

STATE - LPA
PROFESSIONAL SERVICES, LPA STAFF
CONSTRUCTION ENGINEERING SERVICES

CITY OF LINCOLN, NEBRASKA
NEBRASKA DEPARTMENT OF ROADS
PROJECT NO. STPN-BR-TNT-5267(1)
CONTROL NO. 12744
SW 40TH STREET

THIS AGREEMENT, made and entered into by and between the City of Lincoln, Nebraska hereinafter referred to as the "LPA", and the State of Nebraska, Department of Roads, hereinafter referred to as the "State", and collectively referred to as the "Parties"

WITNESSETH:

WHEREAS, LPA has completed or is in the process of completing plans, special provisions, and standard specifications for the letting and construction of a federal-aid transportation related construction project, and

WHEREAS, the LPA and State have entered into Program Agreement, BN1212, for the above named project executed by the LPA on September 13, 2012 and executed by the State on September 18, 2012, and

WHEREAS, the LPA's federal-aid project is designated as Project No. STPN-BR-TMT-5267(1), and

WHEREAS, the project identified above is solely the responsibility of the LPA; the State's involvement in this project is for the sole purpose of acting as the representative of the Federal Highway Administration (FHWA) for eligibility of the project for federal funding;

WHEREAS, the LPA desires to use its own staff to perform the necessary professional construction engineering services for this project, and

WHEREAS, the LPA desires to be reimbursed for this work from Federal funds made available for this project, and

WHEREAS, the LPA staff is properly qualified to complete this work and has met all applicable requirements of the Nebraska Board of Engineers and Architects to provide professional services for this project, and

WHEREAS, LPA is willing to perform the services in accordance with the terms hereinafter provided, agrees to comply with all federal, state, and local laws and ordinances applicable to this agreement, and agrees to comply with all applicable federal-aid transportation

project related program requirements, so that LPA's project will be fully eligible for federal reimbursement, and

WHEREAS, the State is willing to reimburse LPA for its work under this Agreement with federal funds so long as the LPA meets all applicable federal and state federal-aid reimbursement laws and requirements, and

WHEREAS, the State has let or will let a construction contract for the project on behalf of the LPA, and

WHEREAS, the parties intend that the services also be completed in accordance with the terms and conditions of the Nebraska LPA Guidelines Manual for Federal Aid Projects; hereinafter referred to as LPA Manual, and

WHEREAS, the LPA is required to use the State provided construction recordkeeping system (Trans•Port Site Manager), for the Services provided under this agreement.

NOW THEREFORE, in consideration of these facts, the parties hereto agree as follows:

SECTION 1. DEFINITIONS

WHEREVER in this agreement the following terms are used, they shall have the following meaning:

"LPA" means the City of Lincoln, Nebraska and any employees thereof, whose business and mailing address is 901 West Bond, Suite 100, Lincoln, NE 68521, and

"LPA MANUAL" shall mean the Nebraska Department of Roads' LPA Guidelines Manual for Federal-Aid Projects. The LPA Manual is a document approved by the Federal Highway Administration (FHWA) that sets out the requirements for local federal-aid projects to be eligible for federal reimbursement; the LPA Manual can be found in its entirety at the following web address: <http://www.dor.state.ne.us/gov-aff/lpa/lpa-guidelines.pdf>, and

"RESPONSIBLE CHARGE" or "RC" shall mean LPA's representative for the project whose duties and responsibilities are identified in federal law and in the LPA Manual, and

"STATE" means the Nebraska Department of Roads in Lincoln, Nebraska, its Director, or authorized representative. The State represents the interests of the United States Department of Transportation on federally funded transportation projects sponsored by a sub recipient of federal funds and any reference to the "State" in this Agreement shall mean the State on behalf of the United States Department of Transportation.

"FHWA" means the Federal Highway Administration, United States Department of Transportation, Washington, D.C. 20590, acting through its authorized representatives.

"DOT" means the United States Department of Transportation, Washington, D.C. 20590,

acting through its authorized representatives.

"STATE REPRESENTATIVE" means an employee of the State assigned by the State to observe whether the LPA's project meets the eligibility requirements for federal funding and to provide technical assistance when requested by the LPA, in LPAs efforts to comply with the requirements for Federal-aid funded local projects.

"PHASE OF WORK" means the distinct work phases established for federal aid transportation projects and are the following;

1. Preliminary Engineering/NEPA (*PE*)
2. Final Design
3. Right-of-Way (*ROW*)
4. Utilities
5. Construction Engineering (*CE*)
6. Construction

Each new work phase requires FHWA to: 1) approve obligation of funds, 2) authorize work in that phase to begin, and 3) NDOR to issue a notice-to-proceed to the LPA.

To "ABANDON" the Agreement means that the State has determined that conditions or intentions as originally existed have changed and that the Agreement as contemplated herein is to be renounced and deserted for as long in the future as can be foreseen.

To "SUSPEND" the work means that the State has determined that progress is not sufficient, or that the conditions or intentions as originally existed have changed, or the work completed or submitted is unsatisfactory, and that the work as contemplated herein should be stopped on a temporary basis. This cessation will prevail until the State determines to abandon or terminate the work or to reinstate it under the conditions as defined in this agreement.

To "TERMINATE" or the "TERMINATION" of this agreement is the cessation or quitting of this agreement based upon action or failure of action on the part of the LPA as defined herein and as determined by the State.

SECTION 2. PROGRAM AGREEMENT

All provisions of the project program agreement remain in full force and effect, except to the extent specifically modified herein.

SECTION 3. SCOPE OF SERVICES

LPA understands that the Services provided by LPA must be completed in accordance with all federal-aid reimbursement requirements and conditions. LPA agrees that the Scope of Services for this work will be in two parts. Part one of the Scope of Services is contained within

specify sequencing of work, equipment requirements, or other construction methods, the LPA shall keep the Owner's RC informed about the progress and quality of the portion of the work and shall advise the RC about observed or measured deficiencies in the work.

SECTION 4. NEW EMPLOYEE WORK ELIGIBILITY STATUS (This version is for LPA provided professional services agreement only.)

The LPA agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska under this agreement. The LPA hereby agrees to contractually require any Consultants or Subconsultants to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

The undersigned duly authorized representative of the LPA, by signing this agreement, hereby attests to the truth of the following certifications, and agrees as follows:

Neb.Rev.Stat. § 4-114. I certify compliance with the provisions of Section 4-114 and, hereby certify that this Local Public Agency shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. I agree to require all Subconsultants, by contractual agreement, to require the same registration and verification process.

SECTION 5. NOTICE TO PROCEED AND COMPLETION

The State will issue the LPA a written Notice-to-Proceed (NTP) upon full execution of this agreement and upon verification that Federal funding approval has been obtained for the services under this agreement. Any work or services performed by LPA on the project prior to the date specified in the written Notice-to-Proceed is not eligible for reimbursement. LPA agrees to prosecute this work promptly to completion.

State authorized changes in the scope of services, which increase or decrease work-hours or services required of the LPA, will provide the basis for changes to the total costs of the services under this agreement.

The LPA shall complete all work under this agreement within 45 calendar days after the date of final acceptance of the project construction by the LPA. Any costs incurred by LPA after the

completion deadline are not eligible for federal funding reimbursement unless the LPA has received an extension of time in writing from the State and the LPA has federal funding approval for the extension of time.

SECTION 6. CONFLICT OF INTEREST

The LPA shall review the Conflict of Interest provisions of 23 CFR 1.33 and 49 CFR 18.36(b)(3) and agrees to comply with all the Conflict of Interest provisions in order for the project to remain fully eligible for State or Federal funding. LPA should review, understand and follow the instructions provided in the **NDOR CONFLICT OF INTEREST GUIDANCE**

DOCUMENT for LPA OFFICIALS, EMPLOYEES & AGENTS for LOCAL FEDERAL-AID

TRANSPORTATION PROJECTS located on the State website at the following location:

<http://www.dor.state.ne.us/gov-aff/lpa/chapter-forms/coi/coi-guidance-doc-lpa.pdf>

In the event a consultant is used by the LPA on this project, the consultant must also complete and sign the **CONFLICT OF INTEREST DISCLOSURE FORM FOR CONSULTANTS for Local Federal-aid Transportation Projects**, for each project. This form is located on the State website at the following location:

<http://www.dor.state.ne.us/gov-aff/lpa/chapter-forms/coi/coi-disclosure-doc-consultant.pdf>

Consultants and sub-consultants providing services for LPA's, or submitting proposals for services, shall have the duty to notify the LPA and the NDOR LPD PC and submit a revised Conflict of Interest Disclosure Form for Consultants for any changes in circumstances, or discovery of any additional facts, that could result in someone employed by, or who has an ownership, personal, or other interest with Consultant or sub-consultant having a real or potential conflict of interest on an LPA federal-aid transportation project.

SECTION 7. REIMBURSEMENT AND INVOICING

For performance of the services described in this agreement, the LPA will be reimbursed for direct costs and indirect costs as defined below in this section, that are allowable subject to the terms of this agreement and to all requirements and limitations of the State policies and the federal cost principles contained in 2 CFR 225 – Cost Principles for State, Local and Tribal Governments and the Federal Acquisition Regulation (48 CFR 31). The total agreement amount is \$1,479,759.44.

A. **Direct costs** must be incurred specifically for the services performed under this agreement, and include:

1. Direct Labor Costs –

(a) **Hourly Rates:** For time devoted and identified specifically for work under this agreement and based upon actual hours as documented by time reports that account for all hours compensated during the pay period and billed at actual labor rates.

(b) **Time Reports:** The hours charged to the project must be supported by adequate time distribution records that clearly indicate the distribution of hours to all projects/activities on a daily basis for the entire pay period. Time reports must provide a clear identifying link to the projects: such as project description, project number, pertinent work phase, dates of service, and the individual's name and position (*as required by LPA Manual Chapter 13, paragraph. 13.4.7*). There must be an adequate system of internal controls in place to ensure that time charges are correct and have the appropriate supervisory approval.

2. **Labor Fringe Benefits** – provided they are:

- a) reasonable,
- b) required either by law, labor agreements or an established policy of the LPA,
- c) are equitably allocated to all activities,
- d) the accounting basis (cash or accrual) is consistently followed by the LPA,
- e) are eligible in accordance with 2 CFR part 225 (OMB Circular A-87), and
- f) the allocation rate has been reviewed and approved by NDOR and/or FHWA for the work under this agreement. Fringe benefit costs include:

- Paid Leaves (holiday, vacation, sick, court, military, etc.)
- Employer contributions or expenses for:
 - a. Social Security and Medicare
 - b. Employee life and life insurance
 - c. Unemployment insurance
 - d. Worker's compensation insurance
 - e. Retirement/Pension plan costs
 - f. Other similar benefits

3. **Direct Non-labor costs** – These costs include all necessary, actual, and allowable costs related to completing the work under the agreement, subject to limitations and restrictions described below and in the Program Agreement, including but not limited to: meals, lodging, mileage, subject to the limitations outlined below; communication costs; reproduction and printing costs; special equipment and materials required for the project;

Meals are not eligible for reimbursement if the employee eats within 20 miles of the headquarters town of the employee.

The LPA shall note the actual lodging and meal costs in a daily diary, expense report, or on the individual's time report along with the time of departure to the project and time of return to the headquarters town. The total daily meal costs must not exceed the GSA rates set out above.

B. **Indirect Cost Rates** are incurred for common purposes and provide a benefit to the entire organizational entity. These costs are recovered through an indirect cost rate applied as a percentage to direct labor. LPA's indirect costs will only be allowed under the following conditions:

- 1) The LPA has an indirect cost rate that is supported by an Indirect Cost Allocation Plan (ICAP) which has been developed in accordance with 2 CFR 225 – Cost Principles for State, Local and Tribal Governments [OMB Circular A-87], and
- 2) The indirect cost allocation rate has been approved in advance by NDOR. *(If the LPA has already in place an ICAP which has been reviewed and approved by the LPA's cognizant Federal agency, the ICAP will be considered for acceptance by FHWA and NDOR.)*

C. **Invoices and Progress Reports.** The LPA shall submit invoices to the State no more frequently than at monthly intervals. The invoices must present actual direct and indirect costs, as described above, billed for that period. The invoices must identify each employee by name and classification, the hours worked, and each individual's actual labor cost. Direct non-labor expenses must be itemized and provide a complete description of each item billed.

Each monthly invoice must be substantiated by a progress report which is to include/address, as a minimum:

1. A description of the work completed for that period
2. A description of the work anticipated for the next pay period
3. Information needed from the State
4. Percent of work completed to date
5. A completed "Cost Breakdown Form" which is located on the State's webpage at www.transportation.nebraska.gov/rfp.

If the LPA does not submit a monthly invoice, it shall submit its progress report monthly.

- D. **Progress Payments.** Payments will not be made unless the monthly progress reports provide adequate substantiation for the work and whether the State determines that the work has been properly completed. The State will make a reasonable effort to pay the LPA within 30 days of receipt of the LPA invoices.
- E. **Final Invoice.** Upon completion of the work under this agreement, the LPA shall submit their final invoice identifying it as the final invoice.
- F. **Final Payment.** Upon determination that the work was adequately substantiated and satisfactory, reimbursement will be made for any remaining billed eligible actual costs. The acceptance by the LPA of the final payment will constitute and operate as a release to the State for all claims and liability to the LPA, its representatives, and assigns, for any and all things done, furnished, or relating to the services rendered by or in connection with this agreement or any part thereof.
- G. **Audit and Final Cost Adjustment.** When the work is completed, the State will complete an audit review of the payments made under this agreement. The LPA agrees to reimburse the State for any overpayments identified in the audit review, and the State agrees to reimburse the LPA for any identified underpayments. The LPA agrees to pay the State within thirty days after receipt of a billing from the State.
- H. **LPA Cost Record Retention.** The LPA shall maintain, all books, documents, papers, accounting records, and other evidence pertaining to costs incurred and shall make such material available for examination at its office at all reasonable times during the agreement period and for three years from the date of final cost settlement by FHWA under this agreement and project closeout by the State. Such materials must be available for inspection by the State, FHWA, or any authorized representative of the federal government, and when requested, the LPA shall furnish copies.

SECTION 8. GENERAL REQUIREMENTS:

- A. The LPA shall advise the State when it appears any Disadvantaged Business Enterprise (DBE) working on the project is in need of assistance.
- B. The LPA shall make every effort to assist the Contractor or any Subcontractor in interpreting Project Plans, Special Provisions, Standard Specifications, other Construction Contract Documents, or the Manuals.
- C. The LPA will be present at the project site or available at LPA's Offices beginning on the date specified in the LPA's notice to proceed to the contractor, unless project work has not begun at the site; or, with at least 24 hours notice, at any prior date (1) when contract

work begins or when materials are delivered to the project that need to be tested, sampled or inspected to verify conformance to the requirements of the Construction Contract Documents.

