# RECEIVED



### Memorandum

## 2010 SEP 17 PM 3: 42

CITY SECRETARY

DALLAS. TEXAS

DATE September 17, 2010

Trinity River Corridor Project Committee Members: Steve Salazar (Vice-Chair), Mayor Pro Tem Dwaine Caraway, Deputy Mayor Pro Tem Pauline Medrano, Carolyn R. Davis, Vonciel Jones Hill, Delia Jasso, Linda Koop, Ann Margolin

#### SUBJECT Trinity River Corridor Project Council Committee Agenda – Revised

Please plan to attend a meeting of the Trinity River Corridor Project Committee on Tuesday, September 21, 2010 from 10:30 A.M. to 11:30 A.M. The meeting will be held at City Hall, 1500 Marilla, 6/E/S, Dallas, TX 75201.

The meeting has been delayed by one hour in order for members of the Trinity River Corridor Project Committee, along with the Mayor and other members of the Dallas City Council, to attend the Pavaho Pump Station Groundbreaking Event which begins at 9:45 A.M. The construction site is located near the 600 block of Canada Drive which is between Sylvan Avenue and Coronet Boulevard. The Council vans will depart City Hall from L1-Green at 9:30 A.M. to transport you to the event site. We will return to City Hall at approximately 10:20 A.M.

- 1. Approval of minutes for August 17, 2010 Trinity River Corridor Project Committee meeting
- Periodic Inspection Report No. 9 Maintenance Deficiency Correction Period (MDCP) August 2010 Update (Memo for discussion)
  Presenter: Elizabeth Fernandez, P.E., Trinity Watershed Management
- 3. Sylvan Avenue Bridge Public Meeting (Memo for Information Only)

#### 4. Upcoming Items for Council Agenda (9/22/10)

- a) Authorize Supplemental Agreement No. 1 to the professional services contract with Arun Wagh, Inc., Geotechnical & Environmental Consultants, for independent external peer review services for the 100-Year Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge for the Trinity River Corridor Project Not to exceed \$90,952, from \$114,400 to \$205,352 Financing: 2003 Bond Funds (\$33,952) and 2006 Bond Funds (\$57,000)
- b) Authorize Supplemental Agreement No. 1 to the professional services contract with David T. Williams and Associates, Engineers, LLC for independent external peer review services for the Dallas Floodway Project including the 100-Year Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge for the Trinity River Corridor Project - Not to exceed \$67,852, from \$226,900 to \$294,752 -Financing: 2003 Bond Funds (\$35,852) and 2006 Bond Funds (\$32,000)
- c) Authorize Supplemental Agreement No. 1 to the professional services contract with George Sills Geotechnical Engineering Consultant, LLC for independent external peer review services for the Dallas Floodway Project including the 100-Year Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge for the Trinity River Corridor Project - Not to exceed \$91,072, from \$201,353 to \$292,425 - Financing: 2003 Bond Funds (\$34,072) and 2006 Bond Funds (\$57,000)

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#### 5. Upcoming Events

 a) Texas Discovery Gardens' Trinity Watershed Exhibit during the State Fair of Texas, 3601 Martin Luther King Jr. Blvd. Dallas, Texas 75210, September 24, 2010 through October 17, 2010 from 10:00 A.M. to 5:00 P.M

David A. Neumann

David A. Neumann, Chairman Trinity River Corridor Project Committee

DALLAS

#### Attachment

 c: Honorable Mayor and Members of the City Council Mary K. Suhm, City Manager Ryan S. Evans, First Assistant City Manager Jill A. Jordan, P.E., Assistant City Manager A. C. Gonzalez, Assistant City Manager Forest E. Turner, Assistant City Manager Deborah A. Watkins, City Secretary Frank Librio, Director, Public Information Office Kelly High, Director, Trinity Watershed Management Rebecca Rasor, P.E., Managing Director, Trinity River Corridor Project Paul D. Dyer, Director, Park and Recreation Department Theresa O'Donnell, Director, Sustainable Development & Construction





# Watch Our Progress

The City of Dallas' Trinity River Corridor Project cordially invites you to attend the Pavaho Pump Station Groundbreaking

Help us mark the beginning of this High capacity Interior Drainage Project that will reduce neighborhood flooding in West Dallas.

