



Yakima Mill Site Redevelopment Design Services
Scope of Services
Develop Bid Ready Contract Packaged for Phases 1A, 1B and 2

Exhibit A

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Exhibit A

INTRODUCTION

The City of Yakima and Yakima County have been jointly working toward the redevelopment of the Boise Cascade Mill Site and East-West Corridor Congestion Relief Project. In 2015, the City of Yakima completed construction of the first of multiple stages to these projects, the Fair Avenue Roundabout and short extension of Bravo Company Boulevard. In order for the new bridges over the Yakima River and I-82 to proceed (in coordination with a WSDOT project to add lanes to I-82 and interchange ramps to the new I-82 bridge), construction of the next phase of Bravo Company Boulevard must be completed for the bridges to have a “touch down” point connected to the existing street system.

Because development of roads has been challenged by the location of waste deposits that include an old municipal landfill and deposits of woody debris from the operations of the Boise Cascade Mill, the City has expended considerable effort to develop a mitigation plan for those waste deposits. Until a determination was made how to address construction of a road over the “landfill” area, design has proceeded under the assumption that the underlying road bed would be good material. In 2018, a decision was made to remove the waste material (both municipal waste and woody debris) entirely, from under the roadbed. In addition, in 2019, the City decided to amend the current design to include bicycle lanes along both Bravo Company Boulevard and H Street extended.

This scope of services includes the design work necessary to both remove the waste material and redesign the streets to accommodate bicycle lanes.

Outlined below are the scopes of services for the following elements of improvements to the Cascade Mill District:

Phase 1A: Prepare Ad Ready bid package for utility installation for sanitary sewer and domestic water for Segments One and Two of Bravo Company Boulevard; Complete Phase 1A PSE for advertisement. Work includes installing the underground water and sewer lines in Phase 1B (south of the tracks) and Phase 2 (north of the tracks).

Phase 1B: Prepare Ad Ready bid package for Segment Two – Bravo Company Boulevard or Cascade Mill Parkway (to be named in the future), connecting the proposed roundabout south of the railroad tracks to the proposed roundabout north of the railroad tracks, including bicycle lanes and extending a multi-purpose path to the Yakima Greenway Trail; and Complete Phase 1B PSE for advertisement.

Phase Two: Prepare Ad Ready bid package for Segment One –Bravo Company Boulevard, from the current terminus north of the Fair Avenue Roundabout, to the roundabout connecting Bravo Company Boulevard to the East-West Corridor or Cascade Mill Parkway adding sufficient width to incorporate a buffered bicycle lane.

ASSUMPTIONS & EXCLUSIONS

- Permits, right-of-entry, access, and utility notification is not within the scope of services provided by the CONSULTANT;



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- The City and/or County will coordinate directly with environmental agencies and the Yakima Indian Nation;
- Prepare plans using AutoCAD Civil 3D;
- Reports and drawings provided under this contract will be provided in electronic format, including PDF, Microsoft Office, and AutoCAD;
- Current roadway geometrics and grades will not change with the exception of roadway elements that are affected by the addition of bicycle lanes;
- Work conducted within the City limits will meet City design standards;
- Bicycle lanes will be a total of 6-feet in width, the bicycle lanes will be 4-feet wide with a 2-foot wide painted buffer next to the traffic edge line;
- Utilities will be as currently designed and not impacted by the addition of bicycle lanes;
- With the addition of bicycle lanes, 11-foot wide general purpose traffic lanes are acceptable to the City;
- Plans, specifications, and contract documents, to the extent feasible, will be developed in accordance with the latest edition and amendments of the following:
 - Washington State Department of Transportation/American Public Works Associations, 2023 "Standard Specifications for Road, Bridge, and Municipal Construction";
 - Washington State Department of Transportation, "Highway Design Manual"; and
 - FHWA "Manual on Uniform Traffic Control Devices for Streets and Highways."
- Calculations, analyses, design, plans, specifications, and other project work will be prepared in English units and the use of metric units will not be required;
- Lochner excludes Quality Control review of HLA design and engineering work but has required HLA to submit a Quality Assurance/Quality Control (QA/QC) plan and certify they are in compliance with that plan for each submittal;
- Construction Support Services are not included in this agreement.

TASK 1: PROJECT MANAGEMENT

The CONSULTANT will prepare up to six (6) monthly progress reports and invoices. Periodic coordination with City staff, including up to six (6) monthly coordination meetings with no more than two (2) CONSULTANT staff members in attendance (not including subconsultants as required).

DELIVERABLES:

- Monthly invoices and progress reports

TASK 2: PHASE 1-A: UTILITY DESIGN FOR SANITARY SEWER AND DOMESTIC WATER FOR SEGMENTS ONE AND TWO FOR BRAVO COMPANY BOULEVARD



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The CONSULTANT will prepare bid ready documents to redesign Bravo Company Boulevard, from the current terminus north of the Fair Avenue Roundabout, to the roundabout connecting Bravo Company Boulevard to the East-West Corridor or Cascade Mill Parkway.

For scope of services see HLA Scope of Work for Domestic Water and Sanitary Sewer System Improvements 7th/H Street to Fair Avenue Roundabout Extension found in Appendix A

TASK 3 PHASE 1-B: FINAL SUBMITTAL BID-READY DESIGN AND BIDDING SUPPORT BRAVO COMPANY BOULAVARD SOUTH OF RAILROAD TO FAIR AVENUE

After the City has reviewed the PS&E Review Set submittal the CONSULTANT will finalize the plans and contract documents for Bid Ready plans and contract document, and Engineer's Opinion of Probable Cost and submit them to the City. For subconsultants services for utility design see HLA Scope of Services and budget estimate in Appendix A.

3.1 DESIGN CORRINATION

- a.) Coordination design of utilities with finish grade of roadway surfaces. Update base project map with Phase 1A as-builts. Coordinate final bid-ready package assembly.

