



**PURCHASING ITEM  
FOR  
COUNCIL AGENDA  
Memo No. CA09-037**

**1. Agenda Item Number:**  
**23**  
**2. Council Meeting Date:**  
September 11, 2008

**TO: MAYOR & COUNCIL**  
**THROUGH: CITY MANAGER**

**3. Date Prepared:** July 21, 2008  
**4. Requesting Department:** Municipal Utilities

**5. SUBJECT:** Award a project agreement to SDB, Inc. for the Ocotillo Water Reclamation Facility Mechanical Upgrades, Project No. WW0901-401, in an amount not to exceed \$535,100.00 under Job Order Contract JOC07-04.

**6. RECOMMENDATION:** Staff recommends that Council award a project agreement to SDB, Inc. for the Ocotillo Water Reclamation Facility Mechanical Upgrades, Project No. WW0901-401, in an amount not to exceed \$535,100.00 under Job Order Contract JOC07-04.

**7. BACKGROUND/DISCUSSION:** The Ocotillo Water Reclamation Facility (OWRF) is owned by the City of Chandler but privately operated by Severn Trent Environmental Services. The OWRF was constructed in 1985, with much of the equipment in the facility nearing the end of its projected life and potentially in need of rehabilitation or replacement. In September 2005, Brown and Caldwell performed an asset management evaluation to identify the condition of the equipment and infrastructure and to formulate a capital maintenance and replacement plan. The objective of this evaluation was to identify necessary activities to maintain the reliability and sustainability of the reclamation facility assets in order to continuously achieve the expected treatment performance.

The results from the evaluation identified the blower and diffuser assemblies as two key mechanical assets in need of replacement and upgrades. The work under this project agreement will include replacing an existing blower with new blower assemblies; upgrading related blower assembly components; installing additional diffusers in Basins 1A and 2A; and replacing the existing membrane discs in Basins 1A and 2A.

Construction is slated to begin in fall 2008 with a construction duration of approximately six months.

**8. EVALUATION:** On January 31, 2008 Council approved a one-year extension to SDB, Inc., Job Order Contract JOC07-04, for general construction services in an amount not to exceed \$5,000,000. The costs proposed for this project have been reviewed by City Staff and compared to historical prices for similar City projects and determined that they are acceptable.

**9. FINANCIAL IMPLICATIONS:**

Cost:	\$535,100
Savings:	N/A
Long Term Costs:	N/A

Fund Source:

Acct. No.:	Fund Name:	Program Name:	CIP Funded:	Amount:
611.3910.0000.6814.8WW621	Wastewater Bond Fund	Ocotillo Water Reclamation Facility Rehabilitation	FY 07/08	\$535,100

**10. PROPOSED MOTION:** Move that Council award a project agreement to SDB, Inc. for the Ocotillo Water Reclamation Facility Mechanical Upgrades, Project No. WW0901-401, in an amount not to exceed \$535,100.00 under Job Order Contract JOC07-04.

**ATTACHMENTS:** Location Map, Project Agreement

**APPROVALS**

**11. Requesting Department**  
*[Signature]*  
Robert Mulvey, Assistant Municipal Utilities Director

**13. Department Head**  
*[Signature]*  
Dave Siegel, Municipal Utilities Director

**12. City Engineer**  
*[Signature]*  
Sheina Hughes, Assistant Public Works Director/City Engineer

**14. City Manager**  
*[Signature]*  
W. Mark Pentz



# OCOTILLO WATER RECLAMATION FACILITY MECHANICAL UPGRADES PROJECT NO. WW0901-401



MEMO NO. CA09-037

 PROJECT AREA





**EXHIBIT A  
SCOPE OF WORK**

JOC shall provide all labor and materials for the Ocotillo Water Reclamation Facility (OWRF) Mechanical Upgrades including replacing the existing blower with a new Turblex KA5SV-GL210 blower; upgrading related blower components; installing additional diffusers in Basins 1A and 2A; replacing the existing membrane discs in Basins 1A and 2A; and the removal and reinstallation of electrical service for blower replacement.

EXHIBIT B

FEE SCHEDULE

CSI	Description			Cost	
01	Division 1 - General Requirements			\$ 10,400.00	
22	Division 22 - Plumbing			\$ 345,000.00	
23	Division 23 - HVAC			\$ 76,950.00	
25	Division 25 - Integrated Automation			\$ 10,000.00	
26	Division 26 - Electrical			\$ 15,000.00	
			<b>Sub Total</b>	<b>\$ 457,350.00</b>	
			<b>Coefficient</b>	<b>17.0%</b>	
			<b>Total</b>	<b>\$ 535,100.00</b>	
<b>DIVISION BREAKDOWN</b>					
QUAN	CSI	Description	Unit	\$ per Unit	Total
<b>Division 1 - General Requirements</b>					
80.0	01-3105	Project Manager	EA	\$ 70.00	\$ 5,600.00
80.0	01-3120	Superintendent	EA	\$ 55.00	\$ 4,400.00
1.0	01-7415	Dumpster	EA	\$ 400.00	\$ 400.00
		<b>Total - Division 1 - General Requirements</b>			<b>\$ 10,400.00</b>
<b>Division 22 - Plumbing</b>					
1.0	22-1505	Turblex KA5SV-GL210 blower	AL	\$ 300,000.00	\$ 300,000.00
1.0	22-1505	Remove existing and install new blower	AL	\$ 45,000.00	\$ 45,000.00
		<b>Total - Division 22 - Plumbing</b>			<b>\$ 345,000.00</b>
<b>Division 23 - HVAC</b>					
900.0	23-3705	Sanitaire diffusers for basins	EA	\$ 42.00	\$ 37,800.00
1080.0	23-3705	Replace existing membrane discs	EA	\$ 5.00	\$ 5,400.00
1.0	23-3705	Install new diffusers and replace existing membrane discs	LS	\$ 33,750.00	\$ 33,750.00
		<b>Total - Division 23 - HVAC</b>			<b>\$ 76,950.00</b>
<b>Division 25 - Integrated Automation</b>					
1.0	25-5005	Controls work	AL	\$ 10,000.00	\$ 10,000.00
		<b>Total - Division 25 - Integrated Automation</b>			<b>\$ 10,000.00</b>
<b>Division 26 - Electrical</b>					
1.0	26-0501	Remove and reinstall electrical service for blower replacement	AL	\$ 15,000.00	\$ 15,000.00
		<b>Total - Division 26 - Electrical</b>			<b>\$ 15,000.00</b>