



Staff Report

Meeting Date: August 15, 2022

From Jenny Coker, Public Works Director

SUBJECT: Guaranteed Maximum Price Proposal from Oxbow Construction for
Collection System RDII Basin 6 and 7

DECISION TO BE MADE:

Whether to approve a Guaranteed Maximum Price (GMP) and authorize the City Manager to sign an agreement with Oxbow Construction for wastewater collection system rehabilitation of Basins 6 and 7.

PURPOSE / OBJECTIVE:

Continue to reduce inflow and infiltration of stormwater and groundwater into the wastewater collection system, reducing the flow that is conveyed to the treatment plant.

BACKGROUND / CONTEXT:

The City hired Oxbow Construction as Construction Manager/General Contractor (CM/GC) for the Collection System Rehabilitation for Inflow and Infiltration Reduction Project (RDII) for Basins 6 and 7 on 6/26/2022. The rehabilitation of Basins 6 and 7 will reduce the infiltration into the collection system reducing the flow that is conveyed to the treatment plant. The project will rehabilitate approximately 28,000 lineal feet of sanitary sewer mainlines, 300 sewer laterals, and 140 manholes. All the work will take place in Basins 6 and 7, which had the next highest Inflow and Infiltration (I&I) rates after Basin 2 and 8, as identified in the Facilities Plan during the flow monitoring performed in the winter of 2017-2018.

After completing design with Leeway Engineering Solutions, Oxbow Construction has submitted a proposed Guaranteed Maximum Price for the Collection System RDII Basin 6 and 7 construction. Oxbow's proposed Guaranteed Maximum Price for the Collection System RDII Basin 6 and 7 project is \$6,356,460.12. The unit prices and subcontractor/equipment supplier quotes have been reviewed by the design engineer, Leeway Engineer Solutions. The project completion date is anticipated for 2/23/2023.

RECOMMENDATION:

Approve the Guaranteed Maximum Price of \$6,356,460.12 and authorize the City Manager to sign an agreement with Oxbow Construction for the 2022/2023 Collection System Rehabilitation Project in Basins 6 and 7.

BUDGETARY IMPACT:

The proposed GMP, which totals \$6,356,460.12 is proposed to be funded by the \$14.7 million State grant of American Rescue Plan Funding.

SUGGESTED MOTION LANGUAGE:

"I move to approve the Guaranteed Maximum Price from Oxbow Construction for Basins 6 and 7 rehabilitation in the amount of \$6,356,460.12, and authorize the City Manager to enter into an agreement with Oxbow Construction for this work."

LIST OF ATTACHMENTS/EXHIBITS:

- Oxbow Construction GMP proposal
- Basin 6 and 7 Overview Map

City of Sandy

***Collection System Inflow and
Infiltration Reduction Project
Basin 6 & 7***

2022-08-05

Guaranteed Maximum Price (GMP) Submittal

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

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Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

Description of Work

The 2022/2023 Basin 6 and 7 Sanitary Sewer Rehabilitation for Inflow and Infiltration Reduction Project (SSRIIRP) is a major effort by the City of Sandy to rehabilitate and improve the overall function of its' sewer transmission infrastructure. The existing sewer infrastructure has outlived its serviceable life, has significant I&I issues that significantly impact treatment costs. Unexpected repairs and construction events greatly impact the City and its residents. During heavy rain events, the sewer system flows can swell to over 14 times the normal flow rate. Treatment of these additional flows is not only a substantial cost for the City and its rate payers but can result significant discharges above regulatory limits. Additionally, the aging infrastructure pose a real risk of catastrophic failures resulting in major disruptions to service and costly emergency repairs.

The Sandy RDII project will provide for significant rehabilitation of two major sewer collection areas identified as Basin 6 and Basin 7. This GMP proposal covers the scope of work required to complete rehabilitation of both basins combined and includes the following general work scopes:

25,000 Lineal Feet of Sewer Main Rehabilitation

10,000 Lineal Feet of Sewer Lateral Rehabilitation

135 Each Exterior Grouting of Manhole Structures

The work detailed above shall be completed in conformance with the attached Project Special Specifications and Contract Plans.

All work is to be completed using the CMGC process.

The project has a completion goal of Dec 15, 2022. Due to current procurement restrictions and the current NTP anticipated, Oxbow projec

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

GMP Price Proposal

Price Proposal Summary

Sandy RDII 2022 - Basin 6 and 7 GMP		
Cost of Work	Value	Notes
Cost of Project	\$ 5,018,014.25	
General Conditions	229,915.00	
TOTAL - COST OF WORK	\$ 5,247,929.25	
Contingencies		
CMGC Contingency	267,630.49	
Owner Contingency	150,000.00	
Subtotal - Contingencies	\$ 417,630.49	
Allowances		
Hard Restoration/Private Side	100,000.00	
Subtotal - Construction Costs, General Conditions, Contingencies, And Allowances		
Subtotal all Cost Items	5,765,559.74	
Markups		
Bond and Insurance	72,000.00	
CMGC Fee (Exlcuding Bonds/Insurance) 9%	518,900.38	
Total GMP Value	6,356,460.12	

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

GMP Proposal Unit Price Schedule

SCHEDULE OF BID ITEMS						
City of Sandy Collections System Inflow and Infiltration						
Item No.	Description	Unit	Estimated Quantity	Section No.	Unit price	TOTAL
1	Mobilization and Demobilization	LS	1	210	\$ 230,000.00	\$ 230,000.00
2	Traffic Control	LS	1	225	\$ 71,000.00	\$ 71,000.00
3	Flagger	Hourly	1500	405	\$ 68.00	\$ 102,000.00
4	Temporary Flow Diversion/Dewatering	LS	1	405	\$ 60,000.00	\$ 60,000.00
5	Dewatering	LS	1	490	\$ 5,000.00	\$ 5,000.00
6	Erosion and Sedimentation Control	LS	1	n/a	\$ 7,500.00	\$ 7,500.00
7	8-inch Sanitary Sewer by CIPP Sectional Liner 0-5	EA	3	n/a	\$ 4,000.00	\$ 12,000.00
8	Pothole Service Lateral	EA	60	490	\$ 1,000.00	\$ 60,000.00
9	TV and Locate Service Lateral via Push cam	EA	40	490	\$ 125.00	\$ 5,000.00
10	TV and Locate Service Lateral via Lateral launch	EA	100	412	\$ 225.00	\$ 22,500.00
11	Allowance for Private Property Restoration	LS	1	412	\$ 60,000.00	\$ 60,000.00
12	Bursting Pit, 0-8 feet deep	EA	1	412	\$ 1,750.00	\$ 1,750.00
13	Bursting Pit, 8-12 feet deep	EA	5	412	\$ 2,500.00	\$ 12,500.00
14	Bursting Pit, >12 feet deep	EA	7	412	\$ 3,500.00	\$ 24,500.00
15	Upsize 6-inch Sanitary Sewer to 8-inch by Pipe Bursting	LF	213	412	\$ 85.00	\$ 18,105.00
16	8-inch Sanitary Sewer by Pipe Bursting	LF	2361	412	\$ 78.00	\$ 184,158.00
17	12-inch Sanitary Sewer by Pipe Bursting	LF	526	412	\$ 93.00	\$ 48,918.00
18	Individual Service Lateral Cleanout - count all houses	EA	240	412	\$ 1,000.00	\$ 240,000.00
19	Reconstruct Public Service Lateral Connection for burst pipe with fusion saddle, 0-8 feet deep	EA	1	412	\$ 2,800.00	\$ 2,800.00
20	Reconstruct Public Service Lateral Connection for burst pipe with fusion saddle, 8-12 feet deep	EA	28	412	\$ 3,000.00	\$ 84,000.00
21	Reconstruct Public Service Lateral Connection for burst pipe with fusion saddle, >12 feet deep	EA	29	444	\$ 3,500.00	\$ 101,500.00
22	Reconstruct Public Service Lateral by Open-cut Excavation	LF	740	415	\$ 71.00	\$ 52,540.00
23	Reconstruct Private Service Lateral by Open-cut Excavation	LF	1950	415	\$ 55.00	\$ 107,250.00
24	6-inch Sanitary Sewer Main by CIPP	LF	1398	415	\$ 64.00	\$ 89,472.00
25	8-inch Sanitary Sewer Main by CIPP	LF	17893	415	\$ 65.25	\$ 1,167,518.25
27	12-inch Sanitary Sewer Main by CIPP	LF	1045	412	\$ 81.00	\$ 84,645.00
28	15-inch Sanitary Sewer Main by CIPP	LF	1404	412	\$ 87.00	\$ 122,148.00
29	Reconstruct Public Service Lateral Connection for CIPP pipe by Open-cut Excavation with InsertaTee	EA	5	444	\$ 3,000.00	\$ 15,000.00
30	Rehabilitate Public Service Lateral Connection for CIPP pipe with T-Liners (includes internal	EA	25	408	\$ 5,300.00	\$ 132,500.00
31	Rehabilitate Public Service Lateral Connection for CIPP pipe with UV-cured Top Hat	EA	265	408	\$ 1,700.00	\$ 450,500.00
32	Reconstruct Public Service Lateral for CIPP pipe by Open-cut Excavation or bursting	LF	880	408	\$ 71.00	\$ 62,480.00
33	Reconstruct Private Service Lateral for CIPP pipe by Open-cut Excavation or bursting	LF	1400	470	\$ 55.00	\$ 77,000.00

