

Memorandum

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CITY SECRETARY
DALLAS, TEXAS



CITY OF DALLAS

DATE 22 August 2014

TO Transportation and Trinity River Project Committee Members: Lee Kleinman (Vice Chair), Deputy Mayor Pro Tem Monica Alonzo, Mayor Pro Tem Tennell Atkins, Sandy Greyson, and Sheffie Kadane

SUBJECT Transportation and Trinity River Project Committee Meeting Agenda

Monday, 25 August 2014, at 1:00 p.m. until 2:30 p.m.

Dallas City Hall – 6ES, 1500 Marilla Street, Dallas, TX 75201

The agenda for the meeting is as follows:

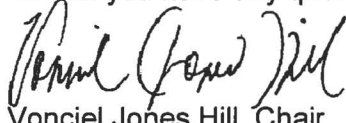
1. Approval of the 11 August 2014 Minutes [Estimated 3 Minutes] Vonciel Jones Hill, Chair
2. Dallas Floodway Update [Estimated 30 Minutes] Rob Newman, Director, Trinity River Project U.S. Army Corp of Engineers
3. Cotton Belt Corridor [Estimated 30 Minutes] Keith Manoy, Assistant Director, Public Works
4. Upcoming Potential Council Agenda Item(s) [Estimated 5 Minutes]
 - Authorize a professional services contract with Jacobs Engineering Group, Inc., for construction management services during construction of the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$2,951,871 – Financing: General Obligation Commercial Paper Funds
 - Able No. 3 Stormwater Pump Station
 - Authorize a construction contract with BAR Constructors, Inc., lowest responsible bidder of seven, for construction of the Levee Drainage System - Sump A, also referred to as the Able Pump Station - Not to exceed \$68,275,000 - Financing: General Obligation Commercial Paper Funds (\$68,192,000) and Water Utilities Capital Improvement Funds (\$83,000)
 - Authorize a professional services contract with Kleinfelder Central, Inc. to provide construction material testing during construction of the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station - Not to exceed \$378,812 - Financing: General Obligation Commercial Paper Funds
 - Authorize a Facilities Extension Agreement contract with Oncor Electric Delivery Company, LLC., to provide extension of standard delivery system facilities and an alternate feed for electrical power to the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station - Not to exceed \$1,889,415 - Financing: General Obligation Commercial Paper Funds

“A quorum of the Dallas City Council may attend this Council Committee meeting.”

- Authorize Supplemental Agreement No. 1 to a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC. for additional costs related to the relocation of an existing 138 kilovolt electric transmission tower on Oncor's East Levee-West Industrial Line for the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$116,826, from \$273,174 to \$390,000 – Financing: General Obligation Commercial Paper Funds
- Authorize Supplemental Agreement No. 4 to the professional services contract with HDR Engineering, Inc., for design support services during construction of the Levee Drainage System – Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$1,601,730, from \$9,385,772 to \$10,987,502 – Financing: General Obligation Commercial Paper Funds

5. Adjourn

Should you have any questions, please do not hesitate to contact me.



Vonciel Jones Hill, Chair
Transportation and Trinity River Project Committee

c: The Honorable Mayor and Members of the Dallas City Council

A. C. Gonzalez, City Manager	Forest E. Turner, Assistant City Manager
Warren M. S. Ernst, City Attorney	Joey Zapata, Assistant City Manager
Judge Daniel F. Solis, Administrative Judge	Charles M. Cato, (I) Assistant City Manager
Rosa A. Rios, City Secretary	Theresa O'Donnell, (I) Assistant City Manager
Craig D. Kinton, City Auditor	Jeanne Chipperfield, Chief Financial Officer
Ryan S. Evans, First Assistant City Manager	Shawn Williams, (I) Public Information Officer
Jill A. Jordan, P. E., Assistant City Manager	Elsa Cantu, Assistant to the City Manager – Mayor and Council

A closed executive session may be held if the discussion of any of the above agenda items concerns one of the following:

1. Contemplated or pending litigation, or matters where legal advice is requested of the City Attorney. Section 551.071 of the Texas Open Meetings Act.
2. The purchase, exchange lease or value of real property, if the deliberation in an open meeting would have a detrimental effect on the position of the City in negotiations with a third person. Section 551.072 of the Texas Open Meetings Act.
3. A contract for a prospective gift or donation to the City, if the deliberation in an open meeting would have a detrimental effect on the position of the City in negotiations with a third person. Section 551.073 of the Texas Open Meetings Act.
4. Personnel matters involving the appointment, employment, evaluation, reassignment, duties, discipline or dismissal of a public officer or employee or to hear a complaint against an officer or employee. Section 551.074 of the Texas Open Meetings Act.
5. The deployment, or specific occasions for implementation of security personnel or devices. Section 551.076 of the Texas Open Meetings Act.
6. Deliberations regarding economic development negotiations. Section 551.087 of the Texas Open Meetings Act

“A quorum of the Dallas City Council may attend this Council Committee meeting.”

Transportation and Trinity River Project Council Committee Meeting

Meeting Minutes

Meeting Date: 11 August 2014 **Convened:** 1:01 p.m. **Adjourned:** 2:03 p.m.

Councilmembers:	Presenter(s):
Vonciel Jones Hill, Chair	Jill A. Jordan, P.E., Assistant City Manager
Lee Kleinman, Vice Chair	
Mayor Pro Tem Tennell Atkins	
Deputy Mayor Pro Tem Monica Alonzo	
Sandy Greyson	
Sheffie Kadane	
Councilmembers Absent: None	Other Councilmembers Present:
	Jerry R. Allen
	Carolyn R. Davis
Staff Present:	Staff Present:
Keith Manoy, Assistant Director, Public Works	Liz Fernandez, Director, Trinity Watershed Mgmt.
Robert Sims, City Attorney's Office	

AGENDA:

1. **Approval of the 23 June 2014 Meeting Minutes**

Presenter(s): Vonciel Jones Hill, Chair

Action Taken/Committee Recommendation(s): Motion was made to approve the 23 June 2014 Transportation and Trinity River Project Council Committee ["TTRPC"] meeting minutes.

Motion made by: Kadane
Item passed unanimously: X
Item failed unanimously:

Motion seconded by: Atkins
Item passed on a divided vote:
Item failed on a divided vote:

2. **DART Board Interviews and Recommendations (Position Nos. 1, 2, & 3)**

Presenter(s): N/A

Action Taken/Committee Recommendation(s): A motion was made to nominate the three remaining candidates (all presently DART Board members) to fill three vacant positions. The committee recommendation will go forward to the full City Council for consideration.

