

City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: R 208-14

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: November 3, 2014

Re: Professional Engineering Services Agreement for the Broadway Pavement Improvement Project

Documents Included With This Agenda Item

Council memo, Resolution/Ordinance, Exhibits to Resolution/Ordinance

Supporting documentation includes: Maps

Executive Summary

Authorizing the City Manager to execute a Professional Engineering Services agreement with Engineering Surveys and Services, LLC relating to the Broadway Pavement Improvement project. Tasks include design engineering of street pavement, sidewalks and ramps, traffic control, and other items necessary to complete the work as outlined in the agreement.

Discussion

On December 2, 2013 Council passed Ordinance 21912 authorizing an STP (Surface Transportation Program) agreement with the Missouri Highways and Transportation Commission (MHTC), and appropriating funds, for the Broadway pavement improvement project from Providence Road to Hitt Street. MHTC will reimburse the City 80% of all project costs.

This project includes construction of an asphalt mill and overlay from Providence Road to Hitt Street, and some sidewalk ramp improvements. Due to a recent clarification of the requirements under Title II of the Americans With Disabilities Act (ADA), pavement resurfacing work completed on projects like this requires the installation of ADA-compliant curb ramps. This means all non-compliant curb ramps will need to be replaced, or repaired, along Broadway between Providence Road and Hitt Street. Approximately 35 curb ramps along the corridor may be non-compliant and will be replaced/modified as necessary to meet the ADA requirements.

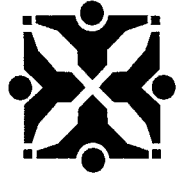
The Professional Engineering Services agreement with Engineering Surveys and Services, LLC is for a not to exceed amount of \$89,860.84. The City is responsible for 20% of this cost, or \$17,972. Construction of the project is expected to be underway in 2015.

Fiscal Impact

Short-Term Impact: In December of 2013, \$347,000 was appropriated to this project. The agreement with Engineering Surveys & Services, LLC is for a not to exceed amount of \$89,860.84. The City's local match is \$17,972.16, and is funded from the Street Operations maintenance account.

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Long-Term Impact: The milling and overlay portion of the project is estimated to cost \$417,000, including engineering and construction. The City's cost share portion is 20%, or \$83,400, and will be funded from the Street Operations maintenance account.

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Downtown, Transportation

Strategic Plan Impact: Infrastructure

Comprehensive Plan Impact: Infrastructure, Mobility, Connectivity, and Accessibility, Livable & Sustainable Communities

Suggested Council Action

Authorize the City Manager to execute a Professional Engineering Services agreement with Engineering Surveys and Services, LLC relating to the Broadway Pavement Improvement project.

Legislative History

12/2/13 (Ord 21912) authorizing an STP-Urban Program agreement with MHTC for the Broadway pavement improvement project from Providence Road to Hitt Street; appropriating funds.



Department Approved



City Manager Approved

Introduced by _____ Council Bill No. R 208-14

A RESOLUTION

authorizing an agreement for professional engineering services with Engineering Surveys and Services for design of the Broadway pavement improvement project, from Providence Road to Hitt Street.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Manager is hereby authorized to execute an agreement for professional engineering services with Engineering Surveys and Services for design of the Broadway pavement improvement project, from Providence Road to Hitt Street. The form and content of the agreement shall be substantially as set forth in "Exhibit A" attached hereto and made a part hereof.

ADOPTED this _____ day of _____, 2014.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor

**AGREEMENT
For
PROFESSIONAL ENGINEERING SERVICES
Between
THE CITY OF COLUMBIA, MISSOURI
And
ENGINEERING SURVEYS AND SERVICES**

THIS AGREEMENT made as of ____ day of _____, 2014, by and between the City of Columbia, Missouri, hereinafter called the CITY, and Engineering Surveys and Services, hereinafter called the ENGINEER.

WITNESSETH, that whereas the CITY intends to make improvements as described below, hereinafter called the PROJECT, consisting of the following:

Broadway Pavement Improvements STP – 2014 (505)

NOW, THEREFORE, in consideration of the mutual covenants set out herein the parties agree as follows:

ENGINEER shall serve as CITY's professional engineering contractor in those assignments to which this Agreement applies, and shall give consultation and advice to CITY during the performance of the services. All services shall be performed under the direction of a professional engineer registered in the State of Missouri and qualified in the particular field.

SECTION 1 - AUTHORIZATION OF SERVICES

1.1 ENGINEER shall not undertake to begin any of the services contemplated by this agreement until directed in writing to do so by CITY. CITY may elect to authorize the PROJECT as a whole or in parts.

1.2 Authorized work may include services described hereafter as Basic Services or as Additional Services of ENGINEER.

SECTION 2 - BASIC SERVICES OF ENGINEER

2.1 General

2.1.1 Perform professional engineering services as set forth in Attachment A - "Scope of Basic Services," dated October 13, 2014.

2.1.2 The ENGINEER will designate the following listed individuals as its project team with responsibilities as assigned. The ENGINEER shall dedicate whatever additional resources are necessary to accomplish the PROJECT within the specified time frame but will not remove these individuals from the assigned tasks for any reason within the control of the ENGINEER without the written approval of the CITY.

<u>Name and Title</u>	<u>Assignment</u>
David Bennett, P.E. – VP Engineering	Principal in Charge /Quality Control
Ben Ross, P.E. – Assist. VP Engineering	Project Manager

All of the services required hereunder will be performed by the ENGINEER or under its supervision and all personnel engaged in the work shall be fully qualified and authorized or permitted under state and local law to perform such services.

None of the work or services covered by this Agreement shall be subcontracted without the prior written approval of the CITY and any work or services so subcontracted shall be subject to the provisions of this Agreement.

2.1.3 Subletting, Assignment or Transfer

No portion of the work covered by this contract, except as provided herein, shall be sublet or transferred without the written consent of the Local Agency. The subletting of the work shall in no way relieve the Engineer of his primary responsibility for the quality and performance of the work. It is the intention of the Engineer to engage subcontractors for the purposes of:

Sub-Consultant Name	Address	Services
Landworks Studio	103 S. Chestnut Olathe, KS 66061	Concept Plans Renderings IP Meetings

2.1.4 **DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS:**

- A DBE Goal: The following DBE goal has been established for this Agreement. The dollar value of services and related equipment, supplies, and materials used in furtherance thereof which is credited toward this goal will be based on the amount actually paid to DBE firms. The goal for the percentage of services to be awarded to DBE firms is 13.5% of the total Agreement dollar value.
- B. DBE Participation Obtained by Engineer: The Engineer has obtained DBE participation, and agrees to use DBE firms to complete, 13.5% of the total services to be performed under this Agreement, by dollar value. The DBE firms

which the Engineer shall use, and the type and dollar value of the services each DBE will perform, is as follows:

<u>DBE FIRM NAME, STREET AND COMPLETE MAILING ADDRESS</u>	<u>TYPE OF DBE SERVICE</u>	<u>TOTAL \$ VALUE OF THE DBE SUBCONTRACT</u>	<u>CONTRACT \$ AMOUNT TO APPLY TO TOTAL DBE GOAL</u>	<u>PERCENTAGE OF SUBCONTRACT DOLLAR VALUE APPLICABLE TO TOTAL GOAL</u>
Landworks Studio 103 S. Chestnut Olathe, KS 66061	Concept Plans Renderings IP Meetings	\$12,140	\$12,140	100%

2.2 The ENGINEER shall furnish such periodic reports as the CITY may request pertaining to the work or services undertaken pursuant to this Agreement, the costs and obligations incurred or to be incurred, and any other matters covered by this Agreement.

2.3 The ENGINEER shall maintain accounts and records, including personnel, property and financial records, adequate to identify and account for all costs pertaining to the Agreement and any other records as deemed necessary by the CITY to assure proper accounting for all project funds. These records must be available to the CITY or its authorized representatives, for audit purposes, and must be retained for three (3) years after expiration or completion of this Agreement.

2.4 OWNERSHIP OF DOCUMENTS

A. All drawings and documents prepared in performance of this Agreement shall be delivered to and become the property of the City upon suspension, abandonment, cancellation, termination, or completion of the Engineer's services hereunder; provided, however,

1. The Engineer shall have the right to their future use with written permission of the City;

2. The Engineer shall retain its rights in its standard drawing details, designs, specifications, CADD files, databases, computer software, and any other proprietary property; and

3. The Engineer shall retain its rights to intellectual property developed, utilized, or modified in the performance of the services subject to the following:

a. Copyrights. City, as the contracting agency, reserves a royalty-free, nonexclusive and irrevocable license to reproduce, publish or otherwise use, and to authorize others to use, for Governmental purposes:

I. The copyright in any works developed under this agreement, or under a subgrant or contract under this agreement; and

II. Any rights of copyright to which City, its Engineer or subconsultant purchases ownership with payments provided by this agreement.

b. Patents. Rights to inventions made under this agreement shall be determined in accordance with 37 C.F.R. Part 401. The standard patent rights clause at 37 C.F.R. § 401.14, as modified below, is hereby incorporated by reference.

