



AUTHORIZATION FOR SUPPLEMENTAL SERVICES

Project No.: 5954.003
Project Name: Cumberland Avenue Reconstruction Ph. I & Ph. II
Application No. #006

Name: Dave Buck
Company: City of West Lafayette
Address: 609 West Navajo, West Lafayette, IN 47906
Date: December 4, 2011
Fax: (765) 775-5249
From: Shawn H Strange, 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. This Authorization For Supplemental Services is subject to all the terms and conditions of the original Agreement between the parties dated 12/2/08. Services are as follows:							
Item:		Original	SSA #1	SSA #2	SSA #3	SSA #4	SSA #5	SSA #6	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			\$26,100.00	\$12,235.00		\$1,640	\$39,975.00
c.	Geotechnical and Environmental Evaluation (Phase I)	\$4,515.00							\$4,515.00



		Original	SSA #1	SSA #2	SSA #3	SSA #4	SSA #5	SSA #6	Total
d.	Geotechnical and Environmental Evaluation (Phase II)	TBD				\$5,445.00	\$2,400.00		\$7,845
e.	Roadway and Roundabout Engineering (Phase I)	\$144,518.00	\$18,144.00						\$162,662
f.	Roadway and Roundabout Engineering (Phase II)	TBD				\$180,900.00			\$180,900
g.	Stormwater Management (Phase I)	\$21,930.00	\$14,570.00						\$36,500
h.	Stormwater Management (Phase II)	TBD				\$17,600.00			\$17,600
i.	Landscape Architecture (Phase I)	\$5,330.00		\$5,990.00					\$11,320
j.	Landscape Architecture (Phase II)	TBD				\$14,080.00			\$14,080
k.	Lighting Design (Phase I)	\$10,000.00							\$10,000
l.	Lighting Design (Phase II)	TBD				\$10,605.00			\$10,605
m.	Public Involvement and Visualization (Phase I)	\$7,040.00							\$7,040
n.	Public Involvement and Visualization (Phase II)	TBD				\$9,120.00			\$9,120
o.	Right of Way Engineering (Phase I)	TBD	\$14,900.00						\$14,900



The Schneider Corporation

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

		Original	SSA #1	SSA #2	SSA #3	SSA #4	SSA #5	SSA #6	Total
p.	Right of Way Engineering (Phase II)	TBD					\$18,575.00		\$18,575
q.	Right of Way Acquisition (Phase I)	TBD	\$32,558.50						\$32,558.50
r.	Right of Way Acquisition (Phase II)	TBD				\$8,225.00	\$71,200.00		\$79,425
s.	Bidding Process (Phase I)	\$9,250.00		\$4,500.00					\$13,750
t.	Bidding Process (Phase II)	TBD				\$12,540.00			\$12,540
u.	Meetings	T&M							
v.	Reimbursables	\$ 2,000.00 (allowance)		\$ 2,000.00 (allowance)		\$2,000.00 (allowance)			\$ 6,000 (allowance)
w.	Construction Inspection			\$254,800.00 (T&M)					\$254,800 (T&M)
x.	Recording Services						\$1,638 (T&M)		\$1,638 (T&M)
y.	Wall at Peppermill to Eliminate R/W						\$6,540		\$6,540
z.	Pedestrian MOT Changes						\$4,536		\$4,536
aa.	Utility Plan						\$2,568		\$2,568
bb.	Add Ditch plans to Project						\$5,840		\$5,840
cc.	Lighting Change to more efficient lighting						\$906		\$906
dd.	Design Changes for Pedestrian Path						\$3,210		\$3,210
						Subtotal		\$26,878	