- D. The LPA will review and approve the performance of all construction work on the project, with the right, but not the duty for the State and FHWA to review for compliance or funding eligibility.
- E. All reports of field tests performed by the LPA will be submitted weekly to the State Representative (two copies). LPA will take appropriate action to reject or remedy the work or materials that do not conform with the contract documents.
- F. The LPA shall comply with all Federal, State and local laws, rules or regulations, policies or procedures, and ordinances applicable to the work contemplated in this agreement.
- G. Project time delays attributed solely to the Contractor will constitute a basis for a request for an equivalent extension of time for the LPA. The parties understand that federal reimbursement of extra compensation must be approved in advance as described in the Fees and Payments Section of this agreement.
- H. The sampling and testing type, method and frequency must be completed by LPA according to the current State of Nebraska Manuals, including the Materials Sampling Guide and the State Standard Methods of Tests (www.dor.state.ne.us), and the Construction Contract Documents. For sampling or testing issues or situations that are not covered in the Construction Contract Documents or the Manuals, LPA shall decide what testing type, method or frequency should be applied for this project. Any test methods or procedures that are proposed to be used and are not covered by NDOR procedures must receive prior concurrence for use from NDOR and FHWA.

SECTION 9. OWNERSHIP OF DOCUMENTS:

The diaries, reports, field books, shop drawings, surveys, plans, specifications, maps, computations, charts, and electronic project data and all other project documents prepared or obtained are the property of the LPA. At the conclusion of the project, the LPA shall include these documents in the LPA's federal-aid project file. Further, LPAs time sheets and payroll documents shall be kept in LPAs files for at least three years after the project acceptance by FHWA.

SECTION 10. PROFESSIONAL PERFORMANCE

The LPA understands that it is solely responsible for the quality of the professional services it is providing for this project. LPA believes that LPA employees have the necessary

professional training, experience and ability to properly complete the work under this agreement. Any examination by the State, or FHWA, or any acceptance or use of, or acquiescence in the LPA's work product, will not be considered to be a full and comprehensive examination and will not be considered approval of the LPA's work product which would relieve the LPA from liability or expense that would be connected with the LPA's sole responsibility for the propriety and integrity of the professional work to be accomplished by the LPA pursuant to this Agreement.

The LPA further understands that acceptance or approval of any of the work of the LPA by the State or of payment, partial or final, will not constitute a waiver of any rights of the State, or in any way relieve the LPA from any liability or expenses due to error, omission, or negligence of the LPA in its work. That further, if due to error, omission, or negligence of the LPA, the work product of the LPA is found to be in error or there are omissions therein revealed during or after the construction of the project and revision, reconsideration or reworking of the LPA's work product is necessary, the LPA shall make such revisions without expense to the State. The LPA shall respond to the notice of any errors, omissions or negligence within 24 hours and give immediate attention to necessary corrections. If the LPA discovers errors in its work, it shall notify the State of the errors within 24 hours. Failure of the LPA to notify the State will constitute a breach of this Agreement. The LPA's legal liability for any or all damages incurred by the State or by others caused by error, omission, or negligent acts of the LPA will be borne by the LPA without liability or expense to the State and will not be considered eligible for reimbursement with federal funds.

SECTION 11. SUSPEND, ABANDON OR TERMINATE

The FHWA, or the State on its behalf has the absolute right to suspend or abandon the project or to change the general scope of work at any time and such action on its part will in no event be deemed a breach of this Agreement. The State can suspend or terminate this agreement at any time. The State will give the LPA seven days written notice of such suspension or termination.

If the State abandons or subtracts from the work, or suspends or terminates the agreement as presently outlined, the LPA will be reimbursed in accordance with the provisions of 48 CFR 31, provided however, that in case of suspension, abandonment, or termination for breach of this agreement or for improper work, the State can suspend reimbursements, pending the LPA's compliance with the provisions of this agreement. In determining the percentage of

work completed, the State will consider the work performed by the LPA prior to abandonment, suspension or termination to the total amount of work contemplated by this agreement.

SECTION 12. GENERAL COMPLIANCE WITH LAWS

The LPA hereby agrees to comply with all federal, state, and local laws and ordinances applicable to the work.

SECTION 13. DISPUTES

Any dispute concerning a question of fact in connection with the work not disposed of by this agreement will be referred for determination to the State or a duly authorized representative, whose decision in the matter will be final and conclusive on the parties to this agreement.

SECTION 14. HOLD HARMLESS PROVISION

The LPA agrees to save harmless the State from all claims and liability due to activities of the LPA or those of the LPA's agents or employees in the performance of work under this agreement.

SECTION 15. PROFESSIONAL REGISTRATION

When applicable, the LPA shall affix the seal of a registered professional engineer or architect licensed to practice in the State of Nebraska, on all documents, plans, and specifications prepared under this agreement as required by the Nebraska Engineers and Architects Regulations Act, Neb.Rev.Stat. 81-3401 et.seq.

SECTION 16. SUCCESSORS AND ASSIGNS

This agreement is binding on successors and assigns of either party.

SECTION 17. SUBLETTING, ASSIGNMENT, OR TRANSFER

Any subletting, assignment, or transfer of any professional services to be performed by the LPA is hereby prohibited unless prior written consent of the State is obtained.

SECTION 18. ALL ENCOMPASSED

This instrument embodies the whole agreement of the parties. There are no promises, terms, conditions, or obligations other than contained herein, and this agreement supersedes all previous communications, representations, or other agreements or contracts, either oral or written hereto.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their proper officials thereunto duly authorized as of the dates below indicated.

After being duly sworn on oath, I do hereby acknowledge the foregoing certification and state that I am authorized to sign this agreement for the firm.

EXECUTED by the Local Public Agency this ____ day of _____, 2013.

CITY OF LINCOLN
Chris Beutler

Mayor

STATE OF NEBRASKA)
)ss.
LANCASTER COUNTY)

Subscribed and sworn to before me this ____ day of _____, 2013.

Notary Public

EXECUTED by the State this ____ day of _____, 2013.

STATE OF NEBRASKA
DEPARTMENT OF ROADS
Jim Wilkinson, P.E.

Local Projects Engineer

Exhibit "A"
SCOPE OF SERVICES

CONSTRUCTION ENGINEERING
for

Project Name: SW 40th Street
Project Number: STPN-BR-TMT-5267(1)
Control Number: 12744

A. PROJECT DESCRIPTION

This scope provides for construction engineering services for the City of Lincoln in Lancaster County, Nebraska. The project consists of the following improvements: Construction of two new bridges, one over the BNSF railroad and the other over Middle Creek. Roadway improvements including concrete paving from 'O' Street to the bridge over the railroad and asphalt paving from the Middle Creek bridge to West 'F' Street along with a bike trail located on the east side of SW 40th Street. Construction of a new 16 inch water line from West 'O' St. to West 'F' Street.

It shall be the responsibility of the LPA to administer, monitor, and inspect construction such that the project is constructed in conformity with the plans, specifications, and special provisions.

The LPA shall inspect the Contractor's work to determine the progress and quality of work, identify discrepancies, report significant discrepancies to the RC and NDOR State Representative and direct the Contractor to correct such observed discrepancies.

B. APPLICABLE PUBLICATIONS

Work shall be done in accordance with the following materials as currently adopted at the time of letting:

1. AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing
2. The ASTM Standards
3. NDOR Materials Sampling Guide
4. NDOR Construction Manual
5. NDOR Standard Specifications for Highway Construction
6. Project Plans
7. Contract Special Provisions
8. Manual on Uniform Traffic Control Devices (MUTCD) and NDOR's supplement to the MUTCD.
9. NDOR Final Review Manual
10. NDOR Standard Method of Tests for Laboratory and Field

C. NDOR SHALL PROVIDE

The LPA, on an as needed basis, will furnish the following documents for the project.

1. Two copies of the Plans and Special Provisions
2. Other

These documents may be provided in either paper or electronic format.

D. LPA SHALL PROVIDE

1. Project Management and Coordination. This task includes activities to initiate and monitor project schedules, workload assignments and internal cost controls throughout the project. Also included are efforts to prepare and process invoices and monthly progress reports; prepare project correspondence with the LPA and/or NDOR; maintain project records; and perform other duties of the Project Manager as defined in the NDOR Standard Specifications for Highway Construction.

- 1.1 Project Management activities shall include the following:
- Project Management – Provide management of project including staffing, scheduling, invoicing, progress reports, and coordination with designer.
 - Prepare Change Orders and submit copies to the appropriate parties for approval and full execution.
 - Maintain detailed Project Records and keep them current. All records shall be available at the LPA's office.
 - Generate contractor's progress and final Estimates in Site Manager
 - Review Contractor's Construction Schedule
 - Coordinate with LPA and RC regarding all project activities.
 - Make entries of project data and diary information into Site Manager on a daily basis. Insure that inspectors and lab personnel are maintaining appropriate daily work reports and all material records.
2. Meetings. Project staff will meet with the LPA, the Contractor, and NDOR when requested by the State, and prepare minutes of the meeting.
- 2.1 Construction Inspection Planning Meeting - The LPA shall coordinate this meeting prior to start of construction to ensure roles and responsibilities are clear. Attendees should include the LPA RC, construction inspection personnel and NDOR State Representative.
- 2.2 Pre-Construction Meeting - Prepare the agenda, attend, and distribute meeting notes.
- 2.3 Construction Progress Meetings - Prepare the agenda, attend, and conduct periodic progress meetings with the LPA and/or NDOR personnel, contractor, sub-contractors, utility personnel, and other agencies affected by the project. FHWA shall be included for full Federal oversight projects. There will be approximately **129** meetings.
- 2.4 Public Meeting (If Required) - Assist the LPA with scheduling and conducting a Public Meeting with Contractor and Residents prior to the start of project.
- 2.5 Assume **30** trips to the project site for meetings.
3. Traffic Control Plan. LPA shall prepare a traffic control plan for the project site. These plan sheet(s) are to be signed by a Professional Engineer licensed in the State of Nebraska. Traffic Control plans shall be reviewed by the State Representative prior to placing in service LPA will use checklist 12-72 to audit and document the completion of this activity). Once the plans are completed, they are to be submitted to the Person of Responsible Charge (RC).
- 3.1 Prepare Traffic Control Plan in accordance to NDOR Standard Plans, MUTCD and the NDOR Supplement to the MUTCD. Sign and seal plans.
- 3.2 Review and approve Traffic Control Plan (If Completed by Contractor) for conformance to the Contract's Special Provisions.
- 3.3 Submit Plans to the RC for their records.
4. SWPPP Inspections/Manual Updates. LPA shall conduct inspections weekly and after every ½" or greater rain event according to permit regulations. The Stormwater Pollution Prevention Plan (SWPPP) Manual shall be updated according to NDOR and/or LPA requirements.
- 4.1 Conduct **140** Inspections
- 4.2 Update SWPPP Manual and Temporary Erosion Control Plan
- 4.3 Assume **140** trips to the project site for SWPPP Inspections.
5. Construction Survey/Staking. **Construction survey/staking is to be provided by the Contractor.** The following tasks are required if the LPA is providing Construction Surveying and Staking. This work shall be done in accordance with the NDOR Construction Manual.
- 5.1 Provide coordination of staking needs with Contractor.

- 5.2 — LPA shall verify and re-establish if necessary the survey control used during the preliminary engineering.
- 5.3 — Stake limits of construction throughout project.
- 5.4 — Mark removals including pavement removal limits. Stake right-of-way and construction easements.
- 5.5 — Provide slope stakes for grading
- 5.6 — Provide paving hubs. For structures storm sewer and pipe culverts, the LPA will provide grade stakes.
- 5.7 — Provide cross-section for new culverts before providing a Culvert Order List to Contractor.
- 5.8 — Stake fence relocation and guardrail.
- 5.9 — Stake silt fence.
- 5.10 — Verify existing tie in elevations and locations and adjust new pavement grades to meet existing pavement.
- 5.11 — Assume ___ trips to the project site for construction survey/staking.

All items will be staked one time. Except for re-staking required for staking done incorrectly, re-staking will be considered out-of-scope. If re-staking is required because of the activities of the Contractor, the fee for re-staking will be withheld from Contractor payment.

- 6. Construction Consultation/Site Manager & Daily Work Report (DWR). LPA shall contact RC/Designer as needed to obtain plan clarifications/interpretations. Maintain and review project materials and promptly enter information into Site Manager.
 - 6.1 Construction Consultation/SiteManager & Daily Work Report (DWR)
 - Review and Enter Data into SiteManager
 - Maintain Project Field Diaries, Files, and Record data in SiteManager
 - Document and Review Daily Work Reports (DWRs)
- 7. Girder Shim Surveying. (Bridge Projects Only) The Designer (PE) shall determine the girder shim values, which are defined as the differences in elevation between the top-of-girder elevation and the top-of-slab elevation necessary at known points along the length of the girder during placement of the deck to result in the finished top-of-slab elevation to be correct after the girder has deflected under the weight of the slab.
 - 7.1 Girder Shim Surveying
 - Shim shots will be taken at the locations as determined by the designer.
 - Elevations and rod readings need to be recorded by LPA and submitted to PE at the time the shim shots are taken.
- 8. Perform Bearing Calculations. If pile driving is required on the project, the LPA shall perform bearing capacity calculations in accordance with the NDOR Construction Manual.
 - 8.1 Perform Bearing Calculations
- 9. Construction Inspection. LPA shall perform material sampling and testing and complete inspection work and project management in accordance with the references list in Section B of this Exhibit. LPA shall assume the duties of "Inspector, (also referred to in the NDOR Construction Manual as "Construction Technician"), "Project Manager", and also "Engineer" (unless the context of use of the term "Engineer" would otherwise require), as those terms are defined and duties set out in the Standard Specifications for Highway Construction. LPA shall assume that it is responsible for all duties of the "Engineer" unless notified otherwise by RC on behalf of LPA.
 - 9.1 Construction Inspection: Duties for construction inspection will include, but are not limited to, the following items:
 - Conduct wage rate interviews and review payrolls for correctness and Davis-Bacon Wage Rate compliance
 - Verify that the performance of the work is in conformance with the plans, specifications, and special provisions.

- Conduct reviews for compliance with Disadvantaged Business Enterprise (DBE) commitments
 - The LPA is required to create checklists to document assessment and compliance with all environmental commitments for the project. An Environmental Compliance Inspection Audit will be conducted by NDOR personnel. (NDOR will use checklist 12-20 to document the audit of the LPA.) The environmental check list is to monitor and document construction activities for compliance with NEPA (Environmental Review Checklist, Section 404, NPDES, SWPPP, Threatened and Endangered Species, etc.)
 - NDOR will provide the Initial Threatened and Endangered Species surveys required as outlined in the conservation conditions; and follow up survey training for the LPA's environmental inspection personnel. Follow-up surveys as may be required will be the responsibility of the LPA. Any required surveys for compliance with the Migratory Bird Treaty Act will also be the responsibility of the LPA. NDOR will not conduct these surveys.
 - The LPA will provide NDOR 30 days advance notice of the need for the initial T&E surveys so that NDOR personnel can be scheduled to perform this work.
 - Review work zone traffic control devices daily and, at a minimum weekly interval, conduct a nighttime drive through review of temporary traffic control devices (per ATSSA Quality Standards for Work Zone Traffic Control Devices). Perform reflectivity check (DR form 481) of temporary devices at the start of construction activities and at six (6) month intervals or as conditions warrant.
 - Collect, sign/date, and file all delivery tickets and material certifications. All required material certifications shall be submitted to NDOR Materials & Research Division accompanied by a completed DR-12 sample ID form or Site Manager Sample Record ID.
 - Consultant shall forward shop drawings to the RC for review and approval by the design engineer. Shop drawing review is not part of the scope of services for this construction engineering agreement
 - Draft and review change order or time extension request including explanation of the issue and resolution and the justification for accepted prices and forward to RC. Once reviewed by NDOR and FHWA, proceed with the approval process. Forward a signed hardcopy to NDOR for further processing.
 - Communicate and coordinate plan revisions and change orders with the Designer.
 - Prepare a field checked culvert order list
 - Prepare guardrail order list
 - Generate periodic progress estimates using SiteManager and forward to RC for further approval.
 - Review critical path schedule prepared by the Contractor for appropriateness and Current Controlling Operation (CCO) designation.
 - On bridge projects, the Inspector shall take periodic survey shots with the assistance of one of the Contractor's to ensure compliance with the plans. Locate permanent pavement markings
- 9.2 Measure, calculate, and document quantities of pay items
- 9.3 Keep all records and data up-to-date so that all necessary information appears on the Weekly Report of Working Days when they are generated at mid-week.
- 9.4 Assume **500** trips to the site for construction inspection

10. Perform Material Sampling and Testing. The LPA shall perform material testing as required in accordance with the references list in Section B of this Exhibit. All testing and sampling personnel shall be certified to perform these duties in accordance with the NDOR Materials Sampling Guide section 28. All non-NDOR Laboratories shall be pre-qualified by NDOR's Materials and Research Division to conduct the testing they are contracted to perform.