Tuesday, September 21, 2010 9:45 a.m. – 10:30 a.m. 600 Block of Canada Drive, Dallas, TX 75212 (Between Sylvan Avenue and Coronet Boulevard)

Carpooling is strongly recommended due to limited Parking. To RSVP or for more details, please call Jodi Faulkner at 214-671-9500.





THE TRINITY DALLAS

www.trinityrivercorridor.org



# **Observe nuestro progreso!**

El Proyecto del Corredor del Río Trinity de la Ciudad de Dallas le invita cordialmente a asistir al inicio de construcción de La Estación de Bombeo Pavaho. (Pavaho Pump Station)

Ayúdenos a marcar el inicio de este proyecto de desagüe de alta capacidad que reducirá las inundaciones en West Dallas.

Martes 21 de septiembre 2010 9:45 a.m. – 10:30 a.m. Cuadra 600 de la calle Canadá, Dallas, TX 75212 (entre Sylvan Ave. y Coronet Blvd.)

Es recomendado que los participantes comparten vehículos ya que el estacionamiento es limitado. Para reservaciones y mas detalles, llame a Jodi Faulkner al 214-671-9500.





THE TRINITY DALLAS

Proyecto del Corredor del Río Trinity de la Ciudad de Dallas

www.trinityrivercorridor.org



# Trinity River Corridor Project Committee Meeting Record

The Trinity River Corridor Project Committee Meetings (TRCPC) are recorded. Agenda materials and audiotapes may be reviewed/copied by contacting the Trinity River Corridor Project Committee Coordinator at 214-671-9500.

#### Meeting Date: 8/17/10

**Convened:** 9:43 A.M.

Adjourned: 10:55 A.M.

#### Committee Members Present:

**Committee Members Absent:** 

Mayor Pro Tem Dwaine Caraway

David Neumann, Chairman Steve Salazar, Vice Chairman Deputy Mayor Pro Tem Pauline Medrano Carolyn R. Davis Vonciel Jones Hill Delia Jasso Linda Koop

#### City Staff Present:

Jill Jordan, ACM Kelly High, TWM Rebecca Rasor, TWM Elizabeth Fernandez, TWM David Whitley, Dallas CityDesign Studio Brent Brown, Dallas CityDesign Studio Willis Winters, PKR Michael Hellman, PKR

Other City Councilmembers Present: Ann Margolin

## AGENDA:

1. Approval of minutes for August 3, 2010 Trinity River Corridor Project Committee Meeting Presenter: David A. Neumann, Chairman

Action Taken/Comm	nittee Recom	mendation(s	):

Motion made by:	Linda Koop	Motion seconded by:	Vonciel Jones Hill
Item passed unanimously:	X	Item passed on a divided vote:	
Item failed unanimously:		Item failed on a divided vote:	

#### 2. MLK Boulevard Gateway

Presenter: David Whitley & Brent Brown, Dallas CityDesign Studio

Action Taken/Committee Recommendation(s): Information Only

Motion made by:	 Motion seconded by:	
Item passed unanimously:	Item passed on a divided vote:	
Item failed unanimously:	 Item failed on a divided vote:	

Page 2 TRCP Committee Meeting Record August 17, 2010

#### 3. Elm Fork Athletic Complex

Presenter: Willis Winters, Park and Recreation

#### Action Taken/Committee Recommendation(s): Information Only

Motion made by:	Motion seconded by:	
Item passed unanimously:	 Item passed on a divided vote:	
Item failed unanimously:	Item failed on a divided vote:	

# 4. Periodic Inspection Report No. 9 – Maintenance Deficiency Correction Period (MDCP) July 2010 Update (Memo for discussion)

Presenter: Elizabeth Fernandez, Trinity Watershed Management

Action Taken/Committee Recommendation(s): Information Only

Motion made by:	Motion seconded by:
Item passed unanimously:	Item passed on a divided vote:
Item failed unanimously:	Item failed on a divided vote:

#### 5. Upcoming Item for Council Agenda and Addendum (8/25/10)

a) Authorize settlement in lieu of proceeding with condemnation of an improved tract of land containing approximately 7,000 square feet from Desoto Real Estate Resource located near the intersection of Colonial Avenue and Starks Avenue for the Trinity Parkway - Not to exceed \$23,000 (\$21,000, plus closing costs not to exceed \$2,000) - Financing: 1998 Bond Funds

#### 6. Upcoming Event

a) Reception for the Trinity River Photo Exhibit, "Bringing the Trinity to Life", will be held at the African American Museum, Fair Park, 3536 Grand Avenue, Dallas, TX 75210 on August 26, 2010 from 6:00PM to 8:00PM.

