

# Linn County Road Department Certified Agency Manual

## **Section 8**

### **Phase VI - Construction Contract Administration**

## CONSTRUCTION AND CONSTRUCTION ADMINISTRATION PROCEDURES FOR FEDERAL AID PROJECTS

Project Name: \_\_\_\_\_

Project No.: \_\_\_\_\_

Key No.: \_\_\_\_\_

Federal Aid No.: \_\_\_\_\_

**Legend:** F= File PM= Project Manager C= Contractor L= Local Liason DBE= Disadvantaged Business Enterprise RAS= Region Assurance Specialist

| INITIAL             | DATE COMPLETE | WHO INITIATES     | COPY SENT TO: | TASK  |
|---------------------|---------------|-------------------|---------------|---|
|                     |               | PM                | All Attendees | 1 Coordinate Preconstruction Conference Date (must notify Liaison and OCR)                                    |
|                     |               |                   | All Attendees | 2 Send out Preconstruction Conference letter, agenda and safety questionnaire                                 |
|                     |               |                   | F             | 3 Conduct Preconstruction Conference (official minutes or recording)  |
|                     |               |                   | All Attendees | 4 Send written summary of meeting minutes   |
|                     |               | C                 | DBE           | 5 Submit DBE Work Plan Proposal Form 3A, Form 734-2165A (for ALL DBE's)                                       |
|                     |               | DBE               | F, PM         | 6 Submit Signed DBE Work Plan Proposal Form 3A, Form 734-2165A (for ALL DBE's)                                |
|                     |               | PM                | F, L, DBE     | 7 Sign and Submit DBE Work Plan Proposal, Form 734-2165A (if goal not zero)                                   |
|                     |               | C                 | PM            | 8 Submit MWESB Work Plan Proposal   |
|                     |               | PM                | F, L, DBE     | 9 Sign and Submit MWESB Work Plan Proposal  |
|                     |               | C                 | F, PM         | 10 Submit Schedule of Values for Lump Sum Items (at pre-con)  |
|                     |               |                   | F, PM         | 11 Submit Training Program Form, Form 731-0335 (at pre-con, if applicable)                                    |
|                     |               |                   | F, PM         | 12 Submit 2 copies of signed subcontract(s) (180.21) (copies to ODOT & OM)                                    |
|                     |               |                   | PM            | 13 Submit Contractor's Request for Subcontract Consent, Form 734-1964   |
|                     |               | PM                | F, L          | 14 Complete the Subcontractor Consent Checklist, Form 734-2518  |
|                     |               |                   | F, C, L       | 15 Sign Contractor's Request for Subcontract Consent, Form 734-1964   |
|                     |               |                   | F, L, DBE     | 16 Complete and Submit Report on Contractor's Request for Subcontract Consent, Form 734-1395                  |
|                     |               | DBE               | F, L          | 17 Submit Subcontractor Consent (for any DBE Firms)   |
|                     |               | PM                | F, L          | 18 Complete Initial Quarterly Report, Form 734-2590   |
|                     |               | C                 | PM            | 19 Submit OJT Training Program Form, Form 731-0335  |
|                     |               | PM                | F, OCR        | 20 Submit OJT Training Program Form, Form 731-0335  |
|                     |               | C                 | PM            | 21 Submit Apprentice/Trainee Approval Request, Form 731-0294  |
|                     |               | PM                | F, OCR        | 22 Submit Apprentice/Trainee Approval Request, Form 731-0294  |
|                     |               | C                 | PM            | 23 Submit Apprentice/Trainee Monthly Progress Report, Form 731-0332   |
|                     |               | PM                | F, OCR        | 24 Submit Apprentice/Trainee Monthly Progress Report, Form 731-0332   |
| <b>Construction</b> |               |                   |               |   |
| PM                  |               | F, C, L, OCR, RAS | 1             | Issue Notification of Commencement and Completion, Form 734-3233 (1st Notification)(at installation of signs) |

**Legend:** F= File PM= Project Manager C= Contractor L= Local Liason DBE= Disadvantaged Business Enterprise RAS= Region Assurance Specialist

| INITIAL | DATE COMPLETE | WHO INITIATES | COPY SENT TO: | TASK   |
|---------|---------------|---------------|---------------|--|
|         |               |               |               | <b>Construction Cont.</b>  |
|         |               | C             |               | 2 Complete TP&DT Daily Report, Form 734-2474   |
|         |               |               | F, PM         | 3 Submit Material Certifications, Form 734-2126 for Certificate of Materials Origin                                |
|         |               |               | F, PM         | 4 Submit Material Testing Documents  |
|         |               |               | F, PM         | 5 Submit ODOT Apprentice/Training Approval Request, Form 731-0294 (if applicable)                                  |
|         |               |               | F, PM         | 6 Submit ODOT Apprentice/Training Monthly Progress Record, Form 731-0335 (if applicable)                           |
|         |               |               | F, PM         | 7 Submit Weekly Erosion Control Monitoring, Form 734-2361 (should be included with 1st certified payroll)          |
|         |               |               | F, PM         | 8 Submit Weekly Certified Payroll BOLI (WH-38) - Civil Rights Website (labor compliance Forms)                     |
|         |               |               | F, PM, L      | 9 Submit Monthly Employment Utilization Report, Form 731-0394 by 10th of month (contracts/subcontracts over \$10K) |
|         |               |               | F, PM, L      | 10 Submit Monthly Summary Report of Subcontractors Paid, Form 734-2722 (subs also)                                 |
|         |               |               | F, PM         | 11 Submit Request for Release of Retainage for Subcontract Work, Form 734-2510                                     |
|         |               |               | F, PM         | 12 Submit Electrical Blue Sheets for Approval  |
|         |               | PM            | F             | 13 Complete General Daily Progress Report, Form 734-3474   |
|         |               |               | F             | 14 Complete Flagger and Pilot Car Receipt, Form 734-3955   |
|         |               |               | F             | 15 Complete Field Inspection Report, Form 734-3469   |
|         |               |               | F             | 16 Complete Installation Sheet, Form 734-2605 (Paynote)  |
|         |               |               | F             | 17 Complete Material Daily Progress Report, Form 734-2599 (if earthwork quantities are > 2,500 CY)                 |
|         |               |               | F             | 18 Complete Material Delivery Record and Tally Sheet, Form 734-2792  |
|         |               |               | F             | 19 Complete Weekly Statement of Contract Time Charges, Form 734-3483   |
|         |               |               | F             | 20 Obtain material Testing Documents   |
|         |               |               | F             | 21 Obtain material Certification Documents   |
|         |               |               | C             | 22 Submit Approved Blue Sheets   |
|         |               |               | F, L, OCR     | 23 Complete and Submit the DBE Commercially Useful Function Form 3B, Form 734-2165 (all DBE's on project)          |
|         |               |               | F, L          | 24 Forward Request for Release of Retainage for Subcontract Work, Form 734-2510                                    |
|         |               |               | F, L          | 25 Complete Request for Release of Retainage for Subcontract Work Checklist, Form 734-2707                         |
|         |               |               | F             | 26 Complete Test Summary for Field Tested Materials (B), Form 734-1902B  |
|         |               |               | F             | 27 Complete Test Summary for Non-Field Tested Materials (A), Form 734-1902A  |
|         |               |               | F             | 28 Complete Test Summary for Field Tested Concrete Materials (B-QA), Form 734-1902B-QA                             |
|         |               |               | F, L, RAS     | 29 Request RAS Review of project documentation   |
|         |               |               | F, L, OCR     | 30 Complete Employee Interview Report, Form 734-3475 (for ALL contractors and subcontractors)                      |
|         |               |               | F, L, OCR     | 31 Submit Employee Interview Reports and Cert Parolls (must receive signed approval from OCR)                      |
|         |               |               | F, L, OCR     | 32 Project Manager's Owner-Operator Interview Summary Report, Form 734-3581  |
|         |               |               | F, L, OCR     | 33 Submit Project Manager's Monthly EEO Report, Form 734-3858  |

**Legend:** F= File PM= Project Manager C= Contractor L= Local Liason DBE= Disadvantaged Business Enterprise RAS= Region Assurance Specialist

| INITIAL | DATE COMPLETE | WHO INITIATES | COPY SENT TO: | TASK |
|---------|---------------|---------------|---------------|------|
|---------|---------------|---------------|---------------|------|

**Construction cont.**

|  |  |    |           |    |   |
|--|--|----|-----------|----|---|
|  |  | PM | F, L, OCR | 34 | Submit Monthly Employment Utilization Report, Form 731-0394 (contracts/subcontracts over \$10K) |
|  |  |    | F, L, OCR | 35 | Submit Monthly Summary Report of Subcontractors Paid, Form 734-2722                             |
|  |  |    | F         | 36 | Review Certified Payroll, monthly   |
|  |  |    | F         | 37 | Review Quality and Quantity Documents, Monthly  |
|  |  |    | F         | 38 | Review Civil Rights Documents, Monthly  |
|  |  |    | F, C      | 39 | Complete Pre-Paving Conference, Form 734-2601   |
|  |  |    | F, C      | 40 | Prepare and sign Monthly Pay Estimate   |
|  |  |    | F, L      | 41 | Submit Certified Agency Quarterly Report, Form 734-2590   |

**Project Completion**

|  |  |    |              |   |  |
|--|--|----|--------------|---|--|
|  |  | C  | F, PM        | 1 | Complete Contractor's Construction Process Feedback, Form 734-2469A                            |
|  |  | PM | F, C, L, OCR | 2 | Issue Notification of Commencement and Completion, Form 734-3233 (2nd Notification)            |
|  |  |    | F, L         | 3 | -Issue Corrective Work Notification/ punch list items (send with 2nd Notification)             |
|  |  |    | F, C         | 4 | Request all outstanding documents  |
|  |  |    | F, C, L      | 5 | Complete and Submit Project Manager Evaluation, Form 734-2469B                                 |
|  |  |    | L            | 6 | Review documentation to verify completeness  |
|  |  |    | L            | 7 | Request RAS Review/ DRR  |
|  |  |    | F, L         | 8 | Request final inspection by ODOT staff within 15 days of completion of on-site work/punch list |

**Project Closeout**

|  |  |     |              |    |   |
|--|--|-----|--------------|----|---|
|  |  | PM  | F, L         | 1  | Submit Recommendation of Project Acceptance, Form 734-1384  |
|  |  |     | F, L, OCR    | 2  | Request labor compliance review (on-site of documents)  |
|  |  |     | F, L, OCR    | 3  | Complete Project Manager's Labor Compliance Certification, Form 734-1734 (send cert payrolls)   |
|  |  | OCR | F, PM        | 4  | Submit signed Project Manager's Labor Compliance Certification, Form 734-1735   |
|  |  | PM  | F, L, RAS    | 5  | Request final RAS review  |
|  |  |     | F, L         | 6  | Complete Final Materials Certification, Form 734-1979   |
|  |  |     | F, L         | 7  | Complete Foreign Steel Summary, Form 734-1968 (include copies of applicable CMO's)  |
|  |  |     | F, C, L, OCR | 8  | Issue Notification of Commencement and Completion, Form 734-3233 (3rd Notification)   |
|  |  |     | F, L         | 9  | Submit Final Pay Estimate   |
|  |  |     | F, L         | 10 | Submit As-Constructed Plans (within 1 year of project completion)<br>-for Bridge (Final Mylars, pile records, foundation and hydraulic reports) |

ODOT Standard Specifications and Special Provisions Submittals  
(Preconstruction Deliverables)

Project: Larwood Covered Bric

| Approved | Submitted | SPEC        | SUBMITTAL   | SPECIFICATIONS  | TIME REQUIREMENT                        |
|----------|-----------|-------------|---|---|---|
|          |           |             | <b>10 Days Prior to Preconstruction Conference</b>    |   |   |
|          |           | 00280.02    | Erosion and Sediment Control Plan                     | ESCP  | 10 days before the precon               |
|          |           | 00290.30(b) | Pollution Control Plan                                | PCP-keep on-site at all times (if applicable, 296.04)                   | 10 days before the precon               |
|          |           | 00290.34(a) | Regulated Work Area Schedule                          | water work period   | 10 days before the precon               |
|          |           | 00296.03    | Written Compliance Program for lead                   | job specific written compliance program, employee training certificates | 10 days before the precon               |
|          |           |             | <b>5 Days Prior to Preconstruction Conference</b>     |   |   |
|          |           | 00225.05    | Contractor Traffic Control Plan                       | TCP   | 5 days before the precon                |
|          |           | 00225.05(b) | TOD and Business Logo Signs Plan                      | map and description to keep in service or narrative that none exist     | 5 days before the precon                |
|          |           |             | <b>At the Preconstruction Conference</b>              |   |   |
|          |           | 00130.40(e) | Taxpayer Identification Number                        | Form W-9  |   |
|          |           | 00130.40(f) | Office of Civil Rights Forms                          | Copy of the Subcontractor Solicitation and Utilization Report           |   |
|          |           | 00180.41    | Project Work Schedule                                 | schedule of the proposed work from start to completion                  | at the precon                           |
|          |           |             | List of Subcontractors                                |   | at the precon                           |
|          |           |             | List of suppliers                                     |   | at the precon                           |
|          |           |             | List of Lump Sum items with a breakdown of unit costs |   | at the precon                           |
|          |           |             | Linn County Safety Questionnaire                      |   | at the precon                           |
|          |           | 00195.12(d) | Steel Materials Pay Item Selection                    | selecting for participation in the program                              | within 7 Calendar Days after the precon |
|          |           | 00960.02    | Equipment List and Drawings                           | list of materials, Wiring diagrams, technical information               | Within 30 days of executed Contract     |