NDOR SHALL PROVIDE:

Typical testing done by NDOR Materials and Research's Central lab (sampling and delivery for these materials is done by LPA and submitted to NDOR):

All Aggregate

- Quality and Soundness acceptance testing
- Gradation verification testing

PG Binders & Emulsions

- All required acceptance testing

All Steel Products

- All testing required for heat number pre-approval and acceptance testing

Chemical Lab

- All required source pre-approval and acceptance testing

Smoothness

- NDOR will run all 10% verification testing for projects with Smoothness
- Specifications for pavement. NDOR will perform bridge smoothness testing on bridges receiving pavement on either side of the bridge

LPA SHALL PROVIDE:

Concrete Testing

- Air content
- Slump
- Temperature
- Fabricating and testing Cylinders

Soils and Aggregate Testing

- Compaction
- Moisture content
- Proctor

10.1 Collect, verify, document and deliver all samples to testing lab

10.2 Collect, verify, document and deliver a copy of all required material certifications to the NDOR Materials and Research Central Lab.

10.3 Review and document test results of all samples and coordinate with owner for acceptance and incorporation into the project.

10.4 Assume **400** trips to the project site for Material Sampling and Testing.

11. As-Built Drawings. Prepare As-built drawings according to the LPA manual and the current directions from the NDOR Final Review Section.

11.1 As-Built Drawings

12. Final Inspections. LPA shall prepare a punch list of items for the project site and conduct a final project walk-through inspection with the LPA RC and NDOR State Representative to verify that corrective work identified on the punch list has been completed.

12.1 Walkthrough of Site and Preparation of Punch List

12.2 Review Project to verify that Punch List work has been completed (Owner will use LPA Manual checklist 12-75 to audit and document the completion of this activity)

13. Project Closeout. Assist RC with compiling project construction records as requested. Assemble and transmit Final Construction Records to LPA RC in paper format (printed single sided), including:

13.1 Project Closeout activities shall include the following:

- Project Manager's Final Estimate

- Copy of LPA PM's (representing LPA) Concurrence/Non-Concurrence Letter w/ Certified Mail Receipt Enclosed.
- Copy of Contractor's signed Concurrence/Non-Concurrence Letter
- Memo of Major Item Review
- Memo of Time Allowance Review (Required only if the Contractor has overrun on the Contract Time Allowance.)
- Borrow Site Memo
- City Agreement Letter
- Project Completion Memo - The LPA's PM should perform this in an e-mail to the NDOR Rep with the required information – check with the NDOR Rep for this. The LPA should ensure that the LPA RC sends a letter of Tentative Acceptance (per NDOR format) to the Contractor – send copies to the NDOR Rep.
- Sign Deduction Memo (If required)
- Material Review Memo
- SiteManager PM Diary Report
- SiteManager Contract Item Report for all Contract Items
- All NDOR Spreadsheets and Workbooks used for Contract Item supportive documentation.
- All Contractor-provided Asphalt QA/QC Test Results (asphalt projects)
- Project Culvert Field Book with information per the NDOR Construction Manual
- Signed and stamped As Built Plans (full size)
- Copy of Evaluation(s) of Contractor
- LPA CE Project Closeout Checklist (LPA Manual Checklist 14-10)
- Deliver Final Construction Records to LPA RC, including Form DR-299 - Project Construction Conformity Certification and ensure that the LPA RC completes the LPA RC Project Closeout Checklist (LPA Manual checklist 14-20 and includes it in the Final Records provided to the NDOR State Representative for review)

14. Other. (Additional project specific tasks may be added here)

14.1 Other

14.2 Other

E. SCHEDULE

1. Notice to Proceed: 1/15/2013
2. The LPA shall provide a schedule of activities and deliverables upon award

CONSTRUCTION ENGINEERING SERVICES

Project Cost

Project Name: SW 40th Street
 Project Number: STPN-BR-TMT-5267(1)
 Control Number: 12744
 Location (City, County): Lincoln, Lancaster
 Consultant Project Manager: Warren Wondercheck
 Phone/Email: (402) 540-2750, wwondercheck@lincoln.ne.gov
 LPA Responsible Charge: Devin Biesecker
 Phone/Email: (402) 937-5515/dbiesecker@lincoln.ne.gov
 NDOR Project Coordinator: Greg Wood
 Phone/Email: (402) 479-3831 greg.wood@nebraska.gov
 Date: December 9, 2012

LPA:
City of Lincoln

| Labor Costs: | Hours | Rate | Amount |
|---------------------------------|--------------|---------|---------------------|
| Personnel Classification | | | |
| Principal | | | |
| Project Manager | 3406 | \$33.79 | \$115,088.74 |
| Engineer | 1801 | \$37.80 | \$68,077.80 |
| Designer/CADD Technician | | | |
| Survey Crew Chief | | | |
| Survey Crew Member | | | |
| Inspector 2 | 5453 | \$28.65 | \$156,228.45 |
| Inspector 1 | 3804 | \$28.65 | \$108,984.60 |
| Administrative | 398 | \$20.61 | \$8,202.78 |
| Lab Manager | 400 | \$33.79 | \$13,516.00 |
| Lab Testing | 1100 | \$28.65 | \$31,515.00 |
| TOTAL | 16362 | | \$501,613.37 |

| Direct Expenses: | Amount |
|---------------------------------|--------|
| Subconsultants | |
| Printing and Reproduction Costs | |
| Mileage/Travel | |
| Lodging/Meals | |
| Material Testing | |
| Other Miscellaneous Costs | |
| TOTAL | |

| Total Project Costs: | Amount |
|----------------------|-----------------------|
| Direct Labor Costs | \$501,613.37 |
| Overhead @ 195.00% | \$978,146.07 |
| Total Labor Costs | \$1,479,759.44 |
| Fixed Fee @ | |
| Direct Expenses | |
| PROJECT COST | \$1,479,759.44 |

Signature of Responsible Charge

Date

CONSTRUCTION ENGINEERING SERVICES

LPA's Estimate of Hours

Project Name: SW 40th Street
 Project Number: STPN-BR-TMT-5267(1)
 Control Number: 12744
 Location (City, County): Lincoln, Lancaster
 Consultant Project Manager: Warren Wondercheck
 Phone/Email: (402) 540-2750, wwondercheck@lincoln.ne.gov
 LPA Responsible Charge: Devin Biesecker
 Phone/Email: (402) 937-5515/dbiesecker@lincoln.ne.gov
 NDOR Project Coordinator: Greg Wood
 Phone/Email: (402) 479-3831 greg.wood@nebraska.gov
 Date: December 9, 2012

LPA:
City of Lincoln

| TASKS | PERSONNEL CLASSIFICATIONS** | | | | | | | | | | | Total |
|--|-----------------------------|--------------|--------------|-----|-----|--------------|--------------|-------------|-------------|--------------|------|---------------|
| | PR | PM | ENG | DES | SCC | SCM | INSP 2 | INSP 1 | ADM | LAB1 | LAB2 | |
| For Construction Engineering Services: | | | | | | | | | | | | |
| 1. Project Management and Coordination | | | | | | | | | | | | |
| 1.1 Project Management | | 755 | 500 | | | | | | | | | 1,255 |
| Subtotal | | 755 | 500 | | | | | | | | | 1,255 |
| 2. Meetings | | | | | | | | | | | | |
| 2.1 Construction Inspection Planning Meeting | | 40 | 40 | | | | | | | | | 80 |
| 2.2 Pre-Construction Meeting | | 4 | 4 | | | | | 8 | | | | 16 |
| 2.3 Construction Progress Meetings | | 129 | 129 | | | 129 | 100 | 390 | | | | 877 |
| 2.4 Public Meeting (If Required) | | 2 | 2 | | | | | | | | | 4 |
| 2.5 Trips to Site (Travel Time) for Meetings | | | | | | | | | | | | |
| Subtotal | | 175 | 175 | | | 129 | 100 | 398 | | | | 977 |
| 3. Traffic Control Plan | | | | | | | | | | | | |
| 3.1 Prepare Traffic Control Plan | | | | | | | | | | | | |
| 3.2 Review/Approve Traffic Control Plan (If Completed by Contractor) | | | 40 | | | | | | | | | 40 |
| 3.3 Submit Plans to the RC for their records | | | | | | | | | | | | |
| Subtotal | | | 40 | | | | | | | | | 40 |
| 4. SWPPP Inspections/Manual Updates | | | | | | | | | | | | |
| 4.1 Conduct Inspections | | 140 | | | | | | | | | | 140 |
| 4.2 Update SWPPP Manual and Temporary Erosion Control Plan | | 80 | | | | | | | | | | 80 |
| 4.3 Trips to Site (Travel Time) for SWPPP Inspections | | | | | | | | | | | | |
| Subtotal | | 220 | | | | | | | | | | 220 |
| 5. Construction Survey/Staking | | | | | | | | | | | | |
| 5.1-5.10 Totals From Survey-Staking Worksheet (enter hours in grey cells) | | | | | | | | | | | | |
| 5.11 Trips to Site (Travel Time) for Construction Survey/Staking | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | |
| 6. Construction Consultation/Site Manager & Daily Work Report (DWR) | | | | | | | | | | | | |
| 6.1 Construction Consultation/Site Manager & Daily Work Report (DWR) | | 1,200 | 800 | | | | | | 400 | | | 2,400 |
| Subtotal | | 1,200 | 800 | | | | | 400 | | | | 2,400 |
| 7. Girder Shim Surveying (Bridge Projects Only) | | | | | | | | | | | | |
| 7.1 Girder Shim Surveying | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | |
| 8. Perform Bearing Calculations | | | | | | | | | | | | |
| 8.1 Perform Bearing Calculations | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | |
| 9. Construction Inspection | | | | | | | | | | | | |
| 9.1 Construction Inspection | | | | | | 4,400 | 3,000 | | | | | 7,400 |
| 9.2 Measure, calculate, and document quantities of pay items | | 250 | | | | 500 | 400 | | | | | 1,150 |
| 9.3 Maintain records/data and prepare the Weekly Report of WDs | | 390 | 130 | | | | | | | | | 520 |
| 9.4 Trips to Site (Travel Time) for Construction Inspection | | | | | | | | | | | | |
| Subtotal | | 640 | 130 | | | 4,900 | 3,400 | | | | | 9,070 |
| 10. Perform Material Sampling and Testing | | | | | | | | | | | | |
| 10.1 Collect, verify, document and deliver all samples to testing lab | | | | | | 240 | 180 | | | 1,100 | | 1,520 |
| 10.2 Provide all required material certifications to the NDOR M & R Lab | | 120 | | | | | | | | | | 120 |
| 10.3 Review and document all test results of all samples | | 80 | | | | | | | | | | 80 |
| 10.4 Trips to Site (Travel Time) for Delivery and Collecting Samples | | | | | | | | | | | | |
| Subtotal | | 200 | | | | 240 | 180 | | | 1,100 | | 1,720 |
| 11. As-Built Drawings | | | | | | | | | | | | |
| 11.1 Prepare As-Built Drawings | | 80 | 40 | | | 80 | 40 | | | | | 240 |
| Subtotal | | 80 | 40 | | | 80 | 40 | | | | | 240 |
| 12. Final Inspections | | | | | | | | | | | | |
| 12.1 Walkthrough of Site and Preparation of Punch List | | 16 | 16 | | | 8 | 8 | | | | | 48 |
| 12.2 Review Project to verify that Punch List has been completed | | 40 | 20 | | | 16 | 16 | | | | | 92 |
| Subtotal | | 56 | 36 | | | 24 | 24 | | | | | 140 |
| 13. Project Closeout | | | | | | | | | | | | |
| 13.1 Project Closeout | | 80 | 80 | | | 80 | 60 | | | | | 300 |
| Subtotal | | 80 | 80 | | | 80 | 60 | | | | | 300 |
| 14. Other | | | | | | | | | | | | |
| 14.1 Other | | | | | | | | | | | | |
| 14.2 Other | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | |
| Total Hours | | 3,406 | 1,801 | | | 5,453 | 3,804 | 398 | 400 | 1,100 | | 16,362 |
| Total Days (8 hrs) | | 425.8 | 225.1 | | | 681.6 | 475.5 | 49.8 | 50.0 | 137.5 | | 2045.3 |
| Total Travel Time | | | | | | | | | | | | |
| Total Hours minus Travel Time | | 3,406 | 1,801 | | | 5,453 | 3,804 | 398 | 400 | 1,100 | | 16,362 |

CONSTRUCTION ENGINEERING SERVICES Staffing Plan

Project Name: SW 40th Street
Project Number: STPN-BR-TMT-5267(1)
Control Number: 12744
Location (City, County): Lincoln, Lancaster
City Project Manager: Warren Wondercheck
Phone/Email: (402) 540-2750, wwondercheck@lincoln.ne.gov
LPA Responsible Charge: Devin Biesecker
Phone/Email: (402) 937-5515/dbiesecker@lincoln.ne.gov
NDOR Project Coordinator: Greg Wood
Phone/Email: (402) 479-3831 greg.wood@nebraska.gov
Date: December 13.2012

LPA:
City of Lincoln

| Labor Costs: | | Hours | Actual Rate* | Amount |
|---------------|--------------------------|--------------|--------------|---------------------|
| Code | Classification Title | | | |
| PR | Principal | | | |
| PM | Project Manager | 3,406 | \$33.79 | \$115,088.74 |
| ENG | Engineer | 1801 | \$37.80 | \$68,077.80 |
| DES | Designer/CADD Technician | | | |
| SCC | Survey Crew Chief | | | |
| SCM | Survey Crew Member | | | |
| INSP 2 | Inspector 2 | 5453 | \$28.65 | \$156,228.45 |
| INSP 1 | Inspector 1 | 3804 | \$28.65 | \$108,984.60 |
| ADM | Administrative | 398 | \$20.61 | \$8,202.78 |
| LAB1 | Lab Manager | 400 | \$33.79 | \$13,516.00 |
| LAB2 | Lab Testing | 1100 | \$28.65 | \$31,515.00 |
| TOTALS | | 16362 | | \$501,613.37 |

* For determining labor rates you may use the Median rates provided below or the actual rates provided during the scoping/negotiations meeting from the Consultant. The Median rate is an average of rates for each personnel classification provided by NDOR. The value selected must be placed in the Actual Rate column for each classification title to calculate the project cost.