#### APPROVED BY:

#### ATTEST:

David A. Neumann, Chairman Trinity River Corridor Project Committee Crystal Lee, Senior Office Assistant Trinity River Corridor Project Committee

### Memorandum



#### DATE September 16, 2010

 Trinity River Corridor Project Committee Members: David A. Neumann (Chairman)
Steve Salazar (Vice-Chair)
Mayor Pro Tem Dwaine Caraway
Deputy Mayor Pro Tem Pauline Medrano
Carolyn R. Davis

#### SUBJECT Periodic Inspection Report No. 9 Maintenance Deficiency Correction Period (MDCP) August 2010 Update

As of August 31, 2010, the City has completed **181** of the 198 items in the MDCP plan which is the action plan staff submitted to the US Corps of Engineers (Corps) to address the O&M deficiencies in the levee system as described in the Periodic Inspection Report No. 9 (PI #9). Attached are the items remaining to be completed.

In addition, the Tree Removal contract was awarded for construction by City Council on September 8, 2010. The pre-construction meeting was held on September 17, 2010. Construction is estimated to start in October 2010. If you have additional questions, please let me know.

Jill A. Jordan, P.E. Assistant City Manager

THE TRINITY DALLAS

c:

Honorable Mayor and Members of the City Council Mary K. Suhm, City Manager Ryan S. Evans, First Assistant City Manager A. C. Gonzalez, Assistant City Manager Forest E. Turner, Assistant City Manager Jeanne Chipperfield, Chief Financial Officer Deborah A. Watkins, City Secretary Thomas P. Perkins, Jr., City Attorney Craig D. Kinton, City Auditor Judge C. Victor Lander Helena Stevens-Thompson, Assistant to the City Manager Frank Librio, Director, Public Information Office Kelly High, Director, Trinity Watershed Management Rebecca Rasor, P.E., Managing Director, Trinity River Corridor Project

# Maintenance Deficiency Correction Period Report August 2010

ID No.	Rated Item	Overall Rating	Levee/ Structure	Template Section	Remark Rating	Location/ Remarks/ Recommendations	Correction Plan	Est. Date to Be Addressed
130	Encroachments	U	West Levee	Embankment	U	Sta. 253+70 had gas line crossing levee (not streamlined).	Encroachments should be streamlined in accordance with SWFP 1150-2-1,	Oct-10
140	Encroachments	U	WWTP	Embankment	U	2 control valves (south corner area	There are multiple encroachments in the levee at the CWWTP. The Corps indicated in their PI No. 9 explanation that they are unauthorized & there is no documentation of District Engineer review or authorization. These city utility encroachments pre-date the levees themselves which were reconstructed by the City in the early 1990's & were incorporated into the fedreal Dallas Floodway System in 1996. Because the encroachments were part of the original design plans and the levees were constructed before they became part of the federal system, there were not any permits or District Engineer review during the design/construction phase. Based on the Corps Sept. 30, 2009 comments, that these encroachments should be treated as other unacceptable encroachment and should be remedied accordingly, the City will obtain the necessary approvals for these encroachments	
192	Encroachments	U	WWTP	Embankment	U	Other lines under levee: 84" emergency outfall (120" dia. & 48" dia.), 66" dia. plant outfall (emergency use), 10'x10' main double box culvert outlet, 84" dia. waste water gravity main line, 60"dia. waste water gravity line, abandoned outfall and numerous other utilities under levee to be identified	There are multiple encroachments in the levee at the CWWTP. The Corps indicated in their PI No. 9 explanation that they are unauthorized & there is no documentation of District Engineer review or authorization. These city utility encroachments pre-date	Oct-10
002	Unwanted Vegetation Growth	U	System	Embankment	Obs	A survey of areas where trees were within 50 feet of levee toes needs to be conducted in the future. (Trees at Sta. 473+90, 524+25)	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study and Tree contract
054	Encroachments	U	East Levee	Interior Drainage	Obs	Trees growing around levee toe sumps.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study