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

SCHEDULE OF BID ITEMS

City of Sandy Collections System Inflow and Infiltration

Item No.	Description	Unit	Estimated Quantity	Section No.	Unit price	TOTAL
34	Rehabilitate Public Service Lateral for CIPP pipe by CI	LF	2500	492	\$ 88.00	\$ 220,000.00
35	Rehabilitate Private Service Lateral for CIPP pipe by C	LF	3800	470	\$ 86.00	\$ 326,800.00
36	Rebuild MH Base	EA	27	470	\$ 1,900.00	\$ 51,300.00
37	Construct Beaverslide	EA	1		\$ 1,400.00	\$ 1,400.00
38	Grout manhole, first 5-feet	EA	135	490	\$ 2,100.00	\$ 283,500.00
39	Grout manhole, each additional foot	VF	500	492	\$ 125.00	\$ 62,500.00
40	48-inch Sanitary Manhole, first 8-feet	EA	1	490	\$ 7,250.00	\$ 7,250.00
41	48-inch Sanitary Manhole, each additional foot	VF	4	470	\$ 325.00	\$ 1,300.00
42	Abandon Existing 48-inch Sanitary Manhole	EA	2	470	\$ 3,750.00	\$ 7,500.00
43	Abandon Existing 8-inch Pipe	LF	340	470	\$ 3.00	\$ 1,020.00
44	Reset grade rings and/or frame and cover	EA	26	470	\$ 750.00	\$ 19,500.00
45	Uncover and raise manhole frame and cover to grade	EA	3	490	\$ 1,750.00	\$ 5,250.00
46	Inside PVC Drop Connection with hood	EA	1	444	\$ 2,300.00	\$ 2,300.00
47	6-Inch Sanitary Sewer by Open-cut	EA	50	445	\$ 165.00	\$ 8,250.00
48	8-Inch Sanitary Sewer by Open-cut	LF	282	445	\$ 195.00	\$ 54,990.00
49	Uncover and raise existing cleanout to grade	EA	1	444	\$ 500.00	\$ 500.00
50	Clean, CCTV, Root Cut Mainline as noted	LF	2607		\$ 10.00	\$ 26,070.00
49	Open-Cut Spot Repair 6-12 Inch, 5 feet long, 0-15 feet deep	EA	47		\$ 3,500.00	\$ 164,500.00
50	Open-Cut Lateral Spot Repair, 5 feet long, 0-15 feet	EA	13		\$ 1,500.00	\$ 19,500.00
51	Construct Terminal Cleanout	EA	1		\$ 2,800.00	\$ 2,800.00
53	CIPP lining pit- Private side for mid-lateral sectionals	EA	50		\$ 750.00	\$ 37,500.00
Cost of Project						\$ 5,018,014.25
General Conditions						\$ 229,915.00
Allowances						\$ 100,000.00
Owner Contingency						\$ 150,000.00
CM/GC Contingency						\$ 267,630.49
sub total						\$ 5,765,559.74
CM/GC fee						9% \$ 518,900.38
Bond and Insurance						\$ 72,000.00
Total GMP						\$ 6,356,460.12

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

List of Cost Estimate Assumptions:

The following items are submitted to clarify our price proposal:

1. All work paid for by Owner or CMGC contingency funds will be done so on a time and materials basis using burdened BOLI/David Bacon Wages, Blue Book equipment costs, materials invoices, and subcontractor invoices. All work performed using contingency funds shall be marked up by the CMGC Fee which shall include all overhead and markup for the work.
2. Any work deemed extra or outside of the GMP by the project will be paid based on a negotiated change order. Any work paid on a time and materials basis shall be calculated using the ODOT extra work payment specifications.
3. All work includes BOLI January 2022 Wages and or Davis Bacon July 2020 Wages (whichever is higher) including travel pay differential as required.
4. BOLI Live Sewer Work Premium is included in our cost estimate (\$40.00 per any portion of a man day working in, around and in support of live sewer construction).
5. All lining work shall be performed using the design parameters included in the specification. No added CIPP lining engineering is provided under this specification.
6. All pavement restoration shall be performed using standard 6" tee cutting process and does not include additional restoration beyond the excavation disturbance areas.
7. All landscape restoration shall be performed using the allowance item as identified in the GMP proposal. Landscape restoration will be paid at cost plus the GMP Fee.
8. The typical existing conditions in the Basin 6 and 7 area do not include boulder or rock formations. All boulder and rock excavation will be considered extra work and will be paid by amounts above the GMP price. Rock and boulder excavation will be paid under a time and materials basis.
9. The project does not expect to encounter any groundwater during the work. As such, the GMP proposal does not include any allowance amounts for dewatering any of the excavations. All dewatering work shall be performed and paid for on a time and materials basis plus the GMP Fee.
10. Footages on lateral work is based on design conceptual quantities. Quantities in excess of these shall be compensated from allowance and amounts or on a change order basis.
11. City of Sandy to provide all construction water to Contractor for construction purposes.
12. No surveying of any construction feature is included in this proposal.
13. Proposal does not include provision of any licensed plumber services or plumbing permits.
14. Proposal does not include pressure testing any CIPP-rehabilitated mains or laterals.
15. No further evaluation of sewers and laterals is included in proposal (smoke testing, etc) except as noted under the TV, Inspect and Rehabilitate proposal item.
16. Bid item 48 is proposed based on CIPP lining all sewer mains analyzed under this bid item. If other forms of rehabilitation are required, a change order and or use of allowances will be required.
17. Verification of lateral services is based on City providing/coordinating access to private structures for dye-testing.
18. Proposal assumes most traffic control will be limited to street closures, signage, and traffic device uses. Significant or full-time flagging is not included in this proposal other than that shown.

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

List of Cost Estimate Assumptions(Continued):

19. Owner should note that CIPP-lined mains will require robotically cut lateral reinstatements. Should the Owner/Engineer opt to utilize insert-a-tee's for reinstating laterals on CIPP-lined mains, precise reinstatements may not be possible or practical as they required a precise circular cored hole. The robotic reinstatement cutting process may not facilitate that process with 100% success or with 100% leak free results.

General Conditions - Cost Breakdown

Below is the cost report providing the actual resources, hourly rates, and number of hours provided to oversee and manage the basin 6 & 7 scope of work.

GENERAL CONDITIONS BREAKDOWN					
Cost of Work	Rate	Units	Qty	Total	Notes
General Supervision					
- Project Manager	90.00 / HR		833	74,970.00	- incl vehicle
- General Superintendent	90.00 / HR		833	74,970.00	- incl vehicle
- Project Field Engr/Assist Manager	75.00 / HR		833	62,475.00	- incl vehicle
- Field Office/Temp Facilities	2,500.00 / MO		7	17,500.00	
Total GMP Value				\$ 229,915.00	

Contingency Determination

As with any CMGC design build project, the actual design for some work scopes remain in question pending further investigation. According to the current 90% design status, some mainline sewer and lateral work remained under design pending further field investigation. During the initial design process and investigation, (1) some lateral lines could not be launched from the main line, (2) some of the main lines could not be inspected due to blockages and roots, and (3) some lateral line cleanouts could not be found. As such, the full scope of work could not be effectively determined at this GMP proposal milestone.

