

DOT PHMSA Internal Quarterly Report

Date of Report: 2nd Quarter 2020 Report - June 30, 2020

Contract Number: 693JK31910001POTA

Prepared for: USDOT – Pipeline and Hazardous Materials Safety Administration (PHMSA)

Project Title: Review the Intent and Safety Impact of Hoop Stress and Percentage of Specified Minimum Yield Stress Boundaries on Natural Gas Transmission and Distribution Pipelines

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For quarterly period ending: June 30, 2020 (Project Q3)

1: Items Completed During this Quarterly Period:

<u>Item No.</u>	<u>Task No.</u>	<u>Activity/Deliverable</u>	<u>Payable Milestone</u>	<u>Federal Payment</u>	<u>Resource-Share</u>
11	8	3 rd Quarterly Status Report	Submit 3 rd quarterly report	\$0	\$0
		Third Payable Milestone	SUBTOTAL	\$0	\$0

2: Items Not-Completed During this Quarterly Period:

- None

3: Project Financial Tracking During this Quarterly Period:

The nature of the contract for this research effort is fixed price, with clearly defined milestone/deliverable payments.

Figure 1 outlines projected invoicing, as well the invoice submitted upon delivery of the third quarter payable milestone.

A modification was requested to extend the due dates for the Task 2-6 deliverables as well as the draft final report by 3 months. The modification was formally executed in the third project quarter. Figure 1 has been updated to reflect this modification.