# Maintenance Deficiency Correction Period Report August 2010

ID No.	Rated Item	Overall	Levee/	Template	Remark	Location/ Remarks/	Correction Plan	Est. Date to
		Rating	Structure	Section	Rating	Recommendations		Be Addressed
227	Unwanted Vegetation Growth	U	East Levee	Embankment	U	Sta. 147+70 - had tree growing on the river side levee toe.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study and Tree contract
228	Unwanted Vegetation Growth	U	East Levee	Embankment	U	Sta. 473+90, 524+25, & I-30 - Trees within 50 feet of levee toes.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study and Tree contract
205	Unwanted Vegetation Growth	U	Rochester	E <b>m</b> bankmen <b>t</b>	U	Large trees within 50 feet of landside levee toe.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study and Tree contract
123	Unwanted Vegetation Growth	U	West Levee	Embankment	U	Sta. 350+00, 371+50, 376+50, and near HWY 30 had trees within 50 feet of levee toes.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study and Tree contract
088	Erosion/ Bank Caving	М	East Levee	Flood Damage Reduction Channel	М	Sta. 161+00 had right side of river bank failing into the channel in the flood plain.	Source of erosion is under investigation and bank will be repaired using established corps. procedures.	Routine Maint.
233	Riprap Revetments & Banks	U	East Levee	Flood Damage Reduction Channel	U	Erosion of the bank toward the levee at Belleview Pressure Conduit.	Design is underway to install a riprap blanket and reinforced toe wall to protect the bank and the toe of the levee agains scour events up to & including the 100- year flood	Nov-10
080	Shoaling (sediment deposition)	U	East Levee	Flood Damage Reduction Channel	U	Shoaling with established vegetation was causing the diversion of the channel into the levee at Belleview Pressure Conduit.	Design is underway to install a riprap blanket and reinforced toe wall to protect the bank and the toe of the levee agains scour events up to & including the 100- year flood	Nov-10
081	Encroachments	М	East Levee	Flood Damage Reduction Channel	М	East Levee Sta. 157+50 & West Levee Sta. 141+80 had construction equipment in the flood plain.	Construction equipment for MHH Bridge.	Dec-10

# Maintenance Deficiency Correction Period Report August 2010

ID No.	Rated Item	Overall Rating	Levee/ Structure	Template Section	Remark Rating	Location/ Remarks/ Recommendations	Correction Plan	Est. Date to Be Addressed
1	Culverts/Discharg e Pipes		System		U	Condition of pipes, culverts or conduits has not been verified by television camera video taping or visual inspection within the past 5 years, and reports were not available for review. All pipes, culverts or conduits should be adequately inspected (as previously described) by CoD and results should be provided to SWF.	The City regularly performs video inspections of all the conduits within the city using CCTV. However, to satisfy this PI item, the City has prepared an inspection schedule for determining the condition of the city's culvert and discharge pipes within the Floodway System. The city will provide the information found in these inspections in a report form to Corps as the inspections are completed. The City will keep a log of the inspections completed to date. The City has provided this strategy to the Corps and approval from the Corps is pending,	Sep-10
009	Encroachments	U	East Levee	Embankment	М	Sta. 286+80 have fiber optic line crossing over levee (not streamlined).	Items 009 and 011 refer to the same fiber optic line encroachment. Both encroachments should be streamlined in accordance with SWFP 1150-2-1, Section 5.	Oct-10
010	Encroachments	U	East Levee	Embankment	М	Sta. 364+60 have fiber optic line crossing over levee (not streamlined).	Encroachments should be streamlined in accordance with SWFP 1150-2-1,	Oct-10
011	Encroachments	U	East Levee	Embankment	М	Sta. 286+95 had fiber optic line crossing over levee.	Items 009 and 011 refer to the same fiber optic line encroachment. Both encroachments should be streamlined in accordance with SWFP 1150-2-1, Section 5.	Oct-10

### Memorandum



DATE September 16, 2010

 Trinity River Corridor Project Committee Members: David A. Neumann (Chairman)
Steve Salazar (Vice-Chair)
Mayor Pro Tem Dwaine Caraway
Deputy Mayor Pro Tem Pauline Medrano
Carolyn R. Davis

#### SUBJECT Sylvan Avenue Bridge Public Meeting

A meeting has been scheduled for Thursday, October 7, 2010, from 6:00 p.m. -8:00 p.m., to bring information to the public about the proposed Sylvan Avenue Bridge replacement project. The meeting will be held at the West Dallas Municipal Center, 2828 Fish Trap Rd., Dallas, TX 75212.