Motion made by: Atkins
Item passed unanimously: X
Item failed unanimously:

Motion seconded by: Kleinman
Item passed on a divided vote:
Item failed on a divided vote:

3. **Upcoming Potential Agenda Item(s)**

- Authorize a three-year service contract for grounds, creeks and channels maintenance of floodway sumps for Trinity Watershed Management – Good Earth Corporation, lowest responsible bidder of three - Not to exceed \$1,852,155 - Financing: Stormwater Drainage Management Current Funds (subject to annual appropriations)
- Authorize moving expense and rental assistance payments for Diane Dibbles as a result of an official written offer of just compensation to purchase real property at 4815 Fellows Lane for the South Central/Joppa Gateway Project – Not to exceed \$23,317 – Financing: 2006 Bond Funds

Action Taken/Committee Recommendation(s): Motion was made to move these items forward to full City Council for consideration.

Motion made by: Kadane
Item passed unanimously: X
Item failed unanimously:

Motion seconded by: Greyson
Item passed on a divided vote:
Item failed on a divided vote:

Adjourn (2:03 p.m.)

Vonciel Jones Hill, Chair
Transportation and Trinity River Project Council Committee

Memorandum



CITY OF DALLAS

DATE 22 August 2014

TO The Honorable Members of the Transportation and Trinity River Project Committee:
Vonciel Jones Hill (Chair), Lee Kleinman (Vice Chair), Deputy Mayor Pro Tem Monica Alonzo,
Mayor Pro Tem Tennell Atkins, Sandy Greyson, and Sheffie Kadane

SUBJECT Dallas Floodway Update

On Monday, 25 August 2014, you will be briefed on the Dallas Floodway Update. The briefing materials are attached for your review.

Please feel free to contact me if you need additional information.

A handwritten signature in black ink that reads "Jill Jordan".

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

Attachment

C: A. C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
Craig D. Kinton, City Auditor
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Theresa O'Donnell, (I) Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Sana Syed, Public Information Officer
Elsa Cantu, Assistant to the City Manager – Mayor & Council

Dallas Floodway Update

Transportation and Trinity River Project Committee

Col. Charles Klinge

Commander, Fort Worth District

Jill A. Jordan, P.E.

Assistant City Manager
City of Dallas

25 August 2014



US Army Corps of Engineers
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Purpose of Today's Briefing

- Update to the Recommended Plan due to passing of Water Resources Reform and Development Act of 2014 ["WRRDA 2014"]
- Overview of the Dallas Floodway Project revised work-in-kind/cost share
- Update on Schedule



Dallas Floodway Project

- On 28 April 2014, Transportation and Trinity River Project Committee asked for break down of project cost and work-in-kind credit
- As a reminder, Water Resources Development Act of 2007 [“WRDA 2007”] authorized Dallas Floodway Project (Section 5141) prior to completion of study
 - Project cost of \$459 million based on preliminary planning efforts and conceptual designs
 - Included Balanced Vision Plan [“BVP”] and Interior Drainage Plan [“IDP”] Pump Stations (East Levee IDP Only)
 - Included provision for work-in-kind/credit for planning, design and construction activities



Dallas Floodway Feasibility Study

- WRRDA 2014 provided technical corrections to WRDA 2007 to include West Levee IDP
- Section 902 of the WRDA 1986:
 - Set Maximum cost limits for Authorized Projects
 - 902 limit = authorized cost plus inflation plus 20% of the authorized cost
 - 902 limit changes based on implementation schedule and project components proposed
- Adding the entire West Levee IDP exceeds the Section 902 limit



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Total Cost Exceeds the Section 902 Limit

Flood Risk Management

Levee and Bridge	\$9,953,000
<i>Subtotal</i>	<i>\$9,953,000</i>

East IDP Pump Stations

Able	\$120,183,000
Baker	\$50,206,000
Hampton	\$82,932,000
<i>Subtotal</i>	<i>\$253,321,000</i>

West IDP Pump Stations

Charlie	\$48,990,000
Delta	\$4,986,000
Pavaho	\$32,473,000
Trinity Portland	\$44,589,000
<i>Subtotal</i>	<i>\$131,038,000</i>

Ecosystem Restoration

River Relocation	\$5,903,000
Corinth Wetlands	\$324,032,000
<i>Subtotal</i>	<i>\$329,935,000</i>

Grand Total	\$724,247,000
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Potential City Credit / Work-in-Kind

Able	\$120,183,000
Baker*	\$47,740,000
Pavaho	\$32,473,000
Cut-off wall	\$10,000,000
Feasibility Credit**	\$10,000,000
Total**	\$220,396,000

*Baker Actually costs \$50 million, but \$2.4 million is Land, Easements, Rights of Way, Relocations, Disposal Sites [“LERRDS”], which is not considered credit

**Feasibility credit is an estimate and will change prior to finalizing the Feasibility Report



Cost-Sharing Scenarios

Because \$724 million exceeds its Section 902 limit, we need to identify a project scenario under that limit or we would need new Project Authorization

Features	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5
FRM	X	X	X	X	X
Able	X			X	X
Baker	X		X		X
Charlie		X	X	X	X
Delta		X	X	X	X
Hampton	X	X	X	X	X
Pavaho		X			X
Trinity Portland		X	X	X	X
ER	X	X	X	X	X
Exceeds 902	No	No	No	Yes	Yes



*Scenario 4 or 5 would require additional authorization from Congress



Summary of Cost Sharing

	Total Cost	Federal Cost	Non-Federal Cost
Scenario 1	\$529,123,000	\$343,930,000	\$185,193,000
Scenario 2	\$553,858,000	\$360,016,000	\$193,842,000
Scenario 3	\$571,591,000	\$371,534,000	\$200,057,000
Scenario 4	\$641,568,000	\$417,028,000	\$224,540,000
Scenario 5	\$724,247,000	\$470,761,000	\$253,486,000

*All Scenarios are cost share 65% Federal and 35% non-Federal



Summary of Cost Sharing

Scenario	Non Federal Cost	Potential Credit	LEERDS Credit	Future LERRDS	5% Cash	Additional Cash	Remaining City Costs		
							This Scenario*	Remaining IDP**	Total***
1	185,193,000	115,451,000	2,466,000	56,912,000	10,364,000	0	67,276,000	98,565,000	165,841,000
2	193,842,000	42,473,000	0	52,522,000	11,197,000	87,650,000	151,369,000	0	151,369,000
3	200,057,000	57,740,000	2,466,000	52,522,000	12,083,000	75,246,000	139,851,000	0	139,851,000
4	224,540,000	109,878,000	0	52,522,000	15,582,000	26,253,000	94,357,000	0	94,357,000
5	253,486,000	180,405,000	2,466,000	52,522,000	18,093,000	0	70,615,000	0	70,615,000

*"This Scenario" = "Future LERRDS" + "5% Cash" + "Additional Cash"