I. The terms "to be performed by a small business firm or domestic nonprofit organization" shall be deleted from Paragraph (g)(1) of the clause;

II. Paragraphs (g)(2) and (3) of the clause shall be deleted; and

III. Subsection (l) of the clause, entitled "communications" shall read as follows: "(l) Communications. All notifications required by this clause shall be submitted to the Public Works Director."

IV. The following terms in 37 C.F.R. 401.14 shall for the purpose of this Agreement have the following meaning:

Contractor - Engineer

Government and Federal Agency – Local Agency

Subcontractor – Subconsultant

4. Basic survey notes, design computations, and other data prepared under this Agreement shall be made available for use by the City without further compensation and without restriction or limitation on their use.

B. The City may incorporate any portion of the deliverables into a project other than that for which they were performed, without further compensation to the Engineer; provided however, that (1) such deliverables shall thereupon be deemed to be the work product of the City and the City shall use same at its sole

risk and expense; and (2) the City shall remove the Engineer's name, seal, endorsement, and all other indices of authorship from the deliverables.

2.5 STANDARDS

The Engineer shall be responsible for working with the Local Agency in determining the appropriate design parameters and construction specifications for the project using good engineering judgment based on the specific site conditions, Local Agency needs, and guidance provided in the most current version of EPG 136 LPA Policy. If the project is on the state highway system or is a bridge project, then the latest version of MoDOT's Engineering Policy Guide (EPG) and Missouri Standard Specifications for Highway Construction shall be used (see EPG 136.7). The project plans must also be in compliance with the latest ADA (Americans with Disabilities Act) Regulations.

SECTION 3 - ADDITIONAL SERVICES OF ENGINEER

3.1 General

If authorized in writing by CITY, and agreed to in writing by ENGINEER, ENGINEER shall furnish or obtain from others Additional Services of the following types which are not considered normal or customary Basic Services. The scope of Additional Services may include:

3.1.1 Financial Consultation

Consult with CITY's fiscal agents and bond attorneys and provide such engineering data as required for any bond prospectus or other financing requirements

3.1.2 Property Procurement Assistance

Provide consultation and assistance on property procurement as related to professional engineering services being performed.

3.1.3 Obtaining Services of Others

Provide through subcontract the services or data set forth in Attachment A.

3.1.4 Preliminary or final engineering design of capital facilities except as specifically identified herein.

3.1.5 Preparation of reports, data, application, etc., in connection with modifications to FEMA floodplain definition and/or mapping.

3.1.6 Extra Services

Services not specifically defined heretofore that may be authorized in writing by CITY.

SECTION 4 - RESPONSIBILITIES OF CITY

- 4.1 Provide full information as to CITY's requirements for the PROJECT.
- 4.2 Assist ENGINEER by placing at ENGINEER's disposal available information pertinent to the assignment including previous reports and other data relative thereto, including the items outlined in Attachment A - "Scope of Basic Services," dated October 13, 2014.
- 4.3 Guarantee access to and make all provisions for ENGINEER to enter upon public and private property as required for ENGINEER to perform his services under this Agreement.
- 4.4 Examine all studies, reports, sketches, estimates, Bid Documents, Drawings, proposals and other documents presented by ENGINEER and render in writing decisions pertaining thereto.
- 4.5 Provide such professional legal, accounting, financial and insurance counseling services as may be required for the PROJECT.
- 4.6 Designate John Glascock, P.E., as CITY's representative with respect to the services to be performed under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define CITY's policies and decisions with respect to materials, equipment, elements and systems to be used in the PROJECT, and other matters pertinent to the services covered by this Agreement.
- 4.7 Give prompt written notice to ENGINEER whenever CITY observes or otherwise becomes aware of any defect in the PROJECT.
- 4.8 Furnish approvals and permits from all governmental authorities having jurisdiction over the PROJECT and such approvals and consents from others as may be necessary for completion of the PROJECT.
- 4.9 Furnish ENGINEER data such as probings and subsurface explorations, with appropriate professional interpretations; property, boundary, easement, right-of-way, topographic and utility surveys; zoning and deed restriction; and other special data or consultations, all of which ENGINEER may rely upon in performing his services under this Agreement.

SECTION 5 - PERIOD OF SERVICE

- 5.1 This Agreement will become effective upon the first written notice by CITY authorizing services hereunder.

5.2 This Agreement shall be applicable to all work assignments authorized by CITY subsequent to the date of its execution and shall be effective as to all assignments authorized.

5.3 Services shall be started within 10 calendar days of Notice to Proceed and completed on November 1, 2016. CITY shall have the right to establish performance times for individual phases or elements of the PROJECT by delivering a written schedule setting out the performance times to the ENGINEER.

The Local Agency will grant time extensions for delays due to unforeseeable causes beyond the control of and without fault or negligence of the Engineer. Requests for extensions of time shall be made in writing by the Engineer, before that phase of work is scheduled to be completed, stating fully the events giving rise to the request and justification for the time extension requested.

SECTION 6 - COMPENSATION

6.1 For services provided under this contract, the Local Agency will compensate the Engineer as follows:

A. For design services, including work through the construction contract award stage, the Local Agency will pay the Engineer the actual costs incurred plus a predetermined fixed fee of \$9,044.44, with a ceiling established for said design services in the amount of \$86,525.49, which amount shall not be exceeded.

B. For construction inspection services, the Local Agency will pay the Engineer the actual costs incurred plus a predetermined fixed fee of \$303.65, with a ceiling established for said inspection services in the amount of \$3,335.35, which amount shall not be exceeded.

C. The compensation outlined above has been derived from estimates of cost which are detailed in Attachment B. Any major changes in work, extra work, exceeding of the contract ceiling, or change in the predetermined fixed fee will require a supplement to this contract, as covered in Article III - ADDITIONAL SERVICES.

D. Actual costs in Sections A and B above are defined as:

1. Actual payroll salaries paid to employees for time that they are productively engaged in work covered by this contract, plus

sick leave pay, insurance benefits, retirement and incentive pay, plus

3. An amount estimated at 73.7% of actual salaries in Item 1 above for general administrative overhead, based on the Engineer's system for allocating indirect costs in accordance with sound accounting principles and business practice, plus
4. Other costs directly attributable to the project but not included in the above overhead, such as vehicle mileage, meals and lodging, printing, surveying expendables, and computer time, plus
5. Project costs incurred by others on a subcontract basis, said costs to be passed through the Engineer on the basis of reasonable and actual cost as invoiced by the subcontractors.

E. The rates shown for additives and overhead in Sections VII. D.2 and VII. D.3 above are approximate and will be used for interim billing purposes. Final payment will be based on the actual rates experienced during the period of performance, as indicated by the Engineer's accounting records, and as determined by final audit of the Engineer's records by MoDOT.

F. The payment of costs under this contract will be limited to costs which are allowable under 23 CFR 172 and 48 CFR 31.

G. METHOD OF PAYMENT: Partial payments for work satisfactorily completed will be made to the Engineer upon receipt of itemized invoices by the Local Agency. Invoices will be submitted no more frequently than once every two weeks and must be submitted monthly for invoices greater than \$10,000. A pro-rated portion of the fixed fee will be paid with each invoice. Upon receipt of the invoice and progress report, the Local Agency will, as soon as practical, but not later than 45 days from receipt, pay the Engineer for the services rendered, including the proportion of the fixed fee earned as reflected by the estimate of the portion of the services completed as shown by the progress report, less partial payments previously made. A late payment charge of one and one half percent (1.5%) per month shall be assessed for those invoiced amount not paid, through no fault of the Engineer, within 45 days after the Local Agency's receipt of the Engineer's invoice. The Local Agency will not be liable for the late payment charge on any invoice which requests payment for costs which exceed the proportion of the maximum amount payable earned as reflected by the estimate of the portion of the services completed, as shown by the progress report. The payment, other than the fixed fee, will be subject to final audit of actual expenses during the period of the Agreement.

during the period of the Agreement.

6.1.1 For services performed, CITY shall pay ENGINEER the sum of amounts determined as follows:

~~6.1.1.1 For time spent by personnel, payment at the hourly rates indicated in the "Schedule of Hourly Labor Billing Rates" (attached). Such rates include overhead and profit. The schedule is effective to January 1, 2015, and may be revised thereafter.~~ DAB

6.1.1.2 For outside expenses incurred by ENGINEER, such as authorized travel and subsistence, commercial services, and incidental expenses, the cost to ENGINEER.

6.1.1.3 For reproduction, printing, long-distance telephone calls, company vehicle usage, testing apparatus, computer services and computer-assisted drafting (CAD), amounts will be charged according to the ENGINEER's standard rates in effect at the time service is provided.

6.1.1.4 For professional services rendered by others as subcontractor(s) to ENGINEER such as surveying, real property descriptions, soil borings, subsurface investigations, laboratory testing, field quality control tests, progress photos, or other activities required or requested by CITY, will be billed at the cost to ENGINEER.

6.1.1.5 For time spent by outside individual professional consultants employed by ENGINEER in providing services to CITY, the cost to ENGINEER. Expenses incurred by such outside consultants in service to CITY shall be reimbursable in accordance with 6.1.1.2 above.

