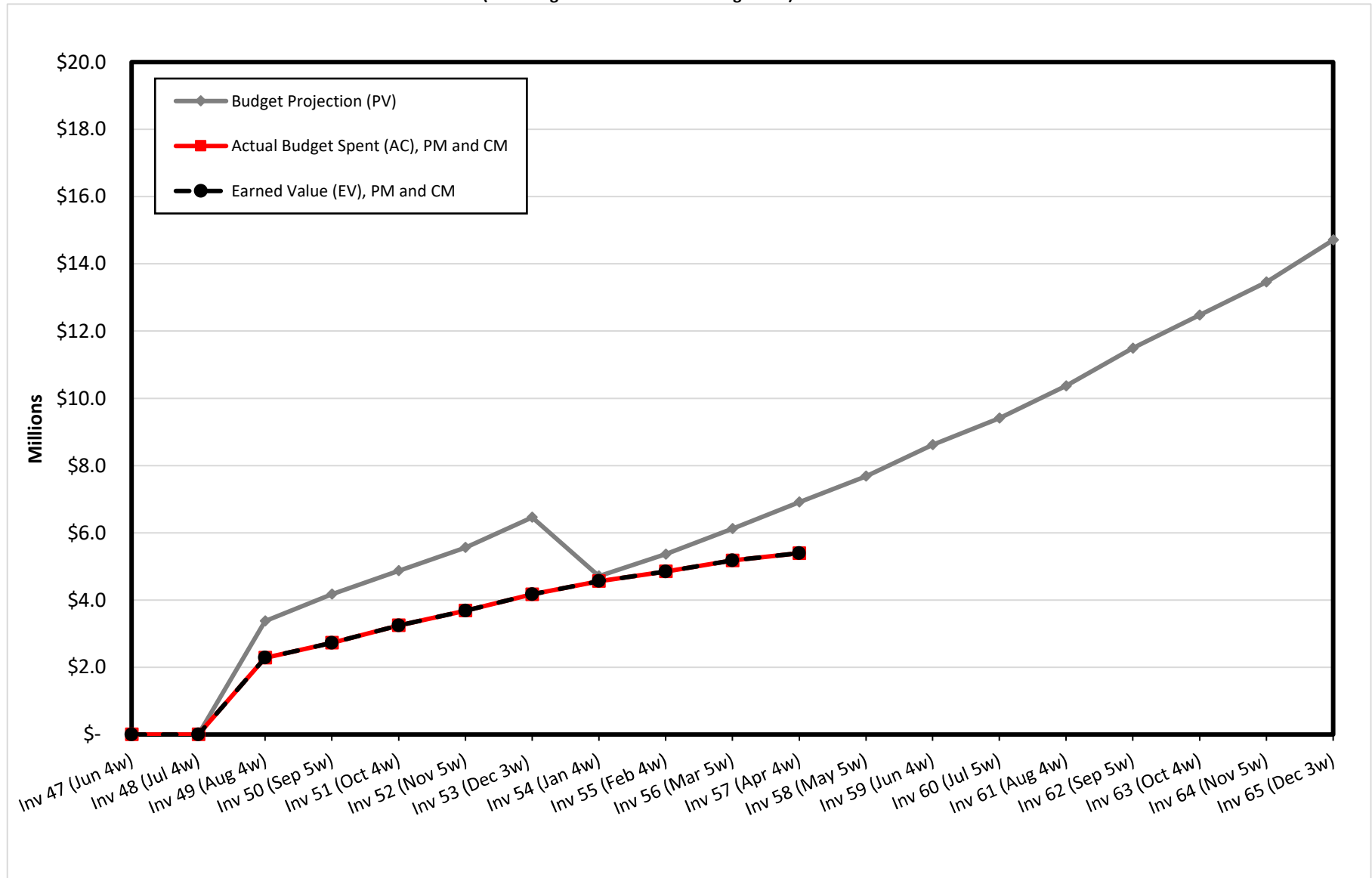




Exhibit 5 – Earned Value Analysis



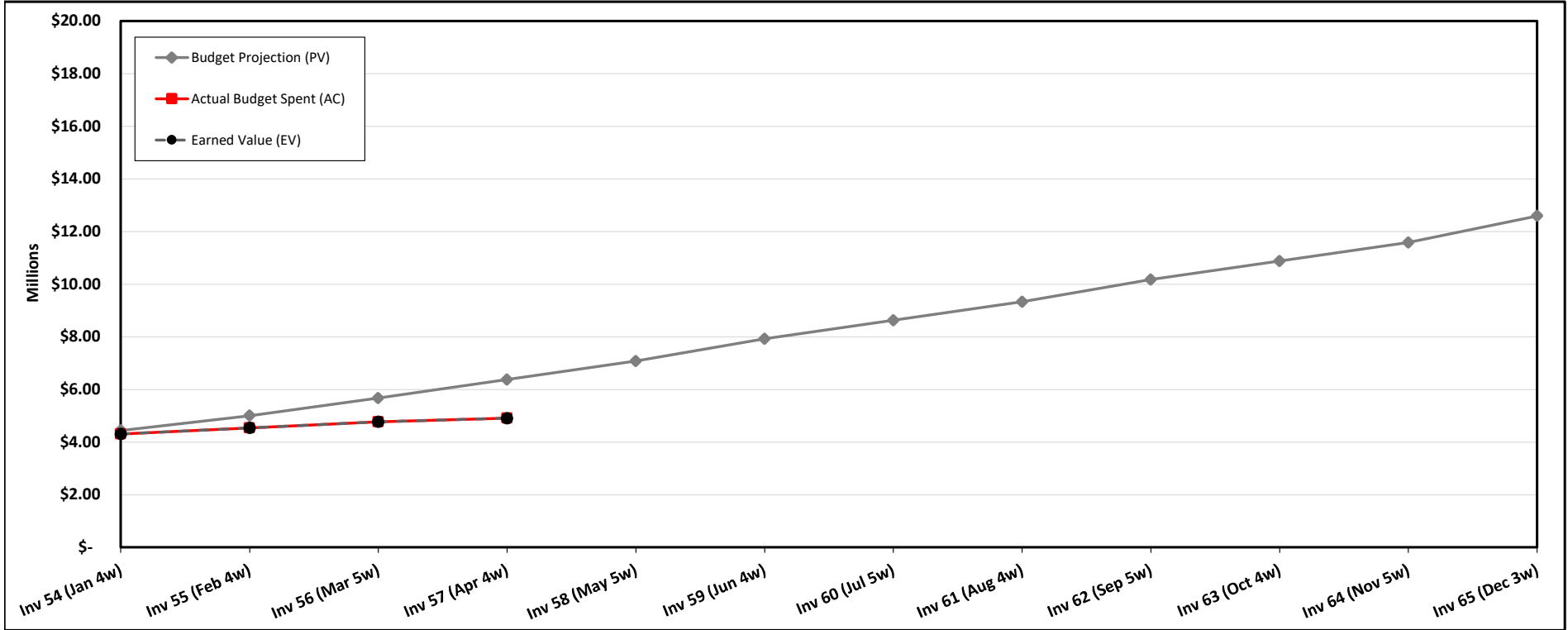
Great Lakes Water Supply Program PM/CM
Program
Earned Value Chart
Phase 3 (Invoice No. 57)
(Excluding Allowances and Contingencies)



