



**CITY OF PLANO  
COUNCIL AGENDA ITEM**

<b>CITY SECRETARY'S USE ONLY</b>				
<input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory				
Council Meeting Date:		4/22/13		
Department:		Engineering		
Department Head:		Gerald P. Cosgrove, P.E.		
Agenda Coordinator (include phone #):			<b>Kathleen Schonne (7198)</b>	
			<b>Project No. 5992</b>	
<b>CAPTION</b>				
Approval of the purchase of material testing services for the Spring Creek Parkway Corridor project, in the amount of \$101,978 from GME Consulting Services, Inc. through an existing contract (No. 2012-339-D) authorizing the City Manager or his designee to execute all necessary documents.				
<b>FINANCIAL SUMMARY</b>				
<input type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input checked="" type="checkbox"/> CIP				
FISCAL YEAR: <b>2012-13</b>	<b>Prior Year (CIP Only)</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Budget	250,597	5,095,403	0	<b>5,346,000</b>
Encumbered/Expended Amount	-250,597	-4,976,541	0	<b>-5,227,138</b>
This Item	0	-101,978	0	<b>-101,978</b>
BALANCE	0	16,884	0	<b>16,884</b>
<b>FUND(S):    STREET IMPROVEMENT CIP</b>				
<b>COMMENTS:</b> Funds are included in the FY 2012-13 Street Improvement CIP. This item, in the amount of \$101,978, will leave a current year balance of \$16,884 for the Spring Creek Parkway Corridor project. <b>STRATEGIC PLAN GOAL:</b> Testing of construction materials relate to the City's Goal of Financially Strong City with Service Excellence.				
<b>SUMMARY OF ITEM</b>				
Staff recommends approval of this expenditure for construction material testing on the Spring Creek Parkway Corridor project in the amount of \$101,977.70 to GME Consulting Services, Inc.				
List of Supporting Documents:			Other Departments, Boards, Commissions or Agencies	
Exhibit C			N/A	



<b>Task 2. Traffic Signal Foundations and Street Light Base Installation</b>					
Given: 6 traffic signal and street light base pours					
Assumptions: 6 trips @ 5 hrs/trip; 4 cyls/pour					
1. Senior Engineering Technician		hr	\$ 40.00	30	\$ 1,200.00
2. Concrete Cylinder Tests		ea	\$ 14.00	24	\$ 336.00
3. Trip Charge		ea	\$ 50.00	12	\$ 600.00
<b>Subtotal Task 2</b>					<b>\$ 2,136.00</b>
<b>Task 3. Concrete Testing</b>					
Given: 13,600 cy 8" street pavement; avg 400 cy/day					
1,333 cy of 6" driveway concrete; avg 150 cy/day					
38 cy of 6" parking; 1 pour					
667 cy of sidewalk; avg 100 cy/day					
50 to 60 misc. pours (inlets, curbs, median noses, etc.)					
Assumptions: Street pours avg 300 cy/pour @ 7 hrs/pour					
Driveway pours avg 100 cy/pour @ 5 hrs/pour					
Sidewalk pours avg 75 cy/pour @ 6 hrs/pour					
Miscellaneous pours avg 35 cy/pour @ 4 hrs					
<b>A. Mix Design Review</b>					
Assumptions: 4 mix design reviews					
1. Senior Engineer		hr	\$ 150.00	10	\$ 1,500.00
<b>B. 8" Street Pavement Pours</b>					
Given: 30 pours; 49,502 SY (11,055 CY); Avg 368 CY/pour					
Assumptions: 30 pours @ 7 hrs/ea; 4 sets of 4 cyls/pour					
1. Senior Engineering Technician		hr	\$ 40.00	210	\$ 8,400.00
2. Concrete Cylinder Tests		ea	\$ 14.00	480	\$ 6,720.00
<b>C. Driveway Pours</b>					
Given: 5,144 SY (857 CY); 15 pours; 57 CY/pour					
Assumptions: 15 pours @ 5 hrs/pour; 1 set of 4 cyls/pour					
1. Senior Engineering Technician		hr	\$ 40.00	75	\$ 3,000.00
2. Concrete Cylinder Tests		ea	\$ 14.00	60	\$ 840.00
<b>D. Sidewalk Pours</b>					
Given: 2,400 SY ( 264 cy) sidewalk; 7 pours; Avg 37 CY/pour					
Assumptions: 5 hours/pour; 1 set of 4 cyls/pour					
1. Senior Engineering Technician		hr	\$ 40.00	35	\$ 1,400.00
2. Concrete Cylinder Tests		ea	\$ 14.00	28	\$ 392.00
<b>E. Median Nose, Curb Ramp and Curb and Gutter Pours Pours</b>					
Given: 4 median nose pours; 10 curb ramp pours; 4 curb and gutter pours					
Assumptions: 18 pours @ 4hrs/pour ; 1 set of 4 cyls/pour					
1. Senior Engineering Technician		hr	\$ 40.00	72	\$ 2,880.00
2. Concrete Cylinder Tests		ea	\$ 14.00	72	\$ 1,008.00
<b>F. Curb Inlets, Manholes and Headwall Pours</b>					
Given: 40 to 50 inlet pours; 10 to 12 manhole pours;					
4 to 6 headwall pours					
Assumptions: 66 pours @ 3hrs/pour ; 1 set of 4 cyls/pour					
1. Senior Engineering Technician		hr	\$ 40.00	198	\$ 7,920.00
2. Concrete Cylinder Tests		ea	\$ 14.00	264	\$ 3,696.00

<b>G. Cylinder Pickup</b>						
Given: 120 pours						
Assumptions: 100 trips for cylinder pickup (some will occur on the same day of a pour or other activity)						
2 hrs/trip						
1. Senior Engineering Technician				hr	\$ 40.00	\$ 8,000.00
<b>G. Trip Charges for Concrete</b>						
1. Trip Charge				ea	\$ 50.00	\$ 11,000.00
					<b>Subtotal Task 3</b>	<b>\$ 56,756.00</b>
<b>Task 4. Temporary Asphalt Paving Compaction Monitoring</b>						
Given: 2,074 tons; 15 days installation						
Assumptions: 15 trips @ 5 hrs/trip for compaction monitoring						
1. Senior Engineering Technician				hr	\$ 40.00	\$ 3,000.00
2. Nuclear Gauge Rental				day	\$ 70.00	\$ 1,050.00
					<b>Subtotal Task 4</b>	<b>\$ 4,050.00</b>
<b>Task 5. Project Management</b>						
Given: 1 hour per month for 18 months						
Assumptions: None						
1. Senior Engineer				hr	\$ 150.00	\$ 2,700.00
					<b>Subtotal Task 5</b>	<b>\$ 2,700.00</b>
<b>Grand Total Tasks 1-5</b>					<b>Grand Total</b>	<b>\$ 92,707.00</b>
Note: GME recommends adding a 10% contingency for Overtime fees on the project.						
					<b>Grand Total with 10% OT Contingency</b>	<b>\$101,977.70</b>