IDAHO TRANSPORTATION DEPARTMENT
MISCELLANEOUS HIGHWAY PROJECT

INVITATION TO BID (ITB)

ITB No. M640034

PROJECT On Call Service for Illumination & Signal Repair

COUNTY All Counties of District 6

DISTRICT 6

ITB Issued on March 9, 2020
Bids shall be delivered in hardcopy to ITD Headquarters (Attention Contracting Services-Advertisement & Award) at 3311 W. State St, Boise, ID 83703
no later than 2:00:00 p.m. MST on April 7, 2020
Bids will be opened at ITD Headquarters
Sealed Proposals will be received by the IDAHO TRANSPORTATION DEPARTMENT, 3311 WEST STATE STREET, BOISE, IDAHO 83707, ATTN: CONTRACTING SERVICES-ADVERTISEMENT & AWARD until two o'clock p.m. on April 7, 2020, Invitation to Bid No. M640034; in D6 - All Counties, for the work of on call illumination and signal repair on various highway routes.

Plans, specifications, form of contract, proposal forms, and other information may be obtained from the Idaho Transportation Department website at https://apps.itd.idaho.gov/apps/contractors/mhp/mhp.htm

For additional information contact the Contract Administrator:
Name: Bryan Young
Phone: (208) 745-5682
Email: Bryan.Young@itd.idaho.gov

Bids must be accompanied by a Bid Bond issued by an Idaho Licensed Surety Company, you MUST use the Surety Bond (Bid Bond) form provided in the ITB or your bid will be deemed irregular or accompanied by a certified or cashier’s check from an Idaho Bank payable to the Idaho Transportation Department in an amount no less than five percent (5%) of the total bid. This surety shall be forfeited by the bidder should the bidder fail to sign the contract or furnish the required 100% Performance and 100% Payment Bonds.

Bidder shall be licensed in the State of Idaho in accordance with Idaho State Public Works license law, Title 54, Chapter 19, Idaho Code Amended. Bidder shall comply with all Equal Employment Opportunity provisions required by federal regulations. Bidder shall be in compliance with State of Idaho Title 44, Chapter 10, Idaho Code as it relates to payment of wages and employment practices.

This contract requires full compliance with Title VI of the Civil Rights Act of 1964, which protects persons from being denied the benefits of or excluded from participation in programs or activities; or subjected to discrimination based on race, color, national origin, sex, age, disability, Limited English Proficiency or economic status. The Bidder is encouraged to utilize the goods and services of disadvantaged firms in accomplishing the tasks or providing the services of this agreement, and to provide equal opportunity to all sub-bidders and suppliers.
Communication between the Contractor/ Bidder and the Department

During the advertisement period, prospective Contractors/Bidders will address all questions to the Project Manager shown on the Notice of Letting.

After Bid Opening and through Contract Award, all communications between the Department and the Contractor/Bidder, and any unsuccessful bidders, will be through the Contracts Engineer at 208.334.8673. The Department will be unable to share any information, other than as described under the Notification Protocol (see below), related to bid submittals or pending Department decisions during this time.

After Contract Award, all communications between the Department and the Contractor will be through the Project Manager.

Contractor Information

The Department will not provide any proprietary bidding information until after Contract Award.

Notification Protocol

The following appropriate action will be posted to the Bid Results website:

- After the opening of bids, the bid summary results will be posted along with a notification of “Pending District Approval”, if applicable.

- After analysis of the bids, regularities and irregularities will be posted to the website. The apparent low bidder will also be notified of irregularity via email, if applicable.

- Once the Intent to Award letter is issued, the bid abstracts will be posted to the website. (Abstracts are not posted when there is only 1 regular bid)

- Upon contract award, the Estimated Budget and the Contract Award Date will be posted to the website.
INSTRUCTIONS TO BIDDERS

All bids must be submitted prior to 2:00 pm MST to the address listed below. All bids must be submitted via hardcopy format in a sealed envelope marked on the outside with bid enclosed, proposal name, and key number or ITB number, addressed to:

Idaho Transportation Department  
Attention:  
Contracting Services -Advertisement & Award  
3311 W. State Street  
Boise, ID 83703

Hand-delivered bids must be inserted into the Contracting Bid Box located in the lobby at ITD Headquarters at the address listed above.

This solicitation is issued by the Idaho Transportation Department. Notification of Letting may be found on the Department’s Business Page under the “Misc. Hwy Bidding” tab following the “Invitation to Bids” link. It is the responsibility of the bidder to monitor this website for any updates or addendums. Any oral interpretations or clarifications of this Invitation to Bid (ITB) will not be relied upon. All changes to this ITB must be in writing and posted to the website as an addendum to be valid. Alternate bids are not allowed.

All correspondence regarding this ITB shall be directed to the Contract Administrator identified on the Notice of Letting Page.

The Bid Packet submitted should include all pages of the original ITB with the proper signatures, completed Bid Schedule and attached Power of Attorney from Bonding Company.

If an addendum is required, it will be posted to the website. The Bidder shall submit a signed copy of the cover page of each addendum, if applicable, as acknowledgement with the Bid Packet. If addendums are not included in the Bid Packet, the bid will be deemed irregular. Addendums may require postponement of bid opening.

Please refer to Section 102, Bidding Requirements and Conditions, of the 2018 Idaho Transportation Department Standard Specifications for Highway Construction and the General Provisions of this ITB for bidding requirements.

AIA A-310 Document is not an acceptable bid bond. BID BONDS WITH SIMILAR CONDITIONS TO THE 5% GUARANTEE MAY ALSO NOT BE ACCEPTABLE. Per the 2018 Standard Specifications for Highway Construction Spec Book, Section 102.10 # 3 & 7, you MUST use the Surety Bond (Bid Bond) form provided in the ITB or your bid will be deemed irregular.
INSTRUCTIONS TO BIDDERS
(Continued)

All work required for complete installation or assembly shall be included in the Contractor’s bid. Where minor portions of required work are not noted, detailed, or specified, such work shall be done in accordance with proven construction practice or accepted industry standards at no additional cost to the owner. The contractor shall be held responsible for verification of existing job conditions prior to bid. No additional cost shall be awarded to the successful contractor (or their subcontractors) after bids have been submitted and contracts awarded for failure to verify existing field conditions. Discrepancies or questions arising between actual field conditions and contract documents must be submitted in writing prior to bid opening to the Contract Administrator listed on the Notice of Letting.
In compliance with your invitation for bids to be received April 7, 2020, the undersigned certifies to have examined the location of work and/or materials sites, and is satisfied as to the condition to be encountered, and that the plans, specifications, contract and method of payment for such work is understood. The undersigned hereby proposes to furnish the material and perform the work of on call illumination and signal repair on various highway routes, D6 On Call Service for Illumination & Signal Repair, known as Invitation to Bid No. M640034, in accordance with the Idaho Standard Specifications for Highway Construction, Drawings or Plans for the work, Special Provisions, all addenda issued prior to bid opening, and the consideration of the unit prices bid for the several items set forth in the attached bid schedule; also SP-SA Special Provisions State Aid.

A signed copy of the cover page of each Addendum notice, if any, must be attached to this proposal. If Addendums are not included in the bid packet, the bid will be deemed irregular.

This is a state of Idaho funded contract/project.

On the acceptance of this proposal for said work, the undersigned will execute Contract in accordance with the bid as accepted, and furnish the Contract Payment and Performance Bonds on the forms provided with approved and sufficient surety within 5 days after the prescribed forms are presented for signature.

The bidder further agrees that, if awarded the contract, work will be completed as stated in the Special Provisions, after authority to proceed has been given, in conformity with and subject to such extensions as may be authorized by the terms of Extension of Contract Time of the Standard Specifications.

Accompanying this proposal is a Certified Check or a Cashier's Check drawn on an Idaho bank in the amount of five percent of the total amount bid, made payable to the Idaho Transportation Department, or a Bidder's Bond in the amount of five percent (5%) of the total amount bid.

The undersigned bidder being duly sworn upon oath deposes and says that it complies with the provisions of Section 72-1717 Idaho Code (Drug Free Workplace program).
Date ___________________, 20__

Name & Address of Bidder: ____________________________________________  
____________________________________________________________________  
____________________________________________________________________

Idaho Public Works Contractors License Number: ___________ Exp. Date: _________

DUNS Number (if available): ____________________________________________

AUTHORIZED SIGNATURE

Pursuant to Idaho Code Section 9-1406 “I certify (or declare) under penalty of perjury pursuant to the law of the State of Idaho that the foregoing is true and correct.”

PROPOSAL MUST BE SIGNED

_________________________  ____________________________
(Signature)  (Print)

_________________________
(Title)
**BID SCHEDULE**

ITB No. M640034 – D6 On Call Service for Illumination & Signal Repair

Company Name of Bidder: ____________________________________________________________

Contact Name/Phone: ______________________________________________________________

Contact E-mail: __________________________________________________________________

Provide your fully burdened Total Cost for providing the D6 On Call Service for Illumination & Signal Repair for District 6 as specified in this solicitation:

<table>
<thead>
<tr>
<th>ITEM No.</th>
<th>ITEM DESCRIPTION</th>
<th>QTY</th>
<th>UM</th>
<th>UNIT PRICE</th>
<th>EXTENDED PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Project Manager</td>
<td>50</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>2</td>
<td>Journeyman Electrician</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>3</td>
<td>Apprentice Electrician</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>4</td>
<td>Pickup/van</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>5</td>
<td>Bucket Truck</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>6</td>
<td>Boom Truck</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
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<tr>
<td>7</td>
<td>Excavator</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>8</td>
<td>Backhoe</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>9</td>
<td>Miscellaneous Equipment</td>
<td>200</td>
<td>HR</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>10</td>
<td>Traffic Control</td>
<td>20</td>
<td>EA</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>11</td>
<td>Materials</td>
<td>$100,000</td>
<td>CA</td>
<td>$1.00</td>
<td>$100,00</td>
</tr>
</tbody>
</table>

Total Estimated Bid $_______________

ITB No. M640034 Page 1 of 1
Failure to complete this form as required shall render the bid unresponsive and void.

LICENSE REQUIREMENTS FOR PLUMBING, ELECTRICAL, AND HVAC WORK

The Contractor must comply with Idaho Code Section 67-2310. The bidder shall provide the name, address, Division of Building Safety License Number, and Public Works Contractors License Number of the firm(s) who shall, in the event the Contractor secures the contract, complete the plumbing, electrical, or HVAC work under the contract.

No bidder shall name any subcontractor or sub-subcontractor in the bid unless the bidder has received communication from the subcontractor or sub-subcontractor.

If plumbing, electrical or HVAC work is to be self-performed, provide bidder’s information. If work is to be performed by Subcontractor(s) or Sub-Subcontractor(s), their information shall be provided.

A. Plumbing work by: ___________________________ residing at ___________________________ whose Idaho Public Works Contractors License No. is _________________ Plumbing Amount: $ ___________
and whose Plumbing Contractor License No. is ________________________________.

B. Electrical work by: ___________________________ residing at ___________________________ whose Idaho Public Works Contractors License No. is _________________ Electrical Amount: $ ___________
and whose Electrical Contractor License No. is ________________________________.