** Remaining IDP is the remaining cost to build unfinished pump stations not included in that scenario

***These costs do not include the recreation features of the BVP



New Recommended Plan

- Scenario Three (3) is the recommended plan. It includes:
 - Flood Risk Management: Levee Raise, AT&SF Bridge Modification, Baker, Charlie, Delta, Hampton, and Trinity Portland Pump Stations
 - Ecosystem Restoration: River Restoration and Corinth Wetlands
- Rationale for recommended plan:
 - Prioritizes life safety by including unfinished pump stations
 - Optimizes credit while staying within current authorization
 - Maximizes federal participation
- Ramifications of recommended plan:
 - Results in City not requesting credit for Able or Pavaho Pump Stations



Scenario Three (3) / Revised Recommended Plan

Construction Cost Sharing with Baker Credit			
	Federal	Non-Federal	Total
Flood Risk Management			
Construction	\$157,076,000		\$157,076,000
LERRD		\$12,322,000	\$12,322,000
5% Cash		\$12,083,000	\$12,083,000
Credit		\$47,740,000	\$47,740,000
Additional Cash		\$12,435,000	\$12,435,000
Subtotal	\$157,076,000	\$84,580,000	\$241,656,000
	65.0%	35.0%	
Ecosystem Restoration			
Construction	\$214,458,000		\$214,458,000
LERRD		\$42,666,000	\$42,666,000
Credit		\$10,000,000	\$10,000,000
Additional Cash		\$62,811,000	\$62,811,000
Subtotal	\$214,458,000	\$115,477,000	\$329,935,000
	65.0%	35.0%	
Totals	\$371,534,000	\$200,057,000	\$571,591,000
	65.0%	35.0%	
Total Owed by City		\$200,057,000	
WIK Credit		-\$57,740,000	
LEERDS Credit		-\$2,466,000	
Remaining City Cost		\$139,851,000	

Includes: FRM, Baker, Charlie, Delta, Hampton, Trinity Portland and Ecosystem Restoration



City of Dallas Remaining Costs

- Recommended Federal Plan is \$572 million costs shared as shown above
- Total current estimate based on this preliminary engineering design is around \$1.4 billion

Entire BVP and IDP's	\$1,400,000,000
Federal Share of Scenario 3	-\$371,534,000
City Work-in-Kind Credit	-\$57,740,000
City LERRDS Credit	-\$2,466,000
City Rollover Feasibility Credit	-\$10,000,000
Able	-\$120,183,000
Pahavo	-\$32,473,000
Total Remaining for BVP and IDP's	\$805,604,000



*Costs will increase with inflation and if the Trinity Parkway is not constructed



Path Forward

- Implementation and funding will be:
 - Funded bond program by bond program
 - Ex. Put one pump station per bond program
 - See appendix for overview of City bond program allocations through 2012 bond program
 - Funded annually through the Stormwater Drainage Management Fund for levee flattening and raising (where necessary)
 - Built donation by donation
 - Coordinated with developments as they occur
 - Done with partners as their funding becomes available



Next Steps

- Responding to Policy and Public Comments, as well as identifying the Recommended Plan considering WRRDA 2014, has caused a two (2) to three (3) month schedule slip
- Corps completes Record of Decision for Dallas Floodway – February/March 2015
- Phase 1 Lake Construction begins – March/April 2015



Questions?



Appendix



Scenario Details



Scenario 1

Previous Construction Cost Sharing (Modified) With Credit

	Federal	Non-Federal	Total
Flood Risk Management			
Construction	134,728,000		134,728,000
LERRD		16,672,000	16,672,000
5% Cash		10,364,000	10,364,000
Credit		45,510,000	45,510,000
Additional Cash			0
Subtotal	134,728,000	72,546,000	207,274,000
	65.0%	35.0%	
Ecosystem Restoration			
Construction	209,202,000		209,202,000
LERRD		42,706,000	42,706,000
Credit		69,941,000	69,941,000
Additional Cash			0
Subtotal	209,202,000	112,647,000	321,849,000
	65.0%	35.0%	
Totals	343,930,000	185,193,000	529,123,000
Total Owed by City		185,193,000	
WIK Credit		-115,451,000	
LERRDS Credits		-2,466,000	
Remaining City Cost		67,276,000	



Includes FRM, Hampton, Baker, and Able with excess credit of about \$50 million



Scenario 2

New Proposal Construction Cost Sharing with Pavaho Credit

	Federal	Non-Federal	Total
Flood Risk Management			
Construction	145,558,000		145,558,000
LERRD		9,856,000	9,856,000
5% Cash		11,197,000	11,197,000
Credit		32,473,000	32,473,000
Additional Cash		24,839,000	24,839,000
Subtotal	145,558,000	78,365,000	223,923,000
	65.0%	35.0%	
Ecosystem Restoration			
Construction	214,458,000		214,458,000
LERRD		42,666,000	42,666,000
Credit		10,000,000	10,000,000
Additional Cash		62,811,000	62,811,000
Subtotal	214,458,000	115,477,000	329,935,000
	65.0%	35.0%	
Totals	360,016,000	193,842,000	553,858,000
	65.0%	35.0%	
Total Owed by City		193,842,000	
WIK Credit		-42,473,000	
LERRDS Credit		-0	
Remaining City Cost		151,369,000	

Includes: FRM, Charlie, Delta, Hampton, Pavaho, Trinity Portland and Ecosystem Restoration



Scenario Three (3) / Revised Recommended Plan

Construction Cost Sharing with Baker Credit			
	Federal	Non-Federal	Total
Flood Risk Management			
Construction	\$157,076,000		\$157,076,000
LERRD		\$12,322,000	\$12,322,000
5% Cash		\$12,083,000	\$12,083,000
Credit		\$47,740,000	\$47,740,000
Additional Cash		\$12,435,000	\$12,435,000
Subtotal	\$157,076,000	\$84,580,000	\$241,656,000
	65.0%	35.0%	
Ecosystem Restoration			
Construction	\$214,458,000		\$214,458,000
LERRD		\$42,666,000	\$42,666,000
Credit		\$10,000,000	\$10,000,000
Additional Cash		\$62,811,000	\$62,811,000
Subtotal	\$214,458,000	\$115,477,000	\$329,935,000
	65.0%	35.0%	
Totals	\$371,534,000	\$200,057,000	\$571,591,000
	65.0%	35.0%	
Total Owed by City		\$200,057,000	
WIK Credit		-\$57,740,000	
LEERDS Credit		-\$2,466,000	
Remaining City Cost		\$139,851,000	

Includes: FRM, Baker, Charlie, Delta, Hampton, Trinity Portland and Ecosystem Restoration



Scenario 4

Construction Cost Sharing with Able Credit

	Federal	Non-Federal	Total
Flood Risk Management			
Construction	202,570,000		202,570,000
LERRD		9,856,000	9,856,000
5% Cash		15,582,000	15,582,000
Credit		83,625,000	83,625,000
Additional Cash		0	0
Subtotal	202,570,000	109,063,000	311,633,000
	65.0%	35.0%	
Ecosystem Restoration			
Construction	214,458,000		214,458,000
LERRD		42,666,000	42,666,000
Credit		46,558,000	46,558,000
Additional Cash		26,253,000	26,253,000
Subtotal	214,458,000	115,477,000	329,935,000
	65.0%	35.0%	
Totals	417,028,000	224,540,000	641,568,000
	65.0%	35.0%	
Total Owed by City		224,540,000	
WIK Credit		-130,183,000	
LERRDS Credit		-0	
Remaining City Cost		94,357,000	