Overhead Rate:** 195.00% **Fee for Profit Rate**:** _____

** If no Overhead Rate or Fee fir Profit Rate is provided please contact NDOR.

CLASSIFICATIONS*:**

| | | |
|--------------------------------|--------------------------|----------------------|
| PR = Principal | SCC = Survey Crew Chief | ADM = Administrative |
| PM = Project Manager | SCM = Survey Crew Member | LAB1 = Lab Manager |
| ENG = Engineer | INSP 2 = Inspector 2 | LAB2 = Lab Testing |
| DES = Designer/CADD Technician | INSP 1 = Inspector 1 | |

*** For User-Defined Classifications, you will need to edit the Classifications Legend located above. To enter a new classification, replace "UD1" with its abbreviation (ex. GRA) and replace "User Defined 1" with the corresponding title (ex. Graphic Artist). Once the user-definitions are added, they will self-populate in the Labor Costs Table, as well as the remaining sheets.

| Classification Title | Rate | | |
|----------------------|---------|---------|---------|
| | Low | Median | High |
| Principal | \$31.43 | \$50.40 | \$91.52 |
| Project Manager | \$28.85 | \$44.48 | \$68.90 |
| Engineer | \$25.67 | \$36.19 | \$57.69 |
| Designer | \$13.10 | \$17.73 | \$22.75 |
| CADD Technician | \$14.20 | \$22.48 | \$38.50 |
| Survey Crew Chief | \$20.00 | \$28.82 | \$39.04 |
| Survey Crew Member | \$13.00 | \$18.00 | \$28.63 |
| Inspector 2 | \$20.00 | \$25.50 | \$43.13 |
| Inspector 1 | \$10.00 | \$15.88 | \$20.00 |
| Administrative | \$9.00 | \$15.45 | \$22.60 |

These rates are only to be used as a tool to check for reasonableness.

CONSTRUCTION ENGINEERING SERVICES

Cost by Task

Project Name: SW 40th Street
 Project Number: STPN-BR-TMT-5267(1)
 Control Number: 12744
 Location (City, County): Lincoln, Lancaster
 Consultant Project Manager: Warren Wondercheck
 Phone/Email: (402) 540-2750, wwondercheck@lincoln.ne.gov
 LPA Responsible Charge: Devin Biesecker
 Phone/Email: (402) 937-5515/dbiesecker@lincoln.ne.gov
 NDOR Project Coordinator: Greg Wood
 Phone/Email: (402) 479-3831 greg.wood@nebraska.gov
 Date: December 9, 2012

LPA:
City of Lincoln

| Tasks | Total Hours | Direct Labor Cost | Overhead 195.00% | Fee for Profit | Total Project Cost |
|---|--------------|---------------------|---------------------|----------------|-----------------------|
| For Construction Engineering Services: | | | | | |
| 1. Project Management and Coordination | 1,255 | \$44,411.45 | \$86,602.33 | | \$131,013.78 |
| 2. Meetings | 977 | \$27,291.88 | \$53,219.17 | | \$80,511.05 |
| 3. Traffic Control Plan | 40 | \$1,512.00 | \$2,948.40 | | \$4,460.40 |
| 4. SWPPP Inspections/Manual Updates | 220 | \$7,433.80 | \$14,495.91 | | \$21,929.71 |
| 5. Construction Survey/Staking | | | | | |
| 6. Construction Consultation/Site Manager & Daily Work Report (DWR) | 2,400 | \$84,304.00 | \$164,392.80 | | \$248,696.80 |
| 7. Girder Shim Surveying (Bridge Projects Only) | | | | | |
| 8. Perform Bearing Calculations | | | | | |
| 9. Construction Inspection | 9,070 | \$264,334.60 | \$515,452.47 | | \$779,787.07 |
| 10. Perform Material Sampling and Testing | 1,720 | \$50,306.00 | \$98,096.70 | | \$148,402.70 |
| 11. As-Built Drawings | 240 | \$7,653.20 | \$14,923.74 | | \$22,576.94 |
| 12. Final Inspections | 140 | \$4,628.24 | \$9,025.07 | | \$13,653.31 |
| 13. Project Closeout | 300 | \$9,738.20 | \$18,989.49 | | \$28,727.69 |
| 14. Other | | | | | |
| Direct Expenses | | | | | |
| TOTAL | 16362 | \$501,613.37 | \$978,146.08 | | \$1,479,759.45 |

State of Nebraska Department of Roads
Required Document List

Contract ID 1744X
Control Number 12744 000
Project Number STPN-BR-TMT-5267(1)
Location SOUTHWEST 40TH ST, LINCOLN
Type of Work GR CONC PAVE CULV WATER BR GDRL
Letting Date Oct. 25th, 2012

| Legend | |
|--------|---------------------------------|
| TOS | Test or Sample |
| CC | Contractor's Certification |
| MC | Manufacturer Certification |
| COC | Certification of Compliance |
| COT | Certification of Test |
| APL | Approved Products List |
| PMV | Project Manager's Verification |
| SP | Special Provisions |
| NSS | Nebraska Standard Specification |
| SR | Shipping Report |

DISCLAIMER: This document may not include all material requirements for this project. Please refer to the Materials Sampling Guide for a comprehensive list of the material requirements. This document will not reflect any changes made to the project after the project letting.

| Group | Line Item | Item Code | Description | Quantity | Unit | Acceptance Method | Reference Book | M&R Contact |
|---------------------------|-----------|--------------------------------|---|------------|------|-------------------|----------------|-------------|
| GROUP 1 GRADING | 0001 | 0030.10 | MOBILIZATION | 1.000 | LS | | | |
| | 0002 | 1000.00 | LARGE TREE REMOVAL | 24.000 | EACH | | | |
| | 0003 | 1009.00 | GENERAL CLEARING AND GRUBBING | 1.000 | LS | | | |
| | 0004 | 1011.00 | WATER | 188.770 | MGAL | | | |
| | 0005 | 1030.00 | EARTHWORK MEASURED IN EMBANKMENT Soil Density-Embankment | 95374.000 | CY | | | |
| | 0006 | 1030.02 | EMBANKMENT FOR SURCHARGE (ESTABLISHED QUANTITY) Soil Density-Embankment | 3283.000 | CY | TOS | SG-19 | LINDEMANN |
| | 0007 | 1043.50 | RIPRAP FILTER FABRIC | 419.000 | SY | APL | SG-24 | LINDEMANN |
| | 0008 | 1101.00 | REMOVE PAVEMENT | 2871.000 | SY | | | |
| | 0009 | 1101.25 | SAWING PAVEMENT | 1918.000 | LF | | | |
| | 0010 | 1109.00 | REMOVE CURB | 106.000 | LF | | | |
| | 0011 | 1111.00 | REMOVE FENCE | 542.000 | LF | | | |
| | 0012 | 1122.01 | REMOVE CONCRETE MEDIUM SURFACING | 22.000 | SY | | | |
| | 0013 | 1600.00 | MONITORING INSTRUMENTATION | 1.000 | LS | PMV | SP-126 | KAREL |
| | 0014 | 4763.75 | WICK DRAIN | 144480.000 | LF | PMV | SP-125 | DONDLINGER |
| | 0015 | 4764.54 | 4" PERFORATED P.V.C. PIPE UNDERDRAIN Pipe Underdrain Aggregate Pipe Underdrain Fabric | 1096.000 | LF | TOS | SP-19 | KAREL |
| | 0016 | 6105.01 | ROCK RIPRAP, TYPE A | 238.000 | TON | APL | SG-24 | BEASON |
| | 0017 | 6105.02 | ROCK RIPRAP, TYPE B | 168.000 | TON | APL | SG-24 | BEASON |
| | 0018 | 7017.00 | REMOVE GUARDRAIL | 57.000 | LF | | | |
| | 0019 | 8093.02 | SAND BLANKET | 7238.000 | TON | TOS | SP-128 | BEASON |
| | 0020 | 1006.00 | COVER CROP SEEDING | 10.500 | ACRE | | | |
| 0021 | 1006.50 | TEMPORARY SEEDING | 5.000 | ACRE | | | | |
| 0022 | 1019.13 | EROSION CONTROL, CLASS 1D | 24200.000 | SY | APL | NSS807 | DONDLINGER | |
| 0023 | 1021.50 | EROSION CHECKS, TYPE SYNTHETIC | 384.000 | LF | APL | NSS808 | DONDLINGER | |
| 0024 | 1022.11 | FABRIC SILT FENCE-LOW POROSITY | 1693.000 | LF | APL | NSS809 | DONDLINGER | |
| GROUP 1 GRADING | 0001 | 0030.10 | MOBILIZATION | 1.000 | LS | | | |
| | 0004 | 1011.00 | WATER | 26.230 | MGAL | | | |
| | 0005 | 1030.00 | EARTHWORK MEASURED IN EMBANKMENT Soil Density-Embankment | 13115.000 | CY | TOS | SG-9 | LINDEMANN |
| GROUP 3 CONCRETE PAVEMENT | 0025 | 0002.88 | GROUND SLEEVE | 2.000 | EACH | PMV | SP-141 | KAREL |
| | 0026 | 0030.30 | MOBILIZATION | 1.000 | LS | | | |
| | 0027 | 1020.06 | FLEXIBLE POST DELINEATOR | 2.000 | EACH | APL | SG-25 | KAREL |
| | 0028 | 2001.00 | GRAVEL SURFACE COURSE | 201.000 | CY | TOS | SG-6 | BEASON |
| | 0029 | 2009.52 | CRUSHED ROCK EMBEDMENT | 7144.000 | SY | | | |
| | 0030 | 2010.00 | CRUSHED ROCK SURFACE COURSE | 466.000 | CY | TOS | SG-6 | BEASON |
| | 0031 | 2020.50 | SURFACING Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete White Pigmented Cure Compound-Field Use | 521.000 | SY | TOS | SP-149 | MASTERS |
| | 0032 | 3014.11 | COMBINATION CONCRETE CLASS 47B-3500 CURB AND GUTTER Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Pref Expansion Jt Filler-Asphalt Type White Pigmented Cure Compound-Field Use Hot Poured Joint Sealant -Field Use | 59.000 | LF | TOS | SG-16 | BEASON |
| | 0033 | 3016.39 | DETECTABLE WARNING PANEL | 60.000 | SF | APL | SP-219 | KAREL |
| | 0034 | 3016.61 | 5" CONCRETE CLASS 47B-3000 BIKEWAY Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete White Pigmented Cure Compound-Field Use Hot Poured Joint Sealant -Field Use | 1577.000 | SY | TOS | SG-16 | BEASON |
| | 0035 | 3017.07 | TACK-ON CONCRETE CLASS 47B-3500 MEDIUM | 30.000 | SY | TOS | SP-219 | MASTERS |
| | 0036 | 3019.24 | CONCRETE CLASS 47B-3500 ISLAND NOSE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete White Pigmented Cure Compound-Field Use | 2.000 | EACH | TOS | SG-16 | BEASON |
| | 0037 | 3020.24 | CONCRETE CLASS 47B-3500 DRIVEWAY Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete White Pigmented Cure Compound-Field Use | 412.000 | SY | TOS | SG-16 | BEASON |
| | 0039 | 3075.58 | REINFORCED CONCRETE PAVEMENT, CLASS 47B-3500 | 54.000 | SY | TOS | SG-15 | MASTERS |
| | 0044 | 7488.04 | 4" WHITE WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, WET REFLECTIVE MEDIA Glass Beads-Thermo and Polyurea Thermoplastic Pavment Marking | 1862.000 | LF | COC | SP-138 | DONDLINGER |
| | 0045 | 7488.05 | 4" YELLOW WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, WET REFLECTIVE MEDIA Glass Beads-Thermo and Polyurea Thermoplastic Pavment Marking | 1738.000 | LF | COC | SP-138 | DONDLINGER |
| | 0046 | 7515.04 | 4" WHITE POLYUREA PAVEMENT MARKING, GROOVED WET REFLECTIVE MEDIA Glass Beads-Thermo and Polyurea Thermoplastic Pavment Marking | 4522.000 | LF | COC | SP-131 | DONDLINGER |
| | 0047 | 7516.04 | 4" YELLOW POLYUREA PAVEMENT MARKING, GROOVED WET REFLECTIVE MEDIA Glass Beads-Thermo and Polyurea Thermoplastic Pavment Marking | 7593.000 | LF | COC | SP-131 | DONDLINGER |
| | 0048 | 8022.12 | HYDRATED LIME FOR ASPHALT MIXTURES | 9.000 | TON | COC | SP-261 | DONDLINGER |
| | 0049 | 9005.75 | ASPHALTIC CONCRETE, TYPE SPR Asphalt Aggregate | 1420.000 | TON | TOS | SP-289 | BEASON |

State of Nebraska Department of Roads
Required Document List

Contract ID 1744X
Control Number 12744 000
Project Number STPN-BR-TMT-5267(1)
Location SOUTHWEST 40TH ST, LINCOLN
Type of Work GR CONC PAVE CULV WATER BR GDRL
Letting Date Oct. 25th, 2012

| Legend | |
|--------|---------------------------------|
| TOS | Test or Sample |
| CC | Contractor's Certification |
| MC | Manufacturer Certification |
| COC | Certification of Compliance |
| COT | Certification of Test |
| APL | Approved Products List |
| PMV | Project Manager's Verification |
| SP | Special Provisions |
| NSS | Nebraska Standard Specification |
| SR | Shipping Report |