% Spent 32.0%
Actual Budget Spent \$5,389,653

Schedule Performance Index (SPI) 0.78
Cost Performance Index (CPI) 1.00

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



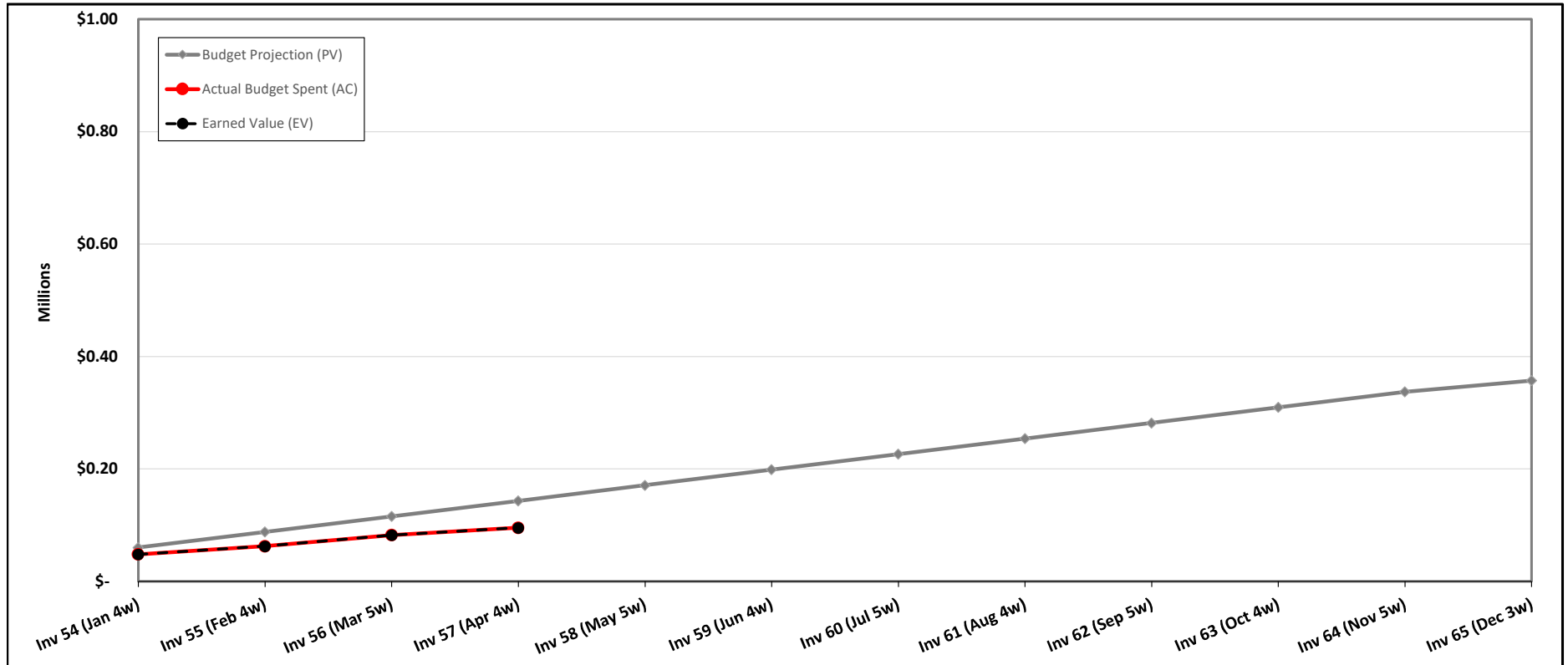
Earned Value Calculations	
Budget at Completion ^{(BAC)(1)} (BAC)	\$ 14,630,234
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 9,721,355
Cost Variance ^(CV) (CV=EV-AC)	\$ -
Schedule Variance ^(SV) (SV=EV-PV)	\$ (9,721,355)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.34
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.34
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 14,630,234.47
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ -

Section 1 Program Management Plan/Progress

- Prepare Monthly Program Status Report and Invoice No. 56.
- Prepared for an Online Open House for the City of West Allis and City of Greenfield area scheduled for May 19.
- Worked on development of the Quarterly E-Newsletter, Spring Edition.
- Developed and finalized Spring DPW Insert to be used by the City of Waukesha to educate residents about Great Water Alliance.
- Continued to update soil management plan for Site 12.17.
- Evaluated new Rusty Patch Bumblebee (RPBB) High Potential Zone (HPZ).
- Continued work on Diversion document and responding to DNR comments.
- Provided inspection services of open cut, HDD, and jack and bore pipeline installation.
- Prepared Field Order for CP5, CP6, CP2A, and CP2B.
- Reviewed CP3 bids, performed bid evaluation, and coordinated with selected Contractor upon award.

