

# NAMPA HIGHWAY DISTRICT NO. 1

## NORTHSIDE & CHERRY ROUNDBOUT PROJECT

### ADDENDUM #1

December 4, 2024

The project documents are hereby changed as follows:

1. **Document 00410 (Bid Form)**: Replace **page 2 with the attached**. It has been changed to note this Addendum.
2. **Document 00411 (Bid Schedule)**: Replace **the entire Bid Schedule with the attached Bid Schedule**. The new schedule reflects the addition of item SP 02022 Temporary Gavel Road.
3. **Special Provisions**: Replace **the entire Special Provisions with the attached**.
  - a. A note was added to paragraph 8 on page 4 to indicate the use of a temporary gravel road during the 5-week window when Northside is required to be open and allow traffic through.
  - b. Item SP 02022 Temporary Gravel Road was added.
4. There are no other changes.

**ARTICLE 4—PRICE-PLUS-TIME BID (NOT USED)**

**ARTICLE 5—TIME OF COMPLETION**

- 5.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 5.02 Bidder agrees that the Work will be substantially complete on or before **August 1, 2025**, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before **August 22, 2025**.
- 5.03 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 6—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

- 6.01 *Bid Acceptance Period*
  - A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 6.02 *Instructions to Bidders*
  - A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.
- 6.03 *Receipt of Addenda*
  - A. Bidder hereby acknowledges receipt of the following Addenda:

| <b>Addendum Number</b> | <b>Addendum Date</b>    |
|------------------------|-------------------------|
| <b>1</b>               | <b>December 4, 2024</b> |
|                        |                         |
|                        |                         |

**ARTICLE 7—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS**

- 7.01 *Bidder’s Representations*
  - A. In submitting this Bid, Bidder represents the following:
    - 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
    - 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
    - 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
    - 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing

**BID SCHEDULE  
NORTHSIDE AND CHERRY INTERSECTION**

| ITEM NO.       | ITEM DESCRIPTION   | ESTIMATED QUANTITY | UNIT | UNIT BID PRICE | BID ITEM TOTAL |
|----------------|--|--------------------|------|----------------|----------------|
| 201.4.1.C.1    | REMOVAL OF OBSTRUCTIONS  | 1                  | LS   |                |                |
| 202.4.1.A.1    | EXCAVATION (PLAN QUANTITY)   | 25,900             | CY   |                |                |
| 202.4.5.A.1    | UNSUITABLE MATERIAL EXCAVATION                                     | 1,340              | CY   |                |                |
| 207.4.1.B.3    | INFILTRATION FACILITIES (BIORETENTION BASIN)                       | 7,720              | SF   |                |                |
| 307.4.1.J.1    | GRAVEL ACCESS ROAD - TYPE 1  | 230                | LF   |                |                |
| 307.4.1.K.5    | SOFT SPOT REPAIR CRUSHED AGGREGATE BASE MATERIAL (0 TO 10 CY)      | 10                 | CY   |                |                |
| 307.4.1.K.7    | SOFT SPOT REPAIR CRUSHED AGGREGATE BASE MATERIAL (11 CY AND ABOVE) | 1,330              | CY   |                |                |
| 401.4.1.A.1.A  | 6" PVC, AWWA C900, DR18 WATER MAIN                                 | 20                 | LF   |                |                |
| 401.4.1.A.1.B  | 12" PVC, AWWA C900, DR18 WATER MAIN                                | 740                | LF   |                |                |
| 401.4.1.A.1.C  | ADJUST DEPTH OF 12" WATER MAIN                                     | 1,240              | LF   |                |                |
| 402.4.1.A.1.A  | 6" GATE VALVE, FLxMJ   | 1                  | EA   |                |                |
| 402.4.1.A.1.B  | 12" GATE VALVE, FLxMJ  | 1                  | EA   |                |                |
| 403.4.1.A.1.A  | HYDRANT - REMOVE AND RESET FIRE HYDRANT                            | 2                  | EA   |                |                |
| 403.4.1.A.1.B  | HYDRANT  | 1                  | EA   |                |                |
| 404.4.1.A.1    | WATER SERVICE CONNECTION, SIZE 1-1/2"                              | 9                  | EA   |                |                |
| 505.4.1.C.1.A  | ADJUST DEPTH OF 12" PRESSURE SEWER PIPE                            | 450                | LF   |                |                |
| 505.4.1.C.1.B  | ADJUST DEPTH OF 18" PRESSURE SEWER PIPE                            | 450                | LF   |                |                |
| 601.4.1.A.5.12 | 12" STORM DRAIN OR GRAVITY IRRIGATION PIPE, CLASS C900 PVC         | 1,560              | LF   |                |                |
| 601.4.1.A.5.18 | 18" STORM DRAIN OR GRAVITY IRRIGATION PIPE, CLASS C900 PVC         | 410                | LF   |                |                |
| 602.4.1.E.1.48 | STORM DRAIN OR GRAVITY IRRIGATION CATCH MANHOLE-SIZE 48"           | 7                  | EA   |                |                |
| 602.4.1.F.1    | CATCH BASIN, TYPE I  | 8                  | EA   |                |                |
| 602.4.1.H.1    | PRECAST SEDIMENT BOX - SIZE 1000 GAL                               | 2                  | EA   |                |                |

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|---------------|---|--------------------|------|----------------|----------------|
| 602.4.1.M.1   | CONCRETE IRRIGATION BOX - SIZE 4'X4'  | 4                  | EA   |                |                |
| 602.4.1.O.1   | IRRIGATION DITCH, SIZE 3' WIDE X 1' DEEP  | 361                | LF   |                |                |
| 602.4.1.Q.1   | GROUNDWATER OBSERVATION WELL  | 1                  | EA   |                |                |
| 705.4.1.A.1.A | PORTLAND CEMENT CONCRETE PAVEMENT - CLASS 4000A, 9-INCH THICKNESS (COLORED TRUCK APRON) | 380                | SY   |                |                |
| 705.4.1.A.1.B | PORTLAND CEMENT CONCRETE PAVEMENT - CLASS 4000A, 10-INCH THICKNESS                      | 4,550              | SY   |                |                |
| 706.4.1.A.5   | STANDARD 6-INCH VERTICAL CURB & GUTTER  | 1,870              | LF   |                |                |
| 706.4.1.A.9.A | MOUNTABLE ROUNDABOUT CURB (NO GUTTER), SIZE 3-INCH (TRUCK APRON)                        | 300                | LF   |                |                |
| 706.4.1.A.9.B | MOUNTABLE ROUNDABOUT CURB (NO GUTTER), SIZE 4-INCH (SPLITTER ISLAND)                    | 1,600              | LF   |                |                |
| 706.4.1.A.9.C | MOUNTABLE ROUNDABOUT CURB (NO GUTTER), SIZE 6-INCH (CENTER ISLAND)                      | 210                | LF   |                |                |
| 706.4.1.A.11  | MOUNTABLE ROUNDABOUT CURB AND GUTTER, SIZE 6-INCH                                       | 1,910              | LF   |                |                |
| 706.4.1.B.1   | CONCRETE VALLEY GUTTERS   | 80                 | LF   |                |                |
| 706.4.1.E.1   | CONCRETE SIDEWALK, THICKENSS 5-INCH   | 3,360              | SY   |                |                |
| 706.4.1.F.1   | CONCRETE DRIVEWAY APPROACH, SD-710  | 790                | SY   |                |                |
| 706.4.1.H.1.A | PEDESTRIAN RAMP W/ DETECTABLE WARNING DOMES, TYPE SD-712G MOD (10' WIDE)                | 8                  | EA   |                |                |
| 706.4.1.H.1.B | PEDESTRIAN RAMP W/ DETECTABLE WARNING DOMES, TYPE SPLITTER ISLAND                       | 4                  | EA   |                |                |
| 706.4.1.H.1.C | PEDESTRIAN RAMP W/ DETECTABLE WARNING DOMES, TYPE SD-712C, C4 (10' WIDE)                | 2                  | EA   |                |                |
| 801.4.1.B.1   | 6" MINUS UNCRUSHED AGGREGATE BASE   | 23,040             | TON  |                |                |
| 802.4.1.B.1   | CRUSHED AGGREGATE FOR BASE TYPE I (PLAN QUANTITY)                                       | 13,090             | TON  |                |                |
| 810.4.1.A.1   | PLANT MIX PAVEMENT - SUPERPAVE SP-3   | 5,280              | TON  |                |                |
| 901.4.1.A.1.A | 12" DIAMETER PRESSURE IRRIGATION MAIN, TYPE C900 PVC                                    | 1,460              | LF   |                |                |
| 901.4.1.A.1.B | ADJUST DEPTH OF 12" PRESSURE IRRIGATION MAIN  | 540                | LF   |                |                |
| 902.4.1.A.1   | 12" DIAMETER PRESSURE IRRIGATION VALVE, TYPE FLxMJ                                      | 2                  | EA   |                |                |

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|--------------|---|--------------------|------|----------------|----------------|
| 903.4.1.A.1  | 1" DIAMETER PRESSURE IRRIGATION PIPE SERVICE, TYPE PE | 17                 | EA   |                |                |
| 1001.4.2.A.1 | STAGING AREA  | 1                  | EA   |                |                |
| 1001.4.2.B.1 | STABILIZED CONSTRUCTION ENTRANCE                      | 4                  | EA   |                |                |
| 1003.4.1.B.1 | BIOFILTER BAGS  | 6,680              | LF   |                |                |
| 1006.4.1.C.1 | INLET PROTECTION                                      | 8                  | EA   |                |                |
| 1101.4.1.A.1 | RRFB SIGNAL SYSTEM                                    | 1                  | LS   |                |                |
| 1102.4.1.I.1 | ILLUMINATION SYSTEM                                   | 1                  | LS   |                |                |
| 1103.4.1.B.1 | TRAFFIC CONTROL SIGNS                                 | 1,900              | SF   |                |                |
| 1103.4.1.C.1 | TRAFFIC CONTROL BARRICADES, TYPE III                  | 12                 | EA   |                |                |
| 1103.4.1.D.1 | TRAFFIC CONTROL DRUMS                                 | 150                | EA   |                |                |
| 1103.4.1.H.1 | PORTABLE TUBULAR MARKERS                              | 75                 | EA   |                |                |
| 1103.4.1.I.1 | TRAFFIC CONTROL FLAGGERS                              | 160                | MH   |                |                |
| 1103.4.1.J.1 | TRAFFIC CONTROL MAINTENANCE                           | 320                | MH   |                |                |
| 1104.4.1.A.1 | PAVEMENT MARKINGS (PAINT)                             | 6,280              | SF   |                |                |
| 1104.4.1.C.1 | PAVEMENT MARKINGS (CONTRAST TAPE)                     | 2,590              | SF   |                |                |
| 1105.4.1.E.1 | ROADSIDE TRAFFIC SIGN INSTALLATION (ONE METAL POST)   | 28                 | EA   |                |                |
| 1105.4.1.F.1 | ROADSIDE TRAFFIC SIGN INSTALLATION (TWO METAL POSTS)  | 12                 | EA   |                |                |
| 1105.4.1.G.1 | CHANNELIZER (18" YELLOW)                              | 12                 | EA   |                |                |
| 1105.4.1.H.1 | RELOCATE ROADSIDE SIGN                                | 7                  | EA   |                |                |
| 2010.4.1.A.1 | MOBILIZATION  | 1                  | LS   |                |                |
| 2020.4.1.F.1 | REFERENCE AND RESET MONUMENT                          | 4                  | EA   |                |                |
| 2030.4.1.A.1 | MANHOLE ADJUST TO GRADE                               | 2                  | EA   |                |                |

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|----------------|--|--------------------|------|----------------|----------------|
| 2030.4.1.C.1   | VALVE BOX, ADJUST TO GRADE                         | 13                 | EA   |                |                |
| 2040.4.1.A.1.A | FENCE, TYPE 6' CHAIN LINK                          | 80                 | LF   |                |                |
| 2040.4.1.A.1.B | FENCE, TYPE 5' WROUGHT IRON                        | 230                | LF   |                |                |
| 2040.4.1.B.1   | GATES, TYPE 14' SLIDE, WROUGHT IRON                | 2                  | EA   |                |                |
| 2050.4.1.C.1   | SUBGRADE SEPARATION GEOTEXTILE, TYPE III           | 20,320             | SY   |                |                |
| SP 02020       | GRAVEL REPAIR                                      | 950                | SY   |                |                |
| SP 02021       | GRAVEL CUT/FILL SLOPE                              | 3,420              | SY   |                |                |
| SP 02022       | TEMPORARY GRAVEL ROAD                              | 4,800              | SY   |                |                |
| SP 04041       | WATER SERVICE CONNECTION TO HOUSE                  | 2                  | EA   |                |                |
| SP 05051       | SEWAGE BYPASS SYSTEM                               | 1                  | LS   |                |                |
| SP 06007       | ABANDON EXISTING WELL                              | 2                  | EA   |                |                |
| SP 06013       | STORM WATER MANAGEMENT PLAN PREPARATION & APPROVAL | 1                  | LS   |                |                |
| SP 06014A      | INLET STRUCTURE, SIZE 12"                          | 1                  | EA   |                |                |
| SP 06014B      | INLET STRUCTURE, SIZE 18"                          | 1                  | EA   |                |                |
| SP 07009       | MEDIAN ISLAND CURB                                 | 250                | LF   |                |                |
| SP 07013       | COLORED AND PATTERNED CONCRETE                     | 2,300              | SY   |                |                |
| SP 08120       | ASPHALT REPAIR                                     | 1,060              | SY   |                |                |
| SP 09022A      | CONCRETE HEADWALL                                  | 1                  | EA   |                |                |
| SP 09022B      | CONCRETE HEADWALL                                  | 7                  | EA   |                |                |
| SP 20003       | TEMPORARY CONSTRUCTION FENCING                     | 1,000              | LF   |                |                |
| SP 20110       | CONCRETE BLOCK WALL WITH BRICK VENEER              | 130                | LF   |                |                |
| SP 20200       | SURVEY   | 1                  | LS   |                |                |