The meeting will be an open house format, which means there will not be a formal presentation or public speaking opportunities, and will include exhibits of the new bridge and information about schedule and detours during construction. The consultant team of HNTB will be in attendance to answer any questions, along with Texas Department of Transportation and City staff. The attached flyer will also be provided to the public at the meeting.

Following consultation between TxDOT ENV and the Federal Highway Administration (FHWA), it was determined another public meeting would be necessary to inform the public and receive comments on the decision by the City of Dallas to close Sylvan Avenue and thus access to Trammell Crow Park and the boat ramp for the estimated one year construction duration. The decision to close Sylvan Avenue was made after the previous public meeting held in November 2007.

The current estimated schedule for implementation is:

Complete design and construction drawings Final approval of environmental document TxDOT Construction Letting Start Construction Complete construction October 2010 March 2011 May 2011 August 2011 December 2012 Page 2 Sylvan Avenue Bridge Public Meeting September 16, 2010

Please contact me if you have questions.

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Jill A. Jordan, P.E. Assistant City Manager

THE TRINITY

Attachment

Cc: Honorable Mayor and Members of the City Council Mary K. Suhm, City Manager Ryan S. Evans, First Assistant City Manager A.C. Gonzalez, Assistant City Manager Forest E. Turner, Assistant City Manager Jeanne Chipperfield, Chief Financial Officer Deborah A. Watkins, City Secretary Thomas P. Perkins, Jr., City Attorney Craig D. Kinton, City Auditor Judge C. Victor Lander Helena Stevens-Thompson, Assistant to the City Manager Frank Librio, Director, Public Information Office Kelly High, Director, Trinity Watershed Management Rebecca Rasor, P.E., Managing Director, Trinity River Corridor Project



Sylvan Avenue Bridge

# **Frequently Asked Questions**

# What is the purpose of the proposed improvements to the Sylvan Avenue bridge?

The purpose of the proposed improvements is to replace the existing bridge with an elevated structure that is designed to provide flood control and safety for the area, especially during heavy rain falls. This improvement will also provide better north-south traffic flow and the connection crossing at the Trinity River Greenbelt.

#### What is this project located?

The project is located within the City of Dallas in Dallas County and extends approximately one mile in length from Irving Boulevard to Morris Street.

#### How much will it cost to replace the existing bridge structure?

The current estimate of construction cost, in 2010 dollars is approximately \$38 million. Federal, Regional Toll Revenue (RTR), City of Dallas and State funding will pay for the construction.

#### When is construction expected to begin?

Construction of the Sylvan Avenue bridge is currently expected to begin in August 2011.

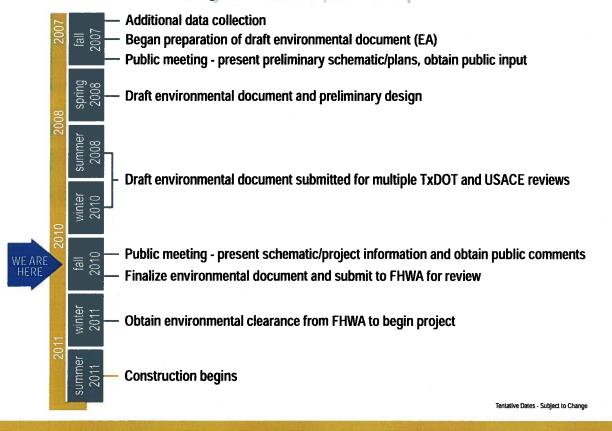
#### What can I expect during construction?