Using current pricing for laterals and main line sewer rehabilitation, Oxbow analyzed the remaining undesigned work scopes and determined a practical contingency amount based on that analysis and as follows:

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

Average HDD Lateral Rehabilitation Cost (Pits and Conn Only):	\$ 3,246.55 / EA
Average CIPP Lateral Rehab Cost (Top Hat/Tee Liner Shorty) :	\$ 5,300.00 / EA
Average Top Hat Conn and Prop Cleanout:	\$ 2,700.00 / EA
AVERAGE LATERAL REHAB PRICE:	\$ 3,748.85 / EA

Based on the figures above, the average price for a lateral rehabilitation (excluding the footage for CIPP and or bursting which is included in the Owner's quantities for rehabilitation, the project will incur approximately \$3,700.00 per added lateral connection as determined by further investigation. Using a quantity of another 25 laterals as estimated additional quantities, Oxbow recommends adding \$92,000 in contingency for lateral modifications.

Utilizing historical information from the previous project Basin 2 and 8 RDII project completed by Oxbow, a change in work scope contingency in the range of 2%-10%. This is based on the change order amounts incurred from the last project, historical data from previous projects in general, and data from CGMC industry standards for heavy civil type construction.

Oxbow recommends another 3.5% of contingency be added to the above figure for lateral issues. This contingency is recommended to cover any type of change issues related to unknown conditions that may be encountered in the field.

A contingency account of \$267,630.49 is recommended for the project.

Construction Schedule

Find following this cover sheet the project schedule proposed for the work. Please note the schedule is based on "earliest start" dates for all activities. Additionally, all CIPP Main line work and MH grouting work is scheduled based on Resource Leveling and not the actual planned sequencing for the work. This in effect allows the project the flexibility of resequencing these activities based on other ongoing work and actual sequences as the project progresses from start to finish.

Please be advised the current supply chain environment will impact our overall project schedule due to liner production timeframes and shipping constraints. With aggressive submittal processing and advanced purchasing, Oxbow will work diligently to secure the necessary resources to limit the overall schedule impacts related to material resource constraints.

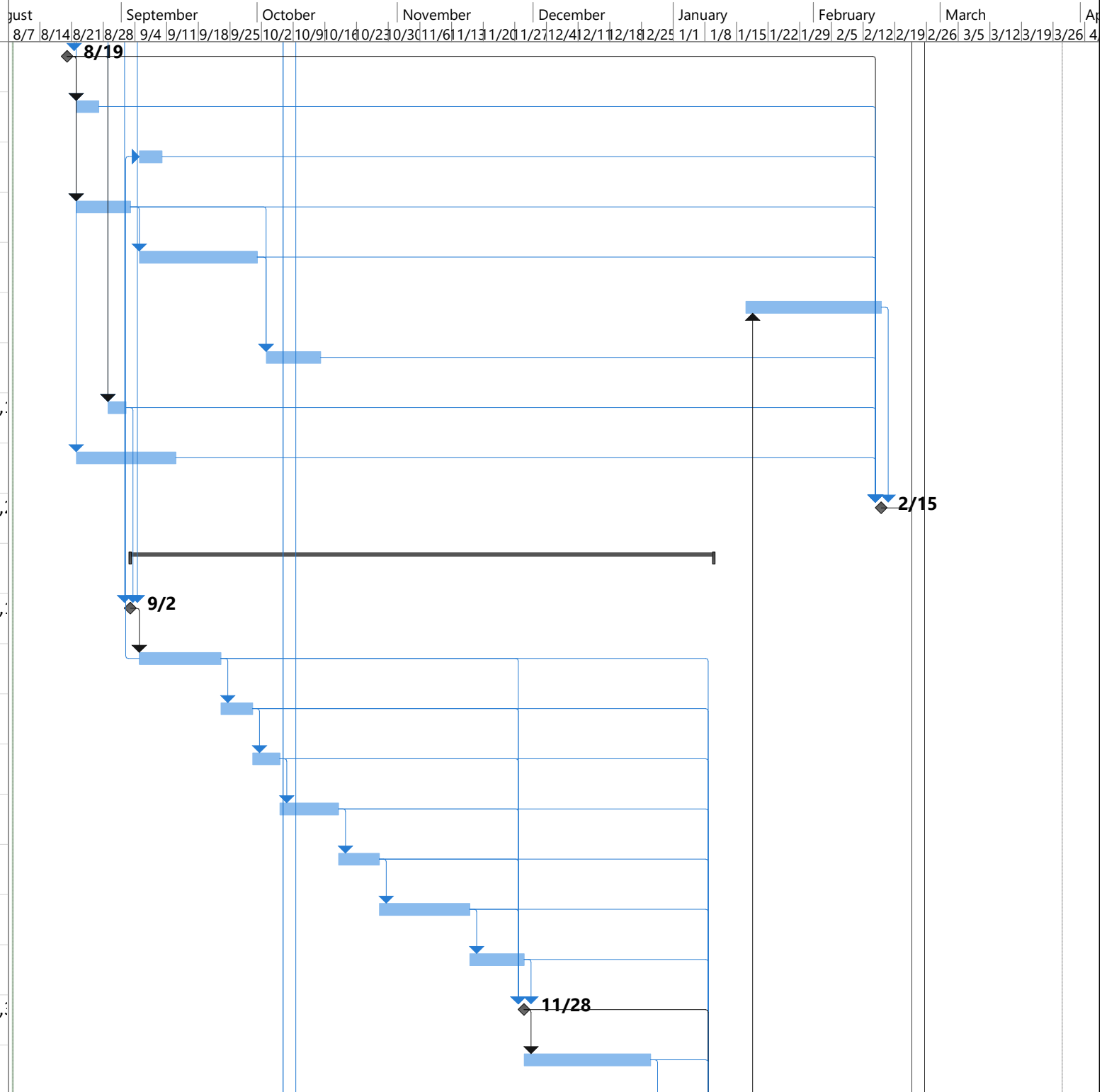
Included within this proposal is a critical path schedule utilizing realistic durations and activity breakdowns to produce a realistic overall project schedule.

ID	WBS	Task Name	Duration	Start	Finish	Predecessors	
1	1	GENERAL / CONTRACT ACTIVITIES	166 days	Mon 8/8/22	Mon 3/27/23		
2	1.1	GRS - GMP Submittal	0 days	Mon 8/8/22	Mon 8/8/22		8/8
3	1.2	GRS - Mobilize for Project	5 days	Mon 8/15/22	Fri 8/19/22	7,2	
4	1.3	GRS - Substantial Completion	0 days	Thu 2/23/23	Thu 2/23/23	31,44,8	
5	1.4	GRS - Punchlist / Corrections	22 days	Fri 2/24/23	Mon 3/27/23		
6	1.5	GRS - Final Completion	0 days	Mon 3/27/23	Mon 3/27/23		
7	1.6	GRS - GMP Contract Negotiations	5 days	Mon 8/8/22	Fri 8/12/22	2	
8	2	SUBMITTALS	15 days	Mon 8/15/22	Fri 9/2/22		
9	2.1	SUBM - Technical Submittals	0 days	Mon 8/15/22	Mon 8/15/22	3SS	8/15
10	2.2	SUBM - Burst Technical	10 days	Mon 8/15/22	Fri 8/26/22	9	
11	2.3	SUBM - CIPP Main Technical	15 days	Mon 8/15/22	Fri 9/2/22	9	
12	2.4	SUBM - CIPP Laterals Technical	15 days	Mon 8/15/22	Fri 9/2/22	9	
13	2.5	SUBM - Open Cut	10 days	Mon 8/15/22	Fri 8/26/22	9	
14	2.6	SUBM - Traffic Control	10 days	Mon 8/15/22	Fri 8/26/22	9	
15	2.7	SUBM - Grout MH/Rehab Submit	15 days	Mon 8/15/22	Fri 9/2/22	9	
16	2.8	SUBM - Erosion Control	10 days	Mon 8/15/22	Fri 8/26/22	9	
17	3	PROCUREMENT ACTIVITIES	30 days	Mon 8/29/22	Fri 10/7/22		
18	3.1	PROC - Burst Pipe Procurement	5 days	Mon 8/29/22	Fri 9/2/22	10	
19	3.2	PROC - CIPP Liner Material Procurement	25 days	Mon 9/5/22	Fri 10/7/22	11	
20	3.3	PROC - Grout MH Mtrls	20 days	Mon 9/5/22	Fri 9/30/22	15	
21	4	GENERAL CONSTRUCTION/MH'S/OPEN CUT	128 days	Fri 8/19/22	Wed 2/15/23		