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| Group | Line Item | Item Code | Description | Quantity | Unit | Acceptance Method | Reference Book | M&R Contact |
|------------------|-----------|-----------|--|-----------|------|-------------------|----------------|-------------|
| | | | Asphaltic Concrete Technician | | | PMV | SP-289 | KOVES |
| | | | Asphaltic Concrete | | | COC | SP-289 | KOVES |
| | 0050 | 9021.13 | PERFORMANCE GRADED BINDER (64-34) | 79.520 | TON | TOS | SP-289 | BYRE |
| | 0051 | 9034.00 | PREPARATION OF INTERSECTIONS AND DRIVEWAYS | 412.000 | SY | | | |
| | 0052 | 9053.00 | TACK COAT | 290.000 | GAL | TOS | SP-146 | BYRE |
| | 0053 | 9111.00 | WATER | 42.000 | MGAL | | | |
| | 0054 | 9170.00 | EARTH SHOULDER CONSTRUCTION | 27.669 | STA | | | |
| | 0055 | 9173.20 | SUBGRADE PREPARATION | 11472.000 | SY | | | |
| | | | Soil Density-Subgrade Preparation | | | TOS | SG-10 | LINDEMANN |
| | 0056 | 9188.50 | SURFACING UNDER GUARDRAIL | 516.000 | SY | | SP-142 | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SP-142 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SP-142 | BEASON |
| | | | Portland Cement Concrete | | | TOS | SP-142 | MASTERS |
| | | | White Pigmented Cure Compound-Field Use | | | TOS | SP-142 | MASTERS |
| | | | IF ASPHALTIC CONCRETE IS USED | | | TOS | SP-142 | REA |
| | 0057 | 9300.38 | RAP INCENTIVE PAYMENT | 30787.000 | EACH | | | |
| | 0058 | L001.01 | SEEDING, TYPE A | 8.500 | ACRE | | | |
| | 0059 | L001.02 | SEEDING, TYPE B | 1.100 | ACRE | | | |
| | 0060 | L001.03 | SEEDING, TYPE C | 0.900 | ACRE | | | |
| | 0061 | L032.75 | MULCH | 24.000 | TON | | | |
| | 0062 | W200.18 | MONUMENT FRAME AND COVER | 3.000 | EACH | COC | SP-124 | KAREL |
| | 0063 | W600.00 | ADJUST STOP BOX TO GRADE | 3.000 | EACH | | | |
| | 0038 | 3075.42 | 9" CONCRETE PAVEMENT, CLASS 47B-3500 | 8567.000 | SY | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-15 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-15 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-15 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-15 | MASTERS |
| | | | White Pigmented Cure Compound-Field Use | | | APL/TOS | SG-15 | MASTERS |
| | | | Reinforcing Steel - Field Sample | | | TOS/COT | SG-15 | KAREL |
| | | | Reinforcing Steel(pretested) | | | TOS/COT | SG-15 | KAREL |
| | | | Hot Poured Joint Sealant -Field Use | | | APL/TOS | SG-15 | BYRE |
| | 0040 | 4015.00 | ADJUST MANHOLE TO GRADE | 3.000 | EACH | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| GROUP 4 CULVERTS | 0064 | 0030.40 | MOBILIZATION | 1.000 | LS | | | |
| | 0065 | 1119.00 | REMOVE INLET | 1.000 | EACH | | | |
| | 0066 | 4004.50 | CAST IRON GRATE AND FRAME | 412.000 | LB | COC | SG-25 | KAREL |
| | 0067 | 4012.07 | INLET-72" STRAIGHT | 1.000 | EACH | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | Reinforcing Steel - Field Sample | | | TOS/COT | SG-16 | KAREL |
| | | | Reinforcing Steel-(pretested) | | | TOS/COT | SG-16 | KAREL |
| | | | Brick | | | TOS | SG-16 | MASTERS |
| | 0068 | 4012.08 | INLET-72" CANTED | 5.000 | EACH | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | Reinforcing Steel - Field Sample | | | TOS/COT | SG-16 | KAREL |
| | | | Reinforcing Steel-(pretested) | | | TOS/COT | SG-16 | KAREL |
| | | | Brick | | | TOS | SG-16 | MASTERS |
| | 0069 | 4035.00 | REMOVE FLARED-END SECTION | 1.000 | EACH | | | |
| | 0070 | 4043.50 | REMOVE SEWER PIPE | 36.000 | LF | | | |
| | 0071 | 4045.00 | REMOVE STRUCTURE | 1.000 | EACH | | | |
| | 0072 | 4050.01 | EXCAVATION FOR PIPE, PIPE-ARCH CULVERTS, AND HEADWALLS | 623.000 | CY | | | |
| | 0073 | 4090.05 | TEMPORARY PLUG | 4.000 | EACH | | SP-172 | |
| | 0074 | 4105.59 | CLASS 47B-3000 CONCRETE FOR INLET AND JUNCTION BOX | 1.200 | CY | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | White Pigmented Cure Compound-Field Use | | | APL/TOS | SG-16 | MASTERS |
| | 0075 | 4107.50 | CLASS 47B-3000 CONCRETE FOR SPLASH BASIN | 1.100 | CY | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | White Pigmented Cure Compound-Field Use | | | APL/TOS | SG-16 | MASTERS |
| | 0076 | 4154.51 | EPOXY COATED REINFORCING STEEL FOR SPLASH BASIN | 50.000 | LB | TOS/COT | SG-16 | KAREL |
| | 0078 | 4360.18 | 18" METAL FLARED-END SECTION | 2.000 | EACH | SR | SP-19 | KAREL |
| | | | Buy America Cert-Producer/Supplier | | | MC | NSS106 | KAREL |
| | 0079 | 4360.24 | 24" METAL FLARED-END SECTION | 2.000 | EACH | SR | SP-19 | KAREL |
| | | | Buy America Cert-Producer/Supplier | | | MC | NSS106 | KAREL |
| | 0080 | 4360.54 | 54" METAL FLARED-END SECTION | 2.000 | EACH | SR | SP-19 | KAREL |
| | | | Buy America Cert-Producer/Supplier | | | MC | NSS106 | KAREL |
| | 0081 | 4460.15 | 15" CONCRETE FLARED-END SECTION | 1.000 | EACH | | | |
| | | | Concrete Flared End Section-15 in | | | SR | SP-19 | KAREL |
| | 0082 | 4460.18 | 18" CONCRETE FLARED-END SECTION | 2.000 | EACH | | | |
| | | | Concrete Flared End Section-18 in | | | SR | SP-19 | KAREL |
| | 0083 | 4460.30 | 30" CONCRETE FLARED-END SECTION | 1.000 | EACH | | | |
| | | | Concrete Flared End Section-30 in | | | SR | SP-19 | KAREL |
| | 0084 | 4460.36 | 36" CONCRETE FLARED-END SECTION | 2.000 | EACH | | | |
| | | | Concrete Flared End Section-36 in | | | SR | SP-19 | KAREL |
| | 0085 | 4460.48 | 48" CONCRETE FLARED-END SECTION | 2.000 | EACH | | | |
| | | | Concrete Flared End Section-48 in | | | SR | SP-19 | KAREL |
| | 0086 | P120.18 | 18" CULVERT PIPE, TYPE 2 | 39.000 | LF | | | |
| | | | Reinforced Concrete Pipe 18in-Class III | | | SR | SP-19 | KAREL |
| | 0087 | P120.36 | 36" CULVERT PIPE, TYPE 2 | 66.000 | LF | | | |
| | | | Reinforced Concrete Pipe 36in-Class III | | | SR | SP-19 | KAREL |
| | 0088 | P120.48 | 48" CULVERT PIPE, TYPE 2 | 54.000 | LF | | | |
| | | | Reinforced Concrete Pipe 48in-Class III | | | SR | SP-19 | KAREL |
| | 0089 | P300.18 | 18" CULVERT PIPE, TYPE 3,4 OR 5 | 154.000 | LF | | | |

State of Nebraska Department of Roads
Required Document List

Contract ID 1744X
Control Number 12744 000
Project Number STPN-BR-TMT-5267(1)
Location SOUTHWEST 40TH ST, LINCOLN
Type of Work GR CONC PAVE CULV WATER BR GDRL
Letting Date Oct. 25th, 2012

| Legend | |
|--------|---------------------------------|
| TOS | Test or Sample |
| CC | Contractor's Certification |
| MC | Manufacturer Certification |
| COC | Certification of Compliance |
| COT | Certification of Test |
| APL | Approved Products List |
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| SP | Special Provisions |
| NSS | Nebraska Standard Specification |
| SR | Shipping Report |

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| Group | Line Item | Item Code | Description | Quantity | Unit | Acceptance Method | Reference Book | M&R Contact |
|--------------------------------------|-----------|-----------|--|----------|------|--|--|--|
| | 0090 | P300.24 | Buy America Cert-Producer/Supplier 24" CULVERT PIPE, TYPE 3,4 OR 5 | 39.000 | LF | MC SR | NSS106 SP-19 | KAREL KAREL |
| | 0091 | P300.54 | Buy America Cert-Producer/Supplier 54" CULVERT PIPE, TYPE 3,4 OR 5 | 224.000 | LF | MC SR | NSS106 SP-19 | KAREL KAREL |
| | 0092 | P402.15 | Buy America Cert-Producer/Supplier 15" CULVERT PIPE, TYPE 3,4,5 OR 6 | 119.000 | LF | MC SR | NSS106 SP-19 | KAREL KAREL |
| | 0093 | P702.15 | Buy America Cert-Producer/Supplier 15" STORM SEWER PIPE, TYPE 1 Soil Density-Pipe Backfill # | 63.000 | LF | MC TOS SR | NSS106 NS5702 SP-19 | KAREL KAREL KAREL |
| | 0094 | P702.18 | Reinf Conc Sewer Pipe 15in-Class III 18" STORM SEWER PIPE, TYPE 1 Reinf Conc Sewer Pipe 18in-Class III Soil Density-Pipe Backfill # | 358.000 | LF | SR TOS | SP-19 NS5702 | KAREL KAREL |
| | 0095 | P702.30 | Reinf Conc Sewer Pipe 30in-Class III 30" STORM SEWER PIPE, TYPE 1 Reinf Conc Sewer Pipe 30in-Class III | 359.000 | LF | SR | SP-19 | KAREL |
| GROUP 4A WATER MAIN & SANITARY SEWER | 0096 | 0030.40 | MOBILIZATION | 1.000 | LS | | | |
| | 0097 | 1090.01 | ABANDON MANHOLE | 3.000 | EACH | | | |
| | 0098 | 3089.80 | FLOWABLE FILL CONCRETE | 32.000 | CY | TOS | NSS1003 | MASTERS |
| | 0099 | 4016.00 | MANHOLE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Reinforcing Steel - Field Sample Reinforcing Steel-(pretested)# | 1.000 | EACH | TOS TOS TOS TOS TOS/COT TOS/COT | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS KAREL KAREL |
| | 0100 | 4016.01 | MANHOLE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Reinforcing Steel - Field Sample Reinforcing Steel-(pretested)# | 1.000 | EACH | TOS TOS TOS TOS TOS/COT TOS/COT | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS KAREL KAREL |
| | 0101 | 4016.02 | MANHOLE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Reinforcing Steel - Field Sample Reinforcing Steel-(pretested)# | 1.000 | EACH | TOS TOS TOS TOS TOS/COT TOS/COT | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS KAREL KAREL |
| | 0102 | 4016.03 | MANHOLE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Reinforcing Steel - Field Sample Reinforcing Steel-(pretested)# | 1.000 | EACH | TOS TOS TOS TOS TOS/COT TOS/COT | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS KAREL KAREL |
| | 0103 | 4016.04 | MANHOLE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Reinforcing Steel Field Sample Reinforcing Steel-(pretested)# | 1.000 | EACH | TOS TOS TOS TOS TOS/COT TOS/COT | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS KAREL KAREL |
| | 0104 | 4016.05 | MANHOLE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete | 1.000 | EACH | TOS TOS TOS TOS | SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS |
| | 0105 | 4017.00 | TAPPING EXISTING MANHOLE | 1.000 | EACH | | | |
| | 0106 | 4042.65 | RECONSTRUCT WATER SERVICE | 1.000 | EACH | | | |
| | 0107 | 4043.51 | REMOVE SANITARY SEWER PIPE | 283.000 | LF | | | |
| | 0108 | 4731.13 | 15" SANITARY SEWER PIPE | 960.000 | LF | TOS | SG-19 | KAREL |
| | 0109 | 4795.94 | 16" PLUG | 3.000 | EACH | TOS | SG-16 | MASTERS |
| | 0110 | 4795.98 | 12" PLUG | 1.000 | EACH | TOS | SG-16 | MASTERS |
| | 0111 | 4805.30 | 30" STEEL CASING | 334.200 | LF | COT | SP-171 | KAREL |
| | 0112 | 4810.30 | JACKING 30" STEEL CASING PIPE | 330.300 | LF | | | |
| | 0113 | W176.01 | 1" COPPER WATER SERVICE | 33.000 | LF | TOS | SP-193 | KAREL |
| | 0114 | W176.12 | 2" COPPER WATER SERVICE | 18.000 | LF | TOS | SP-193 | KAREL |
| | 0115 | W176.78 | PE CONNECTION ASSEMBLY | 2.000 | EACH | COC | SP-193 | KAREL |
| | 0116 | W180.00 | CONCRETE CLASS 47B-3500 FOR BLOCKS AND ANCHORAGES Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete | 29.680 | CY | TOS TOS TOS TOS | SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS |
| | 0117 | W180.10 | REINFORCING STEEL FOR BLOCKS AND ANCHORAGES | 1085.500 | LB | | | |
| | 0118 | W200.44 | 4" RETAINER GLAND | 3.000 | EACH | COC | SP-193 | KAREL |
| | 0119 | W200.52 | 12" RETAINER GLAND | 5.000 | EACH | COC | SP-193 | KAREL |
| | 0120 | W200.56 | 16" RETAINER GLAND | 15.000 | EACH | COC | SP-193 | KAREL |
| | 0121 | W200.70 | ANCHORING ELBOW, M.J. | 4.000 | EACH | PMV/TOS | SP-193 | KAREL |
| | 0122 | W200.71 | ANCHOR COUPLING, M.J. | 6.000 | EACH | PMV/TOS | SP-193 | KAREL |
| | 0123 | W205.04 | 4" WATER MAIN PIPE Soil Density-Pipe Backfill # | 182.700 | LF | TOS TOS | SP-193 LINDEMANN | KAREL KAREL |
| | 0124 | W205.06 | 6" WATER MAIN PIPE Soil Density-Pipe Backfill # | 84.600 | LF | TOS TOS | SP-193 LINDEMANN | KAREL KAREL |
| | 0125 | W205.08 | 8" WATER MAIN PIPE Soil Density-Pipe Backfill # | 34.000 | LF | TOS TOS | SP-193 LINDEMANN | KAREL KAREL |
| | 0126 | W205.10 | 10" WATER MAIN PIPE Soil Density-Pipe Backfill # | 10.000 | LF | TOS TOS | SP-193 LINDEMANN | KAREL KAREL |
| | 0127 | W205.12 | 12" WATER MAIN PIPE Soil Density-Pipe Backfill # | 154.500 | LF | TOS TOS | SP-193 LINDEMANN | KAREL KAREL |
| | 0128 | W205.16 | 16" WATER MAIN PIPE | 3422.300 | LF | TOS | SP-193 | KAREL |
| | 0129 | W208.03 | WATER SERVICE SADDLE AND CORPORATION STOP | 1.000 | EACH | COC | SP-193 | KAREL |
| | 0130 | W220.04 | 4" GATE VALVE, M.J. | 1.000 | EACH | | SP-194 | KAREL |
| | 0131 | W220.06 | 6" GATE VALVE, M.J. | 5.000 | EACH | | SP-194 | KAREL |

