



City Council Agenda

City of Idaho Falls
Regular Council Meeting
680 Park Avenue

Thursday
December 7, 2023
7:30 P.M.

Mayor

Rebecca Casper

City Council

Michelle Ziel-Dingman
Council President

John Radford
Council Seat 5

Jim Freeman
Council Seat 6

Tom Hally
Council Seat 3

Jim Francis
Council Seat 4

Lisa Burtenshaw
Council Seat 2



Livestream at www.idahofallsidaho.gov/429/Live-Stream

PUBLIC PARTICIPATION

Welcome to the Idaho Falls City Council Meeting.

Regularly scheduled City Council meetings are open to the general public. City Council meetings are also live-streamed and archived on [the City website](#). Please be aware that the meeting agenda will differ from the published version if amendments to the agenda are made by the Council during the meeting.

The Council encourages public input. While a general public comment option is not required by Idaho law, the Idaho Falls City Council welcomes general public input as part of regular City Council meetings. General public comment will be allowed for up to 20 minutes. However, citizens are always welcome to contact their Council representatives via e-mail or telephone, as listed on [the City website](#). The Council is committed to an atmosphere that promotes equal opportunity, civility, mutual respect, proper decorum and freedom from discrimination or harassment.

Those who wish to address City Council during the council meetings are encouraged to adhere to the guidelines below.

Public Comment Guidelines

Speakers are encouraged to:

- State their name and city of residence.
- Focus comments on matters within the purview of the City Council.
- Limit comments to three (3) minutes or less.
- Refrain from repeating information already presented to preserve time for others to speak. Large groups are encouraged to select one or two speakers to represent the voice of the entire group.
- Practice civility and courtesy. City leaders have the right and the responsibility to maintain order and decorum during the meeting. Time may be curtailed for those speakers whose comments are profane or disruptive in nature.
- Refrain from comments on issues involving matters currently pending before the City's Planning and Zoning Commission or other matters that require legal due process, including public hearings, City enforcement actions, and pending City personnel disciplinary matters.
- Comments that pertain to activities or performance of individual City employees should be shared directly with the City's Human Resources Director (208-612-8248), the City's Legal Department (208-612-8178) or with the Office of the Mayor (208-612-8235).

Public Hearing Guidelines

- In-person Comment. Because public hearings must follow various procedures required by law, please wait to offer your comments until comment is invited/indicated. Please address comments directly to the Council and try to limit them to three (3) minutes.
- Written Comment. The public may provide written comments via postal mail sent to City Hall or via email sent to the City Clerk at IFClerk@idahofalls.gov. Comments will be distributed to the members of the Council and become a part of the official public hearing record. Written testimony must be received no later than forty-eight (48) hours prior to the date of the hearing to ensure inclusion in the permanent City record.
- Remote Comment. When available, the public may provide live testimony remotely via the WebEx meeting platform using a phone or a computer. Those desiring public hearing access should send a valid and accurate email address to virtualattend@idahofalls.gov no later than twenty-four (24) hours prior to the date of the hearing so log-in information can be sent prior to the meeting. Please indicate which public hearing the testimony is intended for on the agenda. Please note that this remote option will not be available for all meetings.

If communication aids, services, or other physical accommodations are needed to facilitate participation or access for this meeting, please contact the City Clerk at (208) 612-8414 or the ADA Coordinator at (208) 612-8323 not less than 48 hours prior to the meeting. They will help accommodate special needs wherever possible.



City Council Meeting

Agenda

680 Park Avenue
Idaho Falls, ID 83402

Thursday, December 7, 2023

7:30 PM

City Council Chambers

City Council Agenda:

1. Call to Order.
2. Pledge of Allegiance.
3. Public Comment.

Please see guidelines above.

4. Consent Agenda.

Any Consent Agenda item may be moved to the Regular Agenda for separate consideration if requested by a Council member. Other changes to this agenda may require the approval of a majority of Council.

A. Airport

- 1) Approval of Airport Emergency Alert Notification System Agreement **23-348**

Attachments: Contract of Sale for Automated Alert Notification System
ID#23-0928B .docx

B. Municipal Services

- 1) Purchase Replacement Rear Loader for Public Works **23-342**

Attachments: Updated Leach 2RIII Sourcewell Quote 11-20-23.pdf

- 2) Purchase Mowers for Parks and Recreation Department **23-343**

Attachments: Turf Equipment & Irrigation, Inc Quote.pdf

- 3) Upgrade and Refurbish Sewer Crawler Systems for Public Works **23-344**

Attachments: City of Idaho Falls RX400 and Spare RX130 Sourcewell - MetroQuip -
11-14-23[2][1].pdf

C. Office of the City Clerk

- 1) License Applications, all carrying the required approvals

Action Item:

Approve, accept, or receive all items on the Consent Agenda according to the recommendations presented (or take other action deemed appropriate).

5. Regular Agenda.

A. Municipal Services

- 1) Northgate Mile Railroad Property Clean Up 23-345

Rhodehouse Construction was the lowest of three attempted quotes to provide demolition, hauling and removal of property debris located on the Northgate Mile Railroad property (behind the Law Enforcement Complex fence line). The quote includes one-time mobilization of heavy equipment, abatement and demolition of abandon trailers and remaining corrals, hauling and proper disposal of debris.

Action Item:

Accept and approve the lowest quote received from Rhodehouse Construction, Inc. for a total of \$78,922.00 (or take other action deemed appropriate).

Attachments: Northgate Mile Railroad Property Clean up Quote

B. Public Works

- 1) Local Professional Services Agreement with Horrocks Engineers in support of the Science Center Drive, North Boulevard to Holmes Avenue Improvement Project 23-340

The purpose of the agreement is to establish a contract to provide design engineering, planning, materials reports and surveying for the Science Center Drive, North Boulevard to Holmes Avenue Improvement Project.

Action Item:

Approve the Professional Services Agreement with Horrocks Engineers, Inc., and authorize the Mayor to execute the document (or take other action deemed appropriate).

Attachments: 22008 - Local Professional Services signed

- 2) Change Order 1 for the Raised Median Safety Improvement Project 23-341

Attached for consideration is a change order with DL Beck, Inc., regarding the Raised Curb Median Safety Improvement Project. The change order provides for a revised start date and accommodates additional work to construct median U-turns and roadway bulb-outs as part of this project.

Action Item:

Ratification of the change order and authorization for the Mayor to sign the necessary documents (or take other action deemed appropriate).

Attachments: Median Safety Improvement CO 1

- 3) State Local Agreement Addendum and Resolution with the Idaho Transportation Department (ITD) for the Meppen Canal Trail Project 23-347

Attached for consideration is a state local agreement addendum and resolution with ITD allowing for advanced construction of pathway improvements along the Meppen Canal from the Idaho Canal to 25th East (Hitt Road). Proposed improvements include the construction of two pedestrian bridges and nearly 2.2 miles of pathway.

Action Item:

Approve the State Local Agreement Addendum and Resolution with ITD for the Meppen Canal Trail project and authorize the Mayor and City Clerk to sign the documents (or take other action deemed appropriate).

Attachments: 23696 TAP SLA_Addendum

- 6. **Announcements.**
- 7. **Adjournment.**

Memorandum

File #: 23-348

City Council Meeting

FROM: Ronald K. Elliott, AAE - Airport Director
DATE: Thursday, December 7, 2023
DEPARTMENT: Airport

Subject

Approval of Airport Emergency Alert Notification System Agreement

Council Action Desired

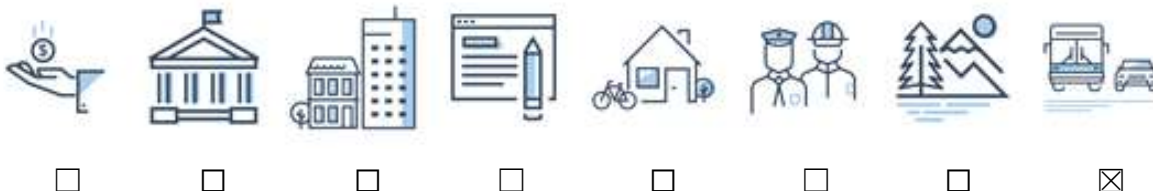
- ☐ Ordinance ☐ Resolution ☐ Public Hearing
☒ Other Action (Approval, Authorization, Ratification, etc.)

Approve the contract with KOVA, Corp. for the acquisition of a new emergency alert notification system and authorization for the Mayor to execute the agreement (or take other action as deemed appropriate).

Description, Background Information & Purpose

The existing Airport emergency alert system, sometimes referred to as a “Crash Phone,” has reached the end of its useful life. Infrastructure supporting the system between the Air Traffic Control Tower (ATCT) and the Airport fire station has degraded and does not provide reliable alert notification in the event of an airport emergency. The new system will ensure timely notification and which will improve response time for airport emergencies. In addition, the system improvements will ensure compliance with federal regulatory requirements, specifically 14 CFR Part 139. Part 139 specifies an airport’s obligations to the Federal Aviation Administration (FAA) to be eligible for an operating certificate. Total cost of the contract is \$87,575.00.

Alignment with City & Department Planning Objectives



The purchase of this system supports reliable public infrastructure and the safe and efficient operation of the Airport to the benefit of its users and the traveling public.

Interdepartmental Coordination

The Airport has coordinated with Municipal Services (IT division) on this project.

Fiscal Impact

This cost of the system, \$87,575.00, is programmed in the Airport’s FY23-24 budget.

Legal Review

The City Attorney has reviewed the agreement and concurs.



102 East Bay Avenue, Suite J
Manahawkin, NJ 08050
609-597-1498 Main
800-204-5200 Toll Free
800-879-0720 Fax

CONTRACT OF SALE ID#23-0928B

Idaho Falls Regional Airport, 2125 Federal Way, Idaho Falls, ID 83402, hereinafter referred to as the CUSTOMER, and Kova, Corp., hereinafter referred to as the SELLER, agree:

1) The CUSTOMER shall buy the following goods from the SELLER,

Locations	Qty	Item Code	Description
ATCT (1)	1	KOVA-EANS-IP-PHONE-EXEC	KOVA IP Based Executive Phone
ARFF (1)	1	KOVA-EANS-PRINTER-ALERTS	KOVA IP Based Printing Station for Alert Notifications
ARFF (2) -Bay Doors -Interior Overhead Lights	2	CONTACT-CLOSURE	KOVA Provided Contact Closure Signal to trigger activation of doors and interior overhead lights
ARFF (2) -Dayroom -Gym	2	KOVA-EANS-SPKR-STROBE	KOVA Provided IP Based Speaker & Strobe Combo Unit
ARFF (2) -Men's Locker -Women's Locker	2	KOVA-EANS-WALL-SPKR	KOVA Provided IP Based Wall mount Indoor/Outdoor Speaker
ARFF (2) -Dorm Area above bunk on both sides of room	2	KOVA-EANS-CEILING-SPEAKER	KOVA IP Based Indoor Ceiling Speakers (2x2 Lay-in Ceiling Tile)
ARFF (1) -Between Bunks Apparatus Bay (1) -Top wall above workbench	2	KOVA-EANS-STROBE-MULTI	KOVA Provided IP Based Indoor/Outdoor Multi-Color Strobe
Apparatus Bay (1) -Top wall above workbench	1	KOVA-EANS-HORN-SPEAKER	KOVA IP Based Horn Speaker (Heavy Duty)
Server Room	1	PHYSICAL-SERVER-PRI	KOVA Provided Primary Server
Server Room	1	PHYSICAL-SERVER-BCK	KOVA Provided Backup Server
Site-wide	1	DINSTALL	Project Management Fees for 1st Year: Includes Delivery, Installation, Training, and 1st Year Warranty with remote based support.
TOTAL INVESTMENT:			\$87,575.00

2) The CUSTOMER has provided the following information to facilitate this contract:

Ship To:

Christopher Gale, Fire Chief
Idaho Falls Regional Airport
2125 Federal Way
Idaho Falls, ID 83402
cgale@protecfire.com

Invoice To:

Sean Edwards, CFO Fire Chief
Idaho Falls Regional Airport
2125 Federal Way
Idaho Falls, ID 83402
sedwards@protecfire.com

- 3) The SELLER shall install the equipment listed herein. The SELLER shall connect to existing network connections provided by the CUSTOMER unless specifically provided herein. The SELLER shall train a system administrator and end users as agreed upon separately.
- 4) In addition to the Customer Responsibilities listed in KOVA's GSA Proposal dated 9/28/2023, the customer shall ensure all Customer Responsibilities as dictated in the Project Plan, to be provided to the Customer after the initial project Kick-Off meeting is conducted, are satisfied at least two weeks prior to an agreed-upon installation date. A copy of KOVA Corp's GSA Proposal Dated 9/28/2023 has been included as Addendum 1 to this agreement. Any additional equipment or configuration requested or required as per the project kick-off meeting but outside of what is stated in the Proposal may be billable.

- 5) The SELLER shall warranty the goods listed herein for a period of one year from the date of installation. The warranty shall cover all parts and labor as detailed in the Terms and Conditions of this contract. Subsequent years of support may be purchased by the CUSTOMER at its discretion using the Optional Extended Warranty fee schedule outlined in section 4 of Addendum 1.
- 6) The customer agrees to purchase the stated equipment for a sum of \$87,575.00 (Eighty-Seven Thousand Five Hundred Seventy-Five Dollars and Zero Cents) plus any applicable sale tax, FOB Manahawkin, NJ. Fifty Percent (50%) is due with a signed contract, Twenty-Five Percent (25%) is due upon delivery, and the remaining Twenty-Five Percent (25%) is due upon system sign-off by the Customer.
- 7) The Seller anticipates a lead-time of 45 days for the delivery of the order, once this contract has been fully executed and returned by the Customer to the SELLER.

ACCEPTANCE, the undersigned assert they are authorized and empowered by their respective company/organization/agency, to enter into binding agreements on that company's/organization's/agency's behalf and that they have read and agree to the terms and conditions contained herein (on this and the reverse side of this sheet).

For KOVA, CORP.

For CUSTOMER:

Signature/Date Signed

Signature/Date Signed

Printed Name and Official Company Title

Printed Name and Official Company Title

CONTRACT TERMS AND CONDITIONS:

- 1. TERM:** The initial term of this Agreement shall be for a one-year period, starting on the date of equipment delivery. Service and Maintenance Agreements are available for subsequent years.
- 2. FACILITY LOCATION:** The services provided hereunder shall be provided exclusively through the customer's location specified elsewhere as the "ship to address".
- 3. SERVICES INCLUDED:** The following services are included for items listed elsewhere in this agreement: a) System and User Documentation update service for the original set of manuals; and b) Use of the KOVA Support/Help Facility for technical and operational assistance during the hours of service as defined elsewhere in this agreement.
- 4. INSTALLATION:** The customer shall complete the customer pre-installation requirements detailed in the project plan and return it to KOVA at least one week prior to the scheduled installation date. KOVA shall notify the customer of the availability of dates for installation. If the customer delays the installation more than two weeks (14 days) from the dates selected by KOVA, or does not provide required information or connections, then all balances and payments are due immediately.
- 5. PREVENTATIVE MAINTENANCE:** KOVA will inspect the customer's equipment (as listed elsewhere in this agreement) and make such repairs, adjustments, and replacements of components as may be necessary to maintain the equipment in good working order in accordance with the manufacturer's specifications. All work performed by KOVA will be performed in accordance with KOVA'S standard practice in effect at such time and will be rendered when repairs are necessary.
- 6. STANDARD REPAIR SERVICE:** Kova will respond to requests for service twenty-four hours a day, through calls placed to (866) KEANS-11. KOVA will respond to a request for service within four hours. The response for a service request may be done electronically or via physical visit to the customer's site. KOVA shall provide following response times based upon the severity level reported by the Customer as follows:

Severity level 1 –Response time next business day

Severity level 2 – Response time within 24 hours

Severity level 3 – Response time within 8 hours

Severity level 4 – Response time within 4 hours

Severity level 1: An equipment condition or malfunction not critical to the using agency and services can effectively continue until repairs are completed.

Severity level 2: An equipment failure or malfunction that is not currently impairing the using agency's ability to provide service. However, if additional failures or malfunctions occur, prior to repair, the County will be operating at a reduced capacity.

Severity level 3: An equipment failure or malfunction that prohibits the Customer's ability to provide acceptable service with the Customer's Primary System, or the Customer's service is limited to a reduced capacity. Reduced capacity exists when twenty-five percent (25%) or more of the Primary system is out of service.

Severity level 4: An equipment failure or malfunction that significantly impairs the Customer's ability to properly process calls. This severity level exists when a using agency's facility is impaired to the extent that it cannot do business.

- 7. REPAIR SERVICE OUTSIDE THE SCOPE OF AGREEMENT:** Upon the request of the customer, KOVA will perform additional services such as relocating the equipment. The customer agrees not to move any installed hardware without KOVA's assistance. The customer will be billed for such services, any service performed outside of this service agreement, or otherwise for services not covered by the agreement, at KOVA's then prevailing rates. Work required after hours (9 am to 5 pm) or on weekends will have an additional premium of 50%, holidays will have a 100% additional premium.

- 8. PAYMENTS:** The Payment amount for the purchase is listed elsewhere in this agreement. The customer shall pay all invoices under this Agreement within thirty (30) days of receipt of the invoice unless otherwise specified. All amounts mentioned in this Agreement are in U.S. Dollars. Any amount payable pursuant to this Agreement and not paid when due shall thereafter be delinquent and shall bear a late payment charge at the rate of one and one-half percent (1-1/2 %), or the maximum legal rate if less, for each month or portion thereof until paid. If any amount is not paid when due, the customer is responsible for all collection costs, including reasonable attorney's fees. If the customer disputes, in good faith, any items on an invoice, the customer shall promptly notify KOVA of the dispute with specific information regarding the reason for the dispute and the customer shall timely pay all undisputed items on such invoice. The customer shall promptly attempt to resolve any such dispute and no late payment charge shall apply to the disputed amount pending resolution of the dispute by KOVA. Any modification to the goods and services listed in this contract, after acceptance by both parties, shall not be cause to delay the required payments.

9. SERVICES NOT INCLUDED: This Agreement provides for enhancements and support to the then-current Licensed Products base system made pursuant to KOVA's Warranty. Not included under this Agreement is any support for or caused by changes in the Licensed Products base system which have been made outside KOVA's Warranty, whether these changes were made by THE CUSTOMER or KOVA. Therefore, should THE CUSTOMER request KOVA to investigate and/or correct any system error and said error is determined by KOVA to not be caused by the software comprising the Licensed Product base system, KOVA will bill and THE CUSTOMER will pay for such services to KOVA, at KOVA's then prevailing rates.

10. MODIFICATIONS MADE BY THE CUSTOMER: The customer shall inform KOVA in writing of any modification in the applicable Licensed Products made by others than KOVA. KOVA shall not be responsible for maintaining such modified portions of the Licensed Products or for maintaining the Licensed Products to the extent affected by such modification.

11. INCORPORATION OF LICENSE TERMS: All changes, additions, enhancements, and updates in the Licensed Products or Documentation provided hereunder shall remain proprietary to KOVA and shall be received by the customer for its use pursuant to all of the restrictions and other terms and conditions of the License Agreement, including, but not limited to, use limitations, the exclusion, and limitation of warranties, limitation of liability and undertakings of confidentiality and non-disclosure, all of which are incorporated herein by this reference.

12. TERMINATION: Neither party shall be in default by reason of any failure in performance of this Agreement in accordance with its terms (other than the required payment of money) if such failure arises out of causes beyond the control and without the fault or negligence of such party. Such causes may include but are not restricted to, acts of God or of a public enemy, acts of the government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, product availability, and unusually severe weather, but in every case, the failure to perform must be beyond the reasonable control and without fault or negligence by the party failing to perform. Either KOVA or THE CUSTOMER may terminate this Agreement upon thirty (30) days of written notice in the event the other violates any material provision of this Agreement; provided, however, if the defaulting party cures such violation within the 30-day notice period, the notice of termination shall be withdrawn. Termination by either party shall be in addition to any other legal or equitable remedies available to such party.

13. GENERAL: The customer may not cancel after this agreement has been signed. The customer agrees that notwithstanding the form in which any legal or equitable action may be brought, the liability of KOVA, if any, arising out of or in any way related to its performance of the services provided herein shall be limited to general money damages in an amount not to exceed the total amount paid for such services. Neither party shall be liable to the other for loss of profits, special, consequential, or exemplary damages, even if such party has been advised of the possibility of such damages, except for a violation of paragraph 14 "Employment". Titles and paragraph headings are for convenient reference and are not a part of this Agreement. This Agreement contains the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements, negotiations, representations, and proposals written or oral, relating to this subject matter hereof. No waiver of any breach of any provision of this Agreement shall constitute a waiver of any prior, concurrent or subsequent breach of the same or any other provisions hereof and no waiver shall be effective unless made in writing. In the event that any provisions of this Agreement shall be determined to be illegal or otherwise unenforceable, such provision shall be severed and the balance of the Agreement shall continue in full force and effect; provided, however, that either party may terminate this Agreement if any material provision of this Agreement is deemed to be illegal or otherwise non-enforceable by giving thirty (30) days written notice to the other party within thirty (30) days after such determination, except for a violation of paragraph 13 "Employment", which shall continue in force for the term specified. Nothing herein shall be construed to waive any law or clause regarding the availability or appropriation of government funds, sovereign immunity, the Idaho Tort Claims Act (Idaho Code § 6-901, et seq.), or any other immunity, restriction, or limitation on payment or recovery provided by law.

14. EMPLOYMENT: During the term of this warranty and any subsequent terms of a service maintenance agreement, and for a twenty-four (24) month period thereafter, KOVA and THE CUSTOMER each agree that it will not solicit for employment directly or indirectly any employee of the other who is or has been engaged in the development, maintenance, implementation or marketing of the Equipment, without the written consent of the other, which consent shall not be unreasonably withheld.

15. ASSIGNMENT: Either party without the written consent of the other, which consent shall not be unreasonably withheld, may not assign this agreement.

16. NOTICES: All notices which either party hereto is required to give the other party shall be mailed, postage prepaid, by registered or certified mail. Notices shall be mailed to the respective party at the address listed on the face of this agreement.

17. GOVERNING LAW: The laws of the State of Idaho shall govern this agreement and any issue arising therefrom. The exclusive venue for any litigation between the parties concerning this agreement shall be either the Idaho State District Court, Seventh Judicial District, in and for Bonneville County or the United States District Court, District of Idaho.

18. NON-DISCRIMINATION. CONTRACTOR shall not discriminate against any employee or applicant for employment on the

basis of race, color, religion, creed, political ideals, sex, age, marital status, physical, or mental handicap, gender identity/expression, sexual orientation, or national origin.

19. ANTI-BOYCOTT AGAINST ISRAEL ACT. Pursuant to Idaho Code section 67-2346, if payments under this AGREEMENT exceed one hundred thousand dollars (\$100,000) and CONTRACTOR employs ten (10) or more persons, CONTRACTOR certifies that it is not currently engaged in, and will not for the duration of this AGREEMENT engage in, a boycott of goods or services from Israel or territories under its control. The terms in this Paragraph that are defined in Idaho Code § 67-2346 shall have the meaning defined therein.

20. CERTIFICATION OF NO CHINESE OWNERSHIP. Pursuant to Idaho Code § 67-2359, CONTRACTOR certifies that CONTRACTOR is not currently owned or operated by the government of the People's Republic of China and will not, for the duration of this Agreement, be owned or operated by the government of the People's Republic China.



PROPOSAL#23-0928A

SUBMITTED TO



**Sean Edwards, CFO
Fire Chief – Idaho Falls Regional Airport
2125 Federal Way, Idaho Falls, ID 83402
sedwards@protecfire.com**

Contact Information:

**KOVA, Corp.
102 East Bay Avenue, Suite J,
Manahawkin, NJ 08050
Priscilla Creamer, Director of Sales
609-597-1498 x 215
PCreamer@kovacorp.com**

September 28, 2023



TABLE OF CONTENTS

SECTION 1 Overview Page 3

SECTION 2 System Cost ProposalPage 4

SECTION 3 Annual Support & Optional Components Page 6

Section 1: Overview

KOVA Emergency Alert Notification System (KEANS) is tailored to fulfill your emergency notification system needs and is robust and customizable for individual airport operations. The system proposed for Idaho Falls Regional Airport includes redundancy and modular design, affording your personnel with the latest digital technology that is extremely flexible and functional, built around standard operating procedures. The system can grow with your facility and will continue to provide unprecedented freedom of expandability moving forward. We have based this budgetary pricing upon the scope of work provided to KOVA, Corp.

CUSTOMER RESPONSIBILITIES

The physical servers and all transport wiring (Ethernet or fiber) between the core system and any endpoints (including PoE+ switches, UPS, etc.,) will be the responsibility of the Airport. Terminations for each end point will be RJ-45 receptacles located within 10 feet of the end point location. These receptacles should be red in color to distinguish them as dedicated outlets for the Emergency Alert System. Any Ethernet to fiber conversions in the transport path between the server and the endpoints are the responsibility of the customer. On the core side, each endpoint, modem or PoE+ switch endpoint should be terminated on an RJ-45 modular (male) connector within the rack or cabinet which will house the Emergency Alert system servers. System Endpoints shall be mounted by the customer in advance of system deployment.

KOVA RESPONSIBILITIES

KOVA will provide the design, labor, materials, implementation, testing, training, documentation, maintenance and remote based support for a one-year period as required to provision the system and enable the end- users. KOVA is furnishing a VMWare image for both a primary application server and a backup application server which shall be deployed on Customer Furnished Servers that meet or exceed the minimum operating specifications for KEANS. KOVA will also provide on-going consultation with technical personnel to ensure the system is operating at optimum levels within the customer environment. If required, KOVA will interface with customer 3rd party vendors to pursue integration into other systems. Such integrations may carry additional cost based upon complexity and development required. KOVA will keep the customer personnel abreast about any information related to new and updated features as they are released.

Section 2: System Cost Proposal:

GSA Contract #: GS-35F-011BA

Valid Thru: 10/14/2023

Contractor: KOVA, CORP. ATTN: PRISCILLA CREAMER

Address: 102 E BAY AVE STE J MANAHAWKIN, NJ 08050-3175

Phone: 800-204-5200

E-Mail: pcreamer@kovacorp.com

FEIN: 22-3564190

Locations	Qty	Item Code	Description
ATCT (1)	1	KOVA-EANS-IP-PHONE-EXEC	KOVA IP Based Executive Phone
ARFF (1)	1	KOVA-EANS-PRINTER-ALERTS	KOVA IP Based Printing Station for Alert Notifications
ARFF (2) -Bay Doors -Interior Overhead Lights	2	CONTACT-CLOSURE	KOVA Provided Contact Closure Signal to trigger activation of doors and interior overhead lights
ARFF (2) -Dayroom -Gym	2	KOVA-EANS-SPKR-STROBE	KOVA Provided IP Based Speaker & Strobe Combo Unit
ARFF (2) -Men's Locker -Women's Locker	2	KOVA-EANS-WALL-SPKR	KOVA Provided IP Based Wall mount Indoor/Outdoor Speaker
ARFF (2) -Dorm Area above bunk on both sides of room	2	KOVA-EANS-CEILING-SPEAKER	KOVA IP Based Indoor Ceiling Speakers (2x2 Lay-in Ceiling Tile)
ARFF (1) -Between Bunks Apparatus Bay (1) -Top wall above workbench	2	KOVA-EANS-STROBE-MULTI	KOVA Provided IP Based Indoor/Outdoor Multi-Color Strobe
Apparatus Bay (1) -Top wall above workbench	1	KOVA-EANS-HORN-SPEAKER	KOVA IP Based Horn Speaker (Heavy Duty)
Server Room	1	PHYSICAL-SERVER-PRI	KOVA Provided Primary Server
Server Room	1	PHYSICAL-SERVER-BCK	KOVA Provided Backup Server
Site-wide	1	DINSTALL	Project Management Fees for 1st Year: Includes Delivery, Installation, Training, and 1st Year Warranty with remote based support.
TOTAL INVESTMENT:			\$87,575.00

*PAYMENT TERMS:

50% DUE AT CONTRACT ACCEPTANCE

25% DUE AT DELIVERY

25% DUE AT SYSTEM SIGN-OFF

*NOTE: In addition to an upfront purchase, KOVA also offer a monthly payment model over 4 and 5 year terms that includes the initial solution, and 24x7 hardware/software maintenance, upgrades, and support. In both monthly payment plans, you fully own all hardware and software but can distribute payments more evenly over a longer term. Additionally, both 4 and 5 year terms include a server hardware refresh at the beginning of year 3.

5 year term - \$2,994.59/month or 4 year term - \$3,280.66/month

Section 4: Annual Extended Warranty & Support

OPTION 1: SINGLE YEAR TERM EXTENDED WARRANTY CONTRACT
(CONTRACT WILL TERMINATE AND CAN BE RENEWED IN ADDITIONAL 1 YEAR

TERM INCREMENTS AT RATES BELOW)

GSA Item Code	GSA Description	GSA Catalog Price	Final Discounted Price
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-SINGLE	Year 2: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$17,515.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-SINGLE	Year 3: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$17,515.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-SINGLE	Year 4: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$17,515.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-SINGLE	Year 5: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$17,515.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-SINGLE	Year 2: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$17,515.00

***OPTION 2: THREE YEAR EXTENDED WARRANTY CONTRACT**

(EXTENDED WARRANTY CONTRACT WILL TERMINATE AFTER 36 MONTHS, WITH PAYMENTS TO BE MADE IN ANNUAL INSTALLMENTS AT THE START OF EACH WARRANTY YEAR).

GSA Item Code	GSA Description	GSA Catalog Price	Final Discounted Price
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-3-YR-LOCK	Year 2: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$16,990.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-3-YR-LOCK	Year 3: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00 <u>NOTE: With a 3 Year Term agreement, a server refresh is included at no additional charge in year 3 of maintenance agreement.</u>	\$22,630.34	\$16,990.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-3-YR-LOCK	Year 4: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$16,990.00

***OPTION 3: FIVE YEAR EXTENDED WARRANTY CONTRACT**

(EXTENDED WARRANTY CONTRACT WILL TERMINATE AFTER 60 MONTHS, WITH PAYMENTS TO BE MADE IN ANNUAL INSTALLMENTS AT THE START OF EACH WARRANTY YEAR).

GSA Item Code	GSA Description	GSA Catalog Price	Final Discounted Price
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-	Year 2: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$16,639.00

EXTENDED-5-YR-LOCK			
,KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-5-YR-LOCK	Year 3: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00 <u>NOTE: With a 3 Year Term agreement, a server refresh is included at no additional charge in year 3 of maintenance agreement.</u>	\$22,630.34	\$16,639.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-5-YR-LOCK	Year 4: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$16,639.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-5-YR-LOCK	Year 5: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$16,639.00
KOVA-MAINTENANCE-GOLD-PLAN-GOVT-EXTENDED-5-YR-LOCK	Year 6: Extended Warranty with 24x7 remote support with next day depot on replacement parts of the base system quoted with a purchase price of \$87,575.00	\$22,630.34	\$16,639.00

Memorandum

File #: 23-342

City Council Meeting

FROM: Pam Alexander, Municipal Services Director
DATE: Tuesday, November 28, 2023
DEPARTMENT: Municipal Services

Subject

Purchase Replacement Rear Loader for Public Works

Council Action Desired

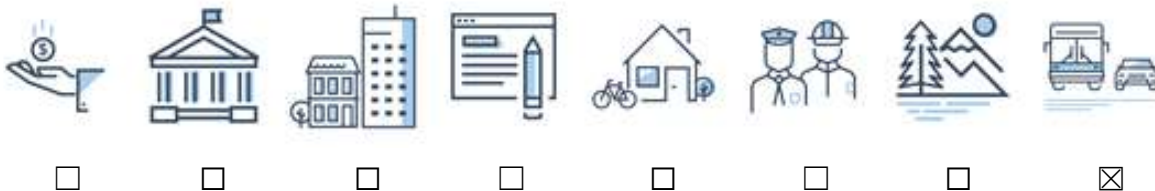
- ☐ Ordinance ☐ Resolution ☐ Public Hearing
☒ Other Action (Approval, Authorization, Ratification, etc.)

Accept and approve the purchase of one replacement rear loader for Public Works from the Sourcewell cooperative purchasing contract #091219-LEG from SWS Equipment and Peterbilt Motors Company for a total of \$298,098.92 (or take other action deemed appropriate).

Description, Background Information & Purpose

This purchase will replace unit 7020, a 2011 Western Star Leach Alpha Rear Loader that has reached its useful life and which is scheduled for replacement. The total purchase price of \$298,098.92 includes a \$15,000 trade-in credit for unit 7020.

Alignment with City & Department Planning Objectives



The purchase of the rear loader supports the reliable public infrastructure and transportation community-oriented results by replacing equipment that has reached its useful life.

Interdepartmental Coordination

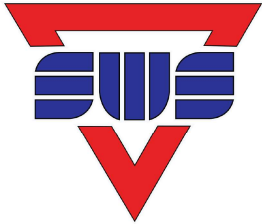
The Public Works Department concurs with the award recommendation.

Fiscal Impact

Funds to purchase the replacement rear loader are within the 2023/24 Public Works Equipment Replacement Fund, Sanitation Division.

Legal Review

The City Attorney concurs that the desired Council action is within State Statute.



SWS Equipment, LLC.