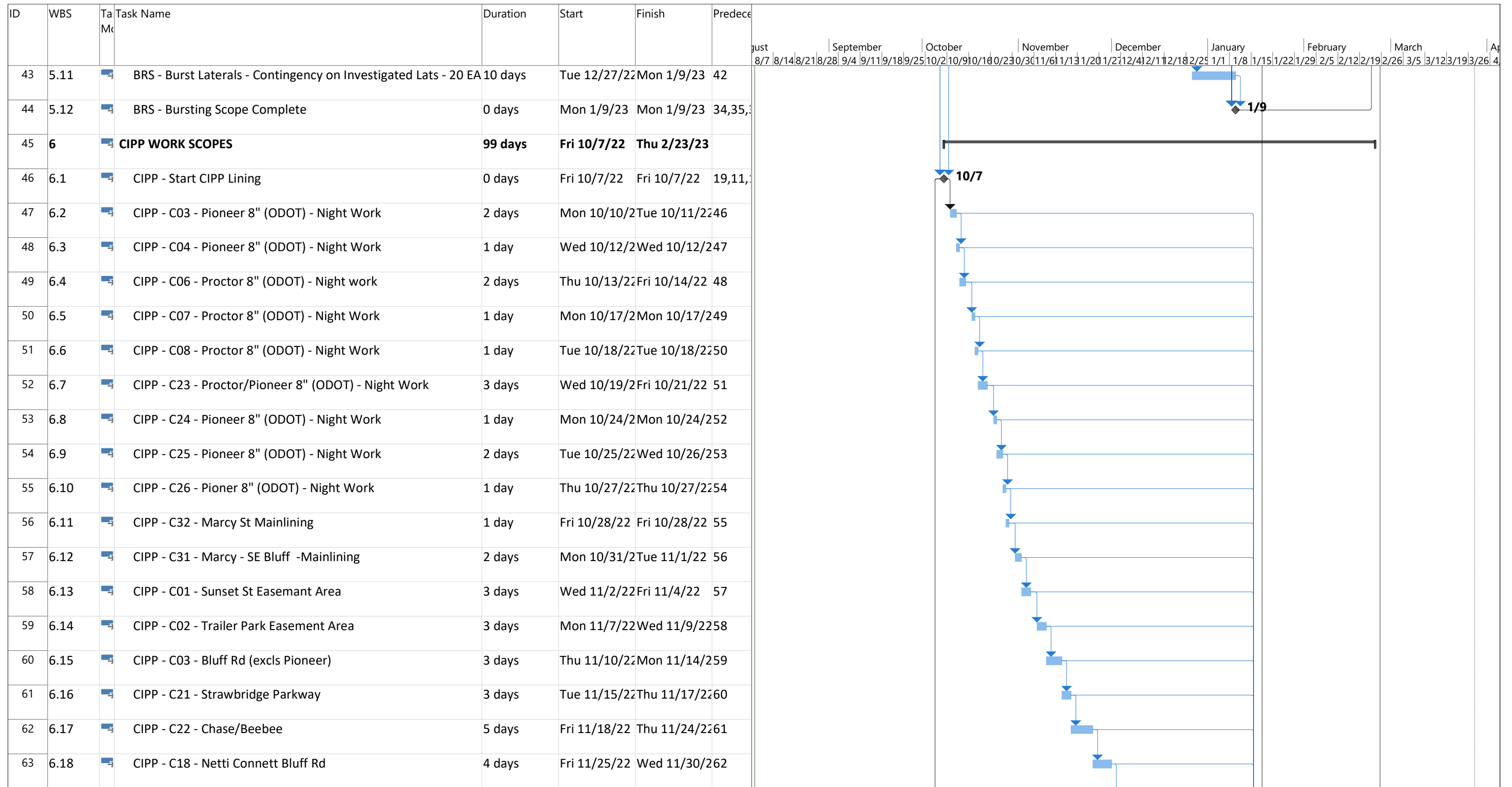
Project: Basin 6 and 7 - Schedule
Date: Mon 8/8/22

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

ID	WBS	Task Name	Duration	Start	Finish	Predecessors
22	4.1	GNRL - Start General Construction	0 days	Fri 8/19/22	Fri 8/19/22	3
23	4.2	GNRL - Clean, CCTV Root Rmvl, Investigative Mains	5 days	Mon 8/22/22	Fri 8/26/22	3,22
24	4.3	GNRL - Spot Repairs - Strawbridge	5 days	Mon 9/5/22	Fri 9/9/22	34SS
25	4.4	GNRL - Main Line Spot Repairs for CIPP (13 EA)	10 days	Mon 8/22/22	Fri 9/2/22	3,22
26	4.5	GNRL - Main Line Spot Repairs - Prelined Areas (34 EA)	20 days	Mon 9/5/22	Fri 9/30/22	25
27	4.6	GNRL - Grout Manholes - 135 EA (2 Crews)	22 days	Tue 1/17/23	Wed 2/15/23	78
28	4.7	GNRL - Raise/Adjust/Rebuild MHs -	10 days	Mon 10/3/22	Fri 10/14/22	25,26
29	4.8	GNRL - Open Cut Park C12 Area	4 days	Mon 8/29/22	Thu 9/1/22	22,14,
30	4.9	GNRL - Launch/Investigate Laterals per Contract - 135 EA (JNM	16 days	Mon 8/22/22	Mon 9/12/22	3
31	4.10	GNRL - General Construction Complete	0 days	Wed 2/15/23	Wed 2/15/23	22,23,
32	5	BURSTING SCOPES	91 days	Fri 9/2/22	Mon 1/9/23	
33	5.1	BRS - Start Main Line Bursting	0 days	Fri 9/2/22	Fri 9/2/22	29,10,
34	5.2	BRS - C12 - Strawbridge 12" Bursting Incl Laterals	14 days	Mon 9/5/22	Thu 9/22/22	33
35	5.3	BRS - C20 - Seaman St - 8" Bursting - Incl Laterals	5 days	Fri 9/23/22	Thu 9/29/22	34
36	5.4	BRS - C04 - Bruns Lane - 8" Bursting - Incl Laterals	4 days	Fri 9/30/22	Wed 10/5/22	35
37	5.5	BRS - C05 - Hood St Beers Ave 8" Burst - Incl Laterals	9 days	Thu 10/6/22	Tue 10/18/22	36
38	5.6	BRS - C29 - Scales Easement 8" Burst - Incl Laterals	7 days	Wed 10/19/22	Thu 10/27/22	37
39	5.7	BRS - C14 - Scenic St 8" Bursting - Incl Laterals	14 days	Fri 10/28/22	Wed 11/16/22	38
40	5.8	BRS - C11 - Pleasant 9" Bursting - Incl Laterals	8 days	Thu 11/17/22	Mon 11/28/22	39
41	5.9	BRS - Mainline Complete	0 days	Mon 11/28/22	Mon 11/28/22	34,35,
42	5.10	BRS - Burst Laterals (Outside of Main Burst Areas) - 40 EA	20 days	Tue 11/29/22	Mon 12/26/22	41