KN17741

ODOT Standard Specifications and Special Provisions Submittals  
(Construction Deliverables)

Project: Larwood Covered Bric

| Approved | Submitted | SPEC          | SUBMITTAL  | SPECIFICATIONS   | TIME REQUIREMENT                                 |
|----------|-----------|---------------|--|--|--|
|          |           |               | <b>30 Days Prior to Installation/Application</b>   |  |  |
|          |           | 00220.45      | Stamped Loading Calculations and Data              | Load Restrictions on Bridges   | 30 Calendar Days before loading                  |
|          |           | 00290.42      | WCP, Stamped Drawings                              | Work Containment Plan and System                                     | 28 Calendar Days prior to mob for bridge removal |
|          |           | 00501.03      | Bridge Removal Submittals                          | unstamped bridge removal, loading, transportation and unloading plan | 30 Calendar days                                 |
|          |           |               | <b>21 Days Prior to Installation/Application</b>   |  |  |
|          |           | 00510.03      | Cofferdam plans and design calculations            | Must pass inspection prior to construction commencing                | 21 Calendar days                                 |
|          |           | 00510.03      | Cofferdam Design Checklist                         |  | 21 Calendar days                                 |
|          |           | 00510.04      | Shoring plans and design calculations              | Must pass inspection prior to construction commencing                | 21 Calendar days                                 |
|          |           | 00510.04      | Shoring Design Checklist                           |  | 21 Calendar days                                 |
|          |           | 00520.22      | Drilling Equipment procedure                       | drilling equipment approval per 00520.22                             | 21 calendar days                                 |
|          |           | 00520.43(f)   | Steel pile splices                                 | submit for approval their number, location and details               |  |
|          |           | 00520.43(f-2) | Mechanical Splices                                 | unstamped working drawings   | 21 Calendar days                                 |
|          |           | 00550.03      | Precast Concrete Members drawings/calcs            | stamped design calcs, working drawings, specs                        | 21 Calendar days                                 |
|          |           | 00540.41(a)   | Stamped falsework plans and design calculations    |  | 21 Calendar Days                                 |
|          |           | 00540.41(a)   | Falsework Design Checklist                         |  | 21 Calendar Days                                 |
|          |           | 00550.02      | detensioning sequence                              | for girders and slabs  | 21 Calendar Days                                 |
|          |           | 00560.03      | stamped working drawings of fabricated steel items | stamped working drawings, obtain approval prior to placing order     | 21 Calendar Days                                 |
|          |           | 00560.03      | Steel sheet pile stamped working drawings          | stamped working drawings, obtain approval prior to placing order     | 21 Calendar Days                                 |
|          |           | 00587         | Bridge Rails working drawings                      | requirements   | 21 Calendar Days                                 |
|          |           | 00813.02      | Steel Backed Timber Guardrail working drawings     | unstamped working drawings for post connection detail                | 21 Calendar Days                                 |

ODOT Standard Specifications and Special Provisions Submittals  
(Construction Deliverables)

| Approved | Submitted | SPEC                         | SUBMITTAL  | SPECIFICATIONS   | TIME REQUIREMENT  |  |
|----------|-----------|------------------------------|--|--|---|--|
|          |           | 00220.03(b)                  | Written closure schedules                            | <b>14 Days Prior to Installation/Application</b><br>submit for approval per 220.03<br>Design Checklist   | Lanes - 7 calendar days; Roads - 14 calendar days         |  |
|          |           | 00250.03                     | Detour Bridge design checklist                       |  | 14 calendar days  |  |
|          |           | 00250.03                     | Detour Bridge drawings and calcs                     |  | 14 calendar days  |  |
|          |           | 00520.20(d-1)                | Pile Driving Equipment Data Form                     |  | 14 calendar days  |  |
|          |           | 00520.20(d-1)                | Sheet Pile Driving Equipment Data Form               | 14 calendar days   |   |  |
|          |           | 00530.42(c-1)                | Grout sleeve mechanical splice installation plan     | accordingly  | 14 calendar days  |  |
|          |           | 00560.20                     | Steel Fabrication Notice                             | notify Engineeri prior to fabrication of materials   | 14 calendar days  |  |
|          |           | 02001.30                     | Concrete Mix Design, Structural                      | new or current mix designs, prepared by a CCT, for structural concrete   | 14 calendar days  |  |
|          |           | 02001.30                     | Concrete Mix Design, Commercial                      | new or current mix designs, prepared by a CCT, for structural concrete   | 14 calendar days  |  |
|          |           | 00539.40(c)                  | Crack Seal pre-Placement Meeting                     | <b>10 Days Prior to Installation/Application</b><br>applying the sealer, and broadcasting the sand<br>applying the membrane, and placing an aggregate coating when it is<br>proposed JMF and supporting data and results of performane testing | 10 calendar days before applying the sealer               |  |
|          |           | 00592.40(c)                  | Spray Membrane pre-Placement Meeting / Procedure     |  | 10 days before applying each membrane                     |  |
|          |           | 00744.13                     | Job Mix Formula design and data                      |  | 10 calendar days before anticipated use                   |  |
|          |           | <b>Before Beginning Work</b> |  |  |   |  |
|          |           | 00250.03                     | Preinstallation conference                           | temporary bridge   | Before beginning the work                                 |  |
|          |           | 00250.44                     | On-site inspection                                   | open temp bridge to traffic  | Before beginning the work                                 |  |
|          |           | 00406.41(a)                  | Tunneling  | stamped working drawings: see spec for list  | Before beginning the work                                 |  |
|          |           | 00406.41(b)                  | Boring and Jacking                                   | unstamped working drawings: see spec for list  | Before beginning the work                                 |  |
|          |           | 00445.74                     | Video Inspection of Sanitary and Storm Sewers        | audio-visual recordings and written report   | before any finish surfacing or final paving               |  |
|          |           | 00520.43(g-2)                | Pile welding Procedure and welder certs              |  | prior to welding  |  |
|          |           | 00520.43(g-2)                | Pile weld inspection report                          |  | at completion of welds                                    |  |
|          |           | 00530.11                     | Order Lists and Bending Diagrams                     | for approval   | Before ordering material                                  |  |
|          |           | 00530.42(d)                  | WPS and welder cert for reinforcement                | welded reinforcement splices   |   |  |
|          |           | 00560.26                     | welding procedure specifications for steel materials | submit welding procedure and weld certificate  |   |  |
|          |           | 00570.12                     | Unstamped drawing for prefabricated timber material  |  | before fabrication  |  |
|          |           | 00576.10                     | paint topcoat color sample                           | submit paint color sample before ordering  | before fabrication  |  |
|          |           | 00930.02                     | Sign support working drawings                        | unstamped working drawings   | prior to ordering   |  |
|          |           | 00960.30                     | Electrician license or apprentice registration       | for any electrical work on project   | prior to performing any work                              |  |
|          |           | 02140.10                     | Giulam Members                                       | submit shot details from fabricator before commencing  | prior to performing any work                              |  |
|          |           | <b>Day Specified</b>         |  |  |   |  |
|          |           | 00225.60                     | Traffic Control inspection report                    | day  | Daily   |  |
|          |           | 00290.30(a-8)                | Visual turbidity monitoring in regulated work area   | submit weekly when working in regulated work areas   | Weekly  |  |
|          |           | 00305.05                     | Survey field notes                                   | at completion  | Post-Construction   |  |
|          |           | 00305.06                     | Post construction survey                             | as-built documentation to County Surveyor's Office   | Post-Construction   |  |
|          |           | 00305.45                     | Pipes and Culverts field notes                       |  | next working day following completion of the staking work |  |



# Linn County Road Department

*Providing safe and efficient transportation to  
citizens and visitors of Linn County.*

July 19, 2013

Tom Ayres  
Tom Ayres General Contractor, Inc.  
PO Box 965  
Bend, Oregon 97709

RE: Project: *Hamilton Creek (Upper Berlin Drive) Bridge*  
Contract No. 2013-182

## **PRECONSTRUCTION CONFERENCE**

In order to make the best use of time at the Preconstruction Conference for the subject project, which has been scheduled for 10:00 a.m. on Tuesday, July 30, 2013 at the Linn County Road Department located at 3010 Ferry Street SW, Albany, OR 97321, the following items will be addressed in this letter.

This is a Federal-Aid project. The required Contract provisions for Federal-Aid construction contracts are included within the special provisions. Weekly certified payrolls must be submitted by the Prime Contractor and their Subcontractors. This will be one of the items tracked, and pay estimates may be withheld if payrolls are delinquent.

The Monthly Employment and Utilization Report (Form 731-0394) will be required from you and your Subcontractors with which you have contracts of \$10,000 or more.

The assigned DBE Aspirational Goal for this project is 0%. If a Subcontractor is a DBE firm, it is your responsibility to ensure that the DBE Subcontractors perform a commercially useful function. The Agency will be monitoring all operations throughout the on-site work.

Tom Ayres General Contractor's own organization shall perform not less than 30% of the Contract Work as awarded. Request for subcontract consent must be received, and approved by the Project Manager prior to the beginning of work by the Subcontractor.

All Contract work is to be completed on or before November 30, 2013. A notice of any delay, regardless of cause or fault that will delay project completion must be submitted within seven (7) Calendar Days of when the delay is known. Upon receipt of such notice, the Agency will promptly review and investigate to determine measures available to mitigate the delay.

The Standard Specifications Section 00180.80 provide for adjustment of Contract Time under certain restrictive conditions. Please submit requests for an adjustment of Contract Time as soon as possible after a delay, but no later than 15 Calendar Days after Second Notification is issued. A Contractor's Request for Adjustment of Contract Time (Form 734-3320), Consent of Surety (for requests over 30 Calendar Days), and supporting information must be submitted explaining the cause of each delay and the amount of Contract Time requested.

The process for resolving disagreements and claims is contained in Section 00199. The intent is to resolve any disagreements early, and at the lowest administrative level possible. For those disagreements that become claims, sufficient supporting data is required to enable a third party to fairly judge the merits of the claim.

Notify the Project Manager as soon as possible of all proposed Materials Sources, including steel or other fabricators. The Agency must verify that a source is qualified for use and assure inspection of fabricated items.

Material certifications and Certificates of Material Origin forms are required to be submitted prior to incorporation of the Materials into the project. This office maintains a program of strict compliance with the Non-Field Tested Materials Acceptance Guide. This guide specifies that acceptance documents to be furnished by the Contractor for Materials not subject to field testing.

The pay period for this project ends on the last day of each month. Weekly certified payrolls for Tom Ayres General Contractor, Inc. and all Subcontractors, along with updated monthly project schedules, must be received in this office no later than the last day of each month, or the pay estimate may be withheld. A preliminary pay estimate will be emailed for your review and comment the first week of the following month. Pay estimates have to be approved by the Linn County Commissioners. Pay estimates will be put on the Commissioners' docket the Thursday before their weekly scheduled meetings (Tuesdays and Wednesdays) and a check will be cut and mailed the Friday following the meeting of that week.

Requests for Materials on Hand (MOH) must be submitted to the office at least five (5) Calendar Days prior to the pay period cutoff date as required by Section 00195.60(a-1). Requests received late will not be processed until the following month. The MOH request must include all required Material documentation, certifications, and the Certificate of Materials Origin form (if required). Verification of payment to Materials suppliers is required to be submitted within 30 Calendar Days of the progress payment on which the advance was made. If proof of payment is not provided, the advanced monies will be deducted from the next progress pay estimate.

Tom Ayres General Contractor, Inc. is required to submit the following documents and plans prior to the Preconstruction Conference:

Ten (10) days before the preconstruction conference, please submit the following:

1. Erosion & Sediment Control Plan (Section 00280.02)
2. A Pollution Control Plan (Section 00290.30(b))
3. In-Water Work Schedule (Section 290.34(a))

Five (5) days before the preconstruction conference, please submit the following:

1. A Traffic Control Plan and TOD Plan and Narrative (Section 00225.05 and Section 00225.05(b))
2. Linn County Safety Questionnaire for Federally Funded Contracted Construction Projects (attached)

The following information is required to be submitted by CP Construction LLC at the Preconstruction Conference:

1. Preliminary Work Schedule (Section 00180.41)
2. List of Subcontractors
3. List of suppliers
4. List of Lump Sum items with a breakdown of unit costs
5. DBE Work Plan Proposal Form (ODOT Form 734-2165A) for any DBE Subcontractors
6. Copy of the Subcontractor Solicitation and Utilization Report (ODOT Form 734-2721) that was submitted to the ODOT Office of Civil Rights (Section 00130.40(f))



If you have any questions regarding this information, please feel free to contact me.