	Item Description	Fee																																																													
b.	<p>Topographic and Route Survey Phase II – The original scope of work on this project included 1 field staking for marking right-of-way. Field staking has been done to show utilities the new R/W for Relocation. Also, field staking has been done on a second time due to stakes being removed or knocked down for the purposes of showing property owners their new boundary and has had random locations restaked a third time.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows :</p> <table border="1" data-bbox="168 511 1606 755"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Additional R/W Staking</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Field Work (2nd Staking , 3rd Staking for Owners)</td> <td></td> <td></td> <td></td> <td></td> <td>20</td> <td></td> <td></td> <td>\$ 1,640</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>IX. Additional RW Staking</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>20</td> <td>0</td> <td></td> <td>\$ 1,640</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Additional R/W Staking									Field Work (2 nd Staking , 3 rd Staking for Owners)					20			\$ 1,640	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			IX. Additional RW Staking	0	0	0	0	20	0		\$ 1,640	\$1,640									
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X.	<p>Recording Services – The Schneider Corporation will perform all services necessary to record the acquired R/W for the Cumberland Phase II project. This time is estimated at 1 hour per parcel acquired. The Recorder Fees are estimated at \$25 per parcel and the Auditor's Fee is estimated at \$10 per parcel. There are 18 parcels for this project.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows :</p> <table border="1" data-bbox="168 941 1606 1258"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Recording Services</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Courier R/W Docs to Auditor and Recorders Office</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>18</td> <td></td> <td>\$ 1,008</td> </tr> <tr> <td>Reimbursable Not to Exceed (Auditor's and Recorders Fees)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ 630</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>I. Recording Services Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ 1,638</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Recording Services									Courier R/W Docs to Auditor and Recorders Office						18		\$ 1,008	Reimbursable Not to Exceed (Auditor's and Recorders Fees)								\$ 630	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			I. Recording Services Total								\$ 1,638	\$1,638 T&M
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Y.	<p>Wall at Peppermill to Eliminate R/W - Given the difficulty in securing R/W and temporary R/W from the Peppermill parcel in phase I, it was decided to forego temporary R/W for lawn grading in phase 2 of construction and build a wall next to the trail. The wall is to be designed to be 2 to 3 feet tall with a handrail to protect pedestrians from the edge. The wall will be designed and drafted to be included in with the bid documents for phase 2.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows :</p> <p>Man-hour Justification:</p> <table border="1"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Wall Design (Walls 1 & 2)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Structure Design</td> <td>24</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ 3,192</td> </tr> <tr> <td>Wall Drafting and Layout</td> <td></td> <td></td> <td></td> <td>24</td> <td></td> <td></td> <td></td> <td>\$ 2,112</td> </tr> <tr> <td>QTY & Cost Estimate</td> <td>4</td> <td></td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td>\$ 1,236</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>II. Wall Plans TOTAL</td> <td>28</td> <td>0</td> <td>0</td> <td>32</td> <td>0</td> <td>0</td> <td></td> <td>\$ 6,540</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Wall Design (Walls 1 & 2)									Structure Design	24							\$ 3,192	Wall Drafting and Layout				24				\$ 2,112	QTY & Cost Estimate	4			8				\$ 1,236	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			II. Wall Plans TOTAL	28	0	0	32	0	0		\$ 6,540	\$6,540
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Z.	<p>Pedestrian MOT and MOT Changes - The maintenance of traffic plan was changed from four phases to three phases to speed up the construction of the project and reduce construction costs that would be required to build the roundabout one-half at a time. Also, to facilitate a better flow for pedestrian traffic around the construction zone, a specific pedestrian plan was created to detour pedestrian traffic around the site using walks that were continuous and handicap accessible. This design required field reconnaissance and drafting detail to convey plan intent.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows :</p> <p>Man-hour Justification:</p> <table border="1"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Pedestrian MOT & MOT Changes</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Drafting Layout and Design</td> <td></td> <td>8</td> <td></td> <td>24</td> <td></td> <td></td> <td></td> <td>\$ 3,024</td> </tr> <tr> <td>Friendship House Construction Additions</td> <td></td> <td>2</td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td>\$ 932</td> </tr> <tr> <td>QTY & Cost Estimate</td> <td></td> <td>2</td> <td></td> <td>4</td> <td></td> <td></td> <td></td> <td>\$ 580</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>III. Ped. MOT Total</td> <td>0</td> <td>12</td> <td>0</td> <td>36</td> <td>0</td> <td>0</td> <td></td> <td>\$ 4,536</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Pedestrian MOT & MOT Changes									Drafting Layout and Design		8		24				\$ 3,024	Friendship House Construction Additions		2		8				\$ 932	QTY & Cost Estimate		2		4				\$ 580	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			III. Ped. MOT Total	0	12	0	36	0	0		\$ 4,536	\$4,536