6.1.2 Total payment for Scope of Services and all other expenses and costs to the City under this agreement and described herein **shall not exceed \$89,860.84.**

SECTION 7 - GENERAL CONSIDERATIONS

7.1 Insurance

7.1.1 **ENGINEER'S INSURANCE:** ENGINEER agrees to maintain, on a primary basis and at its sole expense, at all times during the life of this contract the following insurance coverages, limits, including endorsements described herein. The requirements contained herein, as well as CITY's review or acceptance of insurance maintained by ENGINEER is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by ENGINEER under this contract

Commercial General Liability ENGINEER agrees to maintain Commercial General

Coverage shall not contain any endorsement(s) excluding nor limiting Contractual Liability or Cross Liability. If the contract involves any underground/digging operations, the general liability certificate shall include X, C and U (Explosion, Collapse and Underground) coverage.

Professional Liability ENGINEER agrees to maintain Professional (Errors & Omissions) Liability at a limit of liability not less than **\$2,000,000** per claim and **\$2,000,000** aggregate. For policies written on a "Claims-Made" basis, ENGINEER agrees to maintain a Retroactive Date prior to or equal to the effective date of this contract. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced; or any other event triggering the right to purchase a Supplemental Extended Reporting Period (SERP) during the life of this contract, ENGINEER agrees to purchase a SERP with a minimum reporting period not less than two (2) years. The requirement to purchase a SERP shall not relieve ENGINEER of the obligation to provide replacement coverage.

Business Automobile Liability ENGINEER agrees to maintain Business Automobile Liability at a limit of liability not less than **\$2,000,000** combined single limit for any one occurrence and not less than \$150,000 per individual, covering both bodily injury, including accidental death, and property damage, to protect themselves from any and all claims arising from the use of the ENGINEER's own automobiles, and trucks; hired automobiles, and trucks; and automobiles both on and off the site of work. Coverage shall include liability for Owned, Non-Owned & Hired automobiles. In the event ENGINEER does not own automobiles, ENGINEER agrees to maintain coverage for Hired & Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.

Workers' Compensation Insurance & Employers' Liability ENGINEER agrees to take out and maintain during the life of this contract, Employers' Liability and Workers' Compensation Insurance for all of their employees employed at the site of the work, and in case any work is sublet, the ENGINEER shall require the subcontractor similarly to provide Workers' Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the ENGINEER. Workers' Compensation coverages shall meet Missouri statutory limits. Employers' Liability minimum limits shall be \$500,000 each employee, \$500,000 each accident and \$500,000 policy limit. In case any class of employees engaged in hazardous work under this contract is not protected under the Workers' Compensation Statute, the ENGINEER shall provide and shall cause each subcontractor to provide Employers' Liability Insurance for the protection of their employees not otherwise protected.

Excess/Umbrella Liability The above liability limits may be satisfied by any combination of primary and excess/umbrella liability policies.

Additional Insured ENGINEER agrees to endorse CITY as an Additional Insured with a CG 2026 Additional Insured – Designated Person or Organization endorsement, or

similar endorsement, to the Commercial General Liability. The Additional Insured shall read "City of Columbia."

Waiver of Subrogation ENGINEER agrees by entering into this contract to a Waiver of Subrogation for each required policy herein except professional liability. When required by the insurer, or should a policy condition not permit ENGINEER to enter into an pre-loss agreement to waive subrogation without an endorsement, then ENGINEER agrees to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy, which includes a condition specifically prohibiting such an endorsement, or voids coverage should ENGINEER enter into such an agreement on a pre-loss basis.

Certificate(s) of Insurance ENGINEER agrees to provide CITY with Certificate(s) of Insurance evidencing that all coverages, limits and endorsements required herein are maintained and in full force and effect. Said Certificate(s) of Insurance shall include a minimum thirty (30) day endeavor to notify due to cancellation or non-renewal of coverage. The Certificate(s) of Insurance shall name the City as additional insured in an amount as required in this contract and contain a description of the project or work to be performed.

Right to Revise or Reject CITY reserves the right, but not the obligation, to review and revise any insurance requirement, not limited to limits, coverages and endorsements based on insurance market conditions affecting the availability or affordability of coverage; or changes in the scope of work / specifications affecting the applicability of coverage. Additionally, the CITY reserves the right, but not the obligation, to review and reject any insurance policies failing to meet the criteria stated herein or any insurer providing coverage due of its poor financial condition or failure to operating legally.

7.1.2 **HOLD HARMLESS AGREEMENT:** To the fullest extent not prohibited by law, ENGINEER shall indemnify and hold harmless the City of Columbia, its directors, officers, agents and employees from and against all claims, damages, losses and expenses (including but not limited to attorney's fees) arising by reason of any negligent act or failure to act, or willful misconduct, of ENGINEER, of any subcontractor (meaning anyone, including but not limited to consultants having a contract with ENGINEER or a subcontractor for part of the services), of anyone directly or indirectly employed by ENGINEER or by any subcontractor, or of anyone for whose acts the ENGINEER or its subcontractor may be liable, in connection with providing these services except as provided in this Agreement. This provision does not, however, require ENGINEER to indemnify, hold harmless or defend the City of Columbia from its own negligence, except as set out herein.

7.1.3 **Professional Oversight Indemnification:** The ENGINEER understands and agrees that CITY has contracted with ENGINEER based upon

ENGINEER's representations that ENGINEER is a skilled professional and fully able to provide the services set out in this Agreement. In addition to any other indemnification set out in this Agreement, ENGINEER agrees to defend, indemnify and hold and save harmless the CITY from any and all claims, settlements and judgments whatsoever arising out of the CITY's alleged negligence in hiring or failing to properly supervise the ENGINEER.

The insurance required by this Agreement shall include coverage which shall meet ENGINEER's obligations to indemnify the CITY as set out above and the CITY shall be named as co-insured for such insurance.

7.2 Professional Responsibility

7.2.1 ENGINEER will exercise reasonable skill, care, and diligence in the performance of its services and will carry out its responsibilities in accordance with customarily accepted good professional engineering practices. If the ENGINEER fails to meet the foregoing standard, ENGINEER will perform at its own cost, and without reimbursement from CITY, the professional engineering services necessary to correct errors and omissions which are caused by ENGINEER's failure to comply with above standard, and which are reported to ENGINEER within one year from the completion of ENGINEER's services for the PROJECT.

7.2.2 In addition, ENGINEER will be responsible to CITY for damages caused by its negligent conduct during its activities at the PROJECT site or in the field.

7.3 Estimates and Projections

Estimates and projections prepared by ENGINEER relating to construction costs and schedules, operation and maintenance costs, equipment characteristics and performance, and operating results are based on ENGINEER's experience, qualifications and judgment as a design professional. Since ENGINEER has no control over weather, cost and availability of labor, material and equipment, labor productivity, construction contractor's procedures and methods, unavoidable delays, construction contractor's methods of determining prices, economic conditions, competitive bidding or market conditions and other factors affecting such estimates or projections, ENGINEER does not guarantee that actual rates, costs, performance, schedules, etc., will not vary from estimates and projections prepared by ENGINEER.

7.4 On-Site Services

PROJECT site visits by ENGINEER during construction shall not make ENGINEER responsible for construction means, methods, techniques, sequences or procedures; for construction safety precautions or programs; or for any construction contractor(s') failure to perform its work in accordance with the plans and specifications.

7.5 Changes

CITY shall have the right to make changes within the general scope of ENGINEER's services, with an appropriate change in compensation, upon execution of a mutually acceptable amendment or change order signed by an authorized representative of the CITY and the President or any Vice President of the ENGINEER.

7.6 Suspension of Services

Should CITY fail to fulfill its responsibilities as provided under Section 4 to the extent that ENGINEER is unduly hindered in his services or if CITY fails to make any payment to ENGINEER on account of its services and expenses within ninety (90) days after receipt of ENGINEER's bill therefor, ENGINEER may, after giving seven (7) days' written notice to CITY, suspend services under this Agreement until CITY has satisfied his obligations under this Agreement.

7.7 Suspension or Termination of Agreement

A. The Local Agency may, without being in breach hereof, suspend or terminate the Engineer's services under this Agreement, or any part of them, for cause or for the convenience of the Local Agency, upon giving to the Engineer at least fifteen (15) days' prior written notice of the effective date thereof. The Engineer shall not accelerate performance of services during the fifteen (15) day period without the express written request of the Local Agency.

B. Should the Agreement be suspended or terminated for the convenience of the Local Agency, the Local Agency will pay to the Engineer its costs as set forth in Attachment B including actual hours expended prior to such suspension or termination and direct costs as defined in this Agreement for services performed by the Engineer, a proportional amount of the fixed fee based upon an estimated percentage of Agreement completion, plus reasonable costs incurred by the Engineer in suspending or terminating the services. The payment will make no other allowances for damages or anticipated fees or profits. In the event of a suspension of the services, the Engineer's compensation and schedule for performance of services hereunder shall be equitably adjusted upon resumption of performance of the services.

C. The Engineer shall remain liable to the Local Agency for any claims or damages occasioned by any failure, default, or negligent errors and/or omission in carrying out the provisions of this Agreement during its life, including those giving rise to a termination for non-performance or breach by Engineer. This liability shall survive and shall not be waived, or estopped by final payment under this Agreement.

