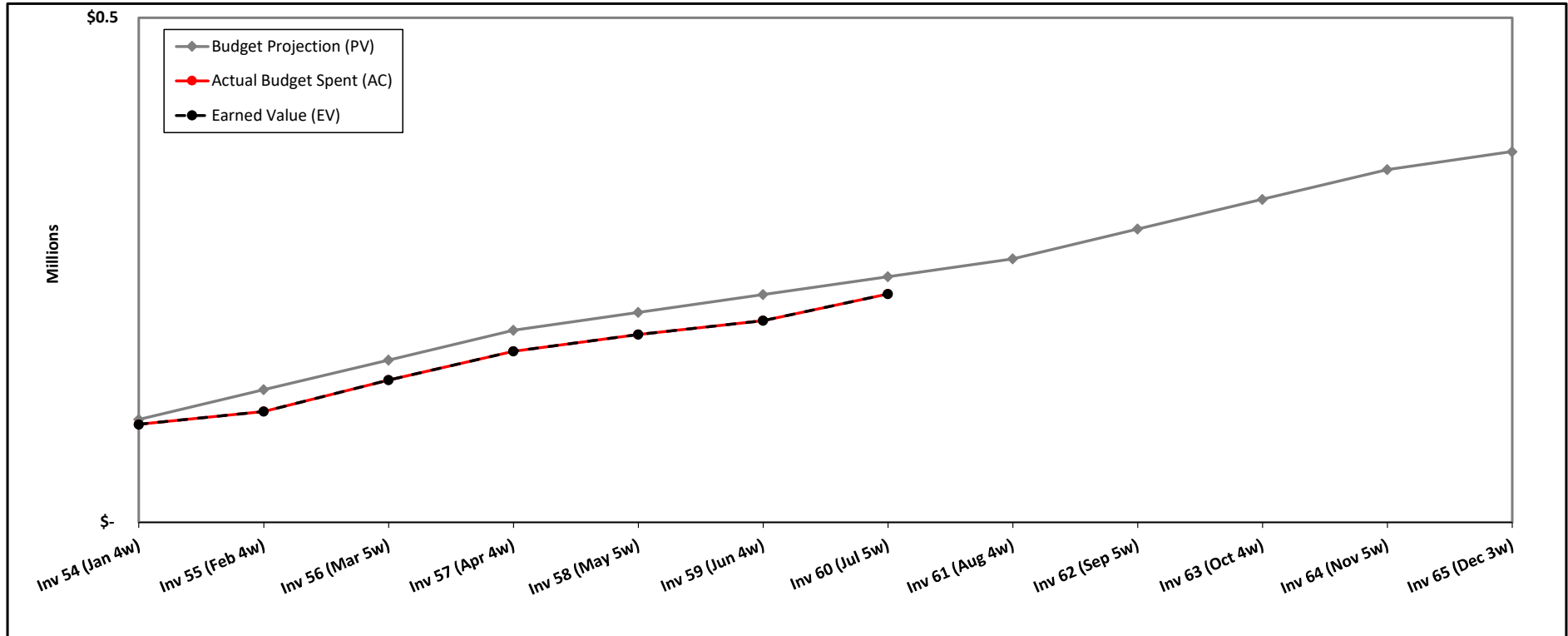
Earned Value Calculations	
Budget at completion <sup>(BAC)(1)</sup> (BAC)	\$ 691,644
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 1,739,890
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ (88,796)
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ (639,979)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	0.37
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.07
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	0.03
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 1,880,350.99
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ (1,188,706.84)

#### Section 5 Booster Pumping Station, Contract Package 3 Plan/Progress

- Forty (40) submittals were reviewed.
- Five (5) RFIs were reviewed.

#### Section 5 Booster Pumping Station, Contract Package 3 Challenges

- Lack of schedule of submittals from Contractor has impacted the ability to accurately staff for shop drawings being submitted for review.



Earned Value Calculations	
Budget at completion <sup>(BAC)(1)</sup> (BAC)	\$ 409,706
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 3,286,584
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ (199,889)
Schedule Variance (SV) (SV=EV-PV)	\$ (383,315)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	0.12
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.06
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	0.01
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 3,512,864.97
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ (3,103,158.85)

#### Section 6 Return Flow Pipeline, Contract Package 6 Plan/Progress

- Twelve (12) submittals were reviewed.
- Two (2) RFI was reviewed.
- Investigated and documented IR along Ryan Road and 112th St.
- Field construction inspection at horizontal directional drill (HDD) on Ryan Road and open-cut on Durham Drive.

#### Section 6 Return Flow Pipeline, Contract Package 6 Challenges

- Lack of construction schedule from Contractor has impacted the ability to accurately staff for shop drawings being submitted for review.