3.2 FINAL BID READY DOCUMENTS

- a.) Prepare Special Provisions and Bid Documents

The CONSULTANT will finalize the special provisions for items not included or revised from the WSDOT 2020 Standard Specifications for Road, Bridges, and Municipal Construction. The CONSULTANT will also complete the front-end bid documents for the project with templates provided by the CITY.

- b.) Prepare contract documents including updated GSPs from WSDOT and City of Yakima

- c.) Prepare bid schedule to reflect quantities for Phase 1B bid package.

- d.) Adjust roadway design to be compatible with as-built survey of Phase 1A utilities

- e.) Prepare Bid-Ready plan set for Phase 1B advancing the 90% plans submitted to the CITY and separating Ad ready plans a project phase line south of existing railroad.

- f.) The CONSULTANT will prepare quantity takeoffs and update the opinion of probable construction costs.

- g.) The CONSULTANT will conduct an in-house quality review of the plans and specifications and contract documents before they are submitted to the CITY.

- h.) The CONSULTANT will revise documents based on QC review comments and combine discipline design documents into one PS&E submittal package.



Yakima Mill Site Redevelopment Design Services

Scope of Services

Develop Bid Ready Contract Packaged for Phases 1A, 1B and 2

Exhibit A

DELIVERABLES:

- PDF Electronic Copies of the final plans, specifications, contract documents and cost estimate ready for printing.

3.3 BIDDING SUPPORT SERVICES

The CONSULTANT will provide assistance during the bidding process for this project. This work will include the preparation of responses to bidder's questions, coordinating with designers, the City. The Consultant will prepare up to one (1) contract addenda and respond up to six (6) contractor RFIs during the bid phase

DELIVERABLES:

- Written response to bidder RFIs up to six (6)
- Contract Addenda up to one (1)

TASK 4 PHASE 2: BRAVO COMPANY BLVD FROM RAILROAD TO N 7TH STREET/ EAST H STREET

After the City has reviewed the PS&E Review Set submittal the CONSULTANT will finalize the plans and contract documents for Bid Ready plans and contract document, and Engineer's Opinion of Probable Cost and submit them to the City. For subconsultants services for utility design see HLA Scope of Services and budget estimate in Appendix A.

4.1 DESIGN CORRINATION

- a.) Coordination design of utilities with finish grade of roadway surfaces. Update base project map with Phase 1A as-builts. Coordinate final bid-ready package assembly (completed in Task 3.). Coordinate additional of rail crossing signal into bid ready documents.

4.2 FINAL BID READY DOCUMENTS

- a.) Prepare Special Provisions and Bid Documents

The CONSULTANT will finalize the special provisions for items not included or revised from the WSDOT 2023 Standard Specifications for Road, Bridges, and Municipal Construction. The CONSULTANT will also complete the front-end bid documents for the project with templates provided by the CITY..

- b.) Prepare contract documents including updated GSPs from WSDOT and City of Yakima.
- c.) Prepare bid schedule to reflect bid items for Phase 2 bid package.
- d.) Adjust roadway design to be compatible with as-built survey of Phase 1A utilities.
- e.) Prepare Bid-Ready plan set for Phase 2 advancing the 90% plans submitted to the CITY and separating Ad ready plans a project phase line south of existing railroad.



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Exhibit A

- f.) The CONSULTANT will prepare quantity takeoffs and update the opinion of probable construction costs.
- g.) The CONSULTANT will conduct an in-house quality review of the plans and specifications and contract documents before they are submitted to the City.
- h.) The CONSULTANT will revise documents based on QC review comments and combine discipline design documents into one PS&E submittal package.

DELIVERABLES:

- PDF Electronic Copies of the final plans, specifications, contract documents and cost estimate ready for printing.

4.3 BIDDING SUPPORT SERVICES

The CONSULTANT will provide assistance during the bidding process for this project. This work will include the preparation of responses to bidder's questions, coordinating with designers, the CITY. The Consultant will prepare up to one (1) contract addenda and respond to up to six (6) contractor RFIs during the bid phase.

DELIVERABLES:

- Written response to bidder RFIs up to six (6)
- Contract Addenda up to one (1)

**City of Yakima Bravo Company Boulevard Design Services
Develop Bid Ready Contract Packaged for Phases 1A, 1B and 2**

**City of Yakima
H. W. Lochner, Inc.**

Classification	Direct Rate	Overhead 1.5909	Fixed Fee 0.3	Loaded Rate	Total Hours	Total Labor
Project Principal/ Principal Engineer	\$ 82.82	\$ 131.76	\$ 24.85	\$ 239.42	28	\$ 6,704
Project Manager/Project Engineer	\$ 80.71	\$ 128.40	\$ 24.21	\$ 233.32	94	\$ 21,933
QC Manager/Project Engineer	\$ 50.49	\$ 80.32	\$ 15.15	\$ 145.96	232	\$ 33,863
Roadway Engineer III	\$ 43.27	\$ 68.84	\$ 12.98	\$ 125.09	118	\$ 14,761
Roadway Designer	\$ 46.50	\$ 73.98	\$ 13.95	\$ 134.43	-	\$ -
Drafting	\$ 42.37	\$ 67.41	\$ 12.71	\$ 122.49	-	\$ -
Administration Project Control	\$ 32.45	\$ 51.62	\$ 9.74	\$ 93.81	6	\$ 563
Subtotal Lochner Labor:					478	\$ 77,823
2023 Cost of Living Increase					30.00%	6.00%
						\$ 1,401
Total Lochner Labor Cost						\$ 79,224
Lochner Direct Expenses:						Cost
Mileage						
Travel						\$ -
Graphics/Reproduction						
Postage/Shipping						
Other Expenses						\$ -
Total Lochner Direct Expenses:						\$ -
Firm Total: H.W. Lochner, Inc.						\$ 79,224
Sub consultant Estimates:						Cost
HLA - Water Sewer System						\$ 45,700
HLA - Bravo Company Blvd. Phase I						\$ 50,300
HLA - Bravo Company Blvd. Phase 2A						\$ 39,800
RANI						\$ 16,039
B&O Tax 1.8%						\$ 2,733
Total Subconsultants:						\$ 154,572
Management Reserve 10%						\$ 23,380
TOTAL FEE ESTIMATE						\$ 257,176