Section 1 Program Management Challenges

- Lack of construction schedule from Contractor has impacted the ability to acquire the WisDOT Permits.
- SJ Louis delays providing CP5 and CP6 monthly schedule updates to GWA.



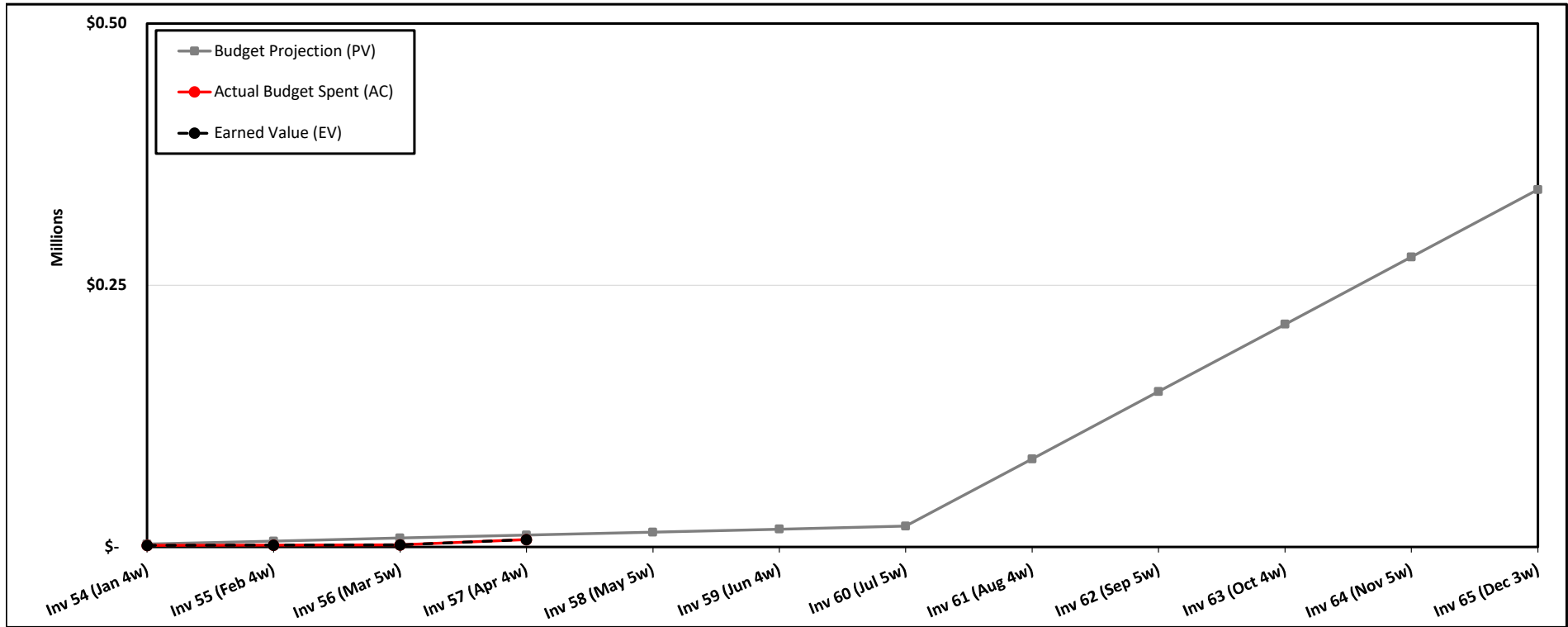
Earned Value Calculations	
Budget at completion ^(BAC) (BAC)	\$ 404,090
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 2,855,708
Cost Variance ^(CV) (CV=EV-AC)	\$ (82,227)
Schedule Variance ^(SV) (SV=EV-PV)	\$ (391,044)
Cost Performance Index ^(CPI) (CPI=EV/AC)	0.14
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.03
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.00
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 2,950,981.27
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ (2,546,891.27)

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

- Eight (8) submittals were reviewed.
- Two (2) RFIs were reviewed.

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

- No Challenges.