If required by special provision, name an Electrical Contractor above or explain here why an Electrical Contractor is not required: (N/A or “Not Applicable” will not be considered a sufficient explanation) ________________________________________________________________
_____________________________________________________________________

C. HVAC work by: ___________________________ residing at ___________________________ whose Idaho Public Works Contractors License No. is _________________ HVAC Amount: $ ___________
and whose HVAC Contractor License No. is ________________________________.
**Failure to complete this form as required shall render the bid unresponsive and non-considered.**

**Failure to comply with the terms of the referenced Idaho Code shall result in breach of contract**

This is a state of Idaho funded contract/project.

The Contractor must comply with Idaho Code, §§44-1001 through 44-1005, which requires that ninety-five percent (95%) of employees working on the project be *bona fide* Idaho residents, except for projects with fewer than 50 employees. For projects with fewer than fifty (50) employees, up to ten percent (10%) may be nonresidents, provided the Contractor and the subcontractors give employment preference to Idaho residents. **Failure to complete this form as required shall render the bid unresponsive and non-considered. Failure to comply with the terms of the referenced Idaho Code shall result in breach of contract.** If you have questions about the statute or your compliance, please contact your own legal counsel.

The signature below, by an authorized representative, certifies the Contractor’s acknowledgement and that they will comply with Idaho Code §§ 44-1001 through 44-1005.

The Contractor submitting this bid, acknowledges Idaho Code §§ 44-1001 through 44-1005, and will comply with the requirement. After award, the Department may verify compliance with said laws. This may include a Department request for certified payroll or other information to verify compliance. The Contractor certifies that it will provide such information within five (5) business days. If noncompliance is determined or if the Contractor fails to provide the requested information to verify compliance, this will be considered a breach of contract and may lead to contract revocation and other remedies by contract and law.

Moreover, the Contractor submitting this bid acknowledges that failure to comply with the aforementioned Idaho laws may expose said Contractor to fines and/or imprisonment.

Signed by the submitting Contractor’s authorized representative: ___________________________
SURETY

PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we

of

as Principal, and

as Surety, are held and firmly bound unto the State of Idaho (hereinafter called the State) in the full and penal sum of 5% of the total amount of the proposal of said Principal for the work hereinafter described, for the payment of which will and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, firmly by these presents.

The Condition of this obligation is such, that whereas the Principal has this day submitted a sealed proposal for:

ITB No. M640034
D6 On Call Service for Illumination & Signal Repair
D6 - All Counties County

NOW THEREFORE, the above obligation is void if the Principal – (a) obtains relief pursuant to Idaho Code, Section 54-1904B; or (b) upon award by the State of the bid identified above is authorized by State and Federal law or regulation to enter into the contract, executes the contractual documents and provides the bonds required by the terms of the bid as accepted, within 15 days after presentation of the contract; otherwise this proposal bond shall remain in full force and effect.

IN WITNESS WHEREOF, The above bounden parties have executed this instrument,

this ________________ day of ____________________________, 20____.

Witness: ____________________________________________ ____________________________
(If Individual or Firm) (Principal)

Attest: ____________________________________________ By ____________________________
(If Corporation) (Title)

(Corporate Seal)

__________________________________________ ____________________________
(Surety) (Business Address)

Attest: ____________________________________________ By ____________________________
__________________________________________ ____________________________
(Signature) (Print Name) (Title)

SURETY AGENT’S POWER-OF-ATTORNEY MUST BE ATTACHED
For hard copy bids a bidder may revise a proposal after it has been deposited with the State, provided the request for such revision is received by the State by fax transmittal before the time set for the Bid Opening. **Faxed revisions must be received at (208) 332-4120 or e-mail to IRP@itd.idaho.gov.** The faxed revision must be on this form or on Company letterhead following the same format, providing the same information and signed by a representative of the bidder, authorized to sign contract documents. **ALL** faxed in documents received prior to bid opening will supersede the documents provided in the hard copy proposal package.

Date ______________________
To: Idaho Transportation Department  
Attn: Contracting Services

ITB No. _________________
Description: ______________________________________________________________________________

The following is an example of the acceptable format:

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description (Optional)</th>
<th>Quantity (Optional)</th>
<th>Original Unit Price</th>
<th>&quot;NEW&quot; Unit Price</th>
<th>Unit Price Adjustment (+/-)</th>
<th>Total Adjustment (+/-)</th>
</tr>
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<tbody>
<tr>
<td>502-425A</td>
<td>PRE STR. Stringer 2'-2&quot; voiced slab</td>
<td>282.00 Ft.</td>
<td>$520.00</td>
<td>$600.00</td>
<td>$80.00</td>
<td>$22,400.00</td>
</tr>
<tr>
<td>501-25A</td>
<td>Bridge vibration monitoring</td>
<td>Lump Sum</td>
<td>$35,000.00</td>
<td>$36,000.00</td>
<td>$1,000.00</td>
<td>+$1,000.00</td>
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</tbody>
</table>

Overall increase/decrease: +$23,400.00

Enclosed please find an adjustment to the unit price on the above mentioned project.
<table>
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<tr>
<th>Item No.</th>
<th>Description (Optional)</th>
<th>Quantity (Optional)</th>
<th>Original Unit Price</th>
<th>&quot;NEW&quot; Unit Price</th>
<th>Unit Price Adjustment (+/-)</th>
<th>Total Adjustment (+/-)</th>
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</table>

Overall increase/decrease:       +/-$______________

Company Name as it appears on your bid
___________________________________________
___________________________________________

(signature)

Printed Name and Title

Company address as it appears on your bid
___________________________________________
___________________________________________
___________________________________________

Phone Number _______________________________

Email Address _______________________________
For hard copy bids a bidder may withdraw a proposal after it has been deposited with the State, provided the request for such withdraw is received by the State by fax transmittal before the time set for the Bid Opening. **Faxed withdraw request must be received at (208) 332-4120 or e-mail to IRP@itd.idaho.gov.** The faxed withdraw must be on this form or on Company letterhead following the same format, providing the same information and signed by a representative of the bidder, authorized to sign contract documents.

Date ______________________

**To:** Idaho Transportation Department

**Attn:** Contracting Services

**ITB No.** ________________

Description: __________________________________________________________________________________________

The following is an example of the acceptable format:

“**Enclosed please find our request to withdraw our bid previously submitted.**”

*Company Name as it appears on your bid*

_____________________________________________________________________________________________

_____________________________________________________________________________________________

*(signature)*

_____________________________________________________________________________________________

*Printed Name and Title*

_____________________________________________________________________________________________

*Company address as it appears on your bid*

_____________________________________________________________________________________________

_____________________________________________________________________________________________

**Phone Number** ______________________________
**Email Address** ______________________________
GENERAL PROVISIONS

Section 100 of the 2018 Idaho Transportation Department (ITD) Standard Specifications for Highway Construction and associated 2019 supplemental specifications for the 2018 Idaho standard specifications for highway construction, shall apply to this contract, unless modified herein.

ON PAGE 27 OF 571, SUBSECTION 102.04, PREPARATION OF PROPOSAL

Delete the following from the 2nd sentence of the 1st paragraph: “..an electronic or”
Delete the 2nd paragraph. Delete the 4th paragraph.

ON PAGE 28 OF 571, SUBSECTION 102.05, CONDITIONAL PROPOSALS

Delete the 2nd to last paragraph.

ON PAGE 102.07, DELIVERY OF PROPOSAL

Delete the 2nd sentence of the first paragraph and replace with the following:
Submit the proposal in a sealed envelope marked on the outside with bid enclosed, proposal name, and key number or ITB number, addressed to the Department in the care of Contracting Services.

ON PAGE 31 OF 571, SUBSECTION 103.04, CONTRACT BONDS

Add the following paragraph prior to the beginning of the subsection:
This subsection applies to contracts with a construction cost valued at $50,000 or more.

ON PAGE 31 OF 571, SUBSECTION 103.05, EXECUTION AND APPROVAL OF CONTRACT

Delete the entire paragraph and replace with the following:
Sign and return the contract with the contract bonds within 5 calendar days after contract receipt. If the Department does not execute the contract within 5 calendar days after the Department’s receipt of the signed contract and bonds, the bidder may withdraw the proposal without penalty. The contract will not be effective until fully executed.

ON PAGE 31 OF 571, SUBSECTION 103.06, FAILURE TO EXECUTE CONTRACT

In the first sentence, delete “15” and replace it with “5”.

ON PAGE 59 OF 571, SECTION 106, CONTROL OF MATERIAL

Delete this section in its entirety.

ON PAGE 67 OF 571, SUBSECTION 107.10 - RESPONSIBILITY FOR INJURY DAMAGE

In the fourth full paragraph, Delete the entire paragraph starting with “Submit a certificate...” and replace it with the following:
Submit a certificate or other proof of insurance to IRP@itd.idaho.gov and do not start work before obtaining approval of the insurance coverage by the Contracting Services branch.
SPECIAL PROVISIONS
Idaho State Aid Project – ITB No. M640034

D6 On Call Service for Illumination & Signal Repair

The following special provisions and all addenda issued supplement or modify the 2018 Idaho Transportation Department Standard Specifications for Highway Construction, 2019 Supplementals for the Idaho Transportation Department 2018 Standard Specifications for Highway Construction, Standard Drawings (Dec 2018 Release), Special Provisions-State Aid (SP-SA). This is not a federally funded contract.

Completion Date and Liquidated Damages
Projects will be On Call. The initial term of the contract will be two (2) years from the date of award, with the option to renew for two (2) additional periods of one (1) year each. Maximum duration of the contract will be four (4) years.

There will be no liquidated damages assessed on this contract.

General Scope
Work under this contract is for on call service to repair, fix, replace, and maintain illumination and signals on various Highways in District 6 at the discretion of the Project Manager. This includes but not limited to replacement, repair or fixing of light poles, bulbs, wiring, signal heads, underground boxes, and all maintenance of all related fixtures and components. Ability to work on illumination up to 50’ high. Quantities shown are for estimating purposes only. Actual quantities may be zero, or significantly greater than estimated. Quantity variations, per Subsection 109.03 do not apply to this contract.

Performance Bonding
Performance bonds are required for all contracts with an estimated value of $50,000 or more.

Licensing Requirements
Idaho Division of Building Safety- Contractors License
Contractor’s employees must be properly licensed under Idaho Division of Building Safety.

Idaho Public Works license is required at the time of bid opening for all work with an estimated value of $10,000 or more.

Traffic Control and Safety
Work under this Contract is expected to require traffic control. The Contractor must submit traffic control plans to the Engineer in accordance with the currently adopted Manual of Uniform Traffic Control Devices (MUTCD) for acceptance prior to commencement of work on the contract. All traffic control devices must be set up according to the accepted traffic control plans and according to the MUTCD. Contractor shall wear safety vests at all times while working within ITD right-of-way and all trucks and equipment will have flashing yellow overhead lights.

Worksite Cleanup
The Contractor must keep work areas free of waste materials. Upon completion of work, all waste, tools, supplies, and materials must be removed from ITD’s premises. Any tools and supplies left onsite after work completion will be considered property of ITD.
National Pollution Discharge Elimination System (NPDES) and Storm Water Prevention Plan (SWPP) 107.17I

Work under this contract is not anticipated to disturb a large enough area to require a Storm Water Pollution Prevention Plan or Pollution Prevention Plan. The Contractor is still responsible for implementing best management practices, as needed and appropriate, to minimize any erosion or runoff from the project.

Item No. 1 Project Manager

**Description.** Work under this item includes the hourly rate to perform a site inspection to assess the damage and determine the repairs and/ or replacement needed and to provide a cost estimate and timeline for repairs.

