



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. PWCM08-007**

1. Agenda Item Number:

33

2. Council Meeting Date:
May 8, 2008

TO: MAYOR & COUNCIL

3. Date Prepared: April 7, 2008

THROUGH: CITY MANAGER

4. Requesting Department: Public Works

5. SUBJECT: Award a project agreement to Consultant Engineering, Inc. for construction management services for the Dobson/Warner Intersection Improvement project, Project No. ST0401-451, in an amount not to exceed \$550,000, and approve an increase to the annual contract EN0602-101 with Consultant Engineering, Inc. from \$1,500,000 to \$2,050,000.

6. RECOMMENDATION: Staff recommends that Council award a project agreement to Consultant Engineering, Inc. for construction management services for the Dobson/Warner Intersection Improvement project, Project No. ST0401-451, in an amount not to exceed \$550,000, and approve an increase to the annual contract EN0602-101 with Consultant Engineering, Inc. from \$1,500,000 to \$2,050,000.

7. BACKGROUND/DISCUSSION: The Dobson/Warner Intersection Improvement project is partially funded with federal money received through grants monitored by the Arizona Department of Transportation. As in the past, the City's construction management staff oversees the administration and inspection of these projects. Due to federal requirements, staff must supplement with outside support. Consultant Engineering, Inc. has experience administering federal projects and has provided excellent service on recent projects. This particular project is important in the fact that it is the first project that will be administered under the Chandler Certification Acceptance Plan approved by the Federal Highway Administration and the Arizona Department of Transportation.

Constructoin will be starting in early May scheduled for substantial completion in mid to late November. Construction cost, \$7,512,784, is comprobale to recent similar work.

8. EVALUATION: The proposed cost for construction management of this project has been compared to the cost of a recent similar project and staff has found it to be comparable.

9. FINANCIAL IMPLICATIONS:

Cost: \$550,000
Savings: \$ N/A
Long Term Costs: \$ N/A
Fund Source:

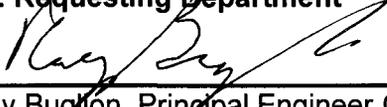
<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
411.3310.0000.6517.7ST313	GO Bonds	Dobson/Warner Ints.	06/07	\$550,000

10. PROPOSED MOTION: Move that Council award a project agreement to Consultant Engineering, Inc. for construction management services for the Dobson/Warner Intersection Improvement project, Project No. ST0401-451, in an amount not to exceed \$550,000, and approve an increase to the annual contract EN0602-101 with Consultant Engineering, Inc. from \$1,500,000 to \$2,050,000.

ATTACHMENTS: Location map, project agreement

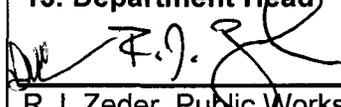
APPROVALS

11. Requesting Department



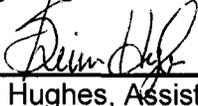
Ray Buglion, Principal Engineer CIP Construction Management

13. Department Head



R.J. Zeder, Public Works Director

12. City Engineer



Sheina Hughes, Assistant Public Works Director/City Engineer

14. City Manager



W. Mark Pentz

**EXHIBIT A
FEE SCHEDULE**

<u>Classification</u>	Regular Hours	Overtime Hours	Regular Hourly Rate	O.T. Hourly Rate	Total Labor Costs
Project Principle/Manager	78	0	\$149.85	\$149.85	\$11,688.30
Resident Engineer	798	0	\$137.97	\$137.97	\$110,100.16
Office Manager	798	0	\$108.81	\$163.22	\$86,830.38
Tech V	1590	159	\$108.81	\$163.22	\$198,959.88
Tech IV	672	0	\$85.13	\$129.20	\$57,879.36
Total Man Hours	3936	159			\$466,458.08
 Total Labor Costs (rounded)					\$466,458.08
Direct Expenses					
Direct Expenses- Field Office					\$44,450.00
Total Direct Expenses					\$44,450.00
 Expenses for Subconsultant Services					
Laboratory Testing (QT), Mat. Coordinator and field testing backup. (proposal attached)			\$40,000.00		
(Assumes certified city tester to supplement field testing services)					
Total Sub-consultant Services					\$40,000.00
 Subtotal					\$449,908.08
Contract Time:		8 months const. + 3 month plant establishment & close-out			
Contingency (For contractor schedule exceeding 8 months)					\$00,000.00
Total Not-to-Exceed Costs					\$550,000.00

MAN HOURS

Assumptions:

Schedule: March 2008 – January 2009, 6 months const., 3 months Landscape establishment.

Hours: ½ Time Resident Engineer, Full-time Inspector, Tech V and ½ time Tech IV & Office Manager. City of Chandler to provide Senior RE and an Inspector. (Proposed hours include ¼ time only hours for 3-months of landscape establishment oversight and project close-out).

Overtime: 10% for inspector - tech V only

Resident Engineer

Assume:	Regular Time	8 months	X	84 hr/month	672	
	Plant Est./Close-out	3 months	X	42 hr/month	126	
	Total Reg. Hours					798

Tech. V - Chief Inspector

Assume:	Regular Time	6 months	X	168 hr/month	1344	
	Plant Est./Close-out	3 months	X	60 hr/month	180	
	Total Reg. Hours					1590
Tech V – Computer support	Regular time	11 months	X	6 hr/month	66	
	Total O.T. Hours	0.10	X	1590 Hrs	159	159

Tech IV - Inspector

Assume	Regular Time	8 months	X	84 hr/month	672	
	Plant Est./Close-out	3 months	X	0 hr/month	0	
	Total Reg. Hours					672

Office Manager

Assume:	Regular Time	8 months	X	84 hr/month	672	
	Plant Est./Close-out	3 months	X	42 hr/month	126	
	Total Reg. Hours					798

Project Principal / PM

Assume:	Regular time	11 months	X	6 Hr/month	66	
	Meetings				12	
	Total Reg. Hours					78

DIRECT COSTS

RE OFFICE & DIRECT EXPENSE							
RE Office computers	10	month	2	Computers	@	\$100.00	/month = \$2,000.00
Phones – Office & Mobile	10	month			@	\$320.00	/month = \$3,200.00
Office Supplies	10	month			@	\$100.00	/month = \$1,000.00
Desks & Furniture	10	month			@	\$100.00	/month = \$1,000.00
Trailer Mob & De-mob.	1.0	EA			@	\$2,000.00	/EA = \$2,000.00
Trailer off. rent	10	month			@	\$550.00	/month = \$5,500.00
Power connection	1.0	EA			@	\$5,000.00	/EA = \$5,000.00
Monthly Power connection equipment rent charges	10	month			@	\$400.00	/month = \$4,000.00
Holding tank installation & weekly service	10	month			@	\$250.00	/month = \$2,500.00
Utilities & Janitor service	10	month			@	\$300.00	/month = \$3,000.00
Copier	10	month			@	\$350.00	/month = \$3,500.00
Internet	10	month			@	\$75.00	/month = \$750.00
Fax / Printer	10	month			@	\$100.00	/month = \$1,000.00
Trucks	10	month			@	\$1,000.00	/month = \$10,000.00
TOTAL OFFICE DIRECT EXPENSE							\$44,450.00