D. Upon the occurrence of any of the following events, the Engineer may suspend performance hereunder by giving the Local Agency 30 days advance written notice and may continue such suspension until the condition is

satisfactorily remedied by the Local Agency. In the event the condition is not remedied within 120 days of the Engineer's original notice, the Engineer may terminate this agreement.

1. Receipt of written notice from the Local Agency that funds are no longer available to continue performance.
2. The Local Agency's persistent failure to make payment to the Engineer in a timely manner.
3. Any material contract breach by the Local Agency.

7.7.1 In the event of CITY's termination of the Agreement pursuant to the above section, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared under this Agreement, shall at the option of the CITY become its property.

Further, the ENGINEER shall not be relieved of any liability to the CITY for any damages sustained by the CITY by virtue of any breach of this Agreement by ENGINEER and the CITY may withhold any payments due the ENGINEER for the purpose of set-off until such time as the exact amount of damages to the CITY, if any, is determined.

7.7.2 Covenant Against Contingent Fees

The Engineer warrants that he has not employed or retained any company or person, other than a bona fide employee working for the Engineer, to solicit or secure this agreement, and that he has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this contract. For breach or violation of this warranty, the Local Agency shall have the right to annul this agreement without liability, or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee, plus reasonable attorney's fees.

7.8 Publications

Recognizing the importance of professional development on the part of ENGINEER's employees and the importance of ENGINEER's public relations, ENGINEER may prepare publications, such as technical papers, articles for periodicals, and press releases, pertaining to ENGINEER's services for the PROJECT. Such publications will be provided to CITY in draft form for CITY's advance review. CITY will review such drafts promptly and will provide comments to ENGINEER. CITY may require deletion of proprietary data or confidential information from such publications but otherwise will not unreasonably withhold its approval. The

cost of ENGINEER's activities pertaining to any such publication shall be paid entirely by ENGINEER.

7.9.2 Nondiscrimination

The Engineer, with regard to the work performed by it after award and prior to completion of the contract work, will not discriminate on the ground of race, color or national origin in the selection and retention of subcontractors. The Engineer will comply with Title VII of the Civil Rights Act of 1964, as amended. More specifically, the Engineer will comply with the regulations of the Department of Transportation relative to nondiscrimination in federally assisted programs of the Department of Transportation, as contained in 49 CFR 21 through Appendix H and 23 CFR 710.405 which are herein incorporated by reference and made a part of this contract. In all solicitations either by competitive bidding or negotiation made by the Engineer for work to be performed under a subcontract, including procurements of materials or equipment, each potential subcontractor or supplier shall be notified by the Engineer's obligations under this contract and the regulations relative to non-discrimination on the ground of color, race or national origin.

ENGINEER shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, handicap, or national origin. ENGINEER shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, age, handicap, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training including apprenticeship. ENGINEER agrees to post notices in conspicuous places, available to employees and applicants for employment.

7.9.3 ENGINEER shall, in all solicitation or advertisements for employees placed by or on behalf of ENGINEER, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, handicap, or national origin.

7.9.4 ENGINEER shall comply with all provisions of State and Federal Laws governing the regulation of Equal Employment Opportunity including Title VI of the Civil Rights Act of 1964.

7.10 Successor and Assigns

CITY and ENGINEER each binds himself and his successors, executors, administrators and assigns to the other party of this Agreement and to the successors, executors, administrators and assigns of such other party, in respect to all covenants of this Agreement; except as above, neither CITY nor ENGINEER shall assign, sublet or transfer his interest in the Agreement without the written consent of the other.

7.11 Rights and Benefits

ENGINEER's services will be performed solely for the benefit of the CITY and not for the benefit of any other persons or entities.

7.12 Compliance with Local Laws

ENGINEER shall comply with all applicable laws, ordinances and codes of the state and city.

7.13 Law; Submission to Jurisdiction Governing.

This Contract shall be governed by, interpreted and enforced in accordance with the laws of the State of Missouri and/or the laws of the United States, as applicable. The venue for all litigation arising out of, or relating to this Contract Document, shall be Boone County, Missouri or the United States Western District of Missouri. The parties hereto irrevocably agree to submit to the exclusive jurisdiction of such courts in the State of Missouri and waive any defense of forum non conveniens

7.14 Employment of Unauthorized Aliens Prohibited

7.14.1 ENGINEER agrees to comply with Missouri State Statute section 285.530 in that they shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the state of Missouri.

7.14.2 As a condition for the award of this contract ENGINEER shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. ENGINEER shall also sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services.

7.14.3 ENGINEER shall require each subcontractor to affirmatively state in its contract with ENGINEER that the subcontractor shall not knowingly employ, hire for employment or continue to employ an unauthorized alien to perform work within the state of Missouri. ENGINEER shall also require each subcontractor to provide ENGINEER with a sworn affidavit under the penalty of perjury attesting to the fact that the subcontractor's employees are lawfully present in the United States.

7.15 Lobby Certification

Certification on Lobbying: Since federal funds are being used for this agreement, the Engineer's signature on this agreement constitutes the execution of all certifications on lobbying which are required by 49 C.F.R. Part 20 including Appendix A and B to Part 20. Engineer agrees to abide by all certification or disclosure requirements in 49 C.F.R. Part 20 which are incorporated herein by reference.

7.16 No Waiver of Immunities

In no event shall the language of this Agreement constitute or be construed as a waiver or limitation for either party's rights or defenses with regard to each party's applicable sovereign, governmental, or official immunities and protections as provided by federal and state constitutions or laws.

7.17 Entire Agreement

This Agreement represents the entire and integrated Agreement between ENGINEER and CITY relative to the Scope of Services herein. All previous or contemporaneous agreements, representations, promises and conditions relating to ENGINEER's services described herein are superseded.

7.18 Attachments

The following exhibits are attached hereto and are hereby made part of this contract:

Attachment A – Scope of Service

Attachment B - Estimate of Cost

Attachment C – DBE Contract Provisions

Attachment D – Fig. 136.4.15 Conflict of Interest Disclosure Form

[SIGNATURES ON FOLLOWING PAGE]

CITY OF COLUMBIA, MISSOURI

By: _____
Mike Matthes, City Manager

ATTESTED BY:

Sheela Amin, City Clerk

APPROVED AS TO FORM:

Nancy Thompson, City Counselor

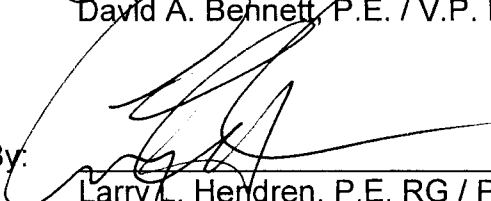
CERTIFICATION: I hereby certify that the above expenditure is within the purpose of the appropriation to which it is charged, Account No. _____, and that there is an unencumbered balance to the credit of such appropriation sufficient to pay therefor. *440-8800-528-40-23, C00518*

Director of Finance

ENGINEER

By: 

David A. Bennett, P.E. / V.P. Engineering

By: 

Larry L. Hendren, P.E. RG / Principal

NOTICE TO VENDORS

Section 285.525 – 285.550 RSMo Effective January 1, 2009

Effective January 1, 2009 and pursuant to RSMo 285.530 (1), No business entity or employer shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the state of Missouri.

As a condition for the award of any contract or grant in excess of five thousand dollars by the state or by any political subdivision of the state to a business entity, or for any business entity receiving a state administered or subsidized tax credit, tax abatement, or loan from the state, the business entity shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. Every such business entity shall sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services. [RSMO 285.530 (2)]

An employer may enroll and participate in a federal work authorization program and shall verify the employment eligibility of every employee in the employer's hire whose employment commences after the employer enrolls in a federal work authorization program. The employer shall retain a copy of the dated verification report received from the federal government. Any business entity that participates in such program shall have an affirmative defense that such business entity has not violated subsection 1 of this section. [RSMO 285.530 (4)]

For vendors that are not already enrolled and participating in a federal work authorization program, E-Verify is an example of this type of program. Information regarding E-Verify is available at:
http://www.dhs.gov/xprevprot/programs/gc_1185221678150.shtm.

CITY OF COLUMBIA, MISSOURI
WORK AUTHORIZATION AFFIDAVIT
PURSUANT TO 285.530 RSMo
(FOR ALL BIDS IN EXCESS OF \$5,000.00)

Effective 1/1/2009

County of Boone)
State of Missouri) ss.

My name is Larry L. Hendrick I am an authorized agent of Engineering
Survey & Service (Bidder). This business is enrolled and participates in a federal
work authorization program for all employees working in connection with services
provided to the City of Columbia. This business does not knowingly employ any person
who is an unauthorized alien in connection with the services being provided.

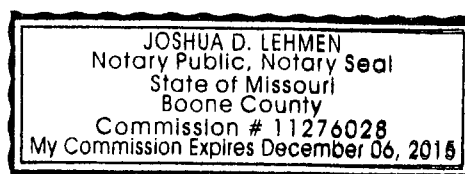
**Documentation of participation in a federal work authorization program is
attached to this affidavit.**

Furthermore, all subcontractors working on this contract shall affirmatively state
in writing in their contracts that they are not in violation of Section 285.530.1 RSMo and
shall not thereafter be in violation. Alternatively, a subcontractor may submit a sworn
affidavit under penalty of perjury that all employees are lawfully present in the United
States.