Includes: FRM, Able, Charlie, Delta, Hampton, Trinity Portland and Ecosystem Restoration



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Scenario 5

Construction Cost Sharing with all pump stations Credit

	Federal	Non-Federal	Total
Flood Risk Management			
Construction	256,303,000		256,303,000
LERRD		12,322,000	12,322,000
5% Cash		18,093,000	18,093,000
Credit		107,594,000	107,594,000
Additional Cash		0	0
Subtotal	256,303,000	138,009,000	394,312,000
	65.0%	35.0%	
Ecosystem Restoration			
Construction	214,458,000		214,458,000
LERRD		42,666,000	42,666,000
Credit		72,811,000	72,811,000
Additional Cash			0
Subtotal	214,458,000	115,477,000	329,935,000
	65.0%	35.0%	
Totals	470,761,000	253,486,000	724,247,000
	65.0%	35.0%	
Total Owed by City		253,486,000	
WIK Credit		-180,405,000	
LERRDS Credit		-2,466,000	
Remaining City Cost		70,615,000	

Includes: FRM, Able, Baker, Charlie, Delta, Hampton, Pavaho, Trinity Portland and Ecosystem Restoration



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Summary of Cost Share



Summary of Cost Sharing

	Total Cost	Federal Cost	Non Federal Cost	Potential Credit	LERRDS	5% Cash	Additional Cash	City \$ for all Feat.
Scenario 1	\$529,123,000	\$343,930,000	\$185,193,000	\$115,451,000	\$59,378,000	\$10,364,000	\$0	\$378,703,000
Scenario 2	\$553,858,000	\$360,016,000	\$193,842,000	\$42,473,000	\$52,522,000	\$11,197,000	\$87,650,000	\$364,365,000
Scenario 3	\$571,591,000	\$371,534,000	\$200,057,000	\$57,740,000	\$54,988,000	\$12,083,000	\$75,246,000	\$352,713,000
Scenario 4	\$641,568,000	\$417,028,000	\$224,540,000	\$109,878,000	\$52,522,000	\$15,582,000	\$26,253,000	\$307,219,000
Scenario 5	\$724,247,000	\$470,761,000	\$253,486,000	\$180,405,000	\$54,988,000	\$18,093,000	\$0	\$283,477,000



Summary of Bond Program Funding



City of Dallas Authorized Bond Program Investments in Trinity River Corridor

1989 Bond Program	\$8,500,000
1998 Bond Program	\$246,000,000
2006 Bond Program	\$219,017,612
<u>2012 Bond Program</u>	<u>\$6,418,400</u>
Total	\$479,936,012



Memorandum



CITY OF DALLAS

DATE 22 August 2014

TO The Honorable Members of the Transportation and Trinity River Project Committee:
Vonciel Jones Hill (Chair), Lee Kleinman (Vice Chair), Deputy Mayor Pro Tem Monica Alonzo,
Mayor Pro Tem Tennell Atkins, Sandy Greyson, and Sheffie Kadane

SUBJECT Cotton Belt Corridor

On Monday, 25 August 2014, you will be briefed on the Cotton Belt Corridor. The briefing materials are attached for your review.

Please feel free to contact me if you need additional information.

A handwritten signature in black ink, appearing to read 'Jill Jordan'.

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

Attachment

c: A. C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
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Cotton Belt Corridor