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|--------------------|--|--------------------|------|----------------|----------------|
| SP 20201A          | DIRECTED SURVEYING FIELD CREW          | 40                 | HR   |                |                |
| SP 20201B          | DIRECTED SURVEYING OFFICE COMPUTATIONS | 40                 | HR   |                |                |
| SP 25050           | 4" TOPSOIL                             | 1,120              | SY   |                |                |
| SP 25080           | REMOVE AND RESET MAILBOX               | 16                 | EA   |                |                |
| SP 29055           | HYDROSEED                              | 1,170              | SY   |                |                |
| SP 29060           | LANDSCAPE ROCK (WITH WEED BARRIER)     | 1,970              | SY   |                |                |
| SP 29065           | SOD REPAIR                             | 1,120              | SY   |                |                |
| SP 29067           | REPAIR LANDSCAPING                     | 500                | SY   |                |                |
| SP 29070           | REMOVE AND RESET LANDSCAPE TIMBER      | 130                | LF   |                |                |
| SP 29090           | TRIM TREE                              | 2                  | EA   |                |                |
| SP 29093           | REMOVE TREE 6"+                        | 7                  | EA   |                |                |
| SP 29101           | REPAIR SPRINKLER SYSTEM                | 2,200              | LF   |                |                |
| <b>TOTAL PRICE</b> |  |                    |      |                |                |

**Any Proposal shall be deemed unresponsive which contains omissions, erasures or alterations not initialed, additions of any kind, prices uncalled for, prices which are obviously unbalanced, or which in any manner shall fail to conform to the conditions of the published "Invitation to Bid".**

BIDDER: \_\_\_\_\_

December 3, 2024

# **SPECIAL PROVISIONS**

## **Northside Boulevard and Cherry Lane Intersection**



Six Mile Engineering, PA  
December 4, 2024  
**Addendum No. 1**



# SPECIAL PROVISIONS

## GENERAL NOTES

### 1. **Basis of Payment**

Except as modified herein, the various work called for on the Bid Schedule shall be performed, measured and paid for as indicated on said Bid Schedule and as provided in the following:

- Idaho Standards for Public Works Construction (ISPWC), 2020 Version
- Highway Standards and Development Procedures for the Association of Canyon County Highway Districts (ACCHD), 2022 Version
- City of Nampa 2023 Standard Construction Specifications
- These Special Provisions

The Contractor is required to be a holder of the 2020 ISPWC, the 2017 Highway Standards and Development Procedures for ACCHD, which modifies selected requirements of the ISPWC, and the City of Nampa 2023 Standard Construction Specifications.

No separate payment will be made for items not specifically called out in the Bid Schedule. Any such work shall be considered incidental to other items of work and no separate payment will be made.

### 2. **Basis of Quantities**

Unless otherwise specified herein, all quantities are based upon in-place, completed and accepted units.

### 3. **Project Maintenance and Local Access During Construction**

Contractor is responsible for project maintenance throughout the life of the contract. This responsibility includes, but is not limited to, blading, sweeping, proper and adequate drainage, access for emergency equipment, appropriate access for property owners, and dust control. All project maintenance activities shall also conform to requirements specified in any project permits. Best Management Practices (BMPs) at the project site shall be the sole responsibility of the Contractor.

Contractor is responsible for maintaining both on-site and off-site roadway facilities that are adversely affected by construction activities, including hauling. This maintenance may include, but is not limited to, street sweeping to eliminate tracking (within the project limits, adjacent streets, private driveways, and parking lots), and roadway repairs due to truck and equipment traffic. Required roadway facility maintenance shall be at the discretion of Nampa Highway District No. 1 (NHD).

Provide a water truck and driver for dust abatement use at NHD's discretion. Failure to adequately provide dust control shall be adequate cause for stopping work. The costs to provide dust control by other than the Contractor shall be deducted from the progress estimates.

Backfill trenches as soon as possible the same day the trench is excavated. Pipe and conduit crossings, manholes, and miscellaneous construction in existing roadways remaining open to traffic shall be constructed with temporary asphalt patches.

Maintain access to adjacent properties at all times. This shall include providing an adequate surface (free of protruding rocks, holes and mud) for all emergency vehicles, vehicles traveling to nearby residences and businesses, and pedestrians. The cost to maintain access shall be considered incidental to other items of work and no separate payment will be made.

The cost of all project maintenance, including temporary asphalt patches if needed, shall be considered incidental to item 2010.4.1.A.1, Mobilization.

**4. Retain and Protect Existing Items**

Retain and protect facilities and items on or adjacent to the public right-of-way and temporary construction easements unless specifically noted otherwise on the plans. Any damage to such facilities or items shall be promptly repaired to same or better condition. The work for protection and repair shall be incidental to other items of work and no separate payment shall be made.

**5. Protection of Trees and Bushes**

Protect the existing trees and shrubs not called out for removal within the project area and use practicable care in the protection of branches and roots within the construction limits. Excavation for the proposed improvements shall be carried out in a way that avoids root damage as much as practicable. This may require handwork, which shall be considered incidental to other items of work and no separate payment will be made.

Trimming of branches and roots, if required, shall be conducted by a certified arborist. The work for protection and trimming of trees and shrubs shall be incidental to other items of work and no separate payment shall be made.

**6. Property Owner Coordination**

Prepare a public informational flier describing the project, the anticipated duration and any anticipated changes to current traffic patterns due to the project. Contractor's flier shall list the project schedule and typical work hours. After approval by NHD, this flier shall be delivered by the Contractor to residences and businesses within a 1,000-foot radius of the project limits.

Coordinate items of work affecting adjacent properties with the property owners or their agents.

Property Owner Coordination shall be considered incidental to other items of work and no separate payment will be made.

**7. On-Site Supervision**

Provide competent on-site supervision during all construction activities, including SUBCONTRACTOR activities. The Contractor's superintendent and the Subcontractors' superintendents shall be identified at the preconstruction conference and shall at a

minimum be on-site from the notice to proceed date to the completion date. If for any reason the Contractor needs to replace the superintendent, a written notice must be submitted to NHD within (5) five working days before the event occurs.

## 8. Prosecution of Work

Contractor's construction activities are limited as follows:

- Begin construction of the Frazier Lateral irrigation crossing of Northside Boulevard with adequate time to complete the work by March 1<sup>st</sup>.
- Maintain traffic on one paved travel lane in each direction on Northside Boulevard and on Cherry Lane until receiving approval to close the intersection or following the approved intersection closure duration. Request approval of short-term lane closures with flagging a minimum of five (5) working days prior to lane closure.
- Close the intersection to through traffic by May 1st. An earlier closure date may be allowed by NHD if the traffic closure for the construction of the Franklin Road and Karcher Road intersection is no longer in effect.
  - It is anticipated that the Franklin Road and Karcher Road intersection will be closed for approximately five (5) weeks between the months of March and April. Contractor must keep one lane of travel in each direction on Northside Boulevard open to traveling public for the duration of the five-week closure. Cherry Lane may be closed during this time.
  - **A gravel surface 24 feet in width is required for the two temporary travel lanes on Northside Boulevard. All material, grading, maintenance and dust abatement is paid by item SP 02022 Temporary Gravel Road.**
- The intersection may be closed to through traffic for **a duration not to exceed 120 consecutive calendar days**. Request approval to close the intersection a minimum of 14 calendar days prior to the anticipated closure date.

No variance to the construction limitations in the Prosecution of Work will be allowed without prior written approval.

## 9. Construction Staging and Temporary Traffic Control

Develop and submit detailed construction staging, detour, and temporary traffic control plans to NHD for review and approval prior to implementation. Provide ten (10) working days in the schedule for NHD to review each submittal. The traffic control plans must address advanced construction signing, pedestrian and bicycle detours, and detailed temporary traffic control for each phase of work.

Contractor's construction staging and temporary traffic control plans must meet requirements in the Prosecution of Work section above, maintain the number of travel lanes and minimum lane widths, and meet the Manual on Uniform Traffic Control Devices (MUTCD) requirements as adopted by the State. The cost to develop construction staging and temporary traffic control plans shall be considered incidental to item 2010.4.1.A.1, Mobilization.

## 10. Substantial and Final Completion

**Substantial Completion.** Substantial completion shall occur no later **August 1, 2025**. Substantial completion is defined as having the roadway paving and approaches

completed, and the intersection open to one travel lane in each direction on Northside Boulevard and Cherry Lane. The Contractor shall notify NHD in writing five (5) days before his proposed substantial completion date, so NHD can complete the punch list and prepare the substantial completion notice. If the Contractor has not achieved substantial completion by the required date, the liquidated damages clause of the contract related to substantial completion will be enforced.

**Final Completion.** After issuance of the substantial completion notice, the Contractor will have fifteen (15) working days to complete all of punch list items. If the Contractor has not finished all contract requirements and/or punch list items after the fifteen (15) working days, the liquidated damages clause of the contract related to ready-for-final-payment will be enforced.

**11. Coordination with Utilities**

It is the Contractor's responsibility to contact and coordinate with the various utility companies as necessary for the successful completion of the project. This coordination effort shall include, but not be limited to, working other than normal operation hours to permit the relocation of utilities and construction of the roadway within the time frame of this contract. The cost to contact and coordinate with utilities is incidental to other items of work and no separate payment will be made. Include the following timeframes in the CPM schedule for utilities relocations.

**City of Nampa**  
Daniel Badger, City Engineer  
500 12<sup>th</sup> Ave S  
Nampa, ID 83651  
[badgerd@cityofnampa.us](mailto:badgerd@cityofnampa.us)

Construct new water and pressure irrigation main lines and services per plans. Adjust manholes and valve boxes to grade per plans. Lower existing water, pressure irrigation and pressure sanitary sewer to maintain minimum cover. Retain and protect all other City of Nampa facilities.

**Idaho Power**  
Brack Judy  
1221 W. Idaho Street  
Boise, ID 83702  
[bjudy2@idahopower.com](mailto:bjudy2@idahopower.com)

Idaho Power intends to complete adjustments and relocations of their facilities prior to project construction. Coordinate with Idaho Power to confirm completion of their relocations. Idaho Power will top the poles that no longer have Idaho Power facilities. Topped poles would be removed by the joint user utilities with facilities remaining on the topped poles. Retain and protect Idaho Power facilities.

**Intermountain Gas**  
Domingo Enrico  
2921 Caldwell Blvd.  
Caldwell, ID 83651

[domingo.enrico@intgas.com](mailto:domingo.enrico@intgas.com)

Intermountain Gas will adjust/reconstruct their facilities during construction of this project. They estimate five weeks to complete their work. Coordinate with Intermountain Gas to verify schedule and duration of relocations. Retain and project Intermountain Gas facilities.

**Lumen**

Tammy Sebright  
3110 Commercial Way  
Caldwell, ID 83605  
[Tammy.sebright@lumen.com](mailto:Tammy.sebright@lumen.com)

Lumen intends to complete adjustments and relocations of their facilities prior to construction of this project. Coordinate with Lumen to confirm completion of their relocations. Retain and project Lumen facilities.

**Pioneer Irrigation District**

Kirk Meyers  
3804 S Lake Avenue  
Caldwell, ID 83605  
[kirk@pioneerirrigation.com](mailto:kirk@pioneerirrigation.com)

Construct new crossing of Frazier Lateral per plans. Retain and protect all other Pioneer Irrigation District facilities.

**Syringa**

Austin Garrett  
12301 W Explorer Dr  
Boise, ID 83703  
[agarrett@syringanetworks.net](mailto:agarrett@syringanetworks.net)

Syringa will adjust/reconstruct their facilities during construction of this project. For scheduling purposes, assume 2 weeks for Syringa to relocate their facilities. Coordinate with Syringa to verify schedule and duration of relocations. Retain and project Syringa facilities.

**Zayo**

Fatih Adam  
Fatih.adam@cobbfendley.com  
[zayo.relo.idaho@zayo.com](mailto:zayo.relo.idaho@zayo.com)

Zayo will adjust/reconstruct their facilities during construction of this project. For scheduling purposes, assume 2 weeks for Zayo to relocate their facilities. Coordinate with Zayo to verify schedule and duration of relocations. Retain and project Zayo facilities.

Utility coordination was requested during the design of this project. Utility information is shown only for surface features, and if provided by the owner of the utility for non-surface features. The information shown is for reference purposes only and does not necessarily

represent actual field conditions. The Engineer assumes no liability for the accuracy of the information shown, or conflicts due to inaccurate or incomplete utility information. The Contractor shall call Dig Line a minimum of 48 hours prior to any excavation to request utility locations at 800-342-1585.

Utility adjustments, relocations, or replacements may or may not be completed prior to construction. The Contractor shall coordinate and accommodate work with the utility companies.

The Contractor shall expose all existing utility crossings to verify locations and elevations prior to any other construction that may affect those utilities. The cost associated with exposing the existing utilities is considered incidental to the project and no separate payment will be made.

The Contractor shall notify the underground utility owners 48 hours before final paving to allow for adjustments to valves or manholes.

## **12. CPM Schedule and Gantt Chart Requirements**

The Contractor shall furnish NHD with Gantt Charts and a CPM Schedule of their work.

Acceptance of any schedule shall not relieve the Contractor of his responsibilities to adjust labor and equipment forces or work schedules and provide sufficient manpower and materials to complete the work within the specified contract time. All schedules shall satisfy contract milestones and the substantial completion date.

The Contractor shall not stop the work process for any length of time without written consent of NHD. Should the prosecution of the work be discontinued or changed for any reason, the Contractor shall notify NHD at least two working days in advance of changing or resuming operations.

All costs incurred by the Contractor in preparing and updating the schedules, including the progress meetings, shall be incidental to other items. NHD may withhold progress payments if the Contractor fails to provide the schedule and updates as required.

Two copies of the initial schedule shall be submitted to NHD before the preconstruction conference and may be submitted after the Notice of Award.

Following the review of, and within seven calendar days of the schedule submission, NHD and the Contractor shall meet for joint review, correction and adjustment of the initial schedule. After the meeting, but within seven calendar days, the initial schedule shall be resubmitted to NHD. If necessary, this process shall be repeated. However, the schedule must be finalized within 30 calendar days after the "Notice to Proceed".