Sincerely,



Daineal Malone, P.E.  
Project Manager  
Linn County Road Department

## Preconstruction Conference Agenda

### Hamilton Creek (Upper Berlin Drive) Bridge

**Time:** 10:00 a.m., Tuesday, July 30, 2013

**Place:** Linn County Road Department  
located at 3010 Ferry Street SW, Albany, OR

#### Attendance List Circulated

#### Introductions

Linn County Road Department: Office: (541) 967-3919 Fax: (541) 924-0202  
3010 Ferry St. SW, Albany, OR 97322

|   |                      |
|---|----------------------|
| Kevin Groom, PE, Project Engineer         | Cell: (541) 868-5478 |
| Chuck Knoll, PE, County Engineer          | Cell: (541) 231-8433 |
| Daineal Malone, PE, Project Manager       | Cell: (541) 974-5995 |
| Scott MacLean, Inspector                  | Cell: (503) 881-4940 |
| Dan Leard, Inspector                      | Cell: (541) 979-3702 |
| Wayne Mink, Bridge Maintenance Supervisor | Cell: (541) 619-0651 |
| Ron Dunaway, Road Maintenance Supervisor  | Cell: (541) 409-2700 |
| Jim Ableman, Road Maintenance Manager     | Cell: (541) 760-1197 |
| Darrin Lane, Roadmaster                   | Ph: (541) 967-3919   |

#### Construction Inspection Support:

|   |                      |
|---|----------------------|
| Connie Tangen, David Evans and Associates     | Cell:(541) 990-5556  |
| Sue Chamblin, David Evans and Associates      | Cell:(503) 956-1367  |
| Cyndi Twite, QCCS, David Evans and Associates | Cell: (503) 302-8127 |

Prime Contractor: Office: (541) 388-7176 Fax: (541) 383-1834  
Tom Ayres General Contractor, Inc.  
PO Box 965, Bend, OR 97709

|                            |                         |
|----------------------------|-------------------------|
| Tom Ayres,                 | Ph: (541) 388-7176-3959 |
| Tom Ayres,                 | Cell: (541)             |
| , Safety Manager           | Cell: (541)             |
| , On-Site Superintendent   | Cell: (541)             |
| 24 Hour Emergency Contact: | Cell: (541)             |

#### Oregon Department of Transportation / Representatives:

|   |                    |
|---|--------------------|
| Lee Cronemiller, Local Agency Liaison       | Ph: (503) 986-2779 |
| John Johnson, Local Agency Liaison          | Ph: (503) 986-5834 |
| Michael Starnes, Local Agency Liaison       | Ph: (503) 986-6920 |
| Donna Hinze, Environmental Coordinator      | Ph: (503) 986-2829 |
| Kurt Roedel, Archaeologist                  | Ph: (503) 986-6571 |
| Paul Joiner, Civil Rights Field Coordinator | Ph: (503) 986-2834 |
| Dustin Woods, FHWA                          | Ph: (503) 316-2557 |

**Completion Date: November 30, 2013**

**Date of Notice to Proceed:** No work shall commence until notice to proceed has been issued.

**Control of Work - 00150**

- The Contractor is responsible for preserving all survey stakes and monuments.
- Survey stakes or monuments that are destroyed shall be replaced by the Contractor at no cost to the County
- The County will maintain on-the-job inspection personnel (DEA will assist with inspection under contract with Linn County)
- The Contractor will provide, at the work location, qualified supervisory personnel, to be on site during all work activity
- All work that is to be later concealed by other work shall have the necessary inspection completed prior to concealment
- Rejection of Equipment - Section 00120.15 of the General Provisions.
- Contractor is responsible for calling for utility locates prior to construction. The following utilities have facilities within the project limits.
  - a. Consumers Power
  - b. CenturyLink
- Phone line attached to existing bridge has been removed and offset on supports.

**Source of Materials - 00160**

- Source must be approved by the Engineer before incorporating into the project.
- ODOT QPL

**Quality of Materials - 00165**

- Distribute Q&Q Guide
- Field Tested Materials
  - ODOT Manual of Field Test Procedures -Cindy Twite, DEA will be the acting QCCS for MFTP materials.
  - FEI will be the Independent Assurance (IA) for the MFTP materials.
  - Material Source Suppliers - must be approved
  - Mix Designs (concrete and MHMAC) - must be approved
  - Submit material testing documents
- Non-Field Testing Materials
  - ODOT Manual of Non-Field Test Procedures
  - ODOT QPL
  - Quality Compliance Documents required **prior to installation**
- "Buy America" - Submit CMO's.

## **Legal Relations and Responsibilities - 00170**

- Contractor has a current Public Works Bond
- Safety, Health and Sanitation Provision
  - Contractor shall provide and maintain a portable toilet at the project site
- Minimum Wage and Overtime Rates:
  - 25% Retainage until contractor complies with provisions of ORS 279C.800-870, and Oregon Laws 2005, Chapter 360 (Senate Bill 477). *“Documents establishing those conditions ... are included in the contract.”*
- Labor Compliance - Federal Aid Project (FHWA-1273, 00170.65)
- Determine location for Posters
- Identify work week
- Weekly Certified Payrolls (Form WH-38)
  - Agency will retain 25% of any amount earned until the Contractor submits certified payrolls
  - Contractor shall retain 25% of any amount earned until the first tier subcontractor submits certified payrolls
  - BOLI rates apply for this project (Local Road)
  - Contractor to submit Request for Release of Retainage for Subcontract Work (Form 734-2510)
- Affirmative Action / Equal Employment Opportunity
  - Monthly Employment Utilization Reports, MEUR (Form 731-0394)
    - Required by the 5th of the month (Contractor and Subs)
- Disadvantaged Business Enterprise
  - DBE goal = 0%
  - DBE Work Plan Proposal Form (Form 734-2165A)
    - Submit for any DBE Firm
- Contractor shall provide industrial accident protection for all persons employed on the work to be done under contract

## **Prosecution and Progress - 00180**

- Subcontracting
  - Request for Subcontract Consent (Form 734-1964) Subcontractor cannot do work on project until approved.
  - Contractor to submit Monthly Summary Report of Subcontractors Paid (Form 734-2722)
- Contractor will provide a revised schedule, as needed, to allow five business days notice of changes
  - Time intervals (start and completion date) expected for each stage of construction, including expected hours of operation

- Hours of operation will be from 7:00 a.m. to 8:00 p.m. on weekdays and 8:00 a.m. to 8:00 p.m. on Saturdays. No work will be allowed on Sundays or legal Holidays
- Contractor will notify property owners, in writing, 24 hours in advance if deviating from the latest schedule
- Review Construction Schedule
- Inclement weather encountered will not be considered a reason for further time extension to complete any of the remaining work after the completion date

### **Payment - 00195**

- Monthly Progress Pay Estimates
  - Cut-off date is the end of the month. After receipt of Contractor's Certified Payrolls, Linn County will process pay estimate (2 weeks).
  - Payment through the last day of the month (checks mailed ~1.5 weeks after Contractor Certified Payrolls Received)
  - Materials will not be installed or paid for until certification and / or test results are submitted. **No Quality Documents, No Payment**
- No pay item qualify for fuel escalation/de-escalation
- No pay item qualify for Steel escalation/de- escalation
- 5% retainage on progress payments

### **Disagreements, Protests and Claims - 00199**

- Resolve at the lowest level (Inspectors, PM)
- If unable to resolve, follow procedures outlined in Section 00199, a written Notice of Potential Claim required

### **Accommodations for Public Traffic - 00220**

- Upper Berlin Drive will remain open during construction
- Closure notifications (Section 00220.03(b))
- Submit stamped loading calculations and data (30) calendar days before loading if bridge will be loaded in excess of 25 tons. (Section 00220.45)

### **Work Zone Traffic Control- 00225**

- TOD or business logo signs (Section 225.05(b))
- Prepare and submit Daily Traffic Control Report, Form 734-2474 (Section 225.60)

### **Erosion and Sediment Control - 00280**

- Type 8 sediment barriers , 12" diameter filter socks
- Subject to change based on conditions encountered in the field
- Discussion about erosion control (NE of bridge, install EC at beginning of construction)

### **Environmental Protection - 00290**

- Staging area is approved on gravel and paved areas of Upper Berlin Drive. (Section 290.10)
  - Restore site
- Regulated work area is designated below 280 feet elevation
- In water work period June 1 to October 15
- Linn County has contract with APHIS for migratory bird monitoring
- Provide adequate work containment.
  - Submit Work Containment Plan (28) Calendar days prior to mobilization for the removal of the existing structure and the cast-in-place deck pour
  - Notify PM (10) Calendar days before beginning WCS construction activities
- Sensitive cultural site.
  - Designated work area to be delineated with orange mesh fencing, or pedestrian fencing (Section 290.51)

### **Paint and Painted Materials - 00296**

- Test paint on existing bridge railing during removal
  - If lead found, follow requirements of Section 00296

### **Construction Surveying - 00305**

- Professional Land Surveyor must be licensed in the State of Oregon
- Construction stake at 25 foot intervals on curves and 50 foot intervals on tangents
- Submit slope stake field notes
- Submit diary at project completion

### **Removal of Structures and Obstructions - 00310**

- Payment will not be made for asphalt removed on existing bridge (Section 00310.92)

### **Earthwork - 00330**

- Excavation measurement

### **Bridge Removal - 00501**

- No temporary supports made from below ordinary high water elevation
- Bridge removal plan to be submitted to County 21 days prior to start of bridge removal.

### **Structure Excavation and Backfill - 00510**

- Submit the Shoring Design Checklist according to (00510.04)
- Shoring Plans and Calculations to be stamped and signed by a Professional Engineer licensed in the state of Oregon

### **Driven Piles – 00520**

- Submit Pile Driving Equipment Data Form and WEAP analysis at least 14 days prior to driving piles (Section 00520.20)

### **Structural Concrete - 00540**

- Submit the Falsework Design Checklist according to (00540.41(a))

### **Precast Prestressed Concrete Members - 00550**

- Make allowances for staged construction

### **Spray Waterproofing Membrane - 00592**

- Fabric waterproofing membrane no longer accepted
- Use spray waterproofing membrane from ODOT QPL
- 75% withheld until warranty is received

### **Aggregate Base - 00640**

- May use 1/2" or 3/4" crushed quarry rock
- Must be from approved source

### **Minor Hot Mixed Asphalt Concrete (MHMAC) Pavement - 00744**

- Level 3, 1/2" dense graded design
- Must have approved mix design

### **Stormwater Control Facility - 01092**

- To be constructed prior to ground disturbance activities (northwest).

### **Additional Comments**

- Contractor to complete Contractor Evaluation (Form 734-2469A)

Contractor Safety Form

Linn County Safety Questionnaire for Federally Funded Contracted Construction Projects

Project Name Hamilton Creek (Upper Berlin Drive) Bridge

Contract No. 2013-182

Linn County Project Manager: Daineal Malone, P.E.

Phone: (541) 967-3919

Address: 3010 Ferry Street, SW

City: Albany

State: Oregon

Zip: 97322

Contractor: Tom Ayres General Contractor, Inc.

Pre-Construction Meeting:

Date: Tuesday, July, 30 2013 Time: 10:00 a.m. Location: Linn County Road Department 3010 Ferry Street SW, Albany, OR

Contractor Instructions:

Please complete this questionnaire and return to the Linn County Project Manager at the address listed above at least **five days** prior to the scheduled Pre-Construction meeting

Safety Representative:

Please list the contractor's safety representative for the project.

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Work Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Emergency Ph: \_\_\_\_\_

Traffic Control Plan:

Please bring a copy of the traffic control plan to the pre-construction meeting for review and discussion. Where a project has phases that alter the traffic flow as construction progresses, revised or additional traffic control plans need to be provided to the project manager 30 days prior to implementation of the new phase.

Traffic Control:

Some highway construction projects may require the contractor to have a Certified Traffic Control Supervisor (TCS). Do the contract specifications require a TCS for this project? Yes  No

If "Yes" please provide the following for the TCS, or where none is required, that person responsible for traffic control during working and non-working hours.

Name: \_\_\_\_\_ TCS Certification # \_\_\_\_\_ Expires \_\_\_\_\_

Work Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Emergency Ph: \_\_\_\_\_



**Safety Committee Meetings:**

If you plan to have on-site safety committee meetings, please provide the following:

When: \_\_\_\_\_ Time: \_\_\_\_\_ Location: \_\_\_\_\_

**Emergency Response:**

Is 911 emergency responses available in the project area? If not, what are the phone numbers for hospital \_\_\_\_\_, ambulance \_\_\_\_\_, police \_\_\_\_\_, fire \_\_\_\_\_ in case of emergency. These numbers need to be posted next to the telephone on the project site.

**Hazardous Materials:**

Will there be any hazardous materials used on this project? Yes  No . If "Yes", attach a list of the hazardous materials to this questionnaire.