State of Nebraska Department of Roads
Required Document List

Contract ID 1744X
Control Number 12744 000
Project Number STPN-BR-TMT-5267(1)
Location SOUTHWEST 40TH ST, LINCOLN
Type of Work GR CONC PAVE CULV WATER BR GDRL
Letting Date Oct. 25th, 2012

| Legend | |
|--------|---------------------------------|
| TOS | Test or Sample |
| CC | Contractor's Certification |
| MC | Manufacturer's Certification |
| COC | Certification of Compliance |
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| Group | Line Item | Item Code | Description | Quantity | Unit | Acceptance Method | Reference Book | M&R Contact |
|---|-----------|-----------|--|-----------|------|--|-------------------------------|-------------------------------|
| | 0132 | W220.08 | 8" GATE VALVE, M.J. | 1.000 | EACH | | SP-194 | KAREL |
| | 0133 | W220.10 | 10" GATE VALVE, M.J. | 1.000 | EACH | | SP-194 | KAREL |
| | 0134 | W221.63 | 12" BUTTERFLY VALVE | 1.000 | EACH | | SP-194 | KAREL |
| | 0135 | W221.65 | 16" BUTTERFLY VALVE | 1.000 | EACH | | SP-194 | KAREL |
| | 0136 | W221.66 | 16" BUTTERFLY VALVE, M.J. | 5.000 | EACH | | SP-194 | KAREL |
| | 0137 | W221.97 | FIRE HYDRANT | 2.000 | EACH | | SP-194 | KAREL |
| | 0138 | W221.98 | FIRE HYDRANT | 3.000 | EACH | | SP-194 | KAREL |
| | 0139 | W350.37 | 12" X 12" TAPPING SLEEVE AND VALVE | 1.000 | EACH | | | |
| | 0140 | W350.41 | 16" X 16" TAPPING SLEEVE AND VALVE | 1.000 | EACH | | | |
| | 0141 | W355.08 | 8" SLEEVE | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0142 | W355.10 | 10" SLEEVE | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0143 | W355.16 | 16" SLEEVE | 2.000 | EACH | TOS | SP-193 | KAREL |
| | 0144 | W356.25 | 16" X 6" TEE | 4.000 | EACH | TOS | SP-193 | KAREL |
| | 0145 | W356.26 | 16" X 12" TEE | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0146 | W356.29 | TEE, MJ 16" | 2.000 | EACH | TOS | SP-193 | KAREL |
| | 0147 | W356.30 | TEE, MJ 16" | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0148 | W356.31 | TEE, MJ 16" | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0149 | W356.33 | TEE, MJ 16" | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0150 | W357.13 | 4" - 90 DEGREE BEND | 4.000 | EACH | TOS | SP-193 | KAREL |
| | 0151 | W357.42 | 12" - 90 DEGREE BEND | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0152 | W357.44 | 12" - 45 DEGREE BEND | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0153 | W357.55 | 16" - 22 1/2 DEGREE BEND, M.J. | 3.000 | EACH | TOS | SP-193 | KAREL |
| | 0154 | W357.56 | 16" - 45 DEGREE BEND, M.J. | 2.000 | EACH | TOS | SP-193 | KAREL |
| | 0155 | W357.57 | 16" - 90 DEGREE BEND MJ | 2.000 | EACH | TOS | SP-193 | KAREL |
| | 0156 | W357.58 | 16" - 11 1/4 DEGREE BEND MJ | 1.000 | EACH | TOS | SP-193 | KAREL |
| | 0157 | W600.21 | ADJUST FIRE HYDRANT TO GRADE | 2.000 | EACH | TOS | SP-193 | KAREL |
| | 0158 | W722.05 | DIRECTIONAL DRILLING FOR WATER MAIN | 513.400 | LF | | | |
| | 0159 | W750.10 | REMOVE FIRE HYDRANT | 5.000 | EACH | | | |
| | 0160 | W800.05 | REMOVE GATE VALVE AND BOX | 3.000 | EACH | | | |
| | 0161 | W800.21 | REMOVE WATER MAIN PIPE | 3527.100 | LF | | | |
| | 0162 | W900.04 | AIR RELEASE ASSEMBLY | 2.000 | EACH | | | |
| GROUP 6 BRIDGE AT STA 124+00.00 | | | | | | | | |
| | 0163 | 0030.60 | MOBILIZATION | 1.000 | LS | | | |
| | 0164 | 1043.50 | RIPRAP FILTER FABRIC | 494.000 | SY | APL | SG-24 | LINDEMANN |
| | 0165 | 3050.15 | CONCRETE FOR PAVEMENT APPROACHES CLASS 47BD-4000 | 163.800 | CY | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | White Pigmented Cure Compound-Field User | | | APL/TOS | SG-16 | MASTERS |
| | | | Finishing Aids/Evaporation Reducers # | | | APL | SG-16 | MASTERS |
| | | | Hot Poured Joint Sealant -Field User | | | APL/TOS | SG-16 | BYRE |
| | | | Soil Density-Pavement Approaches# | | | TOS | NSS205 | LINDEMANN |
| | 0166 | 3051.10 | EPOXY COATED REINFORCING STEEL FOR PAVEMENT APPROACHES | 30191.000 | LB | | | |
| | | | Reinforcing Steel - Field Sample | | | TOS/COT | SG-16 | KAREL |
| | | | Reinforcing Steel(pretested)# | | | TOS/COT | SG-16 | KAREL |
| | 0167 | 6000.10 | ABUTMENT NO.1 EXCAVATION | 159.000 | LS | | | |
| | 0168 | 6000.11 | ABUTMENT NO.2 EXCAVATION | 189.000 | LS | | | |
| | 0169 | 6000.20 | PIER NO.1 EXCAVATION | 103.000 | LS | | | |
| | 0170 | 6000.21 | PIER NO.2 EXCAVATION | 80.000 | LS | | | |
| | 0171 | 6005.37 | PRECOMPRESSED POLYURETHANE FOAM JOINT, TYPE B | 86.300 | LF | APL | SP-222 | MASTERS |
| | 0172 | 6010.22 | CLASS 47B-3000 CONCRETE FOR BRIDGE | 414.700 | CY | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | White Pigmented Cure Compound-Field User | | | APL/TOS | SG-16 | MASTERS |
| | | | Non-Shrink Grout # | | | APL | SG-16 | MASTERS |
| | 0173 | 6010.26 | CLASS 47BD-4000 CONCRETE FOR BRIDGE | 205.800 | CY | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | Pref Expansion Jt Filler # | | | APL | SG-16 | MASTERS |
| | | | White Pigmented Cure Compound-Field User | | | APL/TOS | SG-16 | MASTERS |
| | | | Finishing Aids/Evaporation Reducers # | | | APL | SG-16 | MASTERS |
| | | | Non-Shrink Grout # | | | APL | SG-16 | MASTERS |
| | 0174 | 6011.11 | PRECAST/PRESTRESSED CONCRETE SUPERSTRUCTURE AT STATION | 155.400 | LS | SG-SECTION 27, SG-SECTION 27, SG-SECTION 27, | NOTE 13 NOTE 13 NOTE 13 | MASTERS MASTERS MASTERS |
| | 0175 | 6040.00 | REMOVE STRUCTURE | 1.000 | EACH | | | |
| | 0176 | 6080.00 | STRUCTURAL STEEL FOR SUBSTRUCTURE | 1770.000 | LB | COC | SG-20 | KAREL |
| | 0177 | 6105.02 | ROCK RIPRAP, TYPE B | 747.000 | TON | APL | SG-24 | BEASON |
| | 0178 | 6131.50 | EPOXY COATED REINFORCING STEEL | 68050.000 | LB | | | |
| | | | Reinforcing Steel - Field Sample | | | TOS/COT | NSS1021 | KAREL |
| | | | Reinforcing Steel-(pretested)# | | | TOS/COT | NSS1021 | KAREL |
| | 0179 | 6210.14 | HP 12 INCH X 53 LB STEEL PILING | 4855.000 | LF | COT | SG-20 | KAREL |
| | 0180 | 6310.00 | STEEL SHEET PILING | 6795.000 | SF | COT | SG-20 | KAREL |
| | 0183 | 6601.04 | 3/4" CONDUIT IN BRIDGE | 48.000 | LF | | | |
| | | | Buy America Cert-Producer/Supplier | | | MC | NSS106 | KAREL |
| | | | Electrical Conduit # | | | PMV/TOS | SG-21 | KAREL |
| | 0184 | 8091.00 | GRANULAR BACKFILL | 348.000 | CY | | | |
| | | | Soil Density- Granular Backfill# | | | TOS | NSS702 | LINDEMANN |
| | | | Granular Backfill Aggregate | | | TOS | SG-13 | BEASON |
| GROUP 6A BRIDGE AT STA 133+83.00 | | | | | | | | |
| | 0185 | 0030.60 | MOBILIZATION | 1.000 | LS | | | |
| | 0186 | 3050.15 | CONCRETE FOR PAVEMENT APPROACHES CLASS 47BD-4000 | 217.500 | CY | | | |
| | | | Class B (47B Fine) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Class E (47B Coarse) Aggregate | | | TOS | SG-16 | BEASON |
| | | | Portland Cement Blended-IPF, IPN, IPF/S | | | TOS | SG-16 | MASTERS |
| | | | Portland Cement Concrete | | | TOS | SG-16 | MASTERS |
| | | | White Pigmented Cure Compound-Field User | | | APL/TOS | SG-16 | MASTERS |
| | | | Finishing Aids/Evaporation Reducers # | | | APL | SG-16 | MASTERS |
| | | | Hot Poured Joint Sealant -Field User | | | APL/TOS | SG-16 | BYRE |
| | | | Soil Density-Pavement Approaches# | | | TOS | SG-16 | LINDEMANN |

State of Nebraska Department of Roads
Required Document List

Contract ID 1744X
Control Number 12744 000
Project Number STPN-BR-TMT-5267(1)
Location SOUTHWEST 40TH ST, LINCOLN
Type of Work GR CONC PAVE CULV WATER BR GDRL
Letting Date Oct. 25th, 2012

| Legend | |
|--------|---------------------------------|
| TOS | Test or Sample |
| CC | Contractor's Certification |
| MC | Manufacturer's Certification |
| COC | Certification of Compliance |
| COT | Certification of Test |
| APL | Approved Products List |
| PMV | Project Manager's Verification |
| SP | Special Provisions |
| NSS | Nebraska Standard Specification |
| SR | Shipping Report |

DISCLAIMER: This document may not include all material requirements for this project. Please refer to the Materials Sampling Guide for a comprehensive list of the material requirements. This document will not reflect any changes made to the project after the project letting.

| Group | Line Item | Item Code | Description | Quantity | Unit | Acceptance Method | Reference Book | M&R Contact |
|------------------------|-----------|-----------|---|------------|------|--|--|--|
| | 0187 | 3051.10 | EPOXY COATED REINFORCING STEEL FOR PAVEMENT APPROACHES Reinforcing Steel - Field Sample Reinforcing Steel-(pretested)± | 26608.000 | LB | TOS/COT TOS/COT | SG-16 SG-16 | KAREL |
| | 0188 | 6000.10 | ABUTMENT NO.1 EXCAVATION | 189.000 | LS | | | |
| | 0189 | 6000.11 | ABUTMENT NO.2 EXCAVATION | 280.000 | LS | | | |
| | 0190 | 6000.20 | PIER NO.1 EXCAVATION | 167.000 | LS | | | |
| | 0191 | 6000.21 | PIER NO.2 EXCAVATION | 189.000 | LS | | | |
| | 0192 | 6000.22 | PIER NO.3 EXCAVATION | 310.000 | LS | | | |
| | 0193 | 6000.23 | PIER NO.4 EXCAVATION | 162.000 | LS | | | |
| | 0194 | 6000.24 | PIER NO.5 EXCAVATION | 111.000 | LS | | | |
| | 0195 | 6000.25 | PIER NO.6 EXCAVATION | 127.000 | LS | | | |
| | 0196 | 6000.26 | PIER NO.7 EXCAVATION | 329.000 | LS | | | |
| | 0197 | 6000.27 | PIER NO.8 EXCAVATION | 136.000 | LS | | | |
| | 0199 | 6005.32 | PREFORMED EXPANSION JOINT, TYPE A Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete | 57.000 | LF | APL TOS TOS | SP-222 SG-16 SG-16 | MASTERS MASTERS MASTERS |
| | 0200 | 6005.78 | EXPANSION BEARING, TFE TYPE | 60.000 | EACH | TOS/COT/COC | SG-20 | BORGMAN |
| | 0201 | 6005.83 | FIXED BEARING | 18.000 | EACH | TOS/COT/COC | SG-20 | BORGMAN |
| | 0202 | 6010.22 | CLASS 47B-3000 CONCRETE FOR BRIDGE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete White Pigmented Cure Compound-Field User Non-Shrink Grout ± | 1419.300 | CY | TOS TOS TOS TOS APL/TOS APL | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS MASTERS MASTERS |
| | 0203 | 6010.26 | CLASS 47BD-4000 CONCRETE FOR BRIDGE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Pref Expansion Jt Filler White Pigmented Cure Compound-Field User Finishing Aids/Evaporation Reducers ± Non-Shrink Grout ± | 2198.500 | CY | TOS TOS TOS TOS APL APL/TOS APL APL | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS MASTERS MASTERS MASTERS MASTERS |
| | 0204 | 6010.33 | CLASS 47BD-6000 CONCRETE FOR BRIDGE Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete Pref Expansion Jt Filler White Pigmented Cure Compound-Field User Finishing Aids/Evaporation Reducers ± | 134.700 | CY | TOS TOS TOS TOS APL APL/TOS APL | SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS MASTERS MASTERS MASTERS |
| | 0205 | 6011.11 | PRECAST/PRESTRESSED CONCRETE SUPERSTRUCTURE AT STATION Portland Cement Concrete Prestressed Portland Cement Concrete | 1170.000 | LS | SG-SECTION 27, SG-SECTION 27, SG-SECTION 27, | NOTE 13 NOTE 13 NOTE 13 | MASTERS MASTERS MASTERS |
| | 0206 | 6107.00 | CONCRETE SLOPE PROTECTION Class B (47B Fine) Aggregate Class E (47B Coarse) Aggregate Portland Cement Blended-IPF, IPN, IPF/S Portland Cement Concrete White Pigmented Cure Compound-Field User | 677.000 | SY | TOS TOS TOS TOS APL/TOS | SG-16 SG-16 SG-16 SG-16 SG-16 | BEASON BEASON MASTERS MASTERS MASTERS |
| | 0207 | 6131.50 | EPOXY COATED REINFORCING STEEL Reinforcing Steel - Field Sample Reinforcing Steel-(pretested)± | 684313.000 | LB | TOS/COT TOS/COT | NSS1021 NSS1021 | KAREL KAREL |
| | 0208 | 6210.21 | HP 14 INCH X 89 LB STEEL PILING | 23610.000 | LF | COT | SG-20 | KAREL |
| | 0211 | 6601.04 | 3/4" CONDUIT IN BRIDGE Buy America Cert-Producer/Supplier Electrical Conduit ± | 505.000 | LF | MC PMV/TOS | NSS106 SG-21 | KAREL KAREL |
| | 0213 | 8091.00 | GRANULAR BACKFILL Soil Density- Granular Backfill± Granular Backfill Aggregate | 469.000 | CY | TOS TOS | NSS702 SG-13 | LINDEMANN BEASON |
| GROUP 7 GUARDRAIL | 0214 | 0030.70 | MOBILIZATION | 1.000 | LS | | | |
| | 0215 | 7011.20 | W-BEAM GUARDRAIL Buy America Cert-Producer/Supplier | 212.500 | LF | TOS/COT/COC MC | SG-17 NSS106 | KAREL KAREL |
| | 0216 | 7020.00 | BRIDGE APPROACH SECTIONS Buy America Cert-Producer/Supplier | 7.000 | EACH | TOS/COT/COC MC | SG-17 NSS106 | KAREL KAREL |
| | 0217 | 7024.25 | GUARDRAIL END TREATMENT, TYPE I Buy America Cert-Producer/Supplier | 5.000 | EACH | COC MC | SP-251 NSS106 | KAREL KAREL |
| | 0218 | 7024.27 | GUARDRAIL END TREATMENT, TYPE II Buy America Cert-Producer/Supplier | 2.000 | EACH | COC MC | SP-252 NSS106 | KAREL KAREL |
| GROUP 10 GENERAL ITEMS | 0219 | 0001.08 | BARRICADE, TYPE II Reflective Sheeting ± Barricade Warning Lights Type C ± | 40943.000 | BDAY | TOS APL | SG-23 SG-23 | DONDLINGER KAREL |
| | 0220 | 0001.10 | BARRICADE, TYPE III Barricade Warning Lights Type A ± Reflective Sheeting ± | 14738.000 | BDAY | APL TOS | SG-23 SG-23 | KAREL DONDLINGER |
| | 0221 | 0001.90 | SIGN DAY | 7645.000 | EACH | | | |
| | 0222 | 0001.99 | CONTRACTOR FURNISHED SIGN DAY | 7795.000 | EACH | | | |
| | 0223 | 0002.97 | FLASHING ARROW PANEL | 238.000 | DAY | | | |
| | 0224 | 0003.10 | FLAGGING | 100.000 | DAY | | | |
| | 0225 | 0010.04 | FIELD OFFICE | 1.000 | EACH | | | |
| | 0226 | 0030.10 | MOBILIZATION | 1.000 | LS | | | |
| | 0227 | 1017.00 | CONSTRUCTION STAKING AND SURVEYING | 1.000 | LS | | | |
| | 0228 | 6052.55 | ACCESS CROSSING | 1.000 | LS | | | |
| | 0229 | 9110.01 | RENTAL OF LOADER, FULLY OPERATED | 40.000 | HOUR | | | |
| | 0230 | 9110.03 | RENTAL OF DUMP TRUCK, FULLY OPERATED | 40.000 | HOUR | | | |
| | 0231 | 9110.07 | RENTAL OF SKID LOADER, FULLY OPERATED | 40.000 | HOUR | | | |
| | 0232 | 9110.27 | RENTAL OF CRAWLER MOUNTED HYDRAULIC EXCAVATOR, | 40.000 | HOUR | | | |
| | 0233 | 1022.75 | TEMPORARY SILT CHECK | 500.000 | LF | | | |
| | 0234 | 1022.90 | TEMPORARY SILT FENCE | 1000.000 | LF | APL | NSS809 | DONDLINGER |
| | 0235 | 1022.92 | TEMPORARY EARTH CHECK | 5000.000 | LF | | | |
| | 0236 | 1032.70 | TEMPORARY MULCH | 4.000 | TON | | | |
| | | | BUY AMERICA CERTIFICATION (PRIME CONTRACTOR) | | | CC | SP-95 | KAREL |