6515 E Nixon Ave Spokane, WA 99212

All Correspondence remit to: P.O. Box 13040, Spokane, WA 99213

509-533-9000 1-800-892-7831 F 509-533-1050

www.SWSequipment.com

QUOTE

Quote #: PHFDQ7483-01

Date: 11/20/23

Sales Rep: Phil Davison

FOB: Destination

Ship Via: Bestway

Est. Ship Date:

Terms: Net 30

Quote To:

City of Idaho Falls
Jordan Rechenmaker
2472 N Holmes
Idaho Falls ID 83401
(208) 612-8151

Ship To:

City of Idaho Falls
Jordan Rechenmaker
2472 North Holmes Avenue
Idaho Falls ID 83401
(208) 612-8151

We are pleased to propose the following for your consideration

Qty	Description	Unit Price	Ext. Price
1.0	Sourcewell Contract Labrie Enviroquip 091219-LEG City of Idaho Falls Account # 24221		
1.0	Peterbilt 548 Chassis, 64,740 GVRW, 300 HP Paccar PX 9 Engine	\$152,061.86	\$152,061.86
1.0	Capacity: Leach 2R-III, 25 C.Y. Residential Standard Features Include: 3.5 C.Y. hopper. Trough floor design. Street side access door. Hot Shift Power Take-Off (PTO). Remote mounted Gear pump. Overspeed protection on pump (programming of Allison transmission). Engine speed-up : Automatic with Pack Cycle + Manual push buttons. Telescopic ejection cylinder. Driver Signal buttons on each side of tailgate. Manual tailgate latches. Adjustable riding steps w/grab handles both sides of tailgate. Circuit breakers with manual reset. 5 lbs fire extinguisher, first aid kit & triangle kit. Safety vests (3). ANSI Z245.1-2012 compliant. Zinc-plated hydraulic tubing. Body blasted with steel grit. Marine rust inhibitor treatment on body. Engine speed-up at 1200 RPM. Pump overspeed protection at 1600 RPM. Body Side Opening - Hydraulic Tank Level Gauge Access - Curb Side Not available if the hydraulic tank is on the chassis rather than inside the body. Chromium Carrier Shoes. Warranty on Body & Hydraulics: 1 Year.	\$83,380.00	\$83,380.00
1.0	BCLO-0020; Push Bar with Latch & Ears	\$6,150.00	\$6,150.00
1.0	BCDS-0060; Residential Cart Tippers (2) (Single Function Valves) Load edge/tippers height may need to be adjusted after the body is mounted - (Specify tipper model)	\$11,380.00	\$11,380.00
1.0	HPTO-0065; PTO Muncie MC1 Hot Shift Streetside with Enclosed Shaft Extension Muncie XSMC Mandatory on Transmission Driven PTO for Mack Granite chassis (GU, BR, FR) with 3000RDS transmission.	\$2,920.00	\$2,920.00
1.0	EPOP-0000; Engine Speedup at 1200 RPM and Pump Overspeed Protection at 1500 RPM	\$320.00	\$320.00
1.0	HEVS-0010; Additional Tailgate Valve Sections (2) with Control Handles	\$1,390.00	\$1,390.00
1.0	BCOT-0005; Broom and Shovel on Tailgate Curbside & Additional Holders on Tailgate Streetside	\$340.00	\$340.00
1.0	BFEX-0045; Fire Extinguisher 20 lbs (1) on Rubrail Streetside (Center) Horizontal (standard position: body streetside unless specified otherwise by regulation)		

Qty	Description	Unit Price	Ext. Price
1.0	EEEB-0010; Pump Shut-Off Switches (2) One on Each Side of the Hopper	\$460.00	\$460.00
1.0	ESDI-0000; Automatic Pump Shut-off When Side Door Open	\$490.00	\$490.00
1.0	BESK-0000; Spill Kit on Rubrail Curbside (Center) (standard position : chassis curbside)	\$360.00	\$360.00
1.0	CCTB-0000; Toolbox on Chassis Aluminium 24"D x 24"H x 24"W (Swing Door) (Location TBD, depending on space availability, Additional charges may apply if chassis components need to be relocated)	\$1,700.00	\$1,700.00
1.0	BWCH-0030; Wheel chocks (2) under Body Curbside in Front of Rear Wheels	\$420.00	\$420.00
1.0	LLPA-0020; Multifunctions Lights (4) LED - Upper & Lower Tailgate Light Panels	\$860.00	\$860.00
1.0	LBLR-0025; Backup Lights on Rubrails Mid-Body - LED (2)	\$730.00	\$730.00
1.0	LBLT-0025; Backup Lights on Tailgate Above Hopper Centered - LED (2)	\$810.00	\$810.00
1.0	LWLK-0105; Work Light Hopper Flush Mount - LED (1)	\$360.00	\$360.00
1.0	LPWL-0045; Work Light Behind Ejector - LED (1)	\$470.00	\$470.00
1.0	LWLT-0035; Work Lights Tailgate Sides - LED (2)	\$810.00	\$810.00
1.0	LSLE-0015; Strobe Light Beacon Style on Tg. over Upper S/T/T Lights Streetside - Whelen L10HAP (1) LH Top of Tailgate - LED - Qty 1	\$590.00	\$590.00
1.0	CCCC-0001; Single 3rd Eye Camera (1) With Heater/Without Shutter Monitor must be selected separately. Heater. No Shutter	\$2,160.00	\$2,160.00
1.0	CCCM-0003; 3rd Eye 7" Color Monitor (AWT07MLED) Split screen	\$250.00	\$250.00
1.0	CCAW-0000; 3rd Eye Air Wash on Backup Camera (1 Camera)	\$1,610.00	\$1,610.00
1.0	EPHM-0010; Hour Meter - Hydraulics (EXTERNAL)	\$310.00	\$310.00
1.0	BGGP-0010; Ground Level Grease Points for Packer & Carrier (Centralized)	\$2,800.00	\$2,800.00
1.0	PCBP-0000; Base Coat/Clear Coat Body Paint Includes bolt-on parts painted body color	\$2,340.00	\$2,340.00
1.0	BSMS - 0050 Additional Mounting Spring Set	\$400.00	\$400.00
1.0	Brigade Backeye 360 with 10" Monitor and additional Hopper Camera (See if we can get prewired)	\$5,617.33	\$5,617.33
1.0	Groeneveld AutoLube System Chassis & Body	\$6,667.50	\$6,667.50
1.0	Reaving Cylinder Installation Kit	\$11,666.67	\$11,666.67
1.0	Installation of Reeving Cylinder	\$5,000.00	\$5,000.00
1.0	HHOH-0005; Hydraulic Oil Heater in Tank (Electric 110V) - Electrical Inlet on Body	\$1,300.00	\$1,300.00
1.0	Installation of Hydraulic Oil Heater	\$555.56	\$555.56

Qty	Description	Unit Price	Ext. Price
1.0	Sourcewell Discount	-\$6,000.00	-\$6,000.00
1.0	Trade In Credit for 2011 Western Star Leach Alpha Body #7020	-\$15,000.00	-\$15,000.00
1.0	FOB Yuma, AZ	\$586.67	\$586.67
1.0	Freight to Spokane, WA	\$6,683.33	\$6,683.33
1.0	Freight to Idaho Falls, ID	\$3,900.00	\$3,900.00
1.0	PDI	\$1,250.00	\$1,250.00

Order Total \$298,098.92

Please contact me if I can be of further assistance.

QUOTE VALID FOR 10 DAYS

**PRICING IS SUBJECT TO CHANGE BASED ON CURRENT MATERIALS AND AVAILABILITY
 APPLICABLE SALES TAX NOT INCLUDED UNLESS OTHERWISE NOTATED - AMOUNT BASED ON FINAL INVOICE DATE
 ANY IMPLIED WARRANTY AS PER MANUFACTURER'S STANDARD WRITTEN WARRANTY
 PAYMENT DUE UPON COMPLETION OF WORK OR AS SPECIFIED ABOVE**

Due to a high level of uncertainty with regards to pricing changes from our vendors and the freight industry, the price and freight charges on this document may be adjusted prior to shipping.

Signature: _____ Printed Name: _____ Date: _____

Memorandum

File #: 23-343

City Council Meeting

FROM: Pam Alexander, Municipal Services Director
DATE: Tuesday, November 28, 2023
DEPARTMENT: Municipal Services

Subject

Purchase Mowers for Parks and Recreation Department

Council Action Desired

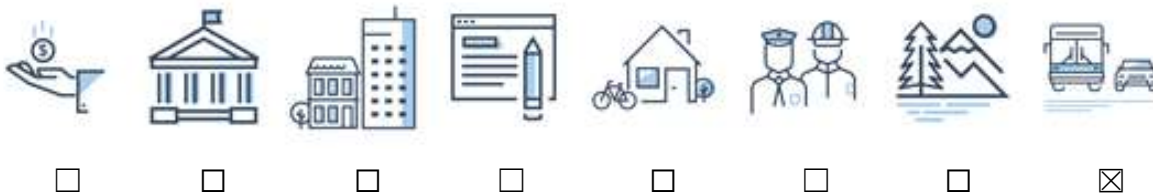
- ☐ Ordinance ☐ Resolution ☐ Public Hearing
☒ Other Action (Approval, Authorization, Ratification, etc.)

Accept and approve the purchase of two Groundsmaster 4300, one Greensmaster 3150-Q, one Workman UTX Gas, and one Workman GTX EFI from the Sourcewell cooperative purchasing contract #24221 from Turf Equipment and Irrigation, Inc. for a not-to-exceed amount of \$249,077.04 (or take other action deemed appropriate).

Description, Background Information & Purpose

The purchase will replace mower units 9328, 9329, 9322, 865 and 9316 that have reached their useful life and are scheduled for replacement. The vendor, Turf Equipment and Irrigation, Inc. is anticipating a build time of 18-24 months following the approval of this bid award. In addition, the vendor has stated that due to the long lead times for manufacturing and current market conditions, pricing cannot be guaranteed. Consequently, the vendor has added a 10% contingency cap for a not-to-exceed amount of \$249,077.04.

Alignment with City & Department Planning Objectives



The purchase of the replacement mowers supports the reliable public infrastructure and transportation community-oriented result by replacing equipment that has reached its useful life.

Interdepartmental Coordination

The Parks and Recreation Department concurs with the award recommendation.

Fiscal Impact

Funds to purchase the mowers are within the approved 2023-2024-Parks and Recreation Municipal Equipment Replacement Fund.

Legal Review

The City Attorney concurs that the Council action desired is within the state statute.



**TURF EQUIPMENT
& IRRIGATION INC**

Turf Equipment & Irrigation, Inc.
1630 S. Gladiola St. SLC, UT 84104
P.O. Box 26903 SLC, UT 84126-0903
(801) 566-3256

Prepared by:
Chad Allen, TSPC
Commercial Sales
(801) 645-3773
chad.allen@turfequip.com

Proposal Date: 2023-11-14
Expiration Date: 2023-12-18
Quote ID: Q146039



Dereck Stanfield
Superintendent
Sand Creek Golf Course

Sourcewell Municipal Contract

Account #: 24221

All pricing is subject to change at the time of delivery.
Availability and time of delivery may vary; please allow 24+ months for most items.

Qty	Model #	Name	MSRP	Award	10% Cap
2	30879	Groundsmaster 4300	\$194,070.98	\$151,375.36	\$166,512.90
2	03667	Seat Suspension, Air Ride			
2	133-1308	Seat Cover			
10	114-0435-03	Atomic Blade (22 Inch)			
1	04358	Greensmaster 3150-Q	\$54,237.87	\$42,305.62	\$46,536.18
1	04554	Light Kit - LED			
3	04256	Wide Wiehle Roller (One roller)			
3	04652	8 Blade Cutting Unit			
3	120-9600	High HOC Kit			
1	08100	Workman UTX Gas	\$25,624.00	\$23,830.32	Not Needed
1	08143	Underseat Storage			
1	08110	Canopy, Polyethylene			
1	08113	Windshield, Hard Coat Polycarbonate			
1	08116	Rear Window, Polycarbonate			
1	08134	Electric Bed Lift			
1	07409	Workman GTX EFI	\$15,638.00	\$12,197.64	Not Needed
1	07047	Bench Seat Kit			
1	07046	Plastic Cargo Bed			
1	07921	2-Person Canopy			
1	07923	Fold-Down Windshield			

Equipment Total:

\$229,708.94

w/ 10%
Cap
\$249,077.04

Does not include Sales Tax, Use Tax, or Personal Property Tax

1 **Budgetary Cap - Not to Exceed Pricing- 10% Above Current Contract Price**

As a result of extreme volatility in commodity prices and long lead times, Turf Equipment cannot guarantee pricing on this order. Upon completion of a signed sales agreement, the final price will be current Sourcewell contract price at the time of delivery not to exceed 10% over the quoted award price, whichever is lower.

Memorandum

File #: 23-344

City Council Meeting

FROM: Pam Alexander, Municipal Services Director
DATE: Tuesday, November 28, 2023
DEPARTMENT: Municipal Services

Subject

Upgrade and Refurbish Sewer Crawler Systems for Public Works

Council Action Desired

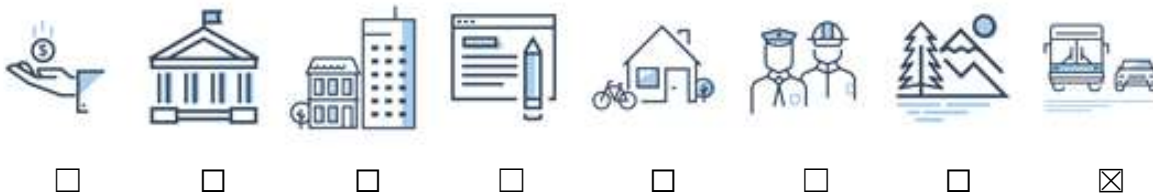
- ☐ Ordinance
 ☐ Resolution
 ☐ Public Hearing
 ☒ Other Action (Approval, Authorization, Ratification, etc.)

Accept and approve the purchase of a sewer crawler system from the Sourcewell cooperative purchasing contract #120721-EVS from Metroquip, Inc. for a total of \$203,979.90 (or take other action deemed appropriate).

Description, Background Information & Purpose

This purchase will install system upgrades to units 145 and 1199 to refurbish and extend the useful life of the equipment.

Alignment with City & Department Planning Objectives



The purchase of the sewer crawler system supports the reliable public infrastructure and transportation community-oriented result by maintaining and refurbishing existing equipment.

Interdepartmental Coordination

The Public Works Department concurs with the award recommendation.

Fiscal Impact

Funds to purchase the sewer crawler system were budgeted within the 2023/24 Public Works Equipment Replacement Fund, Sewer Division.

Legal Review

The City Attorney concurs that the desired Council action is within State Statute.



CONTRACT PRICING WORKSHEET

Contract No.: 120721-EVS

Buying Agency	City of Idaho Falls	Sales Partner	MetroQuip, Inc.
Contact Person	Carl Utter	Contact Person	Jeff McCoy
Phone	208-612-8108	Phone	208-921-5332
Fax		Fax	
Email	cutter@idahofalls.gov	Email	jmccoy@metroquip.net

Itemized Contract Items / Options - Attach additional sheet if necessary

QTY	Part Number	Description	LIST PRICE	Contract PRICE
1	E-RX-SYS-PRO-500-400-21	System includes DCX5000 Controller with CCUI, RAX500 Automatic Cable Reel with 500M (1640ft) Cable, wireless remote controller, reel mounting frame, RX400 Crawler with two sets of wheels for pipe diameter 24"-59". RCX90 pan, tilt, zoom camera, pressurization kit, and Wincan VX entry license.	\$ 179,760.00	\$ 171,200.00
1	E-559-0900-03	Auxillary light with Backup Camera	\$ 5,243.00	\$ 4,993.33
1	E-560-0900-07	RX130 Quick Change Wheel Crawler Crawler body only, no wheels included. *10% discount for spare	\$ 22,286.57	\$ 22,286.57
Subtotal Contract Items			\$ 207,289.57	\$ 198,479.90

Sourced / Non Contract Items

QTY	Part Number	Description	LIST	COST
Subtotal Sourced Items			\$ -	\$ -
Freight			\$ 1,500.00	\$ 1,500.00
Install in Existing Van, PDI, Training			\$ 4,000.00	\$ 4,000.00
Total Sourcewell Purchase Quote			\$ 212,789.57	\$ 203,979.90

underground
understood

Rise to the occasion

Whether you're battling high flows, deep mud or big obstacles—or simply need the height and illumination to inspect pipe as large as 10' plus—count on the RX400's brute force to conquer the toughest jobs.

Illuminated rear-view camera

Selectable 512/640 Hz sonde

DigiSewer and laser compatibility

Sensors for tilt, roll, height, pressure and temp

4 aimable LED tri-lamps and 2 LED path lamps

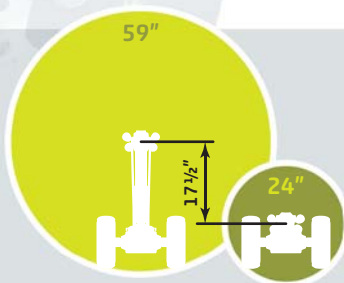
Rangefinders to center camera, measure diameter

Expansion port for elevated rear-view camera



total integration

The RX400 works with all other ROVER X components, so upgrading your capability has never been easier and more affordable.



vertical range

With its remote-operated lift, the RX400 centers camera view in lines 24-59" diameter (or up to 79" diameter with optional extension accessory).



extreme capability

Powerful drive train and ground clearance are just the beginning—rear view camera, auxiliary lamps, laser rangefinders, sonde, sensors and expansion port are all built in.



Envirosight

www.envirosight.com • (866) 936-8476

Command performance

The ROVER X DCX5000 desktop command center puts every function at your fingertips, so you can inspect with maximum productivity—all from the comfort of your vehicle's control studio.



Tiltable screen optimizes viewing.

Full QWERTY keyboard facilitates data entry.

Joysticks and thumbwheels grant precision control.

10" screen and backlit legends enhance visibility in low light.

Installs as unitized panel, or separates into individually mountable components.



total integration

The DCX5000 works with all other ROVER X components, so upgrading your capability has never been easier or more affordable.



custom configuration

DCX5000 components can be mounted in the supplied bezel for a unitized installation, or positioned individually to suit the unique needs of the user.

precision control

Proportional joysticks control crawler and camera movement, while thumbwheels adjust illumination intensity, cruise speed, camera height and reel tension.



Envirosight

Memorandum

File #: 23-345

City Council Meeting

FROM: Pam Alexander, Municipal Services Director
DATE: Wednesday, November 29, 2023
DEPARTMENT: Municipal Services

Subject

Northgate Mile Railroad Property Clean Up

Council Action Desired

- ☐ Ordinance
 ☐ Resolution
 ☐ Public Hearing

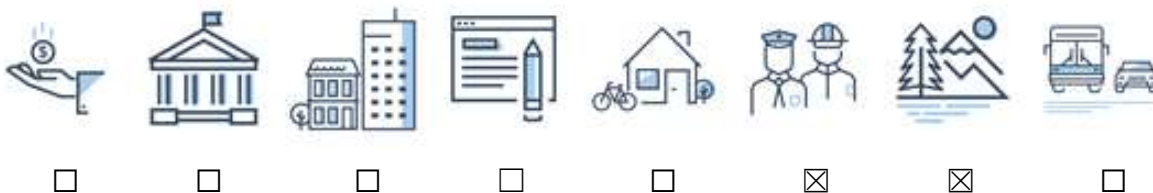
☒ Other Action (Approval, Authorization, Ratification, etc.)

Accept and approve the lowest quote received from Rhodehouse Construction, Inc. for a total of \$78,922.00 (or take other action deemed appropriate).

Description, Background Information & Purpose

Rhodehouse Construction was the lowest of three attempted quotes to provide demolition, hauling and removal of property debris located on the Northgate Mile Railroad property (behind the Law Enforcement Complex fence line). The quote includes one-time mobilization of heavy equipment, abatement and demolition of abandon trailers and remaining corrals, hauling and proper disposal of debris.

Alignment with City & Department Planning Objectives



The removal of abandon debris supports the safe and secure and economic growth and vibrancy community-oriented results by providing safety solutions that focus on prevention of crime and identify areas and encourage programs that focus on redevelopment opportunities.

Interdepartmental Coordination

There is consensus from Municipal Services, Public Works, and the Police Department that the site location will benefit greatly from removal of the abandon debris.

Fiscal Impact

Funds for the removal of the abandon debris will need to be prioritized within the 2023/24 Municipal Services Building Maintenance and Repair list of projects planned for the 2023/24 fiscal year.

Legal Review

The City Attorney concurs that the Council action desired is within State Statute.

Rhodehouse Construction Inc

4132 East 100 N
Rigby, ID 83442
208 745-7816 office
208 745-7369 fax
rhodehouseconstruction@hotmail.com

ESTIMATE

Date	Quote #
10/23/2023	Estimate

Name / Address
City of Idaho Falls attn: Alan Muir 308 Constitution Way Idaho Falls, ID 83402

Rep	Project
Truck	Demo - Stock Yard

Description	Qty	Units	Cost	Total
Demolition - Stock Yards	1		0.00	
Mobilization & Transport - Equipment - Volvo Excavator	1		18,922.00	18,922.00
- Cleaning & grubbing site -				
Demo Corral's and Haul off to approved Landfill - (Land fill fee's are included)	1		35,000.00	35,000.00
Demo - Trailer home's and haul off to approved landfill	1		16,000.00	16,000.00
Volvo Exc - leave concrete onsite				0.00
Truck Time - leave concrete onsite				0.00
Idaho Abatement - Removal	1		9,000.00	9,000.00
Price does not include any hazardous material removal if found				
			Total	\$78,922.00

We propose to furnish labor and materials in complete accordance with the above specifications. This estimate is for completing the construction work described above. It is solely based on our evaluation and does not include material price increases or additional labor and or materials that may be needed should unforeseen problems or adverse weather develops following the start of the job.

The above prices and specifications are satisfactory and are hereby accepted.

Signature of Contractor _____

Date _____

Acceptance of Proposal _____

Date _____

Memorandum

File #: 23-340

City Council Meeting

FROM: Chris H Fredericksen
DATE: Tuesday, November 21, 2023
DEPARTMENT: Public Works

Subject

Local Professional Services Agreement with Horrocks Engineers in support of the Science Center Drive, North Boulevard to Holmes Avenue Improvement Project

Council Action Desired

- ☐ Ordinance ☐ Resolution ☐ Public Hearing
☒ Other Action (Approval, Authorization, Ratification, etc.)

Approve the Professional Services Agreement with Horrocks Engineers, Inc., and authorize the Mayor to execute the document (or take other action deemed appropriate).

Description, Background Information & Purpose

The purpose of the agreement is to establish a contract to provide design engineering, planning, materials reports and surveying for the Science Center Drive, North Boulevard to Holmes Avenue Improvement Project.

Alignment with City & Department Planning Objectives



This agreement supports the community-oriented result of reliable public infrastructure and transportation by providing design services for this improvement project.

Interdepartmental Coordination

Project reviews will be conducted with all necessary city departments to ensure coordination of project activities.

Fiscal Impact

The cost to perform these services is a not-to-exceed amount of \$352,586.00. The City match requirement for this Federal Aid project will be \$25,879.81. Sufficient Street Capital Improvement funding and budget authority exist to complete the work associated with the agreement.

Legal Review

The agreement has been reviewed by the office of the City Attorney.

2-38-07-4-STR-2021-17
2023-079

Idaho Transportation Department
Local Professional Services Agreement

Agreement #: 96745

THIS AGREEMENT is made and entered into this _____ day of _____, _____, by and between the CITY OF IDAHO FALLS, whose address is PO Box 50220 Idaho Falls, ID 83405, hereinafter called the "Sponsor," and Horrocks Engineers, Inc., whose address is 2775 W. Navigator Dr., Ste 210, , Meridian, ID, 83642, hereinafter called the "Consultant."

RATIFICATION

The Idaho Transportation Department, representing the Federal Highway Administration on all local federal-aid highway projects, is authorized to ratify all agreements for engineering services entered into between sponsoring local agencies and their retained consultants. All references to State used hereafter shall denote the Idaho Transportation Department.

NOW, THEREFORE, the parties hereby agree as follows:

The work covered by this Agreement is for the following project(s):

Project Name	Project #	Key #
NHS-7046, SCIENCE CENTER; N BLVD TO HOLMES, IDAHO FALLS	A022(008)	22008

SUBCONSULTANTS

The State approves the Consultant's utilization of the following Subconsultants:

Shannon & Wilson, Inc.

AGREEMENT ADMINISTRATOR

This Agreement shall be administered by Lisa Popoff, Federal-aid Engineer, LHTAC; (208) 344-0565; or an authorized representative.

DUTIES AND RESPONSIBILITIES OF CONSULTANT

A. DESCRIPTION OF WORK

The Consultant shall provide professional services as outlined in the attachment(s) and as further described herein.

1. The following attachments are made a part of this Agreement:

a. **Attachment No. 1L** is the Consultant Agreement Specifications which are applicable to all agreements.

b. **Attachment No. 2** is the negotiated Scope of Work, Cost Estimate, and Man-Day Estimate.

In the case of discrepancy, this Agreement shall have precedence over Attachment No. 2, and Attachment No. 2 shall have precedence over Attachment No. 1.

2. Per Diem will be reimbursed at the current approved rates. These rates are listed at <http://itd.idaho.gov/business/?target=consultant-agreements> .

DUTIES AND RESPONSIBILITIES OF SPONSOR AND/OR STATE

The Sponsor and/or State shall provide to the Consultant, upon request, copies of any records or data on hand which are pertinent to the work under the Agreement.

TIME AND NOTICE TO PROCEED

A. The Consultant shall start work under this Agreement no later than ten (10) calendar days from the receipt of the written notice to proceed with the work. The Consultant shall complete all work by **12/31/2025**.

B. The Consultant shall remain available to perform additional work for an additional sixty (60) days or until the Agreement is closed out, whichever comes first.

BASIS OF PAYMENT

A. Payment Basis: Cost Plus Fixed Fee

B. Compensation Amount

1. Not-To-Exceed Amount: **\$352,586.00**

2. Additional Services Amount: **\$0.00**

3. Total Agreement Amount: **\$352,586.00**

C. Fixed Fee Amount: **\$25,801.00** (This is included in the Total Agreement Amount.)

D. Approved Overhead Rates for Prime Consultant and Subconsultants

Horrocks Engineers, Inc. 169.96%

Shannon & Wilson, Inc. 170.58%

E. Reasonable increases in labor rates during the life of this Agreement will be accepted. Payroll additive rate, general administrative overhead rate, and unit prices are subject to adjustment during the life of this Agreement based on audit and negotiations. If the State approves an adjustment to the overhead rate or unit prices, the Consultant must then submit a written request to the Agreement Administrator requesting use of the approved rate(s) on this agreement. If the new rate(s) are accepted by the Agreement Administrator, they shall apply from the date the written request was made to the Agreement Administrator. An adjustment shall not change the Non-To-Exceed amount of the Agreement. For projects of duration greater than two years, the Not-To-Exceed amount may be negotiated. In no case will rates be adjusted more than once per agreement year.

F. Professional Services Authorization and Invoice Summary (Authorization) No. 1 is issued in the amount of **\$175,000.00** to begin the work of this Agreement. The remaining amount will be issued by consecutive Authorizations.

An additional services amount may be included in this Agreement. If so, the Sponsor will determine if additional services is required beyond the services outlined in Attachment No. 2. When additional services are required, the additional services amount of the Agreement will be utilized, and a subsequent Authorization will be issued.

IN WITNESS WHEREOF, the Parties hereto have set their hands on the day and year in this Agreement first written above.

HORROCKS ENGINEERS, INC.

Consultant

By: 

Title: Principal

CITY OF IDAHO FALLS

Local Sponsor

By: _____

Title: _____

**IDAHO TRANSPORTATION
DEPARTMENT**

By: _____

Title: _____

ATTACHMENT NO. 1L

CONSULTANT AGREEMENT SPECIFICATIONS

These specifications supplement Local Professional Services Agreements and shall be attached to said Agreements.

A. DEFINITIONS

1. **Administrator:** Person directly responsible for administering the Professional Services Agreement (Agreement) on behalf of the Local Public Agency.
2. **Combined Overhead:** The sum of the payroll additives and general administrative overhead expressed as a percent of the direct labor cost.
3. **Cost:** Cost is the sum of the hourly charge out rate and other direct costs.
4. **Cost Plus Fixed Fee:** Cost Plus Fixed Fee is the sum of the payroll costs, combined overhead, and other direct costs, plus the fixed fee.
5. **CPM:** Critical Path Scheduling. The CPM will list work tasks, their durations, milestones and their dates, and State/Local review periods.
6. **Fixed Fee:** A dollar amount established to cover the Consultant's profit and business expenses not allocable to overhead. The fixed fee is based on a negotiated percent of direct labor cost and combined overhead and shall take into account the size, complexity, duration, and degree of risk involved in the work. The fee is "fixed," i.e. it does not change. If extra work is authorized, an additional fixed fee can be negotiated, if appropriate.
7. **General Administrative Overhead (Indirect Expenses):** The allowable overhead (indirect expenses) expressed as a percent of the direct labor cost.
8. **Hourly Charge Out Rate:** The negotiated hourly rate to be paid to the Consultant which includes all overhead for time worked directly on the project.
9. **Incentive/Disincentive Clause:** Allows for the increase or decrease of total Agreement amount paid based on factors established in the Agreement. Normally, these factors will be completion time and completion under budget.
10. **Lump Sum:** An agreed upon total amount, that will constitute full payment for all work described in the Agreement.
11. **Milestones:** Negotiated portions of projects to be completed within the negotiated time frame. Normally the time frame will be negotiated as a calendar date, but it could also be "working" or "calendar" days. As many milestones as the Consultant and the State/Sponsor believe necessary for the satisfactory completion of the Agreement will be negotiated.
12. **Not-To-Exceed Amount:** The Agreement amount is considered to be a Not-to-Exceed amount, which amount shall be the maximum amount payable and shall not be exceeded unless adjusted by a Supplemental Agreement.
13. **Other Direct Costs:** The out-of-pocket costs and expenses directly related to the project that are not a part of the normal company overhead expense.
14. **Payroll Additives:** All payroll additives allocable to payroll costs such as FICA, State Unemployment Compensation, Federal Unemployment Compensation, Group Insurance, Workmen's Compensation, Holiday, Vacation, and Sick Leave. The payroll additive is expressed as a percent of the direct labor cost.

15. **Payroll Costs (Direct Labor Cost):** The actual salaries paid to personnel for the time worked directly on the project. Payroll costs are referred to as direct labor cost.
16. **Per Diem Rates:** Per Diem will be reimbursed at actual cost. However, reimbursements shall not exceed the current approved rates. The current rates are listed on the following Web site: <http://itd.idaho.gov/business/?target=consultant-agreements>.
17. **Standard of Care:** The level or quality of service ordinarily provided by normally competent practitioners of good standing in that field, contemporaneously providing similar services in the same locality and under the same circumstances.
18. **State:** Normally "State" refers to the Idaho Transportation Department.
19. **Sponsor:** The "Sponsor" refers to the local public agency.
20. **Unit Prices:** The allowable charge out rate for units or items directly related to the project that are not a part of the normal overhead expense.

NOTE: All cost accounting procedures, definitions of terms, payroll cost, payroll additives, general administrative overhead, direct cost, and fixed fee shall comply with Federal Acquisition Regulations, 48 CFR, Part 31, and be supported by audit accepted by the State.

B. STANDARDS OF PERFORMANCE

Except as otherwise specifically provided for in the Consultant's Scope of Work, the Consultant agrees that all work performed under the Agreement will be performed in accordance with Idaho Transportation Department Standards and other appropriate standards with generally acceptable standard of care. When the work is of a nature that requires checking, the checking shall be performed by a qualified person other than the one who performed the work.

C. AGREEMENT ADMINISTRATOR

The Agreement Administrator will administer the Agreement for performance and payment, and will decide all questions which may arise as to quality and acceptability of the work, rate of progress, definition of work to be performed, completion of milestones, and acceptable fulfillment of the Agreement. The Consultant shall address all correspondence, make all requests, and deliver all documents to the Administrator. The Administrator shall be responsible for the timely coordination of all reviews performed by the State or their representatives.

D. PERSONNEL

The Consultant shall provide adequate staff of experienced personnel or Subconsultants capable of and devoted to the successful accomplishment of work to be performed under the Agreement. The specific individuals or Subconsultants listed in this Agreement, including Project Manager, shall be subject to approval by the State and shall not be removed or replaced without the prior written approval of ITD. Replacement personnel submitted for approval must have qualifications, experience and expertise at least equal to those listed in the proposal.

E. SUBCONSULTANTS

The Consultant shall have sole responsibility for the management, direction, and control of each Subconsultant and shall be responsible and liable to the Sponsor for the satisfactory performance and quality of work performed by Subconsultants under the terms and conditions of this Agreement. The Consultant shall include all the applicable terms and conditions of this Agreement in each Subconsultant Agreement between the Consultant and Subconsultant, and provide the State with a copy of each Subconsultant Agreement prior to the Subconsultant beginning work. No other Subconsultant shall be used by the Consultant without prior written consent by the State.

F. PROFESSIONAL SERVICES AUTHORIZATION

1. A written PROFESSIONAL SERVICES AUTHORIZATION (PSA) will be issued by the State to authorize the Consultant to proceed with a specific portion of the work under this Agreement. The number of PSAs required to accomplish all the work under this Agreement is one to several. Each PSA will authorize a maximum dollar amount and specify the milestone(s) for which the PSA represents. The Sponsor assumes no obligation of any kind for expenses incurred by the Consultant prior to the issuance of the PSA; for any expenses incurred by the Consultant for services performed outside the work authorized by the PSA; and for any dollar amount greater than authorized by the PSA.
2. The Consultant's work of this Agreement will be divided into milestones, each governed by a separate PSA. It is not necessary for a PSA to be completed prior to the issuance of the next PSA. The Consultant shall not perform work which has not been authorized by a PSA. When the money authorized by a PSA is nearly exhausted, the Consultant shall inform the Administrator and shall identify the need for additional authorization via issuance of the next PSA. The Administrator must concur with the Consultant prior to the issuance of the next PSA.
3. The Agreement is lump sum, unit cost, or cost plus fixed fee amount as indicated in this Agreement and may include an Additional Services amount for possible extra work not contemplated in the original scope of work. For the Consultant to receive payment for any work under the Additional Services Amount of this Agreement, said work must be authorized and performed under a PSA issued by the State specifically for the extra work. Should the Sponsor request that the Consultant perform additional services, the scope of work and method of payment will be negotiated. The basis of payment for additional work will be set up either as a Lump Sum or Cost Plus Fixed Fee.

G. PROJECT SCHEDULING

All negotiated agreements shall be accompanied by a critical path method schedule (CPM Schedule). The CPM Schedule will list the work tasks for the Agreement, their duration, negotiated milestones and their completion dates, including State/Local review periods. The format of this schedule shall be agreed on prior to signing the Agreement.

Along with the monthly progress report, the Consultant shall provide monthly CPM Schedule updates to the Agreement Administrator for approval. The CPM schedule shall show project percent completed on each task.

H. MONTHLY PROGRESS REPORT

The Consultant shall submit to the State a monthly progress report on Form ITD-771, as furnished by the State. When no work will be performed for a period of time, this requirement can be waived by written notice from the Agreement Administrator. However, at such time as work re-commences, the monthly progress reports shall resume.

The Consultant shall provide monthly progress schedule (CPM) updates to the Agreement Administrator.

The monthly progress report and schedule update will be submitted by the tenth of each month following the month being reported or as otherwise agreed to in the approved scope of work.

The Agreement Administrator will review the progress report and submit approved invoices for payment within two weeks of receiving the invoice, the associated monthly report and the schedule update.

Each progress report shall list invoices by PSA number and reference milestones.

I. PROGRESS AND FINAL PAYMENTS

1. Progress payments will be made once a month for services performed which qualify for payment under the terms and conditions of the Agreement. Such payment will be made based on invoices submitted by the Consultant in the format required by the State. The monthly invoice shall be submitted no later than the tenth of each month following the month being invoiced.

Lump Sum

Progress payments will be made based on a percentage of the work or milestones satisfactorily completed.

Cost Plus Fixed Fee

The Consultant shall submit a breakdown of costs by each item of work on the monthly invoice, and shall show the percent complete of each item of work, each milestone and percent complete of the entire Agreement. Progress payments will be made based on the invoice cost less the fixed fee for the work satisfactorily completed for each invoicing period. Said payment shall not exceed the percent complete of the entire Agreement. Upon satisfactory completion of each milestone, full payment for all approved work performed for that milestone will be made, including Fixed Fee.