Transportation and Trinity River Project Committee
25 August 2014



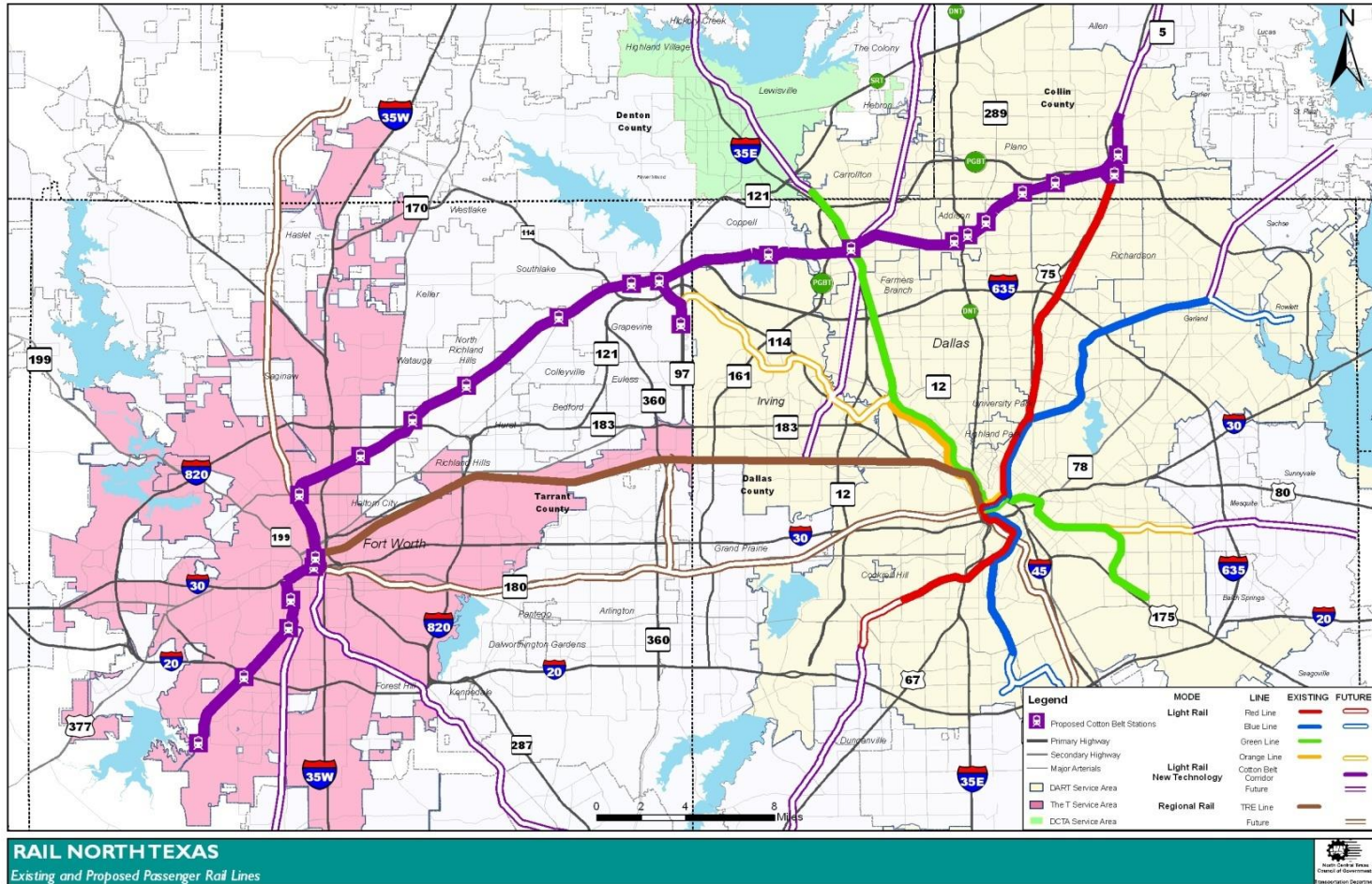
Presentation Outline

- ▶ **Overview**
 - ▶ Corridor Location
 - ▶ Ownership
 - ▶ TEX Rail Project
- ▶ **Project Development**
 - ▶ Anticipated Private Sector Proposal
 - ▶ DART Alternatives Development
- ▶ **Next Steps**

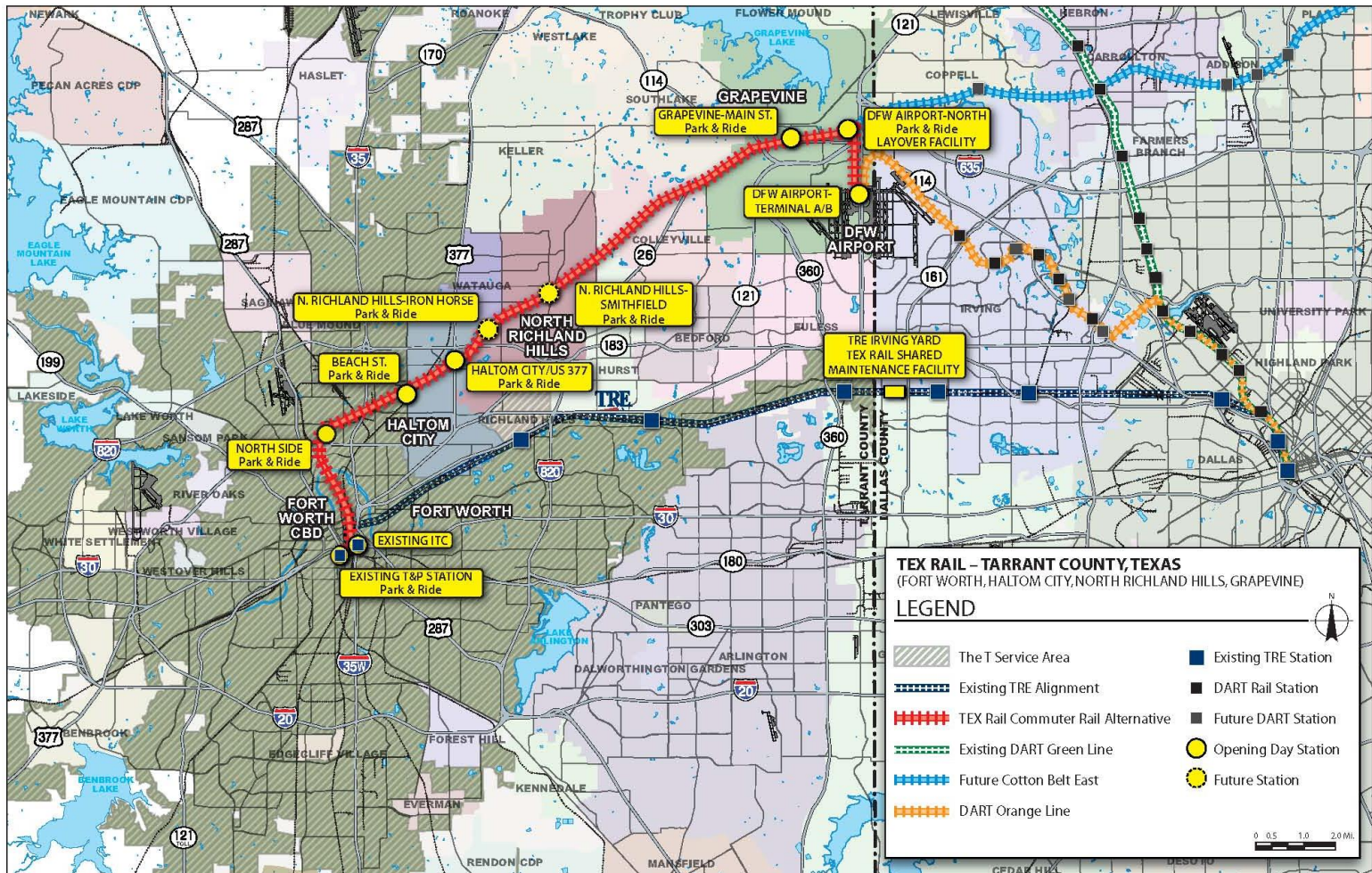
Overview

- ▶ **Two independent projects**
 - ▶ The Fort Worth Transportation Authority [“The T”]
 - ▶ Dallas Area Rapid Transit [“DART”]
- ▶ **Serves a large part of the region**
 - ▶ Located in Dallas, Collin and Tarrant counties
 - ▶ Thirteen (13) Cities
 - ▶ Two (2) Universities (University of Texas at Dallas and Texas A&M Research & Ext Center)
- ▶ **Important transit connections**
 - ▶ D/FW Airport and Orange Line Connection
 - ▶ DART Green Line and Red Line Connections
- ▶ **DART owns fifty-two (52) miles of Cotton Belt right-of-way**