It is the Contractor's responsibility to provide NHD with the status of activities at any progress meeting and prepare schedule updates based on this information once it has been verified and agreed upon. Progress meetings shall be scheduled at the discretion of the Contractor and coordinated with NHD.

The Contractor shall submit one copy of the updated schedule weekly and at the time of project completion, the Contractor shall submit the final as-constructed schedule.

At a minimum, each conventional Critical Path Method (CPM) schedule submittal to NHD shall include one electronic copy of the CPM schedule compatible with Microsoft Project and Adobe PDF on CD and two hard copies of the CPM schedule.

The CPM shall conform to the following specifications:

- Schedule Report sorted by Activity or Noted Number.
- Activity information shall include activity numbers, activity descriptions, durations, float, percent complete, scheduled start and finish dates, and actual start and finish dates.
- The activity descriptions and durations shall be such that the work is readily identifiable and the progress on each activity can be readily measured.
- Activities shall include, but are not limited to, permitting, utility accommodation, pipe removal and repair, asphalt roadway surface restoration, lane markings, cleanup and traffic control removal. All schedule constraints, Contract Milestones, Intermediate Milestone Dates, the Contract Completion Date, and the Substantial Completion Date, when applicable, shall be shown.

Critical Path shall be clearly defined:

- The schedule shall clearly show the sequence and interdependence of all activities required for complete performance of all items of work under the contract and shall indicate the critical path.
- The Contractor's submittal to NHD for change order work and claims shall include an analysis of the schedule showing any schedule change, disruption, and any disruptions of contract time.
- Updated charts shall show the progress of each activity, the percent complete, remaining duration and all schedule revisions, and clearly define impact to Critical Path, if applicable.

The Contractor's CPM schedule shall include accommodation of utility adjustments, relocations, or replacements. As a result, the Contractor's schedule must be flexible, and the bidding should include the potential for schedule adjustments resulting from utility performance.

The cost of this work shall be considered incidental to item 2010.4.1.A.1, Mobilization.

### **13. Quality Control Testing**

The Contractor shall provide quality control testing throughout the project. The minimum testing requirements shall be in accordance with ISPWC Manual and ACCHD Manual standards.

It is expected that the Contractor will control his processes adequately, at the minimum frequencies specified, so that the Quality Control Testing can be used for Acceptance. However, NHD may conduct random Quality Assurance Testing throughout the project and verify that the in-place material meets the project specifications.

Quality control testing will be incidental to other items of work and no separate payment shall be made.

**14. Quality Assurance Testing**

NHD reserves the right to complete quality assurance testing for verification of Contractor quality control testing program and may use quality assurance for acceptance of work items.

Quality Assurance re-testing necessitated by the failure of Quality Control testing of material placed by the Contractor shall be at the Contractor's expense. These costs will be deducted from progress payments.

**15. Permits**

The Contractor is responsible for all required permits.

**16. Lighting**

Submit list of lighting and RRFB materials to the NHD for approval prior to purchase. The materials shall meet the City of Nampa's 2023 Standard Construction Specifications. Allow 15 working days for material review.

Contact Idaho Power at 208-388-2323 to request a new power service for the service pedestal. Idaho Power's service installation cost shall be billed directly to the City.

**17. Stormwater and Irrigation Flows**

The Contractor is responsible for transmitting existing stormwater and irrigation flows, including return water, during construction. This may require the Contractor to install temporary collection, pumping and bypass systems. All costs associated with transmitting existing flows, including installing and maintaining pumping and bypass systems for irrigation flows and flows from the temporary water quality best management practices shall be considered incidental to item 2010.4.1.A.1, Mobilization.

**18. Trenches**

Trench excavation, bedding, backfill, and compacting requirements shall be in accordance with Division 300 "Trenching" of the ISPWC Specifications except as noted herein. Pipe bedding material shall extend to a minimum of 6 inches above the top of the pipe. All trench backfill material more than 6 inches above the top of the pipe and below the topsoil or pavement base section shall be imported 6" minus uncrushed aggregate, or other material approved by NHD, conforming to Division 800 "Aggregates and Asphalts" of the ISPWC Specifications. All costs associated with furnishing and placing 6" minus uncrushed aggregate for trench backfill shall be considered incidental to other items of work and no separate payment will be made.



All excavation and trenching shall meet OSHA requirements and applicable sections of Division 300 "Trenching" of the ISPWC Specifications. Water levels shall be maintained below the bottom of trenches during all types of pipe laying and joining operations. The cost to complete this work, including work required to dispose of the dewatering water, shall be considered incidental to other items of work and no separate payment will be made.

The Contractor may be required to place temporary steel trench plates to accommodate traffic. All costs associated with providing and setting trench plates shall be considered incidental to other items of work and no separate payment will be made.

**19. Asphalt and Concrete Cutting**

All cutting of existing asphalt pavement shall be by saw. All cutting of existing concrete, including curbs and sidewalks, shall be by saw. The costs associated with cutting existing asphalt pavement and concrete shall be considered incidental to item 202.4.1.A.1.

The Contractor shall make all required cuts within the roadway prior to placing top course.

**20. Sources**

The Contractor shall use approved commercial sources for uncrushed aggregate base, crushed aggregate for base type I, plant mix pavement aggregates, Portland cement concrete aggregates, trench bedding and backfill.

**21. Excess Material Site**

The Contractor shall be responsible for providing a site for the disposal of excess or unsuitable materials. If bituminous material is to be disposed of, the site shall meet the requirements of the Idaho Department of Environmental Quality. All excess material sites shall be approved by NHD. No separate payment will be made for the acquisition or operation of the sites, or for loading, hauling or unloading the materials at the site.

**22. Warning and Regulatory Signs**

Existing warning and regulatory signing shall be retained and protected throughout the project limits unless otherwise noted. This may require multiple relocations, which will be incidental to other bid items. Existing warning and regulatory signs that are designated for removal and replacement and do not conflict with construction traffic control signs shall be maintained during construction and, if necessary, relocated to locations where the signs are visible to traffic and serve their original purpose, which will be incidental to other bid items.

**23. Truck/Trailer Load Coverage**

All loads of gravel, sand, dirt, landscape bark, and other loose material hauled on the public roadway within NHD or City of Nampa boundaries by the Contractor or any of its subcontractors, shall be covered and properly secured so as to prevent the load from

dropping, sifting, leaking, or otherwise escaping from the vehicle or becoming loose, detached, or in any manner a hazard to other uses of the public roadway.

Each violation of this requirement shall be subject to liquidated damages in an amount no less than \$500.00 and no more than \$1,000.00 as determined by NHD, and such liquidated damages shall be cumulative and in addition to any other liquidated damages that might be imposed upon the Contractor.

**24. Information Given Prior to Award**

Oral explanations, instructions and interpretations given to bidders prior to award of contract will not be binding. It is the NHD's intent to provide all bidders equal opportunity to access and acquire all available pertinent information necessary to formulate a responsive bid. Any information, specifications, plans, data, or interpretations that NHD discovers is lacking and may be important to all bidders will be furnished in the form of an addenda, the receipt of which shall be acknowledged by the bidder.

**25. Site Cleanup**

Upon completion of all work, the Contractor shall clean the entire construction site. Final clean up shall consist of removal of all construction debris, trash, remaining construction stakes, construction signs, etc. from the site. The Contractor shall sweep all sidewalks and streets as necessary to remove any soil, rocks, gravel or other materials. The Contractor shall clean all catch basins and manholes removing any sand, dirt, gravel or debris. Final cleanup shall be considered incidental to the project and no separate payment will be made.

**26. Damage Beyond Construction Limits**

Promptly repair damage to property outside the construction limits of this project. The cost of these repairs shall be considered incidental to other items of work and no separate payment will be made. Obtain a release from the property owner specifying that they are satisfied with the repair work. A copy of the letter shall be submitted to NHD. Final release of contract retainage will not be authorized until this provision has been met.

**27. Geotechnical Engineering Report**

Terracon Consultants, Inc. conducted field exploration and materials testing for this project. Their Final Geotechnical Engineering Report is dated March 30, 2023, and is available in PDF format from NHD.

**28. Construction of Irrigation Improvements**

Construct the Frazier Lateral crossing during the irrigation off-season, generally October 15<sup>th</sup> to March 1<sup>st</sup>. All irrigation improvements must be completed prior to March 1<sup>st</sup>, 2025, or as directed by Pioneer Irrigation District.

**29. Americans with Disability Access (ADA) During Construction**

The needs and control of all road users (motorists, bicyclists, and pedestrians within the highway and/or public right-of-way, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA), Title II, Paragraph 35.130) through a

temporary traffic control (TTC) zone shall be an essential part of highway construction, utility work, maintenance operations, and the management of traffic incidents. The primary function of TTC is to provide for the reasonably safe and efficient movement of road users through or around TTC zones while reasonably protecting workers, responders to traffic incidents, and equipment.

Temporary facilities, including reasonably safe pedestrian routes around work sites, are also covered by the accessibility requirements of ADA (Public Law 101-336, 104 Stat.327, July 26, 1990. 42 USC 12101-12213 (as amended)). Implementation of TTC plans and installation and maintenance of devices shall be the responsibility of the Contractor performing the construction, alteration and/or maintenance of the highway or public right-of-way. Temporary traffic control for pedestrians shall meet the accessibility requirements (Standards) set forth in Part 6 of the MUTCD. When an existing continuous sidewalk or street crossing route cannot be maintained for pedestrians because of construction, either temporary walkways with curb ramps are to be provided, or the construction shall be phased to maintain access to the affected addresses. **Contractor shall be allowed flexibility as long as the requirements are met.**

The location of the construction project and whether or not accessible facilities are present shall also determine the extent of the needed temporary facilities. **Contractor is only required to maintain practical continuity** where accessible facilities already exist. On low-speed rural roads that do not have sidewalks and are used by bicyclists, no additional measures are needed as the bicycles can share the available travel lanes with other traffic. On moderate to higher speed rural roads, if a bike lane exists then it should be properly detoured, complete with signage, to provide a safe route through or around the work area. If a road or bridge project affects vehicular traffic to a business, residence, school or any other type of pedestrian generating location with existing accessible facilities, then pedestrian and handicapped access must be maintained.

A continuous route for all pedestrians, including the disabled and bicyclists, shall be maintained at all times. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. The temporary route should enable pedestrians to bypass the construction site while minimizing the retracing of their steps or going significantly out of their way. Additional consideration must be given to the disabled since they may not have the physical or cognitive ability to improvise (e.g. balancing along the curb or a very narrow path) or use unofficial alternatives (e.g. using an adjacent grass surface). Temporary routes must meet the accessibility guidelines of the ADA for permanent facilities and shall be marked with the proper signage. Should existing crosswalks at signalized intersections be closed or made inaccessible, temporary crosswalks should be painted in an accessible location. Temporary signals should include pedestrian phases.

Contractors shall not block temporary walkways with contractor parking, materials piles, signs, rubble or rubbish. Construction equipment and equipment operation must be separated from the temporary walkways. At work zones where higher volumes of pedestrian traffic or school children exist, pedestrian fences or other protective barriers may be needed to prevent access into the construction area.

Detour and diversion routes, when used for pedestrians and bicyclists, should be evaluated for the following items:

- Direct conflicts between pedestrians and vehicular traffic, work vehicles, and other work activities must be reduced with protective barriers or continuous high contrast fencing (min 36" high with a 6" high toe board). See MUTCD 6F.68 and 6D.02
- Temporary pedestrian facilities should provide safe, accessible routes that replicate as nearly as practical the most desirable characteristics of the existing facility and parallel the disrupted route whenever possible. A smooth, continuous hard surface should be provided throughout the entire length of the temporary pedestrian facility. There should be no curbs or abrupt changes in grade or terrain that could cause tripping or be a barrier to wheelchair use. The geometry and alignment of the facility should meet the applicable requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) for Buildings and Facilities. See MUTCD 6D.01 and 6D.02
- Advance information placed at appropriate distances before the work zone allowing pedestrians to make timely decisions about routes through or around the work zone. See MUTCD 6F.14
- Transition information allowing pedestrians to find a safe path through and around work zones, which is critical when the pathway is restricted, diverted or detoured. See MUTCD 6F.14
- Work area information assisting in safe passage of pedestrians through the work zone. This information is needed on all pedestrian routes except detours. See MUTCD 6F.14
- Exit information directing pedestrians back to the original route. See MUTCD 6F.14
- Crosswalk placement at intersections may need additional signage, temporary striping, traffic signal modification, pedestrian signals with audible alarms if justified, proper push button height, and ramps. See MUTCD 6H.29, 6F.80, and 4E.06
- Accommodations for other transit forms (busses, trains etc.) are made. See MUTCD 6D.02
- Requirements of the ADAAG and MUTCD are adhered to.
- Access is maintained to the affected businesses and residences.

### **30. Connecting and Plugging Pipes**

Connecting new pipes, manholes, irrigation structures\ditches and catch basins to existing pipes, manholes, irrigation structures\ditches and catch basins is incidental to other work and no additional compensation will be made. Additional, plugging holes of pipe removed from existing manholes, irrigation structures or catch basins with grout to form a watertight seal is incidental to other work and no additional compensation will be made.

**31. Shop Drawings**

Plans show details of all structures, lines, grades, typical cross sections of the roadway, location and design of all structures and a summary of items appearing on the proposal. The Contractor shall keep one set of plans available at the work site at all times.

Contractor must supplement the plans with such working drawings necessary to adequately control the work. Working drawings shall be submitted to the NHD for review in advance of the start of the proposed work. Contractor shall allow sufficient review time and correction resubmittals by the Contractor without impacting the approved construction schedule. Unless otherwise stated in the contract, NHD will require up to (15) business days from the date the submittals or re-submittals are received until they are returned to the Contractor. No extension to contract time will be given due to re-submittals or the failure of the Contractor to provide any information necessary in a timely fashion. If necessary, drawings will be signed and sealed by a Professional Engineer licensed to practice in the State of Idaho.

This review time will increase if the drawings submitted do not meet the contract requirements or do not contain sufficient details.

For structures, six (6) sets of working drawings shall be furnished and shall include stress sheets, shop drawings, erection plans, coffer dam plans, bending diagrams for reinforcing steel, or any other supplementary plans or similar data required of the Contractor. All structural drawings provided shall be sealed by a Professional Engineer licensed to practice in the State of Idaho.