Cost

The Consultant shall submit a breakdown of costs by each item of work on the monthly invoice, and shall show the percent complete of each item of work and percent complete of the entire Agreement. Progress payments will be made based on the invoiced cost for the work satisfactorily completed for each item of work. Said payment shall not exceed the percent complete of the entire Agreement.

Direct expenses will be reimbursed at actual cost, not to exceed the current approved rates as identified at <http://itd.idaho.gov/business/?target=consultant-agreements> .

For “Cost Plus Fixed Fee” and “Cost” agreements, invoices must include backup documentation to support expenditures as appropriate, and as requested by the Agreement Administrator. Such support may consist of copies of time sheets or cost accounting system print-out of employee time, and receipts for direct expenses.

2. The Sponsor will make full payment for the value of the services performed which qualify for payment. This full payment will apply until 95 percent of the work under each Project Agreement PSA or Supplemental Agreement has been completed. No further progress payments will be made until all work under the Agreement has been satisfactorily accomplished and accepted by the Sponsor. If at any time, the Sponsor determines that the work is not progressing in a satisfactory manner, further payments may be suspended or withheld for sums that are deemed appropriate for unsatisfactory services.
3. Final payment of all amounts retained shall be due 60 days after all work under the Agreement has been completed by the Consultant and accepted by the Sponsor. Such final payment will not be made until satisfactory evidence by affidavit is submitted to the State that all indebtedness incurred by the Consultant on this project has been fully satisfied.
4. Agreements which include an incentive/disincentive clause will normally have the clause applied only to the completion of the BID OPENING milestone. If the project is deemed by the Sponsor to be ready for advertisement, but advertisement is postponed at no fault of the Consultant, any incentive earned will be paid.
5. Payments to Subconsultants

The Consultant shall pay each subconsultant for satisfactory performance of its contract items no later than twenty (20) calendar days from receipt of each payment the Consultant receives from the State under this Agreement, in accordance with 49 CFR, Part 26. The Consultant shall return retainage payments to each subconsultant within twenty (20) calendar days after the subconsultant's work is satisfactorily completed. The Consultant will verify that payment or retainage has been released to the subconsultant or suppliers within the specified time for each partial payment or partial acceptance by the Department through entries in the Department's online diversity tracking system during the corresponding monthly audits.

Prompt payment will be monitored and enforced through the Consultant's reporting of monthly payments to its subconsultants and suppliers in the online diversity tracking system. Subconsultants, including lower tier subconsultants, suppliers, or both, will confirm the timeliness and the payment

amounts received utilizing the online diversity tracking system. Discrepancies will be investigated by the Contract Compliance Officer and the Contract Administrator. Payments to the subconsultants, including lower tier subconsultants, and including retainage release after the subconsultant or lower tier subconsultant's work has been accepted, will be reported monthly by the Consultant or the subconsultant.

The Consultant will ensure its subconsultants, including lower tier subconsultants, and suppliers meet these requirements.

J. MISCELLANEOUS PROVISIONS

1. COVENANT AGAINST CONTINGENT FEES

- a. The Consultant warrants that they have not:

Employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any firm or person to solicit or secure this Agreement, other than a bona fide employee of the firm;

agreed, as an expressed or implied condition for obtaining this Agreement, to employ or retain the services of any firm or person in connection with carrying out this Agreement, or;

paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee of the firm) any fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the Agreement.

- b. The Sponsor warrants that the above Consultant or its representative has not been required, directly or indirectly as an expressed or implied condition in connection with obtaining or carrying out this Agreement.

Employ or retain, or agree to employ or retain, any firm or person, or;
pay, or agree to pay to any firm, person or organization, any fee, contribution, donation or consideration of any kind.

2. PROHIBITION AGAINST HIRING PERSONNEL AND WORKING FOR CONTRACTOR

In compliance with the Code of Federal Regulations, (23 CFR, Section 1.33, Conflict of Interest), the Consultant agrees that no one in their employ will work on a part time basis under this Agreement while also in the full-time employ of any Federal Agency, the State, or the Sponsor, without the written consent of the public employer of such person. The Consultant agrees that no one in their employ under any circumstances shall perform any services for the contractor on the construction of this project.

3. CHANGES IN WORK

All changes in work shall conform to one or more of the following conditions and in no instance shall such change in work be undertaken without written order or written approval of the Sponsor.

- a. Increase in the work required by the Sponsor due to unforeseen circumstances.
- b. Revision in the work required by the Sponsor subsequent to acceptance of such work at the appropriate conference or after revision of such work as outlined at said conference.
- c. Items of work which are beyond the scope of intent of this Agreement and pre-approved by the Sponsor.
- d. Reduction in the work required by the Sponsor due to unforeseen circumstances.

An increase in compensation will be considered when Department Design Standards or expectations have changed from the time of negotiation.

Adjustment in compensation for either an increase or reduction in work shall be on a negotiated basis arrived at by mutual agreement between the Sponsor and the Consultant. During such

negotiations the Sponsor may examine the documented payrolls, transportation and subsistence costs paid employees actively engaged in the performance of a similar item or items of work on the project, and by estimated overhead and profit from such similar items or items of work.

Said mutual agreement for a negotiated increase or reduction in compensation shall be determined prior to commencement of operations for an increase in a specific item or items of work. In the case of Sponsor order for nonperformance, a reduction in the specific item or items of work will be made as soon as circumstances permit. In the event that a mutual agreement is not reached in negotiations for an increase in work, the Sponsor will use other methods to perform such item or items of work.

The mutually agreed amount shall be covered by a Supplemental Agreement and shall be added to or subtracted from the total amount of the original Agreement.

Adjustment of time to complete the work as may pertain to an increase or a reduction in the work shall be arrived at by mutual agreement of the Sponsor and the Consultant after study of the change in scope of the work.

4. DELAYS AND EXTENSIONS

Time adjustment may occur when the negotiated scope of work is increased or reduced through mutual agreement of the State and the Consultant.

Extensions of time may be granted for the following reasons:

- a) Delays in major portions of the work caused by excessive time used in processing of submittals, delays caused by the State, or other similar items which are beyond the control of the Consultant.
- b) Additional work ordered in writing by the Sponsor.
- c) Department Design Standards have changed or expectations have changed from the time of negotiation.

5. TERMINATION

The Sponsor may terminate or abandon this Agreement at any time, without further obligation, upon giving notice of termination as hereinafter provided, for any of the following reasons:

- a. Evidence that progress is being delayed consistently below the progress required in the current approved CPM Schedule.
- b. Continued submission of sub-standard work.
- c. Violation of any of the terms or conditions set forth in the Agreement, other than for the reasons set forth in a. and b. above.
- d. At the convenience of the Sponsor.

Prior to giving notice of termination for the reasons set forth in a through c above, the Sponsor shall notify the Consultant in writing of any deficiencies or default in performance of the terms of this Agreement, and Consultant shall have ten (10) days thereafter in which to correct or remedy such default or deficiency. Upon their failure to do so within said ten (10) days, or for the reasons set forth in c above, such notice of termination in writing shall be given by the Sponsor. Upon receipt of said notice the Consultant shall immediately discontinue all work and service unless directed otherwise, and shall transfer all documents pertaining to the work and services covered under this Agreement, to the Sponsor. Upon receipt by the Sponsor of said documents, payment shall be made to Consultant as provided herein for all acceptable work and services.

6. DISPUTES

Should any dispute arise as to performance or abnormal conditions affecting the work, such dispute shall be referred to the Sponsor and the Director of the Idaho Transportation Department or his duly authorized representative(s) for determination.

Such determination shall be final and conclusive unless, within thirty (30) days of receipt of the decision Consultant files for mediation or arbitration. Consultant agrees that any mediation or arbitration hearing shall be conducted in Boise, Idaho. Consultant and Sponsor agree to be bound by the mediation agreement or the decision of the arbitration. Expenses incurred due to the mediation or arbitration will be shared equally by the Consultant and the Sponsor.

7. ACCEPTANCE OF WORK

- a. The Consultant represents that all work submitted shall be in accordance with generally accepted professional practices and shall meet tolerances of accuracy required by State practices and procedures.
- b. Acceptance of work will occur at phases appropriate to the terms of the Agreement and level of detail required by the State in its project development procedures.
- c. It is understood by the Consultant that the Sponsor is relying upon the professional expertise and ability of the Consultant in performance of the Agreement. Any examination of the Consultant's work product by the State/Sponsor will not be considered acceptance or approval of the work product which would relieve the Consultant for any liability or expense. Consultant is solely responsible for the propriety and integrity of its work product.

Acceptance or approval of any portion of Consultant's work product by the Sponsor for payment, partial or final, shall not constitute a waiver of any rights the Sponsor may have against the Consultant. If due to errors, omissions and negligent acts by the Consultant, or its Subconsultants, agents or employees, in its work product, the Consultant shall make corrections to its work product at no expense to the Sponsor. The Consultant shall respond to the Sponsor's notice of any error or omission within twenty-four hours of receipt, and give immediate attention to any corrections to minimize any delay to the construction contract. This may include, if directed by the Sponsor, visits to the site of the work.

If the Consultant discovers errors or omissions in its work product, it shall notify the State within seven days of discovery. Failure of the Consultant to notify the State shall be grounds for termination of the Agreement.

The Consultant's liability for damages incurred by the Sponsor due to negligent acts, errors or omissions by the Consultant in its work product shall be borne by the Consultant. Increased construction costs resulting from errors, omissions or negligence in Consultant's work product shall not be the Consultant's responsibility unless the additional construction costs were the result of gross negligence of the Consultant.

8. OWNERSHIP OF DOCUMENTS

All material acquired or produced by the Consultant in conjunction with the preparation of the plans, study, or report, shall become the property of, and be delivered to, the Sponsor without restrictions or limitations of their further use. Any use of these materials by the Sponsor for purposes other than intended under this agreement shall be at the risk of the Sponsor. The Consultant has the right to make and retain copies of all data and documents for project files. Documents provided to the State may be public records under the Public Records Act §§ 74-101 through 74-126 and Idaho Code §§ 9-338 *et seq.*, and thus subject to public disclosure unless excepted by the laws of the state of Idaho, otherwise ordered by the courts of the state of Idaho, and/or otherwise protected by relevant state and/or federal law.

9. AERIAL PHOTOGRAPHY

After aerial photography has been flown, processed and checked for coverage, the negatives shall be sent to the State at the address indicated on the Agreement for evaluation, labeling, and prints or diapositives as needed by the District and the Consultant. The negatives shall become the property of the State. Along with the negatives, the Consultant shall also deliver the Report of Calibration for the aerial camera used for the aerial photography, the flight maps, and the flight log. Once complete, a copy of the mapping shall be placed on a CD-ROM and sent to the address specified in the Agreement.

10. CADD SPECIFICATIONS

Two copies of all drawings shall be furnished to the Department upon completion of the contract. One copy shall be a durable reproduction of the drawing stamped and signed by the Engineer. An electronic stamp is acceptable, provided it is registered and approved with the Board of Professional Engineers and Land Surveyors. Roadway plans shall be furnished on 11" x 17" sheets. Structures plans shall be furnished on 22" x 34" sheets. The other copy shall be an electronic drawing file in a MicroStation .DGN file format. Electronic files shall be delivered in one of the following:

- a. Placed within ITD's ProjectWise DataSource (See CADD Manual for proper locations for file storage)
- b. Standard CD/DVD-ROM Format

Files shall be developed with MicroStation software, SS4 Version 8.11X or higher; or converted to the MicroStation .DGN file format with all conversion errors corrected prior to delivery. If the consultant elects to convert files from other CADD software to the .DGN format, the consultant may be required at various times during the contract period to provide proof that all conversion errors can be corrected.

Refer to the CADD Manual for a complete set of CADD Standards. The manual is available at the following website: <http://apps.itd.idaho.gov/apps/manuals/manualsonline.html> .

11. GEOTECHNICAL AND MATERIALS WORK

If geotechnical and materials work is required under this Agreement, the Consultant must ensure that any Subconsultant performing geotechnical and materials work be involved in the final design review. This does not mean that the geotechnical and materials Subconsultant must attend the actual final design review meeting, but does mean that the Subconsultant, will at a minimum, participate in the final design plans and proposal review to assure that all geotechnical and materials recommendations/issues it raised concerning the project have been addressed, or notify the Consultant of any outstanding issues.

12. HIGHWAY CONSTRUCTION ESTIMATING PROGRAM

The Idaho Transportation Department has adopted the Trns.Port Estimator™ Highway Construction Cost Estimation software package as the standard for developing all highway construction cost estimates. Consultants who prepare PS&E (Plans, Specifications and Estimate) packages for submittal to ITD are required to use Estimator. Further information is available at the following Web Site: <http://itd.idaho.gov/business/?target=consultant-agreements> .

13. INDEMNITY

- a. Concerning claims of third parties, the Consultant shall indemnify, and hold harmless and defend the Sponsor from any and all damages of and against any and all suits, actions, claims or losses of every kind, nature and description, including costs, expenses and reasonable attorney fees that may be incurred by reason of any negligent act, error or omission of the Consultant in the prosecution of the work which is the subject of this Agreement.
- b. Concerning claims of the Sponsor, the Consultant shall assume the liability and responsibility for negligent acts, errors or omissions caused by the Consultant or a Subconsultant or their agents or employees to the design, preparation of plans and/or specifications, or other assignments completed under this Agreement, to the standards accepted at the time of the Final Design Review, other established review periods.
- c. Notwithstanding any other provision of this Agreement, the Consultant shall not be responsible for claims arising from the willful misconduct or negligent acts, errors, or omissions of the Sponsor for contamination of the project site which pre-exist the date of this Agreement or subsequent Task Authorizations. Pre-existing contamination shall include but not be limited to any contamination or the potential for contamination, or any risk to impairment of health related to the presence of hazardous materials or substances.

14. INSURANCE

The Consultant, certifying it is an independent contractor licensed in the State of Idaho, shall acquire and maintain commercial general liability insurance in the amount of \$1,000,000.00 per occurrence, professional liability insurance in the amount of \$1,000,000.00, and worker compensation insurance in accordance with Idaho Law.

The professional liability insurance coverage shall remain in force and effect for a minimum of one (1) year after acceptance of the construction project by the State (if applicable), otherwise for one (1) year after acceptance of the work by the State.

Regarding workers' compensation insurance, the Consultant must provide either a certificate of workers' compensation insurance issued by an insurance company licensed to write workers' compensation insurance in the State of Idaho as evidence that the Consultant has a current Idaho workers' compensation insurance policy in effect, or an extraterritorial certificate approved by the Idaho Industrial Commission from a state that has a current reciprocity agreement with the Idaho Industrial Commission.

The Consultant shall provide the State with certificates of insurance within ten (10) days of the Notice to Proceed.

15. ENDORSEMENT BY ENGINEER, ARCHITECT, LAND SURVEYOR, AND GEOLOGIST

Where applicable, the Professional Engineer, Architect, Land Surveyor, or Geologist in direct charge of the work or portion of work shall endorse the same. All plans, specifications, cost summaries, and reports shall be endorsed with the registration seal, signature, and date of the Idaho professional in direct charge of the work. In addition, the firm's legal name and address shall be clearly stamped or lettered on the tracing of each sheet of the plans. This endorsement certifies design responsibility in conformance with Idaho Code, ITD's Design Manual, and acceptance of responsibility for all necessary revisions and correction of any errors or omissions in the project plans, specifications and reports relative to the project at no additional cost to the State based on a reasonable understanding of the project at the time of negotiation.

16. LEGAL COMPLIANCE

The Consultant at all times shall, as a professional, observe and comply with all Federal, State and local laws, by-laws, safety laws, and any and all codes, ordinances and regulations affecting the work in any manner and in accordance with the general standard of care. The Consultant agrees that any recourse to legal action pursuant to this agreement shall be brought in the District Court of the State of Idaho, situated in Ada County, Idaho.

17. SUBLETTING

The services to be performed under this Agreement shall not be assigned, sublet, or transferred except by written consent of the Sponsor. Written consent to sublet, transfer or assign any portions of the work shall not be construed to relieve the Consultant of any responsibility for the fulfillment of this Agreement or any portion thereof.

18. PERMITS AND LICENSES

The Consultant shall procure all permits and licenses, pay all charges, fees, and taxes and give all notices necessary and incidental to the due and lawful prosecution of the work.

19. PATENTS AND COPYRIGHTS

The Consultant shall hold and save the Sponsor and its agents harmless from any and all claims for infringement by reason of the use of any patented design, device, material process, trademark, and copyright.

20. NONDISCRIMINATION ASSURANCES

1050.20 Appendix A:

During the performance of work covered by this Agreement, the Consultant for themselves, their assignees and successors in interest agree as follows:

1. **Compliance With Regulations.** The Consultant shall comply with all regulations of the United States Department of Transportation relative to Civil Rights, with specific reference to Title 49 CFR Part 21, Title VI of the Civil Rights Act of 1964 as amended, and Title 23 CFR Part 230 as stated in the ITD EEO Special Provisions and Title 49 CFR Part 26 as stated in the appropriate ITD DBE Special Provisions. <http://apps.itd.idaho.gov/apps/ocr/index.aspx>
2. **Nondiscrimination.** The Consultant, with regard to the work performed by them during the term of this Agreement, shall not in any way discriminate against any employee or applicant for employment; subcontractor or solicitations for subcontract including procurement of materials and equipment; or any other individual or firm providing or proposing services based on race, color, sex, national origin, age, disability, limited English proficiency or economic status.
3. **Solicitations for Subcontracts, Including Procurement of Materials and Equipment.** In all solicitations, either by bidding or negotiation, made by the Consultant for work or services performed under subcontract, including procurement of materials and equipment, each potential subcontractor or supplier shall be made aware by the Consultant of the obligations of this Agreement and to the Civil Rights requirements based on race, color, sex, national origin, age, disability, limited English proficiency or economic status.
4. **Information and Reports.** The Consultant shall provide all information and reports required by regulations and/or directives and sources of information, and their facilities as may be determined by the State or the appropriate Federal Agency. The Consultant will be required to retain all records for a period of three (3) years after the final payment is made under the Agreement.
5. **Sanctions for Noncompliance.** In the event the Consultant or a Subconsultant is in noncompliance with the EEO Special Provisions, the State shall impose such sanctions as it or the appropriate Federal Agency may determine to be appropriate, including, but not limited to:
 - Withholding of payments to the Consultant until they have achieved compliance;
 - Suspension of the agreement, in whole or in part, until the Consultant or Subconsultant is found to be in compliance, with no progress payment being made during this time and no time extension made;
 - Cancellation, termination or suspension of the Agreement, in whole or in part;
 - Assess against the Consultant's final payment on this Agreement or any progress payments on current or future Idaho Federal-aid Projects an administrative remedy by reducing the final payment or future progress payments in an amount equal to 10% of this agreement or \$7,700, whichever is less.
6. **Incorporation of Provisions.** The Consultant will include the provisions of paragraphs 1 through 5 above in every subcontract of \$10,000 or more, to include procurement of materials and leases of equipment unless exempt by the Acts, the Regulations, and directives pursuant thereto. The Consultant will take such action with respect to any subcontract or procurement as the State or the appropriate Federal Agency may direct as a means of enforcing such provisions, including sanctions for noncompliance. Provided, that if the Consultant becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Consultant may request the State to enter into any litigation to protect the interest of the State. In addition, the Consultant may request the United States to enter into the litigation to protect the interests of the United States.

1050.20 Appendix E

During the performance of this contract, the Consultant, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with all non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 4 71, Section 4 7123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U .S.C. 1681 et seq).

21. INSPECTION OF COST RECORDS

The Consultant shall maintain all books, documents, papers, accounting records and other evidence pertaining to costs incurred on the project. They shall make such data available for inspection, and audit, by duly authorized personnel, at reasonable times during the life of this Agreement, and for a period of three (3) years subsequent to date of final payment under this Agreement, unless an audit has been announced or is underway; in that instance, records must be maintained until the audit is completed and any findings have been resolved. Failure to provide access to records may affect payment and may constitute a breach of contract.

22. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

By signing this document the Consultant certifies to the best of his knowledge and belief that except as noted on an attached Exception, the company or its subcontractors, material suppliers, vendors or other lower tier participants on this project:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
- b. have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records making false statements, or receiving stolen property;
- c. are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- d. have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

NOTE: Exceptions will not necessarily result in denial of award, but will be considered in determining Consultant responsibility. For any exception noted, indicate to whom it applies, initiating agency and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

23. CERTIFICATION CONCERNING LOBBYING ACTIVITIES

By signing this document, the Consultant certifies to the best of their knowledge and belief that:

- a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan or cooperative agreement.
- b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

The Consultant also agrees that he or she shall require that the language of this certification shall be included in all lower tier subcontracts, which exceed \$100,000, and that all such sub-recipients shall certify and disclose accordingly.

24. EMPLOYEE ELIGIBILITY

The Consultant warrants and takes the steps to verify that it does not knowingly hire or engage persons not authorized to work in the United States; and that any misrepresentation in this regard or any employment of person not authorized to work in the United States constitutes a material breach and shall be cause for the imposition of monetary penalties up to five percent (5%) of the contract price, per violation, and/or termination of its contract.

**SCOPE OF WORK
(REV 10/18/2023)**

**Science Center Drive
N Boulevard to Holmes Ave
City of Idaho Falls**

**Project No. A022(008)
Key No. 22008**

October 2023

INDEX

SECTION 100 – GENERAL PROVISIONS.....	1
SECTION 101 – GENERAL	1
101.01 General	1
101.02 Implied Terms	1
101.03 Software and Formats	1
101.04 Documents.....	2
101.05 Definitions and Acronyms.....	2
SECTION 110 – ADMINISTRATION	4
110.01 Administration	4
110.02 Project Initiation	4
110.03 Monthly Progress Meetings.....	4
110.04 Project Schedule	4
110.05 Progress Reports and Invoicing	5
SECTION 200 – DESIGN	5
SECTION 201 – GENERAL	5
201.01 General	5
201.02 Standards.....	5
201.03 References	6
201.04 Data Available from owner	6
201.05 Documentation.....	6
201.06 Contacts.....	6
SECTION 210 – CONCEPT DEVELOPMENT AND CHARTER UPDATE.....	6
210.01 Project Specifics	6
210.02 Concept Scoping	6
210.03 Concept Purpose & Need Report	7
210.04 Design Standards.....	7
210.05 Alternate Solutions	8
210.06 Additional Design Elements.....	8
210.07 Design Exceptions.....	9
210.08 Draft Concept/Charter Report	9
210.09 Final Concept/Charter Report.....	10
SECTION 220 – PRELIMINARY DESIGN.....	10
220.01 General	10
220.02 Project Specifics	10
220.03 Preliminary Traffic Study	10
220.04 Preliminary Roadway Design.....	10
220.05 Preliminary Drainage Design	11
220.06 Drainage Study Report(s)	11
220.07 Preliminary Traffic Control Plans.	11
220.08 Preliminary Pavement Marking Design and Layout.	11
220.09 Preliminary Signing Design and Layout.	11
220.10 Preliminary Traffic Signal Design and Illumination Design Layout.....	11
220.11 Preliminary Project Plans.....	11
220.12 Preliminary Utility Coordination	12
220.13 Preliminary Estimate of Cost	13
220.14 Preliminary Design Review	13
220.15 Design Study Report	14
SECTION 230 – FINAL DESIGN	14
230.01 General.....	14

230.02 Project Specifics	14
230.03 Final Roadway Design	14
230.04 Drainage Design	14
230.05 Roadside Design	15
230.06 Final Structure Design.....	15
230.07 Final Traffic Control Plans.....	15
230.08 Final Pavement Marking Design and Layout.....	15
230.09 Final Signing Design and Layout.....	15
230.10 Final Traffic Signal Design and Illumination Design Layout.....	15
230.11 Final Roadway Plans.....	15
230.12 ESCP/SWPPP Plan	16
230.13 Final Utility Coordination.....	17
230.14 Final Estimate of Cost	17
230.15 Specifications.....	17
230.16 Construction Staging Plan	18
230.17 Contract Time Determination.....	18
230.18 Road Closure & Maintenance Agreement Exhibit	18
230.19 Final Design Review.....	18
230.20 Final Design Review Revisions	19
SECTION 240 – PLANS, SPECIFICATIONS & ESTIMATE (PS&E)	19
240.01 General	19
240.02 Project Specifics	19
240.03 Quality Control Check	19
240.04 Draft PS&E Package.....	19
240.05 Final PS&E Package	20
240.06 PS&E Package Revisions/Updates	20
240.07 Contract Bidding & Letting Support.....	20
SECTION 300 – STRUCTURES	20
SECTION 301 – GENERAL	20
301.01 General	21
SECTION 400 – TRAFFIC.....	21
SECTION 401 – GENERAL	21
401.01 General	21
401.02 Traffic Data.....	21
401.03 Traffic Analysis.	22
SECTION 500 – LOCATION SURVEYING, BOUNDARY SURVEY & MAPPING	22
500.01 Project Reconnaissance.....	23
500.02 Right of Entry.....	23
500.03 Administration of Survey and Survey Crew.....	23
500.04 Topographic Survey.....	23
500.05 Boundary Survey.....	23
500.06 Record of Survey	23
SECTION 600 – MATERIALS	23
600.01 General	24
600.02 Reconnaissance and Advance Preparations	24
600.03 Laboratory Testing	25
600.04 Data Development and Analyses.....	25
600.05 Reporting	25
600.06 Administration	25
600.07 Key Understandings.....	25

SECTION 700 – ENVIRONMENTAL..... 26

SECTION 701 – GENERAL 26

701.01 General 26

710.01 Cultural Resources 26

710.02 Hazardous Materials 28

720.01 ITD Form 654: Categorical Exclusion 28

SECTION 800 – RIGHT-OF-WAY..... 29

SECTION 900 – PUBLIC INVOLVEMENT 29

SECTION 901 – GENERAL 29

901.01 General. 29

901.02 Adjacent Property Owner Outreach. 29

901.03 Public Open Houses. 30

SECTION 1000 – CONSTRUCTION SUPPORT 30

SECTION 1001 – GENERAL 30

1001.01 General 31

Section 100 – GENERAL PROVISIONS

Section 101 – General

101.01 General. The following is a Scope of Work to perform Professional Engineering, Planning, Materials Reports and Survey services, as necessary, to complete a PS&E design package for the **Science Center Drive, N Boulevard to Holmes Avenue** project. This project is located in City of Idaho Falls, Idaho between US-20 and US-20 Business.

The consultant team is made up of two consulting companies.

Horrocks Engineers: Survey, Roadway Design, Traffic Control, Signals, Project Management, Environmental Documentation.

Shannon and Wilson: Materials Reports, Pavement Design

It is anticipated some right-of-way will be required for this project; however, the City will acquire all necessary right-of-way. Any right-of-way work performed by the consultant will be completed under a supplemental agreement.

101.02 Implied Terms. In order to avoid confusing repetition of expressions in this Scope of Work, it is provided that whenever anything is to be required, directed, specified, authorized, furnished, given, designated, permitted, reserved, approved, disapproved, accepted, or rejected, it shall be understood as if the expression were followed by the words “by the Agreement Administrator” or “to the Agreement Administrator.”

Whenever anything is to be performed, designed, computed, calculated, analyzed, determined, evaluated, surveyed, obtained, established, contacted, estimated, investigated, prepared, developed, delivered, collected, and/or recorded it, shall be understood as if the expression were followed by the words “by the Consultant” or “to the Consultant.”

101.03 Software and Formats. The following software and formats shall be utilized for the prosecution of work and documents as applicable.

- Adobe Acrobat or BlueBeam, Current version or as approved
Format:
PDF – PDF’s of all primary submittals
- MicroStation, current ITD version or as approved for CADD drawing files
Format:
DGN - 3D Drawing File
- InRoads ORD, current ITD version or as approved
- ESRI ArcMap or ArcPro
Format:
SHP Shapefiles or geodata base
Projection:
City of Idaho Falls or project key number 20065.

- MS Excel for spreadsheets

Format:

XLS - Workbook File

- MS Word for word processing

Format:

DOC - Document File

- MS Project for scheduling

Format:

MPP - Schedule File

PDF – An updated PDF file will be provided as requested

101.04 Documents. All documents shall be submitted via electronic formats, unless otherwise noted or approved. Electronic documents will be submitted in their native format or Adobe Acrobat PDF format as directed or approved.

Comments, revisions, corrections, etc. to submitted documents, reports, plans, etc., shall be tracked on a Review Comment Sheet and will be added to the matrix by the Engineering Consultant. The Consultant and LHTAC/City PM shall fully and clearly complete the “Response Column” as required.

Documents shall be accepted and/or approved at the discretion of LHTAC/City at the time of submittal. The consultant shall be responsible for coordination with LHTAC/City to determine document format and acceptability at the time the document is prepared and/or submitted. Submitted documents that do not meet these requirements for acceptability and/or approval will be returned to the consultant with or without comment. Changes or revisions to documents due to the failure by the Consultant to meet general requirements regarding document preparation, content, format, grammar, spelling, etc. shall be completed at the expense of the consultant.

Documents shall be filed on the ITD ProjectWise server in the LHTAC project folder and according to the ITD filing protocols. Deliverables will be accomplished by submittal via ProjectWise.

101.05 Definitions and Acronyms.

ADT. Average Daily Traffic count

Agreement Administrator. As defined in Attachment No. 2 – Consultant Agreement Specifications. Unless otherwise specified, the Agreement Administrator is the Project Manager.

CatEx. Categorical Exclusion

Consultant. Prime Consultant or Sub-Consultant.

DHV. Design Hourly traffic Volume

Deliverables. Plans, specifications, estimates, reports, etc.

CPM. Critical Path Method Schedule.

EE. Environmental Evaluation document

Fixed Fee. As defined in Attachment No. 2 – Consultant Agreement Specifications.

Holidays. In the state of Idaho, holidays occur on: New Year’s Day, Martin Luther King Jr./Idaho Human Rights Day, President’s Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran’s Day, Thanksgiving Day, and Christmas Day, or on any day proclaimed as a holiday by legal authority.

GIS. Geographic Information System

ITD. Idaho Transportation Department

USACE. United Army Corps of Engineers

FHWA. Federal Highway Administration

Milestone(s). As defined in Attachment No. 2 – Consultant Agreement Specifications.

NEPA. National Environmental Protection Act

PA. Professional Agreement. This is a written agreement or contract between ITD and the Prime Consultant.

PSA. Professional Services Authorization (ITD_2761). As defined in Attachment No. 2 – Consultant Agreement Specifications.

PS&E. Plans, Specifications and Estimate

Prime Consultant. The individual, partnership, firm, or corporation contracting with the Idaho Transportation Department, for the performance of work prescribed in the contract.

Project Manager. (Also abbreviated as “PM”). The primary ITD point of contact for the projects. Unless otherwise specified, the Project Manager is the Agreement Administrator.

Project Schedule. Critical Path Method Schedule.

Project Team. Prime Consultant, Sub-Consultant(s), ITD personnel, and other local and/or agency personnel directly involved in the project.

SHPO. State Historic Preservation Office

Sub-Consultant. To whom the Prime Consultant sublets part(s) of the required work as defined in the Professional Agreement.

SOW. Scope of Work. Consists of Special and Standard Scope of Work.

3D. Three Dimensional (X,Y,Z)

DGN. Microstation Drawing File Format

ALG. Inroads Geometry File Format

DTM. Inroads Digital Terrain Model (Surface) File Format

ITL. Inroads Template (Typical Section) File Format

Section 110 – Administration

110.01 Administration. The Consultant will perform the work necessary to work with LHTAC/City.

110.02 Project Initiation. The Consultant will initiate the project including setting up project files, preparing budgets and schedules.

110.03 Monthly Progress Meetings. Plan, organize and direct regularly scheduled progress meetings either at the ITD District 6 or Horrocks Engineering offices in Idaho Falls, Idaho or via on-line meetings approximately twice a month throughout the duration of the project. The project is expected to last approximately 18 months. Provide an electronic copy of minutes and action items no later than three business days after each meeting. Review and approval of minutes and action items shall be completed no later than the next scheduled meeting.

Minimum Deliverables:

- Draft Meeting Minutes (Electronic copy)
- Final Meeting Minutes (Electronic copy)

110.04 Project Schedule. Prepare and provide an Initial CPM Schedule Report and Monthly CPM Schedule Progress Reports. Unless otherwise specified, the CPM Schedule shall be in MS Project file format.

The initial project schedule shall be coordinated with and approved by the LHTAC/City PM. Activity durations should be based upon realistic anticipated times and should not be confused with the amount of “work” required. All activity durations must be established, including concurrence from the responsible party. Original durations, approved changes, and progress shall be documented in the “notes” field for each activity.

All schedules shall satisfy this scope of work (SOW) milestones and expected completion dates.

A. Project Tracking Gantt Chart. The Project Tracking Gantt Chart shall include the following fields; ID, SSOW number, activity name, % complete, remaining duration, start date, finish date, actual start and actual finish and the time-scaled diagram. Critical & Milestone (including True Minimum Milestones) activities shall be highlighted in “red” and “blue” colors respectively.

The Tracking Gantt Chart shall be printed on 11” x 17” paper at an appropriate scale and number of pages to produce a document that is easy to read yet minimizes the number of pages, or as approved by the PM.

B. Initial CPM Tracking Gantt Chart. Prepare and submit an initial schedule immediately after the Notice to Proceed (NTP). The submittal shall include the Project Tracking Gantt Chart.

C. Periodic CPM Progress Tracking Gantt Chart. Prepare and submit Periodic CPM Project Gantt Chart. Periodic Schedule updates will be submitted at the monthly project meetings and/or with payment requests.

Minimum Deliverables:

- Initial CPM Schedule Report
 - Project Gantt Chart (Adobe Acrobat “pdf” file)
- Periodic CPM Schedule Progress Reports
 - Project Gantt Chart (Adobe Acrobat “pdf” file)

110.05 Progress Reports and Invoicing. Progress reports and invoices shall be completed and submitted as defined in the Professional Agreement and/or herein. The current ITD-771 form shall be used with each submittal.

Invoices shall include backup documentation for all labor and direct expenses noted and shall be in the current format as recommended by LHTAC or required. The breakdown of labor and/or costs per each item of work shall be as required or mutually agreed to by the Prime Consultant and PM. Description of work performed by each individual working on the project and a completed ITD 2892 (Certification of Payment) shall be included with each invoice if required.

Progress reports shall summarize all work completed by the Prime Consultant and any Sub-Consultant(s) and shall include the total % of work completed and the % of work completed for each active activity.

Each progress report shall include a copy of the current updated Project Scheduled as defined in Section 110.04.