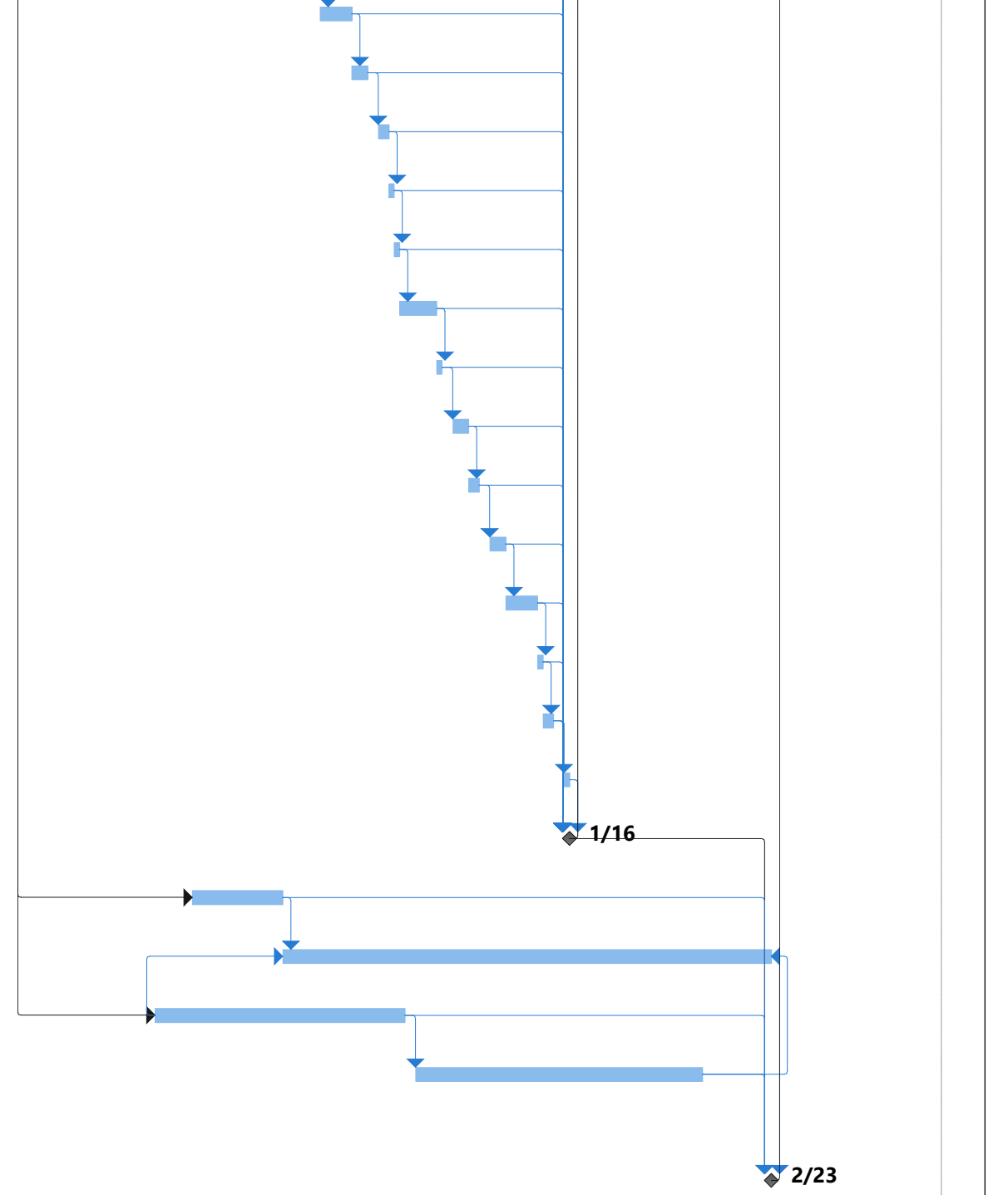
Project: Basin 6 and 7 - Schedule Date: Mon 8/8/22	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			



Project: Basin 6 and 7 - Schedule Date: Mon 8/8/22	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

ID	WBS	Task Name	Duration	Start	Finish	Predecessor
64	6.19	CIPP - C19 - Sandy Hts / Bluff / Heia	4 days	Thu 12/1/22	Tue 12/6/22	63
65	6.20	CIPP - C20 - Sandy Hts / Seaman	3 days	Wed 12/7/22	Fri 12/9/22	64
66	6.21	CIPP - C23 - Pioneer Ave Easements (out of ROW)	2 days	Mon 12/12/22	Tue 12/13/22	65
67	6.22	CIPP - C24 - Junker St (not ODOT)	1 day	Wed 12/14/22	Wed 12/14/22	66
68	6.23	CIPP - C25 - Junker Street/Easement	1 day	Thu 12/15/22	Thu 12/15/22	67
69	6.24	CIPP - C04 - Bluff Rd - Major Traffic	5 days	Fri 12/16/22	Thu 12/22/22	68
70	6.25	CIPP - C05 - Pleasant St Easement	1 day	Fri 12/23/22	Fri 12/23/22	69
71	6.26	CIPP - C28 - Park St	3 days	Mon 12/26/22	Wed 12/28/22	70
72	6.27	CIPP - C29 - Scales Ave Easement	2 days	Thu 12/29/22	Fri 12/30/22	71
73	6.28	CIPP - C12 - Meinig/Scenic	3 days	Mon 1/2/23	Wed 1/4/23	72
74	6.29	CIPP - C16 - Revenue Ave / Easement	4 days	Thu 1/5/23	Tue 1/10/23	73
75	6.30	CIPP - C10 - Renenuue Short Run	1 day	Wed 1/11/23	Wed 1/11/23	74
76	6.31	CIPP - C13 - Scenic St / Meinig	2 days	Thu 1/12/23	Fri 1/13/23	75
77	6.32	CIPP - C15 - Scenic St	1 day	Mon 1/16/23	Mon 1/16/23	76
78	6.33	CIPP - Main Line Rehab Complete	0 days	Mon 1/16/23	Mon 1/16/23	47,48,49
79	6.34	CIPP - PRO PIPE - Tee Liners - 25 EA	13 days	Mon 11/7/22	Wed 11/23/22	46SS+2
80	6.35	CIPP - Top Hats - All Locations (265 EA)	66 days	Thu 11/24/22	Thu 2/23/23	79,81S
81	6.36	CIPP - Lateral Rehabs - Blue Lights (71EA)	35 days	Mon 10/31/22	Fri 12/16/22	46SS+1
82	6.37	CIPP - Lateral Rehabs - Blue Lights (Investigated Lat Conting - 80EA)	40 days	Mon 12/19/22	Fri 2/10/23	81
83	6.38	CIPP - All CIPP Rehab Scopes Complete	0 days	Thu 2/23/23	Thu 2/23/23	78,79,80

August | September | October | November | December | January | February | March | April



Project: Basin 6 and 7 - Schedule Date: Mon 8/8/22	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

1.0 PROJECT PROCUREMENT PLAN

To ensure the success of the project, the CMGC Project Manager will oversee and directly manage all procurement activities to be performed under this project. The CMGC PM for this project is authorized to procure all subcontractors for this project.

1.1 Self -Performed Work

Oxbow Construction, as a normal course of business, performs sewer lining, lateral lining, open cut utility excavation, manhole restoration and pipe bursting. For this project, Oxbow has elected to self-perform all CIPP main and a portion of the lateral lining work, manhole grouting and rehabilitation work. Oxbow will subcontract out all pipe bursting, lateral pipe bursting, a small portion of the lateral CIPP lining, and the open cut manhole installation. Material procurements will be performed by Oxbow Construction and their selected subcontractors for their own associated work scopes.

1.1 Subcontract Procurement

The anticipated subcontractor service procurements for the project include the following:

Open Cut Mainline and Manhole Construction

Tee Liner/Lateral Lining (Partial)

CIPP Lateral Lining (Partial)

Pipe Bursting

Traffic Control

Pipe Video Inspection

All subcontract solicitations will be procured through the required solicitation and procurement process documented in the Contract. All solicitations will be advertised in local industry trade journals such as the OR DJC, OAME newsletter or other publications and will provide detailed information about the bid scopes. Oxbow Construction will provide complete project details including plans, specifications, and schedule information to all

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

1.1 Subcontract Procurement (Continued)

interested subcontractors. Solicitation efforts will be thoroughly documented to provide confirmation of lowest responsive and qualified subcontractor is utilized to complete the contract work.

Prior to finalizing any Subcontract, the results of solicitations shall be presented to the BES CM for review and concurrence on selected subcontractors prior to final subcontract awards.

In the event the Owner's representative and CMGC PM do not agree upon the selection of a subcontractor, the solicitation and proposal documentation shall be presented to the Owner and CMGC Project Sponsor for review and final determination of subcontractor award.

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

Subcontractor Formal Quotations

As a result of the project solicitation and procurement process, the project received formal bids for the scopes of work as delineated below:

Open Cut Spot Repair Work:

1. K&R Plumbing \$ 240,850.00 (Low Responsive Bidder)

Pipe Bursting Scope:

1. K&R Plumbing Construction Co \$ 526,945.00 (Low Responsive Bidder)

CIPP Lateral Lining Scope:

1. Pro-Pipe Inc. \$ 901,568.00 (Low Responsive Bidder)

Lateral Pipe Bursting Scope:

1. K&R Plumbing \$ 513,770.00 (Low Responsive Bidder)

Traffic Control Flagging Scope

1. Coat Flagging \$ 90,375.00 (Lowest Responsive Bidder)
2. CC Flagging \$ 94,500.00
3. Lord and Associate \$ (Non-Responsive – Bid Non-BOLI wages)

Pipeline Main Line Video Inspection Scope:

1. JNM Services \$ 59,414.00 (Lowest Responsive Bidder)

All bids received were procured through the formal subcontractor solicitation process. All bidding documentation is attached herein for reference.