Contract ID 174X
Control Number 12744 000
Project Number 57PM-BR-TM1-5267(1)
Location SOUTHWEST 40TH ST, LINCOLN
Type of Work GR CONC PAVE CULV WATER BR GDRIL
Letting Date Oct, 25th, 2012

These are estimated quantities for materials that need to be tested for this project. Items that require certifications or letters of compliance are not listed. Please refer to Materials Sampling Guide for those items and for frequency of materials that need to be submitted to NDR for verification testing.

| Group | Line Item | Item Code | Description | Quantity | Unit | Test Description | Number of Tests | Comments | Guidance |
|-----------------|---------------------------|---|---|-----------------------|--|--|--|--|--|
| GROUP 1 GRADING | 0005 | 1030.00 | EARTHWORK MEASURED IN EMBANKMENT Soil Density-Enhancement | 9374.000 | CV | Lab Standard Proctor Test/Quality Field Density Test | 1 32 | | SG-9 LINDEMANN SG-9 LINDEMANN SG-9 LINDEMANN |
| | Assume: | | 1 per location/32 locations | | | Field Moisture Test | 32 | | |
| | 0006 | 1030.02 | EMBANKMENT FOR SURCHARGE (ESTABLISHED QUANTITY) Soil Density-Enhancement | 3283.000 | CV | Lab Standard Proctor Test/Quality Field Density Test | 1 2 | | LINDEMANN LINDEMANN LINDEMANN |
| | Assume: | | 1 per location/2 locations | | | Field Moisture Test | 2 | | |
| | 0015 | 4764.54 | 4" REFORCED P.V.C. PIPE UNDERDRAIN Pipe Underdrain Aggregate | 1096.000 | LF | Sample for Quality Gradation Compaction | 1 1 1 | 1 - 10lb sample for each 750cc of fraction thereof 1 - 60lb sample for compaction curve | SG-13 BEASON SP-128 BEASON |
| | 0019 | 8093.02 | SAND BLANKET Moisture - Density | 7289.000 | TON | Lab Standard Proctor Test/Quality Field Density Test Field Moisture Test | 1 1 1 | | |
| | Assume: | | 1 per location/8 locations | | | Gradation | 1 | | |
| | 0005 | 1030.00 | EARTHWORK MEASURED IN EMBANKMENT Soil Density-Enhancement | 13115.000 | CV | Lab Standard Proctor Test/Quality Field Density Test Field Moisture Test | 1 5 5 | 1 - 10lb sample for each mile | SG-9 LINDEMANN SG-9 LINDEMANN SG-9 LINDEMANN |
| | Assume: | | 1 per location/5 locations | | | Gradation | 1 | | |
| | GROUP 3 CONCRETE PAVEMENT | 0028 | 2001.00 | GRAVEL SURFACE COURSE | 201.000 | CV | Sample for Quality Gradation | 1 | No samples required if source is Kerford or Martin Marietta @ Weeping Water or @ Port Calhoun. 1 - 60lb sample is required for each 750 CC or fraction thereof, from all other sources. |
| 0030 | | 2010.00 | CRUSHED ROCK SURFACE COURSE | 466.000 | CV | Sample for Quality Gradation | 1 | No samples required if source is Kerford or Martin Marietta @ Weeping Water or @ Port Calhoun. 1 - 60lb sample is required for each 750 CC or fraction thereof, from all other sources. | SG-6 BEASON SG-6 BEASON |
| 0031 | | 2020.50 | SURFACING | 521.000 | SF | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 1 1 4 | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | SG-16 BEASON SG-16 BEASON MASTERS MASTERS |
| Assume: | | 1 pour 5 in thick | | | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 1 1 4 | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | SG-16 BEASON SG-16 BEASON MASTERS MASTERS | |
| 0032 | 3014.11 | COMBINATION CONCRETE CLASS 47B-5500 CURB AND GUTTER | 59.000 | LF | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 1 1 4 | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | SG-16 BEASON SG-16 BEASON MASTERS MASTERS | |
| Assume: | | 1 pour | | | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 1 1 4 | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | SG-16 BEASON SG-16 BEASON MASTERS MASTERS | |

State of Nebraska Department of Roads
Material Sampling and Testing Summary

Contract ID 1744X
Control Number 12744_000
Project Number 670A88-TMT-525711
Location EQUIPMENT 40TH ST, LINCOLN
Type of Work BR CONC PAVE CULV WATER BR GRRL
Listing Date Dec 25th, 2012

These are estimated quantities for materials that need to be tested for this project. Items that require certifications or letters of compliance are not listed. Please refer to Materials Sampling Guide for these items and for frequency of materials that need to be submitted to NDR for verification testing.

| Group | Line Item | Item Code | Description | Quantity | Unit | Test Description | Number of Tests | Comments | Guidance |
|-------|-----------|-----------|---|-----------|------|--|-----------------------|--|--|
| | 0034 | 3016.61 | Hot Poured Joint Sealant - Field User 5" CONCRETE CLASS 47B-3000 BIKEMAY Assume: 5 pours Assume handwork, no slip form favor used | 1377.000 | SY | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 5 5 20 | Air(very 300cy) Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON SG-16 BEASON SG-16 MASTERS SG-16 BYRE |
| | 0035 | 3017.07 | White Pigmented Cure Compound-Field User Hot Poured Joint Sealant - Field User TACK-ON CONCRETE CLASS 47B-3500 MEDIAN | 30.000 | SY | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 1 | No test required unless not from approved stock or current calendar year One sample per lot unless shipped from tested and approved stock | SG-16 BYRE |
| | 0036 | 3019.24 | White Pigmented Cure Compound-Field User CONCRETE CLASS 47B-3500 ISLAND NOSE Assume: To be poured with item #0032 | 2.000 | EACH | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 4 | Air(very 300cy) Slump, Unit Weight, Yield, Cylinders... | SG-16 MASTERS |
| | 0037 | 3020.24 | White Pigmented Cure Compound-Field User CONCRETE CLASS 47B-3500 DRIVEWAY Assume: To be poured with others | 412.000 | SY | Sample for Quality | 1 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS |
| | 0039 | 3075.58 | White Pigmented Cure Compound-Field User REINFORCED CONCRETE PAVEMENT, CLASS 47B-3500, 9in Assume: 1 pour | 54.000 | SY | Sample for Quality | 1 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS |
| | 0049 | 9006.75 | ASPHALTIC CONCRETE, TYPE 5PR Asphaltic Aggregate Assume: 1420/750 = " 2 tests — 3 TESTS IF ASPHALT IS USED ON ITEM # 0031 & 0056 | 1420.000 | TON | Agg Free Moisture Field Tech Tests Asphalt Mixture Testing Density Test Sample for Quality | 1 1 2 2 4 | Air(very 300cy) Slump, Unit Weight, Yield, Cylinders... | SP-289 BEASON SP-289 KOVES |
| | 0050 | 9021.13 | PERFORMANCE GRADED BINDER (64-34) Assume: Performance Graded Binder (64-34) | 79.520 | TON | Sample for Quality | 1 | 1 test every 750 tons | SP-253 BYRE |
| | 0052 | 9053.00 | TACK COAT Assume: Emulsified Asphalt - Type CSS-1/SS-1 or CSS-1H/SS-1H | 290.000 | GAL | Sample for Quality | 1 | 1 test every 3750 tons of asphalt | SP-146 BYRE |
| | 0055 | 9173.20 | SUBGRADE PREPARATION Assume: Soil Density-Subgrade Preparation 1 per location/5 locations | 11472.000 | SY | Lab Standard Proctor Test/Quality Field Density Test Field Moisture Test Sample for Quality | 1 1 5 5 | 1 quart sample per tank car or truckload | SG-10 LINDEMANN SG-10 LINDEMANN SG-10 LINDEMANN |
| | 0056 | 9188.50 | SUBPACING UNDER GUARDRAIL Assume: 2 pours 9in thick 129 | 516.000 | SY | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 2 2 8 | Air(very 300cy) Slump, Unit Weight, Yield, Cylinders... | SP-142 BEASON SP-142 BEASON SP-142 MASTERS SP-142 MASTERS |

State of Nebraska Department of Roads
Material Sampling and Testing Summary

Contract ID: 1744X
Control Number: 12724-000
Project Number: 5729-RR-TMT-526713
Location: SOUTHMEET 40TH ST, LINCOLN
Type of Work: GR CONC PAVE CULV WATER BR GRRI
Testing Date: Oct. 23th, 2012

These are estimated quantities for materials that need to be tested for this project. Items that require certifications or letters of compliance are not listed. Please refer to Materials Sampling Guide for those items and for frequency of materials that need to be submitted to MDH for verification testing.

| Group | Line Item | Item Code | Description | Quantity | Unit | Test Description | Number of Tests | Comments | Guidance | |
|------------------|-----------|---|---|----------|--|--|--|--|---|--|
| GROUP 4 CULVERTS | 0038 | 3075.42 | 9" CONCRETE PAVEMENT, CLASS 47B-3500 | 8567.000 | SY | Age Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality Sample for Quality Sample for Quality | 4 4 16 1 1 | Air(every 300cy), Slump, Unit Weight, Yield, Cylinders... No test required unless not from approved stock or current calendar year 2-6" samples unless from approved stock One sample per lot unless shipped from tested and approved stock | SG-15 BEASON SG-15 BEASON SG-15 MASTERS SG-15 MASTERS SG-15 KAREL SG-15 BIRE | |
| | | Assume: | CV | | | | | | | |
| | | 2142 | White Pigmented Cure Compound Field Usat Reinforcing Steel Field Sample Hot Poured Joint Sealant - Field Usat | | | | | | | |
| | 0040 | 4015.00 | ADJUST MANHOLE TO GRADE | 3.000 | EACH | Sample for Quality | 1 | | | |
| | | Assume: | To be poured with others | | | | | | | |
| | | 1.9 | CV - Class 47B-3500 Concrete | | | | | | | |
| | 0067 | 4012.07 | INLET 72" STRAIGHT | 1.000 | EACH | Sample for Quality | 1 | | | |
| | | Assume: | To be poured with item address 2 separate pours to complete each inlet and multiple inlets being poured together at the same time. | | | | | | | |
| | | 3 | CV - Class 47B-3500 Concrete Reinforcing Steel - Field Sample | | | | | | | |
| | 0068 | 4012.08 | INLET 72" CANTED | 5.000 | EACH | Sample for Quality | 1 | 2-6" samples unless from approved stock | SG-16 KAREL | |
| | Assume: | 2 separate pours to complete each inlet and multiple inlets being poured together at the same time. | | | | | | | | |
| | 1.9 | CV - Class 47B-3500 Concrete | | | | | | | | |
| 0074 | 4005.59 | CLASS 47B-3000 CONCRETE FOR INLET AND JUNCTION BOX | 1.200 | CY | Age Free Moisture Field Tech Tests Unconfined Compression Cylinder Sample for Quality | 2 2 8 1 | Air(every 300cy), Slump, Unit Weight, Yield, Cylinders... 2-6" samples unless from approved stock | SG-16 BEASON SG-16 MASTERS SG-16 KAREL | | |
| | Assume: | To be poured with others | | | | | | | | |
| | 1.2 | CV | | | | | | | | |
| 0075 | 4107.50 | White Pigmented Cure Compound Field Usat CLASS 47B-3000 CONCRETE FOR SPLASH BASIN | 1.100 | CY | Sample for Quality | 1 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS | | |
| | Assume: | To be poured with others | | | | | | | | |
| | 1.1 | CV | | | | | | | | |
| 0076 | 4154.51 | White Pigmented Cure Compound Field Usat EPOXY COATED REINFORCING STEEL FOR SPLASH BASIN | 50.000 | LB | Sample for Quality | 1 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS | | |
| | Assume: | Reinforcing Steel - Field Sample | | | | | | | | |
| 0086 | P120.18 | 18" CULVERT PIPE, TYPE 2 Soil Density-Pipe Backfill | 39.000 | LF | Lab Standard Proctor Test/Quality Field Density Test Field Moisture Test | 1 1 1 | 2-6" samples unless from approved stock | SG-16 KAREL | | |
| | Assume: | 1 per location/1 locations Tests performed on soil around pipe | | | | | | | | |
| 0087 | P120.36 | 36" CULVERT PIPE, TYPE 2 Soil Density-Pipe Backfill | 66.000 | LF | Lab Standard Proctor Test/Quality Field Density Test Field Moisture Test | 1 1 1 | | SP-19 KAREL | | |
| | Assume: | 1 per location/1 locations Tests performed on soil around pipe | | | | | | | | |
| 0088 | P120.48 | 48" CULVERT PIPE, TYPE 2 Soil Density-Pipe Backfill | 54.000 | LF | Lab Standard Proctor Test/Quality Field Density Test Field Moisture Test | 1 1 1 | | SP-19 KAREL | | |
| | Assume: | 1 per location/1 locations Tests performed on soil around pipe | | | | | | | | |

State of Nebraska Department of Roads
Material Sampling and Testing Summary

Contract ID: 1744K
Contract Number: 1744-000
Project Number: STPM-BR-TM1-526711
Location: SOUTHWEST 40TH ST, LINCOLN
Type of Work: GR CONC PAVE CULV WATER BR GRRI
Testing Date: Oct. 25th, 2012

These are estimated quantities for materials that need to be tested for this project. Items that require certifications or letters of compliance are not listed. Please refer to Materials Sampling Guide for those items and for frequency of materials that need to be submitted to HDR for verification testing.