Minimum Deliverables:

- Monthly Progress Reports (ITD-771)
- Certification of Payment (ITD-2892)
- Invoices
- CPM

SECTION 200 – DESIGN

Section 201 – General

201.01 General. The Consultant shall furnish all services, including but not limited to, the engineering design & drafting, labor and materials necessary to conduct and complete the work as defined or directed in this Scope of Work.

201.02 Standards. All work under this section shall conform to accepted engineering practices, ITD standards and manuals, Idaho State Code and Administrative Policy, and any FHWA standards as applicable.

201.03 References. In general, all accepted manuals relating to transportation design and this project will be used, as applicable. Unless otherwise directed, all applicable standards and procedures shall apply.

201.04 Data Available from owner. The following data may be available from the City, LHTAC, or ITD:

- As-built plan sheets
- Digital Terrain Models
- Aerial photographs
- Traffic existing volumes (Current traffic counts will be included in this scope of work.)
- Design year traffic volumes
- Accident history and base rate
- Right-of-Way information from As-Built plans if available

201.05 Documentation. Minutes for all meetings and phone conversations shall be prepared and submitted to the PM within 3 working days. The man-hours for documentation shall be included in the man-hours for the activity that the meeting or contact is relative to.

201.06 Contacts. The Prime Consultant will coordinate with the PM to determine which contacts the Prime or Sub Consultant should contact independently, and which should include the LHTAC PM.

Section 210 – Concept Development and Charter Update

210.01 Project Specifics. A concept report shall be developed for the project according to LHTAC/City guidelines and standards.

210.02 Concept Scoping. Determine the project study area and potential issues in cooperation with ITD. Coordinate with environmental and public involvement scoping, as necessary. Concept scoping and purpose and need report(s) and deliverables will be completed and submitted as part of the Draft Concept Report and the project Charter.

- A. Project Study Area.** Produce a map (CADD) with an aerial photo background showing the outline of the project study area for use by the project team in initial concept and environmental work. Identify and label all pertinent features. Revise the map as necessary after completing the Concept Scoping field review and initial contacts.
- B. Field Review.** Coordinate, schedule, and attend a field review. Prepare field review minutes including who is responsible for any actions to be taken as well as a date by which the action is to be completed.
- C. Initial Contacts.** Identify & meet with agency stakeholders (cities, counties, highway districts, regional planning agencies, boards, commissions, etc.) that may have an interest in the project. Meet with local entity staff to discuss project features and issues. Summarize agency concerns and /or recommendations.
- D. Concept Scoping Report.** Complete the ITD-332. A substitute memo or report may be used as approved. Prepare additional documentation if necessary or as directed. Provide site

specific photographs of pertinent project features. Complete all revisions as requested or directed.

Minimum Deliverables: (Electronic submittals sent through LHTAC/City)

- Project Study Area Map
- Preliminary Project Concept Report
- Field Review Minutes
- Conceptual Environmental Evaluation
- Site photographs
- Summary Reports for each contact

210.03 Concept Purpose & Need Report. Prepare the Purpose & Need descriptions, a Project Description and the Project Termini/Limits in consultation with LHTAC/City. The Concept Purpose & Need Report shall be approved by LHTAC/City. Preparation and approval(s) shall be coordinated with the PM and Environmental Planner. Exhibit(s) shall be prepared and included if required or as directed. Revisions shall be completed as required. Concept scoping and purpose and need report(s) and deliverables will be completed and submitted as part of the Draft Concept Report.

- A. Purpose & Need.** Prepare the Purpose & Need descriptions based upon the conceptual project scoping. The descriptions should be concise and easily understood. The primary “purpose” for the project should be specifically identified and other relative “purposes” identified.
- B. Project Description.** Prepare a project description for use on project documents, reports, etc. The description will summarize the location, purpose, and anticipated construction elements. It will also note if additional Right-of-Way will be required and/or any other unique elements of the projects.
- C. Project Termini/Limits.** Document the project termini or limits by major cross roads/intersections, Mile Posts, Stations or Study Area as applicable.
- D. Purpose & Need Report.** Assemble the Project Purpose & Need, Project Description, and Project Termini/Limits into a concise report including the following; Cover sheet, the Conceptual Purpose & Need descriptions, Project Description, and Project Termini statement. Signature approval sheet or lines shall be included as applicable and/or directed.

210.04 Design Standards. Identify and document the project design standards as required or directed.

- A. Concept Narrative.** Prepare and submit a Concept Narrative that addresses the following items:
- Location
 - Purpose and Need (As detailed in Section 210.03)
 - Proposed Improvements (General)
 - Controlling Features
 - Local Contacts / Public Involvement
 - Other (as required)
- B. Design Standards.** Complete in the project charter.

C. Additional Design Standards. Document applicable design standards in the project charter. As a minimum the following shall be provided as applicable:

- Minimum lane and shoulder width
- Minimum horizontal and vertical curves
- Intersection and Stopping Sight distances.
- Intersection design guidelines from the AASHTO Green Book as well as the latest MUTCD will be used.

D. Typical Section. Design and draft proposed typical sections. Show existing, milling, and pavement depths based on the Phase I, II, III combined (see attached SOW) Materials report. Identify Clear Zone & Right-of-Way requirements. Include typical sections for local roads and approaches, as applicable.

E. Design Standard Approval. Assemble all required information or documents and submit for review.

Minimum Deliverables:

- Project Concept Narrative
- Attachments as required
- Additional Design Standards Document
- Typical Section(s)

210.05 Alternate Solutions. Complete conceptual alignment design for all alternative solutions, prepare conceptual plan & profile sheets and complete the ITD-758 Alternate Solutions & Costs form.

A. Alternate Design Geometrics. Develop proposed conceptual design and typical section geometrics for two alternatives as well as replace-in-kind. Design standards shall be met and environmental impacts minimized. Establish the area of impact, including the toe of cut and/or fill, by modeling each alignment. Determine conceptual excavation and fill quantities. Prepare conceptual roll plot with horizontal & vertical alignments including curve data.

B. Alternate Solutions. Compare impacts and costs of alternatives. Assume a minimum of two alternatives plus a replace-in-kind unless otherwise directed. Determine Right-of-Way impacts and document total acres of right-of-way impacted by type, impacted parcels, relocations, and significant impacts to each property. Include identified environmental impacts. Determine estimated quantities and costs. Determine traffic management impacts.

C. Minimum Deliverables.

- Conceptual Typical section, roll plot and impact exhibit for each alternative.

210.06 Additional Design Elements. Prepare and submit a brief summary documenting the existing conditions, impacted features, anticipated needs and/or proposed conditions of the following elements as applicable.

A. Roadside Features. Discuss landscaping, fencing, etc.

B. Earthwork. Discuss anticipated earthwork issues, excess material, fill requirements, etc.

- C. Safety Features.** Discuss traffic barriers, roadside hazards, warrants for traffic barriers, and proposed improvements.
- D. Right-of-Way.** Summarize existing ROW and determine the extent of new right of way necessary to complete the project.
- E. Removals.** Note any major anticipated removal or demolition.
- F. Intersections, Access and Approaches.** Summarize impacts to public road, private and commercial approaches. Determine access control issues.
- G. Utilities.** Complete all activities per the Guide for Utility Management - Identify Utilities located, review existing utility permits, and verify facility locations by a field survey within the project limits.
- H. Erosion Control.** Note any potential erosion and/or sediment or other pollution issues.
- I. Constructability.** Document any anticipated constructability issues.
- J. Traffic Management Plan.** Determine the effect of construction on the work force, the traveling public, property owners, pedestrians, etc. Highlight events and holiday traffic issues. Propose appropriate construction traffic-handling practices such as lane closures, detours, and work-hour restrictions to minimize delays and to maximize the safety of both the workers and the public.
- If appropriate, develop means for mitigating construction effects using traffic rerouting to local roads.
- K. Drainage.** Identify hydraulic features such as canals, cross-drains, culverts, siphons, embankment protection, retention/detention ponds, and open channels, feasible stormwater disposal improvements. Currently most of the water drains into the roadside storm sewer facilities. It is anticipated that curb and gutter will be included or retained in the project to collect stormwater and to define the intersection. Collected water will likely be conveyed using the City's existing storm sewer system.

Identify irrigation facilities and potential impacts.

- L. Structures.** Determine whether structures can accommodate additional dead load (overlay). Recommend options such as grind, membrane, overlay, etc.

210.07 Design Exceptions. It is assumed no design exceptions will be necessary for this project.

210.08 Draft Concept/Charter Report. Prepare the Draft Concept/Charter Report and submit for review. Two reviews and revisions shall be assumed.

Minimum Deliverables:

- Draft Concept Report including the following (as needed):
 - Vicinity Sketch
 - Narrative
 - Conceptual Typical Sections

- Concept level cost estimates for each alternate.
- Conceptual roll plot
- Approved Phase I Materials Report and Life Cycle Cost Analysis
- Approved Conceptual Environmental Evaluation
- Safety Analysis, if applicable
- Update the Charter and complete applicable sections.

210.09 Final Concept/Charter Report. Prepare and submit the Final Concept/Charter Report for approval. Document all LHTAC/City comments on the review form(s) including responses to all comments. Revise documents as needed per the final LHTAC/City review.

Minimum Deliverables:

- Final Concept Report including the following revised sections (as needed):
 - Vicinity Sketch
 - Narrative
 - Typical Sections
 - Concept level cost estimates for each alternate.
 - Conceptual roll plot
 - Approved Phase I Materials Report and Life Cycle Cost Analysis (according to new materials manual guidelines)
 - Approved Conceptual Environmental Evaluation
 - Safety Analysis, if applicable
 - Completed Review Comment Form(s)
 - Finalize the Charter and complete applicable sections.

Section 220 – Preliminary Design

220.01 General. Perform the engineering services as necessary to complete the Preliminary Design as defined herein or as directed. Coordination meetings will be held as deemed appropriate by the LHTAC/City PM.

220.02 Project Specifics. Preliminary design shall be developed for the project according to ITD guidelines and standards for the **Science Center Drive, N. Boulevard to Holmes Ave.** project.

220.03 Preliminary Traffic Study. See Task 400.

220.04 Preliminary Roadway Design. Complete the Preliminary Roadway Design as required. It is anticipated that the preferred alternative from the concept report will consist of replacing the traffic signal in-kind, with only minor changes to ADA facilities, and pavement rehabilitation within the limits of the project. Major changes to the road configuration and geometry will require a supplemental agreement.

A. Roadway Design. Complete the preliminary design for all horizontal & vertical alignments (curb and gutter is anticipated near the North Boulevard intersection), preliminary modeling for earthwork quantities, and other related roadway design features as required. Provisions to protect all land monuments, right-of-way pins, reference points, and control points will be included. In cases where permanent pins or monuments are anticipated to be destroyed, by construction

activities, provisions for their replacement will be incorporated in compliance with the State of Idaho. The limits of construction are anticipated as shown in the attached figure. Limits of construction will be determined by the traffic analysis and concept report. Minor changes to curb and gutter, sidewalks, storm drainage, stormwater retention and detention are anticipated for this project.

B. Roadside Design. Complete the preliminary design for all roadside features such as slope flattening, retaining walls, etc. Show & label all features on the plan & profile sheets. It is assumed that all pedestrian facilities will be upgraded, if needed, to meet current version of all accessibility design requirements. This will include curb ramps, sidewalks, driveway curb cuts, and push button locations. It is assumed that the existing ROW is sufficient to upgrade the pedestrian facilities. Any ROW/Survey work required to acquire additional ROW for pedestrian facilities will be completed by the City or covered by a supplemental agreement.

C. Roadside Hazard Analysis. Analyze roadside safety features and guardrail warrants.

220.05 Preliminary Drainage Design. No Drainage design is anticipated for this project, Drainage facilities are anticipated to remain in place or have slight adjustment and will be connected to the existing City Storm Sewer System.

220.06 Drainage Study Report(s). No Drainage Study or Report will be anticipated for this project.

220.07 Preliminary Traffic Control Plans. Consultant team will design and prepare preliminary traffic control. Preliminary design will detail anticipated construction phases required to maintain traffic during construction. The plan will briefly include anticipated stages of construction and the need for temporary closures and corresponding detours. Details will not be prepared at this stage of design.

220.08 Preliminary Pavement Marking Design and Layout. Consultant team will design and prepare preliminary pavement marking layout. Preliminary design will detail new pavement markings required. It is anticipated the delineation will be included on the pavement marking plans.

220.09 Preliminary Signing Design and Layout. Consultant team will design and prepare preliminary signing design and layout. Final design will show new traffic sign locations. Post lengths and foundations will not be determined at this stage.

220.10 Preliminary Traffic Signal Design and Illumination Design Layout. Consultant team will design and prepare preliminary traffic signal design and layout. Preliminary design will propose signal poles and desired locations. Existing Illumination will be retained and protected, however, new light fixtures will be included with the signal design. No analysis will be done at preliminary design.

220.11 Preliminary Project Plans. Complete all work necessary to prepare the following preliminary project plans as required or as directed according to ITD specifications and requirements.

A. Title Sheet. (1 Sheet)

B. Vicinity Map. (1 Sheet)

C. Total Ownership Map (1 Sheet)

- D. Typical Sections.** (3 Sheets, Existing, Proposed, Intersections)
- E. Roadway Plan Sheets.** (2 sheets at 40 Scale)
- F. Roadway Profile Sheets.** (4 sheets at 40 Scale)
- G. Roadway Detail Sheet(s).** (2 Sheets as Deemed Necessary; Approach Details are likely needed)
- H. Removal Sheets.** (to be on the plan and profile sheets)
- I. ROW Plans** (No ROW Plans will be completed by the consultant for this project)
- J. Drainage/Irrigation Plan Sheets.** (4 sheets at 40 Scale)
- K. Signing & Pavement Marking Plan Sheets.** (5 sheets at 40 Scale)
- L. Sign/Pavement Marking Detail Sheet(s).** (2 Sheets, Signs & Intersections as Deemed Necessary)
- M. Traffic Signal Plans.** (12 Plan/Materials/Detail Sheets)
- N. Traffic Control Plan Sheets.** Assume that the project will be constructed in 2 stages. (10 sheets at 40 Scale and 2 detail sheets. No phasing plans will be included in the project)
- O. Utility Plan Sheets.** (2 sheets at 40 Scale)
- P. As Directed Sheets.** (3 additional sheets have been added as “as directed” sheets to be included.)

220.12 Preliminary Utility Coordination. Complete all activities per the Guide for Utility Management - Section 420.00 – Preliminary Design of Project. Includes preparation of initial submittal of two utility plan sets and initial contact letter to utilities (for identification and/or verification and request for information & documents), field inspections with all utilities, receipt and assembly of all related information & documents, identification of all utility facilities to be relocated and/or retained & at whose expense, cost estimates for facilities to be relocated at State expense and preparation of preliminary utility plans.

As a minimum, the preliminary utility plans shall show all facilities to be relocated, adjusted and/or retained including at whose expense and any identified constraints.

- A. Initial Utility Contact Letter and Plan Submittal.** Prepare & submit an initial contact letter to all identified utilities. The team will also meet in person with a representative from the utility company. One meeting with the project manager for the initial contact is anticipated for each utility. Prepare vicinity sketch and/or initial utility plans as needed or directed. Document all conversations, telephone calls, etc.
- B. Field Inspections.** Coordinate and attend Field Inspections with all utilities. Prepare and submit a field inspection report to document all information, discussions, and decisions during the field inspection.

C. Utility Relocations/Adjustments. Adjust Utility plan notes and details according to information received from utilities from Field Inspections or ensuing coordination.

D. Utility Information. Assemble all information received. Follow up as needed to ensure that all related information is provided by all utilities. Update Preliminary Utility Plans as needed. Prepare Preliminary Cost Estimate, if needed.

Minimum Deliverables:

- Copies of Utility submittal letters
- Initial Utility Plans, if required
- Field Inspection Report(s)
- Copies of all related information and documents received from the Utilities
- Preliminary Estimates of Cost, as needed
- Preliminary Utility Plans 2 sheets at 40 Scale

220.13 Preliminary Estimate of Cost. Prepare and submit a preliminary estimate of cost for the proposed construction of the project. The estimate shall be in ITD's current cost estimate format unless otherwise directed or approved.

Minimum Deliverables:

- Preliminary Estimate of Cost

220.14 Preliminary Design Review.

Prepare and submit preliminary design review package. Task includes QC/QA before submittal by the consultant team. It is anticipated that plans will be delivered digitally in PDF format. Attend the preliminary design review and record & prepare minutes. Prepare post-review report or letter to summarize significant comments and all decisions.

Minimum Deliverables (as applicable):

- Title Sheet
- Vicinity Map
- Project Control Sheet
- Total Ownership Map, & Special Maps
- Typical Sections
- Plan & Profile Sheets
- Roadway Detail Sheets
- Removal Sheets
- Preliminary Utility Plans
- Preliminary ROW Plans
- Preliminary Drainage Plans
- Preliminary Pavement Marking/Signing Plans 5 sheets at 40 Scale
- Preliminary Traffic Signal Plans
- Preliminary Traffic Control Plans 3 Roll Plots
- Utility Plans Sheets
- As Directed Sheets
- Preliminary Estimate of Cost

Assumptions

- Two (2) week LHTAC/City review period.
- The Preliminary Design Review Meeting will be a maximum of four (4) hours.
- Blue Beam software will be utilized.
- Four (4) representatives from Horrocks Engineers will attend the review meeting.

No Bid Items or completed summary sheets will be included in the Preliminary Design Package

220.15 Design Study Report.

A Design Study Report will not be required for this project. A standard memo will be drafted that will clear the projects design approval, waiver of public hearing, and certify the location.

Minimum Deliverables:

- Draft Design Approval and Waiver of public Hearing

Section 230 – Final Design

230.01 General. Perform the engineering services as necessary to complete the Final Design as defined herein or as directed.

230.02 Project Specifics. Final design shall be developed for the project according to AASHTO, ITD, City, and FHWA guidelines and standards for the **Science Center Drive, N. Boulevard to Holmes Ave.** project. Although the team will analyze a roundabout concept and an alternative intersection concept, it is anticipated that the configuration of the intersection will be for a standard 8 phase traffic signal and the pavement rehabilitation will consist of a Mill and Overlay. ADA features will be addressed if needed.

230.03 Final Roadway Design. Complete the final roadway design including final plan sheets as needed. Complete the final design for all horizontal & vertical alignments, final modeling for earthwork quantities, and other related roadway design features as required. The design shall follow the most current roadside design and clear zone standards.

230.04 Drainage Design. Complete all drainage related design and prepare plan sheets as needed.

A. Culvert(s) and/or Siphon(s). It is assumed that no Culverts or Siphons are located on this project. Any that exist within the project limits will be retained and protected.

B. Sanitary Sewer(s). It is assumed no Sanitary Sewer design will be required.

C. Embankment Protectors. Complete all design for Embankment Protectors (embankment protection at pipe ends, inlet/outlet protection) as required or directed. Include details on plans/profile and/or other detail sheets as needed.

D. Retention/Detention Facilities. It is assumed that no retention or detention facility will be required for this project. All drainage and storm sewer systems will be conveyed to the existing city system.

E. Minor Structures. It is assumed that no minor structures will be required for this project

F. Miscellaneous Drainage Features. Complete all design for other miscellaneous drainage features as required or directed. Include details on plans/profile and/or other detail sheets as needed.

Minimum Deliverables (as needed):

- Plan & Profile Sheet details
- Minor Structure Plans
- Pipe Summaries
- Other plan and/or detail sheets as needed
- Approval Letters/Documentation as required or directed

230.05 Roadside Design. Complete design for all related roadside design. May include specific parcel details, approaches/access details, approach plan & profile design, landscaping or seeding, fencing, guardrail, etc. Include applicable design features on plan & profile sheets. Prepare specific plan, profile and detail sheets as required.

Minimum Deliverables (as required by ITD Design Manual and submitted on a project design CD):

- Plan & Profile Sheet details
- Approach plan and/or profile sheets
- Landscape or seeding details
- Fencing details
- Guardrail plans, including details

230.06 Final Structure Design. No structural design, aside from sign and traffic signal foundations are anticipated. Typical standard detail signs and signal pole foundations are anticipated.

230.07 Final Traffic Control Plans. Consultant team will design and prepare final traffic control and construction staging plans. Design will detail anticipated construction phases required to maintain traffic during construction. The plan will include anticipated stages of construction and the need for temporary closures. Detailed plans will be prepared at this stage of design.

230.08 Final Pavement Marking Design and Layout. Consultant team will design and prepare the final pavement marking layout. Final design will detail new pavement markings required.

230.09 Final Signing Design and Layout. Consultant team will design and prepare final traffic control and construction staging plans. Design will detail new signs required and show new traffic sign pole locations. Pole lengths and foundations will be determined at this stage.

230.10 Final Traffic Signal Design and Illumination Design Layout. Consultant team will design and prepare final traffic signal design and layout. The final design will include signal poles at desired locations, conduit layout, wiring diagrams, and other details as required. Coordination with utility plans for power and potential conflicts will be required.

230.11 Final Roadway Plans. Complete all work necessary to prepare final roadway plans as required.

- A. Title Sheet.** (1 Sheet)
- B. Vicinity Map.** (1 Sheet)
- C. Total Ownership Map** (1 sheet)
- D. Project Clearance Summary.** (1 Sheet)
- E. Typical Sections.** (3 Sheets, Existing, Proposed)
- F. Roadway Summaries.** (2 Sheets)
- G. Drainage/Irrigation Pipe Summaries.** (1 Sheet)
- H. Roadway Plan/Profile Sheets.** (6 sheets at 40 Scale)
- I. Roadway Detail Sheet(s).** (1 Sheet)
- J. Removal Sheets.** shown on roadway plans
- K. Utility Plans** (2 sheets)
- L. ROW Plans** (No ROW Plans will be completed by the consultant for this project)
- M. Drainage/Irrigation Plan Sheets.** (4 sheets at 40 Scale)
- N. Signing Erection Specification Sheet(s).** (1 Sheet)
- O. Signing & Pavement Marking Plan Sheets.** (5 sheets at 40 Scale)
- P. Sign/Pavement Marking Detail Sheet(s).** (2 Sheets)
- Q. Traffic Signal Plan Sheets** (12 Plan/Detail Sheets (including standard detail sheets))
- R. Traffic Control Plan Sheets.** (15 Sheets and 4 Details sheets. No phasing plans will be required)
- S. SWPPP Sheets.** (2 sheets at 40 Scale)
- T. As Directed Sheets** (3 sheets to be included as directed.)
- U. Structure Detail Sheets** (0 Sheets)
 - a. (No Structure Details)
 - b. No retaining walls anticipated.
 - c. No pedestrian walls anticipated.

230.12 ESCP/SWPPP Plan. A project specific NPDES Storm Water Pollution Prevention Plan (SWPPP) or an Erosion Sediment Control Plan (ESCP) will be completed and will be determined based on the amount of ground disturbance. A Preliminary ESCP/SWPPP will be submitted for October 2023

review. All comments will be addressed and a Draft ESCP/SWPPP prepared and submitted for approval.

Minimum Deliverables:

- Erosion & Sediment Control Plan (SWPPP Site Plans) or Storm Water Pollution Prevention Plan (SWPPP)

230.13 Final Utility Coordination. Complete all activities per the Guide for Utility Management - Section 430.00 – Final Design of Project. Includes updating of utility plans for all facilities to be relocated and/or retained including at whose expense. Submittal of final utility plans for review, completion of all required revisions and submittal of the final utility plans and all related documents, as required.

- A. Submit Final Utility Plans to Utility Companies.** Submit updated Utility Plans for review by utility companies. Complete all revisions as required.
- B. Utilities Coordination & Additional Information.** Coordinate the final design and plans with Utilities as needed. Request additional information from Utilities and document all contacts, conversations, etc. as needed. It is anticipated that waivers will be acquired. If a hearing is required a supplemental agreement.
- C. Final Cost Estimates.** Prepare Final Cost Estimates for any non-franchise utility relocations as needed.
- D. Construction CPM Schedule.** Identify utility related construction activities and include in the Construction CPM Schedule.
- E. Utility Special Provisions.** Prepare Special Provisions inserts, if required.

Minimum Deliverables:

- Final Utility Plans, for review
- Final Utility Plans
- Final Cost Estimates
- Utility Special Provisions
- Construction CPM Schedule Utility Activities
- Copies of Utility related property information and/or other pertinent information
- Utility Waivers from each Utility Company that is required to relocate.

230.14 Final Estimate of Cost. Prepare a final estimate of cost for the proposed construction of the project. The estimate shall be in ITD's current cost estimate format unless otherwise approved by the PM.

Minimum Deliverables:

- Final Estimate of Cost in a PDF and Estimator format

230.15 Specifications. Write special provisions, modifications to standard and supplemental specifications, contractor's notes, etc. and compile with standard inserts. All Environmental Commitments from the Environmental Evaluation shall be included.

Minimum Deliverables:

- Specifications (Special Provisions)

230.16 Construction Staging Plan. It is assumed a Construction Staging plan will be modified as necessary. Sheets will be developed based on the roll plots from Preliminary Design.

230.17 Contract Time Determination. The contract construction time in accordance with the procedures outlined in the Roadway Design booklet "Contract Time Determination in Project Development" will be prepared. A time scaled logic diagram (Gantt Chart) with MS Project will be prepared. The schedule shall be submitted in both paper and electronic versions.

Minimum Deliverables:

- Contract Time Determination Schedule (Gantt Chart)

230.18 Road Closure & Maintenance Agreement Exhibit. It is assumed a Road Closure & Maintenance Agreement Exhibit will NOT be required.

230.19 Final Design Review. The Final Design review package will be prepared and submitted. QC/QA will be completed by the consultant team prior to submittal. The Consultant will attend the final design review and record & prepare minutes. The Consultant will prepare post-review report or letter to summarize significant comments and all decisions and review Environmental Commitments to ensure inclusion.

Minimum Deliverables (as required by ITD Design Manual and submitted to Projectwise®):

- Title Sheet
- Vicinity Map
- Total Ownership Map & Special Maps
- Project Clearance Summary
- Typical Sections
- Roadway Summary
- Pipe Culvert Summary
- Storm Sewer Summary
- Plan & Profile Sheets
- Roadway Detail Sheets
- Removal Sheets
- Erosion & Sediment Control Plans (SWPPP Site Plans)
- Final Utility Plans
- Final Right of Way Plans
- Construction Staging/Phasing Plans
- Final Traffic Control Plans
- Final Pavement Marking Plans
- Final Delineation Plans (Included on Pavement Marking Plans)
- Sign Erection Sheets
- Final Signing Plans
- Final Signal Plans
- Final Estimate of Cost

- Specifications (Special Provisions)
- Contract Time Determination Schedule (Gantt Chart)
- Minimum Testing Requirements (MTR)

Assumptions

- Two (2) week LHTAC/City review period.
- The Final Design Review Meeting will be a maximum of four (4) hours.
- Blue Beam software will be utilized.
- Four (4) representatives from Horrocks Engineers will attend the review meeting.

230.20 Final Design Review Revisions. Compile final design review comments. Revise plans estimate of cost, specifications (Special Provisions) and Contract Time Determination Schedule (Gantt Chart) per comments and complete responses to comments.

Minimum Deliverables:

- Compiled Final Design Review Comments with Responses
- Revised Plans, documents, etc.

Section 240 – Plans, Specifications & Estimate (PS&E)

240.01 General. Perform the engineering services as necessary to complete the Plans, Specifications & Estimate as defined herein or as directed.

240.02 Project Specifics. The PS&E submittal includes all the necessary revisions derived from the approved Design Study Report, approved Environmental Evaluation Report, updated ITD Supplemental Specifications, updated Standard Drawing List, and the QA/QC review.

240.03 Quality Control Check. A quality control check, including but not limited to, final cross check of summary sheets, plan sheets, special provisions and the estimate for agreement in bid item number, units and/or quantities will be completed. The plans will be checked for compliance with environmental commitments and R/W agreements. All revisions from this review will be completed in subsection 240.07.

240.04 Draft PS&E Package. Assemble and submit a draft PS&E package for review. ITD will review the package and respond with comments and required revisions, if necessary.

Minimum Deliverables:

- Plans
- Specifications
- Estimate of Cost
- Contract Time Determination

Assumptions

- Two (2) week ITD review period.
- The Final Design Review Meeting will be a maximum of four (4) hours.
- Blue Beam software will be utilized.
- Four (4) representatives from Horrocks Engineers will attend the review meeting.

240.05 Final PS&E Package. A PS&E package will be assembled and submitted for review. All original project plans will be endorsed (stamped, dated, and signed). The estimate of cost will be completed in ITD's current format. Environmental Commitments will be reviewed prior to submittal.

Minimum Deliverables:

- Original Plans
- Plans
- CADD files
- Specifications
- Estimate of Cost
- PS&E Submittal Checklist and PS&E Information Sheet
- Non-Bid Project Items List
- All required/obtained permits
- SWPPP Narrative
- Contract Time Determination
- Land XML Finish Grade Surfaces

240.06 PS&E Package Revisions/Updates. Responses to the recommendations or required revisions will be provided. Final updates due to updated ITD specifications, special provisions, etc. will be included in this package.

A. All revisions will be completed, as necessary, and the revised plans, specifications & estimate and other documents will be individually inserted into the Final PS&E package. All revised plans will be endorsed (stamped, dated, and signed). All CADD files will be provided per ITD's CADD specifications and requirements.

B. The Resident Engineer's File will be assembled and submitted via ProjectWise.

Minimum Deliverables:

- Responses to PS&E Review Comments
- Revised Plans
- CADD files
- Revised Specifications (electronic copy)
- Revised Estimate of Cost (electronic copy)
- 404 Permit (electronic copy)
- Other Permits and Agreements such as Utility, Water Quality, etc. (electronic copy)
- PS&E Submittal Checklist (Completed)
- Resident's File (submitted electronically to LHTAC/City)
- An environmental re-valuation will be prepared by LHTAC.

240.07 Contract Bidding & Letting Support. Respond to design questions. Attend a pre-bid meeting if required.

SECTION 300 – STRUCTURES

Section 301 – General

301.01 General. No structures anticipated for this project.

SECTION 400 – TRAFFIC

Section 401 – General

401.01 General.

All traffic services shall be completed by the consultant team.

401.02 Traffic Data.

Horrocks will obtain 24-hour continuous Tube Count Data for Science Center Drive and N. Boulevard, and W. Anderson Street within the project boundary. Horrocks will obtain AM and PM intersection turning movement traffic counts at the Science Center Drive and N. Boulevard, N. Boulevard and W. Anderson St., and Anderson and Holmes Ave. intersections.

Horrocks will collect the following data from agencies and a field review:

- From the City of Idaho Falls and Bonneville County
 - Committed and planned improvements in the area
 - Current and planned land use and zoning
 - Public transportation information in impact analysis area
 - Comprehensive Plan information
 - TIS for any new developments in the area
- From Bonneville Metropolitan Planning Organization (BMPO)
 - Existing and design year travel demand trips for the project roadways
 - BMPO Long Range Transportation Plan
 - BMPO Access Management Plan Update
- From ITD District 6
 - Committed and planned improvements in the area
 - Latest five (5) years of crash history on Science Center Drive, N. Boulevard, and W. Anderson St. roadway segments and intersections within the project boundaries
 - ATR data from the ITD iPlan website
- From On-Site Field Visit
 - Existing roadway and intersection characteristics, including lane configurations, speed limits, roadway functional classification, access and intersection control.

Assumptions

- Each agency will provide the requested data with two (2) weeks of the request.
- The City of Idaho Falls will give the consultant permission to conduct the traffic counts and waive any encroachment permitting fees.

Deliverables

- Collected data will be reported in the draft and final Traffic & Safety Analyses Memo.

401.03 Traffic Analysis.

Horrocks will develop travel demand forecasts for the construction and design years using the BMPO travel demand model output and existing counts. Horrocks will then conduct an operational analysis of Science Center Drive and N. Boulevard, N. Boulevard and W. Anderson St., and Anderson and Holmes Ave. intersections for the existing year (2023), construction year (2027), and design year (2047). The following scenarios will be investigated for the operational analysis:

- N. Boulevard intersection converted to roundabout.
- N. Boulevard intersection reconfigured into a possible alternative intersection design.
- N. Boulevard intersection upgraded to modern mast-arm signal system.

The Science Center Drive and N. Boulevard, N. Boulevard and W. Anderson St., and Anderson and Holmes Ave. intersections will be analyzed under each scenario. Alternative capacity improvements for the intersections will be developed and analyzed, including signal, roundabout, and stop control alternatives. The results of these analyses will be reported and reviewed with LHTAC/City.

For the safety analysis, Horrocks will determine existing crash rates for each intersection and will use the crash history provided to perform a review of crash types and trends. A summary of identified corrective actions and countermeasures that correlate to the alternative improvements will be prepared for each intersection and benefits of the mitigation estimated.

Horrocks will prepare an operational and safety analysis report that summarizes the traffic data collected, the results from each analysis, and with recommendations for capacity and safety improvements. The summary will provide analysis and recommendations for the left turn and right turn vehicle storage lengths to accommodate the forecasted traffic at the intersections identified above.

Horrocks will conduct a Quality Control review of the report and make revisions to create a Draft Operational & Safety Analysis Report, (Rev 0) for Horrocks QC review. Following the QC review, Horrocks will create a Draft Operational & Safety Analysis Report, (Rev 1) for LHTAC/City review. Following LHTAC/City review, Horrocks will update the Draft Operational & Safety Analysis Report to (Rev 2) and submit the Final Operational & Safety Analyses Report to LHTAC/City..

Assumptions

- Travel demand forecasts will be developed based on existing field, ITD and BMPO provided forecast data.
- Three (2) revisions of the Draft Traffic & Safety Analysis Report will be completed.

Deliverables

- Draft Operational & Safety Analysis Report, Rev 1
- Final Operational & Safety Analysis Report, Rev 2

SECTION 500 – LOCATION SURVEYING, BOUNDARY SURVEY & MAPPING

500.01 Project Reconnaissance.

The Project Manager, Project Engineer and Survey Crew will visit the project site and determine the basis of control, access, identification of general survey approach, preliminary location of monuments, utilities, and other physical features. Horrocks will use static or mobile LiDAR data for basis of the topography and DTM.

500.02 Right of Entry

Horrocks, with assistance from City will request right of entry from adjacent property owners for survey (boundary survey and topo survey) and environmental field studies.

500.03 Administration of Survey and Survey Crew.

The Project Engineer will provide instruction and assignments to the Survey Crew, review survey work and coordinate CAD downloading and manipulation of survey data. The Project Manager and Project Engineer will periodically review the work by the Survey Crew to monitor data collection and information to ensure efficient and accurate design data.

500.04 Topographic Survey.

- A. Perform Topographic Survey based on the LiDAR data.
- B. Data reduction (convert LiDAR data to project control).
- C. Produce project topographic map.
- D. Field check topographic map.

500.05 Boundary Survey.

Horrocks will review County Assessor data to verify ownership. Horrocks will create an Existing Right-of-Way Base MicroStation file. This base map will be used as a working base to help with any Right-of-Way acquisition required by the project.