**Method of Measurement.** Work under this item will be measured based on the hourly labor rate needed to perform the work under this item. The cost for transportation is not included in this item, but can be charged under the accepted rate for the transportation used.

**Basis of Payment**

Project Manager HR

**Per Diem**

Per Diem for Meals and Incidental Expenses (M&IE), lodging and mileage rates (for vehicles not listed in the bid schedule, but necessary) will be paid according to the current per diem policies under the Federal Per Diem Rates for Idaho for the appropriate locality of work.

The Contractor will provide proof of lodging with receipts. Timesheets, or daily work reports, may be requested by the Department to prove eligibility for Meals and Incidental Expenses.

Item No. 2 through 3, Labor Rates

**Description.** Work under these items are for performing the repair and replacement and or maintenance of Illumination and Signals and all fixtures and components during regular hours.

**Method of Measurement.** Work under these items include the loaded hourly labor rates for performing this work during regular hours, assumed to be 8 hours per day, Monday through Friday. If the contractor works an alternative schedule, the regular hours (40 hours per week) will be based on that. The overtime rate will be charged at 1.5 times the regular hourly rate. Overtime must be preapproved by the Department, or it will not be compensated. The Contractor must provide timecards to the Department, upon request.

**Basis of Payment**

Journeyman Electrician HR

Apprentice Electrician HR
Per Diem

Per Diem for Meals and Incidental Expenses (M&IE), lodging and mileage rates (for vehicles not listed in the bid schedule, but necessary) will be paid according to the current per diem policies under the Federal Per Diem Rates for Idaho for the appropriate locality of work.

The Contractor will provide proof of lodging with receipts. Timesheets, or daily work reports, may be requested by the Department to prove eligibility for Meals and Incidental Expenses.

Item No. 4 through 9, Equipment Rates

**Description.** Work under these items are for the equipment required to perform the repair and replacement and or maintenance of Illumination and Signals.

**Method of Measurement.** Work under these items include the loaded hourly labor rates for the equipment used to repair and replacement and or maintenance of Illumination and Signals.

**Basis of Payment**

- Pickup/Van HR
- Bucket Truck HR
- Boom Truck HR
- Excavator HR
- Backhoe HR
- Miscellaneous Eq. HR

* Equipment rates for an aerial or bucket truck, that is capable of servicing units 50' above the ground, must be by the hour for the time actually used on the job. Travel or stand by time will not be paid. The equipment hourly rate must include all costs to operate the unit.

Item No. 10 Traffic Control

**Description.** Work under this item is to compensate the Contractor for providing temporary traffic control, as necessary, to provide traffic control in compliance with the MUTCD.

**Method of Measurement.** Work under this item includes the lump sum rate for each typical traffic control setup for the repair and replacement and or maintenance of Illumination and Signals that is in compliance with the MUTCD. This includes temporary traffic control signs, drums, cones, arrow boards, and other items required to comply with the MUTCD.

**Basis of Payment**

- Traffic Control EA (Lump sum for each setup)
Item No. 11 Materials

Description. This item will compensate the Contractor for the materials required to repair, replace and or maintain Illumination and Signals, as appropriate.

Materials Requirements. Materials under this item must be preapproved in writing in order to be compensated.

All damaged and old parts or materials with an estimated value of over $100 per single item, at the discretion of the Department, must remain the property of ITD and be delivered to the District Traffic Signal Electrician at Rigby, Idaho.

Method of Measurement. Materials under this item will be measured as a contingency amount for as-needed materials to perform the work required under this contract.

Basis of Payment. Materials and parts will be paid at the Contractor’s invoice cost plus 10%. Shipping costs and sales tax will be paid at Contractor’s invoice cost without any markup. A copy of all invoices must be submitted with billings for any item exceeding $500.00. The Contractor may be requested to provide invoices for any items at the discretion of the Department.

Materials CA

Method of Acceptance. Acceptance of this work will be by measurement of completed preapproved work by the Department and submittal of invoices by the Contractor. This item will be accepted by the Department with daily work logs and invoices provided by the Contractor and preapproved by the Department in writing.
2019 SUPPLEMENTAL SPECIFICATIONS FOR THE 2018 IDAHO STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

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ON PAGE 550, SUBSECTION 712.02 – RETROREFLECTIVE SHEETING

ON PAGE 568, SUBSECTION 720.03 – POLYTETRAFLUOROETHYLENE BRIDGE BEARING PADS
ON PAGES 14, 15, 16, AND 17, SUBSECTION 101.03.2 – ACRONYMS
Add COD Contractor-Obligated Defects
Add MARV Minimum Average Roll Values
Add NCOD Noncontractor-Obligated Defects
Add PTFE Polytetrafluoroethylene
Add TCS Traffic Control Supervisor

ON PAGE 27, SUBSECTION 102.04 – PREPARATION OF A PROPOSAL
In the second paragraph, replace “Expedite” with “Project Bids”.
Add the following to the last paragraph:
   as specified in 67-2310, Idaho Code.

ON PAGE 29, SUBSECTION 102.12 – PROTESTING A PROPOSAL
Delete 102.12 and replace with:
   To protest a determination made by the Department regarding the regularity or irregularity of a bid, submit a written protest to the Chief Engineer within 5 calendar days (40-902, Idaho Code) of the official results being posted to the Department’s website (https://apps.idt.idaho.gov/Apps/contractors/br.htm). The protest must set forth in specific terms the reasons why the Department’s determination is thought to be erroneous.

   Protest by Apparent Low. If the protest is made by the apparent low bidder, the protest will be addressed by the Chief Engineer.

   Third-Party Protest. If the protest is made by other than the apparent low bidder, the Chief Engineer will assign a hearing officer for a contested case hearing followed by a final decision by the Chief Engineer.

ON PAGE 38, SUBSECTION 105.04 – COORDINATION OF CONTRACT DOCUMENTS
Delete subsection 105.04, in its entirety, and replace with:
   The specifications, plans, special provisions, and supplementary documents are all essential parts of the contract. In case of discrepancy between contract documents, the discrepancy is resolved by following this order of precedence (i.e., 1 presiding over 2, 3, 4, 5, 6, and 7; 2 presiding over 3, 4, 5, 6, and 7; etc.):
   1. Bid schedule.
   2. Addenda.
   3. Special provisions.
   4. Quality assurance special provision.
   5. Plan details.
   6. Plan sheets.
   7. Standard Supplementals.
11. Electronic files.

Calculated dimensions govern over scaled dimensions.

Immediately notify the Engineer of an apparent error or omission encountered in the contract documents. Do not take advantage of errors or omissions in the contract documents. The Engineer will determine if an error or omission exists, interpret and correct the error or omission to fulfill the intent of the contract documents, and determine if a contract revision is required as a result of the error or omission as specified in 104.02.

If any discrepancies are found between the plans and the electronic files, the information in the plans presides over the electronic files.

ON PAGE 42, SUBSECTION 105.14.D – MAINTENANCE DURING CONSTRUCTION

Delete 105.14.D and replace with:

D. Maintenance of Traffic.

Maintain the road for use by traffic and minimize traffic delays during roadway construction, unless otherwise directed.

Before starting the work, provide a temporary traffic control plan for approval. Include the following information:

1. Construction phasing and work areas.
2. Phasing and sequencing for implementing the temporary traffic control plan and transitioning between phases.
3. Proposed detours.
4. Emergency vehicle and school bus route accommodations.
5. Pedestrian and bicycle accommodations.
6. Plan for preserving access to cross streets and approaches.
7. Temporary traffic control devices.

Submit changes to the approved temporary traffic control plan for approval. Allow at least 2 business days for review and approval.

Provide and maintain access to cross streets and approaches at no additional cost to the Department.

ON PAGE 61, SUBSECTION 106.06 – STORAGE AND HANDLING OF MATERIAL

Add the following after the first sentence:

When applicable store and handle all materials in accordance with the manufacturer's recommendations. Improperly stored or handled materials are subject to rejection.
ON PAGE 77, SUBSECTION 107.19.5 – SURVEY MONUMENT PRESERVATION
Under subsection 5, delete the second full sentence beginning with “Obtain and complete the …”

ON PAGE 78, SUBSECTION 107.19.7 – SURVEY MONUMENT PRESERVATION
Under subsection 7, Preliminary Procedure, delete subsections 107.19.7.b through 107.19.7.e and replace with the following:

b. Control points or benchmarks set by agencies of the United States government, the state of Idaho, counties, cities, or private surveyors.
c. Right of way monuments that may be disturbed by the work.
d. A list of known survey monuments will be provided in the contract.

ON PAGE 78, SUBSECTION 107.19.9.a – SURVEY MONUMENT PRESERVATION
Under subsection 9.a, add the following at the beginning of the subsection:

For each survey monument shown in the plans, follow recommended actions.

ON PAGE 78, SUBSECTION 107.19.9.b – SURVEY MONUMENT PRESERVATION
Under subsection 9.b, delete the second and third full sentences beginning with “A survey monument set or adjustment…” and replace with the following:

Any survey monument set or adjusted will be in accordance to 54-1227, Idaho Code and for Public Land Survey System (PLSS) corner monuments will be surmounted with a cap of such material and size that it can be permanently and legibly marked in accordance with the current Manual of Surveying Instructions published by the United States Department of the Interior, Bureau of Land Management.

ON PAGE 78, SUBSECTION 107.19.9.c – SURVEY MONUMENT PRESERVATION
Under subsection 9.c, delete the second sentence beginning with “In the case of NGS survey monuments…” and replace with the following:

In the case of NGS survey monuments, the Idaho’s NGS Geodetic Coordinator on staff at Idaho State University (ISU), if available, or the NGS Northwest Regional Geodetic Advisor in Seattle, Washington will be consulted before the removal and reestablishment of any NGS or United States Coast and Geodetic Survey monument.

ON PAGE 79, SUBSECTION 107.19.9.d – SURVEY MONUMENT PRESERVATION
Under subsection 107.19.9.d. delete the subsection and replace with the following:

d. Survey monuments lying within the paved portions that will or may be disturbed during the work will be treated as follows:

(1) Installations for street monuments within the paved portions of the roadway and more than 1 foot inside the edge of the asphalt shoulder (edge of oil) that will or may be disturbed will conform to the specifications for a street monument as specified in 618.

(2) If an existing survey monument meets the minimum requirements of 54-1227, Idaho Code, it can be retained or adjusted vertically in place as determined by the PLS.

(3) If an existing survey monument does not meet the minimum requirements of 54-1227, Idaho Code, a new survey monument which meets or exceeds the minimum
requirements of 54-1227, Idaho Code or the standards of the original monumenting agency, whichever is a superior monument, will be installed by or under the direct supervision of the PLS.

(4) If an existing survey monument must be removed for the work, a new survey monument which meets or exceeds the minimum requirements of 54-1227, Idaho Code or the standards of the original monumenting agency, whichever is a superior monument, will be installed by or under the direct supervision of the PLS.

(5) All state highway system right of way monuments disturbed will conform to the specifications for a right of way marker as specified in 618.

ON PAGE 79, SUBSECTION 107.19.9.g – SURVEY MONUMENT PRESERVATION

Under subsection 107.19.9.g., delete the subsection and replace with the following:

Any survey monument not intended to be replaced by the work but that was willfully or carelessly disturbed or destroyed by the Contractor, or as a result of the contracted work, will be re-established and re-monumented as specified in this section.