[Signature]
Affiant
Larry L. Hendrick
Printed Name

Subscribed and sworn to before me this 12th day of August, 2013.

[Signature]
Notary Public



ATTACHMENT A - SCOPE OF SERVICES

October 14, 2014

Broadway Pavement Improvements STP-2014 (505)
City of Columbia Public Works Department

PROJECT DESCRIPTION:

The Broadway Pavement Improvement Project STP-2014 (505) includes construction of an asphalt mill and overlay from Providence Road (State Route 163) to Hitt Street and sidewalk ramp improvements to meet FHWA requirements. Up to 35 sidewalk ramps, as listed on the attached spreadsheet prepared by the City, will need to be removed and replaced. Eight additional sidewalk ramps will need detectable warning surfaces added as part of the construction. The Ninth Street intersection will be evaluated for additional hardscape aesthetic treatments. All sidewalk ramps requiring reconstruction will be reconstructed within their existing horizontal plan limits (i.e. no new roadway bumpouts or landscaping). The asphalt milling and overlaying is anticipated to occur at night. Typical temporary traffic control drawings will be prepared to route pedestrians around the sidewalk ramps during construction. The City will provide all pavement marking plan sheets, quantities, and specifications to be included in the contract documents.

TASK SUMMARY

The following is a summary of the tasks associated with the scope of services to be provided by Engineering Surveys and Services for this project.

- A. Concept Plans
- B. Preliminary Plans
- C. Final Plans, Specifications, and Estimates
- D. Bid Phase Services
- E. Construction Phase Services
- F. Contract Closeout Services

DETAILED SCOPE OF WORK

TASK A. Concept Plans

1. Preliminary Site Visit
2. Attend Design Team Kickoff Meeting
3. Prepare Kickoff Meeting Minutes
4. Collect and review available data:
 - 4.1. City topographic surveys, aerial photo
 - 4.2. Property Ownership Information

5. Prepare Concept Plans
 - 5.1. Prepare MoDOT NEPA Classification Request
 - 5.2. Review Aesthetic Feature Options
 - 5.3. Prepare Rendering for one (1) Aesthetic Feature at 9TH Street
 - 5.4. Opinion of Probable Cost for one (1) Aesthetic Feature at 9th Street
 - 5.5. Plan View Aerial Photo Exhibit for Interested Parties Meeting
 - 5.6. Typical asphalt overlay cross section
 - 5.7. ES&S Internal Review
 - 5.8. Present to Columbia Public Works (CPW) Staff
 - 5.9. Address CPW Comments
6. Interested Parties Public Meeting
 - 6.1. Open House Interested Parties Meetings
 - 6.1.1. Assist the City in conducting an open house type interested parties meeting.
Prepare all displays and documents needed for meeting.
7. Final Concept Plan with input from Interested Parties Meeting
 - 7.1. Prepare Final Concept Plan
 - 7.2. Opinion of Probable Cost
 - 7.3. ES&S Internal Review
 - 7.4. Submit Draft Report to CPW
 - 7.5. Address CPW Comments
8. City Council Public Hearing
 - 8.1. Present Final Concept plan at Public Hearing

TASK B. PRELIMINARY PLANS

9. Provide a topographic survey of the sidewalk ramps at 8 intersections within the proposed project limits. Including:
 - 9.1. General:
 - 9.1.1. City vertical datum
 - 9.2. Apparent Boundary Monuments:
 - 9.2.1. We will make a cursory review of boundary surveys to determine locations of property monuments close to the sidewalk ramps that will be removed and replaced.
 - 9.2.2. We will collect survey points on these property corners so they can be replaced if damaged by the contractor. Replacement of survey monuments will be paid for by the contractor unless shown differently on the plans.

- 9.2.3. The topographic survey will be used to help document “technically infeasible” areas of the project.
- 9.2.4. Show street right-of-way lines and parcel lines from Boone County Assessor parcel data. We will not be performing a boundary survey
- 9.2.5. Label Property Owner names
- 9.3. Topo at Crosswalks
 - 9.3.1. Full topo 20 feet back of sidewalk ramps
 - 9.3.2. Show face of buildings and visible utilities (Missouri One Call locates are not included)
 - 9.3.3. Storm sewer inlets will be shown. Pipe sizes, material and flow lines will not be shown.

10. Utility Coordination

- 10.1. Drawings will be sent to utility representatives as PDFs for coordination.
- 10.2. A utility coordination meeting is not included

11. Prepare 50% Preliminary Plans

- 11.1. Environmental Clearances: SHPO, 404, Endangered Species, Floodplain
- 11.2. Title Sheet
- 11.3. Overall Plan View Sheet
- 11.4. Ramp grading plan sheets
- 11.5. Aesthetic Features Plan sheets
- 11.6. Temporary Traffic Control per MUTCD
- 11.7. Erosion Control Drawings
- 11.8. City of Columbia Standard Details
- 11.9. Field Review
- 11.10. Opinion of Probable Cost
- 11.11. ES&S Internal Review
- 11.12. Present to CPW Staff
- 11.13. Address CPW Comments

TASK C. FINAL PLANS, SPECS & ESTIMATES (PS&E)

12. Prepare 90% Final Plans

- 12.1. Title Sheet
- 12.2. Overall Plan View Sheet
- 12.3. Ramp grading plan sheets
- 12.4. Aesthetic Features Plan (Landworks)
- 12.5. Temporary Traffic Control per MUTCD
- 12.6. Erosion Control Drawings

- 12.7. City of Columbia Standard Details
- 12.8. Opinion of Probable Cost
- 12.9. Preliminary Project Manual/Specs
- 12.10. ES&S Internal Review
- 12.11. Present to CPW Staff
- 12.12. Address CPW Comments

13. Prepare 100% Final Plans

- 13.1. Title Sheet
- 13.2. Overall Plan View Sheet
- 13.3. Ramp grading plan sheets
- 13.4. Aesthetic Features Plans
- 13.5. Temporary Traffic Control per MUTCD
- 13.6. Erosion Control Drawings
- 13.7. City of Columbia Standard Details
- 13.8. Opinion of Probable Cost
- 13.9. Final Project Manual/Specs
- 13.10. Field Review
- 13.11. ES&S Internal Review
- 13.12. Present to CPW Staff

TASK E. BID PHASE SERVICES

- 14. Attend Pre-Bid Conference
- 15. Respond to Questions/Prepare Addendums
- 16. The City will provide the administration of bid documents, including distribution of bid documents, maintaining a bidders list, collection of money and distribution of addenda.

TASK F. CONSTRUCTION PHASE SERVICES

- 17. Attend Pre-Construction Meeting
- 18. Site Visits (8 hours total – All other site visits will be Additional Services)
- 19. City will provide all other Construction Phase Services with their own forces.

TASK G. CONTRACT CLOSEOUT SERVICES

- 20. Attend semi-final inspection (punch list).
- 21. Attend final inspection (job walks).

[illegible]

ATTACHMENT B

ESTIMATE OF COST

DESIGN PHASE	Hours	Rate (Salary Only)	Cost
Task A - Concept Plans			
Firm Principal	15	\$ 70.00	\$ 1,050.00
Professional Engineer	87.5	\$ 47.00	\$ 4,112.50
Engineer	50	\$ 27.00	\$ 1,350.00
CAD Designer	58	\$ 27.00	\$ 1,566.00
Professional Surveyor	2	\$ 60.00	\$ 120.00
Task B - Preliminary Plans			
Firm Principal	9	\$ 70.00	\$ 630.00
Professional Engineer	61.5	\$ 47.00	\$ 2,890.50
Engineer	67	\$ 27.00	\$ 1,809.00
CAD Designer	154	\$ 27.00	\$ 4,158.00
Professional Surveyor	28	\$ 60.00	\$ 1,680.00
Survey Field Crew	120	\$ 26.00	\$ 3,120.00
Task C - Final PS&E			
Firm Principal	5	\$ 70.00	\$ 350.00
Professional Engineer	59.5	\$ 47.00	\$ 2,796.50
Engineer	54	\$ 27.00	\$ 1,458.00
CAD Designer	64	\$ 27.00	\$ 1,728.00
Task D - Bid Phase Services			
Professional Engineer	6	\$ 47.00	\$ 282.00
Engineer	0	\$ 27.00	\$ -
SUBTOTAL			\$ 29,100.50
Payroll Overhead (Est. at 36.3 % X SUBTOTAL)			\$ 10,563.48
General and Admin. Overhead (Est. at 73.7 % X SUBTOTAL)			\$ 21,447.07
TOTAL LABOR & OVERHEAD			\$ 61,111.05
Fixed Fee	14.8 % X TOTAL LABOR & OVERHEAD)		\$ 9,044.44
TOTAL LABOR, OVERHEAD & FIXED FEE			\$ 70,155.49

Other Direct Costs

Total Station	\$ 1,000.00
Computer Time	\$ 2,000.00
Printing, Postage, Misc.	\$ 2,110.00

*Subcontract Pass-Through Costs (Identify by Name **indicates DBE firm(s))*

Landscape Design - Landworks Studio**	\$ 11,260.00
---------------------------------------	--------------