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

See bid submissions following this page.

SUBCONTRACTOR/VENDOR/ SERVICES BID OPPORTUNITY

2022 SANITARY SEWER REHABILITATION FOR INFLOW AND INFILTRATION REDUCTION PROJECT

SANDY OR

Bids Due: August 2nd by 2:00 PM

Oxbow Construction is soliciting bids for the:

2022 Sanitary Sewer Rehabilitation for Inflow and
Infiltration Reduction Project in Sandy, OR

Bids Due: August 2nd, 2022, at 2:00 PM PST

Submit questions and bid packages to
Bids@Oxbow-Construction.com

Scopes of work include the following:

CCTV/Video Inspection (25,000 LF), Traffic Control
(Flagging Service 2,500 Hours), One Piece Main/Lateral
(4"-165 EA), Pipe Bursting/Open-cut (3,200 LF of Main/
6,600 LF Lateral Pipe Bursting, 360 FT of 6"-8" Open
Cut & 60 EA Open Cut Spot Repairs).



Iron Horse Excavation, LLC dba Oxbow Construction is an equal
opportunity employer and is requesting subcontractor and material
supplier quotes, including, but not limited to, Minority (MBE),
Women (WBE), Disadvantaged (DBE), Emerging Small Business (ESB),
Service Disabled Veteran Business Enterprise (SDVBE), and Small
Business Enterprise (SBE). CCB 166020

23460368

City of Sandy Collections System Inflow and Infiltration

K&R Plumbing

Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
1	Mobilization and Demobilization	LS	1	\$ 115,000.00	\$ 115,000.00
4	Temporary Flow Diversion/Dewatering for bursting/open cut	LS	1	\$ 5,000.00	\$ 5,000.00
5	Dewatering for bursting/opencut	LS	1	\$ 100.00	\$ 100.00
6	Erosion and Sedimentation Control for bursting/opencut	LS	1	\$ 3,500.00	\$ 3,500.00
8	Pothole Service Lateral	EA	20	\$ 2,000.00	\$ 40,000.00
9	TV and Locate Service Lateral via Push cam	EA	20	\$ 100.00	\$ 2,000.00
10	TV and Locate Service Lateral via Lateral launch	EA	40	\$ 250.00	\$ 10,000.00
11	Allowance for Private Property Restoration for bursting/open cut	LS	1	\$ 20,000.00	\$ 20,000.00
12	Bursting Pit, 0-8 feet deep	EA	1	\$ 1,750.00	\$ 1,750.00
13	Bursting Pit, 8-12 feet deep	EA	4	\$ 2,500.00	\$ 10,000.00
14	Bursting Pis, over 12 feet deep	EA	7	\$ 3,500.00	\$ 24,500.00
15	Upsize 6-inch Sanitary Sewer to 8-inch by Pipe Bursting	LF	213	\$ 85.00	\$ 18,105.00
16	8-inch Sanitary Sewer by Pipe Bursting	LF	2361	\$ 75.00	\$ 177,075.00
17	12-inch Sanitary Sewer by Pipe Bursting	LF	526	\$ 90.00	\$ 47,340.00
18	Individual Service Lateral Cleanout - houses w/o c/o	EA	75	\$ 400.00	\$ 30,000.00
19	Reconstruct Public Service Lateral Connection for burst pipe with fusion saddle, 0-8 feet deep	EA	5	\$ 2,800.00	\$ 14,000.00
20	Reconstruct Public Service Lateral Connection for burst pipe with fusion saddle, 8-12 feet deep	EA	28	\$ 3,000.00	\$ 84,000.00
21	Reconstruct Public Service Lateral Connection for burst pipe with fusion saddle, >12 feet deep	EA	29	\$ 3,500.00	\$ 101,500.00
22	Reconstruct Public Service Lateral by Open-cut Excavation or Pipe Bursting	LF	740	\$ 71.00	\$ 52,540.00
23	Reconstruct Private Service Lateral by Open-cut Excavation or Pipe Bursting	LF	1950	\$ 55.00	\$ 107,250.00
31	Reconstruct Public Service Lateral Connection for CIPP pipe by Open-cut Excavation with InsertaTee	EA	5	\$ 3,000.00	\$ 15,000.00
34	Reconstruct Public Service Lateral for CIPP pipe by Open-cut Excavation or bursting	LF	880	\$ 71.00	\$ 62,480.00
35	Reconstruct Private Service Lateral for CIPP pipe by Open-cut Excavation or bursting	LF	1400	\$ 55.00	\$ 77,000.00
38	Rebuild MH Base as noted on plans	EA	15	\$ 1,000.00	\$ 15,000.00
41	48-inch Sanitary Manhole, first 8-feet	EA	1	\$ 7,250.00	\$ 7,250.00
42	48-inch Sanitary Manhole, each additional foot	VF	1	\$ 325.00	\$ 325.00
49	6-Inch Sanitary Sewer by Open-cut	EA	50	\$ 150.00	\$ 7,500.00
50	8-Inch Sanitary Sewer by Open-cut	LF	282	\$ 175.00	\$ 49,350.00
53	Open-Cut Spot Repair 6-12 Inch, 5 feet long, 0-15 feet deep	EA	47	\$ 3,500.00	\$ 164,500.00
54	Open-Cut Lateral Spot Repair, 5 feet long, 0-15 feet deep	EA	13	\$ 1,500.00	\$ 19,500.00
				Total Bid :	\$ 1,281,565.00

Oregon License No. 210754 Quote # OR: 80222		Pro-Pipe, Inc. 10650 SW Manhasset Dr, Tualatin, OR 97062 O: 800 784 7473 F: 602 861 1423 Timothy Hunker M: 520-269-9994 timothy.hunker@pro-pipe.com pro-pipe.com
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PROPOSAL SUBMITTED TO: Oxbow Construction	DATE 8/2/2022	PHONE 503-816-1212
STREET (Business address) 31005 E Historic Columbia River HWY.	JOB / PROJECT NAME 2022 Sanitary Sewer Rehabilitation for Inflow and Infiltration	
CITY, STATE AND ZIP CODE Troutdale, OR 97060	JOB LOCATION Sandy, OR	
CONTACT NAME Erin Preston erin@oxbow-construction.com	PREVAILING WAGE QUOTE	

ITEM	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	Mobilization, Bonds, Insurance, and Demobilization	1	LS	\$35,000.00	\$35,000.00
2	TV and Locate Service Lateral via Lateral launch	140	EA	\$235.00	\$32,900.00
3	Rehabilitate Public Service Lateral Connection for CIPP pipe with UV-cured connection brim and lateral liner	165	EA	\$5,300.00	\$874,500.00
4	Rehabilitate Public Service Lateral Connection for CIPP pipe with UV-cured Top Hat	120	EA	\$1,650.00	\$198,000.00
5	Rehabilitate Public Service Lateral for CIPP pipe by CIPP	1,928	LF	\$96.00	\$185,088.00
6	Rehabilitate Private Service Lateral for CIPP pipe by CIPP	3,065	LF	\$99.00	\$303,435.00
		-			

GRAND TOTAL: **\$1,628,923.00**

EXCLUSIONS (any qualifications to exclusions are in parenthesis)

1	Flow Diversion, Bypass Pumping and Operating Pump Stations
2	Excavation of any kind
3	Permits, Licenses and Performance Bonds
4	Access (Owner shall provide adequate access)
5	Mechanical Cleaning
6	Major Traffic Control
7	Disposal (Owner shall provide local disposal site and cover associated fees)
8	Water (Owner shall provide mobile means of providing water, such as mobile meter or fire hydrant hookup)
9	Pro-Pipe is not responsible for any Liquidated/Consequential Damages due to scheduling conflicts.
10	Pro-Pipe is currently scheduled out until December and unable to meet the current deadline of project.