City of Yakima Bravo Company Boulevard Design Services
Develop Bid Ready Contract Packaged for Phases 1A, 1B and 2

Task No.	TASKS/STAFF	Principal	Project Manager	Roadway Engineer III	Contract Manager	Admin.	Total Hours	Item Cost
1	Project Management							
	Progress Reports and Invoicing (6 Months)	6				6	12	
	Communication and Coordination with City of Yakima and Yakima County	6	6				12	
	Sub-total of Task 1	12	6	0	0	6	24	
	Direct Labor	993.84	484.26			194.70		
	Overhead = 1.5909	1,581.10	770.41			309.75		
	Profit = 0.3000	298.15	145.28			58.41		
	Subtotal Labor Cost to Task 1	2,873.09	1,399.95			562.86		4,835.90
2	Project Phase 1A: Domestic Water and Sanitary Sewer System Improvements (N. 7th Street/H Street to Fair Avenue Roundabout Extension)							
	HLA to Provide All Services to Phase 1A (see attached Exhibit)							
3	Project Phase 1B: Bravo Company Blvd. (South of Railroad to Fair Avenue) - Final Submittal PS&E for Bid Ready							
3.1	Coordination							
a	Coordination with HLA		6				6	
3.2	Final Bid Ready Documents							
a	Prepare contract special provisions		12		32		44	
b	Prepare contract documents and GSPs				24		24	
c	Prepare bid schedule		4		6		10	
d	Incorporate utility as-builts from Phase 1A			2			2	
e	Prepare contract drawings			40			40	
f	Prepare Engineer's Opinion of Probable Cost			12	24		36	
g	Final QA/QC for Bid Ready Deliverables	8	8	8	4		28	
h	Prepare Bid Ready PS&E Package		4	4	32		40	
3.3	Bid Support Services							
a	Prepare contract addenda		6	4	8		18	
b	Address bidder RFIs		8	4			12	
	Sub-total of Task 3	8	48	74	130	0	260	
	Direct Labor	662.56	3,874.08	3,201.98	6,563.70	-		
	Overhead = 1.5909	1,054.07	6,163.27	5,094.03	10,442.19	-		
	Profit = 0.3000	198.77	1,162.22	960.59	1,969.11	-		
	Subtotal Labor Cost to Task 3	1,915.39	11,199.58	9,256.60	18,975.00	-		41,346.58
4	Project Phase 2: Bravo Company Blvd. (North of Railroad to N. 7th Street/H Street) - Final Submittal PS&E for Bid Ready							
4.1	Coordination							
a	Coordination with HLA		6				6	
4.2	Final Bid Ready Documents							
a	Prepare contract special provisions		6		16		22	
b	Prepare contract documents and GSPs				18		18	
c	Prepare bid schedule		4		4		8	
d	Incorporate utility as-builts from Phase 1B						0	
e	Prepare contract drawings			28			28	
f	Prepare Engineer's Opinion of Probable Cost				20		20	
g	Final QA/QC for Bid Ready Deliverables	8	8	8	4		28	
h	Prepare Bid Ready PS&E Package		4	4	28		36	
4.3	Bid Support Services							
a	Prepare contract addenda		6		8		14	
b	Address bidder RFIs		6	4	4		14	
	Sub-total of Task 4	8	40	44	102	0	194	
	Direct Labor	662.56	3,228.40	1,903.88	5,149.98	-		
	Overhead = 1.5909	1,028.89	5,013.38	2,956.54	7,997.40	-		
	Profit = 0.3000	306.61	1,493.99	881.05	2,383.23	-		
	Subtotal Labor Cost to Task 4	1,998.06	9,735.77	5,741.46	15,530.61	-		33,005.90
	Total Hours	28	94	118	232	6	478	
	Direct Labor	\$2,318.96	\$7,586.74	\$5,105.86	\$11,713.68	\$194.70		
	Overhead = 1.5909	\$3,689.23	\$12,069.74	\$8,122.91	\$18,635.29	\$309.75		
	Profit = 0.3000	\$695.69	\$2,276.02	\$1,531.76	\$3,514.10	\$58.41		
	Total Labor Cost	\$6,703.88	\$21,932.51	\$14,760.53	\$33,863.08	\$562.86		\$ 77,823

SCOPE OF WORK

Bravo Company Blvd **Domestic Water and Sanitary Sewer System Improvements** **7th/H Street to Fair Avenue Roundabout Extension**

HLA Project No. 11062E

The City of Yakima (CITY) desires to construct domestic water and sanitary sewer system improvements related to Bravo Company Boulevard as a standalone project. Approximately 5,300 linear feet of domestic water system improvements and 5,000 linear feet of sanitary sewer system improvements are anticipated. The new 4-lane roadway including sidewalks, street and pedestrian lights, storm drainage facilities, landscaping, and other underground utilities will be constructed under separate bid at a later date.

HLA design completion includes plans for demolition, City domestic water, City sanitary sewer, and temporary erosion and sediment control. Work also includes design and permitting for domestic water and sanitary sewer railroad crossings.

