Schneider
The Schneider Corporation
1330 Win Hentschel Boulevard, Suite 100 West Lafayette, IN 47906-4156 Phone: 765.448.6661 Fax: 765.448.6665

AUTHORIZATION FOR SUPPLEMENTAL SERVICES

Project No.: 5954.002
Project Name: Cumberland Avenue Reconstruction Phase I
Application No. #002

Name: Dave Buck
Company: City of West Lafayette
Address: 609 West Navajo, West Lafayette, IN 47906
Date: November 24, 2009 ***(revised December 10, 2009)***
Fax: (765) 775-5249
From: Brandon M. Fulk, P.E.

We have been requested to provide the following services for the above referenced project. The services listed below are not included in our basic scope of services, and are not included in our base fee. These services will be billed as "Supplemental Services" as per this proposal. We will proceed with the work upon receipt of a signed copy of this authorization.

City of West Lafayette *hereby agrees to pay* ***THE SCHNEIDER CORPORATION*** *for the above-stated professional services within thirty (30) days of the date of the invoice, in addition to 1½ % per month (18% per year) on any balance unpaid after thirty (30) days and any cost of collection including, but not limited to, lien costs, court costs or attorney's fees involved in or arising out of the collection of any unpaid or past due balances.*

SERVICES TO BE PROVIDED:

Supplemental Services are an amendment or an addition to the Professional Service Agreement entered into by the West Lafayette Board of Works and The Schneider Corporation December 2, 2008. Services are as follows:

		Original	Supplement #1	Supplement #2	Total
a.	Topographic and Route Survey (Phase I)	$ 36,127.00	$ 17,200.00		$ 53,327.00
b.	Topographic and Route Survey (Phase II)	TBD			
c.	Geotechnical and Environmental Evaluation (Phase I)	$ 4,515.00			
d.	Geotechnical and Environmental Evaluation (Phase II)	TBD			
e.	Roadway and Roundabout Engineering (Phase I)	$144,518.00	$ 18,144.00		$162,662.00
f.	Roadway and Roundabout Engineering (Phase II)	TBD			
g.	Stormwater Management (Phase I)	$ 21,930.00	$ 14,570.00		$ 36,500.00
h.	Stormwater Management (Phase II)	TBD			
i.	Landscape Architecture (Phase I)	$ 5,330.00		$ 5,990.00	$ 11,320.00
j.	Landscape Architecture (Phase II)	TBD			
k.	Lighting Design (Phase I)	$ 10,000.00			
l.	Lighting Design (Phase II)	TBD			
m.	Public Involvement and Visualization (Phase I)	$ 7,040.00			
n.	Public Involvement and Visualization (Phase II)	TBD			
o.	Right of Way Engineering (Phase I)	TBD	$ 14,900.00		$ 14,900.00
p.	Right of Way Engineering (Phase II)	TBD			
q.	Right of Way Acquisition (Phase I)	TBD	$ 32,558.50		$ 32,558.50

		Original	Supplement #1	Supplement #2	Total
r.	Right of Way Acquisition (Phase II)	TBD			
s.	Bidding Process (Phase I)	$ 9,250.00		$ 4,500.00	$ 13,750.00
t.	Bidding Process (Phase II)	TBD			
u.	Meetings	T&M			
v.	Reimbursables	$ 2,000.00 (allowance)		$ 2,000.00 (allowance)	$ 4,000.00 (allowance)
w.	Construction Inspection (Phase I)			$254,800.00(T&M)	

		Fee
i.	**Landscape Architecture:** Monument sign design and plan production for the Purdue Research Park entry signs. Irrigation design to provide irrigation source for various locations of interest relative to landscape plantings. Electrical redesign to support the monument signs and irrigation system design. (TSC Phase #20600 and 20701)	$5,990.00
s.	**Bid Package II:** The creation of a landscape independent bid package as well as the repackage of the roadway bid documents. Services provided in accordance with Section XX of the Professional Service Agreement entered into by the West Lafayette Board of Works and The Schneider Corporation December 2, 2008. (TSC Phase #21201 and 21202)	$4,500.00
v.	**Reimbursables II:** Bid document reproduction in addition to the services outlined by Section XXIII of the Professional Service Agreement entered into by the West Lafayette Board of Works and The Schneider Corporation December 2, 2008. (TSC Phase #95701)	$2,000.00 (allowance)
w.	**Construction Inspection:** (Additional Service to the Professional Service Agreement entered into by the West Lafayette Board of Works and The Schneider Corporation Decemeber 2, 2008.) The following is a list of expected duties to be performed by the engineer or in some cases, as noted, the contractor with input from the engineer: 1. Perform site visit with Contract Documents to become familiar, field verify existing conditions, and note possible problem areas, utility conflicts etc. 2. Review Contract Documents and make a list of required submittals. 3. Review required testing requirements and schedule requirements. 4. Attend Pre-Construction Conference and confirm delivery required schedules, bonds, insurances, etc., as required by the Contract Documents. Discuss utility conflicts, designated contacts, safety and emergency procedures, traffic control issues and closures, submittals for payment schedules, list of sub-contractors, and schedule regular project update meetings and general coordination. 5. Ensure Erosion Control Devices are placed and adjusted to properly function with the existing field conditions prior to construction. 6. Review the Traffic Control layout with the Contractor(s) and make certain that it ensures the safety of the traveling public as well as personnel in the work zone. 7. Review and verify compliance for materials, and testing submittals from the contractor(s). 8. Act as the Owner(s) representative and point-of-contact on site and advise the Owner(s) of the project's progress and/or any required modifications to the existing Contract Documents in a timely manner. 9. Monitor Contractor(s) work and progress of the project to assure that the Contract requirements are met. a. Document installation of sanitary sewer and water main and	$254,800.00 (Time & Material)