Working drawings shall be approved before beginning the work covered by the submitted drawings. Such approval is only for general conformance with the information given in the contract documents and does not relieve the Contractor of responsibility for correctness of the details and dimensions, nor does it waive any requirements of the specifications.

The contract price shall include the cost of furnishing all submitted shop and/or working drawings.

## SPECIAL PROVISIONS

### 1. **202.4.1.A.1 Excavation (Plan Quantity)**

ON PAGE 15 OF SECTION 202 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, replace Section 4.1.A with the following:

Excavation: This item shall be paid for by the cubic yard on a plan quantity basis with no final measurement, for which the price and payment shall constitute full compensation for clearing and grubbing within the earthwork limits, excavating, loading, hauling and disposing of excess excavated material and for loading, hauling, spreading, blending, shaping, drying, watering and compacting excavated material that is acceptable for the use as on-site borrow for embankment fill, and for all tools, labor and incidentals necessary to complete the work and all appurtenances not itemized on the Bid Schedule.

The plan quantity listed on the Bid Schedule represents the volume of excavated material required to construct the subgrade and cut and fill slopes as shown on the project plans and standard drawings and as described in the ISPWC and these Special Provisions. Placing and compacting on-site borrow for embankment fill is incidental to the excavation pay item and no separate payment will be made.

Payment for this item will be made under:

1. Bid Schedule Payment References: 202.4.1.A.1  
Bid Schedule Description: Excavation (Plan Quantity)..... cubic yard (CY)

### 2. **401.4.1.A.1 Water Main, PVC, AWWA C900, DR18**

ON PAGE 9 OF SECTION 401 OF THE ISPWC, PART 3.2 – PIPE INSTALLATION, add the following:

- R. In areas where existing water main depth must be lowered to provide the required minimum pipe cover, existing water main pipe and fittings may be reused if in good condition and acceptable to the City.

ON PAGE 17 OF SECTION 401 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, replace items 1 and 2 in 4.1.A with the following:

1. Bid Schedule Payment Reference: 401.4.1.A.1.A
2. Bid Schedule Description: 6" PVC, AWWA C900, DR18 Water Main, per Linear Foot
3. Bid Schedule Payment Reference: 401.4.1.A.1.B
4. Bid Schedule Description: 12" PVC, AWWA C900, DR18 Water Main, per Linear Foot

ON PAGE 17 OF SECTION 401 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

- C. Adjust Depth of 12" Water Main: Measurement and payment on a per linear foot basis for the type and size of pipe measured along the horizontal centerline of

the pipe through all fittings and valves. Includes lowering existing pipe, installing new pipe, fittings, connections, thrust blocks, restraint, cleaning, disinfection and testing, excavation, bedding, backfill and all appurtenances not itemized in the Bid Schedule.

1. Bid Schedule Payment Reference: 401.4.1.A.1.C
2. Bid Schedule Description: Adjust Depth of 12" Water Main, per Linear Foot

**3. 505.4.1.C.1 Adjust Depth of Pressure Sewer Pipe**

ON PAGE 5 OF SECTION 505 OF THE ISPWC, PART 3.2 – INSTALLATION OF PRESSURE SEWERS, add the following:

- F. In areas where existing pressure sewer pipe depth must be lowered to provide the required minimum pipe cover, existing pressure sewer pipe and fittings may be reused if in good condition and acceptable to the City.
- G. One air release/vacuum valve will be included for each line. Location to be determined in coordination with the City of Nampa.

ON PAGE 6 OF SECTION 505 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

- D. Adjust Depth of Pressure Sewer Pipe: Measurement and payment on a per linear foot basis for the type and size of pipe measured along the horizontal centerline of the pipe through all fittings and valves. Includes lowering existing pipe, installing new pipe, fittings, connections, thrust blocks, air release/vacuum valves, markers, testing, excavation, bedding, backfill and all other work not separately itemized in the Bid Schedule.
  1. Bid Schedule Payment Reference: 505.4.1.C.1.A
  2. Bid Schedule Description: Adjust Depth of 12" Pressure Sewer Pipe, per Linear Foot
  3. Bid Schedule Payment Reference: 505.4.1.C.1.B
  4. Bid Schedule Description: Adjust Depth of 18" Pressure Sewer Pipe, per Linear Foot

**4. 602.4.1.O.1 Irrigation Ditch 3' Wide by 1' Deep**

ON PAGE 12 OF SECTION 602 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, replace Section 4.1.O with the following:

- O. Irrigation Ditch 3' Wide by 1' Deep: Per linear foot of irrigation ditch indicated on the Bid Schedule.
  1. Bid Schedule Payment Reference: 602.4.1.O.1
  2. Bid Schedule Description: Irrigation Ditch 3' Wide by 1' Deep . linear foot (LF)

**5. 705.4.1.A.1.A Portland Cement Concrete Pavement – Class 4000A, 9” Thickness**

ON PAGE 2 OF SECTION 705 OF THE ISPWC, PART 2 – MATERIALS, add the following to Section 2.1 Portland Cement Concrete:

- C. Integrally color the concrete using non-fading pigments conforming to ASTM C979. Utilize red-brick concrete color that matches in reasonably close conformance with Butterfield Color Uni-Mix Integral Concrete Colorant U34 - Brick Red or P15 – Brick Red. Submit color samples for approval prior to construction. Accepted color will be based on comparison to the Butterfield Color Uni-Mix Integral Concrete Colorant Color Chart.

Add integral concrete colorant according to manufacturer's instructions. Provide a copy of those manufacturer instructions to the engineer before producing material for incorporation into the work.

ON PAGE 2 OF SECTION 705 OF THE ISPWC, PART 2 – MATERIALS, replace to Section 2.5 Curing and Protective Coating Materials:

- A. Furnish materials meeting the following requirements:
  - 1. Liquid membrane-forming clear curing compound conforming to ASTM C1315, Type 1.

ON PAGE 6 OF SECTION 705 OF THE ISPWC, PART 3.6.A, add the following:

- 1. Transverse joints shall be constructed radially from the center of the circle. Twenty joints shall be constructed resulting in a distance between joints measured at the outer edge of the truck apron of 14.76 feet (contractor to field verify) and 10.52 feet measured at the inner edge of the truck apron (contractor to field verify).
- 2. Joints shall be saw cut to a depth of 1-3/4” within 12 hours of the pour and sealed per ISPWC SD-714B for Hot Applied Sealant with No Backer Rod.

ON PAGE 8 OF SECTION 705 OF THE ISPWC, PART 3.8.A, replace with the following:

- A. Apply Type 1, curing compound per ASTM C309-11 at the rate of 1 gal/150 ft<sup>2</sup> immediately after surface finishing is complete.

ON PAGE 9 OF SECTION 705 OF THE ISPWC, add the following:

PART 3.11 Concrete Pavement Repair - Any work necessary to repair cracking or any other defects of new concrete pavement will be done at the discretion of NHD in accordance with the guidelines of the “Construction Specification Guideline for Concrete Pavement Streets and Local Roads” published by the American Concrete Pavement Association. The cost of repairs shall be incidental to the cost of the concrete pavement and no separate payment will be made.



**6. 705.4.1.A.1.B Portland Cement Concrete Pavement – Class 4000A, 10” Thickness**

ON PAGE 9 OF SECTION 705 OF THE ISPWC, add the following:

PART 3.11 Concrete Pavement Repair - Any work necessary to repair cracking or any other defects of new concrete pavement will be done at the discretion of NHD in accordance with the guidelines of the “Construction Specification Guideline for Concrete Pavement Streets and Local Roads” published by the American Concrete Pavement Association. The cost of repairs shall be incidental to the cost of the concrete pavement and no separate payment will be made.

**7. 706.4.1.A.9 Roundabout Curb**

ON PAGE 6 OF SECTION 706 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, replace items 9 and 10 with the following:

- 9A. Bid Schedule Payment Reference: 706.4.1.A.9.A
- 10A. Bid Schedule Description: Mountable Roundabout Curb (No Gutter), Size 3-Inch (Truck Apron) .linear foot (LF)
- 9B. Bid Schedule Payment Reference: 706.4.1.A.9.B
- 10B. Bid Schedule Description: Mountable Roundabout Curb (No Gutter), Size 4-Inch (Splitter Island) linear foot (LF)
- 9C. Bid Schedule Payment Reference: 706.4.1.A.9.C
- 10C. Bid Schedule Description: Mountable Roundabout Curb (No Gutter), Size 6-Inch (Center Island). linear foot (LF)

**8. 801.4.1.B.1 6” Minus Uncrushed Aggregate Base**

ON PAGE 2 OF SECTION 801 OF THE ISPWC, PART 2.1.B - MATERIALS, add the following:

The material shall have a minimum R-value of 70.

**9. 802.4.1.B.1 – Crushed Aggregate for Base Type I (Plan Quantity)**

ON PAGE 7 OF SECTION 802 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, replace Section 4.1.A with the following:

Crushed Aggregate for Base: This item is paid for by the ton on a plan quantity basis with no final measurement, for which the price and payment constitutes full compensation for material and for loading, hauling, spreading, blending, shaping, drying, watering and compacting, and for all tools, labor and incidentals necessary to complete the work and all appurtenances not itemized on the Bid Schedule.

Payment for this item will be made under:

802.4.1.B.1 – Crushed Aggregate for Base Type I (Plan Quantity) .....ton (TON)

**10. 810.4.1.A.1 Plant Mix Pavement SP-3**

ON PAGE 3 OF SECTION 810 OF THE ISPWC, PART 2.1.D - MATERIALS, add the following:

3. Plant mix pavement shall be Superpave SP-3, ½ inch nominal maximum aggregate size, meeting requirements of Section 803 of the ISPWC Manual and ACCHD Manual. Asphalt cement shall be PG 70-28 meeting the requirements of Section 805. A minimum of 0.5% Anti-Stripping additive is specified.

ON PAGE 3 of SECTION 810 OF THE ISPWC, PART 2.2 – MATERIALS, add the following:

- D. Anticipated aggregate breakdown shall be considered in the mix design.

ON PAGE 15 of SECTION 810 OF THE ISPWC, PART 3 – WORKMANSHIP, add the following:

**3.14. ADDITIONAL REQUIREMENTS**

A pre-paving meeting with the paving crew, foreman, quality control personnel and other key individuals shall be conducted prior to start of paving operations to ensure that everyone involved with the paving is aware of the project requirements and how their actions can affect the quality of the finished project.

Surface profile per Section 810.3.13.B is required.

The end of each day's paving shall be saw cut to a vertical edge and prepared before paving resumes.

ON PAGE 16 of SECTION 810 OF THE ISPWC, PART 4.1 – MEASUREMENT AND PAYMENT, add the following:

This item includes all labor, materials, equipment and costs associated with saw cutting existing pavement where the project plant mix matches into existing pavement. This item also includes all labor, materials, equipment and costs associated with the furnishing and placement of an asphalt tack coat on previously placed plant mix pavement. The material shall be CSS-1 emulsified asphalt diluted 50% in accordance with Section 805. The application rate is 0.05 gallons per square yard. The tack coat will be incidental to the plant mix pavement pay item.

**11. 901.4.1.A.1 12" Diameter Pressure Irrigation Main, Type C900 PVC**

ON PAGE 8 OF SECTION 901 OF THE ISPWC, PART 3.2 – PIPE INSTALLATION, add the following:

- R. In areas where existing pressure irrigation main depth must be lowered to provide the minimum required pipe cover, existing pressure irrigation main pipe and fittings may be reused if in good condition and acceptable to the City.

ON PAGE 11 OF SECTION 901 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

C. Adjust depth of 12” Pressure Irrigation Main: Measurement and payment on a per linear foot basis for the type and size of pipe measured along the horizontal centerline of the pipe through all fittings and valves. Includes lowering existing pipe, installing new pipe, fittings, connections, thrust blocks, restraint, cleaning, disinfection and testing, excavation, bedding, backfill and all appurtenances not itemized in the Bid Schedule.

1. Bid Schedule Payment Reference: 901.4.1.A.1.B
2. Bid Schedule Description: Adjust Depth of 12” Pressure Irrigation Main, per Linear Foot

**12. 1001.4.2.A.1 Staging Area**

ON PAGE 3 OF SECTION 1001 OF THE ISPWC, PART 3 – WORKMANSHIP, add the following:

C. Contractor must provide NHD a copy of agreements between Contractor and property owner for staging area seven days prior to occupying property. Any damage to NHD or City-owned infrastructure (roadway, curbs, sidewalk, etc.) by Contractor will be replaced at no cost to NHD or the City.

**13. 1101.4.1.A.1 RRFB Signal System**

ON PAGE 10 OF SECTION 1101 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, replace Subsection A with the following:

A. RRFB Signal System: By the lump sum for all work included in the Contract Documents or specified herein. Work to include the sum total of all items for a complete system to be furnished, installed and tested, including full compensation for all costs involved in furnishing all labor, materials, and equipment necessary or incidental to the construction of a complete new RRFB Signal System for all approaches at the roundabout as shown in the Contract Documents. Includes materials, labor and equipment needed for excavation, foundations, poles, conduit, junction boxes, wiring, connections, rectangular rapid flashing beacons, controllers, mounting hardware, signs, restoration of facilities damaged during construction, completing all tests, and all appurtenances not itemized in Bid Schedule to produce a fully functional RRFB Signal System with CCTV pole and camera. All additional materials and labor not shown in the Contract Documents, or called herein, and which are required to complete the specified system are incidental to the construction and included in the lump sum contract price.