Assumptions

- All Right-of-Way acquisition will be completed by the City.

Deliverables

- Existing ROW base map DGN file containing, ROW lines, PLSS section lines, and easement lines. Existing ROW lines will have linework draped onto the existing terrain model and linked cells to allow Existing ROW lines to be viewed in 3D and Cross section views.
- Boundary survey of the existing ROW shall be developed to establish the existing ROW for development of the Right of Way plans by the City.

500.06 Record of Survey

Consultant will complete and file the record of survey in conjunction with Bonneville County, which depicts the existing right-of-way, new right-of-way, parcel acquisitions and permanent easement parcels within the project area.

SECTION 600 – MATERIALS

600.01 General. All material reports, field work, testing, data collection and data analysis will be produced by sub-consultant Shannon and Wilson. Horrocks and other sub-consultants will support Shannon and Wilson with design information and data, necessary permitting, right of entry permission and report QA/QC.

The pavement structure strategy is assumed to be a mill and inlay with possibility of some areas of new construction. Up to two subsurface drainage area may be developed. Up to four sign structure foundations may be considered.

S&W proposes to provide materials and geotechnical services in accordance with a five-step process, consisting of:

1. Reconnaissance and Advance Preparations
2. Subsurface Explorations
3. Laboratory Testing
4. Data Development and Analyses
5. Reporting

Specifically, the following activities are planned by Shannon & Wilson.:

600.02 Reconnaissance and Advance Preparations

- Acquire/review historical roadway documents.
- Initial site visit including (1) Review site access and traffic control matters, (2) Note general conditions for field investigation planning, (3) Photograph and document general site conditions, (4) Paint/stake boring locations, (5) Perform a pavement condition survey, (6) Install traffic counters, and (7) Note potential overhead or buried utilities interferences that may affect exploration locations.
- Prepare project-specific field investigation instructions for S&W field personnel. Review the plan with S&W field staff and provide a courtesy copy of the plan to the project team. The plan will include: (1) Safety and emergency information, (2) Field coordination including boring location plan, (3.) Schedule of field activities. (4) Required observations, (5) Logging instructions, (6) Testing locations and test intervals, (7) Test procedures and testing details, (8) Subcontractor contact information, and (9) Utilities clearances matters.
- Prepare the Cultural Resource Investigation Request (ITD from 1500) and coordinate environmental clearance for exploration activities.
- Prepare traffic plans; meet with TC subcontractor; coordinate agency approval.
- Complete the following for traffic control subcontractor, including (1) Prepare scope of service, (2) Request quotations, (3) Prepare sub-agreement, (40) Collect insurance certificate, and (5) Coordinate schedule of activities.
- Solicit traffic data for pavement design.
- Coordinate with city roadway maintenance foreman.
- Coordinate with tribes and manage the assessment of TERO tax.
- Paint/stake exploration locations, including travel. Coordinate with DIGLINE and City of Idaho Falls to clear drill hole locations. Meet with DIGLINE in the field.
- Complete geological survey, including travel, and prepare field mapping notes.
- Prepare to mobilize to the field (schedule equipment, perform calibrations, acquire supplies, etc.) and provide a kick-off briefing for field engineers and technicians.
- Subsurface Explorations

- Advance up to nine pavement borings to about 6 feet to obtain existing pavement structure data, including travel.
- Advance up to two borings to about 12 feet to obtain subsurface drainage information.
- Advance up to four borings to about 20 feet to obtain foundation information for signal structures.

600.03 Laboratory Testing

- Unload samples, complete custody log-in, and store.
- Review samples and prepare/coordinate testing instructions and review test reports.
- At project closure, dispose of samples at Hidden Hollow Landfill.

600.04 Data Development and Analyses

- Develop design traffic loading - ESALs.
- Prepare report-ready logs via GiNT using drilling and lab data.
- Prepare a pavement structure analysis for the mill and inlay rehabilitation strategy using the AASHTO Pavement ME method.
- Prepare a new construction analysis using the Idaho R-Value method.
- Develop design infiltration rates.
- Develop sign structure geotechnical design parameters.

600.05 Reporting

Roadway Materials Report:

- Prepare calculation summaries and the supporting data appendices
- Draft the report and appropriate special provisions and notes to contractor
- Complete S&W internal QA review
- Issue for Horrocks review and address comments
- Issue for LHTAC and Owner review and address comments

Geotechnical Engineering Report (signal structure):

- Prepare calculation summaries and the supporting data appendices
- Draft the report and appropriate special provisions and notes to contractor
- Complete S&W internal QA review
- Issue for Horrocks review and address comments
- Issue for LHTAC and Owner review and address comments

Final Design Review Letter:

- Review Final Design Documents to confirm the intent of the Materials Reports has been incorporated

600.06 Administration

- Prepare agreements, project start-up, invoicing, and close-out
- Project meetings via teleconference
- Perform general project management
- Remain available to answer questions

600.07 Key Understandings

Our proposed scope of services is based on the following assumptions:

- For better efficiency and productivity on out-of-town assignments, geotechnical- and materials-related field activities, such as drilling and testing, may involve 10- to 12-hour

workdays. Our estimate is based on 10-hour workdays for fieldwork. Invoicing will reflect actual field time, including daily travel to the work site.

- Property access will be coordinated by others.
- Nighttime work is not specified for the materials investigation.
- Temporary pavements are not planned.
- Life cycle cost analyses are not desired.
- Retaining walls are not planned.

SECTION 700 – ENVIRONMENTAL

Section 701 – General

701.01 General. Environmental services shall be completed by Horrocks.

Assumptions:

- It is assumed that the appropriate National Environmental Policy Act (NEPA) document for this project is a categorical exclusion that will need to be approved by ITD.
- It is assumed that any right-of-way to be acquired for the project will be from areas committed to urban development and that coordination on prime farmland requirements will not apply.
- It is assumed the project will not adversely affect historic properties and that Section 4(f) services will not be required.
- It is assumed the project will not impact wetlands or waters of the United States.
- The project will not impact threatened or endangered species, migratory birds, or other protected wildlife. A “no effect” finding will be the appropriate determination for Endangered Species Act (ESA)-listed species.
- Lane additions for the project will be turn lanes. No through-lanes will be added for the project and a noise analysis is not included in this scope of services.

Section 710 – Environmental Documentation

710.01 Cultural Resources. This work will be conducted Horrocks and will be in accordance with Section 106 of the National Historic Preservation Act (NHPA), NEPA, and other pertinent regulations.

The Archaeological and Historic Survey Report (AHSR) will follow the 2015 Idaho State Historic Preservation Office (SHPO) standards and format, and shall include background research, field survey, and preparation of the report. The survey report shall include discussions of field methods, survey results, maps showing areas surveyed, inventory forms, and preliminary recommendations of National Register of Historic Places (NRHP) eligibility. The survey will be intensive. Waste sites, staging areas, materials source sites, etc. shall be included in the report if they are identified. Consultant will provide sufficient information to prepare Determinations of Significance and Effect (ITD 1502) by ITD’s Highway Archaeologist for submittal to SHPO.

A. ITD-1500 Submittal Package. It is assumed that LHTAC will submit ITD-1500 as needed to ITD. Horrocks will help with any maps or exhibits that will be required.

B. Research. Database checks are required for previous survey and known sites within one mile of the project area. Database checks will be conducted with the Idaho SHPO. Newly recorded sites

may require additional research to provide context. Research may be conducted at SHPO, Idaho Historical Library, NRHP, county historical society, and/or the county assessor.

- C. Fieldwork.** Applicable field investigation techniques shall be discussed with the Highway Archaeologist/Architectural Historian to determine the appropriate methodology. Project leaders will provide a full project description including measurements and figures that show all proposed areas of ground disturbing activities. This will include all proposed excavation, staging, material storage, and any other area that has potential for ground disturbance. An Area of Potential Effect (APE) will be intensively surveyed using pedestrian transects spaced no more than 30 meters apart, but may be spaced closer depending on the environmental conditions. The field survey will follow Idaho SHPO and Archaeological Survey of Idaho (ASI) guidelines.
- D. Site Forms.** Up to 3 cultural resources will be recorded under this scope of work. This includes 2 historic architectural sites and one historic linear site (Science Center Drive). These sites will be fully documented to provide data on location, dimensions, content age, context and integrity for an assessment of NRHP eligibility. The sites will be recorded on the Idaho Historical Sites Inventory (IHSI) forms. Cultural staff will consult with LHTAC/City to review site eligibility and potential project effect prior to the submittal of the cultural report.
- E. Cultural Resource Survey Report.** The AHSR will follow Idaho SHPO and ASI guidelines. The report will follow the 2015 Idaho SHPO standards and format. The report will include research, field survey methods, survey results, findings (including site condition and eligibility), potential project effects, recommendations, maps, photos, and the appropriate site forms. Resources, which are noted, but not considered sites will be discussed in the AHSR rather than recorded on separate site forms. All Noted but Not Recorded (NBNR) resources will be photographed, plotted on a map, and listed in a table within the report. Horrocks shall address all comments, if any, received by ITD/LHTAC/City and SHPO and revise and resubmit as needed.
- F. Technical Review QA/QC.** Prior to submitting any cultural resource documents, internal Quality Assurance and Quality Control shall be completed by cultural resource staff.
- G. Comment Response.** The draft report will be submitted to LHTAC/City who will submit to ITD Headquarters for review. Comments will be addressed, and the revised report will be resubmitted to SHPO for review and concurrence. Following the submittal of the cultural resource report, the ITD cultural resource staff and SHPO are each allowed 30-day reviews. Should either agency staff require report edits or revisions of the project area, the review cycle for each is renewed at the time of the submitted report changes.

MINIMUM DELIVERABLES:

- Draft AHSR for LHTAC/City review (one electronic copy)
- Draft AHSR for ITD Headquarters review (one electronic and one color hard copy)
- Final AHSR for SHPO (one electronic and two color hard copies)
- CD containing the IHSI/ASI databases, electronic documents, project photographs and GIS shapefiles (for SHPO).

ASSUMPTIONS:

- Waste sites, staging areas, and materials source sites will be contractor furnished.

- Three sites are anticipated to be recorded under this scope of work. If additional sites are identified, these will be recorded and evaluated under an additional services agreement.
- No NBNR sites will be recorded under this scope. If additional NBNR sites are identified, they will be recorded under an additional services agreement.
- If the project determines that the any sites are eligible for the NRHP, then a Determination of Adverse Effect and Section 4(f) Evaluation shall be completed under an additional services agreement.

710.02 Hazardous Materials. The consultant shall complete the Hazardous Materials Evaluation Sheet – Administrative Review Form within the ITD Categorical Exclusion Determination form. The task shall include a database review, windshield survey, and agency contacts (if necessary depending on database and survey findings).

Assumptions:

- The IDEQ facility mapping tool does not show hazardous waste sites of concern in the project area (leaking underground storage tank sites, spill or contamination sites, etc.). It is assumed that an administrative review will be the appropriate level of hazardous materials review for the project.
- An Initial Site Assessment (Phase I) will not be necessary.
- A Preliminary Site Investigation (Phase II) will not be necessary.
- This task does not include soil, groundwater, asbestos, or lead-based paint sampling.

Deliverables:

- Hazardous Materials Evaluation Sheet – Administrative Review Form within the Categorical Exclusion Determination (a separate independent deliverable will not be submitted)

Section 720 – Categorical Exclusion Determination

720.01 ITD Form 654: Categorical Exclusion. The consultant shall complete the latest version of ITD's Categorical Exclusion Determination (ITD Form 0654). A draft Categorical Exclusion document will be compiled and submitted for LHTAC/City review per the latest standard operating procedure for environmental document submissions. Consultant shall address comments and resubmit for ITD HQ review. Consultant shall address comments, and if necessary, will submit a third draft for FHWA review. A final Categorical Exclusion document will then be prepared for approval.

Consultant shall research and document the following items to be included in the document:

- Purpose and Need
- Project Description
- Right-of-Way Acquisition
- Changes in Access or Access Control
- Changes in Travel Patterns
- Summary of the Following Environmental Issues:
 - Cultural Resources
 - Hazardous Materials
 - Socioeconomics
 - Environmental Justice

- Sole Source Aquifer
- Biological Resources
- Construction Impacts

Assumptions:

- The following environmental issues will not require detailed discussion in the Categorical Exclusion:
 - Section 4(f)
 - Section 6(f)
 - Prime Farmland
 - FAA Facilities or Notification
 - Noise
 - Air Quality
 - Visual Resources/Aesthetics
 - Wetlands and Waters of the United States
 - Floodplains
 - Wild and Scenic Rivers

Deliverables:

- Categorical Exclusion Draft No. 1 for review by LHTAC/City
- Categorical Exclusion Draft No. 2 for review by ITD HQ
- Categorical Exclusion Draft No. 3 for review by FHWA (if necessary)
- Categorical Exclusion Final Draft for approval

SECTION 800 – RIGHT-OF-WAY

It is assumed that all Right-of-Way acquisition will be completed by the City.

SECTION 900 – PUBLIC INVOLVEMENT

Section 901 – General

901.01 General.

Public involvement services shall be completed by Horrocks. It is assumed that one public meeting will be held for this project. Each adjacent landowner will be contacted directly to inform them of the project.

901.02 Adjacent Property Owner Outreach.

Horrocks will meet one-on-one with affected property owners early to inform them about the project and identify potential issues. Horrocks will provide a map of the project area for each meeting.

Assumptions

- One (1) Horrocks and one (1) City staff member will attend each meeting.
- Up to twenty (20) meetings total will be required.
- One (1) round of one-on-one meetings are anticipated.
- Each round of meetings will require two-days to complete.

- Horrocks will document each meeting.
- It will require one (1) hour to conduct each meeting and one and 1/2 (1.5) hour to set up and document each meeting.

Deliverables

- Up to twenty (20) one-on-one meetings with adjacent property owners.
- Documentation of each meeting

901.03 Public Open Houses.

Horrocks will plan and conduct one (1) public open houses for the project in support of LHTAC and the City. The first meeting will be held during concept design and the public will be invited to attend between 6 p.m. and 8 p.m. directly following the property owner meeting. A second meeting second meeting is not anticipated. Horrocks will be responsible for the development of displays, sign-in sheets, comment forms, refreshments, stakeholder notification, room procurement, meeting/hearing set up and cleanup for both public open houses.

Assumptions

- LHTAC/City will determine if a public hearing is required and direct Horrocks in preparing it.
- Horrocks will prepare up to ten (10) displays/text boards each for the public open house. Displays will be 22"x34" mounted on foam core, or as online meeting graphics as needed.
- LHTAC/City will review and provide comments on draft meeting displays.
- Horrocks will prepare a display advertisement and an online advertisement for placement in the Post Register newspaper for each public meeting. Horrocks will arrange for the display ad to run two weeks prior to the meetings and the online announcement to run the week prior to the meetings. LHTAC/City will reimburse Horrocks for the advertisements as a direct cost.
- Three (3) Horrocks staff will attend the in-person public meeting, including the PM, Roadway Engineer, and Project Designer,.
- Horrocks will secure a facility for each in-person meeting and will attempt to find a no cost facility. If that is not possible LHTAC/City will reimburse Horrocks if reservation fees are required for each Open House.

Deliverables

- Up to ten (10) displays per meeting/hearing (22"x34" foam core)
- One newspaper advertisement per meeting for a total of two advertisements and one online newspaper advertisement per meeting for a total of two online ads.
- Meeting sign-in forms and comment forms (hard copies @ meeting)

SECTION 1000 – CONSTRUCTION SUPPORT

Section 1001 – General

1001.01 General.

Horrocks Engineers will provide responses to “Requests for Information” as requested throughout the bidding and construction process.

HORROCKS ENGINEERS, INC.**Engineering Services****A. SUMMARY ESTIMATED MAN-DAY COSTS**

		Man-Hours		Hrly Rate		Raw Labor Cost
1	Principle-in-Charge Kelly Hoopes	104	@	\$ 108.17	=	\$ 11,249.68
2	Quality Control Engineer Mike Mckee	36	@	\$ 78.36	=	\$ 2,820.96
3	Project Manager and Roadway Engineer Ben Burke	401	@	\$ 76.92	=	\$ 30,844.92
4	Roadway Design Tech. Troy Williams	264	@	\$ 49.89	=	\$ 13,170.96
5	Engineering in Training Jayce Allen	0	@	\$ 35.56	=	\$ -
6	Design Technician Peter Remus	0	@	\$ 46.89	=	\$ -
7	Land Surveyor Brian Lish	53	@	\$ 55.52	=	\$ 2,942.56
8	Land Surveyor Austin Ishino	50	@	\$ 45.43	=	\$ 2,271.50
9	Survey Technician Rhen Parmenter	39	@	\$ 32.10	=	\$ 1,251.90
10	GIS Analyst Eric Verner	106	@	\$ 50.19	=	\$ 5,320.14
11	Env. Planner Samantha Patterson	64	@	\$ 41.08	=	\$ 2,629.12
12	Historian Ben Pearson	74	@	\$ 38.86	=	\$ 2,875.64
13	Sr. Public Involvement Specialist Gemma Puddy	19	@	\$ 49.86	=	\$ 947.34
14	Public Involvement Specialist Jessamyn Summers	30	@	\$ 34.85	=	\$ 1,045.50
15	Graphic Designer Aaron Thorup	28	@	\$ 38.65	=	\$ 1,082.20
16	Drainage Engineer Kirk Kauer	0	@	\$ 44.01	=	\$ -
17	Accounting Sara Barker	32	@	\$ 37.18	=	\$ 1,189.76
					=	\$ 79,642.18

B. PAYROLL, FRINGE BENEFIT COSTS & OVERHEAD

Total Raw Labor Cost	Approved Overhead Rate	
\$79,642.18	169.96%	= \$135,359.85

C. NET FEE

Total Raw Labor & Overhead	NET FEE***	
\$215,002.03	12.0%	= \$25,800.24

D. FCCM

Total Raw Labor Cost	Approved FCCM Rate	
\$79,642.18	0.22%	= \$175.21

TOTAL LABOR \$240,977.49

E. OUT-OF-POCKET EXPENSE SUMMARY

			Unit Cost		Estimated Expense
1	MILEAGE (miles)	770	@ \$ 0.62	=	\$ 477.40
2	LODGING	2	@ \$ 107.00	=	\$ 214.00
3	PER DIEM (Travel Day)	2	@ \$ 44.25	=	\$ 88.50
4	PER DIEM (Full Day)	1	@ \$ 59.00	=	\$ 59.00
5	Public Envolvement Expenses	1	@ \$ 2,000.00	=	\$ 2,000.00
	TOTAL EXPENSES			=	\$ 2,838.90

TOTAL	=	\$243,816.39
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HORROCKS ENGINEERS, INC.

Engineering Services



A.	Horrocks Bid Summary Total	\$243,816.39
B.	Shannon and Wilson Total	\$108,769.26

TOTAL =		\$352,585.64
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Science Dr

Cost Summary

File No. 111416

22008

6-Nov-23

Transmittal 4

A. DIRECT LABOR (day time)

	Hours		Rate		Labor Cost
1 Principal	0	@	\$75.92	=	\$0.00
2 Project Manager	59	@	\$75.92	=	\$4,479.28
3 QC	12	@	\$75.92	=	\$911.04
4 Engineer	172	@	\$57.52	=	\$9,893.44
5 Geologist	0	@	\$55.65	=	\$0.00
6 CADD	1	@	\$50.30	=	\$50.30
7 Tech	107	@	\$44.44	=	\$4,755.08
8 Admin	6	@	\$32.81	=	\$196.86
9	0	@	\$0.00	=	\$0.00
	<u>357</u>				

SUBTOTAL DIRECT LABOR = \$20,286.00

B. DIRECT LABOR (night time with 10% surcharge)

	Hours		Rate		Labor Cost
1 Principal	0	@	\$83.51	=	\$0.00
2 Project Manager	0	@	\$83.51	=	\$0.00
3 QC	0	@	\$83.51	=	\$0.00
4 Engineer	0	@	\$63.27	=	\$0.00
5 Geologist	0	@	\$61.22	=	\$0.00
6 CADD	0	@	\$55.33	=	\$0.00
7 Tech	0	@	\$48.88	=	\$0.00
8 Admin	0	@	\$36.09	=	\$0.00
9	0	@	\$0.00	=	\$0.00
	<u>0</u>				

SUBTOTAL DIRECT LABOR = \$0.00

C. OVERHEAD COST

Total Direct Labor Cost		Overhead Multiple		
\$20,286.00	X	170.58%	1.7058	= \$34,603.86

D. NET FEE

Total Raw Labor & Overhead		Net Fee		
\$54,889.86	X	12.0%	0.12	= \$6,586.78

E. DIRECT EXPENSE SUMMARY

Escalation:

Anticipated Agreement date:	December 1, 2023
Contract Duration:	9.0 (months)
Escalation Period:	8.0 (months after January 1 st)

Total Labor & Overhead		Period (years)		Annual Escalation		
\$54,889.86	X	0.6666667	X	4.00%	=	\$1,463.73

Facilities Capital Cost of Money (FCCM): 0.24% X \$20,286.00 = \$48.69

Field Directs: \$35,030.20

Lab Directs: \$10,750.00

NOT-TO-EXCEED AMOUNT = \$108,769.26

PROJECTED LABOR HOURS AND COSTS

Engineering Services
Science Center Drive - N. Blvd. to Holmes Ave.
Project Number: A022(008)
Key Number: 22008



		Horrocks Engineers																				
Task	Description	Principle-in-Charge Kelly Hoopes	Quality Control Engineer Mike McKee	Project Manager and Roadway Engineer Ben Burke	Roadway Design Tech. Troy Williams	Engineering in Training Jayce Allen	Design Technician Peter Remus	Land Surveyor Brian Lish	Land Surveyor Austin Ishino	Survey Technician Rhen Parmenter	GIS Analyst Eric Verner	Env. Planner Samantha Patterson	Historian Ben Pearson	Sr. Public Involvement Specialist Gemma Puddy	Public Involvement Specialist Jessamyn Summers	Graphic Designer Aaron Thorup	Drainage Engineer Kirk Kauer	Accounting Sara Barker	Total Hours	Labor Cost	Overhead Horrocks	Labor and Overhead
		Salary Rate	\$108.17	\$78.36	\$76.92	\$49.89	\$35.56	\$46.89	\$55.52	\$45.43	\$32.10	\$50.19	\$41.08	\$38.86	\$49.86	\$34.85	\$38.65	\$44.01			\$37.18	
100: General Provisions																			208			
110: Administration																			208			
110.01	Administration	8		24														8	40	\$3,008.88	\$5,113.89	\$8,122.77
110.02	Project Initiation	1		4							4							2	11	\$690.97	\$1,174.37	\$1,865.34
110.03	Monthly Progress Meetings	12		18	12	0		9	9		12			12	9	4			97	\$5,858.68	\$9,957.41	\$15,816.09
110.04	Project Schedule	0		12							12								24	\$1,525.32	\$2,592.43	\$4,117.75
110.05	Progress Reports and Invoicing			18														18	36	\$2,053.80	\$3,490.64	\$5,544.44
200: Design																			626			
201: General																			16			
201.01	General																					
201.02	Standards																					
201.03	References																					
201.04	Data Available from Owner			2				6	6										14	\$759.54	\$1,290.91	\$2,050.45
201.05	Documentation	0		0															0	\$0.00	\$0.00	\$0.00
201.06	Contacts	1		1															2	\$185.09	\$314.58	\$499.67
210: Concept Development and Charter Update																			174			
210.01	General																					
210.02	Concept Scoping	8		12	12	0	0	0	0		4	8	2						46	\$2,994.20	\$5,088.94	\$8,083.14
210.03	Concept Purpose and Need Report	2		12	2	0					2	4	0						22	\$1,503.86	\$2,555.96	\$4,059.82
210.04	Design Standards	2		2	4	0													8	\$569.74	\$968.33	\$1,538.07
210.05	Alternate Solutions	8		8	12	0					4	4							36	\$2,444.48	\$4,154.64	\$6,599.12
210.06	Additional Design Elements	4		4	8	0													16	\$1,139.48	\$1,936.66	\$3,076.14
210.07	Design Exceptions	0		2	0	0													2	\$153.84	\$261.47	\$415.31
210.08	Draft Concept/Charter Report	4	4	12	8	0													28	\$2,068.28	\$3,515.25	\$5,583.53
210.09	Final Concept/Charter Report	2	2	8	4	0													16	\$1,187.98	\$2,019.09	\$3,207.07
220: Preliminary Design																			149			
220.01	General																					
220.02	Project Specifics																					
220.03	Preliminary Traffic Study																					
220.04	Preliminary Roadway Design	2		12	16	0					8						0		38	\$2,339.14	\$3,975.60	\$6,314.74
220.05	Preliminary Drainage Design	0		0	0	0											0		0	\$0.00	\$0.00	\$0.00
220.06	Drainage Study Report	0															0		0	\$0.00	\$0.00	\$0.00
220.07	Preliminary Traffic Control Plans			8	16	0	0	0	0	0	0	0	0	1	1	0	0		26	\$1,498.31	\$2,546.53	\$4,044.84
220.08	Preliminary Pavement Marking Design and Layout			2	4	0	0												6	\$353.40	\$600.64	\$954.04
220.09	Preliminary Signing Design and Layout			2	4	0	0												6	\$353.40	\$600.64	\$954.04
220.10	Preliminary Traffic Signal / Illumination			12	4	0	0												16	\$1,122.60	\$1,907.97	\$3,030.57
220.11	Preliminary Project Plans Sheets			4	16	0	0												20	\$1,105.92	\$1,879.62	\$2,985.54
220.12	Preliminary Utility Coordination				8	0	0												8	\$399.12	\$678.34	\$1,077.46
220.13	Preliminary Estimate of Cost			2	4	0													6	\$353.40	\$600.64	\$954.04
220.14	Preliminary Design Review	4	4	8	4	0													20	\$1,561.04	\$2,653.14	\$4,214.18
220.15	Design Study Report	1	0	2	0	0													3	\$262.01	\$445.31	\$707.32
230: Final Design																			197			
230.01	General																					
230.02	Project Specifics																					
230.03	Final Roadway Design	2		12	6	0	0												20	\$1,438.72	\$2,445.25	\$3,883.97
230.04	Drainage Design	0		0	0		0	0	0	0							0		0	\$0.00	\$0.00	\$0.00
230.05	Roadside Design			2	4		0	0	0	0							0		6	\$353.40	\$600.64	\$954.04
230.06	Final Structures Design																					
220.07	Final Traffic Control Plans			12	2	0	0												14	\$1,022.82	\$1,738.38	\$2,761.20
220.08	Final Pavement Marking Design and Layout			8	4	0	0												12	\$814.92	\$1,385.04	\$2,199.96
220.09	Final Signing Design and Layout			8	4	0	0												12	\$814.92	\$1,385.04	\$2,199.96
220.10	Final Traffic Signal / Illumination			8	4	0	0												12	\$814.92	\$1,385.04	\$2,199.96
230.11	Final Roadway Plans Sheets			4	12	0	0										0		16	\$906.36	\$1,540.45	\$2,446.81
230.12	ESCP/SWPP Plan			4	4												0		8	\$507.24	\$862.11	\$1,369.35
230.13	Final Utility Coordination			4	8												0		12	\$706.80	\$1,201.28	\$1,908.08
230.14	Final Cost Estimate	1		4	4	0											0		9	\$615.41	\$1,045.95	\$1,661.36
230.15	Specifications	2		8	4	0											0		14	\$1,031.26	\$1,752.73	\$2,783.99
230.16	Construction Staging Plans			0	0	0	0										0		0	\$0.00	\$0.00	\$0.00
230.17	Contract Time Determination			4	4						4								12	\$708.00	\$1,203.32	\$1,911.32
230.18	Road Closure & Maintenance Agreement Exhibit																					
230.19	Final Design Review	4	6	8	8	0	0										0		26	\$1,917.32	\$3,258.68	\$5,176.00
230.20	Final Design Review Revisions	4	4	8	8	0	0										0		24	\$1,760.60	\$2,992.32	\$4,752.92

PROJECTED LABOR HOURS AND COSTS

Engineering Services
Science Center Drive - N. Blvd. to Holmes Ave.
Project Number: A022(008)
Key Number: 22008



		Horrocks Engineers																				
Task	Description	Principle-in-Charge Kelly Hoopes	Quality Control Engineer Mike McKee	Project Manager and Roadway Engineer Ben Burke	Roadway Design Tech. Troy Williams	Engineering in Training Jayce Allen	Design Technician Peter Remus	Land Surveyor Brian Lish	Land Surveyor Austin Ishino	Survey Technician Rhen Parmenter	GIS Analyst Eric Verner	Env. Planner Samantha Patterson	Historian Ben Pearson	Sr. Public Involvement Specialist Gemma Puddy	Public Involvement Specialist Jessamyn Summers	Graphic Designer Aaron Thorup	Drainage Engineer Kirk Kauer	Accounting Sara Barker	Total Hours	Labor Cost	Overhead Horrocks	Labor and Overhead
	Salary Rate	\$108.17	\$78.36	\$76.92	\$49.89	\$35.56	\$46.89	\$55.52	\$45.43	\$32.10	\$50.19	\$41.08	\$38.86	\$49.86	\$34.85	\$38.65	\$44.01	\$37.18			169.96%	
240: Plans, Specifications & Estimate (PS&E)																			90			
240.01	General																					
240.02	Project Specifics																					
240.03	Quality Control Check	2	6	8	4	0	0										0		20	\$1,501.42	\$2,551.81	\$4,053.23
240.04	Draft PS&E Package	1	2	8	8	0	0										0		19	\$1,279.37	\$2,174.42	\$3,453.79
240.05	Final PS&E Package	1	2	8	4	0	0										0		15	\$1,079.81	\$1,835.25	\$2,915.06
240.06	PS&E Package Revisions/Updates	1	6	8	8	0	0										0		23	\$1,592.81	\$2,707.14	\$4,299.95
240.07	Contract Bidding & Letting Supports	1		6	6	0													13	\$869.03	\$1,477.00	\$2,346.03
300: Structures																			0			
300.01	General																					
400: Traffic																			30			
401: Traffic																			30			
401.01	General																					
400.10	TrafficData	1		12	2														15	\$1,130.99	\$1,922.23	\$3,053.22
400.20	Traffic Analysis	1		12	2														15	\$1,130.99	\$1,922.23	\$3,053.22
500: Location Survey and Mapping																			124			
500.01	Project Reconnaissance	1		2				2	2	2									9	\$528.11	\$897.58	\$1,425.69
500.02	Right of Entry			2				4	4	2									12	\$621.84	\$1,056.88	\$1,678.72
500.03	Admin of Survey Crew			1				4	1	1									7	\$376.53	\$639.95	\$1,016.48
500.04	Topographical Survey			2				4	8	24									38	\$1,509.76	\$2,565.99	\$4,075.75
500.05	Boundary Survey			2				16	16	8									42	\$2,025.84	\$3,443.12	\$5,468.96
500.06	Record of Survey			2				8	4	2									16	\$843.92	\$1,434.33	\$2,278.25
600 Materials																			14			
600.01	General																					
600.02	Reconnaissance and Advance Preparations																		0	\$0.00	\$0.00	\$0.00
600.03	Laboratory Testing																		0	\$0.00	\$0.00	\$0.00
600.04	Data Developemnt and Analysis																		0	\$0.00	\$0.00	\$0.00
600.05	Reporting	1		4															5	\$415.85	\$706.78	\$1,122.63
600.06	Administration	1		4														4	9	\$564.57	\$959.54	\$1,524.11
600.07	Key Understandings																					
700: Environmental																			182			
701.01	General																					
710: Environmental Documentation																						
710.01	Cultural Resources	2		2							16	8	40						68	\$3,056.26	\$5,194.42	\$8,250.68
710.02	Hazardous Materials	1		1							4	4							10	\$550.17	\$935.07	\$1,485.24
720: Categorical Exclusion Determination																						
720.01	ITD Form 654:Categorical Exclusion	4		4							32	32	32						104	\$4,904.52	\$8,335.72	\$13,240.24
730: Categorical Exclusion Determination																						
900: Right-of-Way																						
801.01	General																					
900: Public Involvement																			106			
900.01	General																		0	\$0.00	\$0.00	\$0.00
901.02	Adjacent Property Owner Outreach	8		16	8									2	4	0			38	\$2,734.32	\$4,647.25	\$7,381.57
901.03	Public Open Houses	4		8	4						4	4		4	16	24			68	\$3,297.32	\$5,604.13	\$8,901.45
1000: Construction Support																			10			
1000.01	General RFI Responses	2		4	4														10	\$723.58	\$1,229.80	\$1,953.38
SUBTOTAL		104	36	401	264	0	0	53	50	39	106	64	74	19	30	28	0	32	1300	\$79,642.18	\$135,359.85	\$215,002.03
		Principle-in-Charge Kelly Hoopes	Quality Control Engineer Mike McKee	Project Manager and Roadway Engineer Ben Burke	Roadway Design Tech. Troy Williams	Engineering in Training Jayce Allen	Design Technician Peter Remus	Land Surveyor Brian Lish	Land Surveyor Austin Ishino	Survey Technician Rhen Parmenter	GIS Analyst Eric Verner	Env. Planner Samantha Patterson	Historian Ben Pearson	Sr. Public Involvement Specialist Gemma Puddy	Public Involvement Specialist Jessamyn Summers	Graphic Designer Aaron Thorup	Drainage Engineer Kirk Kauer	Accounting Sara Barker	Total Hours	Labor Cost Horrocks	Overhead Horrocks	Labor and Overhead Horrocks
		\$108.17	\$78.36	\$76.92	\$49.89	\$35.56	\$46.89	\$55.52	\$45.43	\$32.10	\$50.19	\$41.08	\$38.86	\$49.86	\$34.85	\$38.65	\$44.01	\$37.18				
		104	36	401	264	0	0	53	50	39	106	64	74	19	30	28	0	32	1300			
		\$11,249.68	\$2,820.96	\$30,844.92	\$13,170.96	\$0.00	\$0.00	\$2,942.56	\$2,271.50	\$1,251.90	\$5,320.14	\$2,629.12	\$2,875.64	\$947.34	\$1,045.50	\$1,082.20	\$0.00	\$1,189.76	---	\$79,642.18	\$135,359.85	\$215,002.03