WE PROPOSE hereby to furnish material and labor -- complete in accordance with above specifications, for the sum of:

Payment terms: 30 Days of Invoice	Dollars:	\$1,628,923.00
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This proposal shall be incorporated into the service contract when Pro Pipe is listed as a subcontractor.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements are contingent upon strikes, accidents, or delays beyond our control. Maximum allowable interest charge on overdue invoices. Professional Pipe Services will provide certificate of insurance upon request.

Authorized Signature:

This proposal may be withdrawn by us if not accepted within 30 days.

ACCEPTANCE OF PROPOSAL :
The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Requests for additional services beyond the above outlined scope will be submitted by written change order and payment thereof made accordingly.

Date	Customer Signature
	Print name/Title



PROPOSAL

CCB #223421
 WBE/ESB #11710
 NASSCO Certified

PO Box 895
 Halfway, OR 97834
 P: 503-849-7278
 E: stacy@jnmservices.com
 Date:
 7/26/2022

Proposal Submitted To: _____ **Job Location:** _____

Estimator: _____ **City of:** Sandy

Project Name: _____

2022 Sanitary Sewer Rehabilitation for Inflow and Infiltration Project, City of Sandy

Description	Unit	Qty	\$/Unit	Subtotal
1. Mainline Assessment CCTV				
Operated Camera Truck - >660 feet every 4 hours	FT	TBD	\$1.95	
Operated Camera Truck - <660 feet every 4 hours	HR	TBD	\$320.00	
2. Lateral Assessment CCTV				
Lateral Launch includes locate (10 lateral min per 8 hour day, will be prorated)	EA	TBD	\$195.00	
Electronic Lateral Locate Only - No video will be done	EA	TBD	\$130.00	

- Mobilization fee waived when 10 lateral minimum is met per day or when lateral launch is combined with mainline inspection

Terms and Conditions

Quantities are estimates, actual costs will be calculated by final numbers of mainline and laterals filmed
 ****Please note that bypass pumping is excluded and may need to be installed and operational for videoing****
 660 feet per every 4 hours minimum otherwise a 4 hour minimum will apply, billing is done in 4 hour increments @ \$320 per hour
 Traffic control, confined space entry equipment/personal if required for camera insertion or retrieval and erosion control by others
 All permits, fees, engineering, sanitation, site security by others
 This proposal is to be incorporated into any contract or subcontract with JNM Services unless we specifically state otherwise
 Standard Rates are for an 8 hour day, any time over 8 hours will incur a surcharge of \$65 per hour in addition to standard rates
 Stand by time will be charged at \$275 per hour
 If Bond required add 2%
 Above rates are for CCTV Inspection Only, no protrusion removal or cutting included in the bid
 The quote is subject to camera van availability
 Payment to be net 30, no retainage

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory as stated and hereby accepted. You are authorized to commence work as specified.
 Payment will be made as outline above.

Signature of Acceptance: _____

Notice: This proposal may be withdrawn if not accepted within 30 days



Chick Of All Trades, LLC dba C.O.A.T. Flagging

A Chick Of All Trades, LLC company

5025 NE 82nd Ave
Portland, OR 97220

503.467.6386 phone
503.284.1177 fax

DBE / MBE / WBE

Oregon:
Oregon CCB 175212
DBE, MBE, WBE CERT# 4546

Washington State:
WA LIC: CHICKAT9200Q
DBE CERT ID # D5F1021136



*Equal Opportunity Employer
Drug Free Workplace*



2022 Oregon Rates

1% Discount on all invoices paid within 30 days of invoice date.

Traffic Control	Hourly	Overtime*	Double**
Traffic Control Flagger – Includes flagger time only. Excludes any equipment.	\$60.25	\$80.00	\$99.50
Escort/Pilot Car Driver – Includes drivers time only. Excludes any equipment. See below for vehicle rental rates.	\$65.50	\$87.75	\$110.00
Traffic Control Laborer/TMA Driver – Includes laborers time only. Excludes any Equipment See below for vehicle rental rates.	\$66.50	\$88.75	\$111.00
Traffic Control Supervisor (TCS) without truck Includes TCS time only, excludes any equipment. See below for vehicle rental rates. TCS must have a pickup truck supplied by C.O.A.T. if supplying Traffic Control equipment as well.	\$67.50	\$90.00	\$112.50

ADD THE APPROPRIATE ZONE PAY TO THE ABOVE RATES

Zone Differential (Add to Zone 1 rates):

- Zone A - All jobs or projects located within 30 miles of the respective City Hall
- Zone B - \$0.85 More than 30 miles and less than 40 miles from the respective City Hall
- Zone C - 1.25 More than 40 miles and less than 50 miles from the respective City Hall
- Zone D - 2.00 More than 50 miles and less than 80 miles from the respective City Hall
- Zone E - 4.00 More than 80 miles and less than 100 miles from the respective City Hall
- Zone F - 5.00 More than 100 miles from the respective City Hall.

CITY HALL - BASEPOINT

ALBANY ASTORIA BAKER CITY BEND BURNS COOS BAY

Basic Traffic Control Equipment Rental Package– All taxes and Fuel Costs included

Pickup Truck, up to 12 hours per day, with up to 16 Signs and 35 Cones			
Package price	\$275/day	\$1,150/week	\$3,500/month

Additional Traffic Control Equipment Rental – All taxes and Fuel Costs included

	Daily	Weekly	Monthly
Signs – (Roll-Ups or Metal)	\$11.00	\$33.00	\$99.00
Safety Cones/Delineators – (28" or 42")	\$1.00	\$3.00	\$9.00
Channelizing Barrel/Slimline Barrel	\$2.00	\$6.00	\$18.00
Type II Barricades	\$2.00	\$6.00	\$18.00
Type III Barricades	\$6.00	\$18.00	\$54.00
Flashing Amber Light	\$1.00		
Arrowboards	\$115.00	\$345.00	\$1035.00
Variable Message Boards	\$250.00	\$750.00	\$2000.00
Flagger Light Balloon and Generator	\$95.00	\$310.00	\$925.00
Truck Mounted Attenuator/Barrel Truck	\$500.00	\$1,500.00	\$5,000.00
Pedestrian Barricades, 6' Barricade	\$9.00	\$30.00	\$90.00
Speed Trailer	Call For Pricing		
Portable Traffic Signal Set of 2 – (\$1,500 Set up fee)	Call For Pricing		

Additional Costs

Equipment Delivery/Pickup – (Does not include set up/tear down)	\$100 - \$250 each For Portland Metro Area
<i>(Pricing varies with quantity ordered and distance traveled)</i>	Varies Outside Portland Metro
Pickup Truck Rental – (Includes Fuel)	\$125 Minimum -\$15.00/hr for work after 8 hours
Flatbed Truck Rental – (Includes Fuel)	\$175 Minimum -\$17.50/hr for work after 8 hours
Bonding Rate if Required	3% of contract value

PLEASE NOTE THE FOLLOWING:

- *Overtime rates are charged after 8 hours and on Saturday shifts. ** Double time rate is charged after 12 hours and on Sundays and Holidays. Fridays or Mondays will be considered the holiday if it falls on a weekend day.
- ✓ Two-hour minimum per person for 'show-up' cancellations prior to start of shift. Four-hour minimum per person for cancellations after starting a shift.
- ✓ Dispatch requests are to be made prior to 3:00 p.m. for the next working day and prior to 3:00 p.m. on Fridays for any weekend or Mondays. If dispatch request are made after 4:00p.m. there may be a minimum of \$75.00 Late Dispatch fee added. Requests made on holidays or the weekend are subject to higher fees.
- ✓ All equipment is subject to availability.
- ✓ All lost, damaged or stolen rental items will be billed at current replacement price.
- ✓ Rates are Subject to Change without Notice.
- ✓ Rates will increase to meet the higher of Labor Union, Davis Bacon or BOLI rate.
- ✓ Contractor is responsible for ensuring flaggers/laborers take a 30 minute unpaid lunch if the shift lasts more than 5 hrs. If lunch is not provided there will be an additional 1 hour of overtime billed per flagger.
- ✓ **LUNCH PERIOD:** A regular lunch period of not less than one half (0.5) hour or more than one (1) hour shall be established within one (1) hour of mid-shift but in no event longer than five (5) hours from the beginning of the shift. If an employee is required to work more than five (5) hours from the beginning of the shift without a lunch period, he/she shall be paid a half (0.5) hour at the applicable overtime rate and in addition given no less than thirty minutes to eat his/her lunch. If the employee is not given a minimum of thirty minutes to eat, he/she shall then receive an additional one half (0.5) hour at the applicable overtime rate. Employees who have been given sufficient time to eat during the regular shift may be allowed to work twelve (12) hours without a second lunch period penalty. If the employee works over twelve (12) hours, he/she shall be paid one half (0.5) hour penalty at the applicable overtime rate. If the employee is not given sufficient time to eat his/her lunch during his/her regular shift, an additional one half (0.5) hour penalty shall be paid if required to work longer than ten (10) hours.
- ✓ C.O.A.T. Flagging provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state, or local laws. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.