**Unique Hazardous Conditions:**

The following checked hazardous activities or conditions have been identified as being part of this contract. Be prepared to discuss at the Pre-Construction Meeting the processes being prepared for this project to address these conditions. Discussions should include: mitigation techniques, worker an visitor safeguards, required Competent Persons, written safety plans and discussions of previous similar projects. The Project Manager may ask the ODOT Region/Division Safety Manager to provide technical advice and council at the Pre-Construction Meeting regarding any of the following identified activities or conditions:

- Complex traffic control or night work
- Trenching required shoring or other protection system
- Permit Required Confined spaces
- Tunneling - underground work activities
- Hazardous Materials that may require a specific safety plan such as:
  - Asbestos
  - Lead paint or other lead-containing products
  - Silica
  - Large scale painting and / blasting or grinding operations
  - Excavation of known hazmat site
- Other potential high risk condition - \_\_\_\_\_
- Other potential high risk condition - \_\_\_\_\_

**Back-up Alarms or Signal Persons:**

Will trucks and heavy equipment have back-up alarms? Yes  No . If "No", signal persons will be required where trucks and heavy equipment are backing up.

**Competent Person:**

Will this project have excavations subject to OR-OSHA trenching and shoring regulation? Yes  No . If "Yes", list the on-site Competent Person.

Name: \_\_\_\_\_

**Visitor Job Site Safety Equipment:**

Linn County employees and Linn County's visitors will comply with the contractor's personal protective equipment requirements while on the project. Please describe what protection is required and when (hard hats, eye protection, ear protection, foot protection, high visibility clothing, etc.):

Submitted by Contractor Representative:

Name (please print) \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Review by Linn County Representative:

Name (please print) \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

ATTENDANCE SHEET

for

HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE

Linn County Contract No. 2013-182      ODOT Key No. 14787      Federal Aid No. BRO-C043(026)

**PRECONSTRUCTION CONFERENCE**

Tuesday, July 30, 2013, 10:00 a.m.  
Linn County Road Department

| <u>NAME</u>     | <u>COMPANY</u>          | <u>PHONE</u> | <u>EMAIL</u>                       |
|-----------------|-------------------------|--------------|------------------------------------|
| Daineal Malone  | Linn County             | 541-967-3919 | dmalone@co.linn.or.us              |
| Jim Ableman     | LCRD                    | '            | jablemen@aol.com                   |
| Jim Desmond     | LCRD                    | 503-437-5041 |                                    |
| Scott MacLean   | LCRD                    | 503-881-4940 | smaclea@co.linn.or.us              |
| Dan Leard       | LCRD                    | 541-967-3919 | dleard@co.linn.or.us               |
| COLUIE TANGEN   | DEA                     | 541-990-5556 | CLTAC@DEALINC.COM                  |
| Donna Finze     | ODOT-ENV.               | 503-986-2829 | Donna.L.Finze@odot.state.or.us     |
| SUE CHAMBLIN    | DEA                     | 503-956-1367 | smch@dealinc.com                   |
| TOM CASEY       | LCSD                    | 541-967-3857 | tcasey@co.linn.or.us               |
| Chuck Gibbs     | Linn.Co. Surveyor       | '            | cjgibbs@co.linn.or.us              |
| Kevin Groom     | LCRD                    | 541-967-3919 | kgroom@co.linn.or.us               |
| Michael Starnes | ODOT                    | 503-986-6920 | michael.s.starnes@odot.state.or.us |
| LEE CRONMILLER  | ODOT                    | 503-986-2779 | LEE.M.CRONMILLER@                  |
| Charles (Karl)  | LCRD                    | 541-987-3919 | cknoll@co.linn.or.us               |
| TOM AYRES       | TOM AYRES Ben Contender | 541-388-7176 | TAAyres@aol.com                    |

## Preconstruction Conference *Minutes*

### Hamilton Creek (Upper Berlin Drive) Bridge

**Time:** 10:00 a.m., Tuesday, July 30, 2013

**Place:** Linn County Road Department  
located at 3010 Ferry Street SW, Albany, OR

**Attendance List Circulated** - *Attendee list was distributed*

#### **Introductions**

Linn County Road Department: Office: (541) 967-3919 Fax: (541) 924-0202  
3010 Ferry St. SW, Albany, OR 97322

|  |                      |
|--|----------------------|
| Kevin Groom, PE, Project Engineer <i>(Present)</i>     | Cell: (541) 868-5478 |
| Chuck Knoll, PE, County Engineer <i>(Present)</i>      | Cell: (541) 231-8433 |
| Daineal Malone, PE, Project Manager <i>(Present)</i>   | Cell: (541) 974-5995 |
| Scott MacLean, Inspector <i>(Present)</i>              | Cell: (503) 881-4940 |
| Dan Leard, Inspector <i>(Present)</i>                  | Cell: (541) 979-3702 |
| Wayne Mink, Bridge Maintenance Supervisor              | Cell: (541) 619-0651 |
| Ron Dunaway, Road Maintenance Supervisor               | Cell: (541) 409-2700 |
| Jim Ableman, Road Maintenance Manager <i>(Present)</i> | Cell: (541) 760-1197 |
| Darrin Lane, Roadmaster                                | Ph: (541) 967-3919   |

#### Construction Inspection Support:

|  |                      |
|--|----------------------|
| Connie Tangen, David Evans and Associates <i>(Present)</i> | Cell:(541) 990-5556  |
| Sue Chamblin, David Evans and Associates <i>(Present)</i>  | Cell:(503) 956-1367  |
| Cyndi Twite, QCCS, David Evans and Associates              | Cell: (503) 302-8127 |

Prime Contractor: Office: (541) 388-7176 Fax: (541) 383-1834  
Tom Ayres General Contractor, Inc.  
PO Box 965, Bend, OR 97709

|   |                           |
|---|---------------------------|
| Tom Ayres <i>(Present)</i>                  | Ph: (541) 388-7176        |
| <i>Tom Ayres</i> , Safety Manager           | <i>Ph: (541) 388-7176</i> |
| <i>Tom Ayres</i> , On-Site Superintendant   | <i>Ph: (541) 388-7176</i> |
| 24 Hour Emergency Contact: <i>Tom Ayres</i> | <i>Ph: (541) 388-7176</i> |

#### Oregon Department of Transportation / Representatives:

|   |                    |
|---|--------------------|
| Lee Cronemiller, Local Agency Liaison <i>(Present)</i>  | Ph: (503) 986-2779 |
| John Johnson, Local Agency Liaison                      | Ph: (503) 986-5834 |
| Michael Starnes, Local Agency Liaison <i>(Present)</i>  | Ph: (503) 986-6920 |
| Donna Hinze, Environmental Coordinator <i>(Present)</i> | Ph: (503) 986-2829 |
| Kurt Roedel, Archaeologist                              | Ph: (503) 986-6571 |
| Paul Joiner, Civil Rights Field Coordinator             | Ph: (503) 986-2834 |
| Dustin Woods, FHWA                                      | Ph: (503) 316-2557 |

**Completion Date: November 30, 2013**

**Date of Notice to Proceed:** No work shall commence until notice to proceed has been issued. *Notice to Proceed has been issued.*

### **Control of Work - 00150**

- The Contractor is responsible for preserving all survey stakes and monuments.
- Survey stakes or monuments that are destroyed shall be replaced by the Contractor at no cost to the County
- The County will maintain on-the-job inspection personnel (DEA will assist with inspection under contract with Linn County)
- The Contractor will provide, at the work location, qualified supervisory personnel, to be on site during all work activity
- All work that is to be later concealed by other work shall have the necessary inspection completed prior to concealment
- Rejection of Equipment - Section 00120.15 of the General Provisions.
- Contractor is responsible for calling for utility locates prior to construction. The following utilities have facilities within the project limits.
  - a. Consumers Power
  - b. CenturyLink
- Phone line attached to existing bridge has been removed and offset on supports.

### **Source of Materials - 00160**

- Source must be approved by the Engineer before incorporating into the project.
- ODOT QPL

### **Quality of Materials - 00165**

- Distribute Q&Q Guide *-Q&Q distributed*
- Field Tested Materials
  - ODOT Manual of Field Test Procedures -Cindy Twite, DEA will be the acting QCCS for MFTP materials.
  - FEI will be the Independent Assurance (IA) for the MFTP materials.
  - Material Source Suppliers - must be approved
  - Mix Designs (concrete and MHMAC) - must be approved
  - Submit material testing documents
- Non-Field Testing Materials
  - ODOT Manual of Non-Field Test Procedures
  - ODOT QPL
  - Quality Compliance Documents required **prior to installation**
- "Buy America" - Submit CMO's.

### **Legal Relations and Responsibilities - 00170**

- Contractor has a current Public Works Bond
- Safety, Health and Sanitation Provision

- Contractor shall provide and maintain a portable toilet at the project site
- Minimum Wage and Overtime Rates:
  - 25% Retainage until contractor complies with provisions of ORS 279C.800-870, and Oregon Laws 2005, Chapter 360 (Senate Bill 477). *“Documents establishing those conditions ... are included in the contract.”*
- Labor Compliance - Federal Aid Project (FHWA-1273, 00170.65)
- Determine location for Posters *-located on lid of job box*
- Identify work week *-5 days a week (M-F), 8 hours a day*
- Weekly Certified Payrolls (Form WH-38)
  - Agency will retain 25% of any amount earned until the Contractor submits certified payrolls
  - Contractor shall retain 25% of any amount earned until the first tier subcontractor submits certified payrolls
  - BOLI rates apply for this project (Local Road)
  - Contractor to submit Request for Release of Retainage for Subcontract Work (Form 734-2510)
- Affirmative Action / Equal Employment Opportunity
  - Monthly Employment Utilization Reports, eMEUR (Form 731-0668)
    - Required by the 5th of the month (Contractor and Subs)
- Disadvantaged Business Enterprise
  - DBE goal = 0%
  - DBE Work Plan Proposal Form (Form 734-2165A)
    - Submit for any DBE Firm *-will be using A+ Flagging and Anderson's Erosion Control*
- Contractor shall provide industrial accident protection for all persons employed on the work to be done under contract

### **Prosecution and Progress - 00180**

- Subcontracting
  - Request for Subcontract Consent (Form 734-1964) Subcontractor cannot do work on project until approved.
  - Contractor to submit Monthly Summary Report of Subcontractors Paid (Form 734-2722)
- Contractor will provide a revised schedule, as needed, to allow five business days notice of changes
  - Time intervals (start and completion date) expected for each stage of construction, including expected hours of operation
- Hours of operation will be from 7:00 a.m. to 8:00 p.m. on weekdays and 8:00 a.m. to 8:00 p.m. on Saturdays. No work will be allowed on Sundays or legal Holidays
- Contractor will notify property owners, in writing, 24 hours in advance if deviating from the latest schedule
- Review Construction Schedule *-Tom went over schedule*

- Inclement weather encountered will not be considered a reason for further time extension to complete any of the remaining work after the completion date

### **Payment - 00195**

- Monthly Progress Pay Estimates
  - Cut-off date is the end of the month. After receipt of Contractor's Certified Payrolls, Linn County will process pay estimate (2 weeks).
  - Payment through the last day of the month (checks mailed ~1.5 weeks after Contractor Certified Payrolls Received)
  - Materials will not be installed or paid for until certification and / or test results are submitted. **No Quality Documents, No Payment**
- No pay item qualify for fuel escalation/de-escalation
- No pay item qualify for Steel escalation/de- escalation
- 5% retainage on progress payments

### **Disagreements, Protests and Claims - 00199**

- Resolve at the lowest level (Inspectors, PM)
- If unable to resolve, follow procedures outlined in Section 00199, a written Notice of Potential Claim required

### **Accommodations for Public Traffic - 00220**

- Upper Berlin Drive will remain open during construction
- Closure notifications (Section 00220.03(b))
- Submit stamped loading calculations and data (30) calendar days before loading if bridge will be loaded in excess of **50** tons. (Section 00220.45)

### **Work Zone Traffic Control- 00225**

- TOD or business logo signs (Section 225.05(b)) *already submitted*
- Prepare and submit Daily Traffic Control Report, Form 734-2474 (Section 225.60)

### **Erosion and Sediment Control - 00280**

- Type 8 sediment barriers , 12" diameter filter socks
- Subject to change based on conditions encountered in the field
- Discussion about erosion control (*NW* of bridge, install EC at beginning of construction)

### **Environmental Protection - 00290**

- Staging area is approved on gravel and paved areas of Upper Berlin Drive. (Section 290.10)
  - Restore site
- Regulated work area is designated below 280 feet elevation

- In water work period June 1 to October 15
- Linn County has contract with APHIS for migratory bird monitoring
- Provide adequate work containment.
  - Submit Work Containment Plan (28) Calendar days prior to mobilization for the removal of the existing structure ~~and the cast-in-place deck pour~~
  - Notify PM (10) Calendar days before beginning WCS construction activities
- Sensitive cultural site.
  - Designated work area to be delineated with orange mesh fencing, or pedestrian fencing (Section 290.51)

### **Paint and Painted Materials - 00296**

- Test paint on existing bridge railing during removal
  - If lead found, follow requirements of Section 00296

### **Construction Surveying - 00305**

- Professional Land Surveyor must be licensed in the State of Oregon
- Construction stake at 25 foot intervals on curves and 50 foot intervals on tangents
- Submit slope stake field notes
- Submit diary at project completion

### **Removal of Structures and Obstructions - 00310**

- Payment will not be made for asphalt removed on existing bridge (Section 00310.92)

### **Earthwork - 00330**

- Excavation measurement

### **Bridge Removal - 00501**

- No temporary supports made from below ordinary high water elevation
- Bridge removal plan to be submitted to County 21 days prior to start of bridge removal.