ON PAGE 79, SUBSECTION 107.19.10 – SURVEY MONUMENT PRESERVATION

Under subsection 107.19.10, delete the subsection and replace with the following:

10. Documentation.

Following the completion of the work, the PLS will verify the monument positions, stamp the survey monuments, and verify the vaults (casings) have been installed, if required.

a. If public land corner monuments were adjusted or replaced, or if any accessories to the public land corner monuments have been established, the PLS will file the appropriate documentation in the county or counties where the project site is located in accordance with 55-16, Idaho Code.

b. If private land corner monuments, centerline monuments, or right of way monuments were adjusted or replaced, a record of survey will be filed in accordance with 55-19, Idaho Code. Before filing the record of survey, submit drawing to the District Land Surveyor for review, complete all corrections noted and resubmit as indicated, and file the record of survey when approved.

c. The PLS will submit a copy of all documents recorded at the county offices.

d. If NGS survey monuments were disturbed and/or reset, the PLS will submit copies of the monument reset information as provided to and approved by the NGS.

e. The PLS will submit a written report, which documents all actions taken by him/her or the Contractor to preserve or restore each survey monument within the project site.

(1) Before construction, include the Geodetic or State Plane coordinate positions (including coordinate system, datum, and project combination factor used) of each survey monument within the project site.

(2) After the work has been completed, include the Geodetic or State Plane coordinate positions of each survey monument.

(3) Include the actions taken by the Contractor and the PLS to preserve, adjust, or replace each and every survey monument.

(4) The PLS will seal and sign this document.
ON PAGE 80, SUBSECTION 107.19.11 – SURVEY MONUMENT PRESERVATION
Under subsection 107.19.11 MCPD submittal, delete the subsection and replace with the following:

11. MCPD Submittal.

The PLS will obtain and complete the MCPD master template form, in its entirety, with global positions (e.g., WGS-84 latitude, longitude, and orthometric height) and with State Plane Coordinates of all survey monuments located, referenced, and tied during and checked after the work. The PLS will submit the completed MCPD template directly to the MCPD Data Steward at ISU (mcpd@isu.edu) and submit a copy to the Engineer. The MCPD template is available at http://giscenter.isu.edu/research/Techpg/GC/zip/MCPD_MASTER_TEMPLATE.zip. In the submittal of the MCPD to ISU, include a letter of transmittal signed and sealed by the PLS.

ON PAGE 80, SUBSECTION 107.19 – SURVEY MONUMENT PRESERVATION
Under subsection 107.19, delete the last paragraph of the subsection, replace with the following:

Survey monument preservation work to locate, reference, reestablish, replace, install, adjust, or reconstruct survey monuments and vaults, and to obtain and complete the MCPD template for submittal will be paid by force account as specified in 109.03.C.5.f.

Payment for this work will be withheld until copies of field notes and diaries documenting the work, the written Survey Monument Preservation report, and copies of all documents filed with County Recorders are submitted to the Engineer.

ON PAGE 83, SUBSECTION 108.03.A – PROJECT SCHEDULE
Add the following to number 6 under part A:

unless allowed by the Engineer.

Delete the second sentence in number 7 under part A and replace with:

Leads and lags may be used when applicable.

ON PAGE 108, SUBSECTION 110.01 – CIVIL RIGHTS/GENERAL REQUIREMENTS
Delete section 110.01 replace with:

For federal-aid contracts, the Contractor will comply with 110 per Special Equal Employment Opportunity Responsibilities under 23 CFR 140 and 23 CFR 230, Subpart A and D (also refer to United States Department of Transportation (USDOT) form FHWA-1273 attached to each contract).

The Contractor will take affirmative action to assure equal employment opportunity as required by Executive Order 11246 and Executive Order 11375. The Contractor must ensure compliance with the Uniformed Services Employment and Reemployment Rights Act (USERRA) and the Vietnam Era Veterans’ Readjustment Assistance Act (VEVRAA) where appropriate.

ON PAGE 108, SUBSECTION 110.02 – CIVIL RIGHTS/EQUAL EMPLOYMENT OPPORTUNITY
Delete section 110.02 replace with:

The Contractor will establish and administer wages, working conditions, employee benefits, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and
termination, in a non-discriminatory manner. When advertising to hire employees, the Contractor will include in all advertisements for employees the notation: “An Equal Opportunity Employer”. All advertisements will be published in newspapers or other publications having a large circulation among women and minority groups in the project area where the work force would normally be sourced.

ON PAGE 113 OF 571, SUBSECTION 110.03.B.1, DISADVANTAGED BUSINESS ENTERPRISE FOR RACE/GENDER – CONSCIOUS CONTRACTS

Delete the second sentence in the first full paragraph and replace with:

The Contractor must use ITD-2396 form, with all supporting documentation to the Department’s Office of Civil Rights by 5:00 pm MT on the day of bid opening or the Contractor’s bid will be deemed irregular as specified in 102.10.

ON PAGE 114 OF 571, SUBSECTION 110.03.B.4, DISADVANTAGED BUSINESS ENTERPRISE FOR RACE/GENDER – CONSCIOUS CONTRACTS

Delete the first sentence in the first paragraph and replace with:

The Department requires all bidders to furnish DBE commitments on the ITD-2396 and all supporting documentation for a construction contract by 5:00 pm MT on the day of bid opening.

ON PAGE 114 OF 571, SUBSECTION 110.03.B.4.c, DISADVANTAGED BUSINESS ENTERPRISE FOR RACE/GENDER – CONSCIOUS CONTRACTS

Add the following below the first paragraph:

The statement(s) of confirmation must include the date, project identifier (project name and/or project number), DBE work items, DBE subcontractor total, and a written statement that they are committed to performing the work quoted, if selected. This information may be in the form of a quote or estimate, so long as all bid items are included.

ON PAGE 123, SUBSECTION 203.03.D – MISCELLANEOUS REMOVALS/CONSTRUCTION REQUIREMENTS

Replace Part D with the following:

D. Remove Sign Assembly. This includes signs, sign posts, and sign post foundations. If the sign is to be reinstalled, protect signs during transportation and storage to prevent damage.

ON PAGE 125, SUBSECTION 203.05 – MISCELLANEOUS REMOVALS/BASIS OF PAYMENT

Delete the first two pay items and replace with:

Removal of Miscellaneous Items.............................................Each, ft, SF, SY, LS
Removal of __________________.........................................................Each, ft, SF, SY, LS

ON PAGE 127, SUBSECTION 205.02 – EXCAVATION AND EMBANKMENT/MATERIALS

B. Granular Borrow. Delete “greater than” from the second sentence and replace with “a minimum of” to be consistent with other references to the sand equivalent test and to be more mathematically consistent with the intent.

Replace Part D with the following:

D. Shoulder Materials. Provide ¾-inch aggregate for untreated base that meets 703.04.
ON PAGE 129, SUBSECTION 205.03.E – EXCAVATION AND EMBANKMENT/CONSTRUCTION REQUIREMENTS

Delete the last sentence of the first paragraph under part E and add the following:

   Excavate down 2 feet minimum from the top of the roadbed or to the lines and grades as directed.

ON PAGE 131, SUBSECTION 205.03.G – EXCAVATION AND EMBANKMENT/CLASSES OF COMPACTION AND DENSITY REQUIREMENTS

In Table 205.03-1 – Class A Compaction, delete “205.03.E.2” and replace with “205.03.F.2”.

ON PAGE 138, SUBSECTION 205.04 – EXCAVATION AND EMBANKMENT/METHOD OF MEASUREMENT

Add the following to the end:

   10. Shoulder aggregate will be measured by the cubic yard or by the ton.
   11. Excavation and soft spot repair will be measured by the cubic yard of excavated material in its original position.

ON PAGES 143-145, SECTION 210 – STRUCTURE EXCAVATION AND COMPACTING BACKFILL

Delete section 210, in its entirety, and replace with:

210.01 Description. Excavate and dispose of materials required for the construction of structures, unless otherwise specified as structural excavation. Include necessary drainage, pumping, bailing, sheeting, shoring, and the construction and removal of cribs and cofferdams. Remove old structures or parts as required. Place and compact backfill material as compacting backfill. Include sloping and cleaning up the sites.

The contract pay item structure excavation schedule no. 1 includes excavation for bridges, boxes, and stiffleg culverts. The contract pay item structure excavation schedule no. 2 includes excavation for other structures.

210.02 Materials. The Engineer will test material for backfill in accordance with AASHTO T 310 Method B, excluding materials too granular to test.

210.03 Construction Requirements.

A. General. Remove and dispose of unsuitable foundation material below the designed elevation as directed. Use suitable surplus excavated material in the construction of embankments. Replace material removed below the designed elevation with approved material.

Sheet and brace trenches if necessary. Do not remove sheeting or bracing until backfill has progressed enough to prevent damage to pipelines or structures.

Remove sheeting and bracing used in supporting structure excavation.

Where rock, hardpan, or other unyielding material is encountered and a yielding material is required, remove the unyielding material below the grade specified and backfill as directed.

Do not begin structure construction or backfill placement until the foundation has been approved. Do not use frozen material as backfill, and do not place backfill on snow-covered or frozen surfaces.
Place backfill consisting of suitable material in layers of 8 inches or less and compact to Class A compaction as specified in 205.03.G.

For backfill material placed within 3 feet of a concrete structure or retaining wall, uniformly distribute the backfill material in layers of no more than 8 inches and compact with lightweight compacting equipment having an impact force of 1,000 to 3,000 pounds. Compact the backfill to the density requirements for Class A compaction as specified in 205.03.G, before successive layers are placed. For backfill material determined by the Engineer as too granular to test, apply at least 5 overlapping compacting equipment passes per 8-inch lift or less.

Compact backfill in areas not within a roadway prism, or special backfill around pipe underdrains not requiring a higher degree of compaction for some other purpose, to approximately the same density as the adjacent undisturbed soil or gravel. Perform compaction by any effective means.

B. Conduit and Structural Plate Arch. Place and compact pipe bedding in maximum 6” loose lifts, and ensure that bedding completely fills the area under the pipe haunches. Carefully hand tamp under the lower ¼ of the overall pipe diameter, then compact for the balance of the pipe height and for the specified amount of bedding to be placed over the pipe.

Backfill pipe culvert and other conduit trenches with approved material.

C. Structures. For structures or retaining walls founded on rock, excavate rock to the elevation shown in the plans. Remove any weathered, highly broken rock at the excavation bottom. Level excavated rock surfaces to the plan elevation with Class 15 or higher class concrete before constructing the structure or wall foundations.

Use appropriate equipment and take precautions to ensure that structure and retaining wall foundation soils are not disturbed during excavation that may affect their bearing capacity. Remove disturbed, soft or unsuitable materials from the excavation and backfill with granular borrow or other approved material to the plan elevation. Replace material disturbed by the Contractor’s operations at no additional cost to the Department.

Compact the bottom of soil excavations with a minimum of 5 overlapping passes with an approved compactor.

Take precaution when pumping water from foundation enclosure interiors to prevent the possibility of concrete materials being carried away. Do not pump during the placing of concrete or for at least 24 hours after, unless it is done from a suitable sump or well point separated from the concrete work.

When placing backfill material under water, place backfill in layers not thicker than 2 feet. Compaction is not required for this placement type.