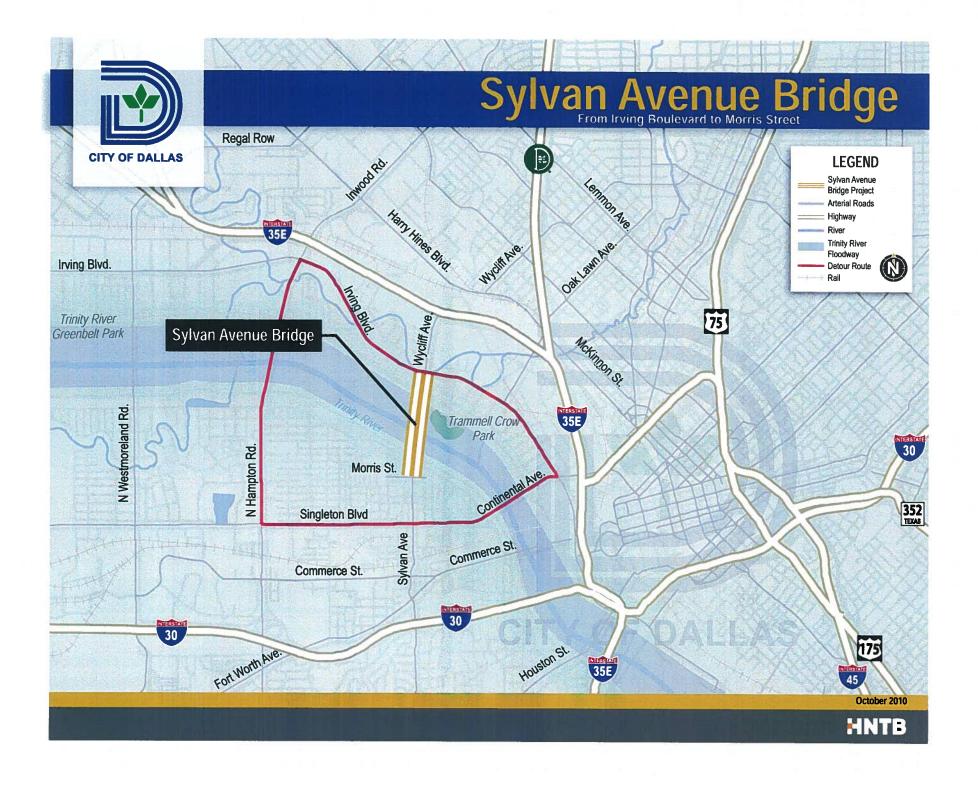
The existing bridge would be closed to traffic for approximately one year from the time construction begins, requiring alternate routes to be established. Access to Trammel Crow Park and all park amenities, including the soccer fields and boat ramp, would also be inaccessible during construction. A detour map is located on the back of this flyer.

#### Whom can I contact for updated information on the project?

For additional information concerning proposed improvements to the Sylvan Avenue bridge, please contact Yogesh Patel at (214) 670-7019 or yogesh.patel@dallascityhall.com.

### Project Timeline (2007-2011)





KEY FOCUS AREA:	Economic Vibrancy
AGENDA DATE:	September 22, 2010
COUNCIL DISTRICT(S):	All
DEPARTMENT:	Trinity Watershed Management
CMO:	Jill A. Jordan, P.E., 670-5299
MAPSCO:	N/A

#### **SUBJECT**

Authorize Supplemental Agreement No. 1 to the professional services contract with Arun Wagh, Inc., Geotechnical & Environmental Consultants, for independent external peer review services for the 100-Year Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge for the Trinity River Corridor Project - Not to exceed \$90,952, from \$114,400 to \$205,352 - Financing: 2003 Bond Funds (\$33,952) and 2006 Bond Funds (\$57,000)

#### BACKGROUND

The City of Dallas, in accordance with the Water Resources Development Act of 2007, Section 2034 and 2035, is required to perform an independent external peer review of projects during design and construction of large federally authorized flood control projects, such as the Dallas Floodway Project. The U.S. Army Corps of Engineers (USACE) has determined that the design and construction of the 100-Year Levee Improvements, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge require an independent external peer review.

The independent external peer review will be a team with expertise in hydraulics and hydrology, geotechnical, civil and construction management disciplines. Each team member has submitted the appropriate qualifications and submitted the conflict disclosure forms in accordance with National Academy of Sciences' policy for committee selection with respect to evaluating the potential for conflicts. In addition, team members have been approved by the USACE.

This team will review scientific and technical matters. The team will review the designs at 35% and 95% submittals and submit a report to the City of Dallas in accordance with USACE guidance. Each team member has participated in previous independent external peer reviews. This team also has experience with projects of similar size and similar time constraints.