### **Structure Excavation and Backfill - 00510**

- Submit the Shoring Design Checklist according to (00510.04)
- Shoring Plans and Calculations to be stamped and signed by a Professional Engineer licensed in the state of Oregon *-will be using McGee Engineering*

### **Driven Piles – 00520**

- Submit Pile Driving Equipment Data Form and WEAP analysis at least 14 days prior to driving piles (Section 00520.20) *-already submitted*



### **Structural Concrete - 00540**

- Submit the Falsework Design Checklist according to (00540.41(a))

### **Precast Prestressed Concrete Members - 00550**

- Make allowances for staged construction
- *Access holes are not to be grouted*

### **Spray Waterproofing Membrane - 00592**

- Fabric waterproofing membrane no longer accepted
- Use spray waterproofing membrane from ODOT QPL
- 75% withheld until warranty is received

### **Aggregate Base - 00640**

- May use *1"-0* or 3/4" crushed quarry rock
- Must be from approved source
- *Discussed quarry locations - Knife River quarry in Lebanon*

### **Minor Hot Mixed Asphalt Concrete (MHMAC) Pavement - 00744**

- Level 3, 1/2" dense graded design
- Must have approved mix design

### **Stormwater Control Facility - 01092**

- To be constructed prior to ground disturbance activities (northwest).

### **Additional Comments**

- Contractor to complete Contractor Evaluation (Form 734-2469A) *@ completion*

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM | ITEM DESCRIPTION | U/M | QTY | QUALITY | QUANTITY & REMARKS |
|-----|------|------------------|-----|-----|---------|--------------------|
|-----|------|------------------|-----|-----|---------|--------------------|

**TEMPORARY FEATURES AND APPURTENANCES**

|     |    |   |      |       |                 |  |
|-----|----|---|------|-------|-----------------|--|
| 210 | 01 | MOBILIZATION                              | LS   | ALL   | NTR             | PAY: 50% AT 5% COMPLETE, 100% AT 10% COMPLETE  |
| 225 | 02 | WORK ZONE TRAFFIC CONTROL, COMPLETE       | LS   | ALL   | NTR             | PAY: PROPORTIONAL TO % OF CONTRACT COMPLETED. CONTRACTOR TO PROVIDE DAILY TR&DT REPORT   |
| 225 | 03 | TEMPORARY SIGNS                           | SQFT | 160.5 | F, NTR          | PAY: AT LEAST TO THE NEAREST 0.1 SF. USE FROM QPL  |
| 225 | 04 | TEMPORARY CONCRETE BARRIER, REFLECTORIZED | FOOT | 287.5 | F, O, (PRECAST) | PAY: AT LEAST TO THE NEAREST 0.1 FT (12'-7" TIMES NUMBER OF SECTIONS) FROM ODOT APPROVED MANUFACTURER LISTED UNDER NFTMAG 00820  |
|     |    | -Grout                                    |      |       | F, Q            | PORTLAND CEMENT GROUT  |
|     |    | -Hardware                                 |      |       | T, F, O, Q      | "T" IS FROM HARDWARE MANUFACTURER, "Q" IS FROM GALVANIZER  |
|     |    | -Barrier from different project           |      |       | NTR             |  |
| 225 | 05 | TEMPORARY IMPACT ATTENUATOR               | EACH | 24    | F, NTR          | PAY: EACH. USE FROM QPL "A" OR "Q" LIST  |
| 225 | 06 | SURFACE MOUNTED TUBULAR MARKER            | EACH | 40    | F, NTR          | PAY: EACH. USE FROM QPL "A" OR "Q" LIST  |
| 225 | 07 | TEMPORARY STRIPING                        | SQFT | 24.0  | F, NTR          | PAY: AT LEAST TO THE NEAREST 0.1 SF. USE FROM QPL "A" OR "Q" LIST  |
| 226 | 08 | PORTABLE TRAFFIC SIGNAL                   | EACH | 2     | F, NTR          | PAY: EACH. USE FROM QPL "A" OR "Q" LIST  |
| 225 | 09 | FLAGGERS                                  | HOUR | 160.0 | NTR             | PAY: NEAREST 1/2 HOUR, FORM 734-3955. NEED JUSTIFICATION FOR OVERRUN   |
| 280 | 10 | EROSION CONTROL                           | LS   | ALL   | NTR             | PAY: 25% WHEN ESCP ACCEPTED, 50% AT 50% COMPLETE, 75% @ 75% AND 100% @ 100%. CONTRACTOR TO PROVIDE WEEKLY EROSION CONTROL REPORT FORM 734-2361 OR AFTER STORM EVENT OF 0.25 IN. IN 24-Hr |
| 280 | 11 | SEDIMENT BARRIER                          | FT   | 696.0 | F, NTR          | PAY: AT LEAST THE NEAREST 0.1 FT. USE FROM QPL "A" OR "Q" LIST   |
| 280 | 12 | POLLUTION CONTROL PLAN                    | LS   | ALL   | NTR             | PAY: 20% WHEN PCP ACCEPTED, 40% AT 30% COMPLETE, 60% @ 60%, 90% @ 90% AND 100% @ 100%  |
| 290 | 13 | WORK CONTAINMENT PLAN AND SYSTEM          | LS   | ALL   | NTR             | PAY: 20% WHEN WCP ACCEPTED, 40% AT 30% COMPLETE, 60% @ 60%, 80% @ 90% AND 100% @ 100% (Per 290.90)   |

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM | ITEM DESCRIPTION | U/M | QTY | QUALITY | QUANTITY & REMARKS |
|-----|------|------------------|-----|-----|---------|--------------------|
|-----|------|------------------|-----|-----|---------|--------------------|

**ROADWORK**

|     |    |   |      |         |  |  |
|-----|----|---|------|---------|--|--|
| 305 | 14 | CONSTRUCTION SURVEY WORK  | LS   | ALL     | NTR  | PAY: PROPORTIONAL TO % OF ITEM COMPLETED. FURNISH FINAL COPY OF DIARY AT PROJECT COMPLETION. FURNISH SLOPE STAKE FIELD NOTES   |
| 310 | 15 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS                              | LS   | ALL     | NTR  | PAY: PROPORTIONAL TO % OF ITEM COMPLETED   |
| 310 | 16 | REMOVAL OF SURFACINGS   | SOYD | 1,128.3 | F, NTR   | PAY: AT LEAST TO THE NEAREST 0.1 SY.   |
| 310 | 17 | ASPHALT PAVEMENT SAW CUTTING  | FOOT | 50.0    | F, NTR   | PAY: AT LEAST TO THE NEAREST 0.1 FOOT. (IF DEPTH IS GREATER THAN 8 INCHES, ADJUST LENGTH BY CONVERTING TO AN EQUIVALENT NUMBER OF FEET ON A PROPORTIONATE LENGTH BASIS. (00310.80) |
| 320 | 18 | CLEARING AND GRUBBING   | LS   | ALL     | NTR  | PAY: PROPORTIONAL TO % OF ITEM COMPLETED   |
| 330 | 19 | GENERAL EXCAVATION  | CUYD | 450.0   | F  | PAY: AT LEAST TO THE NEAREST 0.1 CY.<br>FORM 734-1368 AND FORM 734-3468FC.   |
|     |    | -Establishing maximum density                                       |      |         | QC-T199, T85 (1/SOIL TYPE) AND T272. IA- (1/PROJECT)     | FORM 734-1368 AND FORM 734-3468FC.   |
|     |    | -Compaction (deflection)  |      |         | QC-TM158 (1/YD IN DEPTH)                                 | FORM 734-1793S   |
|     |    | -Compaction (nuclear gauge, coarse particle correction, deflection) |      |         | QC-T310, T224, TM158 (1/1000 SY. IA-(10% OF REQUIRED QC) | FORM 734-1793S   |
| 350 | 20 | SUBGRADE GEOTEXTILE   | SOYD | 1,448.0 | F, Q(LEVEL B)  | PAY: AT LEAST TO THE NEAREST 0.1 SY.   |
| 350 | 21 | RIP RAP GEOTEXTILE, TYPE 1  | SOYD | 7.1     | F, Q(LEVEL B)  | PAY: AT LEAST TO THE NEAREST 0.1 SY.   |
| 390 | 22 | LOOSE RIP RAP, CLASS 50   | CUYD | 2.0     | F, FTMAG   | PAY: AT LEAST TO THE NEAREST 0.1 SY.   |
|     |    | -Gradation  |      |         | AS, VISUAL   |  |
|     |    | -Degradation, soundness   |      |         | MUST MEET 00390.11(c)1                                   |  |
|     |    | -Specific gravity, absorption                                       |      |         | QC-TM208, T104   | FORM 734-4000  |
|     |    |   |      |         | QC-T85   | FORM 734-1825  |

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM | ITEM DESCRIPTION | U/M | QTY | QUALITY | QUANTITY & REMARKS |
|-----|------|------------------|-----|-----|---------|--------------------|
|-----|------|------------------|-----|-----|---------|--------------------|

**DRAINAGE AND SEWERS**

|     |    |   |      |       |                 |                                  |
|-----|----|---|------|-------|-----------------|----------------------------------|
| 480 | 23 | DRAINAGE CURBS                                    | FOOT | 132.0 | F, AS, FTMAG    | PAY: AT LEAST THE NEAREST 0.1 FT |
|     |    | -Dense graded HMAC mixture, level 2, 1/2" OR 3/8" |      |       | MUST MEET 00744 |                                  |

**BRIDGES**

|     |    |  |      |      |  |  |
|-----|----|--|------|------|--|--|
| 501 | 24 | BRIDGE REMOVAL WORK                            | LS   | ALL  | NTR  | PAY: PROPORTIONAL TO % OF ITEM COMPLETED   |
| 510 | 25 | SHORING, CRIBBING AND COFFERDAMS               | LS   | ALL  | NTR  | PAY: PROPORTIONAL TO % OF ITEM COMPLETED. SUBMIT SHORING DESIGN CHECKLIST IN SECTION 00510   |
| 510 | 26 | STRUCTURE EXCAVATION                           | LS   | ALL  | NTR, VISUAL                                    | PAY: PROPORTIONAL TO % OF ITEM COMPLETED   |
| 510 | 27 | GRANULAR WALL BACKFILL (OPEN GRADED AGGREGATE) | CUYD | 56.0 | FTMAG, QC-T2, T27, T176, T248, T335 (1/SUBLOT) | PAY: AT LEAST TO THE NEAREST 0.1 CY. FORM 734-1792. REQUEST SMALL QUANTITY ACCEPTANCE FOR AGG. PRODUCTION  |
|     |    | -Product compliance                            |      |      | QC-T96, TM208 (1/SOURCE) QA-PM SUBMIT TO LAB   | FORM 734-4000  |
| 520 | 28 | FURNISH PILE DRILLING EQUIPMENT                | LS   | ALL  | F, MUST MEET 00520.20(d)                       | PAY: 75% WHEN EQUIPMENT IS FURNISHED AND DRIVING AND 100% ON DRIVING COMPLETION AND EQUIPMENT REMOVED  |
| 520 | 29 | FURNISH HP14x89 STEEL PILES                    | FOOT | 204  | T, F, O  | PAY: AT LEAST THE NEAREST FOOT. "T" FROM STEEL MANUFACTURER. INCLUDE PILE MARKINGS ON FIR.; HEAT NO. LOT NO. AASHTO DISIGNATION, GRADE, BRAND, QUANTITY AND SUBMIT COPIES TO ODOT LAB FOR REVIEW AND WRITTEN APPROVAL. |
| 520 | 30 | DRIVE HP14x89 STEEL PILES                      | EACH | 12   | F  | PAY: EACH. RECORD IN PILE LOG  |
| 520 | 31 | HP14x89 STEEL PILE SPLICES                     | EACH | 6    | F, E, P  | PAY: EACH. "P" IS WELDER CERT, PROCEDURE SPECS AND PROCEDURE QUALIFICATIONS PRIOR TO WELDING. SUBMIT WELDING INSPECTION REPORT UPON COMPLETION.  |
| 520 | 32 | HP14x89 STEEL PILE REINFORCED TIPS             | EACH | 12   | T, F, O  | PAY: EACH. "T" IS PILE TIP MANUFACTURER. USE FROM QPL "A" OR "Q" LIST. VERIFY HEAT # ON "T" MATCHES ACTUAL TIP AND RECORD ON FIR   |
| 530 | 33 | REINFORCEMENT                                  | LS   | ALL  | F, O, Q  | PAY: AT LEAST TO THE NEAREST POUND. "Q" FROM VISUAL VERIFICATION OF MANUFACTURERS ID MARKING ROLLED INTO BAR. RECORD ON FIR  |