Cotton Belt Corridor



TEX Rail Project

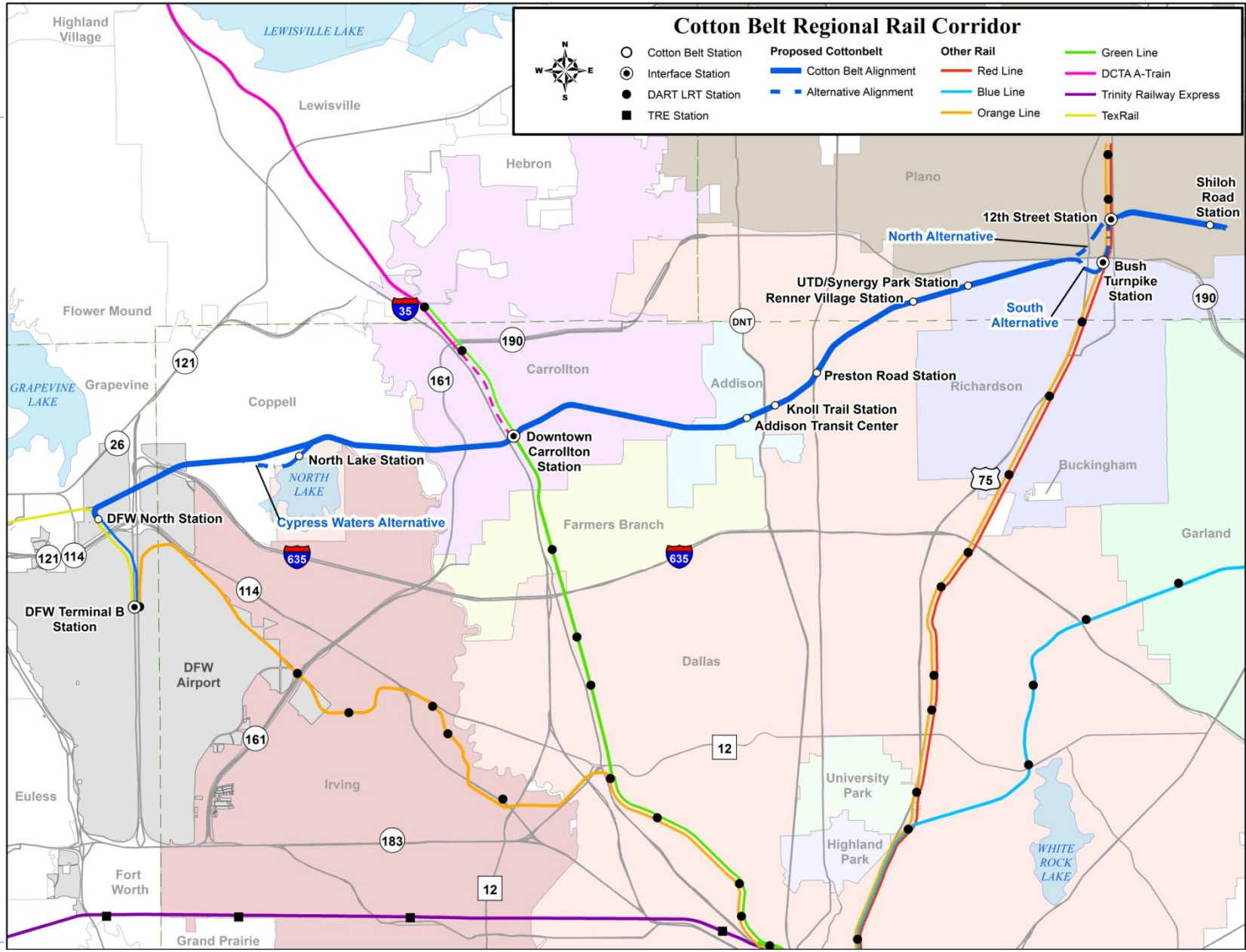


TEX Rail Status

- ▶ The T submitted New Starts application for TEX Rail in October 2011
 - ▶ Seeking \$405 million in federal funding
- ▶ In August 2013, The T Board redefined project as Minimum Operable Segment [“MOS”] from Downtown Fort Worth to the D/FW Airport station
 - ▶ Revised environmental document under review by Federal Transit Administration [“FTA”] and Federal Aviation Administration [“FAA”]
- ▶ Anticipated revenue service in 2018

Recent History

- ▶ DART Public Private Partnership [“PPP”] meeting
 - ▶ May 2009
- ▶ Cotton Belt Conceptual Engineering and Funding Study (NCTCOG)
 - ▶ Completed April 2010
- ▶ Cotton Belt Innovative Finance Initiative (NCTCOG)
 - ▶ Initiated July 2010 and Completed December 2011
- ▶ DART Board
 - ▶ Authorized the President/Executive Director in May 2010 to enter into an Memorandum of Understanding [“MOU”] with the Regional Transportation Commission [“RTC”] to receive proposals to advance Rail Service in the Corridor
 - ▶ No proposals were received; MOU no longer in effect



Potential Dallas Stations

- ▶ Cypress Waters-North Lake
- ▶ Knoll Trail-DNT area
 - ▶ Opportunity for significant redevelopment and economic benefit to city
- ▶ Preston Road
 - ▶ Neighborhood residents have voiced concerns
- ▶ Coit Area
 - ▶ Texas A&M area redevelopment
 - ▶ University of Texas at Dallas
 - ▶ Transit Oriented Development

Project Benefits

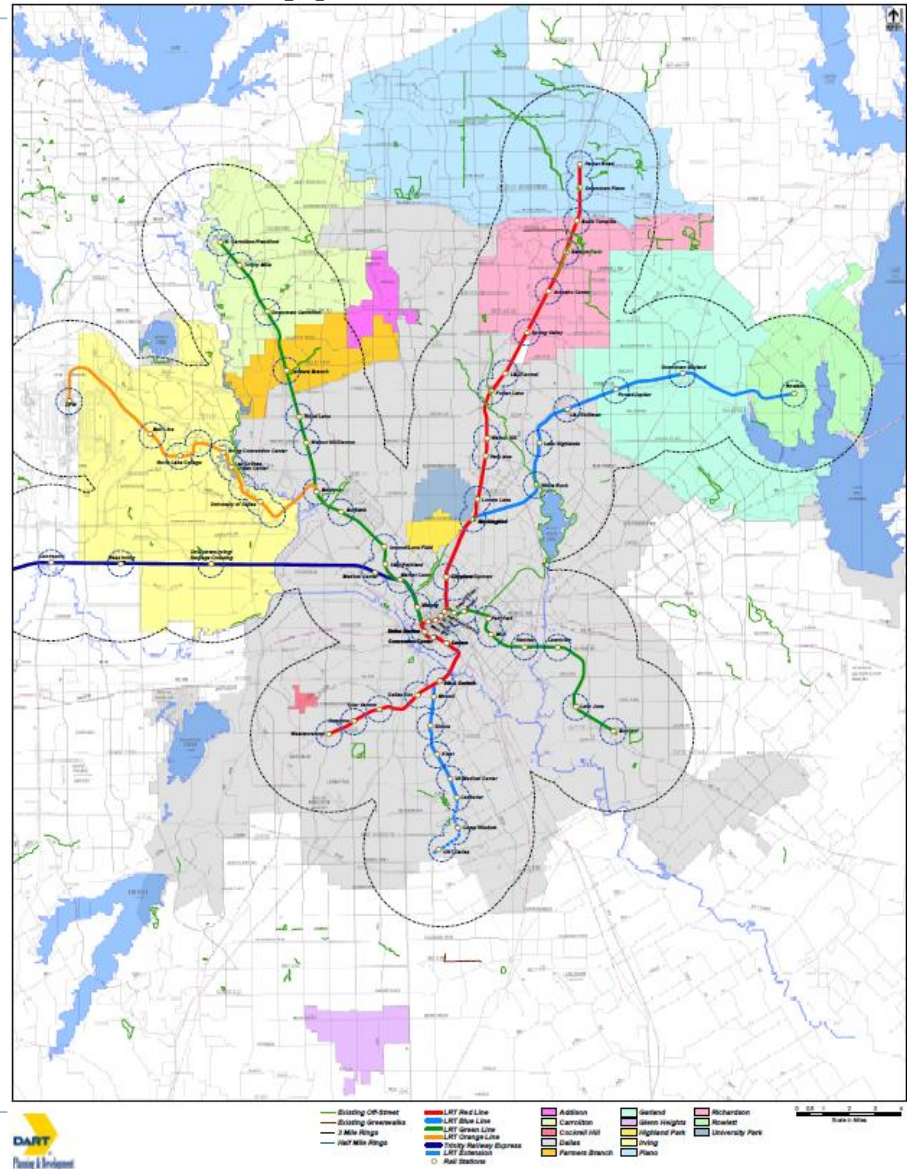
- ▶ Provide passenger rail connections and service between the DART, Denton County Transit Authority [“DCTA”], and The T service areas
- ▶ Provide for crosstown movement and connections to D/FW Airport
- ▶ Reduce congestion/travel delays along the northern tier of the region