1. Bid Schedule Payment Reference: 1101.4.1.A.1
2. Bid Schedule Description: RRFB Signal System .....lump sum (LS)

**14. 1102.4.1.1.1 Illumination System**

ON PAGE 13 OF SECTION 1102 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

H. Illumination System: By the lump sum for all work included in the Contract Documents or specified herein. Work to include the sum total of all items for a complete system to be furnished, installed and tested, including full compensation for all costs involved in furnishing all labor, materials, and equipment necessary or incidental to the construction of a complete new illumination system as shown in the Contract Documents. Includes materials, labor and equipment needed for excavation, foundations, poles, conduit, junction boxes, wiring, connections, fuses, splices, luminaire fixtures, service pedestal, foundation for combination signal cabinet and service pedestal, signal cabinet, CCTV camera with enclosure and mounting hardware, CCTV controller, CCTV cabling, restoration of facilities damaged during construction, and all appurtenances not itemized in Bid Schedule to produce a fully functional illumination system with spare conduit for future uses as noted on the plans. All additional materials and labor not shown in the Contract Documents, or called herein, and which are required to complete the specified system are incidental to the construction and included in the lump sum contract price.

City to pay permit costs and costs to utility to initiate electrical service.

1. Bid Schedule Payment Reference: 1102.4.1.1.1.
2. Bid Schedule Description: Illumination System.....lump sum (LS)

**15. 1103 Items Construction Traffic Control**

ON PAGE 6 OF SECTION 1103 OF THE ISPWC, PART 3 – WORKMANSHIP, add the following to Section 3.1:

- L. Temporary work zone traffic control (TTC) equipment placed in public right-of-way under NHD jurisdiction shall be placed in accordance with MUTCD Section 6F.03 and as follows.
1. Ground mounted signs installed at the side of the road in rural areas shall be mounted at a height of at least 5 feet, measured from the bottom of the sign to the near edge of the pavement. In business, commercial, and residential districts where parking and / or bicycle or pedestrian movement is likely to occur, or where there are other obstructions to sign visibility, or where there are two or more through lanes in each direction, the distance between the bottom of the sign and the near edge of the traveled way shall be at least 7 feet.
  2. Neither portable nor permanent sign supports or barrels should be located on sidewalks, bicycle facilities, or areas designated for pedestrian or bicycle traffic, unless required for construction activities, in which case suitable detours must be provided. Signs mounted lower than 7 feet should not project more than 4 inches into pedestrian facilities.

3. The height to the bottom of a secondary sign mounted below another sign may be 1 foot less than the appropriate height specified above.
  4. All traffic control signs that will be left in place for longer than three (3) days shall be mounted on a wood or metal post set at least 30" into the ground or as directed. Temporary installations will be allowed for signs left in place less than 3 days. All sign supports shall be crashworthy in accordance with NCHRP 350 standards. Exceptions to this are the following signs from the MUTCD: R9-8 through R9-11a (Pedestrian and Sidewalk series), R11 (Road Closed series), W1-6 through W1-8 (Horizontal Arrow series), M4-10 (Horizontal Detour Arrow), or other similar types of signs that are typically mounted on portable barricades.
  5. Signs mounted on barricades and barricade / sign combinations shall be crashworthy.
  6. Signs mounted on barricades or other portable supports shall be no less than 1 feet above the traveled way. Sign installations of this type shall only be allowed where approved.
  7. Signs mounted on barricades shall not cover more than 50% of the top two rails or 33% of the total area of the three rails.
  8. Large signs having an area exceeding 50 square feet that are installed on multiple crashworthy posts shall be mounted a minimum of 7 feet above the ground.
  9. Temporary work zone traffic control signs that are not needed at the end of the workday are to be covered, turned, or removed from the work site. Signs that are covered or turned shall be delineated by the use of reflective tape, cones, or barrels. Signs mounted on portable supports are not to be rotated to a horizontal orientation; this creates a hazardous obstruction.
- M. All TTC signing and detours are to be in place and approved by the engineer prior to the Contractor starting work. All signing and channelization shall be per the MUTCD, latest edition, and Section 1103 of the ISPWC. The engineer or his representative will be the sole judge in determining the acceptability of the condition and appearance of the traffic control and work zone devices. Devices or signs determined to be in unacceptable condition are to be promptly replaced with materials of acceptable condition and appearance.
- N. All stop and street name signs will remain installed and visible at their current location at all times. Temporary stop and street name signs shall be provided for traffic control while the permanent signs are being replaced, relocated, or are obstructed.
- O. The contractor may be required as part of this item to install and move the traffic control drums numerous times as needed to properly control traffic on the project.

ON PAGE 7 OF SECTION 1103 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, replace Section 4.1 with the following:

- 4.1. An itemized list of all traffic control items installed on the project and their respective certifications shall be delivered to the project inspector within 48 hours of installation.
- 4.2. The TTC devices shall be paid as listed on the bid item schedule. Miscellaneous traffic control items including flashers and flags shall be considered incidental to other traffic control items and no separate payment will be made.
- 4.3. The accepted quantity of construction signs will be paid for at the contract unit price bid per square foot for the initial installation only. Signs utilized for multiple construction phases shall be paid for at the contract unit price bid per square foot for the initial installation only. Additional payment will not be made for signs that are removed from the project and reinstalled during a later phase of construction. Relocation of signs within the project after the initial installation shall be paid for under the Traffic Control Maintenance item, as authorized by the Engineer.
- 4.4. Temporary Traffic Control Maintenance and flagging are to be initiated only by authorization of the project inspector. TTC Maintenance personnel and Flaggers are to notify the project inspector upon arrival on site. Invoices for TTC Maintenance and Flagger hours are to be provided to the project inspector within 48 hours of the day the activity took place.
- 4.5. The cost to cover, relocate and/or reinstall existing permanent traffic control signs as required within the construction limits shall be incidental to the other traffic control items of work, and no separate payment shall be made. This work shall be performed in accordance with the MUTCD, current edition.

**16. 1105.4.1.E.1 Roadside Traffic Sign Installation (One Metal Post)**

ON PAGE 5 OF SECTION 1105 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

- E. Roadside Traffic Sign Installation (One Metal Post): Measurement and payment on a per each basis of signs installed, including sign blank, sign face, steel sign post, anchor assembly, concrete, hardware and all labor and materials necessary for a complete installation including foundation in accordance with the City's current standards.
  1. Bid Schedule Payment Reference: 1105.4.1.E.1
  2. Bid Schedule Description: Roadside Traffic Sign Installation (One Metal Post) ...each (EA)

**17. 1105.4.1.F.1 Roadside Traffic Sign Installation (Two Metal Posts)**

ON PAGE 5 OF SECTION 1105 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

- F. Roadside Traffic Sign Installation (Two Metal Posts): Measurement and payment on a per each basis of signs installed, including sign blank, sign face, steel sign post, anchor assembly, concrete, hardware and all labor and materials necessary for a complete installation including foundation in accordance with the City's current standards.
  - 1. Bid Schedule Payment Reference: 1105.4.1.F.1
  - 2. Bid Schedule Description: Roadside Traffic Sign Installation (Two Metal Posts) ....each (EA)

**18. 1105.4.1.G.1 Channelizer (18" Yellow)**

ON PAGE 3 OF SECTION 1105 OF THE ISPWC, PART 2 – MATERIALS, add the following:

- 2.4. Channelizer. Channelizers shall be surface mount, 18" in height (nominal) and yellow in color. Channelizers shall be FlexStake TM 750 Series, Flexi-Guide FG 300 or approved equal, all installed following manufacturer's recommendations.

ON PAGE 5 OF SECTION 1105 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

- G. Install Channelizer (18" Yellow): Measurement and payment on a per each basis of channelizer installed at locations shown on the Contract Documents.
  - 1. Bid Schedule Payment Reference: 1105.4.1.G.1
  - 2. Bid Schedule Description: Channelizer (18" Yellow).....each (EA)

**19. 1105.4.1.H.1 Relocate Roadside Sign**

ON PAGE 5 OF SECTION 1105 OF THE ISPWC, PART 4 – MEASUREMENT AND PAYMENT, add the following:

- E. Relocate Roadside Sign: Measurement and payment on a per each basis of signs installed, steel sign post, anchor assembly, concrete, hardware and all labor and materials necessary for a complete installation including foundation in accordance with the City's current standards.
  - 1. Bid Schedule Payment Reference: 1105.4.1.H.1
  - 2. Bid Schedule Description: Relocate Roadside Sign.....each (EA)

**20. 2020.4.1.F.1 Reference and Reset Monument**

ON PAGE 3 OF SECTION 2020 OF THE ISPWC, PART 3 – WORKMANSHIP, add the following to Section 3.1:

- D. Reference and reset any found survey monuments.

All found survey monuments shall be replaced and reset by a Professional Land Surveyor and shall be in conformance with Idaho Code Title 55, Chapter 16 and accepted standards of surveying. Survey monuments shall be replaced in kind

with 5/8" rebar and cap or concrete monument. Section corner and 1/4-section corner monuments shall reset with monument type A per ISPWC Standard Drawing SD-2020A.

**21. SP 02020 Gravel Repair**

*Description:* This item includes all work and costs associated with the repair of existing gravel driveway accesses abutting the project to match the grades of new back of sidewalk and existing gravel. Locations for repairs are shown on the plans or as directed.

*Materials & Workmanship:* This item shall include excavation and/or borrow, construction of necessary embankment, labor, equipment, and materials necessary to complete placement of a 6-inch thickness of 3/4" aggregate base course, on a compacted subgrade. Materials shall meet the requirements of Section 802.

*Measurement and Payment:* Gravel Repair will be measured per square yard and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 02020 Gravel Repair ..... square yard (SY)

**22. SP 02021 Gravel Cut/Fill Slope**

*Description:* This item shall include all work and costs associated with the furnishing, placing, shaping and compacting gravel cut/fill slopes at the locations shown on the plans or as directed.

*Materials & Workmanship:* The materials and workmanship for this item shall meet the requirements of Section 802, Crushed Aggregates, in constructing gravel fill slopes consisting of a 6-inch thickness of crushed aggregate for base type I, on a compacted subgrade.

*Measurement and Payment:* Gravel Fill Slope will be measured per square yard and shall include all labor, equipment and material necessary for the completion of the bid item.

Payment for the accepted quantity of this item will be made under:

SP 02021 Gravel Cut/Fill Slope ..... square yard (SY)

**23. SP 02022 Temporary Gravel Road**

*Description:* This item includes all work and costs associated with the furnishing, placing, shaping and compacting gravel roadway at the locations shown on the plans or as directed.

*Materials & Workmanship:* This item includes excavation and/or borrow, construction of necessary embankment, labor, equipment, and materials necessary to complete



placement of a 4-inch thickness of ¾" aggregate base course, on a compacted subgrade. Materials shall meet the requirements of Section 802

*Measurement and Payment:* Temporary Gravel Road will be measured per square yard and includes all labor, equipment and material necessary for the completion of the bid item including maintenance and dust abatement.

Payment for the accepted quantity of this item will be made under:

*SP 02022 Temporary Gravel Road..... square yard (SY)*

**24. SP 04041 Water Service Connection to House**

*Description:* This item shall include all work and costs required to connect the new water service meter to the domestic water service at the house.

*Materials & Workmanship:* All materials will conform to Section 404 of the ISPWC and City of Nampa 2023 Standard Construction Specifications.

The contractor will coordinate with the homeowner prior to any disruption in water service to the residence. The contractor will confirm the location of the existing water service piping entrance to the residence. The new water service line will be installed from the new water service meter at the property line to the existing water service pipe entrance to the residence.

The work in this item must be completed by a plumber licensed in the state of Idaho.

*Measurement and Payment:* Water Service Connection to House will be measured per each and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for the accepted quantity of this item will be made under:

*SP 04041 Water Service Connection to House..... each (EA)*

**25. SP 05051 Sewage Bypass System**

*Description:* This item includes all work and costs required to install, operate and maintain a temporary bypass system for the pressure sewer on Northside Boulevard.

*Submittals & General Requirements:* The Contractor is required to design, manage, and monitor the sewage bypass pumping plan as necessary to execute the work. Sewage flow in the two pressure sewer lines must be maintained at all times around the construction operations.

*Sewage Bypass Systems:* The bypass will be made by connecting to the pressure sewer piping upstream and downstream of the section of existing pressure sewer that will be lowered. Short term shut-off of the pressure sewer will be necessary

to make and remove the temporary connections and will be completed during low flow time periods with approval by the City of Nampa (contact Clemente Salinas 208-468-4462). Design of bypass sewage system is to include 30% increase in peak hour flows. In addition, flows vary daily and seasonally with infiltration and precipitation events. Assume infiltration increases flows by 15% after April 1 and precipitation induced inflow adds 15% increase.

Flow measurement was completed at Lift Station No. 4 (Purdham Lift Station) from 10/13/24 to 10/21/24:

1. Peak flow: 1200 gpm
2. Typical flows: 800 – 1200 gpm

Submit a sewage bypass control plan including description and details of system, product data on all equipment to be used, number and capacity of pumps, intended bypass locations, when system will be required in the work sequence, and duration system will be online. Include a contingency plan in case of primary system failure and emergency notification protocols. Prepare and submit a spill response plan to the Owner for review. Include operating/maintenance plan of equipment, screenings and fueling. Provide a call tree listing specific contacts in order of notification.

Agency approvals have not been secured for the bypass pumping by the Owner. Submit and secure approvals from the City of Nampa and submit documentation to the Engineer during the submittal process.

Review of the Contractor's sewage bypass control plan shall not be interpreted as acceptance or approval by the Owner or Engineer. The Contractor's plan for sewage bypass pumping and/or diversions must be reviewed prior to commencement of sewage bypass pumping and/or diversions.

*Materials & Workmanship:* The materials and workmanship for this item must meet the requirements of the following sections of the ISPWC: Section 205 – Dewatering, Section 502 Manholes, and Section 505 – Pressure Sewers.

#### BY-PASS PUMPING EQUIPMENT REQUIREMENTS

- A. By-pass piping to be fused HDPE piping unless otherwise approved by the Engineer.
- B. Size equipment for the flow contingency factors listed in General Requirements including any de-rating for suction lift pumps.
- C. Equip by-pass pumps with a residential grade silencer and noise reduction enclosure to attenuate sound levels to 60 dB.