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM     | ITEM DESCRIPTION  | U/M  | QTY  | QUALITY  | QUANTITY & REMARKS  |
|-----|----------|---|------|------|--|---|
| 530 | 33 Cont. | -Mechanical splices   |      |      | F, O, Q, L   | "Q" FROM SPICE MANUFACTURER. "I" FIELD SUBMITS 3 INSTALLATION QUALIFICATION SAMPLES FOR TECH CERTIFICATION AND 1 QC SAPMILE FOR EACH 100 SPLICES TO LAB. SUBMIT 8' SAMPLES PER 00530. SPICE MATERIAL FROM QPL |
|     |          | -Welded splices   |      |      | F, E, P  | "P" IS WELDER CERT PRIOR TO WELDING. SUBMIT WELDING INSPECTION REPORT.  |
| 540 | 34       | GENERAL STRUCTURAL CONCRETE, CLASS 3300   | CUYD | 42.0 | F, FTMAG   | PAY: AT LEAST THE NEAREST 0.1 CY  |
|     |          | -Aggregate Production - sampling, reducing, sieve analysis, fineness modulus, wood particles, sand equivalent |      |      | QC-TM225, T2, T11, T27, T176, T248, (1 AT START OF PRODUCTION AND 1/SUBLOT)                  | FORM 734-1792   |
|     |          | -Aggregate Production - soundness, abrasion, degradation, lightweight pieces, organics                        |      |      | QC-TM208, T21, T96, T104, T113, QA-APPROVED SOURCE. PM SUBMIT TO LAB                         | FORM 734-4000   |
|     |          | -Aggregate Production - dry rodded unit weight, bulk specific gravity & absorption                            |      |      | QC-T84, T85, QA-1 AT START OF PRODUCTION AND CHANGED SOURCE                                  | FORMS 734-1825, 734-1825C   |
|     |          | -Portland cement concrete   |      |      | QC-TM2, T22, T23, T119, T121, T152, T309, QA-1 SET PER DAY (1 SET = 4 CYLINDERS). QA-PM TEST | FORMS 734-3573WS, 734-4000C   |
|     |          | -Portland cement  |      |      | L  | USE FROM QPL "A" OR "Q" LIST. "L" IS ODOT MIX DESIGN.   |
|     |          | -Fly Ash  |      |      | L  | USE FROM QPL "A" OR "Q" LIST. "L" IS ODOT MIX DESIGN.   |
|     |          | -Admixtures   |      |      | L  | USE FROM QPL "A" OR "Q" LIST. "L" IS ODOT MIX DESIGN.   |
|     |          | -Mixing water   |      |      | MUST MEET 02020  |   |
|     |          | -Curing materials-Liquid compounds  |      |      | F, L   | USE FROM QPL "A" OR "Q" LIST. PM SUBMIT ONE-QUART SAMPLE OF EACH LOT # TO LAB FOR APPROVAL PRIOR TO USE   |
|     |          | -Curing materials-Polyethylene films  |      |      | F, Q   | "Q" IS FROM MANUFACTURER  |

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM | ITEM DESCRIPTION   | U/M  | QTY | QUALITY   | QUANTITY & REMARKS  |
|-----|------|--|------|-----|---|---|
| 545 | 35   | REINFORCED CONCRETE END PANELS   | SQYD | 145 | F, MUST MEET 00545  | PAY: AT LEAST THE NEAREST 0.1 SY  |
|     |      | -Aggregate Production - sampling, reducing   |      |     | QC-T2, T248, (AT START OF PRODUCTION AND 1/SUBLOT). IA-(10% OF REQUIRED QC)                     |   |
|     |      | -Aggregate Production - sieve analysis, fineness modulus, wood particles, sand equivalent                  |      |     | QC-T11, T27, T176, TM225 (AT START OF PRODUCTION AND 1/SUBLOT). IA-(10% OF PREQUIRED QC)        | FORM 734-1792   |
|     |      | -Aggregate Production - soundness, abrasion, degradation, lightweight pieces, organics                     |      |     | QC-TM208, T21, T96, T104, T113. IA- APPROVED SOURCE   | FORM 734-4000   |
|     |      | -Aggregate Production - dry rodded unit weight, bulk specific gravity & absorption                         |      |     | QC-T84, T85 (AT START OF PRODUCTION AND CHANGED SOURCE)   | FORMS 734-1825, 734-1825C   |
|     |      | -Portland cement   |      |     | F, Q  | USE FROM QPL "A" OR "Q" LIST  |
|     |      | -Fly Ash   |      |     | F, Q  | USE FROM QPL "A" OR "Q" LIST  |
|     |      | -Admixtures  |      |     | F, Q  | USE FROM QPL "A" OR "Q" LIST  |
|     |      | -Mixing water  |      |     | MUST MEET 02020   |   |
|     |      | -Portland cement concrete - sampling, air content, slump, temperature, density, yield, w/c ratio, strength |      |     | QC-TM2, T22, T23, T119, T121, T152, T309, (1 SET PER DAY) (1 SET = 4 CYLINDERS). IA - (1/CLASS) | FORMS 734-3573WS OR 734-4000C   |
|     |      | -Curing materials-Liquid compounds   |      |     | F, L, Q   | USE FROM QPL "A" OR "Q" LIST. PM SUBMIT ONE-QUART SAMPLE OF EACH LOT # TO LAB FOR APPROVAL PRIOR TO USE |
|     |      | -Curing materials-Polyethylene films   |      |     | F, Q  | "Q" IS FROM MANUFACTURER  |
|     |      | -Bar reinforcement   |      |     | F, O, Q   | "Q" FROM VISUAL VERIFICATION OF MANUFACTURERS ID MARKING ROLLED INTO BAR. RECORD ON FIR                 |

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM     | ITEM DESCRIPTION   | U/M  | QTY   | QUALITY  | QUANTITY & REMARKS  |
|-----|----------|--|------|-------|--|---|
| 545 | 35 Cont. | -Dowels<br>-Expansion Joints   |      |       | F, O, Q<br>F, Q  | "Q" FROM STEEL MANUFACTURER<br>SEE NTMAG FOR TYPE USED  |
| 550 | 36       | 30 INCH PRECAST PRESTRESSED BOX BEAMS<br><br>-Cement<br>-Modifiers<br>-Admixtures<br>-Curing materials-Liquid compounds<br>-Curing materials-Polyethylene films<br>-High strength anchor bolts, tie rods, nuts and washers<br>-High strength bolts, nuts and washers | FOOT | 687.0 | T, F, O, Q, L, FTMAG<br>F, Q<br>F, Q<br>F, Q<br>F, L, Q<br>F, Q<br>T, F, O, Q, L | PAY: AT LEAST TO THE NEAREST FOOT. "T" IS FROM STEEL MANUFACTURER. "L" COVERS STRAND, HARDWARE, AND CONCRETE IN PRECAST UNITS. LAB WILL PERFORM INSPECTIONS ON MATERIALS AND FABRICATION. "Q" IS FABRICATOR CERTIFICATION 00550.05<br>USE FROM QPL "A" OR "Q" LIST<br>USE FROM QPL "A" OR "Q" LIST<br>USE FROM QPL "A" OR "Q" LIST<br>USE FROM QPL "A" OR "Q" LIST<br>USE FROM QPL "A" OR "Q" LIST<br>"Q" IS FROM MANUFACTURER<br>"T" IS FROM MANUFACTURER. "Q" IS FROM THE GALVANIZER, SAMPLE AND TEST ACCORDING TO 02560.60. SUBMIT BY LOT TO LAB<br>"Q" IS FROM MANUFACTURER<br>"T" IS FROM MANUFACTURER. "Q" IS FROM THE GALVANIZER, SAMPLE AND TEST ACCORDING TO 02560.60. SUBMIT BY LOT TO LAB<br>"T" IS FROM MANUFACTURER. "Q" IS FROM THE GALVANIZER, SAMPLE AND TEST ACCORDING TO 02560.60. SUBMIT BY LOT TO LAB. ROCAP TEST BY BOLT FABRICATOR AND IN FIELD |
| 587 | 37       | 2-TUBE STEEL RAIL, SIDE MOUNTED<br><br>-Fabricated steel items<br>-steel tubing, steel, pipe, posts<br>-paint (steel coating)<br>-Incidentals (plates, caps, bolts, nuts, misc pieces)<br>-Galvanizing   | LS   | ALL   | F, FTMAG<br>T, F, O, Q<br>F, O, Q<br>T, F, Q, L<br>F, O, Q<br>F, Q               | PAY: PROPORTIONAL TO % OF ITEM COMPLETED<br>"T" FROM STEEL MANUFACTURER<br>"Q" FROM MANUFACTURER<br>MUST MEET 00594.11. SUBMIT SAMPLES TO LAB. RECORD MANUFACTURERS NAME, EXACT COATING NAME, BATCH NUMBER AND DATE ON FIR<br>"Q" FROM STEEL ITEM MANUFACTURER  |

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM | ITEM DESCRIPTION                       | U/M  | QTY     | QUALITY | QUANTITY & REMARKS  |
|-----|------|--|------|---------|---------|---|
| 592 | 38   | WARRANTED SPRAY WATERPROOFING MEMBRANE | SQFT | 2,750.0 | F, Q, W | PAY: AT LEAST THE NEAREST 0.1 SQFT. "Q" IS FROM MANUFACTURER. USE FROM QPL "A" OR "Q" LIST. 2-YEAR WARRANTY REQUIRED. |

**BASES**

|     |    |                       |     |         |               |  |
|-----|----|-----------------------|-----|---------|---------------|--|
| 640 | 39 | AGGREGATE BASE, 1" -0 | TON | 1,461.6 | F, VISUAL, AS | PAY: AT LEAST TO THE NEAREST 0.01 TON PER TICKET |
|-----|----|-----------------------|-----|---------|---------------|--|

**WEARING SURFACES**

|     |    |  |     |       |  |  |                             |                      |                                |
|-----|----|--|-----|-------|--|--|-----------------------------|----------------------|--------------------------------|
| 744 | 40 | LEVEL 3, 1/2" DENSE GRADED MHMAC MIXTURE | TON | 517.0 | F, APPROVED MIX. MAY REQUEST SMALL QUANTITY ACCEPTANCE | PAY: AT LEAST TO THE NEAREST 0.01 TON (PER TICKETS & 00190.10) & 2 TAPES FROM 10 KEY WITH 2 INDEPENDENT SIGNATURES. MEET 00744.16 (SP) |                             |                      |                                |
|     |    |  |     |       |  |  | -Calibrate incenerator      | QC-TM323 (1/JMF)     | FORM 734-23271C                |
|     |    |  |     |       |  |  | -Asphalt content            | QC-T308 (1/DAY)      | FORM 734-2277                  |
|     |    |  |     |       |  |  | -Gradation - sieve analysis | QC-T30 (1/SUBLOT)    | FORM 734-2277                  |
|     |    |  |     |       |  |  | -Moisture                   | QC-T329 (1/SUBLOT)   | FORM 734-2277                  |
|     |    |  |     |       |  |  | -Specific gravity           | QC-T209 (1/DAY)      | FORM 734-2050                  |
|     |    |  |     |       |  |  | -Asphalt cement             | QC-T40 QA (1/SUBLOT) | FORM 734-4000                  |
|     |    |  |     |       |  |  | -Track coat                 | F, Q                 | Q IS LISTED ON ASPHALT INVOICE |
|     |    |  |     |       |  |  | -Compaction                 | QC-TM8, QA (1/DAY)   | FORM 734-1793A                 |
|     |    |  |     |       |  |  | -Specific gravity           | QC-TM305 (1/DAY)     | FORM 734-2050                  |

**PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES**

|     |    |                                    |      |      |            |  |                        |            |  |
|-----|----|------------------------------------|------|------|------------|--|------------------------|------------|--|
| 810 | 41 | GUARDRAIL, TYPE 2A                 | FOOT | 50.0 | F, O, Q    | PAY: AT LEAST TO THE NEAREST 0.01 FT. "Q" IS VISUAL VERIFICATION OF AASHTO M180 CLASS A, TYPE II STAMP. RECORD ON FIR. "Q" FROM GALVANIZER |                        |            |  |
|     |    |                                    |      |      |            |  | -Metal posts           | F, T, O, Q | "T" FROM STEEL MANUFACTURER. "Q" FROM GALVANIZER |
|     |    |                                    |      |      |            |  | -Wood posts and blocks | F          | USE FROM LIST IN NTMAG SECTION 00810             |
| 810 | 42 | GUARDRAIL ANCHORS, TYPE 1 MODIFIED | EACH | 4    | F, O, Q, L | PAY: EACH. "L" PM WILL SUBMIT ONE CABLE ASSEMBLY PER PROJECT OR PER MANUFACTURER TO LAB FOR TESTING. "Q" IS FROM GALVANIZER                |                        |            |  |