HLA Engineering and Land Surveying, Inc. (HLA), shall provide professional services to the CITY as a sub-consultant to H.W. Lochner, Inc. (Lochner) as outlined in the Work Task descriptions below. The following general provisions/assumptions have been made:

- A. Work conducted will meet CITY design standards.
- B. It is anticipated one (1) bid package will be prepared for all elements of the PROJECT, and the deliverable date is June 30, 2023.
- C. Plans, specifications, and contract documents, to the extent feasible, shall be developed in accordance with the latest edition and amendments of the following:
 - 1. Washington State Department of Transportation/American Public Works Associations, "Standard Specifications for road, Bridge, and Municipal Construction";
 - 2. Washington State Department of Transportation, "Standard Plans for Road and Bridge Construction";
 - 3. Washington State Department of Transportation, "Highway Design Manual"; and
 - 4. FHWA "Manual on Uniform Traffic control Devices for Streets and Highways."
- D. All calculations, analyses, design, plans, specifications, and other project work will be prepared in English units. The use of metric units for any aspect of the work will not be required.
- E. It is understood and agreed that tasks may be added or deleted from the scope of services by mutual agreement between Lochner and HLA.

HLA Engineering and Land Surveying, Inc. (HLA) agrees to perform the following services:

I. DESIGN ENGINEERING, PLANS, SPECIFICATIONS, ESTIMATE AND BIDDING SERVICES

A. PROJECT MANAGEMENT AND ADMINISTRATION

- 1. Provide complete PROJECT management to deliver the PROJECT within mutually determined expectations.
- 2. Provide monthly status reports and invoices for work performed.
- 3. Attend meetings with the CITY to address technical aspects of the work related to scope, design, and schedule of the PROJECT. Up to one(1) meeting is
- 4. anticipated.
- 5. Prepare and maintain PROJECT schedule, to be updated monthly or as otherwise requested by the CITY.

Deliverables:

Monthly project invoices and status reports and for work performed.
Monthly project schedule update.

B. FINAL ENGINEERING DESIGN, PLANS, AND SPECIFICATIONS (90% AND FINAL)

1. Notify utility companies of pending improvements and schedule.
2. Coordinate design plans with City Utility Divisions including Water and Irrigation and Wastewater Collections.
3. Coordinate final utility crossing permits with Railroad.
4. Prepare Project Survey Control Plan.
5. Coordinate Contract Documents with Lochner.
6. Incorporate City's Contract Requirements.
7. Prepare final plans and specifications for bid call on the proposed work, as authorized by the CITY including:
 - a. Demolition Plans
 - b. Domestic Water System Plans
 - c. Sanitary Sewer Plans
 - d. Temporary Erosion and Sediment Control Plans
8. Perform quality control and assurance review of all final documents.
9. Prepare the Engineer's Opinion of probable construction cost.
10. Provide final plans and specifications to the CITY in electronic format suitable for printing and CITY's use at time of bid advertisement.

Deliverables:

Plans, specifications, and cost estimate in electronic format.

C. BIDDING SERVICES

1. Following receipt of authorization from the CITY, prepare advertisement for bids and provide to CITY for use and implementation. CITY will transmit to selected newspaper(s) for publication and advertising fees to be paid by the CITY.
2. Upon authorization from the CITY, furnish electronic copies of the final documents suitable for bidding. It is anticipated that one (1) complete set of plans and specifications for one (1) bid call/solicitation will be prepared. Six (6) printed copies of the contract documents will be made for later distribution to the CITY and Contractor after contracts are awarded.
3. Post contract plans and specifications to the HLA website for bidding purposes.
4. Prepare and maintain plan holder list, including CITY staff, private utility companies, OMWBE, plan centers, contractors, and material suppliers.
5. Answer and supply information as requested by prospective bidders.
6. Prepare and issue addenda to contract documents, if necessary.
7. Attend bid opening and participate in the bid evaluation process.
8. Prepare tabulation of all bids received by the CITY and review bidder's qualifications.
9. Make recommendation of construction contract award to the lowest responsible bidder.
10. Prepare Notice of Award and transmit to Contractor.
11. Coordinate execution of the Contract with the CITY and Contractor, including review of bond and insurance requirements.

Deliverables:

Bid Advertisement
Final Documents in Electronic Format
Final Documents – six (6) printed copies
Bid Tabulation
Recommendation of Award

II. CONSTRUCTION OBSERVATION AND ADMINISTRATION

Construction observation and administration services are anticipated to be provided by HLA Engineering and Land Surveying, Inc. as an addendum to this agreement or by separate contract, once final plans are prepared, City establishes an Advertisement date, the length of construction is determined, and scope of work more clearly defined.

III. ADDITIONAL SERVICES

For services not included in the Scope of Work, the CITY may request the CONSULTANT complete additional services, as mutually agreed, at the rates in effect at the time of service.

TIME OF PERFORMANCE:

I. DESIGN ENGINEERING, PLANS, SPECIFICATIONS, ESTIMATE AND BIDDING SERVICES

All work described in Item A of the Scope of Services above shall begin upon authorization to proceed and extend throughout the duration of the Agreement.

All work described in Item B of the Scope of Services above shall begin upon authorization to proceed and be completed by June 30, 2023.

All work described in Item C of the Scope of Services above shall begin upon authorization to advertise for bids and be completed within eight (8) weeks.

FEE FOR SERVICES:

For the services furnished by HLA as described above, Lochner agrees to pay HLA the fees as set forth herein. The maximum amount listed below may be revised only by written agreement of both parties.

DESIGN ENGINEERING, PLANS, SPECIFICATIONS, AND ESTIMATE

All work described in the Scope of Services above shall be performed on an hourly basis for the maximum amount of \$45,700 (see attached fee summary).

SCOPE OF WORK

Bravo Company Blvd Phase 1 North Side of Railroad Tracks (Sta. 53+50) to Fair Avenue Roundabout Extension

HLA Project No. 11062E

The City of Yakima (CITY) desires to construct approximately 1,800 linear feet of Bravo Company Blvd. (Phase 1 – North Side of Railroad Tracks (Sta. 53+50) to Fair Avenue Roundabout Extension). The new roadway will be a 4-lane roadway including sidewalks on both sides, street and pedestrian lights, storm drainage facilities, landscaping, and underground utilities.