#### PREPARATION/DEMONSTRATION

- A. Provide a sewage bypass control system to convey all wastewater flows adequately and continuously during construction. For sewage bypass plans including pumping systems, incorporate provisions for non-clogging to prevent fouling. If necessary, provide temporary power sources for sewage bypass equipment that requires a power source and secure fuel supply for power generator equipment to prevent spillage.
- B. Prepare contingency plans for equipment or power failure and unexpected conditions. Provide 100% backup redundancy in sewage bypass pumping.
- C. Prepare all necessary diversions and modifications in accordance with the submitted plan.
- D. Provide independent temporary power sources for sewage bypass pumping equipment. Provide all necessary temporary electrical service to machinery and provisions for backup power generation. Provide personnel to operate and maintain system function throughout the bypassing period. Provide all temporary lighting and safety control systems.
- E. Contactor will operate the sewage bypass system for a trial period during expected peak flows under observation by the City of Nampa's RPR before bringing the bypass system online. Duration of trial period will be as determined by the Engineer. Peak flows generally occur on weekends. Weekday flows are typically lower and peak in the morning between 9 am and 11 am or evening 7 pm to 9 pm. If the bypass system fails or deficiencies are noted, the Contractor will correct the problem(s) and restart the trial period at no additional cost to the City. Continue trial period until the Owner and Engineer deem completed.
- F. Bypass of sewage must be in enclosed piping. Wastewater is not permitted to flow in open trenches. Temporary gravity flow diversions through structures with partial pipes and/or baffles with concrete channels are permitted.
- G. Install discharge piping in a manner to provide safe and reliable service, without disrupting public access and incorporation with the Traffic Control Plan. Report spillage immediately to Owner's RPR, Owner's WWTP operations, and IDEQ (208-373-0550), isolate area from the public, and employ remediation procedures.

#### SEWAGE BYPASS CONTROL SYSTEM

- A. Bypass control systems shall not surcharge or in any way affect the full operating capacity of the upstream or downstream trunk sewers. Surcharging is defined as depth of flow above the pipe crown.

- B. Include a high-level switch in the bypass system to initiate a local horn and emergency light or beacon.
- C. Take all necessary precautions, including constant monitoring of the sewage bypass system pumping equipment, to ensure that the sewage bypass system operates properly. Do not leave the sewage bypass pumping system unattended. The Contractor is liable for all cleanup, damages and resultant fines caused by sewage bypass system spills.
- D. Implement contingency plans for equipment or power failure and unexpected flow conditions. Provide plans to the Engineer prior to operation.
- E. Provide a secondary, standby bypass system if utilizing a pumping system for sewage bypass. The secondary bypass system must consist of a trailer-mounted unit sized for peak flow that starts automatically upon a high-level alarm in the primary bypass system. The secondary bypass system will have an independent power supply.
- F. Implement all necessary diversions and modifications in accordance with submitted plan.

#### MONITORING

- A. Provide personnel to monitor sewage bypass pumping completely and continuously, both upstream and downstream of the reach under construction in addition with an alarm/phone dialer. Bypass pumping at night will be allowed in most circumstances unless permitting agencies disapprove.
- B. Install temporary plug or approved materials to divert all flows and isolate downstream existing piping.
- C. Report spillage immediately to Engineer, WWTP operations, and IDEQ (208) 373-0550, isolate area from the public, and immediately employ remediation procedures.

#### SEQUENCING AND SCHEDULING

- A. Secure written approval from the Owner a minimum of forty-eight (48) hours prior to implementing each stage of sewage bypass.

#### TERMINATION

- A. Remove equipment and appurtenances upon termination of sewage bypass control activities and restore disturbed area to original condition. If existing trunk lines have been surcharged, the Contractor may be required to clean said lines, at the sole discretion of the City of Nampa.

*Measurement and Payment:* Sewer Bypass System will be measured per lump sum for the complete sewage bypass system regardless of the number of bypass flows, relocations, phasing or staging required and include all equipment, labor, tools, materials, sewage bypass plan, piping, couplings, fittings, plugs, dewatering, bedding, demolition, pipe diversions, temporary bypass pumping, plugs, monitoring, demonstration, surface repairs, removal, and disposal of obstructions to accommodate the work, and other related miscellaneous work and incidental work required to complete by-pass of sewage flows in accordance with the Contract Documents.

Payment for the accepted quantity of this item will be made under:

SP 05051 Sewage Bypass System ..... lump sum (LS)

**26. SP 06007 Abandon Existing Well**

*Description:* This item includes all work and costs required to abandon the existing domestic water well shown on the plans in accordance with the requirements of the Idaho Department of Water Resources.

*Materials & Workmanship:* This item shall include all equipment needed to permanently abandon the existing well. All existing wells designated to be abandoned shall be permanently abandoned in accordance with IDAPA 37.03.09.025.12 Well Construction Standards Rules of Idaho Administrative Code. At a minimum all existing pumping equipment shall be removed and salvaged, stored on a pallet or other approved method in a manner to protect the equipment from damage, and delivered to the property owner. The well casing shall be filled with bentonite granules as required to stop the upward or downward movement of water. The well casing shall be cut off 2 feet below subgrade or at a level that does not interfere with the new roadway improvements. The contractor shall prepare a written plan of the method he proposes to use to abandon the well and shall submit the plan to the Idaho Department of Water Resources for approval prior to construction. The Contractor shall submit any forms and pay for any fees as required by the Idaho Department of Water Resources to abandon the well.

*Measurement and Payment:* Abandon Existing Well will be measured per each and shall include all labor, equipment and material necessary for the completion of the bid item.

Payment for the accepted quantity of this item will be made under:

SP 06007 Abandon Existing Well..... each (EA)

**27. SP 06013 Stormwater Management Plan Preparation & Approval**

*Description:* This item shall consist of all work associated with contractor plan preparation and approvals to meet the requirements of the National Pollutant Discharge Elimination System (NPDES) Construction General Permit (CGP). The contractor is considered an operator having day-to-day control as defined in the EPA CGP; therefore,

the contractor is a co-permittee with NHD in the implementation of the CGP requirements.

*Workmanship:* The contractor is responsible for the completion, submittal, and implementation of the NHD provided SWPPP drawing and narrative, filing of the Notice of Intent (NOI), and filing of the Notice of Termination (NOT). Access for completing an electronic NOI and NOT can be found on the Idaho Department of Environmental Quality (IDEQ) IPDES E-Permitting website: <https://www2.deq.idaho.gov/water/IPDES>. The CGP can be found on the Idaho Department of Environmental Quality (IDEQ) website at: <https://www2.deq.idaho.gov/admin/LEIA/api/document/download/16509>. The SWPPP shall have been prepared and submitted to NHD for acceptance prior to the filing of the NOI. Prior to filing the NOT, the conditions listed in Part 8.2 (Conditions for Terminating CGP Coverage) of the CGP shall be met.

Once a SWPPP has been prepared, the Contractor and NHD shall both submit an electronic NOI on the website listed above. There is a fourteen calendar day wait after the acknowledgement of receipt has been posted on the IDEQ website for the SWPPP to be considered approved and construction allowed to commence.

Prior to starting construction, the NHD accepted SWPPP must be implemented. No Construction Activity or Land Disturbing Activity will be allowed to commence until the Contractor has fully implemented the accepted SWPPP.

Additionally, the contractor is responsible for installing, maintaining, and removing all Best Management Practices (BMPs) and for all documentation required to keep the SWPPP current.

A Rainfall Erosivity Waiver is available and defined in Appendix B, Part B.1 of the CGP. If the Waiver is utilized the Waiver shall have been prepared and submitted to NHD for acceptance prior to the filing of the Waiver through the IPDES E-Permitting website. If the conditions on which the waiver is based change, the contractor is responsible for updating the waiver and/or development, including filing for NOI and NOT, and implementation of a SWPPP.

BMPs for controlling pollutant transport from the construction site can be found in a number of publications including, but not limited to:

- a) Idaho Department of Environmental Quality, Idaho Catalog of Storm Water Best Management Practices at: <https://www.deq.idaho.gov/water-quality/wastewater/storm-water/> or Phone: (208) 373-0502
- b) United States Environmental Protection Agency – Region 10, Resources and Tools at: <https://www.epa.gov/npdes/construction-general-permit-resources-tools-and-templates>, or phone: (800) 424-4372
- c) Idaho Transportation Department, Best Management Practices (BMP) Manual at: <https://itd.idaho.gov/env/?target=resources>, phone: (208) 334-8476

*Measurement and Payment:* Payment for work items to implement the SWPPP shall be per other specific bid items noted in this contract.

Payment for this plan preparation and approval item will be made under:

SP 06013 Stormwater Management Plan Preparation & Approval..... lump sum (LS)

**28. SP 06014 Inlet Structure**

**Description:** This item includes all labor, tools and equipment necessary to construct concrete inlet structures placed at the location and grades detailed on the plans.

**Materials:** Materials shall conform to applicable portions of Sections 602 and 703 of the ISPWC. Concrete shall be CL-4000.

**Workmanship:** This item includes furnishing and placing all concrete for the inlet structure per Nampa Standard Drawing N-1030. This item includes all excavation, forming, covers, concrete, form stripping, backfilling, compacting to grade and all appurtenances. The construction of the concrete splash pad is included in this item. The cost to connect pipes to the inlet structure is considered incidental to this item.

Submit shop drawings for review and approval by the Engineer prior to construction.

**Measurement and Payment:** Inlet Structure will be measured per each and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 06014A - Inlet Structure, Size 12" ..... each (EA)  
SP 06014B - Inlet Structure, Size 18" ..... each (EA)

**29. SP 07009 Median Island Curb**

**Description:** This item consists of constructing an extruded concrete curb at the location detailed in the plans and detail sheets.

**Materials:** The curb shall conform to the details shown on the plans and in conformance with Division 700 of the ISPWC. Concrete shall be Class 3000.

**Workmanship:** Median island curb shall be placed, shaped, and compacted true to line and grade. The pavement shall be dry and cleaned of loose and deleterious material prior to curb placement. Joints in the curb shall be cut vertically and spaced at 5-foot intervals.

**Measurement and Payment:** Median Island Curb shall be measured per linear foot and shall include all labor, equipment, and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 07009 Median Island Curb ..... linear foot (LF)

**30. SP 07013 Colored and Patterned Concrete**

*Description:* This item includes all work and costs associated with constructing colored and patterned concrete at the location and grades detailed in the plans and detail sheets or as directed.

*Materials:* Concrete shall be Class 3000 and shall meet all applicable requirements of Division 700 of the ISPWC. Integrally color the concrete using non-fading pigments conforming to ASTM C979. Utilize red-brick concrete color that matches in reasonably close conformance with Butterfield Color Uni-Mix Integral Concrete Colorant U34 - Brick Red or P15 – Brick Red. Submit color samples for approval prior to construction. Accepted color will be based on comparison to the Butterfield Color Uni-Mix Integral Concrete Colorant Color Chart. Apply liquid membrane-forming clear curing compound conforming to ASTM C1315, Type 1.

*Workmanship:* Color Hardener, or approved equal, shall be added to the transit mixer on site. Color shall be integral in the concrete mix. When the concrete is still in the plastic stage of set, imprinting tools shall be applied to make the approved patterned surface. The pattern shall be formed with 3/8-inch maximum depth grooves and be placed simultaneously with the adjacent concrete sidewalk. Cold joints are only allowed when placing colored concrete next to non-colored concrete.

The pattern shall be Brick Basket Weave or approved equal utilizing rigid stamps. Roller stamps will not be allowed. Submit pattern samples for approval prior to construction. Provide method for placement of patterning, for approval prior to installation. Wheel stamp patterns will not be allowed.

*Measurement and Payment:* All costs associated with construction of the colored and patterned concrete, including concrete, color hardener, imprinting tools, curing, and sealing, shall be included in the unit price bid for this item.

Payment for this item will be made under:

*SP 07013 Colored and Patterned Concrete ..... square yard (SY)*

**31. SP 08120 Asphalt Repair**

*Description:* This item includes all work and costs associated with the repair of existing local roads, asphalt driveways, parking lots, and sidewalks abutting the project to match the grade of curbs, sidewalks, driveway approaches, and existing asphalt.

*Materials:* This item shall include excavation, labor, equipment, and materials necessary to complete placement of a 6" (inch) thickness of ¾" (inch) aggregate base course, on a compacted sub-grade, and a 3" (inch) thickness of plant mix pavement. Plantmix pavement shall be Superpave SP-3, ½ inch nominal maximum aggregate size, meeting requirements of Section 803 of the ISPWC Manual and ACCHD Manual. Asphalt cement shall be PG 70-28 meeting the requirements of Section 805. A minimum of 0.5% Anti-Stripping additive is specified. Asphalt tack material shall be placed on vertical faces of previously placed plantmix pavement. Tack coat material shall be CSS-



1 emulsified asphalt diluted 50% in accordance with Section 805. The application rate is 0.05 gallons per square yard.

*Workmanship:* This item shall also include all costs associated with the furnishing and placement of the plant mix pavement, crushed aggregate base and asphalt tack coat on the lip of the gutter and on the edges of previously placed asphalt.

*Measurement and Payment:* Asphalt Repair will be measured by the square yard and includes all labor, equipment and material necessary for the completion of the bid item, including all costs associated with the furnishing and placement of the plant mix pavement, crushed aggregate base and asphalt tack coat on the lip of the gutter and on the edges of previously placed asphalt.

Payment for this item will be made under:

SP 08120 Asphalt Repair..... square yard (SY)

**32. SP 09022 Concrete Headwall**

*Description:* This item includes all work and costs associated with constructing concrete headwalls at the locations shown on the plans or as directed.

*Materials:* Concrete Headwall materials shall conform to applicable portions of Division 700 – Concrete of the ISPWC.

*Workmanship:* Excavation for the concrete headwall shall conform to applicable portions of Division 200 – Earthwork of the ISPWC. Construction of the concrete headwall shall conform to the applicable portions of Division 700 – Concrete of the ISPWC. Refer to ITD Standard Drawings 609-2 and 609-6 for details.

*Measurement and Payment:* Concrete Headwall will be measured per each and include all labor, equipment and material including excavation, excavation support, forming, concrete, reinforcement, and backfill necessary for completion of the bid item.

Payment for this item will be made under:

SP 09022A Concrete Headwall..... each (EA)  
SP 09022B Concrete Headwall..... each (EA)

**33. SP 20003 Temporary Construction Fencing**

*Description:* This item includes all work and costs associated with constructing and maintaining temporary construction fencing at the locations shown on the plans or as directed. This item also includes removing and disposing of the fence at the completion of construction or when directed.