Do not place backfill against newly constructed masonry or concrete structures before meeting the requirements in Table 502.03-5.

210.04 Method of Measurement. The Engineer will measure acceptably completed work by the cubic yard based on planned quantity.

The Engineer will measure structure excavation as the volume of material within prism-limiting planes as follows:

1. Structures:
   a. The bottom of the foundation.
b. The vertical planes 2 feet outside of and parallel to the outside lines of the structure, in the case of bents with individual column footings, the entire bent are considered as 1 structure.

c. With upper limits as follows:

(1) In embankment sections, the existing ground surface as cross-sectioned.

(2) In roadway cut sections or channel changes, the planes of the roadway cut or channel change as excavated.

The Engineer will measure compacting backfill by the cubic yard of backfill material placed and as follows:

1. Structures:

a. Below the original ground surface. A volume equal to the volume of structure excavation less the volume of the permanent structure, including the opening, contained within the limits of measurement for structure excavation.

b. Above the original ground surface. The volume contained between the outside walls of the structure and vertical planes 4 feet outside the original ground surface or the horizontal plane 1 foot above the top of the structure or of the subgrade, whichever is less.

c. Volumes of backfill placed through water around abutments, wing walls, and piers will not be included in the measurement of quantities for compacting backfill.

210.05 Basis of Payment. The Department will pay for acceptable quantities at the contract unit prices as follows:

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure Excavation Schedule No. 1</td>
<td>CY</td>
</tr>
<tr>
<td>Structure Excavation Schedule No. 2</td>
<td>CY</td>
</tr>
<tr>
<td>Compacting Backfill</td>
<td>CY</td>
</tr>
</tbody>
</table>

When the contract does not include a contract pay item for structure excavation or compacting backfill, this work is incidental and included in other contract pay items.

The Department will pay for required structure backfill or bedding material whose source is other than structure excavation at the contract unit price for the material being used or as extra work if no unit price was established.

If the Contractor is directed to remove material below the elevation specified, the Department will pay for the excavation work at the contract unit price or as extra work.

The Department will pay for Class 15 concrete used to backfill rock excavation below the bottom of the design footing grade based on the actual quantity used, but not to exceed a prism 1 foot outside the footing neat lines with an average depth of 1 foot below the bottom of footing.

Payment will not be made by the Department to excavate, backfill, and compact material removed for safety purposes or foundation soils that become disturbed due to the Contractor's operations.

The Department will pay using plan quantities as specified in 109.01.

**ON PAGE 161, SUBSECTION 303.03.A – AGGREGATE BASIS/CONSTRUCTION REQUIREMENTS**

Delete 1-4.
ON PAGE 199, SUBSECTION 405.03.J – SUPERPAVE HOT MIX ASPHALT/CONSTRUCTION REQUIREMENTS/PRODUCTION PAVING
Add “2” before Documentation/Control Charts.

ON PAGE 200, SUBSECTION 405.03.J.2.d – SUPERPAVE HOT MIX ASPHALT/CONSTRUCTION REQUIREMENTS/PRODUCTION PAVING
Delete the second sentence and replace with:

The 2 determinations must not vary by more than 0.012.

ON PAGE 222, SUBSECTION 409.03.H.b.(3) – PORTLAND CEMENT CONCRETE PAVEMENT/CONSTRUCTION REQUIREMENTS/JOINTS/LOAD TRANSFER DEVICES/DOWEL BAR ASSEMBLIES
Replace “TFE” with “PTFE”.

ON PAGE 237, SUBSECTION 415.03.A – MICROSURFACING/CONSTRUCTION REQUIREMENTS/MIX DESIGN
Add the following:

Provide an optimized emulsion content for the microsurfacing mix design, using no less than 3 emulsion contents spread over a range not to exceed 2.0 percent residual.

ON PAGE 238, SUBSECTION 415.03.F – MICROSURFACING/CONSTRUCTION REQUIREMENTS/AUXILIARY EQUIPMENT
Add the following:

Screen the aggregate when loading units going from the stockpile area to the lay down operation.

ON PAGE 238, SUBSECTION 415.03.G – MICROSURFACING/CONSTRUCTION REQUIREMENTS/CALIBRATION
Add the following:

In the Engineer’s or their representative’s presence, demonstrate that the calibration data has been entered into the computerized control unit used to print the pay ticket.

ON PAGE 240, SUBSECTION 415.03.R – MICROSURFACING/CONSTRUCTION REQUIREMENTS/PRODUCTION MICROSURFACING
Replace 5 with:

5. Limit the emulsion content to within 1.0 percent of the job-mix design, not to exceed specifications.

ON PAGE 257, SUBSECTION 415.03.S – MICROSURFACING/CONSTRUCTION REQUIREMENTS/REPORTING
Replace 1 with:

1. Maintain quality control documentation and make available to the Engineer upon request or at completion of daily work. This includes machine counts for aggregate, emulsion and water.
ON PAGE 241, SUBSECTION 415.04 – MICROSURFACING/METHOD OF MEASUREMENT

Replace this section with:

The printouts from the calibrated computerized monitoring will be used to measure the pay items. Microsurfacing aggregate will be measured by the ton (dry weight basis). Polymer-modified emulsified asphalt will be measured by the ton, as delivered to the project site. Submit printouts daily. Make daily machine counts available for verification of Contractor supplied printouts.

ON PAGE 274, SUBSECTION 502.03 – CONCRETE/CONSTRUCTION REQUIREMENTS

Add note (c) to the 4th row (Bridge decks, top slabs of concrete box culverts or stifflegs) of Table 502.03-5.

Add the following note to the “Minimum Days” column:

1 day = 24 hours.

ON PAGE 313, SECTION 507 – BRIDGE BEARINGS (NEW SECTION)

A. Description. Provide and place bearings including plain unreinforced elastomeric pads, reinforced elastomeric pads with steel laminates, or polytetrafluoroethylene (PTFE) pads with stainless steel mating surface that meet AASHTO Specifications for Highway Bridges at girder supports as specified in the plans. Provide bearings with the dimensions, material properties, elastomer grade, and type of laminates specified. Show the design load specified and testing requirements.

If filled PTFE sheet is used, only glass-fiber filler will be approved.

B. Materials. Provide bearings as specified in:

- Elastomeric Bearings ........................................................................................................................................ 720.02
- Polytetrafluoroethylene (PTFE) Bearings ........................................................................................................ 720.03

Provide manufacturer certificates of compliance for materials used in the bearings.

C. Construction Requirements.

1. Fabrication. Fabricate bearings as specified in 720.02.
2. Testing. Test materials for elastomeric bearings and finished bearings as specified in 720.02.
3. Installation. Install bearings as specified in 720.02.

D. Method of Measurement. The Engineer will measure acceptably completed work by the each.

E. Basis of Payment. The Department will pay for acceptable quantities as follows:

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elastomeric Bearings – Plain</td>
<td>Each</td>
</tr>
<tr>
<td>Elastomeric Bearings – Laminated</td>
<td>Each</td>
</tr>
<tr>
<td>PTFE Bearings</td>
<td>Each</td>
</tr>
</tbody>
</table>

ON PAGE 337, SUBSECTION 521.03.A – DYNAMIC PILE TESTING AND CAPWAP ANALYSIS/CONSTRUCTION REQUIREMENTS/TESTING/GENERAL.

Delete “additional”.
ON PAGE 337, SUBSECTION 521.03.B – DYNAMIC PILE TESTING AND CAPWAP ANALYSIS/CONSTRUCTION REQUIREMENTS/TESTING/TESTING AND REPORTING.

Delete “1. Blows per foot of pile penetration” replace with
   1. Blows per foot (or inch) of pile penetration.

Delete “2. Stroke heights for single acting hammers or blows per minute for other hammer types” and replace with:
   2. Average stroke heights per foot (or inch) of penetration for single acting hammers or blows per minute for other hammer types.

Delete the last paragraph and replace with:

The Contractor will submit a final CAPWAP analysis report to the Engineer that is sealed and signed by an Idaho licensed professional engineer within 2 working days after the test(s) completion for each project site visit. The report will contain the required information and the CAPWAP analysis. The report must include the project key number, and information on the test pile, soil conditions, pile driving hammer, field test results (including the pile hammer stroke height at the hammer blow used for the CAPWAP analysis and the interval pile hammer blow count), and CAPWAP analysis with any comments that the consultant may have on the results.

ON PAGE 337, SUBSECTION 521.03.B – TESTING AND REPORTING

Add to the end of the second numbered list:

4. Graphs showing RMX, BLC, CSI, STK, and FMX by depth of penetration.
5. The hammer stroke and blow count when the CAPWAP analysis is performed will also be included.

ON PAGE 346, SUBSECTION 551.03.B.2.a – POLYESTER POLYMER CONCRETE (PPC) OVERLAY/CONSTRUCTION REQUIREMENTS/TRIAL OVERLAY

Delete the first paragraph and replace with:

Trial Overlay. Meet all the requirements for a trial overlay given in 551.03.B.1 except the minimum plan dimensions of the concrete pad and trial overlay are 12 feet in width and 75 feet in length. The trial overlay must meet the following additional requirements:

ON PAGE 352, SUBSECTION 553.02 – EPOXY OVERLAY/MATERIALS

Delete the last sentence, Table 553.02-2, and Table 553.02-3 and replace with:

Provide aggregate as shown in the plans and that meets the properties of Table 553.02-2 or 553.02-3. If aggregate is not specified, either aggregate is acceptable. Provide an aggregate with gradation that meets the requirements of Table 553.02-4.
TABLE 553.02-2 – Calcined Bauxite Aggregate Requirements

<table>
<thead>
<tr>
<th>Property</th>
<th>Requirement</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance to Degradation - LA Abrasion Test</td>
<td>20% maximum</td>
<td>AASHTO T96 or ASTM C131 “D” Grading</td>
</tr>
<tr>
<td>Resistance to Degradation - Micro-Deval Abrasion Test</td>
<td>5% maximum</td>
<td>AASHTO T327 or ASTM D6928</td>
</tr>
<tr>
<td>Moisture Content</td>
<td>0.2% maximum</td>
<td>AASHTO T255</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
<td>87% minimum</td>
<td>ASTM C25</td>
</tr>
<tr>
<td>Mohs Scale Hardness</td>
<td>8 minimum</td>
<td>------</td>
</tr>
</tbody>
</table>

TABLE 553.02-3 – Standard Aggregate Requirements

<table>
<thead>
<tr>
<th>Properties</th>
<th>Requirement</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance to Degradation - LA Abrasion Test</td>
<td>20% maximum</td>
<td>AASHTO T96 or ASTM C131, “D” Grading</td>
</tr>
<tr>
<td>Resistance to Degradation - Micro-Deval Abrasion Test</td>
<td>10% maximum</td>
<td>AASHTO T327 or ASTM D6928</td>
</tr>
<tr>
<td>Moisture Content</td>
<td>0.2% maximum</td>
<td>AASHTO T255</td>
</tr>
<tr>
<td>Mohs Scale Hardness</td>
<td>7 minimum</td>
<td>------</td>
</tr>
</tbody>
</table>

ON PAGE 367, SECTION 576 – GLASS FIBER REINFORCED POLYMER (GFRP) REINFORCEMENT

Delete the entire section and replace with:

576.01 Description. Provide and place glass fiber reinforced polymer (GFRP) as specified.

576.02 Materials. Provide GFRP reinforcement meeting ASTM D7957/D7957M. Provide GFRP reinforcement that is deformed and/or sand coated.