**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC | ITEM | ITEM DESCRIPTION                          | U/M  | QTY     | QUALITY | QUANTITY & REMARKS  |
|-----|------|---|------|---------|---------|---|
| 810 | 43   | GUARDRAIL TRANSITION                      | EACH | 4       | F, O, Q | PAY: EACH. "Q" IS VISUAL VERIFICATION OF AASHTO M180 CLASS A, TYPE II STAMP. RECORD ON FIR. "Q" FROM GALVANIZER |
| 810 | 44   | GUARDRAIL CONNECTIONS                     | EACH | 4       | F, O, Q | PAY: EACH. "Q" IS VISUAL VERIFICATION OF AASHTO M180 CLASS A, TYPE II STAMP. RECORD ON FIR. "Q" FROM GALVANIZER |
| 810 | 45   | GUARDRAIL TERMINALS, FLARED, TEST LEVEL 3 | EACH | 2       | F, O, Q | PAY: EACH. USE FROM QPL "A" OR "Q" LIST   |
| 810 | 46   | GUARDRAIL TERMINALS, FLARED, TEST LEVEL 3 | EACH | 2       | F, O, Q | PAY: EACH. USE FROM QPL "A" OR "Q" LIST   |
| 860 | 47   | PAVEMENT LINE REMOVAL                     | FOOT | 50      | NTR     | PAY: NEAREST 0.1 FOOT   |
| 860 | 48   | LOGITUDINAL PAVEMENT MARKINGS, PAINT      | FOOT | 1,070.0 | F, Q    | PAY: AT LEAST THE NEAREST FOOT. USE FROM QPL "A" OR "Q" LIST.   |
|     |      | -Reflective elements, glass beads         |      |         | F, Q    | USE FROM QPL "A" OR "Q" LIST  |

**PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS**

|     |    |                         |      |      |         |   |
|-----|----|-------------------------|------|------|---------|---|
| 940 | 49 | TYPE "O" SIGNS IN PLACE | SQFT | 12.0 | F       | PAY: AT LEAST THE NEAREST 0.1 SF. FINISHED SIGNS WITH ODOT STICKER SEE NTMAG SECTIO 00940 IF NO STICKER AFFIXED |
|     |    | -Hardware               |      |      | F, O, Q | "Q" IS FROM MANUFACTURER AND GALVANIZER   |

**RIGHT-OF-WAY DEVELOPMENT AND CONTROL**

|      |    |                               |      |     |      |  |
|------|----|-------------------------------|------|-----|------|--|
| 1030 | 50 | SEEDING MOBILIZATION          | LS   | ALL | NTR  | PAY: PROPORTIONAL TO % OF ITEM COMPLETED   |
| 1030 | 51 | PERMANENT SEEDING             | ACRE | 0.1 | F    | PAY: AT LEAST TO THE NEAREST 0.01 ACRE (PAY 70% AT INITIAL PLANTING, PAY 100% AFTER 45-DAY SEED ESTABLISHMENT IS COMPLETE) |
|      |    | -Seed                         |      |     | T, F | "T" PER 1030.13 AND TO BE WITHIN PAST 18 MONTHS, NOTE LOT# ON FIR  |
|      |    | -Fertilizer                   |      |     | F, Q | "Q" FROM MANUFACTURER  |
|      |    | -Mulch                        |      |     | F, Q | HYDROMULCH FROM QPL "A" OR "Q" LIST  |
|      |    | -Tracker                      |      |     | F, Q | "Q" FROM MANUFACTURER  |
|      |    | -Seeding establishment period |      |     | F, Q | "Q" FOR RESEEDING DURING THE SE PERIOD, DOCUMENT CONDITION ON FIR AT FINAL ACCEPTANCE                                      |

**QUALITY & QUANTITY GUIDE for HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE**

Project No. CB0809

Contract No. 2013-

ODOT KEY NO. 14787

FEDERAL AID NO. BRO-C043(026)

**ABBREVIATIONS**

|   |   |  |
|---|---|--|
| T = TEST RESULTS CERTIFICATION              | U/M = UNIT OF MEASURE                       | QPL = QUALIFIED PRODUCTS LIST                                |
| F = FIELD INSPECTION REPORT (FIR)           | QTY = QUANTITY                              | B = BLUE SHEET   |
| O = CERTIFICATE OF MATERIALS ORIGIN (CMO)   | AS = APPROVED SOURCE/SUPPLIER               | FTMAG = FIELD TEST MATERIAL ACCEPTANCE                       |
| Q = QUALITY COMPLIANCE CERTIFICATE          | W = WARRANTY                                | NTR = NO TEST/CERT REQUIRED                                  |
| E = EQUIPMENT LIST AND DRAWINGS / PROCEDURE | L = ODOT MATERIALS LAB or INSPECTION REPORT | P = PROOF OF LICENCE/CERTIFICATION OR APPRENTICE APPLICATION |

| SEC  | ITEM | ITEM DESCRIPTION                     | U/M | QTY | QUALITY        | QUANTITY & REMARKS   |
|------|------|--------------------------------------|-----|-----|----------------|--|
| 1092 | 52   | STORMWATER FACILITY                  | LS  | ALL | F              | PAY: PROPORTIONAL TO % OF ITEM COMPLETED                                       |
|      |      | -Water Quality seeding               |     |     | T, F           | "T" PER 1030.13 AND TO BE WITHIN PAST 18 MONTHS, NOTE LOT# ON FIR              |
|      |      | -Blended compost and topsoil mixture |     |     | T, F, Q        | "T" IS STA LAB ANALYSIS. "Q" IS DEQ PERMIT OR REGISTRATION OF COMPOST PRODUCER |
|      |      | -Drainage geotextile, Type 1         |     |     | F, Q (LEVEL B) |  |
|      |      | -Swale liner                         |     |     | F, Q           | USE FROM QPL "A" OR "Q" LIST   |
|      |      | -Check Dam                           |     |     | F, Q           | USE FROM QPL "A" OR "Q" LIST   |

**NOTE: THIS GUIDE HAS BEEN APPROVED TO ASSIST THE CONTRACTOR IN COMPLYING WITH DOCUMENTATION REQUIRED FOR ACCEPTANCE OF MATERIALS ON THIS LINN COUNTY CONSTRUCTION PROJECT. IT DOES NOT RELIEVE THE USER OF REQUIREMENTS SPECIFIED IN THE SOURCE CONSTRUCTION PROJECT DOCUMENTS.**



# LINN COUNTY MONTHLY PAYMENT ESTIMATE

PROJECT: HAMILTON CREEK (UPPER BERLIN DRIVE) BRIDGE

CONTRACTOR: Tom Ayres General Contractor, Inc., PO Box 965, Bend, OR 97709

Est No. 5

CONTRACT DATE: July 24, 2013

DATE: January 7, 2014

PAY PERIOD FROM: December 1, 2013

TO: December 31, 2013

PROJECT NO. CB0809

CONTRACT NO. 2013-182

| Item | DESCRIPTION                               | UNIT  | UNIT PRICE | CONTRACT |              | AMENDMENT |             | PREVIOUS |              | CURRENT |             | COMPLETE TO DATE |              | REMAINING |           |
|------|---|-------|------------|----------|--------------|-----------|-------------|----------|--------------|---------|-------------|------------------|--------------|-----------|-----------|
|      |   |       |            | QUANT    | AMOUNT       | QUANT     | AMOUNT      | QUANT    | AMOUNT       | QUANT   | AMOUNT      | QUANT            | AMOUNT       | QUANT     | AMOUNT    |
| 1    | Mobilization                              | LS    | 36,971.14  | All      | \$ 36,971.14 | 0         | \$ -        | 1        | \$ 36,971.14 | 0       | \$ -        | 1                | \$ 36,971.14 | 0         | \$ -      |
| 2    | Work Zone Traffic Control, Complete       | LS    | 2,500.00   | All      | \$ 2,500.00  | 0.25      | \$ 625.00   | 1        | \$ 2,500.00  | 0.25    | \$ 625.00   | 1.25             | \$ 3,125.00  | 0         | \$ -      |
| 3    | Temporary Signs                           | SQFT  | 10.00      | 160.5    | \$ 1,605.00  | 37.5      | \$ 375.00   | 198.0    | \$ 1,980.00  | 0       | \$ -        | 198.0            | \$ 1,980.00  | 0         | \$ -      |
| 4    | Temporary Concrete Barrier, ReflectORIZED | FOOT  | 35.00      | 287.5    | \$ 10,062.50 | 2.3       | \$ 80.50    | 289.8    | \$ 10,143.00 | 0       | \$ -        | 289.8            | \$ 10,143.00 | 0         | \$ -      |
| 5    | Temporary Impact Attenuator               | EACH  | 65.00      | 24       | \$ 1,560.00  | 0         | \$ -        | 24       | \$ 1,560.00  | 0       | \$ -        | 24               | \$ 1,560.00  | 0         | \$ -      |
| 6    | Surface Mounted Tubular Markers           | EACH  | 45.00      | 40       | \$ 1,800.00  | 0         | \$ -        | 40       | \$ 1,800.00  | 0       | \$ -        | 40               | \$ 1,800.00  | 0         | \$ -      |
| 7    | Temporary Striping                        | SQFT  | 2.49       | 24.0     | \$ 59.76     | 0         | \$ -        | 24.0     | \$ 59.76     | 0       | \$ -        | 24.0             | \$ 59.76     | 0         | \$ -      |
| 8    | Portable Traffic Signal                   | EACH  | 5,750.00   | 2        | \$ 11,500.00 | 0         | \$ -        | 2        | \$ 11,500.00 | 0       | \$ -        | 2                | \$ 11,500.00 | 0         | \$ -      |
| 9    | Flags                                     | HOURL | 45.00      | 160.0    | \$ 7,200.00  | 0         | \$ -        | 158.0    | \$ 7,110.00  | 0       | \$ -        | 158.0            | \$ 7,110.00  | 2.0       | \$ 90.00  |
| 10   | Erosion Control                           | LS    | 1,000.00   | All      | \$ 1,000.00  | 0         | \$ -        | 0.75     | \$ 750.00    | 0       | \$ -        | 0.75             | \$ 750.00    | 0.25      | \$ 250.00 |
| 11   | Sediment Barrier                          | FOOT  | 3.50       | 696.0    | \$ 2,436.00  | -146.0    | \$ (511.00) | 550.0    | \$ 1,925.00  | 0       | \$ -        | 550.0            | \$ 1,925.00  | 0         | \$ -      |
| 12   | Pollution Control Plan                    | LS    | 500.00     | All      | \$ 500.00    | 0         | \$ -        | 0.80     | \$ 400.00    | 0       | \$ -        | 0.80             | \$ 400.00    | 0.20      | \$ 100.00 |
| 13   | Work Containment Plan and System          | LS    | 7,500.00   | All      | \$ 7,500.00  | 0         | \$ -        | 1        | \$ 7,500.00  | 0       | \$ -        | 1                | \$ 7,500.00  | 0         | \$ -      |
| 14   | Construction Survey Work                  | LS    | 7,500.00   | All      | \$ 7,500.00  | 0         | \$ -        | 1        | \$ 7,500.00  | 0       | \$ -        | 1                | \$ 7,500.00  | 0         | \$ -      |
| 15   | Removal of Structures and Obstructions    | LS    | 1,500.00   | All      | \$ 1,500.00  | 0         | \$ -        | 1        | \$ 1,500.00  | 0       | \$ -        | 1                | \$ 1,500.00  | 0         | \$ -      |
| 16   | Removal of Surfacings                     | SQYD  | 5.00       | 1,128.3  | \$ 5,641.50  | 169.0     | \$ 845.00   | 1,297.3  | \$ 6,486.50  | 0       | \$ -        | 1,297.3          | \$ 6,486.50  | 0         | \$ -      |
| 17   | Asphalt Pavement Saw Cutting              | FOOT  | 5.00       | 50.0     | \$ 250.00    | 385.0     | \$ 1,925.00 | 435.0    | \$ 2,175.00  | 0       | \$ -        | 435.0            | \$ 2,175.00  | 0         | \$ -      |
| 18   | Clearing and Grubbing                     | LS    | 2,500.00   | All      | \$ 2,500.00  | 0         | \$ -        | 1        | \$ 2,500.00  | 0       | \$ -        | 1                | \$ 2,500.00  | 0         | \$ -      |
| 19   | General Excavation                        | CUYD  | 12.00      | 450.0    | \$ 5,400.00  | 35.1      | \$ 421.20   | 485.1    | \$ 5,821.20  | 0       | \$ -        | 485.1            | \$ 5,821.20  | 0         | \$ -      |
| 20   | Subgrade Geotextile                       | SQYD  | 1.25       | 1,448.0  | \$ 1,810.00  | -637.9    | \$ (797.38) | 810.1    | \$ 1,012.63  | 0       | \$ -        | 810.1            | \$ 1,012.63  | 0         | \$ -      |
| 21   | Rip Rap Geotextile, Type 1                | SQYD  | 10.00      | 7.1      | \$ 71.00     | 8.5       | \$ 85.00    | 15.6     | \$ 156.00    | 0       | \$ -        | 15.6             | \$ 156.00    | 0         | \$ -      |
| 22   | Loose Rip Rap, Class 50                   | CUYD  | 100.00     | 2.0      | \$ 200.00    | 3.2       | \$ 320.00   | 5.2      | \$ 520.00    | 0       | \$ -        | 5.2              | \$ 520.00    | 0         | \$ -      |
| 23   | Drainage Curb                             | FOOT  | 22.50      | 132.0    | \$ 2,970.00  | -10.0     | \$ (225.00) | 0        | \$ -         | 122.0   | \$ 2,745.00 | 122.0            | \$ 2,745.00  | 0         | \$ -      |
| 24   | Bridge Removal Work                       | LS    | 13,500.00  | All      | \$ 13,500.00 | 0         | \$ -        | 1        | \$ 13,500.00 | 0       | \$ -        | 1                | \$ 13,500.00 | 0         | \$ -      |
| 25   | Shoring, Cribbing, and Cofferdams         | LS    | 6,500.00   | All      | \$ 6,500.00  | 0         | \$ -        | 1        | \$ 6,500.00  | 0       | \$ -        | 1                | \$ 6,500.00  | 0         | \$ -      |
| 26   | Structure Excavation                      | LS    | 5,000.00   | All      | \$ 5,000.00  | 0         | \$ -        | 1        | \$ 5,000.00  | 0       | \$ -        | 1                | \$ 5,000.00  | 0         | \$ -      |