| Group | Line Item | Item Code | Description | Quantity | Unit | Test Description | Number of Tests | Comments | Guidance |
|--------------------------------------|-----------|---|---|----------|--|---|--|--|--------------|
| GROUP 4A WATER MAIN & SANITARY SEWER | 0089 | P300.18 | 18" CULVERT PIPE, TYPE 3, 4 OR 5 Soil Density-Pipe Backfill R | 154,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | NSS106 KAREL |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| | 0090 | P300.24 | 24" CULVERT PIPE, TYPE 3, 4 OR 5 Soil Density-Pipe Backfill R | 39,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | NSS106 KAREL |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| | 0091 | P300.54 | 54" CULVERT PIPE, TYPE 3, 4 OR 5 Soil Density-Pipe Backfill R | 224,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | NSS106 KAREL |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| | 0092 | P402.15 | 15" STORM SEWER PIPE, TYPE 1 Soil Density-Pipe Backfill R | 119,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | NSS106 KAREL |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| | 0093 | P702.15 | 15" STORM SEWER PIPE, TYPE 1 Soil Density-Pipe Backfill R | 63,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | NSS702 KAREL |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| 0094 | P702.18 | 18" STORM SEWER PIPE, TYPE 1 Soil Density-Pipe Backfill R | 358,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | NSS702 KAREL | |
| Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | | |
| 0096 | 3089.80 | FLOWABLE FILT CONCRETE 1 pour | 32,000 | CY | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder | 1 | Air (every 300cy), Slump, Unit Weight, Yield, Cylinders... | NSS1009 MASTERS NSS1009 MASTERS NSS1009 MASTERS SS-19 KAREL | |
| 0108 | 4731.13 | 15" SANITARY SEWER PIPE Soil Density-Pipe Backfill R | 960,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | SS-16 BEASON SS-16 BEASON SS-16 MASTERS | |
| Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | | |
| 0116 | W180.00 | CONCRETE CLASS 4719-3500 FOR BLOCKS AND ANCHORAGES 1 pour | 29,880 | CY | Agg Free Moisture Field Tech Tests Unconfined Compression Cylinder | 1 | Air (every 300cy), Slump, Unit Weight, Yield, Cylinders... | SS-16 BEASON SS-16 BEASON SS-16 MASTERS | |
| Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | | |
| 0124 | W205.06 | 6" WATER MAIN PIPE Soil Density-Pipe Backfill R | 84,600 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | SP-193 LINDEMANN | |
| Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | | |

State of Nebraska Department of Roads
Material Sampling and Testing Summary

Contract ID: 1744K
Control Number: 12774-000
Project Number: STPN-BR-TM-5267(1)
Location: SOUTHWEST 40TH ST, LINCOLN
Type of Work: GR CONC PAVE CLV WATER BR GDR
Letting Date: Oct. 25th, 2012

These are estimated quantities for materials that need to be tested for this project. Items that require certifications or letters of compliance are not listed. Please refer to Materials Sampling Guide for those items and for frequency of materials that need to be submitted to MDR for verification testing.

| Group | Line Item | Item Code | Description | Quantity | Unit | Test Description | Number of Tests | Comments | Guidance |
|---------------------------------|-----------|--|---|-----------|--|---|---|---|------------------|
| GROUP 6 BRIDGE AT STA 124-00.00 | 0125 | WZ05.08 | 8" WATER MAIN PIPE Soil Density-Pipe Backfill R | 34,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | SP-193 LINDEMANN |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| | 0126 | WZ05.10 | 10" WATER MAIN PIPE Soil Density-Pipe Backfill R | 10,000 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | SP-193 LINDEMANN |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| | 0127 | WZ05.12 | 12" WATER MAIN PIPE Soil Density-Pipe Backfill R | 154,500 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | SP-193 LINDEMANN |
| | Assume: | | 1 per location/1 locations Tests performed on soil around pipe | | | | 1 | | |
| | 0128 | WZ05.16 | 18" WATER MAIN PIPE Soil Density-Pipe Backfill R | 342,200 | LF | Lab Standard Proctor Test/Quality Field Density Test | 1 | | SP-193 LINDEMANN |
| | Assume: | | 1 per location/4 locations Tests performed on soil around pipe | | | | 4 | | |
| | 0165 | 3050.15 | CONCRETE FOR PAVEMENT APPROXCHES CLASS 47BD-4000 | 163,800 | CY | Age Free Moisture Field Tests | 2 | Air/vey (300s), Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON |
| | Assume: | | 4 pours White Pigmented Cure Compound Field Used Hot Poured Joint Sealant - Field Used Soil Density-Pavement Approachest | | | | 8 | | |
| | 0166 | 3051.10 | EPoxy COATED REINFORCING STEEL FOR PAVEMENT APPROXCHES | 30191,000 | LB | Sample for Quality | 1 | 2-6' samples unless from approved stock | SG-16 KAREL |
| | Assume: | | 1 per location/2 locations Reinforcing Steel - Field Sample CLASS 47B-3000 CONCRETE FOR BRIDGE 2 per slab, 2 per pier | | | | 4 | | |
| 0172 | 6010.22 | CLASS 47B-3000 CONCRETE FOR BRIDGE | 414,700 | CY | Age Free Moisture Field Tech Tests | 4 | Air/vey (300s), Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON | |
| Assume: | | 4 pours White Pigmented Cure Compound Field Used CLASS 47BD-4000 CONCRETE FOR BRIDGE 1 per slab, 2 per concrete walls, 2 per haunch over pier | | | | 16 | | | |
| 0173 | 6010.26 | CLASS 47BD-4000 CONCRETE FOR BRIDGE | 205,800 | CY | Age Free Moisture Field Tech Tests | 5 | Air/vey (300s), Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON | |
| Assume: | | 5 pours White Pigmented Cure Compound Field Used EPOXY COATED REINFORCING STEEL Reinforcing Steel - Field Sample | | | | 20 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS | |
| 0178 | 6131.50 | White Pigmented Cure Compound Field Used | 68950,000 | LB | Sample for Quality | 1 | 2-6' samples unless from approved stock | NS10D1 KAREL | |
| 0183 | 6601.04 | 3/4" CONDUIT IN BRIDGE | 48,000 | LF | Sample for Quality | 1 | Unless Underwriters' Laboratory or Intertek testing services (ETI) approved, if UL or ETL label is attached and physical dimensions are correct, the conduit may be accepted. | SG-21 KAREL | |
| 0184 | 8091.00 | GRAVEL BACKFILL | 348,000 | CY | 1 - 2' sample for each lot or batch, 1 Typas | 1 | | SG-21 KAREL | |

State of Nebraska Department of Roads
Material Sampling and Testing Summary

Contract ID: 1324X
Contract Number: 1324X-000
Project Number: STPM-BR-TMT-526713
Location: SOUTH WEST 40TH ST, LINCOLN
Type of Work: GR CONCR PAVE CULV WATER BR GDR
Letting Date: Oct. 25th, 2012

These are estimated quantities for materials that need to be tested for this project. Items that require certifications of testers of compliance are not listed. Please refer to Materials Sampling Guide for those items and for frequency of materials that need to be submitted to IDH for verification testing.

| Group | Line Item | Item Code | Description | Quantity | Unit | Test Description | Number of Tests | Comments | Guidance |
|----------------------------------|-----------|-----------|--|------------|------|--|-----------------|--|------------------------------------|
| GROUP 6A BRIDGE AT STA 133+83.00 | 0186 | 3050.15 | CONCRETE FOR PAVEMENT APPROACHES CLASS 47BD-4000 | 217.500 | CY | Agg Free Moisture Field Test, Tests | 2 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON SG-16 BEASON |
| | Assume: | 4 pours | 2 per slab, 2 per concrete rail | | | Field Test, Tests | 2 | | |
| | | | | | | Unconfined Compression Cylinder | 8 | | |
| | | | | | | Sample for Quality | 1 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS |
| | | | | | | Lab Standard Proctor Test/Quality | 1 | One sample per lot unless shipped from tested and approved stock | SG-16 BIRE |
| | | | | | | Field Density Test | 2 | | SG-16 LINDEMANN SG-16 LINDEMANN |
| | | | | | | Gradation | 1 | No sample required if source is known or Material Mastered @ Weighing Water or @ Test Calibron. 1-600 sample is required for each 750 C or fraction thereof from all other sources. | SG-13 BEASON |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | 0187 | 3051.10 | EPOXY COATED REINFORCING STEEL FOR PAVEMENT APPROACHES | 26808.000 | LB | Agg Free Moisture Field Test, Tests | 2 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-16 KAREL |
| Assume: | | | 1 per location/2 locations | | | Unconfined Compression Cylinder | 8 | | |
| | | | Hot Poured Joint Sealant Field Use | | | Sample for Quality | 1 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS |
| | | | Soil Density-Parameitri Approach | | | Lab Standard Proctor Test/Quality | 1 | One sample per lot unless shipped from tested and approved stock | SG-16 LINDEMANN SG-16 LINDEMANN |
| | | | Soil Density-Parameitri Approach | | | Field Moisture Test | 2 | | SG-16 LINDEMANN |
| | | | | | | Sample for Quality | 1 | 2-6' samples unless from approved stock | SG-16 KAREL |
| | 0202 | 6010.22 | CLASS 47B-5000 CONCRETE FOR BRIDGE | 1449.300 | CY | Agg Free Moisture Field Test, Tests | 20 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON SG-16 BEASON |
| Assume: | | | 20 piers | | | Unconfined Compression Cylinder | 20 | | |
| | | | 2 per slab, 2 per pier - 8 piers | | | Sample for Quality | 80 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS SG-16 MASTERS |
| | | | | | | | | | |
| | 0203 | 6010.26 | CLASS 47BD-4000 CONCRETE FOR BRIDGE | 2198.500 | CY | Agg Free Moisture Field Test, Tests | 7 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON |
| Assume: | | | 7 piers | | | Unconfined Compression Cylinder | 7 | | |
| | | | 3 per slab, 2 per rail, 2 per haunch | | | Sample for Quality | 28 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS SG-16 MASTERS |
| | | | | | | | | | |
| | 0204 | 6010.33 | CLASS 47BD-6000 CONCRETE FOR BRIDGE | 134.700 | CY | Agg Free Moisture Field Test, Tests | 2 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON |
| Assume: | | | 2 piers | | | Unconfined Compression Cylinder | 2 | | |
| | | | | | | Sample for Quality | 8 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS SG-16 MASTERS |
| | | | | | | | | | |
| | 0206 | 6107.00 | CONCRETE SLOPE PROTECTION | 677.000 | SY | Agg Free Moisture Field Test, Tests | 4 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON |
| Assume: | | | 4 piers | | | Unconfined Compression Cylinder | 4 | | |
| | | | 2 per slope 2 slopes = 4 piers | | | Sample for Quality | 16 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS SG-16 MASTERS |
| | | | | | | | | | |
| | 0207 | 6131.50 | EPOXY COATED REINFORCING STEEL | 684313.000 | LB | Agg Free Moisture Field Test, Tests | 4 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-16 BEASON |
| Assume: | | | 667 | | | Unconfined Compression Cylinder | 4 | | |
| | | | White Pigmented Cure Compound Field Use | | | Sample for Quality | 1 | No test required unless not from approved stock or current calendar year | SG-16 MASTERS SG-16 MASTERS |
| | | | Reinforcing Steel Field Sample | | | | | | |
| | 0208 | 6210.21 | HP 24 INCH X 89 LB STEEL PILING | 23610.000 | LF | Agg Free Moisture Field Test, Tests | 1 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | NSS1021 KAREL |
| Assume: | | | 1 pier | | | Unconfined Compression Cylinder | 1 | | |
| | | | | | | Sample for Quality | 1 | 2-6' samples unless from approved stock | |
| | | | | | | | | | |
| | 0211 | 6601.04 | Electrical Conductor | 506.000 | LF | Agg Free Moisture Field Test, Tests | 1 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | SG-21 KAREL |
| Assume: | | | 1 pier | | | Unconfined Compression Cylinder | 1 | | |
| | | | | | | Sample for Quality | 1 | Unless Underwriter's Laboratory or Intertek testing services (ETI) approved, if UL or ETL label is attached and physical dimensions are correct, the conduit may be accepted. | |
| | | | | | | | | | |
| | 0213 | 8091.00 | GRANULAR BACKFILL | 469.000 | CY | Agg Free Moisture Field Test, Tests | 1 | Air(oveny 300c)/ Slump, Unit Weight, Yield, Cylinders... | NSS702 LINDEMANN |
| Assume: | | | 1 pier | | | Unconfined Compression Cylinder | 1 | | |
| | | | Soil Density-Granular Backfill | | | Sample for Quality | 1 | 2-6' samples unless from approved stock | |

Contract ID: 1724X
 Control Number: 12724.000
 Project Number: STRPLAN-TMR 5329(1)
 Location: SOUTHWEST 40TH ST, LINCOLN
 Type of Work: CR CONC/PAVE CULV WATER BRK GDRL
 Letting Date: Oct. 25th, 2012

These are estimated quantities for materials that need to be tested for this project. Items that require certifications or letters of compliance are not listed. Please refer to Materials Sampling Guide for those items and for frequency of materials that need to be submitted to NDR for verification testing.

| Group | Line Item | Item Code | Description | Quantity | Unit | Test Description | Number of Tests | Comments | Guidance |
|------------------------|-----------|-----------|-----------------------|-----------|------|---------------------|-----------------|--|------------------|
| GROUP 10 GENERAL ITEMS | 0219 | 0001.08 | BARRECADE, TYPE II | 4094.000 | BDAY | Field Density Test | 14 | | NSS702 LINDEMANN |
| | | | Reflective Sheeting # | | | Gradation | 1 | No samples required if source is Kerford or Martin Marietta @ Weeping Water or @ Fort Calhoun. | SG-13 BEASON |
| | | | BARRECADE, TYPE III | 14730.000 | BDAY | Field Moisture Test | 14 | 1 - 60lb sample is required for each 750 CY or fraction thereof, from all other sources. | SG-13 BEASON |
| | 0220 | 0001.10 | Reflective Sheeting # | | | Sample for Quality | 120 | 1 of every 5, or a minimum of two of each type | SG-23 DONDLINGER |
| | | | Reflective Sheeting # | | | Gradation | 1 | 1 of every 5, or a minimum of two of each type | SG-23 DONDLINGER |
| | | | Reflective Sheeting # | | | Reflectivity Test | 45 | 1 of every 5, or a minimum of two of each type | SG-23 DONDLINGER |

Concrete Calculations:

| Item | Conversion Factor | Totals |
|------------|-------------------|--------------|
| 47B | | |
| Fine Agg | 0.896 | CY 5274.46 |
| Coarse Agg | 0.9818 | CY 4251.23 |
| 1PF Cement | 594 | CY 1908.51 |
| | | Tons 1487.40 |

| Item | Conversion Factor | Totals |
|------------|-------------------|-------------|
| 47B0 | | |
| Fine Agg | 0.7975 | CY 2920.90 |
| Coarse Agg | 0.333 | CY 2159.72 |
| 1PF Cement | 638 | CY 972.46 |
| | | Tons 960.78 |

| Item | Conversion Factor | Totals |
|---------------|-------------------|-----------|
| Flowable Fill | 1.115 | CY 32.00 |
| Fine Agg | 0 | CY 35.69 |
| Coarse Agg | 0 | CY 0.00 |
| 1PF Cement | 50 | Tons 0.20 |

| Item | Conversion Factor | Totals |
|--|-------------------|--------------|
| Asphalt/Cement Sampling & Testing Totals | | |
| Fine Agg | 1.3 | Tons 8372.84 |
| Coarse Agg | 1.25 | Tons 3600.96 |
| 1PF Cement | N/A | Tons 2448.98 |

** These totals assume all concrete produced by a single source.