The CITY recently directed separation of the domestic water system and sanitary sewer system improvements into a separate bid package and requested fee updates for completion of Phase 1 improvements. HLA Phase 1 design completion includes plans for demolition, storm drainage design and report, City irrigation transmission main, Fruitvale Canal piping, temporary erosion and sediment control; and design and permitting for underground railroad crossings.

HLA Engineering and Land Surveying, Inc. (HLA), shall provide professional services to the CITY as a sub-consultant to H.W. Lochner, Inc. (Lochner) as outlined in the Work Task descriptions below. The following general provisions/assumptions have been made:

- A. Work conducted will meet CITY design standards.
- B. It is anticipated one (1) bid package will be prepared for all elements of the PROJECT, and the deliverable date is December 31, 2023.
- C. Plans, specifications, and contract documents, to the extent feasible, shall be developed in accordance with the latest edition and amendments of the following:
 - 1. Washington State Department of Transportation/American Public Works Associations, "Standard Specifications for road, Bridge, and Municipal Construction";
 - 2. Washington State Department of Transportation, "Standard Plans for Road and Bridge Construction";
 - 3. Washington State Department of Transportation, "Highway Design Manual"; and
 - 4. FHWA "Manual on Uniform Traffic control Devices for Streets and Highways."
- D. All calculations, analyses, design, plans, specifications, and other project work will be prepared in English units. The use of metric units for any aspect of the work will not be required.
- E. It is understood and agreed that tasks may be added or deleted from the scope of services by mutual agreement between Lochner and HLA.

HLA Engineering and Land Surveying, Inc. (HLA) agrees to perform the following services:

I. DESIGN ENGINEERING, PLANS, SPECIFICATIONS, AND ESTIMATE

A. PROJECT MANAGEMENT AND ADMINISTRATION

- 1. Provide complete PROJECT management to deliver the PROJECT within mutually determined expectations.
- 2. Provide monthly status reports and invoices for work performed.
- 3. Attend meetings with the CITY to address technical aspects of the work related to scope, design, and schedule of the PROJECT. Up to two (2) meetings are anticipated.
- 4. Prepare and maintain PROJECT schedule, to be updated monthly or as otherwise requested by the CITY.

Deliverables:

Monthly project invoices and status reports and for work performed.

Monthly project schedule update.

B. FINAL ENGINEERING DESIGN, PLANS, AND SPECIFICATIONS (90% AND FINAL)

- ~~1. Following construction of the domestic water and sanitary sewer improvements, provide as-built survey of newly installed utilities and incorporate into plan set.~~
2. Notify utility companies of pending improvements and schedule.
3. Coordinate design plans with City Stormwater Collections division.
4. Coordinate final utility crossing permits with Railroad.
5. Confirm Storm Drainage Report based on final road design.
6. Prepare Project Survey Control Plan.
7. Coordinate Contract Documents with Lochner.
8. Incorporate City's Contract Requirements.
9. Prepare final plans and specifications for bid call on the proposed work, as authorized by the CITY including:
 - a. Demolition Plans
 - b. Storm Drainage Plans
 - c. Irrigation Main Plans
 - d. Fruitvale Canal Piping Plans
 - e. Temporary Erosion and Sediment Control Plans
10. Perform quality control and assurance review of all final documents.
11. Prepare the Engineer's Opinion of probable construction cost.
12. Provide final plans and specifications to the CITY in electronic format suitable for printing and CITY's use at time of bid advertisement.

Deliverables:

Plans, specifications, and cost estimate in electronic format.

C. BIDDING SERVICES

1. Following receipt of authorization from the CITY, prepare advertisement for bids and provide to CITY for use and implementation. CITY will transmit to selected newspaper(s) for publication and advertising fees to be paid by the CITY.
2. Upon authorization from the CITY, furnish electronic copies of the final documents suitable for bidding. It is anticipated that one (1) complete set of plans and specifications for one (1) bid call/solicitation will be prepared. Six (6) printed copies of the contract documents will be made for later distribution to the CITY and Contractor after contracts are awarded.
3. Post contract plans and specifications to the HLA website for bidding purposes.
4. Prepare and maintain plan holder list, including CITY staff, private utility companies, OMWBE, plan centers, contractors, and material suppliers.
5. Answer and supply information as requested by prospective bidders.
6. Prepare and issue addenda to contract documents, if necessary.
7. Attend bid opening and participate in the bid evaluation process.
8. Prepare tabulation of all bids received by the CITY and review bidder's qualifications.
9. Make recommendation of construction contract award to the lowest responsible bidder.
10. Prepare Notice of Award and transmit to Contractor.
11. Coordinate execution of the Contract with the CITY and Contractor, including review of bond and insurance requirements.

Deliverables:

Bid Advertisement

Final Documents in Electronic Format

Final Documents – six (6) printed copies

Bid Tabulation

Recommendation of Award

II. CONSTRUCTION OBSERVATION AND ADMINISTRATION

Construction observation and administration services are anticipated to be provided by HLA Engineering and Land Surveying, Inc. as an addendum to this agreement or by separate contract, once final plans are prepared, City establishes an Advertisement date, the length of construction is determined, and scope of work more clearly defined.

III. ADDITIONAL SERVICES

For services not included in the Scope of Work, the CITY may request the CONSULTANT complete additional services, as mutually agreed, at the rates in effect at the time of service.

TIME OF PERFORMANCE:

DESIGN ENGINEERING, PLANS, SPECIFICATIONS, AND ESTIMATE

All work described in Item A of the Scope of Services above shall begin upon authorization to proceed and extend throughout the duration of the Agreement.

All work described in Item B of the Scope of Services above shall begin upon authorization to proceed and be completed by December 31, 2023.

All work described in Item C of the Scope of Services above shall begin upon authorization to advertise for bids and be completed within eight (8) weeks.

