

Public Quarterly Report

Date of Report: 1st Quarterly Report-January 3 2023

Contract Number: 693JK322RA0001

Prepared for: US Pipeline and Hazardous Materials Safety Administration

Project Title: Rapid Ultraviolet (UV) Cured Adhesive for Gas Main Cured-in-Place-Lining (CIPL)

Prepared by: Progressive Pipeline Management

Contact Information: Casey Giambrone, cfg@progressivepipe.com, 631-339-3075

For quarterly period ending: January 1st 2023

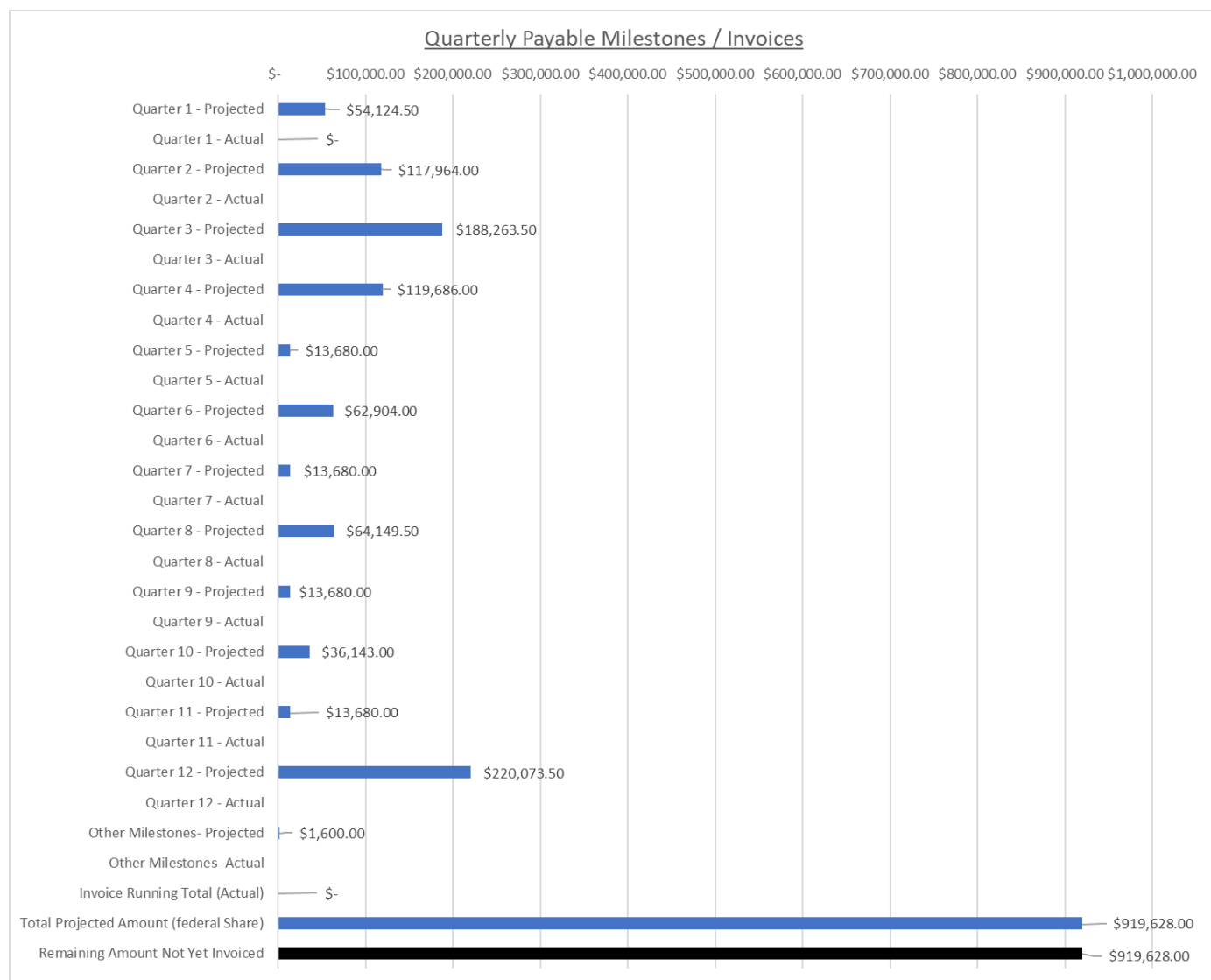
1: Items Completed During this Quarterly Period:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
		<i>(Project not started until January 2023)</i>			