*Materials:* Temporary construction fencing shall be safety orange plastic construction fencing four (4) feet in height, such as DG Industries PSF Series Plastic Fence or approved equal.

*Workmanship:* Temporary construction fencing shall be attached to steel posts at a maximum spacing of eight (8) feet on center and plumb. The fencing shall be installed in a manner to contain children and pets on the properties adjacent to the construction area.

*Measurement and Payment:* Temporary Construction Fencing will be measured per linear foot of fence constructed and includes all labor, equipment and material necessary for the completion of the bid item. Routine maintenance of the temporary construction fencing shall be necessary and is considered incidental to this item. The costs for fence maintenance and removal and disposal of the fence are incidental to this bid item.

Payment for this item will be made under:

SP 20003      *Temporary Construction Fencing .....linear foot (LF)*

**34.    SP 20110      Concrete Block Wall with Brick Veneer**

*Description:* This item includes all work and costs associated with constructing concrete block wall with brick veneer at the locations shown on the plans or as directed.

*Materials:* Concrete block wall materials shall conform to applicable portions of ISPWC Section 703 – Cast-in-Place Concrete, with Class 3000 concrete mix. Concrete Block shall be standard concrete blocks size 16"x8"x8". Brick shall be standard color red bricks size 3-5/8" x 2-1/4" x 8". The Contractor shall submit samples to NHD for approval prior to ordering materials. Grout mix design shall be approved by NHD prior to installation.

*Workmanship:* Excavation for the concrete block wall shall conform to applicable portions of Division 200 – Earthwork of the ISPWC. Construction of the concrete block walls shall conform to the applicable portions of ISPWC Section 703 – Cast-in-Place Concrete. The Contractor shall apply a rubbed surface (sack) finish to the concrete cap.

*Measurement and Payment:* Concrete Block Wall with Brick Veneer will be measured per linear foot along the face of wall and include all labor, equipment and material including excavation, excavation support and shoring, forming, concrete, grout, reinforcement, concrete block, brick, mortar, concrete cap, drain rock, pvc weep holes, filter fabric, and backfill necessary for completion of the bid item.

Payment for this item will be made under:

SP 20110      *Concrete Block Wall with Brick Veneer.....linear foot (LF)*

**35.    SP 20200      Survey**

*Description:* Survey includes scheduling, coordinating, and providing all construction surveying, staking, quantity computations for pay items requiring area, volume, and linear measurement, field and plan measurements, and calculations essential for the completion of the project and to properly control the work in its entirety. Perform all work in accordance with the plans and specifications and standard engineering and surveying practices under the responsible charge of a Professional Land Surveyor as required by Idaho Code.

*Existing survey monuments.* Reference all public and private land survey monuments that are in jeopardy by construction activities prior to activities, under the responsible charge of a Professional Land Surveyor licensed in the State of Idaho, and reestablish such monuments at no additional cost to NHD before project completion. PSS or Public Land Corners reset after construction shall include corner perpetuations and filing with appropriate county. Perform all monument work in accordance with Title 55, Chapter 16 of the Idaho State Code. Monuments found during construction, but not shown on the contract plans, and must be reset, shall be paid under the Directed Survey item.

*Materials:* Furnish acceptable tools, supplies, and stakes of the type and quality normally used in highway survey work and suitable for the intended usage. Furnish stakes and hubs of sufficient length to provide a solid set in the ground with sufficient surface area above ground for necessary legible markings.

Remove and dispose of all flagging, lath, stakes, and other staking material after the project is complete.

*Flagging.* Fluorescent paint and/or mark with plastic flagging the top 2 in. of all stakes with the following fluorescent colors:

| Type:                    | Stake with:                   | Color:               |
|--------------------------|-------------------------------|----------------------|
| Centerline               | Hub w/ tack or PK nail in     | White                |
| Centerline Reference     | Hub w/ tack and lath          | Red, White, and Blue |
| Benchmark                | Solid permanent point w/ lath | White and Blue       |
| Slope Stake              | Stake and lath                | White                |
| Reference to Slope Stake | Hub w/ tack and lath          | Red and White        |
| Grade (Finish) Stake     | Grade stake w/ stake chaser   | Blue                 |
| Right of Way Limit       | Lath                          | Orange               |
| Clearing Limits          | Lath or flagging              | Orange and White     |
| Gas Lines; Petroleum     | Hub w/ guard stake and lath   | Yellow               |
| Drain Lines; Sewers      | Hub w/ guard stake and lath   | Green                |
| Water Lines; Irrigation  | Hub w/ guard stake and lath   | Blue                 |
| Conduit                  | Hub w/ guard stake            | Red                  |

Notes: Color standards may vary when utilities have been located by Digline. Mark all reference stakes with the color of the referred item (e.g. red for conduit).

*Workmanship:* Establish construction survey points, elevations, and grades as necessary to control, layout and complete the work including, but not limited to: centerlines, benchmarks (BMs) and temporary benchmarks (TBMs), culverts, sewers, waterlines, slopes, subgrade, base course, paving, structures, forms and falsework, pile layout and appurtenances, channels and appurtenances, and erosion control; and any curb, curb and gutter, sidewalk, barrier, illumination, signalization, delineation, signs, foundations and right of way, monuments, traffic control both temporary and permanent, pavement markings, approaches, and any other points, elevation and grades deemed necessary for proper control of the work. Clear the survey line to facilitate surveying and remove clearing slash from the travel or work area. Cut all brush and trees flush to the ground. Minimize removal unless area is to be cleared and grubbed during construction.

Check all control surveying and staking to ensure specified tolerances are met prior to use.

Calculate all grades, elevations, offsets, and alignment data necessary for staking and/or setting items of work. The Contractor may request approval for alternate methods of establishing grade control with wire lines, computer or laser controlled grading equipment, or other suitable methods.

The Contractor is responsible for survey and control of the work and for correcting Contractor errors at no additional cost, whether the errors are discovered during the actual survey work or in subsequent phases of the project. Any cost overruns resulting from Contractor errors shall be at no expense to NHD.

The work may be spot checked for accuracy and unacceptable portions of work may be rejected. The Contractor shall resurvey rejected work and correct work that is not within the specified tolerances at no additional expense to NHD.

*Discrepancy notification.* Complete a preliminary check of the plans and specifications prior to beginning construction. Immediately notify the Engineer of any discrepancies or deficiencies including discrepancies in grade, elevations, alignment, locations, and/or dimensions.

Compare staked cut and fill depths with the contract plans. Refer to the Engineer differences found between the horizontal or vertical alignment data shown on the drawings and the alignment observed on the ground during progress of the work not immediately correctable or requiring interpretation.

*Record of Survey.* Comply with Title 55, Chapter 19 of the Idaho State Code to conduct a Record of Survey. This includes setting all the monumentation for the new right-of-way and centerline, as well as drafting the multiple page Record of Survey and Recording with Canyon County, as well as any other documentation, such as CP&F records, that may need to be recorded.

*Length verification.* Field verify lengths of pipe, pipe culvert, barrier, pipe siphon, and sign posts at an appropriate time and in accordance with Subsection 106.02.

*Stake maintenance and marking.* Maintain all reference stakes, benchmarks, slope stakes, slope reference stakes, clearing limits, and culvert reference stakes, grade stakes, curb, curb and gutter, radii and other stakes necessary for the work until the construction has been completed and accepted. Mark all survey stakes with station, elevation, and offset referenced to their respective control line. Legibly mark all stakes. Renew illegible stakes at no additional cost to NHD. Mark slope, reference, and guard stakes with station.

*Centerline reestablishment.* Reestablish centerline from instrument control points. The maximum spacing between centerline points is 25 ft. when centerline curve radius is less than or equal to 500 ft. When the centerline curve radius is greater than 500 ft., the maximum distance between centerline points is 50 ft. Reestablish centerline as many times as necessary to construct the work. Points to be reestablished include, but are not limited to:

|     |                                   |
|-----|-----------------------------------|
| PI  | Point of Intersection of Tangents |
| PC  | Point of Curvature                |
| POC | Point on Curve                    |
| PT  | Point of Tangency                 |
| POT | Point on Tangent                  |
| RP  | Reference Point                   |
| "L" | L-Line (Final Location Line)      |
| BM  | Benchmark                         |
| TBM | Temporary Benchmark               |

*Control points and survey tolerances.* Relocate initial horizontal and vertical control points in conflict with construction to areas not to be disturbed by construction operations. Furnish the coordinates and elevations for the relocated points before the initial points are disturbed.

*Establish and check benchmarks.* Protect benchmarks from construction activities. All benchmarks shall allow a level rod to stand vertically and squarely on the mark and shall be referenced to centerline and horizontal measurements.

Establish alignment points at all PCs, PTs, and stations on the alignment spaced no further than 50 ft., at significant breaks in the ground, at drainage structure locations, and at approaches. Mark stakes on the side facing the initial station of the project.

Survey and establish controls within the following tolerances:

| Description                                     | Horizontal   | Vertical     |
|---|--------------|--------------|
| Control points                                  | +/- 0.01 ft. | +/- 0.01 ft. |
| Centerline points including references          | +/- 0.02 ft. | +/- 0.02 ft. |
| Cross sections and slope                        | +/- 0.10 ft. | +/- 0.10 ft. |
| Slope stake references                          | +/- 0.10 ft. | +/- 0.05 ft. |
| Culverts, ditches and minor drainage structures | +/- 0.10 ft. | +/- 0.03 ft. |
| Retaining walls                                 | +/- 0.05 ft. | +/- 0.02 ft. |
| Bridge substructure components and overall      | +/- 0.02 ft. | +/- 0.02 ft. |
| Bridge superstructure components and overall    | +/- 0.02 ft. | +/- 0.02 ft. |
| Clearing and grubbing limits                    | +/- 1.0 ft.  | -----        |
| Right of way limits                             | +/- 0.10 ft. | -----        |
| Roadway subgrade finish stakes                  | +/- 0.10 ft. | +/- 0.03 ft. |
| Roadway finish grade stakes                     | +/- 0.10 ft. | +/- 0.02 ft. |
| Paving reference line                           | +/- 0.04 ft. | +/- 0.02 ft. |
| Description                                     | Horizontal   | Vertical     |
| Control points                                  | +/- 0.01 ft. | +/- 0.01 ft. |
| Centerline points including references          | +/- 0.02 ft. | +/- 0.02 ft. |

Coordinate the survey tolerances of any items not listed above with the Engineer.

*Clearing and right-of-way limits.* Stake clearing limits on both sides of centerline at each established station. Locate the clearing limit on the ground as shown by the cut and fill limits on the plans. Stake right of way limits every 100 ft. on tangents, every 50 ft. on curves and at all right-of-way breaks.

*Slope stakes and references.* All slope stakes and stakes for setting items for work shall have reference stakes. Maintain the reference stakes for the duration of the project until approved for removal. Establish and set slope stakes and references on both sides of centerline at cross-section locations. Establish slope stakes in the field as the actual point of intersection of the design slope with the natural ground line. Record the following information on the slope stake; cut(C) or fill (F) from catch to subgrade shoulder (SGS), distance to SGS, distance to center line, and design slope (4:1). Set slope stake references outside the clearing limits. Include all slope stake information on the reference stakes including the horizontal and vertical distance from the reference stake to the catch (slope stake). Record the station on the back side of the slope and reference stakes.

*Grade finishing stakes.* Set grade finishing stakes, for grade elevations and horizontal alignment: on centerline, the center of each travel lane, on each shoulder at roadway cross-section locations and between centerline and shoulder with a maximum spacing of 15 ft. Set stakes at the top of subgrade and the top of each aggregate course.

Where turnouts are constructed, set stakes on centerline, each normal shoulder, and the shoulder of the turnout. In parking areas, set hubs at the center and along the edges of the parking area. Set stakes in all ditches to be paved.

The maximum spacing between stakes in any direction is 50 ft. Use brushes or guard stakes at each stake. Reset grade finishing stakes as many times as necessary to construct the subgrade and each aggregate course.

*Drainage structures.* Stake drainage structures to fit field conditions and in coordination with the Engineer. The location of the structures may differ from the plans. Perform the following:

1. Survey and record the ground profile along centerline of structure.
2. Determine the slope catch points at inlets and outlets.
3. Set reference points and record information necessary to determine structure length and end treatments.
4. Stake ditches or grade to make the structure functional.
5. Plot the profile along centerline of the structure to show the natural ground, the flow line, the roadway section, and the structure.
6. Submit the plotted field-design cross-section final structure length and alignment.
7. Mark guard stakes with the following, when applicable:
  - a. Diameter, length, and type of culvert; i.e. 18 in. x 36 ft. corrugated metal pipe (cmp),
  - b. The vertical and horizontal distance from the hub to the invert at the end of the culvert or any intermediate point as needed or directed.
  - c. Flow line grade of the pipe.
  - d. Pipe camber.
  - e. Station.
  - f. Elevation.
8. Storm sewers and waterlines: provide a reference at a maximum spacing of 50 ft. Reference inverts of pipe at all manholes.

*Retaining walls.* Survey and record profile measurements along the face of the proposed wall and 5 ft. in front of the wall face. Take cross-sections every 15 ft. along the length of the wall and at all major breaks in terrain. For each cross-section, measure and record points every 15 ft. and at all major breaks in terrain. Set adequate references and horizontal and vertical control points.

*Curb and gutter.* **Set curb and gutter staking at every horizontal and vertical point noted on the roundabout grading plans and profiles.** Outside of the alignment plan and profiles, set curb and gutter staking at minimum 25 ft. intervals on tangent and minimum 10 ft. intervals on curve radii. Set line and grade for curb and gutter to the nearest 0.01 ft. of the proposed or established grade line. Set radius points as defined on the plans.

*Pavement Markings.* Mark pavement marking locations with tabs or paint marks on the finished plant mix surface for every PC, PT, POC, and tangent point identified on the Signing and Pavement Marking Plans.

*Measurement and Payment:* Survey will be measured on a lump sum basis.