Work Break-Down and Day Labor Hours

File No. 111416

2-Aug-23

Transmittal 1

Deliverable/Activity	Principal	Project Manager	QC	Engineer	Geologist	CADD	Tech	Admin		TOTAL
100 ADMINISTRATION	0.0	28.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	34.0
Prepare agreements, project start-up, invoicing, and close-out		5						6		11.0
Project meetings via teleconference		3								3.0
Perform general project management		16								16.0
Remain available to answer questions		4								4.0
500 GEOTECHNICAL STUDY	0.0	31.0	12.0	172.0	0.0	1.0	107.0	0.0	0.0	323.0
500.1 Reconnaissance & Advance Preparations	0.0	23.0	0.0	16.0	0.0	1.0	3.0	0.0	0.0	43.0
Acquire/review historical roadway documents.		3								3.0
Initial site visit including (1) Review site access and traffic control matters, (2) Note general conditions for field investigation planning, (3) Photograph and document general site conditions, (4) Paint/stake boring locations, (5) Perform a pavement condition survey, (6) Install traffic counters, and (7) Note potential overhead or buried utilities interferences that may affect exploration locations.		1		16						17.0
Prepare project-specific field investigation instructions for S&W field personnel. Review the plan with S&W field staff and provide a courtesy copy of the plan to the project team. The plan will include: (1) Safety and emergency information, (2) Field coordination including boring location plan, (3.) Schedule of field activities. (4) Required observations, (5) Logging instructions, (6) Testing locations and test intervals, (7) Test procedures and testing details, (8) Subcontractor contact information, and (9) Utilities clearances matters.		3								3.0
Prepare the Cultural Resource Investigation Request (ITD from 1500) and coordinate environmental clearance for exploration activities.		3				1				4.0
Prepare traffic plans; meet with TC subcontractor; coordinate agency approval.		4								4.0
including (1) Prepare scope of service, (2) Request quotations, (3) Prepare sub-agreement, (40) Collect insurance certificate, and (5) Coordinate schedule of activities.		5								5.0
Solicit traffic data for pavement design.		1								1.0
Coordinate with city roadway maintenance foreman.		1								1.0

Work Break-Down and Day Labor Hours

File No. 111416

2-Aug-23

Transmittal 1

Deliverable/Activity	Principal	Project Manager	QC	Engineer	Geologist	CADD	Tech	Admin		TOTAL
Coordinate with DIGLINE and City of Idaho Falls to clear drill hole locations. Meet with DIGLINE in the field.		2								2.0
Prepare to mobilize to the field (schedule equipment, perform calibrations, acquire supplies, etc.) and provide a kick-off briefing for field engineers and technicians.							3			3.0
500.2 Subsurface Investigation	0.0	0.0	0.0	50.0	0.0	0.0	100.0	0.0	0.0	150.0
Advance up to nine pavement borings to about 6 feet to obtain existing pavement structure data, including travel				20			40			60.0
Advance up to two borings to about 12 feet to obtain subsurface drainage information.				10			20			30.0
Advance up to four borings to about 20 feet to obtain foundation information for signal structures.				20			40			60.0
500.3 Laboratory Testing	0.0	0.0	2.0	10.0	0.0	0.0	4.0	0.0	0.0	16.0
Unload samples, complete custody log-in, and store.				5						5.0
Review samples and prepare/coordinate testing instructions and review test reports.			2	5						7.0
At project closure, dispose of samples at Hidden Hollow Landfill.							4			4.0
500.4 Data Development & Analyses	0.0	0.0	7.0	39.0	0.0	0.0	0.0	0.0	0.0	46.0
Develop design traffic loading - ESALs.			1	2						3.0
data.			2	14						16.0
Prepare a pavement structure analysis for the mill and inlay			2	14						16.0
Prepare a new construction analysis using the Idaho R-Value method.			1	6						7.0
Develop design infiltration rates.			0.5	1.5						2.0
Develop sign structure geotechnical design parameters.			0.5	1.5						2.0
500.5 Reporting	0.0	8.0	3.0	57.0	0.0	0.0	0.0	0.0	0.0	68.0
Roadway Materials Report										
Prepare calculation summaries and the supporting data				12						12.0
Draft the report and appropriate special provisions and notes				20						20.0
Complete S&W internal QA review			2							2.0
Issue for Horrocks review and address comments		2		4						6.0
Issue for LHTAC and Owner review and address comments		2		2						4.0

Work Break-Down and Day Labor Hours

File No. 111416

2-Aug-23

Transmittal 1

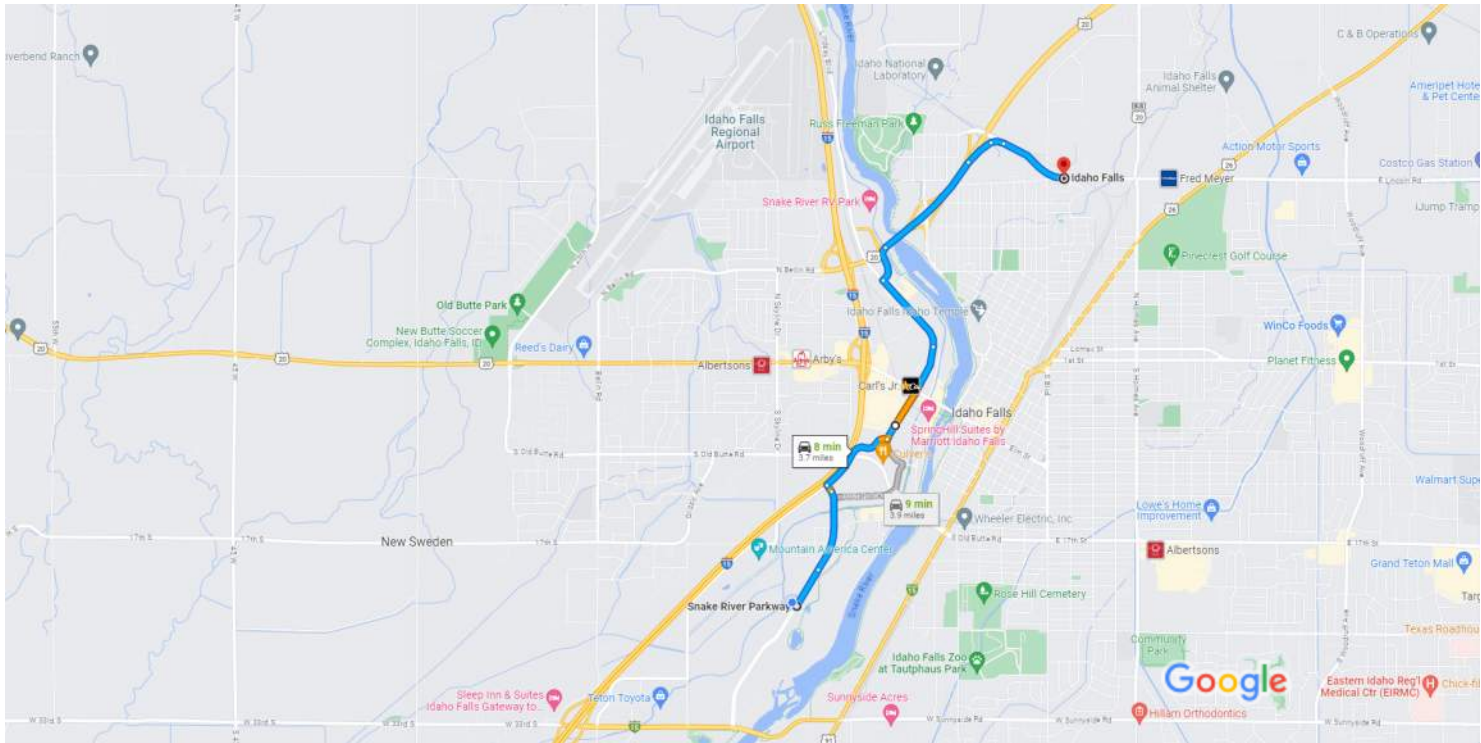
Deliverable/Activity	Principal	Project Manager	QC	Engineer	Geologist	CADD	Tech	Admin		TOTAL
<i>Geotechnical Engineering Report (Signal Structures)</i>										
Prepare calculation summaries and the supporting data appendices				6						6.0
Draft the report and appropriate special provisions and notes to contractor				10						10.0
Complete S&W internal QA review			1							1.0
Issue for Horrocks review and address comments		2		2						4.0
Issue for LHTAC and Owner review and address comments		2		1						3.0
<i>Final Design Review Letter</i>										
Review Final Design Documents to confirm the intent of the Materials Reports has been incorporated		0								
TOTAL (all tasks)	0.0	59.0	12.0	172.0	0.0	1.0	107.0	6.0	0.0	357.0

Note 1.: Geotechnical- and materials-related field activities, such as drilling, test excavations, and field testing, may involve 10- to 12-hour work days. This estimate is based on 10-hours work days for field work. Invoicing will reflect actual field time, including daily travel to the work site.



Snake River Pkwy, Idaho Falls, ID 83402 to Idaho Falls, Idaho Drive 3.7 miles, 8 min

25 round trips from the local Horrocks office to the the site. $3.7 \times 2 = 7.4$, $7.4 \times 25 = 185$ miles



Map data ©2023 2000 ft

Snake River Pkwy
Idaho Falls, ID 83402

Get on US-20 E from Snake River Pkwy, S Pioneer Rd, S Utah Ave and Lindsay Blvd

- 6 min (2.4 mi)
- ↑

1. Head northeast on Snake River Pkwy toward Warm Springs Rd

0.2 mi
- ↑

2. Continue straight to stay on Snake River Pkwy

0.5 mi
- ↑

3. Continue onto Snake River Pkwy

223 ft
- ↘

4. Turn right onto S Pioneer Rd/S Pioneer Ln

i

Continue to follow S Pioneer Rd

0.5 mi
- ↶

5. Turn left onto S Utah Ave

i

Pass by Chili's Grill & Bar (on the right in 0.5 mi)

0.6 mi
- ↑

6. Continue onto Lindsay Blvd

0.5 mi

- ↑ 7. Turn right to merge onto US-20 E toward Rigby/W Yellowstone/I-15

0.2 mi

Continue on US-20 E to Presto St/Science Center Dr. Take the Science Center Dr exit from US-20 E

- ↑ 8. Merge onto US-20 E

0.7 mi

- ↘ 9. Take the Science Center Dr exit

0.2 mi

- ↗ 10. Keep right at the fork and merge onto Presto St/Science Center Dr

377 ft

- ↑ 11. Merge onto Presto St/Science Center Dr

📍 [Continue to follow Science Center Dr](#)

42 sec (0.4 mi)

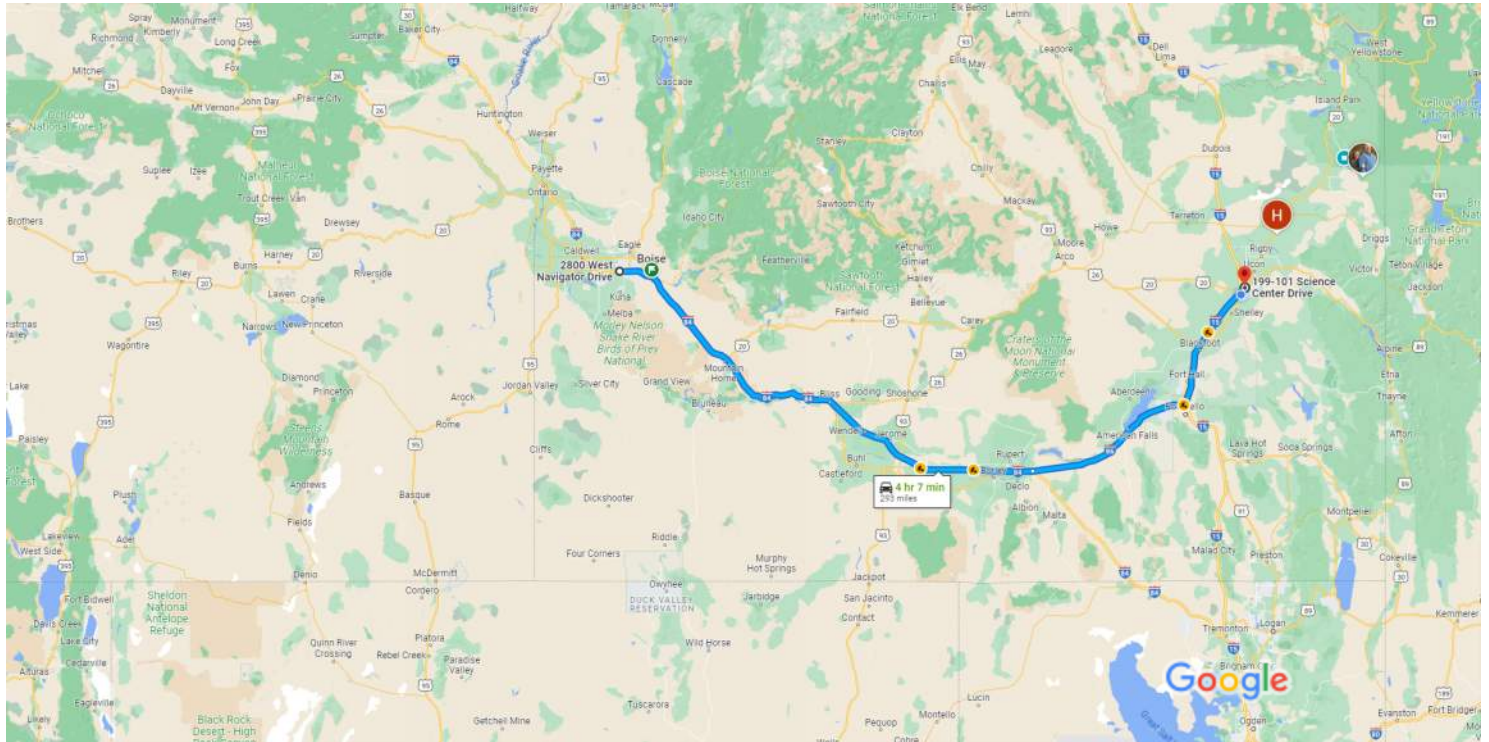
Idaho Falls

Idaho



2800 W Navigator Dr, Meridian, ID 83642 to 199-101 Science Center Dr, Idaho Falls, ID 83402

Drive 293 miles, 4 hr 7 min



Map data ©2023 Google 20 mi

2800 W Navigator Dr
Meridian, ID 83642

Get on I-84 E from S Vanguard Way and S Ten Mile Rd

- 4 min (1.6 mi)
- ↑ 1. Head west on W Navigator Dr toward S Sentinel Ln
0.1 mi
- ↑ 2. Continue onto S Vanguard Way
0.2 mi
- ↻ 3. At the traffic circle, take the 2nd exit and stay on S Vanguard Way
0.2 mi
- ↶ 4. Turn left onto S Ten Mile Rd
0.4 mi
- ↗ 5. Turn left to merge onto I-84 E toward Boise/Mountain Home
0.7 mi

Continue on I-84 E. Take I-86 E to I-15BL S/US-20 BUS/W
Broadway St in Idaho Falls. Take exit 118 from I-15 N

- 3 hr 57 min (288 mi)
- ↗ 6. Merge onto I-84 E
178 mi

7. Keep left at the fork to continue on I-86 E, follow signs for I-15/Pocatello
- 62.5 mi
8. Use the left lane to take exit 63B to merge onto I-15 N toward Blackfoot/Idaho Falls
- 46.4 mi
9. Take exit 118 for I-15BUS/US-20 BUS toward US-20 W/Historic Downtown
- 0.2 mi

Take S Utah Ave, Lindsay Blvd and US-20 E to Science Center Dr

- 9 min (3.4 mi)
10. Turn right onto I-15BL S/US-20 BUS/W Broadway St
- Pass by Wendy's (on the right)*
- 0.3 mi
11. Turn right after Carl's Jr (on the right)
- 0.5 mi
12. At the traffic circle, take the 3rd exit onto Snake River Pkwy/S Utah Ave
- Continue to follow S Utah Ave*
- Pass by Chili's Grill & Bar (on the right in 0.7 mi)*
- 0.8 mi
13. Continue onto Lindsay Blvd
- 0.5 mi
14. Turn right to merge onto US-20 E toward Rigby/W Yellowstone/I-15
- 0.9 mi
15. Take the Science Center Dr exit
- 0.2 mi
16. Keep right at the fork and merge onto Presto St/Science Center Dr
- Continue to follow Science Center Dr*
- Destination will be on the right*
- 0.4 mi

199-101 Science Center Dr
Idaho Falls, ID 83402

Science Dr

File No. 111416

2023 Field Directs

2-Aug-23

Transmittal 1

Description	Quantity	Unit	Unit Cost (FY 2017)	Extended Cost
Project Coordination and Administration				
Lodging (FY21 per diem + estimated 15% taxes and fees)		Night		
M&IE		Day		
Rental Car (Including insur & taxes)		Day		
Gasoline for Rental Car		Day		
Light Duty Vehicles - Mileage		Mile		
Heavy Duty Vehicle - Mileage		Mile		
Towing Surcharge - Mileage		Mile		
Airfare (one way)		EA		
Airport Parking		Day		
Subtotal				\$0.00

Site Reconnaissance

Lodging (FY21 per diem + estimated 15% taxes and fees)	2	Night	110.40	\$220.80
M&IE	3	Day	59.00	\$177.00
Rental Car (Including insur & taxes)		Days		
Gasoline for Rental Car		Day		
Light Duty Vehicles - Mileage		Mile		
Heavy Duty Vehicle - Mileage	300	Mile	0.815	\$244.50
Towing Surcharge - Mileage		Mile		
Airfare (one way)		Mile		
Airport Parking		Day		
Subtotal				\$642.30

Subsurface Explorations

Lodging (FY21 per diem + estimated 15% taxes and fees)	18	Night	110.40	\$1,987.20
M&IE	21	Day	59.00	\$1,239.00
Rental Car (Including insur & taxes)		Day		
Gasoline for Rental Car		Day		
Light Duty Vehicles - Mileage		Mile		
Heavy Duty Vehicle - Mileage	900	Mile	0.815	\$733.50
Towing Surcharge - Mileage		Mile		
Airfare (one way)		Day		
Airport Parking		EA		

Drilling & Field Testing by Shannon & Wilson (See estimate)	1	LS	22,478.20	\$22,478.20
Subtotal				\$26,437.90

Subcontractor Services

Drilling		LS		
Excavation		LS		
Traffic Control	1	LS	7,950.00	\$7,950.00
		LS		
		LS		
		LS		
Mylar Foundation Investigation Plat - Repro		LS	160.00	

Subtotal \$7,950.00

2023 Field Directs

2-Aug-23

Transmittal 1

Description	Quantity	Unit	Unit Cost (FY 2017)	Extended Cost
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TOTAL FIELD DIRECTS \$35,030.20

Note: Subcontractors may be changed for the convenience of American Geotechnics in executing the project objectives. Actual field expenses often differ from the estimated costs.

Pricing Updates: Pricing is updated at least annually, as appropriately determined by Shannon & Williams. Services and supplies will be billed at current standard rates, which may be different than the unit prices listed. Expedited fees may apply.

Science Dr

2023 Field Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Description	Quantity	Unit	Unit Cost	Extended Cost
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Support Vehicle

71-F1000	Light Duty Vehicle - General - Mileage		Mile		
71-F1005	Heavy Duty Vehicle - General - Mileage		Mile		
71-F1006	Ford 1-ton - Mileage		Mile		
71-F1007	Chevy 1-ton - Mileage		Mile		
71-F1008	Heavy Duty Vehicle - Rental - Mileage		Mile		
71-F1010	Towing Surcharge - Mileage		Mile		
71-F1015	Company Vehicle - Commercial (miles)		Mile		
71-F1020	Stationary Vehicle Use (Generator)		Hour		
71-F1025	Support Vehicle w/ Amber Lights		Day		
				Subtotal	\$0.00

Field Testing

71-F2010	Laser Level, Tripod & Measurement Rod		Day		
71-F2020	One-Man Zip Level		Day		
71-F2040	Field Sample Table		EA/Day		
71-F2200	Dynamic Cone Penetrometer (DCP)-COE		Test		
71-F2210	Dynamic Cone Penetrometer (DCP)-Triggs		Test		
71-F2220	Triggs DCP Stork Lifter w/motor	2	Day	210.00	\$420.00
71-F2240	Static Cone Penetrometer (SCP)		Day		
71-F2290	Boutwell w/supplies		Test		
71-F2300	Guelph Permeameter		Test		
71-F2310	3-inch Drive Sampler		EA		
71-F2320	Shelby Tube Transportation Crate		EA/Week		
71-F2330	Shelby Tube Wax Seal Kit		Week		
71-F2340	Water Level Meter		Day		
71-F2400	Field Vane Shear Kit		Day		
71-F2500	Megger Soil Resistivity Meter w/cables		Day		
71-F2540	Hand Auger (day)		Day		
71-F2600	Digital Camera		Day		
71-F2605	Soil Nail Pullout Testing Equipment		Day		
71-F2650	USBR 7300-89 Field Permeability Testing Equipment		EA/Day		
				Subtotal	\$420.00

Non-Destructive Testing

71-F3001	GPR Mobilization (Lump Sum)		LS		
71-F3002	GPR Mobilization (Lump Sum)		LS		
71-F3003	GPR Mobilization (Lump Sum)		LS		
71-F3004	GPR Mobilization (Lump Sum)		LS		
71-F3005	GPR Mobilization (Lump Sum)		LS		
71-F3006	GPR Mobilization (Lump Sum)		LS		
71-F3020	GPR Mobilization (Per Mile)		Mile		
71-F3100	GPR Testing - Roadway Data Collection		Lane Mile		
71-F3120	GPR Testing-Buried Utilities/Tanks-Data Collection & Location Marking		Hour		
71-F3130	GPR Testing- Buried Utilities/Tanks - Equipment Rental		Day		
71-F3140	GPR Testing - Bridge Deck Data Collection (per scan type)		SF		
71-F3305	Vibration Monitoring Equipment Fee		EA/Week		

2023 Field Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Description	Quantity	Unit	Unit Cost	Extended Cost
71-F3310	Vibration Monitoring Equipment Setup Fee		LS/EA		
71-F3320	Vibration Monitoring Equipment Maintenance		HR		
71-F3340	Vibration Monitoring Web Page Setup		LS		
71-F3360	Vibration Monitoring Website/Modem Fee/Insurance		EA/Month		
71-F3405	COCLA Geological Stratum Compass		Day		
71-F3410	Schmidt Hammer		Day		
71-F3415	Truepulse 360R (Rangefinder, Inclinator & Compass)		Day		
71-F3420	Inclinometer - Durham Slope Indicator w/ Cable & Reel		Day		
71-F3422	Inclinometer - Data Recorder (Toughpad)		Day		
71-F3424	Inclinometer - Cable Clamp w/ Casing Extension		Day		
71-F3427	Inclinometer - 5' Slope Indicator Inclinometer Casing (Snap Joint)		EA		
71-F3429	Inclinometer - Well Head Setup		EA		
71-F3432	VW Borehole Piezometer , 100 PSI, 100 ft, Thermistor		EA		
71-F3435	VW Piezometer Mini Logger w/Temperature		Month		
71-F3437	VW Piezometer - Data Recorder (Tablet) w/USB cable		Day		
71-F3501	FWD Mobilization (Lump Sum)		LS		
71-F3502	FWD Mobilization (Lump Sum)		LS		
71-F3503	FWD Mobilization (Lump Sum)		LS		
71-F3504	FWD Mobilization (Lump Sum)		LS		
71-F3505	FWD Mobilization (Lump Sum)		LS		
71-F3506	FWD Mobilization (Lump Sum)		LS		
71-F3520	FWD Mobilization (Per Mile)		Mile		
71-F3600	Dynatest 8002 FWD (9 Sensors) - Project Reference Calibration		LS		
71-F3610	Dynatest 8002 FWD (9 Sensors) - Collection (Day)		Day		
71-F3620	Dynatest 8002 FWD (9 Sensors) - Collection (Mile)		Lane Mile		
71-F3635	Load Transfer Efficiency (LTE) testing - 10 tests/mob		EA		
71-F3650	TimeMark Traffic Counter w/Set Up & Supplies		EA/Week		
71-F3705	Geometrics Seismic Refraction Survey Equipment		Day		
71-F3715	Geometrics Seismic Refraction Survey Equipment		Week		
71-F3718	Saximeter		Day		
71-F3720	Drone Survey Equipment		Day		
				Subtotal	\$0.00

Drilling and Sampling

71-F4001	S&W Drill Rig Mobilization (Lump Sum)		LS		
71-F4002	S&W Drill Rig Mobilization (Lump Sum)		LS		
71-F4003	S&W Drill Rig Mobilization (Lump Sum)		LS		
71-F4004	S&W Drill Rig Mobilization (Lump Sum)		LS		
71-F4005	S&W Drill Rig Mobilization (Lump Sum)		LS		
71-F4006	S&W Drill Rig Mobilization (Lump Sum)	1	LS	1,015.20	\$1,015.20
71-F4008	S&W Drill Rig Mobilization (Per Mile)		Mile		
71-F4010	Nighttime Mobilization Fee (Lump Sum)		LS		
71-F4012	Hazardous Duty project surcharge (Lump Sum)	1	LS	650.00	\$650.00
71-F4020	S&W Drill Rig Stand-by		HR		
71-F4022	S&W Drill Rig Auger Drilling and Sampling (hourly)	50	HR	325.00	\$16,250.00
71-F4028	Difficult Drilling Surcharge		FT (CA)		
71-F4030	Replacement Auger Cutter Head		EA		
71-F4032	Replacement Hollow Stem Auger 3-1/4", 3 key, 4 ft.		EA		
71-F4034	Replacement Auger Cutter Head		EA		
71-F4036	Replacement Carbide Teeth		EA		

2023 Field Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Description	Quantity	Unit	Unit Cost	Extended Cost
71-F4038	Replacement Center Carbide Bit	1	EA	120.00	\$120.00
71-F4042	4' AWJ Rod		EA		
71-F4044	5' AWJ Rod		EA		
71-F4046	AWJ Push-Pull Adapter		EA		
71-F4048	Rock Sounding Probe Point		EA		
71-F4050	2" x 24" Lynac Heavy Duty Split Tube		EA		
71-F4052	3" x 24" Lynac HD Split Spoon Assy		EA		
71-F4055	2" Sampler Shoe	2	EA	50.00	\$100.00
71-F4057	3" Sampler Shoe		EA		
71-F4060	Concrete Coring (4-inch Dia)		Inch		
71-F4062	Concrete Coring (10-inch Dia)		Inch		
71-F4070	Asphalt Coring (4-inch Dia)	108	Inch	18.00	\$1,944.00
71-F4072	Asphalt Coring (6-inch Dia)		Inch		
71-F4075	Asphalt Coring (12-inch Dia)		Inch		
71-F5006	AC Fatigue (bott-up/top-down) Core with photo		EA		
71-F4080	Rock Sounding (ft)		FT		
				Subtotal	\$20,079.20

Drilling Supplies

71-F5133	Disposable Data Collection Tablet		EA		
71-F5140	Plastic buckets with lids		EA		
71-F5150	4.0 O.D. Thin-Walled sampling tube with end caps		EA		
71-F5155	4. O.D. Tube Disposable O-Ring Packer Seal		EA		
71-F5200	Shelby (2.88") Tube w/caps		EA		
71-F5205	Shelby (2.88") Tube Disposable O-Ring Packer Seal		EA		
71-F5210	OSS Ring Sample Tubes w/caps		EA		
71-F5215	HQ Core Box		EA		
71-F5220	1.5" OD x 24" Split Tube Plastic Liner		EA		
71-F5225	HDPE Quart sample Jar w/lid		EA		
71-F5250	10" Steel Bridge Deck Coring Plug		EA		
71-F5270	Bentonite Chips		EA		
71-F5275	Bentonite Powder		EA		
71-F5280	60 lb Sand/Gravel Fill	9	EA	16.00	\$144.00
71-F5285	60 lb No. 20 Silica Sand		EA		
71-F5290	60 lb 1/2" Minus Gravel		EA		
71-F5295	Asphalt Patch	9	EA	45.00	\$405.00
71-F5300	Ready Mix Concrete		EA		
71-F5305	Rapid Set Concrete Patch		EA		
71-F5310	Epoxy Concrete		EA		
71-F5360	2" Monitor Well Threaded Pipe and Screen (to 20' BGS)		EA		
71-F5365	2" Locking Cap		EA		
71-F5370	Flush Mount Vault - Plastic		EA		
71-F5375	Flush Mount Vaults - Steel		EA		
71-F5380	55-Gallon Steel Drum		EA		
				Subtotal	\$549.00

Equipment Rental

71-F7010	Dump Trailer		Day		
71-F7012	Utility Trailer		Day		

2023 Field Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Description	Quantity	Unit	Unit Cost	Extended Cost
71-F7020	Erosion & Sediment Control BMPs - 50 lb Bag Grass Seed		EA		
71-F7030	Traffic Control - RWA Signs		Day		
71-F7032	Traffic Control - Delineator		EA/Day		
71-F7034	Traffic Control - LED Flashers w/Battery		Day		
71-F7036	Traffic Control - Truck-Mounted Arrow Board		Day		
71-F7038	Traffic Control - Crash Attenuator		Day		
71-F7100	Excavator Mobilization (fill in make & model)		LS		
71-F7105	Excavator Rental (fill in make & model) incl fuel and accessories		Day		
71-F7205	Heavy Duty 1/2" Drill		Day		
71-F7210	3/8" Drill		Day		
71-F7220	1/2" Hammer Drill		Day		
71-F7225	Heavy Duty Rotary Hammer Drill		Day		
71-F7230	Sawzall		Day		
71-F7250	Concrete Nailer w/Supplies		Day		
71-F7260	Portable Cement Mixer		Day		
71-F7270	Stihl Chainsaw w/Supplies		Day		
71-F7280	Propane Weed Burner w/ Propane		Day		
71-F7290	25 Gallon Air Compressor		Day		
71-F7300	8450 Watt Generator		Day		
71-F7310	3000 Watt Generator		Day		
71-F7320	50 Gallon Water Tank		Day		
71-F7330	Flood Lights		Day		
71-F7340	Propane Heater w/Propane		Day		
71-F7350	Wet/Dry Vacuum		EA/Day		
71-F7400	Trailer-Mounted Core Drill		Day		
71-F7420	Electric Core Drill		Day		
71-F7425	1/12 HP AC Water Pump w/ Hoses		EA/Day		
71-F7430	1/4 HP Submersible Pump w/ Hoses		Day		
71-F7450	250 Gallon Water Tank		Day		
71-F7500	Canopy		Day		
71-F7520	Topcon GRS-1 GPS with pole		LS/WK		
71-F7530	Sub-Meter GPS Survey System		Day		
71-F7540	Sub-Meter GPS Survey System	1	WK	1,110.00	\$1,110.00
				Subtotal	\$1,110.00

Specialized Software

71-S9110	AASHTOWare PME & BCT		LS		
71-S9113	ProjectWise - Use on-demand		LS		
71-S9115	GEOSTUDIO		LS		
71-S9120	gINT	1	LS	200.00	\$200.00
71-S9130	RADAN		LS		
71-S9100	LPILE		LS		
71-S9120	DRIVEN		LS		
71-S9125	SETTLE		LS		
71-S9130	MSEW+		LS		
71-S9135	ReSSA+		LS		
71-S9140	DIPS		LS		
71-S9145	GRLWEAP		LS		
71-S9150	Microsoft Project		LS		
71-S9155	AutoDesk		LS		

2023 Field Testing Schedule - Confidential

File No. 111416		2-Aug-23		Transmittal 1	
Billing Code	Description	Quantity	Unit	Unit Cost	Extended Cost
71-S9160	ELMOD 6	1	LS	120.00	\$120.00
71-S9165	ShoringSuite		LS		
71-S9167	TabLog		LS		
71-S9174	Seisimager		LS		
Subtotal					\$320.00
TOTAL S&W Drilling and Field Testing					\$22,478.20

Subcontractor Changes: Subcontractors may be changed for the convenience of Shannon & Wilson in executing the project objectives.

Change of quantities: Engineer will specify exploration and testing requirements based on discovery of data needs. Quantities estimated herein may likely change to accommodate discovered project requirements.

Pricing Updates: Pricing is updated at least annually, as appropriately determined by Shannon & Wilson. Services and supplies will be billed at current standard rates, which may be different than the unit prices listed on the project estimate. Expedited fees may apply when scope of service indicates an expedited or compressed schedule.