FEE FOR SERVICES:

For the services furnished by HLA as described above, Lochner agrees to pay HLA the fees as set forth herein. The maximum amount listed below may be revised only by written agreement of both parties.

DESIGN ENGINEERING, PLANS, SPECIFICATIONS, AND ESTIMATE

All work described in Items A, B & C of the Scope of Services above shall be performed on an hourly basis for the maximum amount of \$50,300 (see attached fee summary).

SCOPE OF WORK

Bravo Company Blvd Phase 2 **7th/H Street to North Side of Railroad Tracks (Sta. 53+50)**

HLA Project No. 11062E

The City of Yakima (CITY) desires to construct approximately 1,600 linear feet of Bravo Company Blvd. (Phase 2 – 7th/H Street to North Side of Railroad Tracks (Sta. 53+50)). The new roadway will be a 4-lane roadway including sidewalks on both sides, street and pedestrian lights, storm drainage facilities, landscaping, and underground utilities.

The CITY recently directed separation of the domestic water system and sanitary sewer system improvements into a separate bid package and requested fee updates for completion of Phase 2 improvements. HLA Phase 2 design completion includes plans for demolition, storm drainage design and report, City irrigation transmission main, Fruitvale Canal piping, and temporary erosion and sediment control.

HLA Engineering and Land Surveying, Inc. (HLA), shall provide professional services to the CITY as a sub-consultant to H.W. Lochner, Inc. (Lochner) as outlined in the Work Task descriptions below. The following general provisions/assumptions have been made:

- A. Work conducted will meet CITY design standards.
- B. It is anticipated one (1) bid package will be prepared for all elements of the PROJECT, and the deliverable date is June 30, 2024.
- C. Plans, specifications, and contract documents, to the extent feasible, shall be developed in accordance with the latest edition and amendments of the following:
 - 1. Washington State Department of Transportation/American Public Works Associations, "Standard Specifications for road, Bridge, and Municipal Construction";
 - 2. Washington State Department of Transportation, "Standard Plans for Road and Bridge Construction";
 - 3. Washington State Department of Transportation, "Highway Design Manual"; and
 - 4. FHWA "Manual on Uniform Traffic control Devices for Streets and Highways."
- D. All calculations, analyses, design, plans, specifications, and other project work will be prepared in English units. The use of metric units for any aspect of the work will not be required.
- E. It is understood and agreed that tasks may be added or deleted from the scope of services by mutual agreement between Lochner and HLA.

HLA Engineering and Land Surveying, Inc. (HLA) agrees to perform the following services:

I. DESIGN ENGINEERING, PLANS, SPECIFICATIONS, ESTIMATE

A. PROJECT MANAGEMENT AND ADMINISTRATION

- 1. Provide complete PROJECT management to deliver the PROJECT within mutually determined expectations.
- 2. Provide monthly status reports and invoices for work performed.
- 3. Attend meetings with the CITY to address technical aspects of the work related to scope, design, and schedule of the PROJECT. Up to two (2) meetings are anticipated.
- 4. Prepare and maintain PROJECT schedule, to be updated monthly or as otherwise requested by the CITY.

Deliverables:

Monthly project invoices and status reports and for work performed.
Monthly project schedule update.

B. FINAL ENGINEERING DESIGN, PLANS, AND SPECIFICATIONS (90% AND FINAL)

- ~~1. Following construction of the domestic water and sanitary sewer improvements, provide as-built survey of newly installed utilities and incorporate into plan set.~~
2. Notify utility companies of pending improvements and schedule.
3. Coordinate design plans with City Stormwater Collections division.
4. Confirm Storm Drainage Report based on final road design.
5. Prepare Project Survey Control Plan.
6. Coordinate Contract Documents with Lochner.
7. Incorporate City's Contract Requirements.
8. Prepare final plans and specifications for bid call on the proposed work, as authorized by the CITY including:
 - a. Demolition Plans
 - b. Storm Drainage Plans
 - c. Irrigation Main Plans
 - d. Fruitvale Canal Piping Plans
 - e. Temporary Erosion and Sediment Control Plans
9. Perform quality control and assurance review of all final documents.
10. Prepare the Engineer's Opinion of probable construction cost.
11. Provide final plans and specifications to the CITY in electronic format suitable for printing and CITY's use at time of bid advertisement.

Deliverables:

Plans, specifications, and cost estimate in electronic format.

II. BIDDING, CONSTRUCTION OBSERVATION AND ADMINISTRATION

Bidding, and construction observation and administration services are anticipated to be provided by HLA Engineering and Land Surveying, Inc. as an addendum to this agreement or by separate contract, once final plans are prepared, City establishes an Advertisement date, the length of construction is determined, and scope of work more clearly defined.

III. ADDITIONAL SERVICES

For services not included in the Scope of Work, the CITY may request the CONSULTANT complete additional services, as mutually agreed, at the rates in effect at the time of service.

TIME OF PERFORMANCE:

DESIGN ENGINEERING, PLANS, SPECIFICATIONS, ESTIMATE

All work described in Item A of the Scope of Services above shall begin upon authorization to proceed and extend throughout the duration of the Agreement.

All work described in Item B of the Scope of Services above shall begin upon authorization to proceed and be completed by June 30, 2024.

FEE FOR SERVICES:

For the services furnished by HLA as described above, Lochner agrees to pay HLA the fees as set forth herein. The maximum amount listed below may be revised only by written agreement of both parties.

DESIGN ENGINEERING, PLANS, SPECIFICATIONS, ESTIMATE, AND BIDDING

All work described in Items A & B of the Scope of Services above shall be performed on an hourly basis for the maximum amount of \$39,800 (see attached fee summary).

City of Yakima

3/13/2023

Bravo Co. Blvd. - Domestic Water and Sanitary Sewer Systems Only

7th/H Street to Fair Avenue Roundabout Extension

HLA Engineering and Surveying, Inc.