SUBTOTAL DIRECT COSTS \$ 16,370.00

TOTAL FOR DESIGN PHASE \$ 86,525.49

CONSTRUCTION PHASE

	<u>Hours</u>	<u>Rate (Salary Only)</u>	<u>Cost</u>
Task E - Construction Phase Services			
Firm Principal	<u>1</u>	\$ 70.00	\$ 70.00
Professional Engineer	<u>11</u>	\$ 47.00	\$ 517.00
Engineer	<u>4</u>	\$ 27.00	\$ 108.00

Task F - Contract Closeout Services

Professional Engineer	<u>6</u>	\$ 47.00	\$ 282.00
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SUBTOTAL 22 \$ 977.00

Payroll Overhead (Est. at 36.3 % X SUBTOTAL) \$ 354.65

General and Admin. Overhead (Est. at 73.7 % X SUBTOTAL) \$ 720.05

TOTAL LABOR & OVERHEAD \$ 2,051.70

Fixed Fee 14.8 % X TOTAL LABOR & OVERHEAD) \$ 303.65

TOTAL LABOR, OVERHEAD & FIXED FEE \$ 2,355.35

Other Direct Costs

Printing	\$ 100.00
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*Subcontract Pass-Through Costs (Identify by Name **indicates DBE firm(s))*

Landscape Design - Landworks Studio**	\$ 880.00
---------------------------------------	-----------

SUBTOTAL DIRECT COSTS \$ 980.00

TOTAL FOR CONSTRUCTION PHASE \$ 3,335.35

Attachment C
Disadvantage Business Enterprise Contract Provisions

1. Policy: It is the policy of the U.S. Department of Transportation and the Local Agency that businesses owned by socially and economically disadvantaged individuals (DBE's) as defined in 49 C.F.R. Part 26 have the maximum opportunity to participate in the performance of contracts financed in whole or in part with federal funds. Thus, the requirements of 49 C.F.R. Part 26 and Section 1101(b) of the Transportation Equity Act for the 21st Century (TEA-21) apply to this Agreement.

2. Obligation of the Engineer to DBE's: The Engineer agrees to assure that DBEs have the maximum opportunity to participate in the performance of this Agreement and any subconsultant agreement financed in whole or in part with federal funds. In this regard the Engineer shall take all necessary and reasonable steps to assure that DBEs have the maximum opportunity to compete for and perform services. The Engineer shall not discriminate on the basis of race, color, religion, creed, disability, sex, age, or national origin in the performance of this Agreement or in the award of any subsequent subconsultant agreement.

3. Geographic Area for Solicitation of DBEs: The Engineer shall seek DBEs in the same geographic area in which the solicitation for other subconsultants is made. If the Engineer cannot meet the DBE goal using DBEs from that geographic area, the Engineer shall, as a part of the effort to meet the goal, expand the search to a reasonably wider geographic area.

4. Determination of Participation Toward Meeting the DBE Goal: DBE participation shall be counted toward meeting the goal as follows:

A. Once a firm is determined to be a certified DBE, the total dollar value of the subconsultant agreement awarded to that DBE is counted toward the DBE goal set forth above.

B. The Engineer may count toward the DBE goal a portion of the total dollar value of a subconsultant agreement with a joint venture eligible under the DBE standards, equal to the percentage of the ownership and control of the DBE partner in the joint venture.

C. The Engineer may count toward the DBE goal expenditures to DBEs who perform a commercially useful function in the completion of services required in this Agreement. A DBE is considered to perform a commercially useful function when the DBE is responsible for the execution of a distinct element of the services specified in the Agreement and the carrying out of those responsibilities by actually performing, managing and supervising the services involved and providing the desired product.

D. A Engineer may count toward the DBE goal its expenditures to DBE firms consisting of fees or commissions charged for providing a bona fide service, such as professional, technical, consultant, or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials or supplies required for the performance of this Agreement, provided that the fee or commission is determined by

MoDOT's External Civil Rights Division to be reasonable and not excessive as compared with fees customarily allowed for similar services.

E. The Engineer is encouraged to use the services of banks owned and controlled by socially and economically disadvantaged individuals.

5. Replacement of DBE Subconsultants: The Engineer shall make good faith efforts to replace a DBE Subconsultant, who is unable to perform satisfactorily, with another DBE Subconsultant. Replacement firms must be approved by MoDOT's External Civil Rights Division.

6. Verification of DBE Participation: Prior to final payment by the Local Agency, the Engineer shall file a list with the Local Agency showing the DBEs used and the services performed. The list shall show the actual dollar amount paid to each DBE that is applicable to the percentage participation established in this Agreement. Failure on the part of the Engineer to achieve the DBE participation specified in this Agreement may result in sanctions being imposed on the Commission for noncompliance with 49 C.F.R. Part 26 and/or Section 1101(b) of TEA-21. If the total DBE participation is less than the goal amount stated by the MoDOT's External Civil Rights Division, liquidated damages may be assessed to the Engineer.

Therefore, in order to liquidate such damages, the monetary difference between the amount of the DBE goal dollar amount and the amount actually paid to the DBEs for performing a commercially useful function will be deducted from the Engineer's payments as liquidated damages. If this Agreement is awarded with less than the goal amount stated above by MoDOT's External Civil Rights Division, that lesser amount shall become the goal amount and shall be used to determine liquidated damages. No such deduction will be made when, for reasons beyond the control of the Engineer, the DBE goal amount is not met.

7. Documentation of Good Faith Efforts to Meet the DBE Goal: The Agreement goal established by MoDOT's External Civil Rights Division. The Engineer must document the good faith efforts it made to achieve that DBE goal, if the agreed percentage specified is less than the percentage stated. Good faith efforts to meet this DBE goal amount may include such items as, but are not limited to, the following:

A. Attended a meeting scheduled by the Department to inform DBEs of contracting or consulting opportunities.

B. Advertised in general circulation trade association and socially and economically disadvantaged business directed media concerning DBE subcontracting opportunities.

C. Provided written notices to a reasonable number of specific DBEs that their interest in a subconsultant agreement is solicited in sufficient time to allow the DBEs to participate effectively.

D. Followed up on initial solicitations of interest by contacting DBEs to determine with certainty whether the DBEs were interested in subconsulting work for

this Agreement.

E. Selected portions of the services to be performed by DBEs in order to increase the likelihood of meeting the DBE goal (including, where appropriate, breaking down subconsultant agreements into economically feasible units to facilitate DBE participation).

F. Provided interested DBEs with adequate information about plans, specifications and requirements of this Agreement.

G. Negotiated in good faith with interested DBEs, and not rejecting DBEs as unqualified without sound reasons, based on a thorough investigation of their capabilities.

H. Made efforts to assist interested DBEs in obtaining any bonding, lines of credit or insurance required by the Commission or by the Engineer.

I. Made effective use of the services of available disadvantaged business organizations, minority contractors' groups, disadvantaged business assistance offices, and other organizations that provide assistance in the recruitment and placement of DBE firms.

8. Good Faith Efforts to Obtain DBE Participation: If the Engineer's agreed DBE goal amount as specified is less than the established DBE goal given, then the Engineer certifies that the following good faith efforts were taken by Engineer in an attempt to obtain the level of DBE participation set by MoDOT's External Civil Rights.

Attachment D – Fig. 136.4.15
Conflict of Interest Disclosure Form for LPA/Consultants
Local Federal-aid Transportation Projects

Firm Name (Consultant): Engineering Surveys and Services

Project Owner (LPA): City of Columbia, Missouri

Project Name: Broadway Pavement Improvements

Project Number: STP – 2014 (505)

As the LPA and/or consultant for the above local federal-aid transportation project, I have:

1. Reviewed the conflict of interest information found in Missouri's Local Public Agency Manual (EPG 136.4)
2. Reviewed the Conflict of Interest laws, including 23 CFR § 1.33, 49 CFR 18.36.

And, to the best of my knowledge, determined that, for myself, any owner, partner or employee, with my firm or any of my sub-consulting firms providing services for this project, including family members and personal interests of the above persons, there are:

☒ No real or potential conflicts of interest
If no conflicts have been identified, complete and sign this form and submit to LPA

☐ Real conflicts of interest or the potential for conflicts of interest
If a real or potential conflict has been identified, describe on an attached sheet the nature of the conflict, and provide a detailed description of Consultant's proposed mitigation measures (if possible). Complete and sign this form and send it, along with all attachments, to the appropriate MoDOT District Representative, along with the executed engineering services contract.

LPA

Printed Name: _____

Signature: _____

Date: _____

Consultant

Printed Name: David A. Bennett, P.E.

Signature: 

Date: 10/17/2014



103 S. Chestnut Street • Olathe, KS 66061 • 913.780.6707

Professional Services Proposal 14-076

To	From	14 October 2014
David Bennett, PE Engineering Surveys & Services 1113 Fay Street Columbia, MO 65201 P: (573) 449-2646 F: (573) 499-1499	Carisa McMullen, RLA Principal Project Broadway Pavement Improvements STP - 2014 (505) - Columbia, MO	

Project Description

Thank you for the opportunity to present a proposal for Landscape Architectural services as part of this Project. We look forward to assisting you by providing the scope of services described herein.