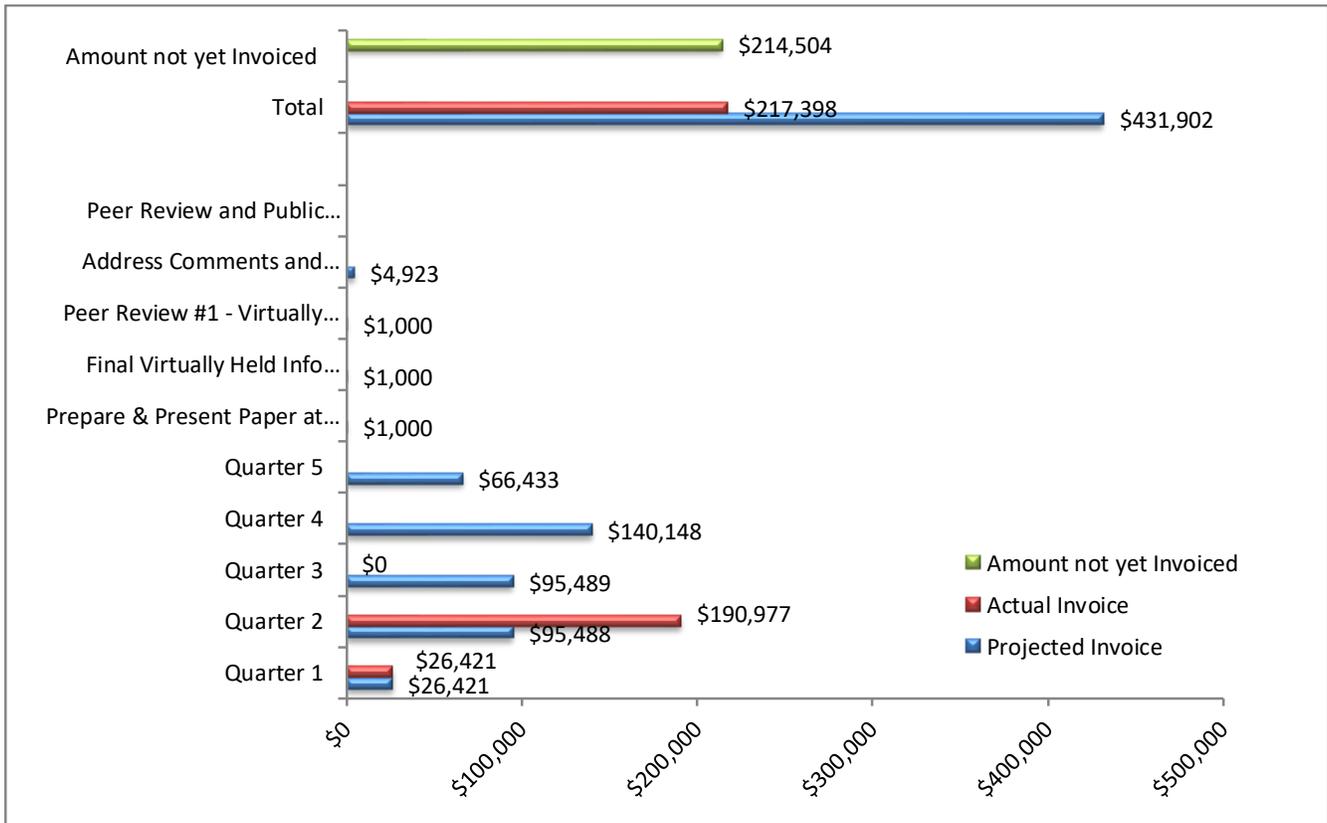


Figure 1. Quarterly Payable Milestones/Invoices (Federal Costs)

4: Project Technical Status

Task #	Activity	Milestone / Deliverable	Cost
1	Kickoff, Contracting, and TAP	Task 1 Interim Report: Kickoff Meeting Minutes, TAP Scope Review and confirmation, Subcontract statement of Work (SOW) in place.	Completed
<i>This task was completed and invoiced for in a prior project quarter.</i>			
2	Regulatory Definition Review	Task 2 Interim Report: Regulatory Definition Review	Completed
<i>This task was completed and invoiced for in a prior project quarter (2020 Q1).</i>			
3	In-Depth Literature Search	Task 3 Interim Report: In-Depth Literature Search (with Draft Knowledge Database Summary)	Completed
<i>This task was completed and invoiced for in a prior project quarter (2020 Q1).</i>			

4	In-Service and Incident History Analysis	Task 4 Interim Report: In-service/Incident History Analysis (with Draft Pipeline Information Database Summary)	<i>Completed</i>
<i>This task was completed and invoiced for in a prior project quarter (2020 Q1).</i>			
5	Sensitivity Study of Pipeline Features/Parameters	Task 5 Interim Report: Sensitivity Study of Pipeline Features/Parameters	
The sensitivity study task work continued through the project quarter. The team is in the process of setting up the Design of Experiments (DOE) based on the results of Tasks 1 to 4. Regression modeling will be carried out next quarter with the results feeding Task 6 activities.			
6	Safety Considerations for Segment Classifications	Task 6 Interim Report: Safety Considerations for Segment Classifications	
The safety considerations for segment classifications task continued through the project quarter. The vintage weighting factors developed as part of Task 3 have been prepared to combine with the output of Task 5 in the coming quarter.			
7	Summary Report	Task 7 Draft Final Report (with Final Task 3 and 4 Databases)	
The output of Tasks 1-4 has been written up in draft form as chapters that will be incorporated into the final summary report.			
8	Project Management	Ongoing: Monthly Updates, Quarterly Reports, Peer Review, Virtual Final Meeting, Public Presentation/Paper, Final Revision of Task 7 Summary Report	
A 3-month extension for the Task 2-6 deliverables as well as the final report was executed June 1 st , 2020 and is reflected in the project schedule in this report.			

5: Project Schedule

Project Task	Start	Finish	% Complete	2019		2020														
				Q3	Q4	Q1	Q2	Q3	Q4											
				J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
1 - Kickoff, Contracting, and TAP	10/1/2019	12/31/2019	100%																	
2 - Regulatory Definition Review	11/1/2019	6/30/2020	60%																	
3 - In-Depth Literature Search	11/1/2019	6/30/2020	60%																	
4 - In-service and Incident History Analysis	10/1/2019	6/30/2020	70%																	
5 - Sensitivity Study of Pipeline Features/Parameters	1/1/2020	9/30/2020	25%																	
6- Safety Considerations for Segment Classifications	1/1/2020	9/30/2020	25%																	
7 - Summary Report	4/1/2020	12/31/2020	0%																	
8 - Project Management	10/1/2019	12/31/2020	35%																	