2: Items Not-Completed During this Quarterly Period: (Project not started until January 2023)

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
1	1	Adhesive Development and Preparation	<i>Adhesive Development and Preparation</i>	\$-	\$-
2	2	Develop variations of adhesive - 3 versions	Develop variations of adhesive - 3 versions	\$4,500.00	\$4,500.00
3	3	"Conduct in-house preliminary coupon testing (Adhesive only) - Cure - UV light intensity and wave length (5 coupons per adhesive version) - ASTM D2240 Hardness (5 coupons per adhesive version) - ASTM D4541 Pull off strength testing using steel plate (5 coupons per adhesive version)"	"Conduct in-house preliminary coupon testing (Adhesive only) - Cure - UV light intensity and wave length (5 coupons per adhesive version) - ASTM D2240 Hardness (5 coupons per adhesive version) - ASTM D4541 Pull off strength testing using steel plate (5 coupons per adhesive version)"	\$1,125.00	\$1,125.00
4	4	"Prepare and ship coupon samples for developed adhesives	"Prepare and ship coupon samples for developed adhesives - Prepare 5 coupons per adhesive version (15 total)"	\$600.00	\$600.00
5	5	ASTM D543 Chemical Resistance with chemicals from ASTM F2207 (5 coupons per adhesive version per chemical [10], 150 total samples)	ASTM D543 Chemical Resistance with chemicals from ASTM F2207 (5 coupons per adhesive version per chemical [10], 150 total samples)	\$19,819.50	\$19,819.50
6	6	<i>Internal Vortex meetings to update on progress (2hr x 4 ppl)</i> - Review of results & Circle back to Task 2.1, if needed	<i>Internal Vortex meetings to update on progress (2hr x 4 ppl)</i> - Review of results & Circle back to Task 2.1, if needed	\$14,400.00	\$14,400.00

3: Project Financial Tracking During this Quarterly Period:



4: Project Technical Status –

PPM's research schedule has commenced as of January 2023, along with the first quarter milestones. No invoice will be submitted to PHMSA until the end of the second quarter. Included in the Q2 invoice will be the completed milestones from Q1, as well as any completed milestones from the Q2 time period.

5: Project Schedule –

- Items not complete in Q1, expected to be included in the Q2 report are as follows:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>
1	1	Adhesive Development and Preparation	<i>Adhesive Development and Preparation</i>
2	2	Develop variations of adhesive - 3 versions	Develop variations of adhesive - 3 versions
3	3	"Conduct in-house preliminary coupon testing (Adhesive only) - Cure - UV light intensity and wave length (5 coupons per adhesive version) - ASTM D2240 Hardness (5 coupons per adhesive version) - ASTM D4541 Pull off strength testing using steel plate (5 coupons per adhesive version)"	"Conduct in-house preliminary coupon testing (Adhesive only) - Cure - UV light intensity and wave length (5 coupons per adhesive version) - ASTM D2240 Hardness (5 coupons per adhesive version) - ASTM D4541 Pull off strength testing using steel plate (5 coupons per adhesive version)"
4	4	"Prepare and ship coupon samples for developed adhesives	<i>"Prepare and ship coupon samples for developed adhesives - Prepare 5 coupons per adhesive version (15 total)"</i>
5	5	ASTM D543 Chemical Resistance with chemicals from ASTM F2207 (5 coupons per adhesive version per chemical [10], 150 total samples)	ASTM D543 Chemical Resistance with chemicals from ASTM F2207 (5 coupons per adhesive version per chemical [10], 150 total samples)
6	6	<i>Internal Vortex meetings to update on progress (2hr x 4 ppl) - Review of results & Circle back to Task 2.1, if needed</i>	<i>Internal Vortex meetings to update on progress (2hr x 4 ppl) - Review of results & Circle back to Task 2.1, if needed</i>