#### BACKGROUND (Continued)

Arun Wagh will serve as the construction expert and ensure compatibility of the designs and associated construction for the 100-Year Levee Improvements, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge. He has extensive experience in subsurface investigations, soil mechanics, seepage and slope stability evaluations, erosion protection design, and construction and earthwork construction.

The Water Resources Development Act (WRDA) of 2007 provided authorization for the Dallas Floodway Project which includes the Balanced Vision Plan and Interior Drainage Plan for the East and West Levees. The 100-Year Levee Improvement are anticipated to be included as phase 1 of the Balanced Vision Plan. The Pavaho Pump Station and Baker Pump Station are part of the Interior Drainage Plan. The Sylvan Avenue Bridge is included in the transportation components of the Dallas Floodway Project. This independent external peer review contract will serve as a portion of the City of Dallas' in-kind credit towards the construction of the Dallas Floodway Project. This contract is being fully coordinated with the U. S. Army Corps of Engineers with respect to their ongoing development of the Dallas Floodway Environmental Impact Statement (EIS) and future construction activities.

Supplemental Agreement No. 1 will increase the existing scope of services to address the additional technical analysis and information required to review the 100 Year-Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and the Sylvan Avenue Bridge engineering and construction projects.

#### ESTIMATED SCHEDULE OF PROJECTS

Began Independent External Peer Review Complete Independent External Peer Review July 2010 February 2013

#### PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

The Trinity River Corridor Project Committee was briefed (by memo) on June 22, 2010.

The Trinity River Corridor Project Committee is scheduled to be briefed (by memo) on September 21, 2010.

#### **FISCAL INFORMATION**

2003 Bond Funds - \$33,952 2006 Bond Funds - \$57,000

#### **ETHNIC COMPOSITION**

Hispanic Female	0	Hispanic Male	0
African-American Female	0	African-American Male	0
Other Female	0	Other Male	1
White Female	0	White Male	0

#### <u>OWNER</u>

#### Arun Wagh, Inc., Geotechnical & Environmental Consultants

Arun Wagh, P.E.

KEY FOCUS AREA:	Economic Vibrancy
AGENDA DATE:	September 22, 2010
COUNCIL DISTRICT(S):	All
DEPARTMENT:	Trinity Watershed Management
CMO:	Jill A. Jordan, P.E., 670-5299
MAPSCO:	N/A

#### **SUBJECT**

Authorize Supplemental Agreement No. 1 to the professional services contract with David T. Williams and Associates, Engineers, LLC for independent external peer review services for the Dallas Floodway Project including the 100-Year Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge for the Trinity River Corridor Project - Not to exceed \$67,852, from \$226,900 to \$294,752 - Financing: 2003 Bond Funds (\$35,852) and 2006 Bond Funds (\$32,000)

#### BACKGROUND

The City of Dallas, in accordance with the Water Resources Development Act of 2007, Section 2034 and 2035, is required to perform an independent external peer review of projects during design and construction of large federally authorized flood control projects, such as the Dallas Floodway Project. The U.S. Army Corps of Engineers (USACE) has determined that the design and construction of the 100-Year Levee Improvements, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge require an independent external peer review.

The independent external peer review will be a team with expertise in hydraulics and hydrology, geotechnical, civil and construction management disciplines. Each team member has submitted the appropriate qualifications and submitted the conflict disclosure forms in accordance with National Academy of Sciences' policy for committee selection with respect to evaluating the potential for conflicts. In addition, team members have been approved by the USACE.

#### **BACKGROUND (Continued)**

This team will review scientific and technical matters. The team will review the designs at 35% and 95% submittals and submit a report to the City of Dallas in accordance with USACE guidance. Each team member has participated in previous independent external peer reviews. This team also has experience with projects of similar size and similar time constraints. The City of Dallas, in accordance with the Water Resources Development Act of 2007, Section 2034 and 2035, is required to perform an independent external peer review of projects under design through construction if the City intends on seeking in-kind credit or reimbursement upon completion of the construction activities. The U. S. Army Corps of Engineers (USACE) has determined that the design and construction of the 100-Year Levee Improvements, Pavaho Pump Station, and Baker Pump Station require an independent external peer review.