P. O. Box 66395
Portland, Oregon 97290
Phone: 971-533-0011
Email: info@ccflagging.com
DBE/MBE/WBE/ESB #11036
CCB #217316

July 26, 2022

To whom it may concern:

C & C Flagging, LLC would like to bid on the City of Sandy- 2022 Sanitary Sewer Rehabilitation for Inflow and Infiltration Project.

Flagging at the rate of \$63.00 per hour.

Flagging OT at the rate of \$73.00 per hour.

Feel free to call with any questions.

Thank you,

Candice Pierce
C & C Flagging, LLC



Lord and Associates, Inc.

4622 SE Johnson Creek Blvd.

Milwaukie, OR 97222

503-777-4902

2022 Private rates

The following lists our prices for traffic control services in the Portland and Salem areas. We are a Federal and Oregon Certified DBE/WBE (Oregon certification #884) with CCB #217438. Our payment terms are due upon receipt.

TRAFFIC CONTROL PLAN CONSULTATION:

Site consultation, including travel time. 1-hour minimum. **\$75.00 per hour**

TRAFFIC CONTROL PLAN:

When possible, please give 5-day notice for traffic control plans. **\$200 per plan** Not BOLI Rates

FLAGGERS: Private rate: **\$36.00 Reg/\$52.50 OT**

All flaggers are ODOT certified and carry their card with them. The flaggers come equipped with stop and slow paddle, reflective vest, hard hat and radios (upon request). The flaggers wear full coverage pants, shirts and sturdy work shoes. Overtime is any work over 8 hours a day, between the hours of 6:00pm to 6:00am, weekends and federal holidays.

SIGN TRUCK & EQUIPMENT:

\$15.00 per hour

- 1 - Truck w/Beacon Light 2 - "Worker Ahead" 2 - "Be Prepared To Stop"
- 2 - "Flagger Ahead" 1 - R/L Lane Closed 1 - R/L Trans. 20 - 28" Cones

The Flaggers will set up the work zone according to the State ODOT Short Term Traffic Control handbook standard and flag as required. The approximate set up and tear down time is 30 minutes each.

ADDITIONAL SIGNS & EQUIPMENT RENTAL

Signs & Stands	\$9.00 each per day	30 Minute flares	\$4.00 each
28 Inch Cones	\$2.00 each per day	Type II Barricades	\$8.00 each
Emergency Lights	\$80.00 per day	Type III Barricades	\$9.00 each
Arrow Board	\$50.00 per day		

SECONDARY AFTER HOURS CONTACT & PHONE #:

If there is no answer on the main phone line, please call the following number: Kim Lord (503) 961-3480.

We have a 4-hour minimum charge per flagger. There will be no charge if Flaggers are cancelled 1 hour or more prior to their scheduled start time. The services provided above are for work done within the Portland Metro service area. For services over and above those specified, Contractor should contact Lord & Associates, Inc. to determine the appropriate charges in advance of such work. For further information, please give us a call. Thank you again for considering Lord & Associates, Inc.

Sincerely,

Kim Lord

Lord & Associates, Inc.

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

Supporting Documentation

Specifications

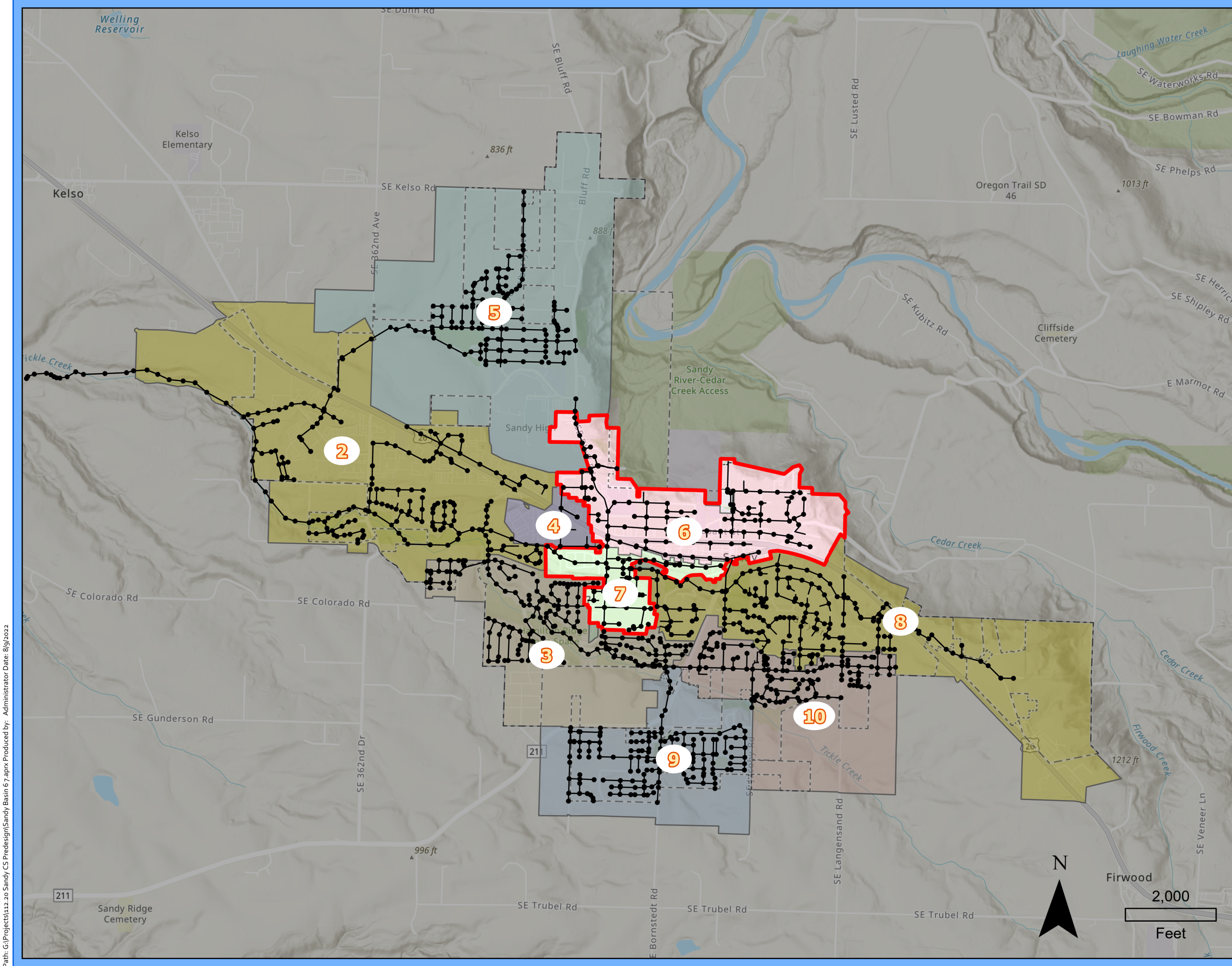
Please find the Project Construction Specifications following This page

Collection System Inflow and Infiltration Reduction Project Basin 6 & 7 – 2022-2023

Guaranteed Maximum Price (GMP) Project Submittal

Drawings

Please find the Project Construction Plans and Details following This page



Legend

- City Boundary
- Sewer Junctions
- Sewer Mains

Meter Basin

- 2 and 8 (I/I reduction)
- 3
- 4
- 5
- 6
- 7
- 9
- 10

- Project Area and Mask



This map published for the City of Sandy, Oregon by Leeway Engineering Solutions on 2/15/2022. Leeway makes no claims about the map's accuracy, which is based on the source data. Data sources include the City of Sandy, Clackamas County and ESRI World Maps.

Figure 1
Sandy Basins 6 and 7
Project Overview Map

Path: G:\Projects\12.20 Sandy CS PreDesign\Sandy Basin 6.7.aprx Produced by: Administrator Date: 8/9/2022