A. Submittals. Provide 2 copies of written certifications that the GFRP reinforcement meets this specification. In addition, list the test values and test procedures used to determine the physical properties of the GFRP reinforcement in the certification and provide the identifying lot information. Provide certifications bearing the notarized signature of a manufacturer’s representative having quality control responsibility. Identify each bundle of GFRP reinforcement with a durable tag displaying the corresponding lot numbers.

B. Repair Material. Comply with the bar manufacturer’s requirements for the material used to repair the cut ends of GFRP reinforcement. Perform all repairs of cut ends at the GFRP reinforcement manufacturer’s plant unless otherwise approved.

576.03 Construction Requirements.

A. Material Handling. When handling GRFP reinforcement, use equipment that avoids damaging or abrading the GFRP reinforcement. Do not drop or drag the GFRP reinforcement.
**B. Storage.** Store GFRP reinforcement above the ground surface on platforms, skids, or other supports as close as possible to the point of placement. Cover the bars with opaque plastic or other types of cover to protect the bars from the external environment. Prevent exposure of GFRP reinforcing bars to temperatures above 120 °F during storage.

**C. GFRP Placement.** Secure GFRP reinforcement firmly in place before and during concrete placement by means of bar supports adequate in strength and number to prevent displacement and to keep the reinforcing at the proper distance from the forms and as specified in 503.03.D. Steel tie wires, bar chairs, supports, or clips must be fully coated with either epoxy or plastic. Provide adequate vertical restraint of GFRP reinforcement to prevent upward movement in the fresh concrete due to buoyancy.

When placed in the work, reinforcement must be free from dirt, paint, grease, oil, or other foreign materials deleterious to bonding with surrounding concrete. Before placing concrete, remove foreign materials by cleaning the bars using methods and materials recommended by the bar manufacturer and Engineer approved.

**D. Field Cutting.** Field cutting GFRP reinforcement will not be permitted, except with Engineer’s prior approval. Shear cutting and flame cutting are not permitted methods of field cutting. Coat field cut ends as described in this specification. Repair all surface damage due to field cutting GFRP reinforcement as described below or replace the bar with an undamaged bar.

**E. Bending.** If bent GFRP reinforcement is required, the bends must be pre-fabricated. Field bending or straightening of GFRP reinforcement is not permitted.

**F. Repair of Bar Damage.** Repair all visible damage to the accepted GFRP reinforcement. Repair damaged areas using materials and procedures specified by the GFRP manufacturer.

**G. Concrete Placement.** If the reinforcement is not adequately supported or tied to resist settlement, floating upward, or movement in any direction during concrete placement, halt concrete placement until corrective measures are taken.

576.04 **Method of Measurement.** The Engineer will measure GFRP reinforcement by the foot.

576.05 **Basis of Payment.** The Department will pay for accepted quantities at the contract unit price as follows:

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Fiber Reinforced Polymer (GFRP) Reinforcement</td>
<td>ft</td>
</tr>
</tbody>
</table>

Ties, bar chairs, supports, or clips used for fastening GFRP reinforcement in place are incidental.

**ON PAGE 370, SUBSECTION 577.03.B – PILE SLEEVES/CONSTRUCTION REQUIREMENTS/ SHELL OR H-PILES**

Delete “Shell or” from letter B.

Add letter C:

C. Shell Piles. Fill the lower 5 feet of the sleeves with coarse aggregate before placing and compacting the MSE backfill, and after the pile is lowered into the predrilled hole but before pile driving begins. Ensure the inside sleeve is not closer than 2 inches from the steel pile.
ON PAGE 372, SUBSECTION 578.03 – PRECAST CONCRETE CULVERT/CONSTRUCTION REQUIREMENTS

Add the following sentence to the end of the second paragraph:

Ensure that dimensional tolerances meet ASTM C1577, Section 12.

ON PAGE 396, SECTION 602 – CULVERTS

Delete section 602, in its entirety, and replace with:

602.01 Description. Provide and install culverts.

602.02 Materials. Provide materials as specified in 601.

Provide pipe joints that are either silt-tight or leak-resistant as specified in 601.02.

Provide size No. 1, 2a, or 2b coarse aggregate for concrete as specified in 703.02 and ¾ inch minus aggregate for untreated base as specified in 703.04.

Controlled density fill as specified in 522.

602.03 Construction Requirements. Install pipes as specified in 601.03.

In continuous water flow situations (e.g., creek crossings), place controlled density fill in the bedding zone for 3 feet of culvert length at the upstream end.

602.04 Method of Measurement. The Engineer will measure acceptably completed work by the foot along pipe centerline. The Engineer will allow an additional 1 foot for each connecting band used in making an authorized extension of existing corrugated metal pipe. The Engineer will include culvert sections attached to aprons in culvert measurements.

Pipe aprons required only because PVC or PE pipe is used will not be measured or paid for separately when other pipe material is acceptable.

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

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>____ Pipe Culverts</td>
<td>.......................................................... ft</td>
</tr>
<tr>
<td>____ Pipe Arch</td>
<td>.......................................................... ft</td>
</tr>
</tbody>
</table>

Structure excavation, compacting backfill, trench zone backfill and pipe bedding zone material are all incidental and included in the culvert contract unit price.

ON PAGE 397, SECTION 603 – PIPE SIPHONS

Delete section 603, in its entirety, and replace with:

603.01 Description. Provide and install pipe siphons.

603.02 Materials. Provide materials as specified in 601.

Provide pipe joints that are leak-resistant with a maximum working pressure of 10 psi as specified in 601.02.
Provide size No. 1, 2a, or 2b coarse aggregate for concrete as specified in 703.02 and ¾ inch minus aggregate for untreated base as specified in 703.04.

603.03 Construction Requirements. Install metal pipe siphons as specified in 601.03.

Completely fill the siphon with water and repair leaks that develop before backfilling, using approved methods. If there are leaks around joints in rubber-gasketed concrete pipe, encase the joint using an approved reinforced concrete collar. Only 2 collar and joint repairs are allowed for each 150 feet of pipe. Empty the siphon of water before making repairs and then refill, retest, and obtain approval before backfilling.

603.04 Method of Measurement. The Engineer will measure acceptably completed work by the foot along pipe centerline. The Engineer may calculate the length from the dimensions of the approved siphon layout.

603.05 Basis of Payment. The Department will pay for acceptable quantities as follows:

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ Pipe Siphon</td>
<td>________________________________ ft</td>
</tr>
</tbody>
</table>

Structure excavation, compacting backfill, and trench zone backfill and pipe bedding zone material are all incidental, and included in the pipe siphon contract unit price.

ON PAGE 398, SECTION 604 – IRRIGATION PIPELINES

Delete section 604, in its entirety, and replace with:

604.01 Description. Provide and install irrigation pipelines.

604.02 Materials. Provide materials as specified in 601.

Provide pipe joints that are leak-resistant with a maximum working pressure of 10 psi as specified in 601.02.

Provide Size No. 1, 2a, or 2b coarse aggregate for concrete as specified in 703.02 and ¾ inch minus aggregate for untreated base as specified in 703.04.

604.03 Construction Requirements. Install pipe as specified in 601.03.

Test for leaks by closing off a section with suitable water bulkheads, filling the line with water, and applying pressure to the line equal to the maximum static head the finished line will be subjected to at the point of testing. Locate and repair leaks as approved.

604.04 Method of Measurement. The Engineer will measure acceptably completed work by the foot along pipe centerline. The Engineer will allow an additional 1 foot for each connecting band used in making an authorized extension of existing corrugated metal pipe.

604.05 Basis of Payment. The Department will pay for accepted quantities as follows:
Structure excavation, compacting backfill, and trench zone backfill and pipe bedding zone material are all incidental, and included in the irrigation pipeline contract unit price.

ON PAGES 399-401, SECTION 605 – SEWERS, MANHOLE AND VALVE COVERS

Delete section 605, in its entirety, and replace with:

605.01 Description. Construct sewers with manholes, inlets, connections, and other appurtenances to carry stormwater or sewage. Adjust and repair manhole and valve covers.

605.02 Materials. Provide materials as specified in:

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gaskets for Concrete Pipe</td>
<td>706.11</td>
</tr>
<tr>
<td>Rubber Gaskets for Corrugated Metal Pipe</td>
<td>706.12</td>
</tr>
<tr>
<td>Manhole Covers and Rings, Grates, Catch Basins, Inlets, etc.</td>
<td>708.22</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>701</td>
</tr>
<tr>
<td>Metals</td>
<td>708</td>
</tr>
<tr>
<td>Concrete Curing Compounds and Admixtures</td>
<td>709</td>
</tr>
<tr>
<td>Concrete</td>
<td>509</td>
</tr>
<tr>
<td>Reinforcing Steel</td>
<td>708.02</td>
</tr>
</tbody>
</table>

Provide pipe joints that are silt-tight or leak-resistant as specified in 601.02.

Provide other materials as specified in 601.

Corrugated PE pipe may only be used for storm sewers as specified in 706 and with the following additions:

1. Use Type S pipe.
2. Do not subject a pipeline with couplings to pressure flow.

Use only precast concrete manufacturers that hold current certification under the NPCA Plant Certification Program, the PCAA Plan Certification Program, the ACPA QCast Plant Certifications Program, or the PCI Plant Certification Program.

Provide size No. 1, 2a, or 2b coarse aggregate for concrete as specified in 703.02 and ¾ inch minus aggregate for untreated base as specified in 703.04.

605.03 Construction Requirements. The Contractor may tunnel or jack to cross under cross walks, house drives, or service pipes. Excavate and compact backfill as specified in 210.

Lay concrete pipe for sanitary sewer lines beginning at the lower (downstream) end with the receiving end upstream and with ends fully joined using suitable means to prevent air circulation within the pipeline.

Provide and install rubber-gasketed joints as specified in 601.03.

Install pipes as specified in 601.03.

Test the line for leaks before accepting the sewer line as specified in 601.03.
Install spiral rib corrugated steel pipe and ABS pipe in accordance with the manufacturer’s written instructions.

Test the line for leaks before accepting the sewer line as follows:

1. Close off a section with suitable watertight bulkheads.
   a. Fill the line with water.
   b. Apply 4 feet of head pressure to the line measured from the top of the pipe at the upstream end, and supplying water to the section under test so the water loss may be measured.

The Engineer will not accept the sewer line if the water loss exceeds 200 gallons per inch of pipe diameter per mile per day. Locate and correct any leaks if the loss exceeds the volume allowed.

The Contractor may test by the low pressure air method as an acceptable alternate to hydraulic testing as follows:

1. Test installation on runs or sections. The Department will allow preliminary testing before backfilling. Test when the pipe is in a wet condition.
2. Use an approved apparatus and method recommended by the pipe manufacturer.
3. Prepare the installation being tested, between its plugged ends, by pressurizing it to an internal pressure of 4 psi. Air pressure is defined as the pressure in excess of back pressure on the installation that would occur if the pipe were submerged in water. Hold an air pressure of 4 psi for at least 2 minutes or as long as needed for the pressure to stabilize.
4. The tested section, when tested on the air pressure drop method, will be if the time required for the pressure to drop from 3.5 to 2.5 psi coincides with ASTM C924.