HLA Project No. 11062E

Work Element Number		Work Element	Labor Classification														
			Senior Principal \$250.00	Principal Engineer \$223.00	Principal Engineer \$223.00	Licensed Engineer \$201.00	Project Engineer \$165.00	Contract Admin. \$151.00	Word Process. \$97.00	CAD Tech \$145.00	Principal Surveyor \$223.00	Licensed Surveyor \$181.00	Surveyor \$134.00	Surveyor \$134.00	Surveyor \$134.00		
I.A Project Management and Administration																	
A.1 Project Management and Coordination			4	3					3						\$1,960.00		
A.2 Monthly Status Reports and Invoices				3					3						\$960.00		
A.3 Meetings (est. 1 ea)			2	2			2			2					\$1,566.00		
A.4 Project Schedule Updates			2	2					2						\$1,140.00		
															\$5,626.00		
Labor Subtotal			8	10			2		8	2							
I.B Design Engineering, Plans, Specifications, and Estimate (90% and Final)																	
B.1 Notify Utilities of Pending Improvements and Schedule				2			2								\$776.00		
B.2 Coordinate Plans with City Utilities (W&I, WW)				4			4			2					\$1,842.00		
B.3 Coordination w/ Railroad for Final permits				4			4			2					\$1,842.00		
B.4 Survey Control Plan										4	2	6			\$2,112.00		
B.5 Coordinate Contract Documents with Prime			2	4			4		2	4					\$2,826.00		
B.6 Incorporate City's Contract Requirements				4			2		2						\$1,416.00		
B.7 Prepare Final Plans and Specifications																	
a. Demolition Plans				4			8			2					\$2,502.00		
b. Domestic Water System Plans			1	4			8			4					\$3,042.00		
c. Sanitary Sewer Plans			1	4			8			4					\$3,042.00		
d. Temporary Erosion and Sediment Control Plans				2			6			2					\$1,726.00		
B.8 Quality Control and Document Coordination			2		8		4	4	2	2					\$4,032.00		
B.9 Prepare Final Estimate of Probable Cost			2	8			6			2					\$3,564.00		
B.10 Prepare Reproducible Copy of Contract Documents									2	4					\$774.00		
Labor Subtotal			8	40	8	0	56	4	8	32	2	6	0	0	0	\$29,496.00	
I.C Bidding Services																	
C.1 Prepare Advertisement for Bids				1					1						\$320.00		
C.2 Furnish Electronic Copies of Final Bid Documents							2		2	4					\$1,104.00		
C.3 Post Contract Documents to HLA Website for Bidding									1	1					\$242.00		
C.4 Maintain Planholder List									2						\$194.00		
C.5 Answer and Supply Information to Bidders				4			2		1						\$1,319.00		
C.6 Prepare and Issue Addenda			1	6			6		3	3					\$3,304.00		
C.7 Attend Bid Opening and Evaluate Bids			1	2			2	2							\$1,328.00		
C.8 Prepare Tabulation of Bids							2	4							\$934.00		
C.9 Make Recommendation of Award				1				1							\$374.00		
C.10 Prepare Notice of Award				1				1							\$374.00		
C.11 Coordinate Contract Execution between CITY/Contractor			1	1				4							\$1,077.00		
															\$10,570.00		
Labor Subtotal			3	16	0	0	14	12	10	8	0	0	0	0	0		
I.D Expenses																	
Expenses:			Cost/Unit	Miles													
Mileage			\$0.63	0													
															\$0.00		
															Sub-Total	\$45,692.00	
															0.00%	Escalation/Assumes all work in 2023	\$0.00
															Water & Sewer Only Total	\$45,700.00	

City of Yakima

3/23/2023

Bravo Co. Blvd. - Phase 1 Design Completion

North Side of RR Tracks (Sta. 53+50) to Fair Avenue Roundabout Extension

HLA Engineering and Surveying, Inc.