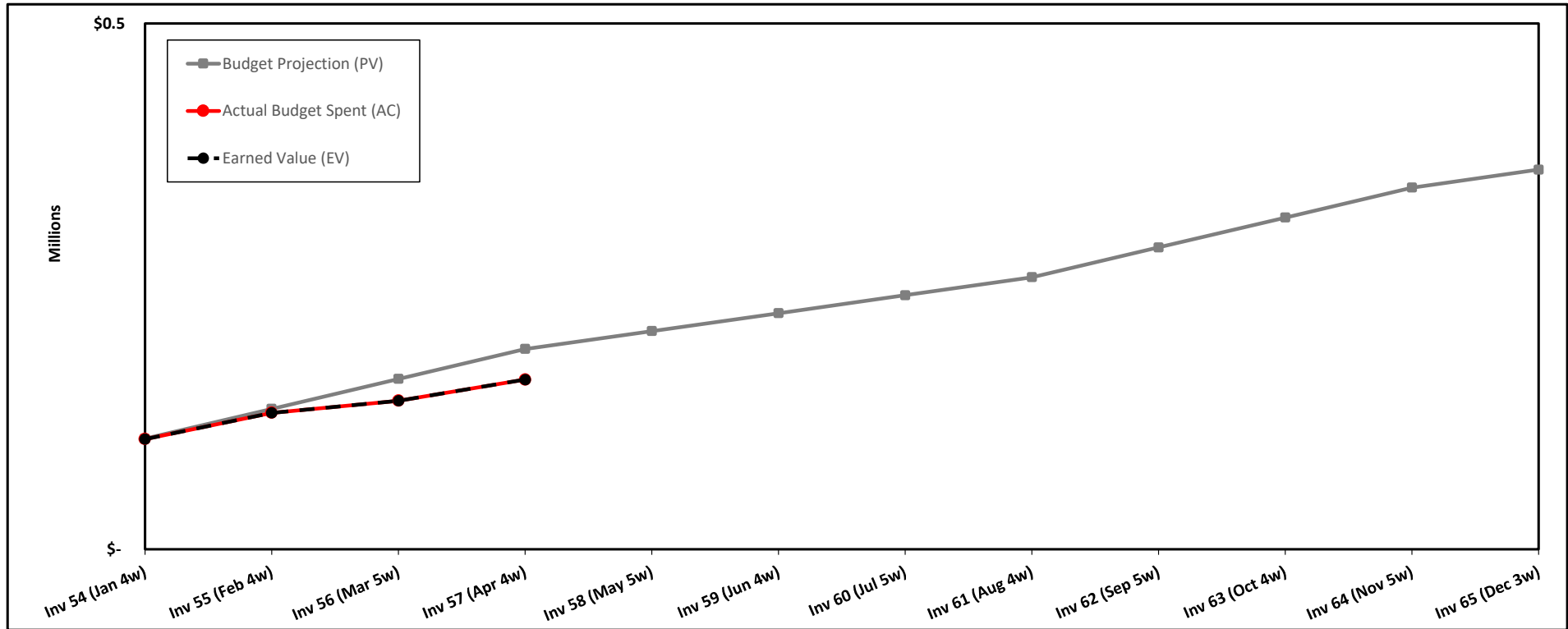
Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 341,382
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 468,824
Cost Variance ^(CV) (CV=EV-AC)	\$ (1,973)
Schedule Variance ^(SV) (SV=EV-PV)	\$ (336,372)
Cost Performance Index ^(CPI) (CPI=EV/AC)	0.72
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.01
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.01
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 475,807.75
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ (134,425.37)

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

- Nineteen (19) submittals were reviewed.
- One (1) RFI was 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