Science Dr

2023 Laboratory Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Method	Item	Quantity	Unit	Cost	Extended Cost
SOIL CLASSIFICATION AND INDEX TESTS						
		<u>Laboratory Classification</u>				
71-L90	ASTM D2488	Baggie - ASTM Visual-Manual Classification		EA		
71-L91	ASTM D2488	Tube - ASTM Visual-Manual Classification		EA		
71-L93	ASTM D2488	50# sack - ASTM Visual-Manual Classification		EA		
71-L95	AASHTO M 145	AASHTO Soil Classification	9	EA	6.00	54.00
71-L100	ASTM D2216	Water Content	9	EA	24.00	216.00
71-L105	ASTM D2937	Water Content/Dry Unit Weight of ring sample	1	EA	85.00	85.00
71-L106	ASTM D2937	Water Content/Dry Unit Weight of Shelby tube sample (incl. tube cutting)		EA		
71-L110	ASTM D2974	Organic Content		EA		
		<u>Atterberg Limits/Plasticity</u>				
71-L120	ASTM D4318	3 pt LL, 1 pt PL (Atterberg Limits)	9	EA	130.00	1,170.00
				EA		
71-L130	ASTM D4943	Shrinkage Limits (includes Atterberg)		EA		
71-L135	ASTM D854	Specific Gravity of Soil		EA		
		<u>Particle-Size Analysis</u>				
71-L140	ASTM D1140	No. 200 Wash		EA		
71-L145	ASTM C136	Full Gradation with Wash (large sample, minus #4 split)	9	EA	145.00	1,305.00
71-L150	ASTM C136	Full Gradation with Wash (small sample)		EA		
71-L155	ASTM D422	Hydrometer to 0.002 mm (includes gradation)	1	EA	225.00	225.00
				EA		
71-L160	ASTM D2419	Sand Equivalent	1	EA	65.00	65.00
71-L165	ASTM D4647	Pinhole Dispersion for dispersive soils		EA		
MOISTURE-DENSITY RELATIONS						
71-L280	ASTM D698	Standard Proctor Curve		EA		
71-L285	ASTM D1557	Modified Proctor Curve		EA		
71-L287	COE EM, App XII	Relative Density - Max & Min (0.5 cf mold)		EA		
71-L288	N.A.	Harvard Miniature Compaction		EA		
SOIL STRENGTH AND DEFORMATION						
		<u>Vane Shear</u>				
71-L170	ASTM D4648	Laboratory Vane Shear		EA		
71-L175	N.A.	Torvane		EA		
71-L176	N.A.	Pocket Penetrometer		EA		
71-L180	N.A.	REMAC - Unconfined Compression of Soil (Undisturbed)		EA		
71-L181	ASTM D 2166, D2938	Unconfined Compression of Soil (undisturbed)		EA		
71-L182	ASTM D 2166, D2938	Unconfined Compression of Soil (remolded)		EA		
		<u>Direct Shear</u>				
71-L183	ASTM D3080, AASHTO T 236	Consolidated-Drained (Remolded) (per point)		EA		
71-L184	ASTM D3080, AASHTO T 236	Consolidated-Drained (Undisturbed) (per point)		EA		
71-L185	ASTM D3080, AASHTO T 236	Consolidated-Drained (Undisturbed) (3-points)		EA		
71-L186	ASTM D3080, AASHTO T 236	Consolidated-Drained (Remolded) (3-points)		EA		
71-L187	ASTM D3080, AASHTO T 236	Residual Strength Determination - ADD		EA		

Science Dr

2023 Laboratory Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Method	Item	Quantity	Unit	Cost	Extended Cost
		<u>Triaxial Compression</u>				
71-L195	ASTM D2850	Unconsolidated Undrained (1 point single specimen)		EA		
71-L196	ASTM D2850	Unconsolidated Undrained (3-point envelope using 3 soil specimens)		EA		
71-L197	ASTM D2850 (guide)	Unconsolidated Undrained (3-point envelope using multi-stage techniques)		EA		
71-L200	ASTM D4767	Consolidated Undrained (1 point single specimen)		EA		
71-L201	ASTM D4767	Consolidated Undrained (3-point envelope using 3 soil specimens)		EA		
71-L202	ASTM D4767	Consolidated Undrained (3-point envelope using multi-stage techniques)		EA		
71-L210	ASTM D4767	Consolidated Drained (1 point single specimen)		EA		
71-L211	ASTM D4767	Consolidated Drained (3-point envelope using 3 soil specimens)		EA		
71-L215	ASTM D4768	Consolidated Drained (3-point envelope using multi-stage techniques)		EA		
71-L218	COE EM App XA	Cyclic (1 specimen)		EA		
		<u>Bearing Ratio (CBR)</u>				
71-L220	ASTM D1883, AASHTO T 193	Undisturbed (Per point)		EA		
71-L225	ASTM D1883, AASHTO T 193	Remolded (per point)		EA		
71-L226	ASTM D1883, AASHTO T 193	Remolded, per point/ Including Proctor		EA		
71-L227	ASTM D1883, AASHTO T 193	Remolded (3 point envelope)		EA		
71-L230	ASTM D2844	R-Value	9	EA	550.00	4,950.00
71-L235	Idaho T 74	Spring Loaded Compactor Method		EA		
71-L238	AASHTO T 307	Resilient modulus (undisturbed from tube sample)	1	EA	1925.00	1,925.00
71-L239	AASHTO T307	Resilient modulus (reconsituted from bulk sample)		EA		
		VOLUME CHANGE				
71-L240	ASTM D2345	1-D consolidation without time rates (load and unload)		EA		
71-L241	ASTM D2435	1-D Consolidation with time rates ; up to 10 load and 4 unload increments		EA		
71-L245	ASTM D2435	Supplemental Unload-Reload Cycles		EA		
71-L255	ASTM D4546	1-D Swell or Settlement Potential of Cohesive Soils		EA		
71-L260		Constant Strain (measuring swell pressure)		EA		
71-L265	ASTM D5333	Collapse Potential		EA		
		HYDRAULIC CONDUCTIVITY / PERMEABILITY				
71-L270	ASTM D5084	Flexwall Permeability, Undisturbed		EA		
71-L275	ASTM D5084	Flexwall Permeability, Remolded		EA		
71-L271	ASTM D5084	Flexwall Permeability, Additional Saturation Time (up to 1 week)		EA		
71-L277	ASTM D2434	Permeability of granular soils using 4" Constant Head Permeameter		EA		
71-L278	ASTM D2434	Permeability of granular soils using 10" Constant Head Permeameter		EA		
		CORROSION				
71-L290	ASTM D6439	Resistivity	1	EA	150.00	150.00
71-L295	EPA 300.0	Chlorides (soil elutriate)	1	EA	65.00	65.00
71-L300	EPA 300.0	Sulfates (soil elutriate)	1	EA	65.00	65.00
71-L301	ASTM D4972	pH	1	EA	55.00	55.00
71-L302	EPA 209-B	Total Dissolved Solids		EA		

Science Dr

2023 Laboratory Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Method	Item	Quantity	Unit	Cost	Extended Cost
71-L303		Thermal Resistivity		EA		
71-L304	EPA 6010B	Total Metals in Soil (Pb, As, Cd, Zn)		EA		
ASPHALT CONCRETE TESTS						
71-L306	AASHTO T-166	Unit Weight of Core		EA		
71-L308		Asphalt Content and Aggregate Gradation - NCAT		EA		
71-L310		Compressive Strength of Concrete (2" diameter x 4" height molds)		EA		
71-L317		AC Core Volumetrics (for AASHTO ME design)		EA		
71-L318	AASHTO T 209	Rice Specific Gravity from AC Cores		EA		
AGGREGATE TESTING						
71-L311	WAQTC TM-1	Fracture Face		EA		
71-L312		McLeod Mix Design		EA		
71-L314	TM-225	Wood Particles		EA		
71-L315	ASTM C40	Injurious Organic Matter		EA		
71-L320	ASTM C127	Absorption and Specific Gravity, Gravel		EA		
71-L325	ASTM C128	Absorption and Specific Gravity, Sand		EA		
71-L330	ASTM C29	Unit Weight		EA		
71-L335	ASTM C131	LA Rattler (500 Rev)		EA		
71-L340	ASTM C535	LA Rattler (1000 Rev)		EA		
71-L345	ASTM C88	Sodium Sulfate Soundness		EA		
71-L350	Idaho T-13	Mortar Making Properties of Sand		EA		
71-L355	ITD T-72	Cleanliness Value		EA		
71-L360	CE-119, CE-120	Flat and Elongated Particles		EA		
71-L365	ASTM C142	Clay Lumps and Friable Particles		EA		
71-L370	ASTM C123	Lightweight Pieces in Aggregate		EA		
71-L380	ITD T-15	Idaho Degradation		EA		
71-L381	ITD T116	Disintegration of Quarry Aggregates		EA		
71-L382	AASHTO T 182	Coating and Stripping Evaluation		EA		
71-L383	AASHTO T 303	Alkali - Silica Reaction		EA		
71-L383.1	AASHTO T 380	Alkali - Silica Reaction (56-Day)		EA		
71-L383.2	ASTM C1293	Alkali - Silica Reaction (Year Long)		EA		
71-L384	AASHTO T 210	Durability Index of Coarse Aggregates		EA		
71-L385	ITD T-60	Mix Design of Cover Coat Material		EA		
71-L392	AASHTO T 303	Alkali - Silica Reaction Additional Bar Set		EA		
71-L392.1	AASHTO T 380	Alkali - Silica (56 Day) Reaction Additional Bar Set		EA		
71-L309	ASTM D4373	Carbonate Content (calcite equivalent)		EA		
71-L400		Uncompacted Voids		EA		
71-L401		Fine Aggregate Angularity		EA		
ROCK TESTING						
71-L600	ASTM D7012 Method C	Compression Strength of Intact Core Specimens (including core cutting and polishing)		EA		
71-L610		Cutting core		EA		
71-L620		Point Load Index				
		<i>Petrography</i>				
71-L695		Full		EA		
71-L696		Brief		EA		on request
GEOSYNTHETIC TESTS						

Science Dr

2023 Laboratory Testing Schedule - Confidential

File No. 111416

2-Aug-23

Transmittal 1

Billing Code	Method	Item	Quantity	Unit	Cost	Extended Cost
71-L700	ASTM D638	Shear and Peel HDPE liner (set of 3+3)		EA		
SPECIAL STUDIES						
71-L305	ASTM D1633	Cement Treated (New) Base Study (includes 3 cement contents, 3 proctors, freeze/thaw & wet/dry cycles and compressive strength testing)		EA		
71-L307	ASTM D1633	Soil Cement Subgrade Study (includes 3 cement contents, 3 proctors and compressive strength testing)		EA		
71-L313	ASTM D1633	Full Depth Reclamation and Cement Treated Base Study (includes 3 cement contents, 3 proctors, freeze/thaw & wet/dry cycles and compressive strength testing)		EA		
71-L316	ASTM C136	Hydraulic Scour Study - full gradation to 3" and merge field scanline survey data to prepare a combined particle-size distribution plot up to 3' dia. and incl S.G.		EA		
OTHER SERVICES						
71-L391		Special Handling and or Extraction		EA		
		M, Transport Tubes and Caps (disposable)	1	EA	85.00	85.00
71-L392		Shipping		LS		
71-L386		Trimming		EA		
71-L387		Remolding		EA		
71-L388		Tube Cutting	1	EA	15.00	15.00
71-L389		Core Photo (AC cores or core boxes)		EA		
71-L390		Sample Management	1	EA	95.00	95.00
71-L398		Lab Crushing		EA		
71-L900		Project Sample Storage - Storage Unit Space (Pre-bill for time beginning when project testing is completed)	1	Month	150.00	150.00
71-L901		Soil sample Login/Handling (per bucket, bag, tube, box)		EA		
71-L902		Sample Disposal in Hidden Hollow Landfill	1	EA	75.00	75.00

TOTAL LABORATORY DIRECTS \$10,750.00

Change of tests and test quantities: Engineer will specify testing requirements based on discovery of data needs. Tests and quantities of tests estimated herein may likely change to accommodate discovered project requirements.

Pricing Updates: Laboratory pricing is updated at least annually, as appropriately determined by Shannon & Wilson. Laboratory tests will be billed at current standard rates, which may be different than the unit prices listed herein. Expedited fees may apply when scope of service indicates an expedited or compressed schedule.

Post Testing Delivery: Pricing assumes pick-up of samples by Owner unless other arrangements are specified in the scope of services.

Sample Storage Policy: Samples will be disposed of unless other arrangements are specified in the scope of services.

Science Dr

>> - Traffic Control Estimate

Quotation - Mr. >>, at 208->>, dated >>

File No. 111416

2-Aug-23

Transmittal 1

Task	Quantity	Unit	Unit Cost	Extended Cost
Submit a certificate of insurance referencing the above project name and naming Shannon & Wilson as additional insured.				0.00
				0.00
Prepare a traffic control plan in accordance with ITD and MUTCD Standards. The plan must be prepared to meet the approval of the permitting agency. Coordinate approval. Provide a copy of the Plan to American Geotechnics.	1	LS	150.00	150.00
				0.00
Mob/Demob	1	LS	950.00	950.00
				0.00
Traffic Control Supervisor with pick-up truck to monitor and direct the traffic control team and including travel, hotel and per diem	5	10-HR-Day	450.00	2,250.00
Traffic Control Supervisor - OT after 10 hours		HR		
				0.00
Provide a 2 person traffic control team including all necessary vehicles, signs and, barriers, delineators and appurtenant signage or equipment necessary to conduct a safe traffic control operation, and including travel, hotel and per diem	5	10-HR-Day	920.00	4,600.00
Traffic control team - OT after 10 hours		HR		
				0.00
Tribal labor agreement (two persons)		HR		0.00
				0.00
				0.00

Prices shall include all taxes and the following Subcontractor insurances:

Workers Compensation at Statutory Limits

General Liability at minimum \$2,000,000

Automobile Liability at minimum \$1,000,000

DIRECT COST \$7,950.00

Science Center Drive, N Boulevard to Holmes Ave

KN 22008

Public Involvement Expenses

Item	Qty	Unit Price	Total	Notes
Public Meeting Displays	10	\$ 50.00	\$ 500.00	in-house printing, shipping not included
Sign-in sheets, comment forms	150	\$ 0.35	\$ 52.50	
Newspaper display + online	1	\$ 545.00	\$ 545.00	1/4 page ad in Post Register (See rates)
6" x 9" Mailer	1500	\$ 0.60	\$ 900.00	includes printing and postage
Total			\$ 1,997.50	

Not included:

- Event space rental
- Self-guided virtual public meeting
- Court reporter
- Translations
- Hotline
- Email blasts
- Refreshments

Display Advertising Rates

2023 Media Guide

More **Local** | More **Reach** | More **Results**



Modular Rates

Size	Specs	13x	8x	6x	4x	1x
Full page 60,000 impressions	9.83" W x 20" H	\$960	\$1,110	\$1,160	\$1,210	\$1,360
Half page 60,000 impressions	9.83" W x 10" H	\$580	\$680	\$780	\$880	\$905
1/4 page 30,000 impressions	4.82" W x 10" H	\$315	\$365	\$405	\$495	\$545
1/8 page 15,000 impressions	4.82" W x 5" H	\$200	\$250	\$275	\$310	\$350
1/16 page 7,000 impressions	3.15" W x 3.5" H	\$120	\$135	\$150	\$160	\$175

Prices per insertion. Prices are net, no agency discounts; Online impressions run within 7 days of print.

Ask your MMAE about advertising in our sister publications!

IDAHO

- Challis Messenger
- E.I. Business Journal
- Farm & Ranch
- Idaho State Journal

• Jefferson Star

- Montpelier News-Examiner
- Preston Citizen
- Standard Journal
- Teton Valley News

UTAH

- Logan Herald
- Tremonton Leader

Memorandum

File #: 23-341

City Council Meeting

FROM: Chris H Fredericksen
DATE: Tuesday, November 21, 2023
DEPARTMENT: Public Works

Subject

Change Order 1 for the Raised Median Safety Improvement Project

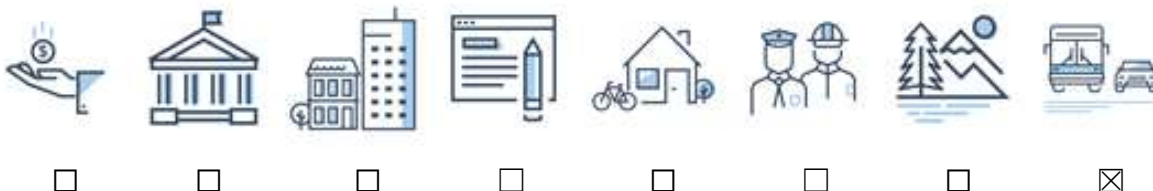
Council Action Desired

☐ Ordinance
 ☐ Resolution
 ☐ Public Hearing
☒ Other Action (Approval, Authorization, Ratification, etc.)
 Ratification of the change order and authorization for the Mayor to sign the necessary documents (or take other action deemed appropriate).

Description, Background Information & Purpose

Attached for consideration is a change order with DL Beck, Inc., regarding the Raised Curb Median Safety Improvement Project. The change order provides for a revised start date and accommodates additional work to construct median U-turns and roadway bulb-outs as part of this project.

Alignment with City & Department Planning Objectives



The change order supports the community-oriented result of reliable public infrastructure and transportation by allowing for the construction of safety improvements along South 25th East.

Interdepartmental Coordination

All interdepartmental coordination required for this change order has taken place.

Fiscal Impact

The original contract for the Raised Median Safety Improvement Project was for \$258,751.00 and the total anticipated cost of implementing this change order is \$148,655.08. Federal funds have been allocated to pay for \$102,000 of this work. The City's share of the change order cost amounts to approximately \$46,655.08. Sufficient Street Division funding and budget authority exist to complete this work.

Legal Review

The Legal Department has reviewed the change order.

2-38-27-2-STR-2022-10
2023-080



Change Order

Idaho Transportation Department

ITD 0400 (Rev.05-14)
itd.idaho.gov

Paying Through: ☐ WinCaps ☒ AASHTOWare

See Contract Administration Manual Section 104.02

Key Number 22886	Project Number A022(886)	Contract Number 8826
Program Number T226960	Location Raised Curb Medians Safety Improvements, Idaho Falls	
Contractor's Name DL Beck, Inc.	Change Order Number 01	Date of Contractor Authorization 10/30/23

You are ordered to perform the work described or incorporated below in accordance with the Contract or as amended by this change order. The cost to perform this work includes all labor, equipment, materials, overhead, and all other incidental costs associated with completing the work.

CHANGE IN PLANS & SPECIFICATIONS

- Description:** The contractor requested that the project start be delayed until a large adjacent project is completed. This change order modifies the late construction start date in order to better coordinate traffic control activities, reduce traffic congestion, and provide a safer environment for both the traveling public and construction workers.

ON SHEET 1 OF 18 OF THE CONTRACT SPECIAL PROVISIONS UNDER CONTRACT TIME AND LIQUIDATED DAMAGES:

Delete "July 27, 2023" and replace with "October 9, 2023"

This change order incorporates additional median U-turn & Roadway Bulb-out work into the project. This additional work addresses public concerns regarding business access and traveling public safety. This change order adds pay items to the contract to compensate the contractor for the additional U-turn & Roadway Bulb-out work associated with the attached plan sheets. This change order makes the following changes to the contract, all other items in the contract will be maintained.

Several contractor proposed cost saving construction items will be incorporated into the contract. These items include using stamped concrete (S915-05B) in place of the planned brick pavers (S915-05A) and allowing the contractor to install Type I curbing on the existing pavement (615-331A) at a reduced price.

- Materials:** Provide materials as outlined in this change order and the project documents. The 106.01.A Buy America provision applies to all materials permanently incorporated in the project.
 - 202-005A Remove Tree (c01)** – Provide materials meeting the requirements of Subsection 202.02.
 - 202-002A Removal of Obstruction (J-Box)(c01)** – Provide materials meeting the requirements of Subsection 202.02.
 - 203-060A Removal of Sidewalk (c01)** – Provide materials meeting the requirements of Subsection 203.02.
 - 203-070A Removal of Curb & Gutter (c01)** – Provide materials meeting the requirements of Subsection 203.02.
 - 614-015A Sidewalk (c01)** – Provide materials meeting the requirements of Subsection 614.02. Meet the curing compound requirements of 709.01. Materials furnished for this bid item must be accompanied by form ITD-0875, Certification of Concrete with Specified Strength of 3000 psi or less, completed by the manufacturer certifying that material furnished was manufactured in accordance with the project specifications.
 - 615-330A Variable Width Valley Gutter (c01)** – Provide materials meeting the requirements of Subsection 615.02. Use Class 30 Concrete in accordance with Section 509 – Nonstructural Concrete. Meet the curing compound requirements of 709.01. Materials furnished for this bid item must be accompanied by form ITD-0875, Certification of Concrete with Specified Strength of 3000 psi or less, completed by the manufacturer certifying that material furnished was manufactured in accordance with the project specifications.
 - 615-331A Curb Type 1 (reduced)(c01)** – Provide materials meeting the requirements of Subsection 615.02. Use Class 30 Concrete in accordance with Section 509 – Nonstructural Concrete. Meet the curing compound requirements of 709.01. Materials furnished for this bid item must be accompanied by form ITD-0875, Certification of Concrete with Specified Strength of 3000 psi or less, completed by the manufacturer certifying that material furnished was manufactured in accordance with the project specifications.

Change Order

Idaho Transportation Department

ITD 0400 (Rev.05-14)

itd.idaho.gov

Key Number 22886	Project Number A022(886)	Contract Number 8826
Program Number T226960	Location Raised Curb Medians Safety Improvements, Idaho Falls	
Contractor's Name DL Beck, Inc.	Change Order Number 01	Date of Contractor Authorization 10/30/23

- h. **615-490A Curb & Gutter (standard)(c01)** - Provide materials meeting the requirements of Subsection 615.02. Use Class 30 Concrete in accordance with Section 509 – Nonstructural Concrete. Meet the curing compound requirements of 709.01. Materials furnished for this bid item must be accompanied by form ITD-0875, Certification of Concrete with Specified Strength of 3000 psi or less, completed by the manufacturer certifying that material furnished was manufactured in accordance with the project specifications.
- i. **615-490B Curb & Gutter (lip down)(c01)** - Provide materials meeting the requirements of Subsection 615.02. Use Class 30 Concrete in accordance with Section 509 – Nonstructural Concrete. Meet the curing compound requirements of 709.01. Materials furnished for this bid item must be accompanied by form ITD-0875, Certification of Concrete with Specified Strength of 3000 psi or less, completed by the manufacturer certifying that material furnished was manufactured in accordance with the project specifications.
- j. **Trench Excavation/Backfill (c01)** – Provide materials meeting the requirements of 205.02.
- k. **S915-05B SP Colored & Patterned Concrete (c01)** - Use Class 30 Concrete in accordance with Section 509 – Nonstructural Concrete. Meet the curing compound requirements of 709.01. Provide color additive that is integral to the mix and red brick in color. Submit color samples for approval prior to construction. Submit pattern samples for approval prior to construction. Imprint pattern will be “Brick Basket Weave” pattern. Use mat type imprint tools for texturing freshly placed concrete. Form release agent will be per the manufacturer’s recommendations and will be non-staining, dissipative type. Seal concrete per the manufacturer’s recommendations to improve weathering and mildew resistance. Materials furnished for this bid item must be accompanied by form ITD-0875, Certification of Concrete with Specified Strength of 3000 psi or less, completed by the manufacturer certifying that material furnished was manufactured in accordance with the project specifications.

3. Construction Requirement: Complete construction in accordance with this change order and the project documents.

- a. **202-005A Remove Tree (c01)** – Remove in accordance with Subsection 202.03 and the attached plan sheets.
- b. **202-002A Removal of Obstruction (J-Box)(c01)** – Remove in accordance with Subsection 202.03 and the attached plan sheets.
- c. **203-060A Removal of Sidewalk (c01)** – Remove in accordance with Subsection 203.03 and the attached plan sheets.
- d. **203-070A Removal of Curb & Gutter (c01)** – Remove in accordance with Subsection 203.03 and the attached plan sheets.
- e. **614-015A Sidewalk (c01)** – Construct in accordance with Subsection 614.03 and the attached plan sheets.
- f. **615-330A Variable Width Valley Gutter (c01)** – Construct in accordance with Subsection 615.03 and the attached plan sheets.
- g. **615-331A Curb Type 1 (reduced)(c01)** – Construct in accordance with Subsection 615.03, the attached plan sheets, and as directed. Place 615-331A Type 1 curb section on top of the existing pavement with steel anchors.
- h. **615-490A Curb & Gutter (standard)(c01)** - Construct in accordance with Subsection 615.03 and the attached plan sheets.
- i. **615-490B Curb & Gutter (lip down)(c01)** - Construct in accordance with Subsection 615.03, the attached plan sheets, and attached City of Idaho Falls Standard Drawing IF-701C.
- j. **Trench Excavation/Backfill (c01)** – Construct in accordance with Subsection 205.03.
- k. **S915-05B SP Colored & Patterned Concrete (c01)** – Construct in accordance with the attached plan sheets and in accordance with Section 575 Textured Concrete Surface, except as modified herein. Apply imprinting tools when the concrete is still in the plastic stage of set to make the approved patterned surface. Properly tamp tools into the surface to achieve the required texture, with uniformity of pattern and depth of stamping. Utilize bond breaker to keep tools from sticking to fresh concrete. Apply release material to the troweled surface prior to imprinting. Submit field samples of texture and pattern for approval prior to beginning work. The field sample will be 48 inches by 48 inches in size, and representative of the final finish. Wait to proceed with work until the sample has been approved. Construct new samples, as necessary, to obtain approval. The sample may be constructed within the patterned concrete area shown on the project plans. Remove samples that are not accepted and approved at no additional cost to the Department. Use the approved sample as the reference standard for all patterned concrete constructed for the project.

4. Method of Measurement: The Engineer will measure acceptably completed work as follows:

- a. **202-005A Remove Tree (c01)** – by the each (EA).
- b. **202-002A Removal of Obstruction (J-Box)(c01)** – by the each (EA).
- c. **203-060A Removal of Sidewalk (c01)** – by the square yard (SY).
- d. **203-070A Removal of Curb & Gutter (c01)** – by the foot (FT).

Change Order

Idaho Transportation Department

ITD 0400 (Rev.05-14)

itd.idaho.gov

Key Number 22886	Project Number A022(886)	Contract Number 8826
Program Number T226960	Location Raised Curb Medians Safety Improvements, Idaho Falls	
Contractor's Name DL Beck, Inc.	Change Order Number 01	Date of Contractor Authorization 10/30/23

- e. 614-015A Sidewalk (c01) – by the square yard (SY).
- f. 615-330A Variable Width Valley Gutter (c01) – by the each (EA).
- g. 615-331A Curb Type 1 (reduced)(c01) – by the foot (FT).
- h. 615-490A Curb & Gutter (standard)(c01) – by the foot (FT).
- i. 615-490B Curb & Gutter (lip down)(c01) – by the foot (FT).
- j. Trench Excavation/Backfill (c01) – by the Lump Sum (LS).
- k. S915-05B SP Colored & Patterned Concrete (c01) – by the square foot (SF).

The Engineer will not measure excavation, structure excavation, or backfill as this will be incidental to their respective items.

5. **Basis of Payment:** The Department will pay for accepted quantities as follows:

ESTIMATED DECREASE IN CONTRACT ITEMS AT CONTRACT PRICES

615-256A	CURB TYPE 1 (c01)	(408.0)	FT	@	\$55.00 /FT	=	(\$22,440.00)
S915-05A	SP-2 1/4" BRICK PAVERS (c01)	(1154.0)	SF	@	\$35.00 /SF	=	(\$40,390.00)
TOTAL ESTIMATED DECREASE						=	(\$62,830.00)

ESTIMATED INCREASE IN CONTRACT ITEMS AT CONTRACT PRICES

615-255A	CURB (c01)	846.0	FT	@	\$48.00 /FT	=	\$40,608.00
TOTAL ESTIMATED INCREASE						=	\$40,608.00

ESTIMATE OF EXTRA WORK AT AGREED PRICES

202-005A	REMOVE TREE (c01)	2	EA	@	\$450.00 /EA	=	\$900.00
203-002A	REMOVAL OF OBSTRUCTION (J-BOX)(c01)	1	EA	@	\$450.00 /EA	=	\$450.00
203-060A	REMOVAL OF SIDEWALK (c01)	28	SY	@	\$60.00 /SY	=	\$1,680.00
203-070A	REMOVAL OF CURB & GUTTER (c01)	588	FT	@	\$5.00 /FT	=	\$2,940.00
614-015A	SIDEWALK (c01)	28	SY	@	\$85.00 /SY	=	\$2,380.00

Change Order

Idaho Transportation Department

ITD 0400 (Rev.05-14)

itd.idaho.gov

Key Number 22886	Project Number A022(886)	Contract Number 8826
Program Number T226960	Location Raised Curb Medians Safety Improvements, Idaho Falls	
Contractor's Name DL Beck, Inc.		Date of Contractor Authorization 10/30/23

615-330A	VARIABLE WIDTH VALLEY GUTTER (c01)	436	SY	@	\$115.00 /SY	=	\$50,140.00
615-331A	CURB TYPE 1 (REDUCED)(c01)	562	FT	@	\$19.09 /FT	=	\$10,728.58
615-490A	CURB & GUTTER (STANDARD)(c01)	68	FT	@	\$80.00 /FT	=	\$5,440.00
615-490B	CURB & GUTTER (LIP DOWN)(c01)	508	FT	@	\$80.00 /FT	=	\$40,640.00
S904-05A	TRENCH EX/BACKFILL (c01)	1	LS	@	\$650.00	=	\$650.00
S915-05B	SP COLORED & PATTERNED CONCRETE (c01)	1700	SF	@	\$16.58 /SF	=	\$28,186.00
S915-05C	MOBILIZATION (c01)	1	LS	@	\$26,742.50	=	\$26,742.50

TOTAL ESTIMATED INCREASE **\$170,877.08****NET ESTIMATED INCREASE** **\$148,655.08****Contract Time:** No additional time is provided as part of this change order.

By reason of this change, contract time will be adjusted by

0 (none)☒ Working Days☐ Calendar Days

We agree that if this Change Order is approved, we will perform the work described or incorporated as shown above and be compensated at the prices specified.

Contractor's Signature		Date
City, County, or Highway District Agency's Name City of Idaho Falls		
Authorized Representative's Signature	Title	Date

Approved for State of Idaho

Authorized Representative's Signature 	Title LHTAC Administrator	Date 11/20/2023
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25TH EAST MEDIAN
U-TURN IMPROVEMENTS
PROJECT # 2-38-28-4-STR-2023-24



MAYOR

REBECCA L. NOAH CASPER

CITY COUNCIL

MICHELLE ZIEL-DINGMAN
LISA BURTENSHAW
THOMAS HALLY



JIM FRANCIS
JOHN B. RADFORD
JIM FREEMAN

ENGINEERING DIVISION

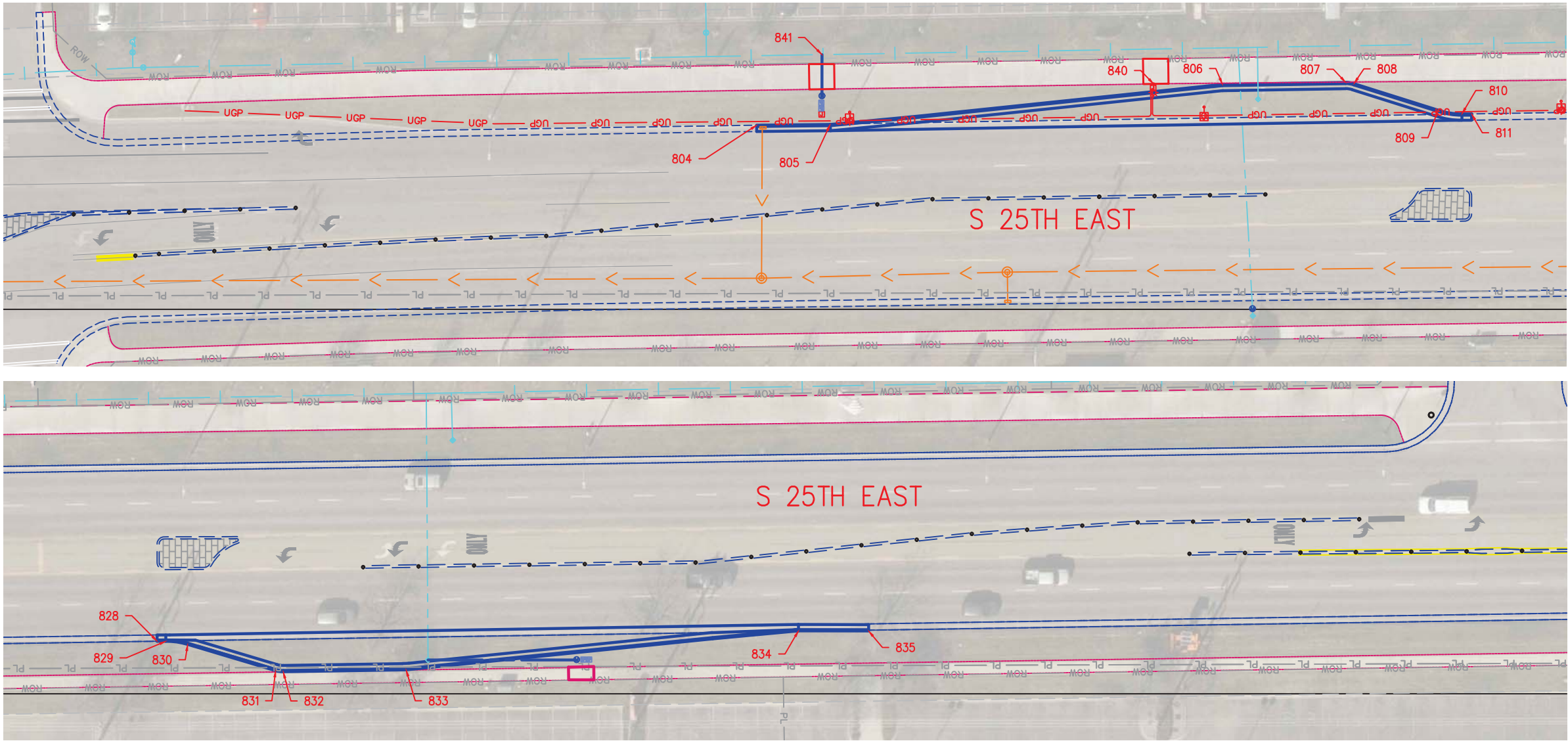
PUBLIC WORKS DIRECTOR
CHRIS H FREDERICKSEN, P.E.

CITY ENGINEER
KENT J. FUGAL, P.E., PTOE

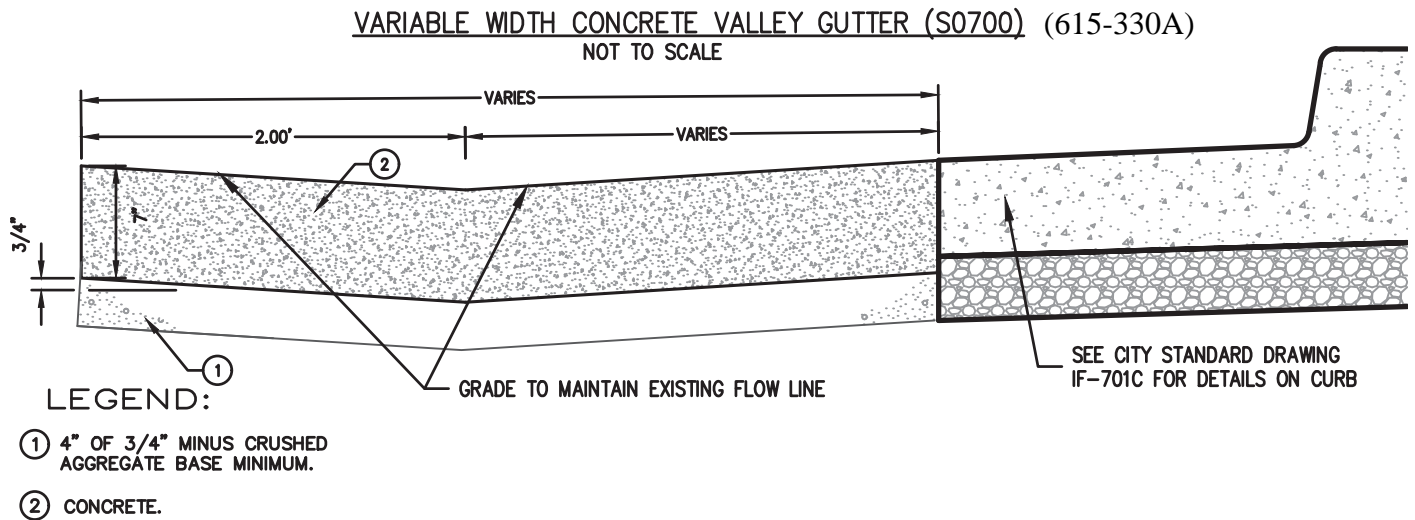
2023

			
Digitally signed by Kent J. Fugal; A01410C00000177F92E041C00017648 Date: 2023.09.14 16:44:48-06'00'			
AS BUILT DATE / BY: _____ / _____			
SCALE SHOWN IS FOR SHEET 11 x 17 ONLY			
ENGINEERING DIVISION			
25TH EAST MEDIAN U-TURN IMPROVEMENTS TITLE PAGE			
CHECKED BY: KF	DESIGN TECH: CW	DATE PLOTTED: 9/14/2023	SHEET NO. 1 OF 4

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POINT#	NORTHING	EASTING	DESCRIPTION
804	657426.6119	704716.9918	BOC
805	657455.7099	704716.7039	BOC LIP DOWN
806	657611.2296	704700.8328	BOC LIP DOWN
807	657660.0959	704700.0677	BOC LIP DOWN
808	657663.3820	704700.5688	BOC LIP DOWN
809	657696.7239	704711.0565	BOC LIP DOWN
810	657706.1762	704712.5634	BOC LIP DOWN
811	657709.9983	704712.5553	BOC
828	658610.3672	704769.1709	BOC
829	658613.8538	704769.1635	BOC LIP DOWN
830	658622.5110	704770.4206	BOC PT
831	658657.3673	704780.8421	BOC PC
832	658660.3884	704781.2599	BOC PT
833	658709.0998	704780.4972	BOC AP
834	658864.6557	704765.0223	BOC
835	658892.4558	704765.0873	BOC
840	657583.9169	704700.6675	LIGHT POLE
841	657452.4621	704689.0427	WTR SERVICE



BASIS OF BEARINGS

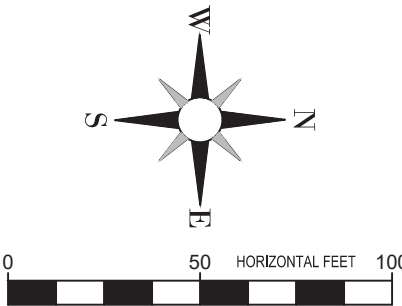
THE BEARING ALONG THIS LINE IS THE BASIS FOR ALL OTHER BEARINGS LISTED ON THE PROJECT SURVEY. THIS BEARING RELATES DIRECTLY TO THE "CITY OF IDAHO FALLS COORDINATE SYSTEM OF 2004" WHICH IS DERIVED FROM THE IDAHO STATE PLANE COORDINATE SYSTEM (EAST ZONE 1101), US SURVEY FEET, AND USING A COMBINED SCALE FACTOR OF 1.000277265 FOR A GRID TO GROUND CONVERSION [REFERENCE FRAME NAD_83 (2011), EPOCH 2010.0000]. THE SYSTEM ORIENTATION IS BASED ON GRID NORTH ALONG THE EAST ZONE CENTRAL MERIDIAN. NO CONVERGENCE ANGLE HAS BEEN APPLIED.