Project Benefits (continued)

- ▶ Provide reliable connections between existing and proposed transit system
- ▶ Promote development along the corridor through Transit Oriented Development [“TOD”] opportunities
- ▶ Opportunity to incorporate Cotton Belt Hike and Bike Trail within the Project

DART Rail Service Coverage

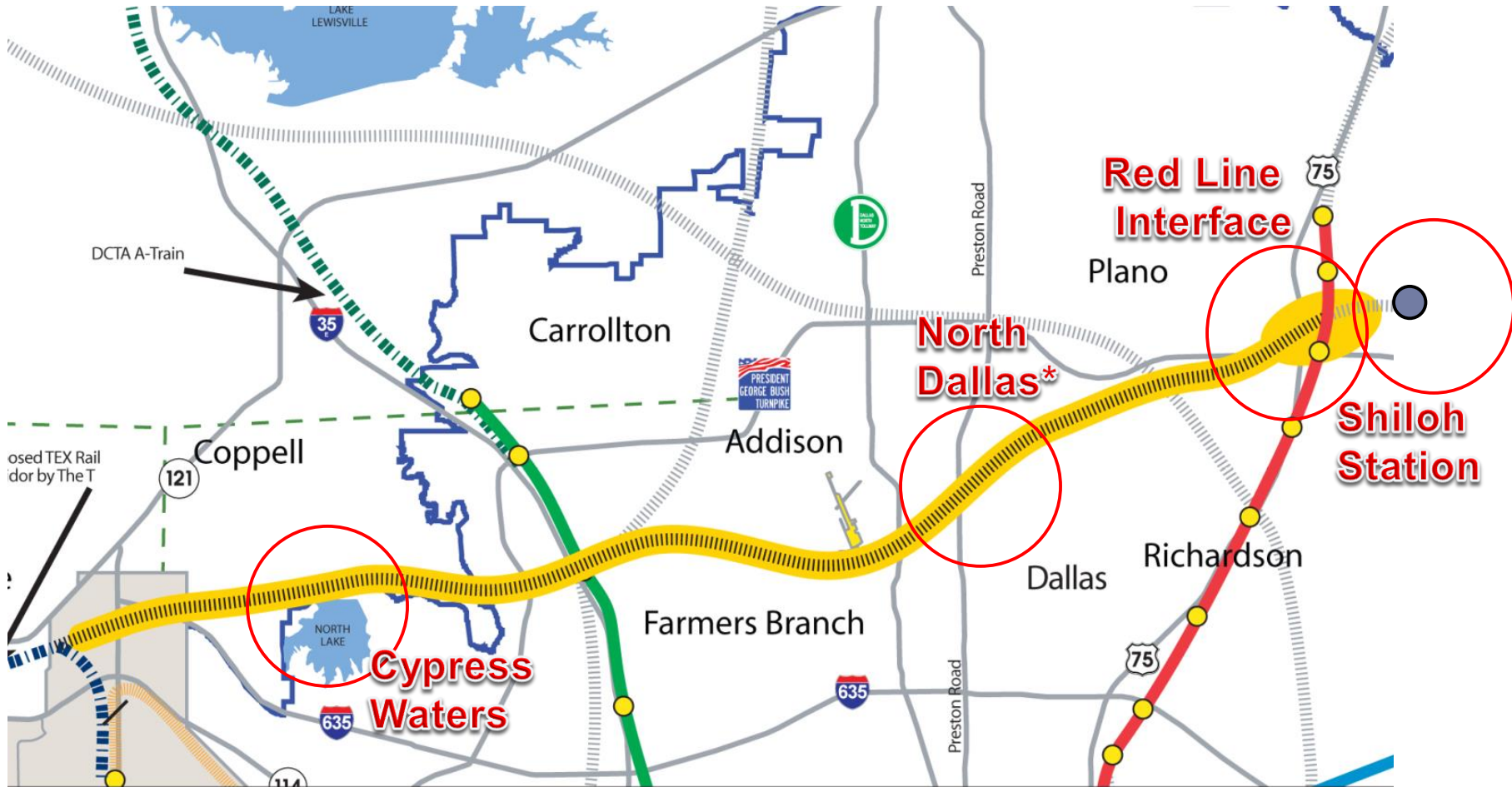
- ▶ Cotton Belt can help fill a gap in rail transit service for Far North Dallas
- ▶ Rail transit along LBJ corridor could also help address gap in Far North Dallas service



Project Development

- ▶ DART Initiated Preliminary Engineering Effort
 - ▶ Notice of Intent issued in July 2010
 - ▶ Advanced Engineering and Environmental Analysis
- ▶ Preliminary Engineering Effort to Support and Provide Starting Point for Private-Sector Proposal
 - ▶ No Proposal Received
- ▶ Completed Documentation of Environmental Conditions and 5% Engineering Report
 - ▶ April 2014
 - ▶ Spent Approximately \$8 million