The Contractor may test connections to inlet and outlet structures by blocking off a pipe section of the outlet, filling the structure with water, and observing the water surface drop. To be acceptable, water loss must not exceed 0.002 gallons per inch of inside perimeter of connection per foot of structure height or length per hour with no outside back pressure.

Construct manholes, catch basins, inlets, sediment and oil trap manholes, and sediment control catch basins as specified in 708.22.

A. Adjusting Manhole and Valve Covers.

Adjust the existing manhole and valve covers to conform to the new finished pavement grade. Exercise care in all operations in order to not damage the structures, equipment, or utilities (e.g., water, gas, power). Any damage occurring to the utilities due to the Contractor’s operation will be repaired at no additional cost to the Department. Make any masonry adjustment by using bricks, concrete blocks, or placed concrete.

Coordinate with the utility owner 5 business days before lowering the manhole or valve covers. Locate and lower the manhole or valve covers before excavation and adjust to match the finished pavement grade. Where excavation is necessary to adjust to the design elevation, place backfill in 3-inch lifts and tamp by hand.

Place concrete collars around manholes and valve covers as specified. The concrete collar will be 1 foot wide, measured from the metal cover edge to the cut pavement edge. A 10-foot straightedge will be used to determine the completed installation surface smoothness. Place concrete collars ¼ inch below the finished grade. Adjust any high points by grinding.
B. Manholes, Valves, Catch Basins, and Inlets.

Construct manholes, valve frames and covers, catch basins, and inlets.

Adjust existing manhole and valve frames and covers to the finished pavement grade. Coordinate with the utility owner 5 business days before making adjustments. Replace damaged manhole or valve frames and covers.

Install concrete collars around manhole and valve frames. Use Idaho IR 87 to test surface smoothness.

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

1. By the foot along pipe centerline, excluding the distance across catch basins, manholes, inlets, and other structures where the pipe, or a portion of pipe, is not actually incorporated in the finished product.
2. Manholes, valve frames and covers, catch basins, and inlets by the each.
3. Manhole and valve frame and cover adjustment and replacement by the each.

The Engineer will not measure structure excavation and backfill.

605.05 Basis of Payment. The Department will pay for acceptable quantities as follows:

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____ Storm Sewer Pipe</td>
<td>ft</td>
</tr>
<tr>
<td>_____ Sanitary Sewer Pipe</td>
<td>ft</td>
</tr>
<tr>
<td>Manholes, Type ______________</td>
<td>Each</td>
</tr>
<tr>
<td>Catch Basins, Type ___________</td>
<td>Each</td>
</tr>
<tr>
<td>Inlets, Type ________________</td>
<td>Each</td>
</tr>
<tr>
<td>Sediment and Oil Trap Manhole</td>
<td>Each</td>
</tr>
<tr>
<td>Sediment Control Catch Basin</td>
<td>Each</td>
</tr>
<tr>
<td>Adjust Manhole Covers</td>
<td>Each</td>
</tr>
<tr>
<td>Adjust Valve Covers</td>
<td>Each</td>
</tr>
<tr>
<td>Replace Damaged Manhole Frame</td>
<td>Each</td>
</tr>
<tr>
<td>Replace Damaged Valve Risers</td>
<td>Each</td>
</tr>
</tbody>
</table>

Structure excavation, compacting backfill, and trench zone backfill and pipe bedding zone material are all incidental, and included in the sewer, manhole and valve cover contract unit price.

ON PAGE 411, SUBSECTION 612.03.A – GUARDRAIL/CONSTRUCTION REQUIREMENTS/GUARDRAIL

Add the following after paragraph 4:

Install guardrail terminals in accordance with the manufacturer’s written installation instructions. Provide and install self-adhesive object marker sheeting to the end of guardrail terminals or provide an object marker for each guardrail terminal.
ON PAGE 418, SUBSECTION 616.04 – SIGNS AND SIGN SUPPORTS/METHOD OF MEASUREMENT
Add the following after item 6:

7. Reinstalled signs will be per each sign reinstallation. Sign posts and foundations will be paid by their respective pay items.

ON PAGE 421, SUBSECTION 618.03 – MARKER POSTS, WITNESS POSTS, AND STREET MONUMENTS
Delete the last sentence of the first paragraph starting with “Mark right of way…” and replace with the following:

Mark right of way and centerline monuments with station and offset.

ON PAGE 422, SUBSECTION 618.05 – MARKER POSTS, WITNESS POSTS, AND STREET MONUMENTS
At the end of the subsection add the following:

Payment for marker posts and street monuments required under 107.19 are not included in the quantities of work under this section.

ON PAGE 425, SUBSECTION 619.03.D – ILLUMINATION/CONSTRUCTION REQUIREMENTS/POLES
In the last paragraph, delete “Formula No. 14” and replace with “Formula No. 2”.

ON PAGE 429, SUBSECTION 621.01 – SEEDING/DESCRIPTION
To the end of the first paragraph, add “specified”.

ON PAGE 431, SUBSECTION 621.03.D – SEEDING/CONSTRUCTION REQUIREMENTS/SEEDING
Delete from the third paragraph “The Department will provide seed at no cost to the Contractor unless otherwise specified”.

ON PAGE 434, SUBSECTION 621.03.G – CONSTRUCTION REQUIREMENTS/WATERING
Replace “May 30 and September 15” with “May 1 and October 14”.

ON PAGES 440-443, SECTION 626 – TEMPORARY TRAFFIC CONTROL
Delete section 626, in its entirety, and replace with:

626.01 Description. Provide, install, maintain, remove, and relocate temporary traffic control devices.
626.02 Materials. Provide material as specified in:

Guardrail and Concrete Barrier ............................................................................................................... 612
Crash Cushions ........................................................................................................................................ 613
Signs and Sign Supports .......................................................................................................................... 616
Pavement Markings ................................................................................................................................. 630
Retroreflective Sheeting ........................................................................................................................... 712.02
Ensure temporary traffic control devices are in acceptable or marginal conditions as defined in American Traffic Safety Services Association’s (ATSSA) Quality Guidelines for Temporary Traffic Control Devices and Features.

A. **Temporary Traffic Control Signs.** Provide temporary traffic control signs meeting 616.

B. **Channelizing Devices.** Provide weighted base tubular markers, surface-mounted tubular markers, vertical panels, drums, barricades, or other channelizing devices.

Provide weighted base or surface-mounted tubular markers that are at least 36 inches high and have at least 3 inches width when facing traffic.

Attach surface-mounted tubular markers with an adhesive in accordance with the manufacturer’s written installation instructions. Do not nail or bolt tubular markers to the pavement.

Provide barricades that have the following minimum lengths:

1. Type 1: 2 feet.
2. Type 2: 2 feet.
3. Type 3: 7 feet.

C. **Temporary Pavement Markings.** Provide temporary pavement marking tape, temporary waterborne pavement marking paint, or temporary raised pavement markers.

When used, ensure temporary pavement marking tape is retroreflective, white or yellow, adheres to concrete or asphalt pavements with precoated with pressure-sensitive adhesive, 4 inches wide, and is capable of conforming to the pavement surface. When used for broken-line pavement markings, use 2-foot long line segments.

Provide 2-sided temporary flexible raised pavement markers when used on undivided highways. Install in accordance with the manufacturer’s written installation instructions.

Provide reflectorized rigid raised pavement markers for temporary applications. Provide 2-sided markers when used on undivided highways. Install in accordance with the manufacturer’s written installation instructions. Ensure that markers are removable without the use of heat, grinding, or blasting.

D. **Floodlights.** Provide floodlights capable of illuminating flagger stations, work areas, and equipment crossings with at least 5 foot-candles or greater. Ensure floodlights are equipped with a meter that records hours of operation.

E. **Arrow Boards.** Provide arrow boards with a meter that records hours of operation.

F. **Portable Changeable Message Signs (PCMS).** Provide portable changeable message signs with message sign, control system, power source, and mounting and transporting equipment components. Ensure that PCMS are equipped with a meter that records hours of operation.

G. **Temporary Concrete Barrier.** Provide temporary concrete barrier meeting 612.

H. **Temporary Crash Cushion.** Provide temporary crash cushions meeting 613. Provide test-level 2 or 3 temporary crash cushions when the highway posted speed is less than 45 mph. Provide test-level 3 temporary crash cushions when the highway posted speed is greater than or equal to 45 mph.

I. **Truck Mounted Attenuator.** Provide a truck mounted attenuator attached to a shadow vehicle. Provide test level 2 or 3 truck-mounted attenuators when the highway posted speed is less than 45 mph.
Provide test-level 3 truck mounted attenuators when the highway posted speed is greater than or equal to 45 mph.

**J. Miscellaneous Temporary Traffic Control Items.** Provide miscellaneous temporary traffic control items.

**K. Flagger Equipment.** Ensure flaggers wear high-visibility safety apparel and are provided a STOP/SLOW paddle.

**L. Pilot Car.** Provide a vehicle with a PILOT CAR FOLLOW ME sign mounted on the rear of the pilot vehicle. Show the company name of the pilot car contractor on both sides of the vehicle.

**626.03 Construction Requirements.** Identify a project traffic control supervisor (TCS) certified by ATSSA or Evergreen Safety Council to direct the installation, modification and maintenance of temporary traffic control devices. Provide contact information for the TCS. Provide a schedule and contact information for personnel working under the direction of the TCS that can be contacted will respond 24 hours per day during the duration of the temporary traffic control operations to provide temporary traffic control maintenance.

Under the direction of the TCS, install temporary traffic control devices before changing traffic patterns. Do not use devices for purposes other than those for which they are intended. Cover or remove temporary traffic control devices when not applicable.

Keep temporary traffic control zones as short as practical. Restore normal traffic operations to the extent practical during non-working hours and during planned or unplanned work stoppages. Ensure individual traffic delays do not exceed 15 minutes and traffic delays do not exceed a total of 30 minutes through the length of the project site, unless otherwise approved in writing. Implement remedial action to eliminate the excess traffic delays.

Ensure temporary traffic control devices are in acceptable or marginal condition as defined in the ATSSA Quality Guidelines for Temporary Traffic Control Devices and Features. Repair or replace devices that are unacceptable as defined in the ATSSA guidelines. Ensure temporary traffic control devices remain in place and serviceable during the time their use is required.

Ensure signs remaining in place for more than 3 days are installed on breakaway sign posts, as specified in 616, at the following heights:

- Five (5) feet from the bottom of the sign to the elevation of the near edge of the pavement in rural areas.
- Seven (7) feet from the bottom of the sign to the top of the curb where parking or pedestrian movements are likely to occur.
- Secondary signs mounted below another sign may be 1 foot less than the heights describe above.

Provide additional temporary traffic control signs if traffic queues extend upstream of the first temporary traffic control device. Remove or cover the signs when no longer needed.

Monitor and maintain the temporary traffic control plan and devices during the duration of the temporary traffic control operations. Temporary traffic control maintenance includes repairing, replacing, and cleaning temporary traffic control devices, restoring displaced devices, and removing and resetting devices for different phases. Final removal of temporary traffic control is incidental. Coordinate temporary traffic control maintenance operations before performing the work.
Provide weighted bases when necessary to ensure that channelizing devices remain in place.

Install temporary markings as soon as practical. For temporary pavement markings, omit the test strip when waterborne paint is used. Use temporary flexible raised pavement markers or temporary rigid raised pavement markers to supplement or as a substitution for other pavement markings. Use 2 raised pavement markers placed side by side to mark double-width lines. The Engineer may require additional markers placed at a reduced spacing. Ensure pavement markings are visible in the day and night. Repair damaged markings.