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aa	<p>Utility Plan - To facilitate the bidding and planning for what a bidding contractor would need to do to plan for utility relocation; utility plan sheets were created showing all utilities as well as potential conflicts and relocations that have already been done. This item was added to the scope of work to facilitate utility relocation prior to the project starting in March.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows :</p> <p>Man-hour Justification:</p> <table border="1"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Utility Plan</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Drafting Layout and Design</td> <td></td> <td>4</td> <td></td> <td>24</td> <td></td> <td></td> <td></td> <td>\$ 2,568</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>IV. Utility Plan Total</td> <td>0</td> <td>4</td> <td>0</td> <td>24</td> <td>0</td> <td>0</td> <td></td> <td>\$ 2,568</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Utility Plan									Drafting Layout and Design		4		24				\$ 2,568	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			IV. Utility Plan Total	0	4	0	24	0	0		\$ 2,568	\$2,568																		
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bb	<p>Add Ditch plans to Project - Over the course of the project, the old design done by Schneider in 2005 to fix the drainage problems for this outlet ditch were incorporated into the bid plans for this project as an added scope item. The design was brought up to date and hydraulically checked and revised to meet the drainage needs of the three pipes outletting to this location. A ditch plan and profile was added as well as cross sections and typical ditch section to the plans. The pay items were quantified and added to the bid document as an alternate bid item.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows :</p> <p>Man-hour Justification:</p> <table border="1"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Add Ditch Plans to Project</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plan & Profile Design and Revisions</td> <td></td> <td>2</td> <td></td> <td>24</td> <td></td> <td></td> <td></td> <td>\$ 2,340</td> </tr> <tr> <td>Cross Sections</td> <td></td> <td>2</td> <td></td> <td>24</td> <td></td> <td></td> <td></td> <td>\$ 2,340</td> </tr> <tr> <td>QTY & Cost Estimate</td> <td></td> <td>4</td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td>\$ 1,160</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>V. Ditch Plans Total</td> <td>0</td> <td>8</td> <td>0</td> <td>56</td> <td>0</td> <td>0</td> <td></td> <td>\$ 5,840</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Add Ditch Plans to Project									Plan & Profile Design and Revisions		2		24				\$ 2,340	Cross Sections		2		24				\$ 2,340	QTY & Cost Estimate		4		8				\$ 1,160	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			V. Ditch Plans Total	0	8	0	56	0	0		\$ 5,840	\$5,840
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cc	<p>Lighting Change to More Efficient Lighting: Over the course of the design of the project, a more efficient lighting system became available for lighting design. The city agreed to change the design of the lighting plan for a small change in scope to the more efficient lighting design.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows:</p> <p>Man-hour Justification:</p> <table border="1" data-bbox="168 430 1575 808"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Lighting Design Change</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plan Revisions</td> <td></td> <td>1</td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td>\$ 818</td> </tr> <tr> <td>Qty & Cost Estimate</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>\$ 88</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>VI. Lighting Design Change Total</td> <td>0</td> <td>1</td> <td>0</td> <td>9</td> <td>0</td> <td>0</td> <td></td> <td>\$ 906</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Lighting Design Change									Plan Revisions		1		8				\$ 818	Qty & Cost Estimate				1				\$ 88	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			VI. Lighting Design Change Total	0	1	0	9	0	0		\$ 906	\$906																											
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dd	<p>Various Out of Scope Design Changes for Pedestrian Path: Over the course of designing the roundabouts, design changes were made to facilitate blind pedestrians. Modeling was required to determine where it was possible to move the trail or to narrow it. The cross sections and quantities were then revised for bidding.</p> <p><u>Itemized Man-hour Justification</u> The following employee's total hours worked on this task and their rates are as follows:</p> <p>Man-hour Justification:</p> <table border="1" data-bbox="168 1023 1575 1461"> <thead> <tr> <th rowspan="2">Task</th> <th colspan="7">Proposal Hours</th> <th rowspan="2">TASK \$</th> </tr> <tr> <th>Structural Engineer</th> <th>Project Manager</th> <th>Project Engineer</th> <th>Designer</th> <th>Surveyor</th> <th>Admin</th> <th></th> </tr> </thead> <tbody> <tr> <td>Additional Design Changes</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Add Railing</td> <td></td> <td>1</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 554</td> </tr> <tr> <td>Remove Railing and Revise Sidewalk Location / Check Model</td> <td></td> <td>1</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 994</td> </tr> <tr> <td>Revise Typical</td> <td></td> <td>1</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 554</td> </tr> <tr> <td>Revise Cross Sections</td> <td></td> <td>1</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 554</td> </tr> <tr> <td>Qty & Cost Estimate</td> <td></td> <td>1</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 554</td> </tr> <tr> <td>Billable Hourly Rates</td> <td>\$133</td> <td>\$114</td> <td>\$110</td> <td>\$88</td> <td>\$82</td> <td>\$56</td> <td></td> <td></td> </tr> <tr> <td>VII. Total Design Changes</td> <td>0</td> <td>5</td> <td>20</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>\$ 3,210</td> </tr> </tbody> </table>	Task	Proposal Hours							TASK \$	Structural Engineer	Project Manager	Project Engineer	Designer	Surveyor	Admin		Additional Design Changes									Add Railing		1	4					\$ 554	Remove Railing and Revise Sidewalk Location / Check Model		1	8					\$ 994	Revise Typical		1	4					\$ 554	Revise Cross Sections		1	4					\$ 554	Qty & Cost Estimate		1	4					\$ 554	Billable Hourly Rates	\$133	\$114	\$110	\$88	\$82	\$56			VII. Total Design Changes	0	5	20	0	0	0		\$ 3,210	\$3,210
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Accepted by the City of West Lafayette Board of Works

By:

John R. Dennis, Mayor Date

By:

Judith C. Rhodes, Clerk of the Board Date

By:

Sana G. Booker, Member Date

By:

Bradley W. Marley, Member Date

By:

Jonathan C. Speaker, Member Date

By:

Elizabeth M. Stull, Member Date