ENGINEERS NOTE:

IN COMPLIANCE WITH IDAHO CODE § 55-1613 A FIELD SEARCH AND LOCATION SURVEY HAS BEEN CONDUCTED UNDER THE DIRECTION OF A PROFESSIONAL LAND SURVEY PRIOR TO THIS PROJECT'S CONSTRUCTION. ALL POINTS THAT WILL BE DISTURBED WILL BE REPLACED BY CITY FORCES.

CONTROL POINT NOTE:

ALL CONTROL IS PURSUANT TO THE CITY OF IDAHO FALLS COORDINATE SYSTEM OF 2004 AND THE VERTICAL CONTROL DATUM OF GEOID 18 AND THE CITY OF IDAHO FALLS NAVD 88.



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SCALE SHOWN IS FOR
SHEET 11 x 17 ONLY

ENGINEERING
DIVISION



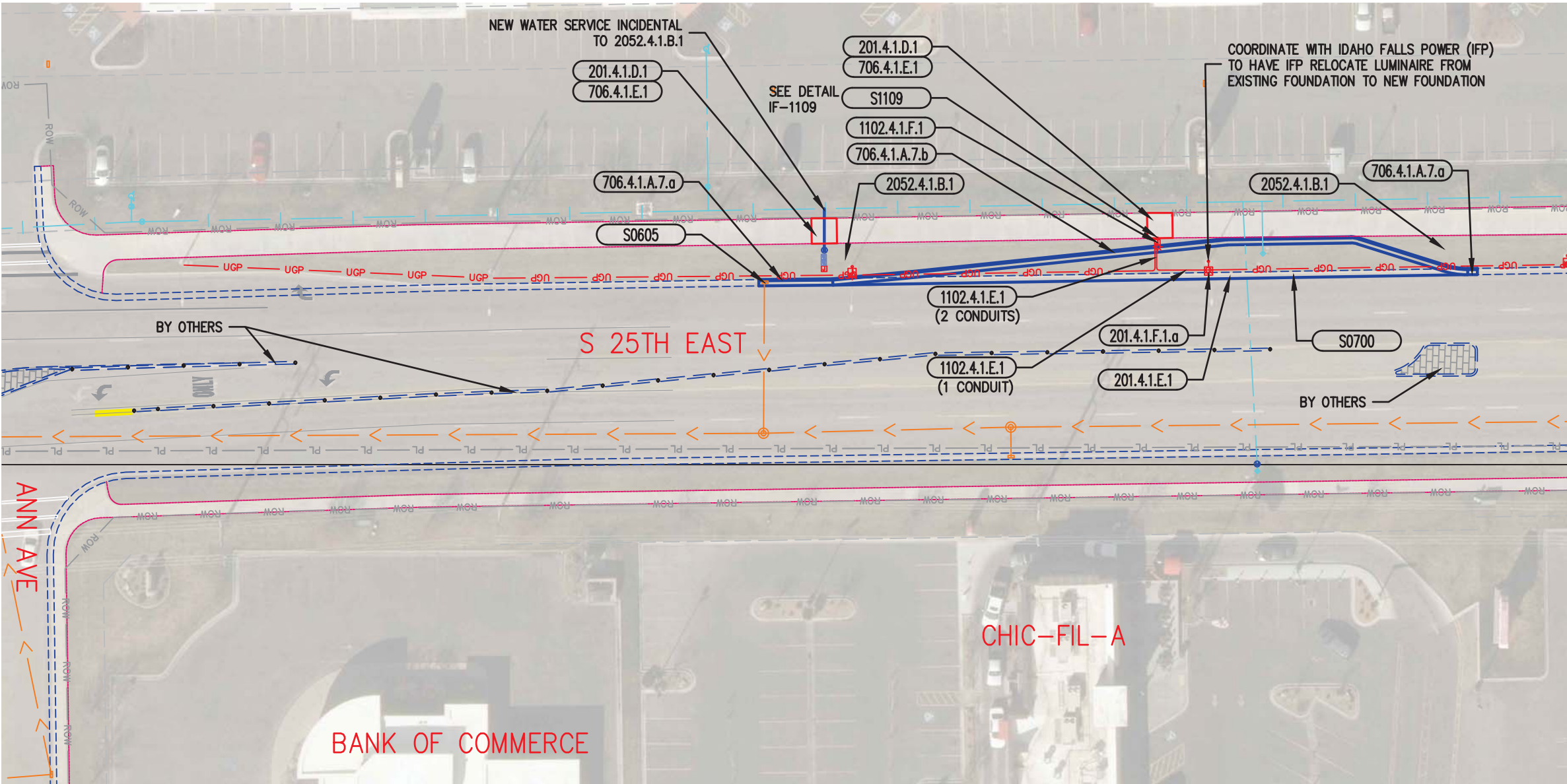
25TH EAST MEDIAN
U-TURN IMPROVEMENTS

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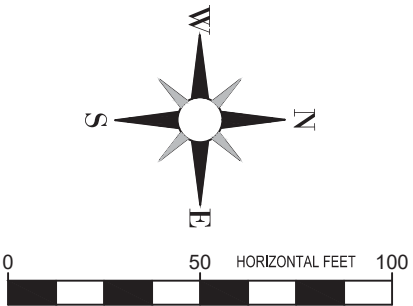
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DATE PLOTTED:
9/14/2023

SHEET NO.
2 OF 4



ITEM	DESCRIPTION	QNTY	UNIT
DIVISION 200 - EARTHWORK			
201.4.1.D.1	Removal of Sidewalk (203-060A)	22	SY
201.4.1.E.1	Removal of Curb & Gutter (203-070A)	284	LF
201.4.1.F.1.a	Removal of J Box (203-002A)	1	EA
DIVISION 700 - CONCRETE			
706.4.1.A.7.a	Curb and Gutter, Type Standard(615-490A)	34	LF
706.4.1.A.7.b	Curb and Gutter, Type Lip Down(615-490B)	254	LF
706.4.1.E.1	Concrete Sidewalks, 4" (614-015A)	22	SY
DIVISION 1100 - TRAFFIC SIGNALS & STREET			
1102.4.1.E.1	Conduit, Size 2"	45	LF
1102.4.1.F.1	Junction Box	1	EA
DIVISION 2000 - MISCELLANEOUS			
2052.4.1.B.1	Repair Sprinkler System	1	LS
SPECIAL PROVISIONS			
S0605	Inlet Box (Frame & Grate Only)	1	EA
S0700	Variable Width Concrete Valley Gutter	218	SY
S1109	Standard Pole Foundation	1	EA



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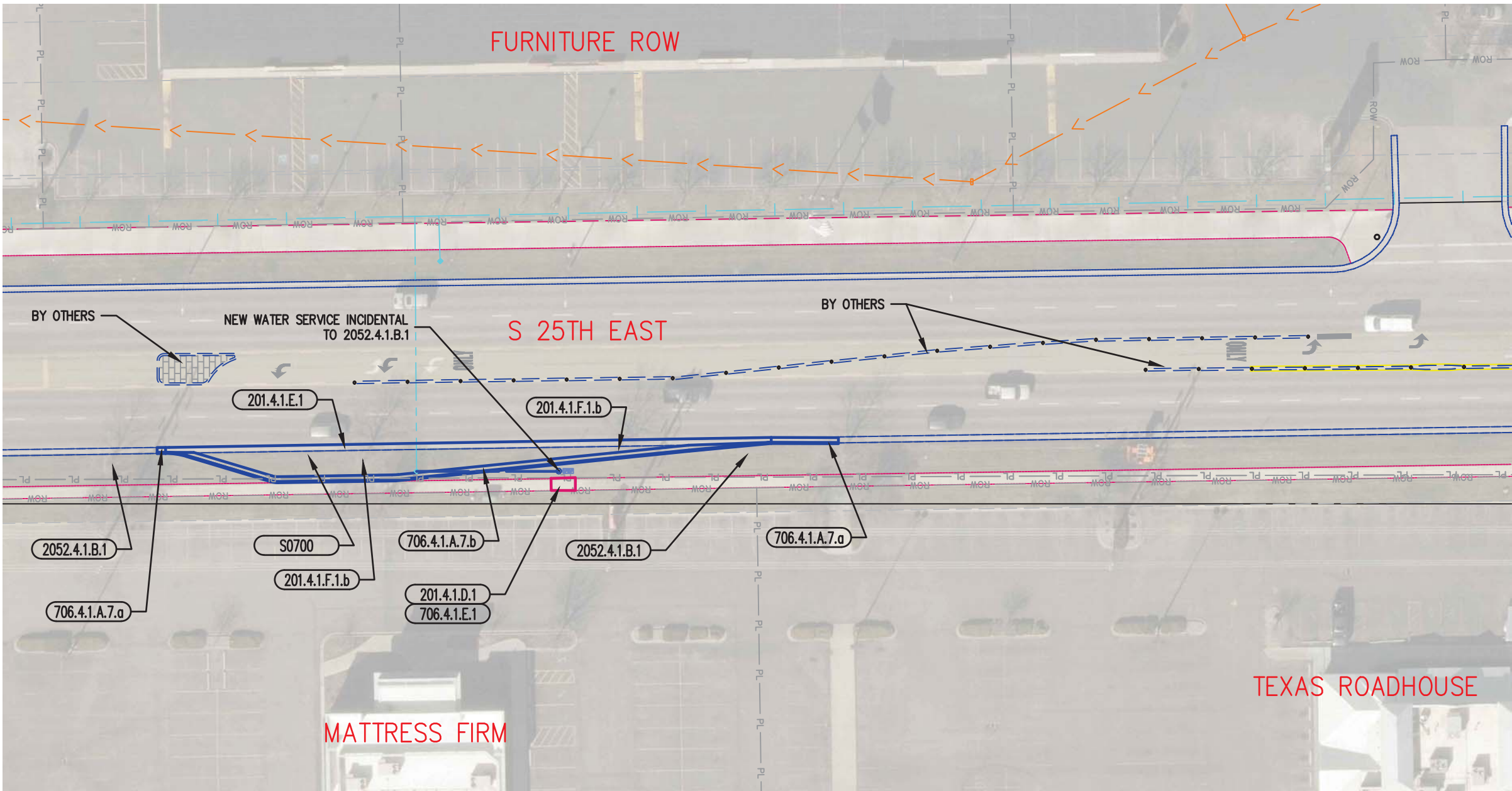
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ENGINEERING DIVISION

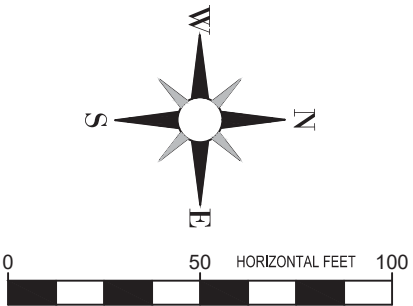


25TH EAST MEDIAN U-TURN IMPROVEMENTS

CHECKED BY:	DESIGN TECH:	DATE PLOTTED:	SHEET NO.
KF	CW	9/14/2023	3 OF 4



ITEM	DESCRIPTION	QNTY	UNIT
DIVISION 200 - EARTHWORK			
201.4.1.D.1	Removal of Sidewalk (203-060A)	6	SY
201.4.1.E.1	Removal of Curb & Gutter (203-070A)	284	LF
201.4.1.F.1.b	Removal of Tree (202-005A)	2	EA
DIVISION 700 - CONCRETE			
706.4.1.A.7.a	Curb and Gutter, Type Standard(615-490A)	34	LF
706.4.1.A.7.b	Curb and Gutter, Type Lip Down(615-490B)	254	LF
706.4.1.E.1	Concrete Sidewalks, 4" (614-015A)	6	SY
DIVISION 2000 - MISCELLANEOUS			
2052.4.1.B.1	Repair Sprinkler System	1	LS
SPECIAL PROVISIONS			
S0700	Variable Width Concrete Valley Gutter (615-330A)	218	SY



SPRINKLER SYSTEM – COORDINATE WITH CITY OF IDAHO FALLS PARKS DEPARTMENT (SAM EDWARDS 208–270–6593 OR JIMMY WHITE 208–223–0667)

NOTE

- CAUTION MUST BE USED WHEN EXCAVATING IN THIS AREA. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CALL 811 FOR LOCATE.
- A UTILITY LOCATE AND TOPOGRAPHIC SURVEY HAS NOT BEEN CONDUCTED. IF MISCELLANEOUS WATER VALVES, MANHOLES, OR OTHER ROAD OBSTRUCTIONS ARE ENCOUNTERED IN LINE WITH PROPOSED EXTRUDED CURB; CONTRACTOR TO PLACE THE EXTRUDED CURB GAP IN THOSE AREAS. (SEE TYPICAL SECTION)
- ALL ROADWAY MARKINGS WILL BE OBLITERATED AND INSTALLED BY OTHERS UNLESS CALLED OUT WITH A SPECIFIC PAY ITEM.

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ENGINEERING DIVISION



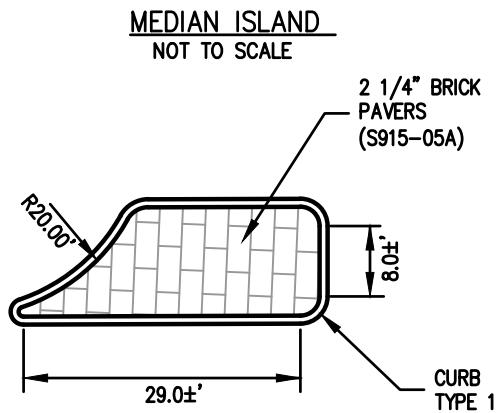
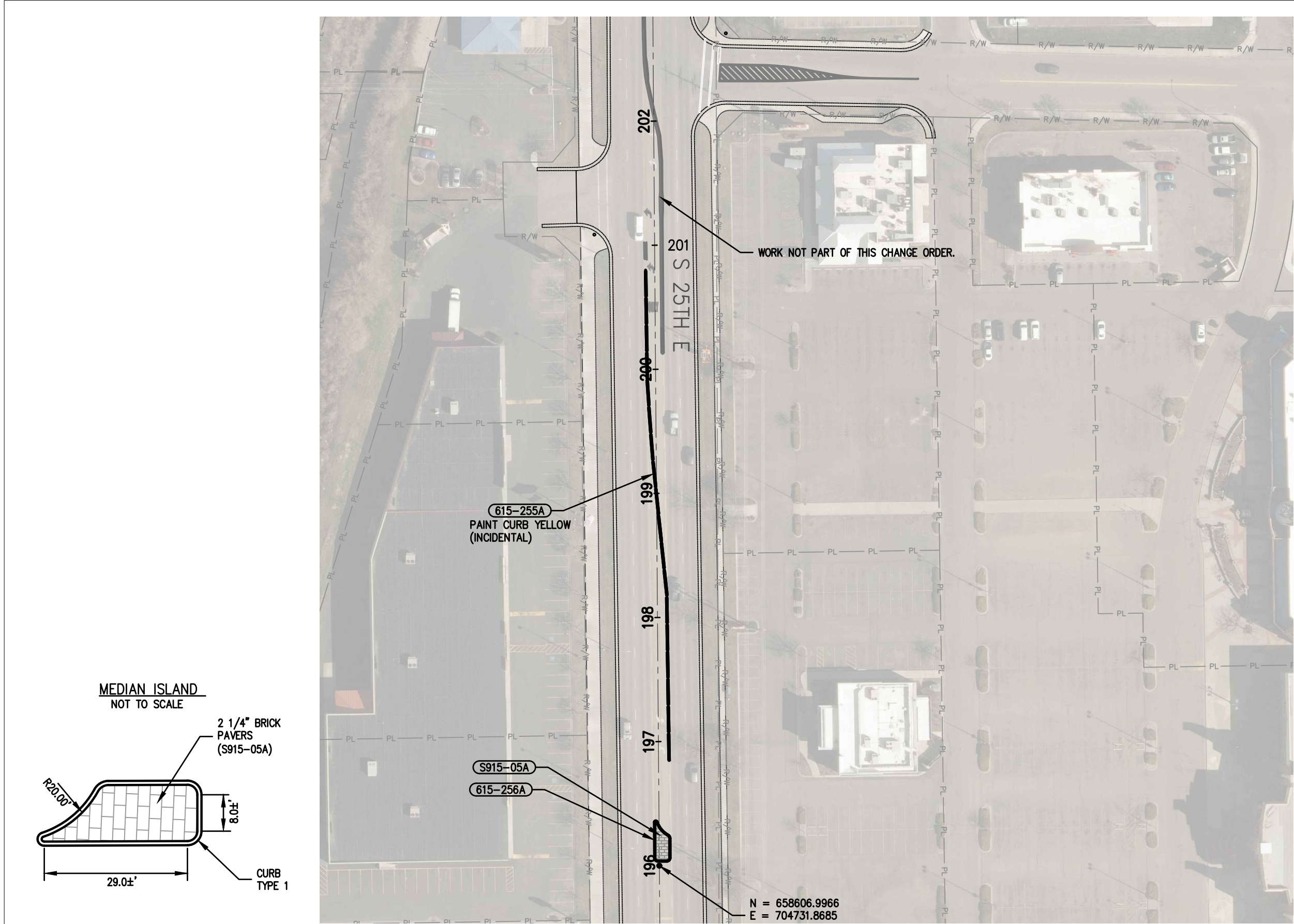
25TH EAST MEDIAN
U-TURN IMPROVEMENTS

CHECKED BY:
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DESIGN TECH:
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DATE PLOTTED:
9/14/2023

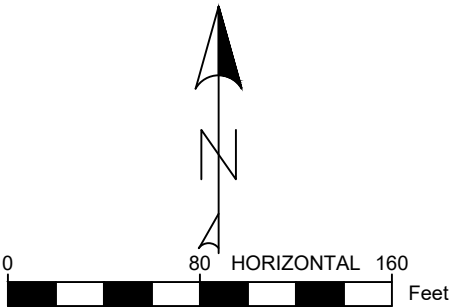
SHEET NO.
4 OF 4



- 615-255A CURB
397 FT, 196+84 - 200+81, RT & LT
- 615-256A CURB TYPE 1
77 FT, 196+03 - 196+68, RT & LT
- S915-05A SP- 2 1/4" BRICK PAVERS
273 SF, 196+03 - 196+68, RT

NOTE

- CAUTION MUST BE USED WHEN EXCAVATING IN THIS AREA. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CALL 811 FOR LOCATE.
- CONTRACTOR TO CENTER NEW EXTRUDED CURB AT THE CENTER OF EXISTING DOUBLE YELLOW PAVEMENT MARKINGS. CITY TO VERIFY LOCATION PRIOR TO PLACEMENT.
- 4" SOLID YELLOW PAVEMENT MARKING BOTH SIDES OF EXTRUDED CURB 0.5' FROM FACE OF EXTRUDED CURB.
- A UTILITY LOCATE AND TOPOGRAPHIC SURVEY HAS NOT BEEN CONDUCTED. IF MISCELLANEOUS WATER VALVES, MANHOLES, OR OTHER ROAD OBSTRUCTIONS ARE ENCOUNTERED IN LINE WITH PROPOSED EXTRUDED CURB; CONTRACTOR TO PLACE THE EXTRUDED CURB GAP IN THOSE AREAS. (SEE TYPICAL SECTION)
- ALL ROADWAY MARKINGS WILL BE OBLITERATED AND INSTALLED BY OTHERS UNLESS CALLED OUT WITH A SPECIFIC PAY ITEM.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED CW
DESIGN CHECKED KF
DETAILED CW
DRAWING CHECKED KF

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME RAISED MEDIAN PROJECT
DRAWING DATE: OCTOBER 2022

IDAHO
TRANSPORTATION
DEPARTMENT

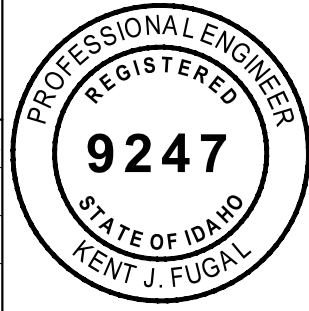
IDAHO
TRANSPORTATION
DEPARTMENT

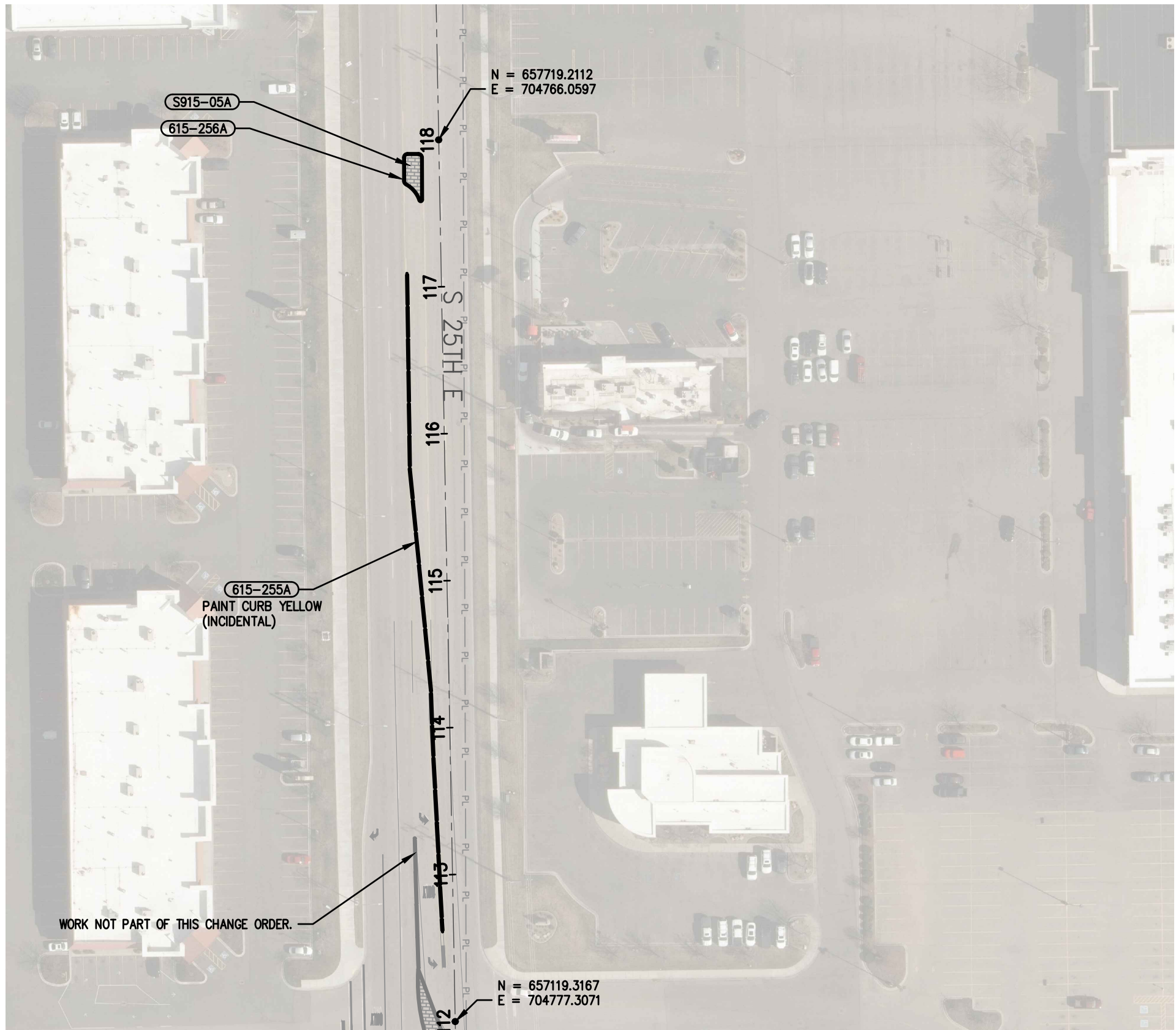
CITY OF IDAHO FALLS

PROJECT NO.
A022(886)

PLAN
RAISED CURB MEDIAN SAFETY IMPROVEMENTS CHANGE ORDER

English
COUNTY BONNEVILLE
KEY NUMBER 22886
SHEET 1 OF 2

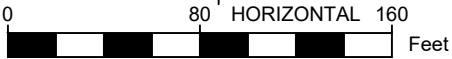




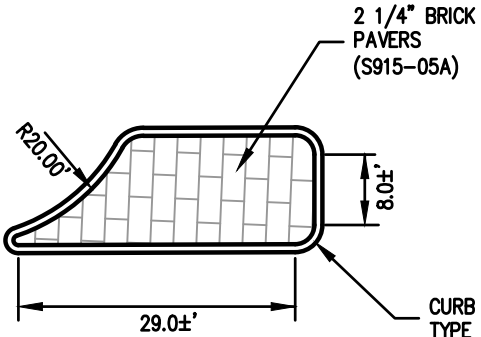
- 615-255A CURB
449 FT, 112+61 - 117+10, RT & LT
- 615-256A CURB TYPE 1
77 FT, 117+58 - 117+92, LT
- S915-05A SP- 2 1/4" BRICK PAVERS
273 SF, 117+58 - 117+92, LT

NOTE

- CAUTION MUST BE USED WHEN EXCAVATING IN THIS AREA. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CALL 811 FOR LOCATE.
- CONTRACTOR TO CENTER NEW EXTRUDED CURB AT THE CENTER OF EXISTING DOUBLE YELLOW PAVEMENT MARKINGS. CITY TO VERIFY LOCATION PRIOR TO PLACEMENT.
- 4" SOLID YELLOW PAVEMENT MARKING BOTH SIDES OF EXTRUDED CURB 0.5' FROM FACE OF EXTRUDED CURB.
- A UTILITY LOCATE AND TOPOGRAPHIC SURVEY HAS NOT BEEN CONDUCTED. IF MISCELLANEOUS WATER VALVES, MANHOLES, OR OTHER ROAD OBSTRUCTIONS ARE ENCOUNTERED IN LINE WITH PROPOSED EXTRUDED CURB; CONTRACTOR TO PLACE THE EXTRUDED CURB GAP IN THOSE AREAS. (SEE TYPICAL SECTION)
- ALL ROADWAY MARKINGS WILL BE OBLITERATED AND INSTALLED BY OTHERS UNLESS CALLED OUT WITH A SPECIFIC PAY ITEM.



MEDIAN ISLAND
NOT TO SCALE



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED CW
DESIGN CHECKED KF
DETAILED CW
DRAWING CHECKED KF

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME RAISED MEDIAN PROJECT
DRAWING DATE: OCTOBER 2022

IDAHO
TRANSPORTATION
DEPARTMENT

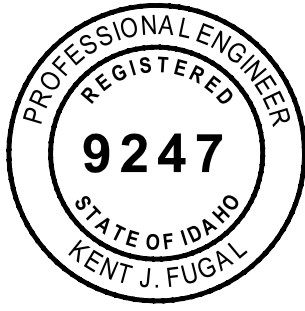


CITY OF IDAHO FALLS

PROJECT NO.
A022(886)

PLAN
RAISED CURB MEDIAN SAFETY IMPROVEMENTS CHANGE ORDER

English
COUNTY BONNEVILLE
KEY NUMBER 22886
SHEET 2 OF 2



- (A) GRADE AND ALIGNMENT TO BE ESTABLISHED OR APPROVED BY THE ENGINEER.
- (B) BASE: 4-INCH COMPACTED DEPTH OF 3/4-INCH MINUS CRUSHED AGGREGATE BASE MATERIAL,
- (C) 1/2-INCH PREFORMED EXPANSION JOINT MATERIAL (AASHTO M 213) AT TERMINAL POINTS OF RADII.
- (D) CONTINUOUS PLACEMENT PREFERRED, SCORE INTERVALS AT 10- FEET MAXIMUM SPACING (OR CONSISTENT WITH 2X SIDEWALK WIDTH FOR SCORE SPACING).

Memorandum

File #: 23-347

City Council Meeting

FROM: Chris H Fredericksen
DATE: Wednesday, November 29, 2023
DEPARTMENT: Public Works

Subject

State Local Agreement Addendum and Resolution with the Idaho Transportation Department (ITD) for the Meppen Canal Trail Project

Council Action Desired

- ☐ Ordinance ☒ Resolution ☐ Public Hearing
☒ Other Action (Approval, Authorization, Ratification, etc.)

Approve the State Local Agreement Addendum and Resolution with ITD for the Meppen Canal Trail project and authorize the Mayor and City Clerk to sign the documents (or take other action deemed appropriate).

Description, Background Information & Purpose

Attached for consideration is a state local agreement addendum and resolution with ITD allowing for advanced construction of pathway improvements along the Meppen Canal from the Idaho Canal to 25th East (Hitt Road). Proposed improvements include the construction of two pedestrian bridges and nearly 2.2 miles of pathway.

Alignment with City & Department Planning Objectives



This agreement addendum supports the community-oriented results of reliable public infrastructure and transportation and livable community by enhancing the cities pathway network.

Interdepartmental Coordination

Project reviews have been conducted with all necessary city departments.

Fiscal Impact

The revised total cost of the project is anticipated to be \$1,547,000. This agreement addendum requires city financial contribution toward the project with a match rate of 7.34% for an estimated total of \$113,550. Sufficient Parks and Municipal Capital Improvement funding and budget authority exist to complete the work.

Legal Review

The agreement addendum has been reviewed by the City Attorney.

2-38-21-1-PRK-2018-40

2023-082

**TAP STATE/LOCAL AGREEMENT ADDENDUM
(DESIGN AND CONSTRUCTION)
PROJECT NO. A023(696)
MEPPEN CANAL TRAIL, IDAHO CANAL TO 25TH EAST
KEY NO. 23696**

PARTIES

THIS ADDENDUM is made and entered into this _____ day of _____, by and between the **IDAHO TRANSPORTATION BOARD** by and through the **IDAHO TRANSPORTATION DEPARTMENT**, hereafter called the State, and the **CITY OF IDAHO FALLS**, acting by and through its Mayor and Council, hereafter called the Sponsor.

PURPOSE

This Addendum will modify the State/Local Agreement entered into on the 8th day of August, 2022, (hereinafter "Agreement") between the same parties.

The parties agree to the following revisions:

Section I of the agreement will be amended by changing the following.

4. Federal participation in the project is at the rate of 92.66%; local participation is 7.34%. The maximum Federal-aid for this project is \$1,433,450.

5. Scheduled funding for this project is listed on the approved Idaho Transportation Investment Program, and subsequent revisions. Current estimated funding is as follows:

- a. Project Development- \$143,900
PC-\$106,900, PE-\$2,000 PL-\$35,000
- b. Construction Engineering- \$122,000
CC-\$100,000, CE-\$2,000 CL- \$20,000
- c. Construction (CN)- \$1,281,100
Total Estimated Project Costs - \$1,547,000

6. The Sponsor's match for this project will be provided in cash in the amount of 7.34 percent of the entire project (currently \$113,550).

Section III of the agreement will be amended by changing the following.

11. Submit to FHWA a request for Advanced Construction approval for the cost of construction of the project. If local funds were provided above the required match, and additional Federal Aid is secured through the conversion of Advanced Construction, the State will modify the TIP and the Sponsor may request any local funds provided above the required match exceeding \$50,000 be reimbursed to the Sponsor within 60 days after TIP modification and ITD-2101 are approved. The amount scheduled for advance construction is (\$1,403,100).

EXECUTION

This Addendum is executed for the State by its Division Administrator, and executed for the Sponsor by the Mayor, attested to by the City Clerk, with the imprinted Corporate Seal of the City of Idaho Falls.

IDAHO TRANSPORTATION DEPARTMENT

Division Administrator

ATTEST:

CITY OF IDAHO FALLS

CITY CLERK

MAYOR

(SEAL)

By regular/special meeting

on _____.

wd: 23696 SLA TAP ADDENDUM

RESOLUTION

WHEREAS, the Idaho Transportation Department, hereafter called the **STATE**, has submitted an Agreement stating obligations of the **STATE** and the **CITY OF IDAHO FALLS**, hereafter called the **CITY**, for construction of Meppen Canal Trail, Idaho Canal to 25th E.; and

WHEREAS, the **STATE** is responsible for obtaining compliance with laws, standards and procedural policies in the development, construction and maintenance of improvements made to the Federal-aid Highway System when there is federal participation in the costs; and

WHEREAS, certain functions to be performed by the **STATE** involve the expenditure of funds as set forth in the Agreement; and

WHEREAS, the **STATE** can only pay for work associated with the State Highway system; and

WHEREAS, the **CITY** is fully responsible for its share of project costs; and

NOW, THEREFORE, BE IT RESOLVED:

1. That the Agreement for Federal Aid Highway Project A023(696) is hereby approved.
2. That the Mayor and the City Clerk are hereby authorized to execute the Agreement on behalf of the **CITY**.
3. That duly certified copies of the Resolution shall be furnished to the Idaho Transportation Department.

CERTIFICATION

I hereby certify that the above is a true copy of a Resolution passed at a *regular, duly* called special (X-out non-applicable term) meeting of the City Council, City of Idaho Falls, held on

_____, _____.

(Seal)

City Clerk