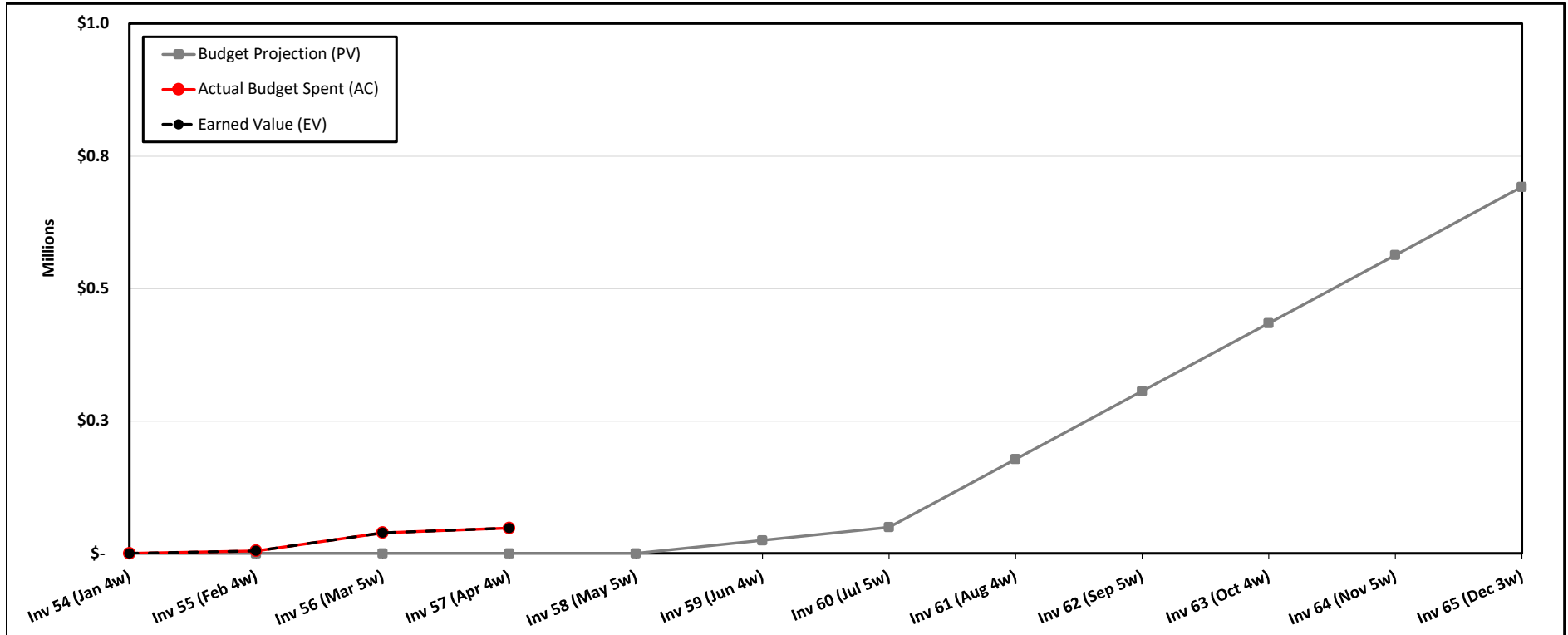
Earned Value Calculations	
Budget at completion ^(BAC) (BAC)	\$ 381,662
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 220,245
Cost Variance ^(CV) (CV=EV-AC)	\$ -
Schedule Variance ^(SV) (SV=EV-PV)	\$ (220,245)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.42
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.42
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 381,662.16
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ -

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

- Seven (7) submittals were reviewed.
- One (1) RFI was reviewed.
- Reviewed information provided by contractor on possible disposal option for soil from Site 12.17.