Scope of Services

As support to ES&S as part of this project, we offer to provide the following:

A graphic rendering of the intersection at 9th Street and Broadway in downtown Columbia. The rendering will highlight the ADA ramp improvements at the intersection corners. The rendering will be produced from the information gathered by ES&S and Landworks Studio and will be based on the construction documentation completed by ES&S to meet the City of Columbia's Street Standards.

To support the project improvements, we plan to attend three (3) meetings.

- 1) Project Kick-Off Meeting
- 2) Interested Parties Meeting
- 3) Public Open House (December)

Submittals for aesthetic improvement features include Conceptual Plans, Preliminary Plans, Final PS&E and Construction Phase Services limited to shop drawing and materials review.

The design fee includes reimbursable expenses of mileage, meals associated with 3 trips to Columbia, printing and production of graphic displays.

Itemized Fees

Conceptual Design	Hourly	7,820.00
Preliminary Plans	Hourly	2,220.00
Final Plans	Hourly	1,220.00
Construction Phase Services	Hourly	880.00

Terms and Conditions

SECTION 1 - BASIC SERVICES OF LANDSCAPE ARCHITECT

1.1 General.

1.1.1. The Basic Services to be performed by LANDWORKS STUDIO, hereinafter referred to as LANDSCAPE ARCHITECT, are defined in the attached proposal letter agreement, hereinafter referred to as Letter of Agreement. When Letter of Agreement is signed by both parties, with the second party hereinafter referred to as CLIENT, the Letter of Agreement invokes the Standard Agreement and Terms and Conditions contained herein.

1.1.2. The part of the Project for which LANDSCAPE ARCHITECT is to provide services described in the attached Letter of Agreement and in this document is hereinafter referred to as This Part of the Project.

1.1.3. LANDSCAPE ARCHITECT will collaborate with CLIENT and CLIENT's consultants to the extent required to provide a coordinated design for the overall Project. All communications with the CLIENT's consultants or other Project participants will be through or with the knowledge of the CLIENT. Except as set forth herein, LANDSCAPE ARCHITECT will not have any duties or responsibilities for any other part of the Project. LANDSCAPE ARCHITECT will perform services in character sequence and timing so that it will be coordinated with that of CLIENT and other consultants for the Project. LANDSCAPE ARCHITECT agrees to a mutual exchange of Drawings and Specifications for the Project with CLIENT and other consultants.

1.1.4. If you have chosen not to have the LANDSCAPE ARCHITECT and the consultants of the LANDSCAPE ARCHITECT provide construction administration services on the project, then those services shall be excluded from our contract. The CLIENT shall then assume the liability to ensure that the project is constructed in accordance with the design of the LANDSCAPE ARCHITECT and the CLIENT will hold the LANDSCAPE ARCHITECT harmless from any claim due to the contractor not building per plans and specifications.

SECTION 2 - ADDITIONAL SERVICES

2.1 General.

If authorized in writing by the CLIENT, LANDSCAPE ARCHITECT shall furnish or obtain from others Additional Services of the following types which are not considered normal or customary Basic Services except to the extent provided in the attached Letter of Agreement; these will be paid for by CLIENT as indicated in Section 5.

2.1.1. Services to make measured drawings of or to investigate existing conditions or facilities, or to verify the accuracy of drawings or other information furnished by CLIENT.

2.1.2. Services resulting from significant changes in extent of This Part of the Project or its design including, but not limited to, changes in size, complexity, CLIENT's schedule, or character of construction; and revising previously accepted studies, reports, design documents, or Contract Documents when such revisions are due to causes beyond LANDSCAPE ARCHITECT's control.

2.1.3. Additional services in connection with This Part of the Project; including services normally furnished by CLIENT, and services not otherwise provided for in this or the attached Letter of Agreement such as: services of special consultants, value engineering, detailed cost estimates, or Bid Phase or Construction Phase services.

SECTION 3 - CLIENT'S RESPONSIBILITIES

CLIENT shall:

3.1. Provide all criteria and full information as to CLIENT's requirements for the Project including: design objectives and constraints, space, capacity and performance requirements, flexibility and expandability, and any budgetary limitations. Furnish copies of all design and construction standards which CLIENT will require to be included in the Drawings and Specifications.

3.2. Assist LANDSCAPE ARCHITECT by placing at his disposal all available information pertinent to the Project including previous reports and any other data relative to design or construction of the Project.

3.3. Arrange for access to and make all provisions for LANDSCAPE ARCHITECT to enter upon public and private property as

required for LANDSCAPE ARCHITECT to perform his services.

3.4. Furnish, or direct LANDSCAPE ARCHITECT in writing to provide, necessary Additional Services as stipulated in Section 2 of this Agreement or other services as required.

3.5. Bear all costs incident to compliance with the requirements of this Section 3.

SECTION 4 - PERIOD OF SERVICE

4.1. The provisions of this Section 4 and the various rates of compensation for LANDSCAPE ARCHITECT's services provided for elsewhere in this Agreement have been agreed to in anticipation of the orderly and continuous progress of the Project through completion of the Design Phase (unless otherwise stated in attached proposal letter). LANDSCAPE ARCHITECT's obligation to render services hereunder will extend for a period that may reasonably be required for the design (unless otherwise stated in attached proposal letter) of This Part of the Project; including extra work and required extensions thereto.

4.2. If LANDSCAPE ARCHITECT's services for design (or phases as stated in attached proposal letter) of This Part of the Project are delayed or suspended (in whole or in part) by CLIENT for more than two weeks for reasons beyond LANDSCAPE ARCHITECT's control then LANDSCAPE ARCHITECT shall, on written demand to CLIENT (but without termination of this Agreement) be paid as provided in paragraph 5.3.2. If such delay or suspension extends for more than three months (for reasons beyond LANDSCAPE ARCHITECT's control) or if LANDSCAPE ARCHITECT, for any reason, is required to render services more than three months after initial date of letter of agreement, the various rates of compensation shall be subject to renegotiation.

SECTION 5 - PAYMENTS TO LANDSCAPE ARCHITECT

5.1.1. For Basic Services. CLIENT shall pay LANDSCAPE ARCHITECT for Basic Services described in the Letter of Agreement rendered under Section 1 the Lump Sum or Time and Materials Fee as described in the Letter of Agreement.

5.1.2. For Additional Services. CLIENT shall pay LANDSCAPE ARCHITECT for Additional Services rendered under Section 2 as follows:

5.1.2.1. General. For Additional Services rendered, under paragraphs 2.1.1 through 2.1.3, the fee shall be that which is agreed upon on an Authorization for Additional Services form. This Authorization for Additional Services form shall be issued at the time of CLIENT's request and shall include revised scope of work. The Authorization for Additional Services form shall be signed by the CLIENT and this will act as notice to proceed with Additional Services.

5.1.3. Reimbursable Expenses. In addition to payments provided for in paragraphs 5.1.1 and 5.1.2, CLIENT shall pay LANDSCAPE ARCHITECT the actual costs (times a factor of 1.1) of all Reimbursable Expenses incurred in connection with all Basic and Additional Services if defined in the attached Letter of Agreement.

5.1.4. The terms "Reimbursable Expenses" will have the meanings assigned in paragraph 5.4.

5.2. Times of Payments

5.2.1. LANDSCAPE ARCHITECT shall submit monthly invoices for Basic and Additional Services rendered and for Reimbursable Expenses incurred at significant project milestones. The invoices will be based upon LANDSCAPE ARCHITECTS's estimate of the proportion of the total services actually completed at the time of billing. Payment terms are net 30 days. CLIENT shall make prompt payments in response to LANDSCAPE ARCHITECT's statements.

5.3. Other Provisions Concerning Payments.

5.3.1. If CLIENT fails to make any payment due LANDSCAPE ARCHITECT for services and expenses within the limits described in the attached Letter of Agreement, the amounts due LANDSCAPE ARCHITECT shall include a charge at the rate of 1.5% per month from said thirtieth day, and in addition, LANDSCAPE ARCHITECT may (after giving seven days written notice to CLIENT) suspend services under this Agreement until he has been paid in full all amounts due him for services and expenses.

5.3.2. In the event of termination by CLIENT under paragraph 7.1 of the Basic Services; LANDSCAPE ARCHITECT will be paid for services rendered up to that time (on the basis of Direct Labor Costs times a factor of 3.2) for services rendered to date of

termination by principal and employees assigned to This Part of the Project. In the event of any such termination, LANDSCAPE ARCHITECT will be paid for all unpaid Additional Services and unpaid Reimbursable Expenses, plus all termination expenses. Termination Expenses mean Reimbursable Expenses directly attributable to termination.

5.4. Definitions.

5.4.1. The Direct Labor Costs used as a basis for payment means salaries and wages (basic and incentive) paid to all personnel engaged directly on the Projects, including but not limited to; LANDSCAPE ARCHITECTs, designers, drafters, estimators, administration, and clerical.

5.4.2. Reimbursable Expenses means the actual expenses incurred (directly or indirectly) in connection with the Project for: postage, toll, reproduction of reports, Drawings, Specifications, and similar Project related items in addition to those required under Section 1; project related travel and lodging costs; and, if authorized in advance by CLIENT, overtime work requiring higher than regular rates.

