

Quarterly Report – Public Page

Date of Report: *6th Quarterly Report-February 28, 2020*

Contract Number: *693JK31810010*

Prepared for: *DOT and OTD*

Project Title: *ORFEUS Obstacle Detection for Horizontal Directional Drilling*

Prepared by: *Gas Technology Institute for OTD*

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For quarterly period ending: *February 28th, 2020*

1: Items Completed During this Quarterly Period:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
<i>23</i>	<i>6</i>	<i>6th Quarterly Status Report</i>	<i>Submit 6th Quarterly Status Report</i>	<i>\$6,024.00</i>	<i>\$5,218.00</i>

2: Items Not-Completed During this Quarterly Period:

The project remains behind schedule. Once the subcontracts are worked out, a revised schedule will need to be provided.

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
<i>20</i>	<i>1</i>	<i>HDD Bore Head Radar Re-design</i>	<i>Fully developed and ruggedized HDD radar hardware</i>	<i>\$29,234.00</i>	<i>\$176,418.00</i>
<i>21</i>	<i>3</i>	<i>System Software</i>	<i>Radar display and automatic target recognition software</i>	<i>\$5,901.00</i>	<i>\$72,878.50</i>
<i>22</i>	<i>3</i>	<i>System Software</i>	<i>Radar and communication link monitoring software</i>	<i>\$5,901.00</i>	<i>\$72,878.50</i>

3: Project Financial Tracking During this Quarterly Period:

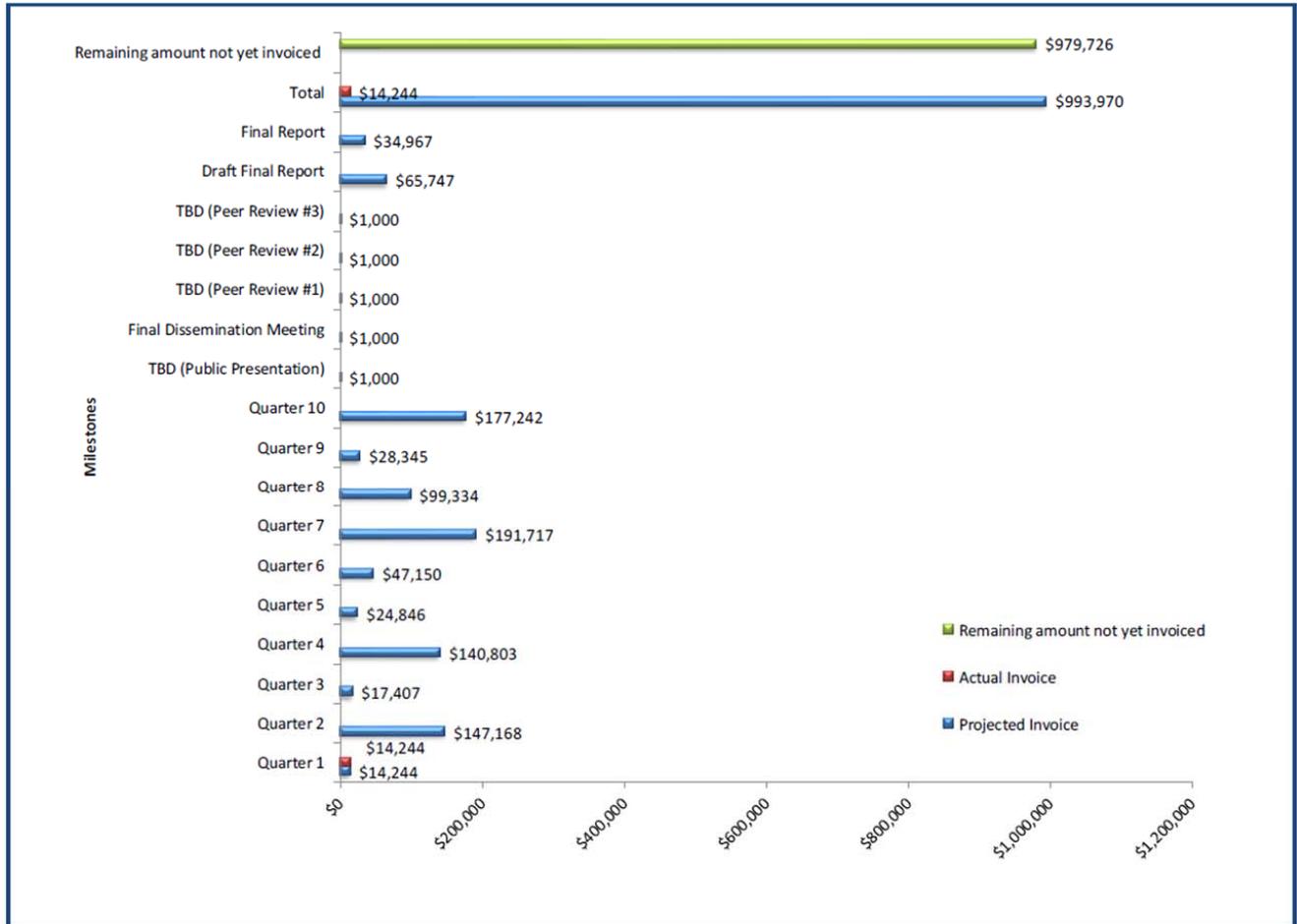


Figure 1. Quarterly Payable Milestones/Invoices – Contract #693JK31810009

4: Project Technical Status –

No technical work has been completed to date. We have been working through subcontracting issues and are hoping to have them resolved early in the next quarter.

5: Project Schedule –

The project schedule has been delayed. We are at risk of further delay until the contract negotiations with the subcontractors are completed. The issues have been around the flow down terms and conditions from the prime contract. We are working to resolve the issues through our prime contract and hope to be able to move forward early in the next quarter.

Figure 2 shows the time schedule by Task thru Quarter 6.

		2018	2019				2020				2021
Task	Title	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1	HDD Bore Head Radar										
2	Communications Link										
3	System Software										
4	System Validations, Pre-Commercial Launch Preparation										
5	Operational Tests										
6	Reporting										
7	Project Management										

Figure 2 - Schedule