Remove surface-mounted tubular markers, temporary paving market tape, temporary raised pavement markers, and rigid raised pavement markers without damaging pavement surface.

Obtain approval before removing temporary traffic control.

Illuminate flagger stations, work areas, and equipment crossings when nighttime work is being performed. Provide floodlights 30 minutes before sunset and up to 30 minutes after sunrise when workers or operational equipment are present. Ensure floodlighting does not produce a glare condition for approaching road users, flaggers, or workers.

Provide an extra floodlight onsite for backup. When a flagger station is moved, use the backup floodlight to illuminate the new station.

Secure the PCMS control system with a lock and change the default control system password to prevent tampering.

When necessary for construction phasing, remove, store, and reset temporary concrete barrier. Store the removed barrier outside the highway clear zone. Replace damaged sections of temporary concrete barrier. Provide temporary traffic control until the temporary concrete barrier is reset.

Perform flagger control with certified flaggers. Certified flaggers have completed a flagger training course from a Department-approved source and carry a current certificate of training. Certifications issued by other state Departments of Transportation that have a reciprocity agreement with the Department are acceptable. Coordinate flagging operations before performing the work.

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

1. **Temporary traffic control signs** will be by the square foot of sign.

2. **Weighted based tubular markers**, surface-mounted tubular markers, vertical panels, drums, and barricades will be per each.

3. Temporary pavement marking tape and temporary pavement marking waterborne paint will be by the foot and will include removal when applicable.

4. Temporary flexible raised pavement markers and temporary rigid raised pavement markers will be per each.

5. **Floodlights** will be by the hour or day.
6. Arrow boards will be by the hour or day.
7. Portable changeable message signs will be by the hour or day.
8. Temporary concrete barrier and removing and resetting temporary concrete barrier will be by the foot.
9. Temporary crash cushions, removing and resetting temporary crash cushions, and truck-mounted attenuators will be per each.
10. Miscellaneous temporary traffic control items will be measured and paid by force account as specified in 109.03.C.5.
11. Temporary traffic control maintenance will be by the hour.
12. Flagger control will be by the hour and is limited to the actual number of hours flagging stations are staffed.
13. Pilot car operation will be by the hour.

Maintain a daily record of hours for temporary traffic control maintenance, flagger control, and/or pilot car usage. Provide the records weekly for approval of hours recorded. If allowed by the Engineer, no additional payment will be made for temporary traffic control plan changes, flagging and pilot car operations for the Contractor's sole convenience.

626.05 Basis of Payment. The Department will pay for accepted quantities at the contract unit prices as follows:

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Pay Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temporary Traffic Control Signs</td>
<td>SF</td>
</tr>
<tr>
<td>Weighted Base Tubular Markers</td>
<td>Each</td>
</tr>
<tr>
<td>Surface-Mounted Tubular Markers</td>
<td>Each</td>
</tr>
<tr>
<td>Vertical Panels</td>
<td>Each</td>
</tr>
<tr>
<td>Drums</td>
<td>Each</td>
</tr>
<tr>
<td>Barricade, Type ___</td>
<td>Each</td>
</tr>
<tr>
<td>Temporary Pavement Marking Tape</td>
<td>ft</td>
</tr>
<tr>
<td>Temporary Flexible Raised Pavement Markers</td>
<td>Each</td>
</tr>
<tr>
<td>Temporary Rigid Raised Pavement Markers</td>
<td>Each</td>
</tr>
<tr>
<td>Temporary Pavement Marking – Waterborne</td>
<td>ft</td>
</tr>
<tr>
<td>Floodlights</td>
<td>Hour or day</td>
</tr>
<tr>
<td>Arrow Board, Type ___</td>
<td>Hour or day</td>
</tr>
<tr>
<td>Portable Changeable Message Sign (PCMS)</td>
<td>Hour or day</td>
</tr>
<tr>
<td>Temporary Concrete Barrier</td>
<td>ft</td>
</tr>
<tr>
<td>Remove and Reset Temporary Concrete Barrier</td>
<td>ft</td>
</tr>
<tr>
<td>Temporary Crash Cushion</td>
<td>Each</td>
</tr>
</tbody>
</table>
Remove and Reset Temporary Crash Cushion ...................... Each
Truck Mounted Attenuator ........................................... Each
Miscellaneous Temporary Traffic Control Items ................. CA
Temporary Traffic Control Maintenance .......................... Hour
Flagger Control .......................................................... Hour
Pilot Car ........................................................................ Hour

Lights and flags on signs and sign posts are incidental and included in the contract price for temporary traffic control signs.

ON PAGE 463, SUBSECTION 641.02 – BIAXIAL GEOGRID/MATERIALS

Delete the third paragraph and replace with:

Provide the test dates on the certification. As a means of identification, provide tags on the product rolls with the manufacturer’s name, full product name, style or product code number, and lot and/or roll number, which will permit field determination of the product delivered to the project site is covered by the certification.

Delete the footnote in Table 641.02-1 and replace with:

(a) Minimum Average Roll Values (MARV) in the weakest direction. The geogrid type is shown on the plans. When the geogrid type is not shown, use Type II.

ON PAGE 464, SUBSECTION 641.03 – BIAXIAL GEOGRID/CONSTRUCTION REQUIREMENTS

In the last paragraph, delete “by construction activity”.

ON PAGE 465, SUBSECTION 645.01 – FIELD LABORATORIES/DESCRIPTION

Add the following to the first paragraph:

If the Engineer, or consultant working under the Engineer’s direction, is responsible for damage to the field laboratory or its equipment beyond what is expected during normal use, the Engineer will reimburse the Contractor for the damage at a reasonable replacement or maintenance cost. The Contractor must demonstrate to the Engineer that the damage was beyond normal wear and tear before the Engineer will reimburse the Contractor for damage.

ON PAGE 508, SUBSECTION 703.03 – MICROSURFACING AGGREGATE

In the table, change the method for the Sand Equivalent Test to read “AASHTO T176 Modified Alternate Method No. 2 Pre-Wet”.

ON PAGE 509, SUBSECTION 703.03 – MICROSURFACING AGGREGATE

Add to Table Header with Stockpile Tolerances to read:

Stockpile Tolerance from the Mix Design Gradation

And add the following:
The gradation of the aggregate stockpile must not vary by more than the stockpile tolerance from the mix design gradation while also remaining within the specification gradation band. The percentage of aggregate passing any 2 successive sieves must not change from one end of the specified range to the other end.

ON PAGE 523, SUBSECTION 706.19 – POLYPROPYLENE PIPE
Replace ASTM F2881 with ASTM F2764.
Delete the third sentence.

ON PAGE 549, SUBSECTION 711.21 – COMPOST SOCKS
Replace 711.18 with 654.

ON PAGE 550, SUBSECTION 712.02 – RETROREFLECTIVE SHEETING
Change numbers 1 and 2 as follows:

1. Sheet Aluminum and Plywood Sign. Provide Type IV direct applied retroreflective sheeting for signs with white backgrounds. Provide Type XI direct applied retroreflective sheeting for all other background colors. Provide Type XI direct applied retroreflective sheeting for white sign legends.
2. Extruded Aluminum Sign Panels. Provide Type XI direct applied retroreflective sheeting for the background and legend.

ON PAGE 568, SUBSECTION 720.03 – POLYTETRAFLUOROETHYLENE BRIDGE BEARING PADS
Delete all references to “TFE”.
Payment and Billing

The Contractor must submit an invoice to the ITD Contract Administrator. The invoice shall reference the bid items in the bid schedule. The Department may make partial payments on lump sum items, and pay for a portion of the quantity of work, as long as that portion has been completed in its entirety. ITD will render payment for a properly executed invoice net thirty (30) days from the date of invoice, for pay items accepted by ITD.

The invoice must include:

- Contract Number M640034
- Project Name/ Product, if applicable
- Invoice Number
- Identification of billing period
- Total amount billed for the billing period
- Detailed description of services/ products provided and associated number of hours and/or dollar amounts, as appropriate
- Locations of bid items completed
- Name of authorized individual/ contact information for Contractor

Invoices must be submitted to:

Idaho Transportation Department, District 6
Attention: Accounts Payable/ Contract Number M640034
Address: 206 N. Yellowstone Hwy, Rigby ID 83442
Email: D6accountspayable@itd.idaho.gov
SPECIAL PROVISIONS - STATE AID

I. APPLICATION

These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piece work, station work or by subcontract.

II. EMPLOYMENT LISTS, LABOR SELECTION, NON-DISCRIMINATION

A local public employment agency has been designated by the State to prepare the employment lists for the project.

All qualified unskilled labor shall be employed insofar as possible from lists furnished the contractor by the employment agency designated in the contract. The contractor may avail himself of the services of the employment agency for obtaining labor of the intermediate and skilled grade.

In the performance of this contract, within the limitations of Subsection 107.01 requiring employment of up to 95% Idaho residents, preference in employment shall be given to qualified honorably discharged Veterans of the United States Armed Forces.

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the “Contractor”), agrees as follows:

1. Compliance with Regulations:
The Contractor shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the U.S. Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the “Regulations”), which are herein incorporated by reference and made a part of this contract.

2. Nondiscrimination:
The Contractor, with regard to the work performed during the contract, shall not discriminate on the grounds of race, color, religion, sex, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment:
In all solicitations, either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the Contractor, of the Contractor’s obligations of this contract and Regulations relative to nondiscrimination on the grounds of race, color, religion, sex, national origin, age, or disability.

4. Information and Reports:
The Contractor shall provide all information and reports required by Regulations and/or Directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the state of Idaho Transportation Department or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish this information, the Contractor shall so certify to the state of Idaho Transportation Department or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:**
   In the event the Contractor is in noncompliance with the nondiscrimination provision of this contract, the state of Idaho Transportation Department shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

   a. Withhold progress payments until it is determined that the contractor is found in compliance;
   b. Suspend the contract, in whole or in part, until the contractor or subcontractor is found to be in compliance with no progress payment being made during this time and no time extension made;
   c. Cancel or terminate the contract for cause;
   d. Assess against the contractor’s final payment on this contract or any progress payments on current or future Idaho projects an administrative remedy by reducing the final payment or future progress payment in an amount equal to 10% of this contract or $7,700, whichever is less.

6. **Incorporation of the Provisions:**
   The Contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The Contractor shall take such action with respect to subcontractor or procurement as the state of Idaho Transportation Department or Federal Highway Administration may direct as a means of enforcing the provisions, including sanctions for noncompliance, provided, however, that in the event a Contractor becomes involved in, or is threatened with litigation with a subcontractor or supplier as a result of such direction, the Contractor may request the state of Idaho Transportation Department to enter into such litigation to protect the interests of the State, and in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

III. **LABOR PROVISIONS**

   The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount without discount or collection charges of any kind. Where checks are used for payment, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

   No employee shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

   Every employee on the work covered by this contract shall be permitted to lodge, board and trade where and with whom he elects and neither the contractor nor his agents nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

   No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

   No individual shall be employed as a laborer on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams trucks or other equipment from individuals. No such rental agreement or any charges for feed, gasoline, supplies or repairs on account of such agreement, shall cause any deduction from the wages accruing to any employee except as authorized by the regulations hereinbefore cited.