SECTION 6 - OPINIONS OF COST

6.1. Opinions of Cost.

6.1.1. Since LANDSCAPE ARCHITECT has no control over the cost of labor, material, equipment, or services furnished by others; or over the Contractor(s) methods of determining prices; or over competitive bidding or market conditions; then his opinions of probable Construction cost for This Part of the Project provided for herein are to be made on the basis of his experience and qualifications; and represent his best judgment as an experienced and qualified Professional LANDSCAPE ARCHITECT (familiar with the construction industry). LANDSCAPE ARCHITECT cannot and does not guarantee that proposals, bids, or actual Construction Cost for This Part of the Project will not vary from opinions of probable cost prepared by him. If prior to the Bidding or Negotiating Phase CLIENT wishes greater assurance as to Construction Cost for This Part of the Project he shall employ an independent cost estimator as provided in paragraph 2.1.3.

SECTION 7 - GENERAL CONSIDERATIONS

7.1. Termination.

7.1.1. The obligation to provide further services under this Agreement may be terminated by either party upon seven days written notice.

7.2. Reuse of Documents.

7.2.1. All documents including Drawings and Specifications prepared by LANDSCAPE ARCHITECT pursuant to this Agreement are instruments of service in respect of the Project. They are not intended or represented to be suitable for reuse by CLIENT or others on extensions of the Project or on any other project. Any reuse, without written verification or adaptation by LANDSCAPE ARCHITECT for the specific purpose intended, will be at CLIENT's sole risk and without liability or legal exposure to LANDSCAPE ARCHITECT; and CLIENT shall indemnify and hold harmless LANDSCAPE ARCHITECT from all claims, damages, losses, and expenses (including attorney's fees) arising out of or resulting therefrom. Any such verification or adaptation will entitle LANDSCAPE ARCHITECT to further compensation at rates to be agreed upon by CLIENT and LANDSCAPE ARCHITECT.

7.3. Records.

7.3.1. Records of LANDSCAPE ARCHITECT's Direct Labor Costs, Payroll Costs, and Reimbursable Expenses (pertaining to This Part of the Project) will be kept on a generally recognized accounting basis and made available to CLIENT on request.

7.3.2. LANDSCAPE ARCHITECT shall maintain all design calculations on file in legible form. A copy of these shall be available to CLIENT at LANDSCAPE ARCHITECT's expense; and the originals shall not be disposed of by LANDSCAPE ARCHITECT until after sixty days prior written notice to CLIENT or 60 months after project completion without notice.

7.3.3. LANDSCAPE ARCHITECT's records and design calculations will be available for examination and audit as required in writing by CLIENT.

7.4. Insurance.

7.4.1. CLIENT and LANDSCAPE ARCHITECT shall each procure and maintain insurance (other than life insurance) for protection from claims under worker's compensation acts, claims for damages because of bodily injury (including personal injury), sickness or disease or death of any and all employees or of any person other than such employees, and from claims or damages because of injury to or destruction of property including loss of use resulting therefrom.

7.4.2. Also CLIENT and LANDSCAPE ARCHITECT shall each procure and maintain professional liability insurance for protection from claims arising out of performance of professional services caused by any negligent error, omission, or act for which the insured is legally liable. Such professional liability insurance will provide for coverage in such amounts, with such deductible provisions, and for such periods of time as appropriate for the size of the project; and certificates indicating that such insurance is in effect will be exchanged by them.

7.4.3. CLIENT will also cause other professional consultants retained by CLIENT for the Project to procure and maintain comparable professional liability insurance coverage.

7.4.4. CLIENT agrees to limit the LANDSCAPE ARCHITECT's liability to the CLIENT and to all construction contractors and subcontractors on the project, due to the LANDSCAPE ARCHITECT's negligent acts, errors or omissions, or any claim of any nature whatsoever arising out of or relating to the performance of professional services under this agreement, such that the total aggregate liability of the LANDSCAPE ARCHITECT to all those named shall not exceed \$50,000 or the LANDSCAPE ARCHITECT's total fee for services rendered on this project, whichever is less.

7.5. Controlling Law.

7.5.1. This Agreement is to be governed by the law of the State of Missouri.

7.6. Successors and Assigns.

7.6.1. CLIENT and LANDSCAPE ARCHITECT each binds himself and his partners, successors, executors, administrators, assigns and legal representatives to the other party to this Agreement and to the partners, successors, executors, administrators, assigns and legal representatives of such other party, in respect to all covenants, agreements and obligations of this Agreement.

7.6.2. Neither CLIENT nor LANDSCAPE ARCHITECT shall assign, sublet, nor transfer any rights under or interest in (including, but without limitation, moneys that may become due or moneys that are due) this Agreement without the written consent of the other, except as stated in paragraph 7.4.1. and except to the extent that the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement. Nothing contained in this paragraph shall prevent LANDSCAPE ARCHITECT from employing such independent consultants, associates, and subcontractors as he may deem appropriate to assist him in the performance of services hereunder.

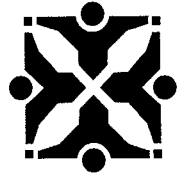
7.6.3. Nothing herein shall be construed to give any rights or benefits hereunder to anyone other than CLIENT and LANDSCAPE ARCHITECT.

Proposed and Accepted by:

Carisa McMullen, RLA
Principal

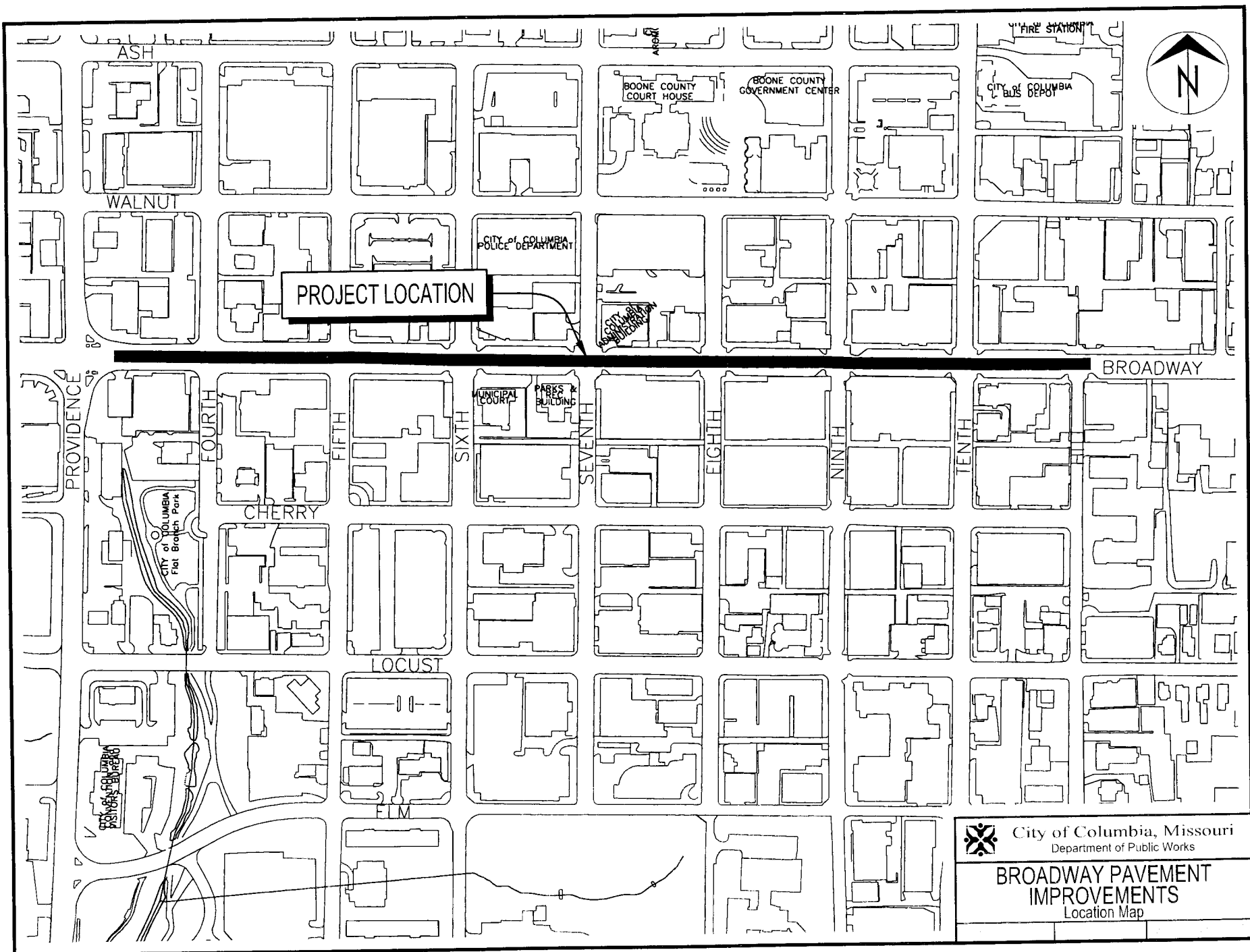
David Bennett, PE

Date



SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

Maps



City of Columbia, Missouri
Department of Public Works

BROADWAY PAVEMENT IMPROVEMENTS Location Map