required testing for each system.
b. Spot check vertical and horizontal alignments as required for correct alignment of roadway.
c. Monitor removals, excavation, borrow placement and compaction of sub-grade to ensure compliance and verify quantities.
d. Monitor sub-grade treatment limits and materials for depth and application.
e. Monitor base course placement and compaction prior to roadway of curb placement and verify quantities used.
f. Review staking and stringline for compliance prior to curb and pavement placement.
g. Coordinate with Contractor and make field correction to ensure proper drainage and function of storm drain and ditches.
h. Review Erosions Control Devices on a regular basis to assure correct function and direct the Contractor(s) to maintain, repair or replace malfunctioning devices.
i. Make note of any bad weather conditions that may delay work.
j. Monitor Traffic Control devices for compliance and direct the Contractor(s) to maintain devices as required by the MUTCD or as specified in the Contract Documents.

10. Review Contractor(s) Requests for Payment and verify quantities prior to submission to the Owner(s) with a recommendation for payment.
11. Perform spot checks on Contractor's testing and verify compliance with requirements of the Contract Documents. Perform independent checks as need is determined and time allows.
12. Review any Contract Change Orders and submit to Owner(s) with recommendation for approval or not.
13. Maintain construction record documents including, submittals, daily diaries of work performed, weekly reports, correspondence files, submittal records, meeting minutes, testing data, photo log, weather conditions and any notable dates or events that may affect the substantial or final completion dates.
14. Perform inspection and generate a Punch List of items that will need to be corrected or completed prior to final inspection.
15. Review and recommend approval of interim completion dates as allowed by the Contract Documents.
16. Review and verify final measurements and "As Built" information for compliance and completion.
17. Receive and verify "As Built" from the Contractor and submit Tentative Final and Final Requests for Payment upon final acceptance of the work by agreement with Contractor, Engineer and the Owner(s).

(TSC Phase #21000, 71400, 73200,73300 and 73400)

Accepted by the City of West Lafayette Board of Public Works and Safety

By: _____
John R. Dennis, Mayor

By: _____
Brad W. Marley, Member

By: _____
Sana G. Booker, Member

By: _____
Judith C. Rhodes, Clerk - Treasurer

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SUPPLEMENTAL SERVICES AGREEMENT #002 EXHIBIT
CONSTRUCTION ENGINEERING FEE BREAKDOWN

1. Assumptions
   The development of the construction inspection fee breakdown for Cumberland Avenue Reconstruction Phase I is based on analyzing the project in 4 construction segments based on detour and maintenance of traffic purposes:
   a. Segment 1 (December 2009 – March 2010)
      i. Mobilization.
      ii. Utility relocation.
      iii. Pond construction.
      iv. Miscellaneous construction that does not result in road closures.
   b. Segment 2 (March 2010 – June 2010)
      i. Eastbound and westbound closure from US 52 to the Salem Apartment crossover.
      ii. Storm infrastructure, roundabout and roadway construction.
   c. Segment 3 (June 2010 – August 2010)
      i. Eastbound lane closure from Salem Apartment crossover to Yeager Road.
      ii. Storm infrastructure and roadway construction.
   d. Segment 4 (August 2010 – October 2010)
      i. Westbound lane closure from Salem Apartment crossover to Yeager Road.
      ii. Storm infrastructure and roadway construction.

   It should be noted that this information is based on historical information and our intimate knowledge of the project prior to the selection of the contractor who will ultimately be responsible for the means & methods and schedule relative to the construction process. The information provided herein relative to the manhour justification is an estimate.

2. Itemized Manhour Justification
   The course of the project will utilize a variety of Schneider Corporation's employees to meet the need of the construction engineering scope of work as provided on the attached supplemental services agreement. The following employee's, total hours anticipate on the job and their rates are as follows:

Resource	**Hours**	**Rate ($/hr)**	**Fee**	Seg. 1 approx. hrs (3 months)	Seg. 2 approx. hrs (4 months)	Seg. 3 approx. hrs (2 months)	Seg. 4 approx. hrs (2 months)
Administrative Assistant	32	$56	$1,792	16	12	2	2
Survey Field Crew	42	$75	$3,150	12	10	10	10
Geotechnical Tech II	1648	$75	$123,600	80	720	424	424
Engineering Tech	16	$82	$1,312	0	0	0	16
Engineering Designer	69	$88	$6,072	41	14	7	7
Project Engineer	45	$110	$4,950	23	14	4	4
Project Manager	299	$114	$34,086	65	150	42	42
Senior Project Manager	570	$133	$75,810	43	203	162	162
Contingency for Testing			$4,028				
Total	2721		$254,800				