Payment for this item will be made under:

SP 20200 Survey.....lump sum (LS)

**36. SP 20201 Directed Surveying**

*Description:* Directed surveying includes all work needed for changes and extra work. Prior written authorization documenting the affected work and requirements is necessary before performing work under these items. All requirements under SP 20200 Survey apply.

*Materials:* All requirements under SP 20200 Survey apply.

*Workmanship:* All requirements under SP 20200 Survey apply.

*Measurement and Payment:* Directed Surveying Field Crew will be measured by the hour authorized for the survey field crew with travel time to and from the project considered incidental to these items. Directed Surveying Office Computations will be measured by the hour authorized.

Payment for this item will be made under:

SP 20201A Directed Surveying Field Crew..... hour (HR)  
SP 20201B Directed Surveying Office Computations..... hour (HR)

**37. SP 25050 4" Topsoil**

*Description:* This item includes all work and costs associated with installing 4" of compacted topsoil in the areas as shown on the construction plans or as directed.

*Materials:* Topsoil shall be friable, fertile, agricultural soil, containing normal amounts of macro and micronutrients capable of sustaining vigorous plant growth. It shall be of

uniform composition throughout, without admixture of subsoil. It shall be free of stones 1" (one inch) or larger, lumps, sticks, live plants and their root, and other extraneous matter. It shall not be infested with nematodes or other pest or disease organisms. It shall be free of seed of noxious weeds and other material detrimental to vegetative growth. NHD reserves the right to request soil samples be tested at the Contractor's expense to verify the topsoil is capable of sustaining vigorous plant growth.

*Workmanship:* Topsoil shall not be placed in its final position until the areas to be covered have been properly prepared and grading operations in the area have been substantially complete. Topsoil shall be placed and spread at locations shown on the plans and thickness of topsoil placement shall be 4" (four inches) when compacted.

*Measurement and Payment:* 4" Topsoil will be measured by the square yard and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 25050     4" Topsoil ..... square yard (SY)

**38.     SP 25080     Remove and Reset Mailbox**

*Description:* This item includes all work and costs associated with removing existing mailboxes and supports, making temporary arrangements to assure uninterrupted mail service during construction, and installing new mailboxes and supports as shown on the plans or as directed.

*Materials:* All materials shall conform to the ISPWC except as noted herein. Mailbox post support and foundation shall conform to Section 1105 for a D-1 (4-inch by 4-inch) wood post. Mailboxes shall be Postmaster General approved.

*Workmanship:* The existing mailbox and support shall be removed and returned to the owner. A new mailbox, the same size and shape as existing, shall be furnished and installed on a wood post support and foundation. The name and address as shown on the existing mailbox shall be placed on the new mailbox. Should the owner be satisfied with the condition of the existing mailbox, the Contractor may reinstall the existing mailbox. The final location will be marked in the field by the Engineer.

Mail service shall not be disrupted. Access to mailbox shall be provided at all times. An acceptable temporary mailbox stand may be installed by the Contractor during construction operations prior to installation of the new mailbox and support.

*Measurement and Payment:* Remove and Reset Mailbox will be measured per each new and final post installation and includes all labor, equipment and material necessary for the completion of the bid item, including all work necessary to assure uninterrupted mail service during construction. The accepted quantity for Remove and Reset Mailbox will be paid at the contract unit price for the item listed below. The cost of the temporary mailbox and support is considered incidental to this bid item and no additional payment will be made.

Payment for this item will be made under:



SP 25080 Remove and Reset Mailbox..... each (EA)

**39. SP 29055 Hydroseed**

*Description:* This item includes all work and costs associated with hydroseeding in the areas designated on the plans or as directed.

*Materials:* Hydroseeding shall consist of furnishing and installing, seed, fertilizer, mulch, and water using the hydroseeding method. Seed shall be a dry land grass mixture prepared by a local nursery appropriate for the Treasure Valley. Application rate of the seed mixture shall be 16 lbs/acre.

Each variety of seed shall be tested seed from the latest crop available, and shall be delivered in standard sealed containers labeled in accordance with State and Federal Laws. The label shall show the variety of seed, the percentage of germination, purity and weed content. All varieties of seed shall have a minimum tested germination of 85% and contain a minimum of 80% pure seed by weight. Seed shall not be agitated in the hydro-seeder over 30 minutes.

Fertilizer shall be of any standard brand suitable for use with the hydroseeding method, furnished in moisture proof bags. Each bag shall be marked with the weight and manufacturer's analysis of the ingredients. Fertilizer shall contain a minimum of 22% available nitrogen. Fertilizer shall be applied uniformly at 440 pounds per acre. Fertilizer shall not be mixed with the seed in the hydro-seeder.

Mulch shall be a wood fiber mulch commonly used in the hydroseeding process. Mulch shall be applied at a rate of 2,000 lbs/acre.

Contractor shall provide certification for hydraulically applied erosion control products from the manufacturer that the materials are nontoxic to animals, soil microorganisms, aquatic and plant life, and will not interfere with or impede seed germination or vegetative growth and establishment.

*Workmanship:* Seeding shall be performed only at times when local weather conditions are favorable for growth, which normally will occur between September 15 and November 30, or between February 15 and May 15. The Contractor shall be responsible to protect and maintain the seeded areas until germination, including watering if necessary.

*Measurement and Payment:* Construction limits for this item shall be as shown on the plans. Any hydroseeding restoration required beyond the specified construction limits shall be made by the Contractor at his expense and no separate payment will be made, unless additional areas are as directed.

Hydroseeding will be measured per square yard and includes all labor, equipment and material necessary for the completion of the bid item. The accepted quantity of Hydroseeding will be paid at the contract unit price for the item listed below.

Payment for this item will be made under:

SP 29055    *Hydroseed*..... *square yard (SY)*

**40.    SP 29060    Landscape Rock (with Weed Barrier)**

*Description:* This item includes all work and costs associated with furnishing and placing decorative landscape rock over weed barrier at the locations shown on the plans or as directed.

*Materials:* The decorative landscape rock shall be 1.5” nominal size and known locally as “southwest blend” landscape rock. The weed barrier shall be a Type I riprap/erosion control geotextile per the ISPWC Division 2050.

*Workmanship:* Contractor shall level the surface to a depth of 4.5” below the height of adjacent curb. Weed barrier shall be set and tacked in place with landscape pins. A minimum 4” depth of decorative landscape rock shall be placed over the geotextile weed barrier. Metal borders shall be placed where need to separate different colors of landscape rock or other landscape features.

*Measurement and Payment:* Landscape Rock will be measured per square yard and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 29060    *Landscape Rock (with Weed Barrier)* ..... *square yard (SY)*

**41.    SP 29065    Sod Repair**

*Description:* This item includes all work and costs associated with repairing lawn areas with sod as shown on the plans or as directed.

*Materials:* Topsoil shall be per SP 25050.

Fertilizers shall comply with the following chemical analysis:

- 15% to 20%    Nitrogen (N)
- 20% to 25%    Phosphorous (P2O5)
- 2% to 10%    Potassium (K2O)

Sod shall consist of Merrion, Parks, Delta or Windsor Kentucky Bluegrass or combinations of approved fine textured grasses suitable for the area to be sodded and closely matching adjacent grass.

Sod repair shall take place only in those disturbed areas which currently have established lawns, or as shown on the project plans or directed by the Engineer.

*Workmanship:* The lawn areas shall be tilled to a minimum depth of 6 inches by such means as will loosen the soil and bring it to condition suitable for fine grading. Prior to and during the operation, the surface shall be made free of vegetative growth. All stones, hard clods, roots, sticks, debris and other matter encountered during tilling which are detrimental to the preparation of a good seed bed, or which are toxic to the growth of grass, shall be removed. Four inches of topsoil shall then be placed under the areas to

receive sod. The area shall be floated and rolled to bring it to the finished grade. All irregularities in the surface that form pockets where water will stand shall be smoothed out to provide good drainage. The finished grade of lawn area adjacent to walks, curbs, driveways and pavements shall be approximately 1 inch below adjacent grades.

Fertilizers shall be spread evenly over the cultivated areas at a rate of 4 pounds per 1,000 square feet and shall be uniformly incorporated into the upper 3 inches of the soil, after which the areas shall be worked as necessary to provide a smooth, firm but friable lawn bed at the established grades.

Sod shall be placed in straight strips. The joints between strips shall be butted together, tight and without gaps. Sod shall be placed in a manner to stagger the end joints of the rolls. The sod shall be rolled with a 100-pound roller after placement. The surface of the finished sod shall be smooth, uniform and mowable.

The Contractor shall supply a letter to the property owner once the sod is installed notifying them the sod is installed and giving them a suggested watering schedule. Contractor shall notify property owner in writing if property owner is not following the suggested watering schedule. A copy of the letter will be forwarded to the Engineer.

*Measurement and Payment:* Lawn areas outside the construction limits that are damaged by the Contractor shall be repaired in accordance with this special provision at the Contractor's expense.

Sod Repair will be measured per square yard of ground surface on which sod is installed and includes all labor, equipment and material necessary for the completion of the bid item. Topsoil shall be measured and paid as a separate bid item.

Payment for this item will be made under:

SP 29065 Sod Repair ..... square yard (SY)

**42. SP 29067 Repair Landscaping**

*Description:* This item includes all work and costs associated with repairing the existing landscaping at locations shown on the plans or as directed.

*Materials:* All materials shall conform to the ISPWC, if applicable, and shall be equal to, or of better quality than, existing materials. Materials may include landscape edging, landscaping bark, perma-bark, small bushes, trees smaller than 2-inch caliper, various annuals, perennials and grasses or other plants and materials as required.

*Workmanship:* The Contractor shall photograph the landscape repair areas prior to construction to document the existing landscaping and shall furnish copies of the photos to NHD prior to commencing landscape repair. The Contractor shall replace landscaping to equal or better condition.

*Measurement and Payment:* Repair Landscaping will be measured by the square yard and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 29067     *Repair Landscaping* ..... square yard (SY)

**43.    SP 29070     Remove and Reset Landscape Timber**

*Description:* This item includes all work and costs associated with removing and resetting existing landscape timbers in the locations shown on the plans or as directed.

*Materials:* Materials consist of salvaged materials from landscape timber removal and new materials, which shall match as closely as possible the existing materials and shall meet or exceed the quality of the original materials

*Workmanship:* The existing landscape timbers shall be removed and safely stored on site. The contractor shall use caution when removing the existing landscape timbers in order to reuse existing material. If an instance arises that a portion of timber needs to be replaced, the contractor is responsible for all costs and expenses that should arise in each occurrence.

Timbers will be reinstalled in the locations shown on the plans. Place timbers on 2" of Crushed Aggregate for Base, Type 1. The landscape timbers shall be reset to their original condition, or a condition that's agreeable to both the engineer and property owner.

*Measurement and Payment:* Remove and Reset Landscape Timber will be measured per linear foot and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 29070     *Remove and Reset Landscape Timber* .....linear foot (LF)

**44.    SP 29090     Trim Tree**

*Description:* This item consists of furnishing all labor, equipment and material necessary to trim existing tree branches and prune roots at the location shown on the plans, as directed in these specifications, or as directed by the Engineer. In general, tree trimming shall be kept to a minimum to establish clearance for sidewalks, bike lanes, and travel lanes, and to provide a balanced looking tree when completed.

*Workmanship:* Contractor shall coordinate the work with the Engineer prior to commencing trimming. Tree trimming and root pruning shall be performed under the direct on-site supervision of a licensed arborist.

Trim existing tree branches that hang over the sidewalk areas that are less than eight feet above the finished elevation. Prune tree roots within 3 inches of the back of curb to a depth of 18 inches. Trees to be trimmed and pruned will be identified on the plans or identified by the Engineer.

*Measurement and Payment:* Trim Tree will be measured per each tree trimmed and includes all labor, equipment and material necessary for the completion of the bid item.

Payment for this item will be made under:

SP 29090 Trim Tree..... each (EA)

**45. SP 29093 Remove Tree 6”+**

*Description:* This item includes all work and costs associated with the removal of trees measuring 6 inches or more in diameter, measured 2 feet above the ground.

*Workmanship:* The entire tree shall be removed, including the stump and roots, or if removal of the roots could damage nearby structures or utilities, the Contractor shall grind up the stump and shallow roots. Grinding operations shall be included in the unit contract price for this item.

*Measurement and Payment:* The removal of trees less than 6 inches in diameter and all stumps will not be paid for separately but are considered as incidental to the work of removal of obstructions. Trees for removal will be marked in the field by the Engineer prior to removal.

Payment for this item will be made under:

SP 29093 Remove Tree 6”+ ..... each (EA)

**46. SP 29101 Repair Sprinkler System**

*Description:* This item includes all work and costs associated with removing existing sprinkler systems, installing and maintaining temporary sprinkler systems during construction, adjusting/relocating existing sprinkler systems, or installing new sprinkler systems at the locations shown on the plans or as directed.

*Materials:* All materials shall conform to the ISPWC and shall be equal to, or of better quality than, existing materials.

*Workmanship:* Prior to commencement of construction, the Contractor shall document the locations of existing sprinkler systems within the construction zone. Documentation shall include, but is not limited to, type and location of existing sprinkler heads, pipe, controllers, valves and control wires. Documentation shall be provided to the Engineer prior to demolition of existing sprinkler systems. Costs associated with providing documentation of existing sprinkler systems shall be considered incidental to this item.

Adjusted/relocated sprinklers shall be installed to restore adequate coverage to remaining landscape areas and new sod areas. Over-spray onto the roadway and sidewalks will not be allowed.

The Contractor shall maintain all sprinkler systems outside of the construction zone that are impacted by the Contractor’s activities. This may require the Contractor to install temporary sprinkler main lines around the construction zone. All costs associated with installing and maintaining temporary sprinkler systems and providing temporary water

during construction shall be considered incidental to this item. Contractor shall cut and cap existing lines and supplement existing systems with additional materials as necessary.

*Measurement and Payment:* Repair Sprinkler System will be measured by the linear foot of mainline pipe that is adjusted/relocated or newly installed, and includes all labor, equipment and material as necessary for completion of the bid item. Providing and adjusting of individual sprinkler heads shall be measured as ten linear feet each.

Payment for this item will be made under:

SP 29101      *Repair Sprinkler System*.....*linear foot (LF)*