David T. Williams will serve as the Team Lead and the hydraulics and hydrology expert. In addition to ensuring compatibility of the designs for the 100-Year Levee Improvements, Pavaho Pump Station, Baker Pump Station and Sylvan Avenue Bridge, he will perform administrative functions and serve as the primary contact for recommendations from the Independent External Peer Review Team. He has extensive experience serving as the lead role as well as performing hydrologic analysis and design of hydraulic structures.

The Water Resources Development Act (WRDA) of 2007 provided authorization for the Dallas Floodway Project which includes the Balanced Vision Plan and Interior Drainage Plan for the East and West Levees. The 100-Year Levee Improvements are anticipated to be included as Phase 1 of the Balanced Vision Plan. The Pavaho Pump Station and Baker Pump Station are part of the Interior Drainage Plan. The Sylvan Avenue Bridge is included in the transportation components of the Dallas Floodway Project. This independent external peer review contract will serve as a portion of the City of Dallas' in-kind credit towards the construction of the Dallas Floodway Project. This contract is being fully coordinated with the U. S. Army Corps of Engineers with respect to their ongoing development of the Dallas Floodway Environmental Impact Statement (EIS) and future construction activities.

Supplemental Agreement No. 1 will increase the existing scope of services to address the additional technical analysis and information required to review the 100 Year-Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and the Sylvan Avenue Bridge engineering and construction projects.

#### **ESTIMATED SCHEDULE OF PROJECTS**

Began Independent External Peer ReviewJuly 2010Complete Independent External Peer ReviewFebruary 2013

#### PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

The Trinity River Corridor Project Committee was briefed (by memo) on June 22, 2010.

The Trinity River Corridor Project Committee is scheduled to be briefed (by memo) on September 21, 2010.

#### **FISCAL INFORMATION**

2003 Bond Funds - \$35,852 2006 Bond Funds - \$32,000

#### **ETHNIC COMPOSITION**

Hispanic Female	0	Hispanic Male	0
African-American Female	0	African-American Male	0
Other Female	0	Other Male	1
White Female	0	White Male	0

#### **OWNER**

#### David T. Williams and Associates, Engineers, LLC

David T. Williams, Owner

KEY FOCUS AREA:	Economic Vibrancy
AGENDA DATE:	September 22, 2010
COUNCIL DISTRICT(S):	All
DEPARTMENT:	Trinity Watershed Management
CMO:	Jill A. Jordan, P.E., 670-5299
MAPSCO:	N/A

#### **SUBJECT**

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#### **BACKGROUND (Continued)**

George Sills will serve as the geotechnical expert and ensure compatibility of the designs for the 100-Year Levee Improvements, Pavaho Pump Station, Baker Pump Station, and Sylvan Avenue Bridge. He has extensive experience in subsurface investigations, soil mechanics, seepage and slope stability evaluations, erosion protection design, and construction and earthwork construction.

The Water Resources Development Act (WRDA) of 2007 provided authorization for the Dallas Floodway Project which includes the Balanced Vision Plan and Interior Drainage Plan for the East and West Levees. The 100-Year Levee Improvements are anticipated to be included as phase 1 of the Balanced Vision Plan. The Pavaho Pump Station and Baker Pump Station are part of the Interior Drainage Plan. The Sylvan Avenue Bridge is included in the transportation components of the Dallas Floodway Project. This independent external peer review contract will serve as a portion of the City of Dallas' in-kind credit towards the construction of the Dallas Floodway Project. This contract is being fully coordinated with the U. S. Army Corps of Engineers with respect to their ongoing development of the Dallas Floodway Environmental Impact Statement (EIS) and future construction activities.

Supplemental Agreement No. 1 will increase the existing scope of services to address the additional technical analysis and information required to review the 100 Year-Levee Improvement Project, Pavaho Pump Station, Baker Pump Station and the Sylvan Avenue Bridge engineering and construction projects.

#### ESTIMATED SCHEDULE OF PROJECTS

Began Independent External Peer Review	July 2010
Complete Independent External Peer Review	February 2013

#### PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

The Trinity River Corridor Project Committee was briefed (by memo) on June 22, 2010.

Trinity River Corridor Project Committee is scheduled to be briefed (by memo) on September 21, 2010.

#### **FISCAL INFORMATION**

2003 Bond Funds - \$34,072 2006 Bond Funds - \$57,000

#### <u>OWNER</u>

### George Sills Geotechnical Engineering Consultant, LLC

George Sills, Owner