HLA Project No. 11062E

Work Element Number		Labor Classification													
		Senior Principal \$250.00	Principal Engineer \$223.00	Principal Engineer \$223.00	Licensed Engineer \$201.00	Project Engineer \$165.00	Contract Admin. \$151.00	Word Process. \$97.00	CAD Tech \$145.00	Principal Surveyor \$223.00	Licensed Surveyor \$181.00	Surveyor \$134.00	Surveyor \$134.00	Surveyor \$134.00	
I.A Project Management and Administration															
A.1 Project Management and Coordination		4	4					4						\$2,280.00	
A.2 Monthly Status Reports and Invoices			4					4						\$1,280.00	
A.3 Meetings (est. 2 ea)		4	4			4			4					\$3,132.00	
A.4 Project Schedule Updates		2	4					2						\$1,586.00	
														\$8,278.00	
Labor Subtotal		10	16	0	0	4	0	10	4	0	0	0	0	0	
I.B Design Engineering, Plans, Specifications, and Estimate (Stormwater and Irrigation)															
B.1 Topographic As-Built Survey of Water/Sewer Utilities														\$11,253.00	
B.2 Notify Utilities of Pending Improvements and Schedule			2			2			2					\$1,066.00	
B.3 Coordinate Plans with City Utilities (Storm and Irrigation)			4			4			2					\$1,842.00	
B.4 Coordination w/ Railroad for Final permits			2			4			2					\$1,396.00	
B.5 Confirm Storm Drainage Report Based on Final Road Design			2			4		2						\$1,300.00	
B.6 Survey Control Plan						1			4		4			\$1,469.00	
B.7 Coordinate Contract Documents with Prime		4	6			4		2	6					\$4,062.00	
B.8 Incorporate City's Contract Requirements			2				2	2						\$942.00	
B.9 Prepare Final Plans and Specifications															
a. Demolition Plans			2			4			4					\$1,686.00	
b. Storm Drainage Plans		1	4			8			4					\$3,042.00	
c. Irrigation Main Plans			4			6			4					\$2,462.00	
d. Fruitvale Canal Piping Plans		1	4			8			4					\$3,042.00	
e. Temporary Erosion and Sediment Control Plans			2			2			4					\$1,356.00	
B.10 Quality Control and Document Coordination		2		8		4	4	2	2		2			\$4,394.00	
B.11 Prepare Final Estimate of Probable Cost		2	8			8			4					\$4,184.00	
B.12 Prepare Reproducible Copy of Contract Documents								2	4					\$774.00	
														\$33,017.00	
Labor Subtotal		10	42	8	0	59	6	10	46	0	6	0	0	0	
I.C Bidding Services															
C.1 Prepare Advertisement for Bids (Lochner)			1											\$223.00	
C.2 Furnish Electronic Copies of Final Bid Documents (Lochner)						2		2	4					\$1,104.00	
C.3 Post Contract Documents to HLA Website for Bidding								1	1					\$242.00	
C.4 Maintain Planholder List								2						\$194.00	
C.5 Answer and Supply Information to Bidders			3			2		1						\$1,096.00	
C.6 Prepare and Issue Addenda (Utilities Only)		1	4			4		2	3					\$2,431.00	
C.7 Attend Bid Opening and Evaluate Bids		1	2			2	2							\$1,328.00	
C.8 Prepare Tabulation of Bids						2	4							\$934.00	
C.9 Make Recommendation of Award (by Lochner)														\$0.00	
C.10 Prepare Notice of Award			1				1							\$374.00	
C.11 Coordinate Contract Execution between CITY/Contractor		1	1				4							\$1,077.00	
														\$9,003.00	
Labor Subtotal		3	12	0	0	12	11	8	8	0	0	0	0	0	
I.D Expenses															
Expenses:		Cost/Unit	Miles												
Mileage		\$0.63	0												
														Sub-Total	\$50,298.00
														Escalation/Assumes all work in 2023	\$0.00
														Phase 1 Total	\$50,300.00

City of Yakima

3/23/2023

Bravo Co. Blvd. - Phase 2 Design Completion

Approx. 7th/H Street to North Side of RR Tracks (Sta. 53+50)

HLA Engineering and Surveying, Inc.

HLA Project No. 11062E

Work Element Number	Work Element	Labor Classification													
		Principal Engineer \$250.00	Principal Engineer \$223.00	Licensed Engineer \$201.00	Licensed Engineer \$201.00	Project Engineer \$165.00	Contract Admin. \$151.00	Word Process. \$97.00	CAD Tech \$145.00	Principal Surveyor \$223.00	Licensed Surveyor \$181.00	Surveyor \$134.00	Surveyor \$134.00	Surveyor \$134.00	
I.A Project Management and Administration															
A.1	Project Management and Coordination	6	6					4							\$3,226.00
A.2	Monthly Status Reports and Invoices		6					6							\$1,920.00
A.3	Meetings (est. 2 ea)	4	4			4			4						\$3,132.00
A.4	Project Schedule Updates	4	6					4							\$2,726.00
															\$11,004.00
Labor Subtotal		14	22	0	0	4	0	14	4	0	0	0	0	0	
I.B Design Engineering, Plans, Specifications, and Estimate (Stormwater and Irrigation)															
B.1	Topographic As-Built Survey of Water/Sewer Utilities														\$11,253.00
B.2	Notify Utilities of Pending Improvements and Schedule		2			2									\$776.00
B.3	Coordinate Plans with City Utilities (Storm and Irrigation)		2			4			2						\$1,396.00
B.4	Confirm Storm Drainage Report Based on Final Road Design		2			4		2							\$1,300.00
B.5	Survey Control Plan					1			4		4				\$1,469.00
B.6	Coordinate Contract Documents with Prime	2	4			4		2	6						\$3,116.00
B.7	Incorporate City's Contract Requirements		2				2	2							\$942.00
B.8	Prepare Final Plans and Specifications														
a.	Demolition Plans		2			2			2						\$1,066.00
b.	Storm Drainage Plans	1	4			6			4						\$2,712.00
c.	Irrigation Main Plans		4			6			4						\$2,462.00
d.	Fruitvale Canal Piping Plans	1	4			6			4						\$2,712.00
e.	Temporary Erosion and Sediment Control Plans		2			2			2						\$1,066.00
B.9	Quality Control and Document Coordination	2		8		4	4	2	2		2				\$4,218.00
B.10	Prepare Final Estimate of Probable Cost	2	6			6			4						\$3,408.00
B.11	Prepare Reproducible Copy of Contract Documents							2	4						\$774.00
Labor Subtotal		8	34	8	0	47	6	10	38	0	6	0	0	0	\$27,417.00
I.C Bidding Services (To be added at a later date)															
C.1	Prepare Advertisement for Bids (Lochner)														\$0.00
C.2	Furnish Electronic Copies of Final Bid Documents (Lochner)														\$0.00
C.3	Post Contract Documents to HLA Website for Bidding														\$0.00
C.4	Maintain Planholder List														\$0.00
C.5	Answer and Supply Information to Bidders														\$0.00
C.6	Prepare and Issue Addenda (Utilities Only)														\$0.00
C.7	Attend Bid Opening and Evaluate Bids														\$0.00
C.8	Prepare Tabulation of Bids														\$0.00
C.9	Make Recommendation of Award (by Lochner)														\$0.00
C.10	Prepare Notice of Award														\$0.00
C.11	Coordinate Contract Execution between CITY/Contractor														\$0.00
															\$0.00
Labor Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	
I.D Expenses															
Expenses:		Cost/Unit	Miles												
Mileage		\$0.63	0												
														Sub-Total	\$38,421.00
														Escalation-Assumes 50% work in 2024	\$1,345.00
														Phase 2 Total	\$39,800.00