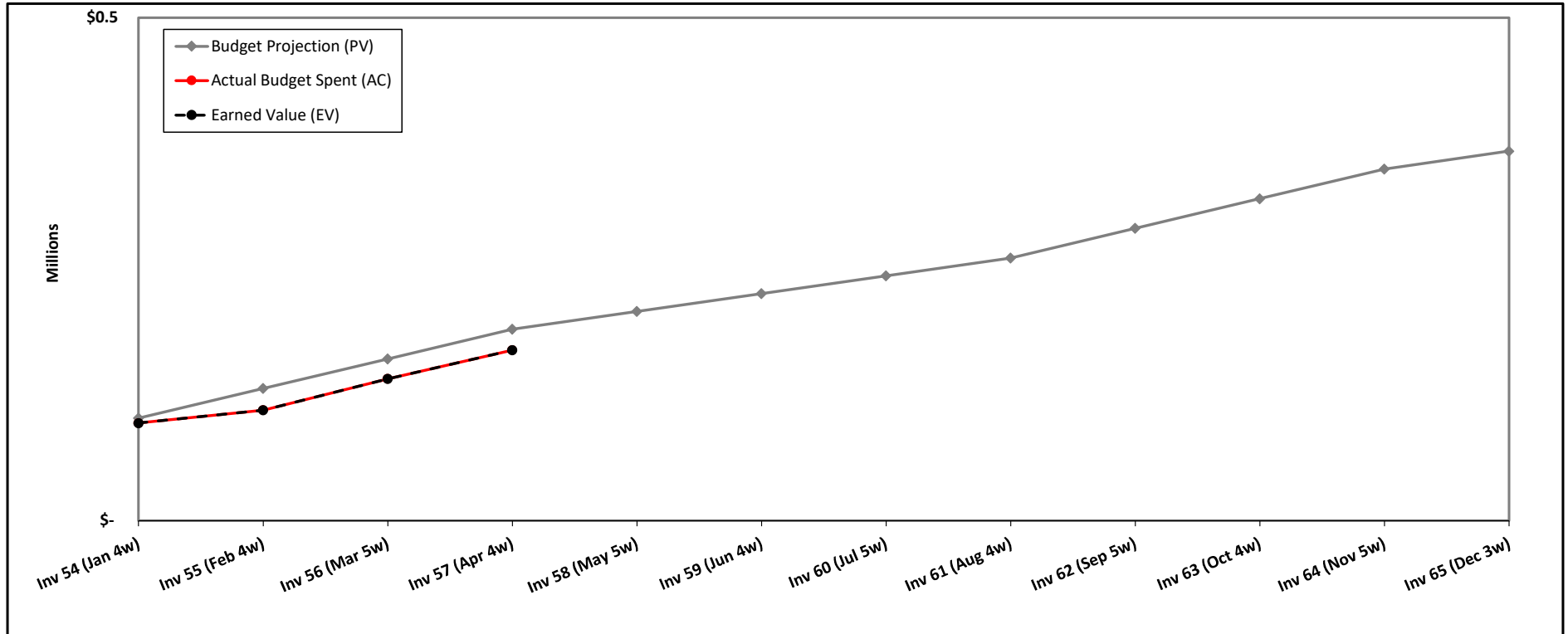
Section 4 Return Flow Pipeline, Contract Package 5 Challenges

- 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 ^{(BAC)(1)} (BAC)	\$ 691,644
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 3,747,475
Cost Variance ^(CV) (CV=EV-AC)	\$ (38,929)
Schedule Variance ^(SV) (SV=EV-PV)	\$ (682,968)
Cost Performance Index ^(CPI) (CPI=EV/AC)	0.18
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.01
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.00
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 3,795,080.52
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ (3,103,436.37)

Section 5	Booster Pumping Station, Contract Package 3
	Plan/Progress
	<ul style="list-style-type: none"> Contract Package 3 Addenda Nos. 4 and 5 were posted to QuestCDN. Contract Package 3 Bid Opening Meeting was held April 13. Contract Package 3 Bid Tabulation was provided to WWU. Responses were provided to questions received during bidding.
Section 5	Booster Pumping Station, Contract Package 3
	Challenges
	<ul style="list-style-type: none"> No challenges.



Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 409,706
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 2,270,421
Cost Variance ^(CV) (CV=EV-AC)	\$ (141,034)
Schedule Variance (SV) (SV=EV-PV)	\$ (381,245)
Cost Performance Index ^(CPI) (CPI=EV/AC)	0.17
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.07
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.01
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 2,439,915.87
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ (2,030,209.75)

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

- Twenty five (25) submittals were reviewed.
- One (1) RFI was reviewed.

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.
- SJ Louis delays starting CP6 construction work.