| Item | DESCRIPTION                             | UNIT | UNIT PRICE   | CONTRACT             |               | AMENDMENT |               | PREVIOUS      |               | CURRENT |             | COMPLETE TO DATE |               | REMAINING |              |
|------|---|------|--------------|----------------------|---------------|-----------|---------------|---------------|---------------|---------|-------------|------------------|---------------|-----------|--------------|
|      |   |      |              | QUANT                | AMOUNT        | QUANT     | AMOUNT        | QUANT         | AMOUNT        | QUANT   | AMOUNT      | QUANT            | AMOUNT        | QUANT     | AMOUNT       |
| 27   | Granular Structure Backfill             | LS   | \$ 2,500.00  | All                  | \$ 2,500.00   | 0         | \$ -          | 1             | \$ 2,500.00   | 0       | \$ -        | 1                | \$ 2,500.00   | 0         | \$ -         |
| 28   | Furnish Pile Driving Equipment          | LS   | \$ 8,500.00  | All                  | \$ 8,500.00   | 0         | \$ -          | 1             | \$ 8,500.00   | 0       | \$ -        | 1                | \$ 8,500.00   | 0         | \$ -         |
| 29   | Furnish HP 14x89 Steel Piles            | FOOT | \$ 50.00     | 204                  | \$ 10,200.00  | 109       | \$ 5,450.00   | 313           | \$ 15,650.00  | 0       | \$ -        | 313              | \$ 15,650.00  | 0         | \$ -         |
| 30   | Drive HP 14x89 Steel Piles              | EACH | \$ 350.00    | 12                   | \$ 4,200.00   | 0         | \$ -          | 12            | \$ 4,200.00   | 0       | \$ -        | 12               | \$ 4,200.00   | 0         | \$ -         |
| 31   | HP 14x89 Steel Pile Splices             | EACH | \$ 250.00    | 6                    | \$ 1,500.00   | 5         | \$ 1,250.00   | 11            | \$ 2,750.00   | 0       | \$ -        | 11               | \$ 2,750.00   | 0         | \$ -         |
| 32   | HP 14x89 Steel Pile Reinforced Tips     | EACH | \$ 161.18    | 12                   | \$ 1,934.16   | 0         | \$ -          | 12            | \$ 1,934.16   | 0       | \$ -        | 12               | \$ 1,934.16   | 0         | \$ -         |
| 33   | Reinforcement                           | LS   | \$ 8,243.26  | All                  | \$ 8,243.26   | 0         | \$ -          | 1             | \$ 8,243.26   | 0       | \$ -        | 1                | \$ 8,243.26   | 0         | \$ -         |
| 34   | General Structural Concrete, Class 3300 | LS   | \$ 20,000.00 | All                  | \$ 20,000.00  | 0         | \$ -          | 1             | \$ 20,000.00  | 0       | \$ -        | 1                | \$ 20,000.00  | 0         | \$ -         |
| 35   | Reinforced Concrete Bridge End Panels   | SQYD | \$ 240.00    | 145                  | \$ 34,800.00  | 0         | \$ -          | 145.0         | \$ 34,800.00  | 0       | \$ -        | 145.0            | \$ 34,800.00  | 0         | \$ -         |
| 36   | 30 Inch Precast Prestressed Box Beams   | FOOT | \$ 255.00    | 687.0                | \$ 175,185.00 | 0         | \$ -          | 687.0         | \$ 175,185.00 | 0       | \$ -        | 687.0            | \$ 175,185.00 | 0         | \$ -         |
| 37   | 2 Tube Steel Rail, Side Mounted         | LS   | \$ 27,500.00 | All                  | \$ 27,500.00  | 0         | \$ -          | 1             | \$ 27,500.00  | 0       | \$ -        | 1                | \$ 27,500.00  | 0         | \$ -         |
| 38   | Warranted Spray Waterproofing Membrane  | SQFT | \$ 4.76      | 2,750.0              | \$ 13,090.00  | 0         | \$ -          | 0             | \$ -          | 0       | \$ -        | 0                | \$ -          | 2,750.0   | \$ 13,090.00 |
| 39   | Aggregate Base                          | TON  | \$ 18.50     | 1,461.60             | \$ 27,039.60  | 0         | \$ -          | 805.84        | \$ 14,908.04  | 0       | \$ -        | 805.84           | \$ 14,908.04  | 655.76    | \$ 12,131.56 |
| 40   | Level 3, 1/2 Inch Dense Graded MHMAC    | TON  | \$ 76.00     | 517.00               | \$ 39,292.00  | 0         | \$ -          | 274.13        | \$ 20,833.88  | 0       | \$ -        | 274.13           | \$ 20,833.88  | 242.87    | \$ 18,458.12 |
| 41   | Guardrail, Type 2a                      | FOOT | \$ 23.70     | 150.0                | \$ 3,555.00   | 0         | \$ -          | 150.0         | \$ 3,555.00   | 0       | \$ -        | 150.0            | \$ 3,555.00   | 0         | \$ -         |
| 42   | Guardrail, Type 3a                      | FOOT | \$ 51.00     | 50.0                 | \$ 2,550.00   | 0         | \$ -          | 50.0          | \$ 2,550.00   | 0       | \$ -        | 50.0             | \$ 2,550.00   | 0         | \$ -         |
| 43   | Guardrail Transition                    | EACH | \$ 1,725.00  | 4                    | \$ 6,900.00   | 0         | \$ -          | 4             | \$ 6,900.00   | 0       | \$ -        | 4                | \$ 6,900.00   | 0         | \$ -         |
| 44   | Guardrail Terminals, Non-Flared, TL-3   | EACH | \$ 2,125.00  | 3                    | \$ 6,375.00   | 0         | \$ -          | 3             | \$ 6,375.00   | 0       | \$ -        | 3                | \$ 6,375.00   | 0         | \$ -         |
| 45   | Guardrail Terminals, Flared, TL-3       | EACH | \$ 1,885.00  | 1                    | \$ 1,885.00   | 0         | \$ -          | 1             | \$ 1,885.00   | 0       | \$ -        | 1                | \$ 1,885.00   | 0         | \$ -         |
| 46   | Pavement Line Removal                   | FOOT | \$ 3.00      | 50                   | \$ 150.00     | 22        | \$ 66.00      | 0             | \$ -          | 72      | \$ 216.00   | 72               | \$ 216.00     | 0         | \$ -         |
| 47   | Longitudinal Pavement Markings, Paint   | FOOT | \$ 0.92      | 1,070.0              | \$ 984.40     | 1,068.0   | \$ 982.56     | 2,000.0       | \$ 1,840.00   | 138.0   | \$ 126.96   | 2,138.0          | \$ 1,966.96   | 0         | \$ -         |
| 48   | Type "O" Signs In Place                 | SQFT | \$ 25.00     | 12.0                 | \$ 300.00     | 0         | \$ -          | 0             | \$ -          | 12.0    | \$ 300.00   | 12.0             | \$ 300.00     | 0         | \$ -         |
| 49   | Seeding Mobilization                    | LS   | \$ 1,000.00  | All                  | \$ 1,000.00   | 0         | \$ -          | 1             | \$ 1,000.00   | 0       | \$ -        | 1                | \$ 1,000.00   | 0         | \$ -         |
| 50   | Permanent Seeding                       | ACRE | \$ 7,500.00  | 0.1                  | \$ 750.00     | 0         | \$ -          | 0             | \$ -          | 0.07    | \$ 525.00   | 0.07             | \$ 525.00     | 0.03      | \$ 225.00    |
| 51   | Remove and Relocate Fence               | LS   | \$ 1,500.00  | All                  | \$ 1,500.00   | -1        | \$ (1,500.00) | 0             | \$ -          | 0       | \$ -        | 0                | \$ -          | 0         | \$ -         |
| 52   | Stormwater Facility                     | LS   | \$ 1,500.00  | All                  | \$ 1,500.00   | 0         | \$ -          | 0.80          | \$ 1,200.00   | 0       | \$ -        | 0.80             | \$ 1,200.00   | 0.20      | \$ 300.00    |
|      |   |      |              | Sub Total            | \$ 538,970.32 |           | \$ 9,391.89   |               | \$ 499,179.57 |         | \$ 4,537.96 |                  | \$ 503,717.53 |           | \$ 44,644.68 |
|      |   |      |              | LESS RETAINAGE (5%)  |               |           |               |               | \$ 24,958.98  |         |             |                  | \$ 25,185.88  |           | \$ 2,232.23  |
|      |   |      |              | PAID TO DATE         |               |           |               | \$ 474,220.59 |               |         |             |                  | \$ 476,531.65 |           | \$ 42,412.45 |
|      |   |      |              | LESS AMOUNT PAID     |               |           |               |               |               |         |             |                  | \$ 474,220.59 |           |              |
|      |   |      |              | AMOUNT DUE THIS EST. |               |           |               |               |               |         |             |                  | \$ 4,311.06   |           |              |

INSPECTOR'S SIGNATURE \_\_\_\_\_

ENGINEER'S SIGNATURE \_\_\_\_\_

## CHANGE ORDER

Contract for: **Hamilton Creek (Upper Berlin Drive) Bridge**  
 Contractor: **Tom Ayres General Contractor, Inc.**

Change Order No.: **1 (Amending 2013-182)**  
 Contract Date: **July 24, 2013**

This Change Order shall become effective when it has been signed by all parties.

| DESCRIPTION OF WORK  | TOTAL COST    |
|--|---------------|
| 1) Bid Item No. 27, Delete the word "Wall" and replace with the word "Structure" | \$0.00        |
| <b>TOTAL ESTIMATED COST</b>  | <b>\$0.00</b> |

SUMMARY:

|                  |     |
|------------------|-----|
| Total Additions  | \$0 |
| Total Deductions | \$0 |
| Net Total        | \$0 |

STATEMENT OF ACCOUNT:

|                           |              |
|---------------------------|--------------|
| Original Contract Price   | \$538,970.32 |
| Previous Change Order No. | \$0.00       |
| Sub-Total                 | \$538,970.32 |
| This Change Order         | \$0          |
| Revised Contract Amount   | \$538,970.32 |

The undersigned hereby agrees to make the above changes subject to the terms of this Change Order and in accordance with all applicable contract specifications.

TOM AYRES GENERAL CONTRACTOR, INC.

LINN COUNTY BOARD OF COMMISSIONERS

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Chairman

\_\_\_\_\_  
Title

\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Date

\_\_\_\_\_  
Commissioner

\_\_\_\_\_  
Date

RECOMMENDED APPROVAL

\_\_\_\_\_  
Initials

\_\_\_\_\_  
Linn County (Roadmaster)

\_\_\_\_\_  
Linn County Engineer

\_\_\_\_\_  
Date

Date: September 17, 2013

Re: Hamilton Creek (Upper Berlin Drive) Bridge  
Summary of Change Order

The following is a brief explanation/justification of the Change Order for the Hamilton Creek (Upper Berlin Drive) Bridge Project.

The gradation specifications for granular wall backfill is not a readily available material. The open graded granular structure backfill will meet the intended purpose of this material.

Tom Ayres General Contractor, Inc., the Linn County Project Manager and Project Engineer have mutually developed this agreement that benefits both the contractor and Linn County.

Prepared by: Daineal Malone, P.E., Project Manager

Kevin Groom, P.E. , Project Engineer

Reviewed by: Chuck Knoll, P.E., Linn County Engineer