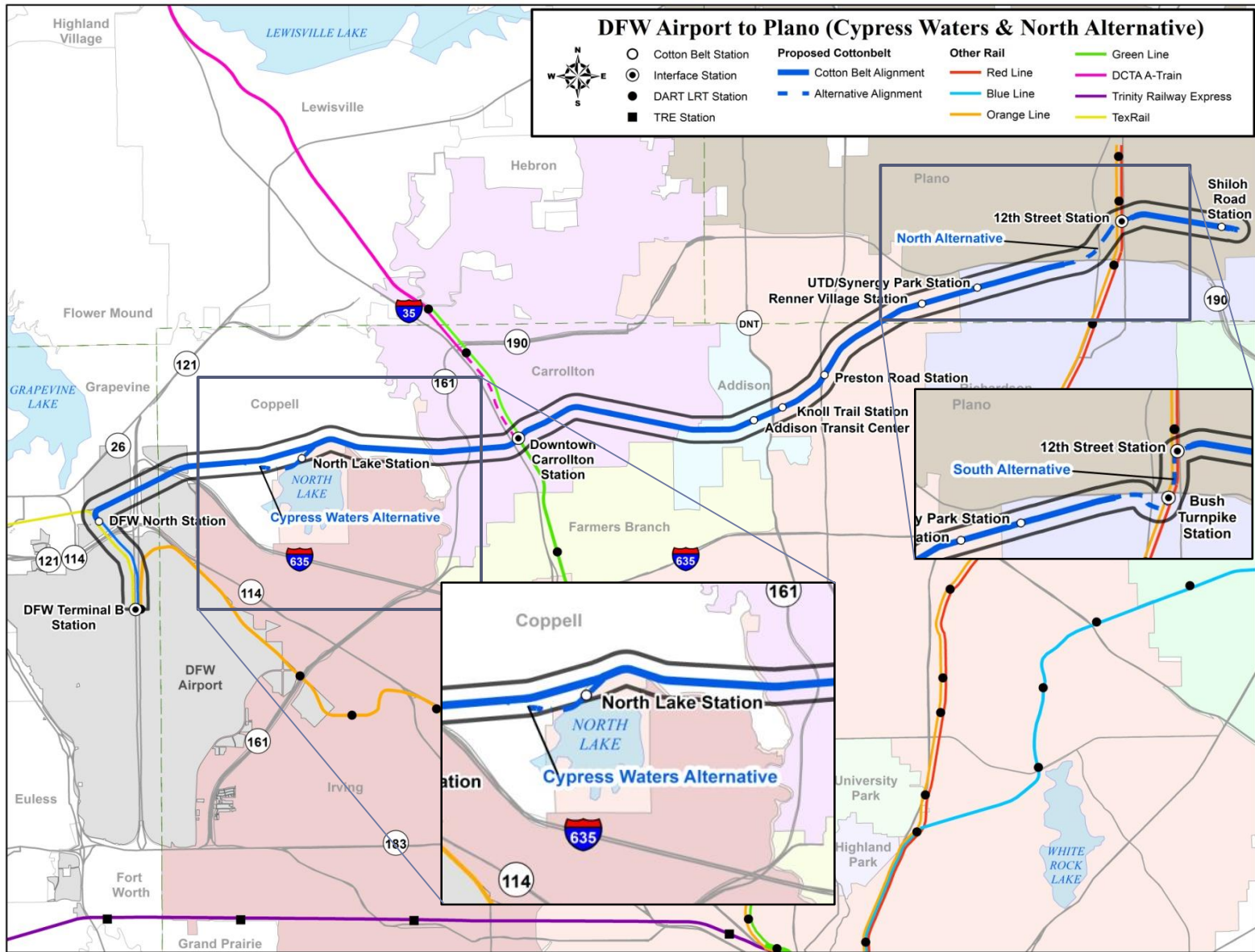
Design Alternatives



* At-Grade; Tunnel

Range of Alignment Options Evaluated

- ▶ **Base Line project options**
 - ▶ Double track rail
 - ▶ Lowest cost rail
 - ▶ Bus Rapid Transit [“BRT”]
- ▶ **Alignment alternatives**
 - ▶ Cypress Waters
 - ▶ Interface with Red Line east of Central Expressway
- ▶ **Profile options in North Dallas**
 - ▶ At-grade
 - ▶ Tunnel



Operable Segments

Scenario	Double-Track	Lowest Cost Rail	BRT
DFW-Plano	12	2	4
Carrollton-Plano	6	2	4
Carrollton-Addison	1	1	2
DFW-Carrollton	2	0	0
DFW-Addison	2	1	2

Regional Rail Vehicle



Major Assumptions – Double Track Rail

- ▶ 2020 revenue service start
- ▶ TEX Rail to D/FW Airport and the DCTA extension to Downtown Carrollton are completed before 2020
- ▶ Assumption of a federal grant for 20% of the capital cost, the remainder of the capital costs to be funded with debt
- ▶ DART will contribute no money to construction or operations until 2035 at the earliest

Major Assumptions – Double Track Rail

- ▶ New Diesel Multiple Unit [“DMU”] vehicles
- ▶ Full double-tracking along the whole corridor
- ▶ 20-minute peak headways, 60-minute off-peak and weekend service

Major Assumptions – Lowest Cost Rail

- ▶ 2020 revenue service start
- ▶ TEX Rail to D/FW Airport and the DCTA extension to Downtown Carrollton are completed before 2020
- ▶ Assumption of no federal grant / All capital costs to be funded with debt
- ▶ DART will contribute no money to construction or operations until 2035 at the earliest

Major Assumptions – Lowest Cost Rail

- ▶ New Diesel Multiple Unit [“DMU”] vehicles
- ▶ 30-minute peak headways, 60-minute off-peak and weekend service
- ▶ No extra work done at Downtown Carrollton to prepare for full double-tracking, no operating facility
- ▶ Rail service stops at D/FW North Station and TEX Rail and/or a bus shuttle takes passengers into D/FW Airport
- ▶ Single-track rail service, sidings where necessary

BRT Technology



Valley Rapid, San Jose, CA

BRT Examples



Sample BRT Video



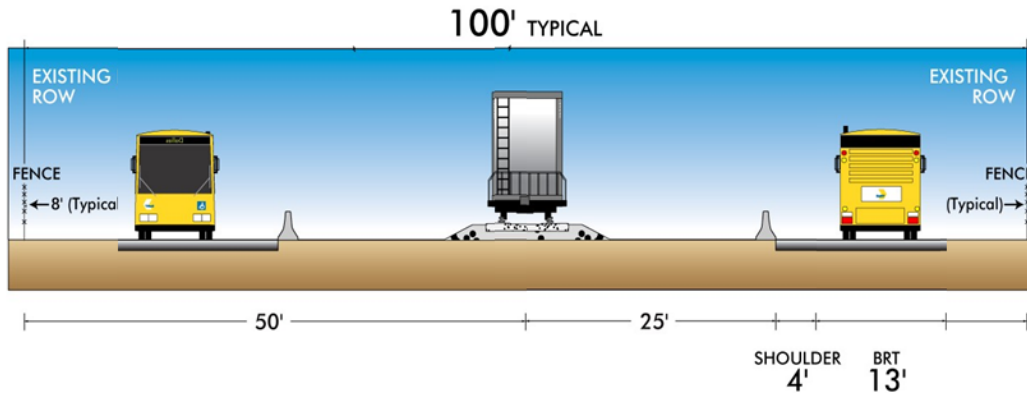
Major Assumptions - BRT

- ▶ 2020 revenue service start
- ▶ Assumption of no federal grant / All capital costs to be funded with debt
- ▶ DART will contribute no money to construction or operations until 2035 at the earliest

Major Assumptions - BRT

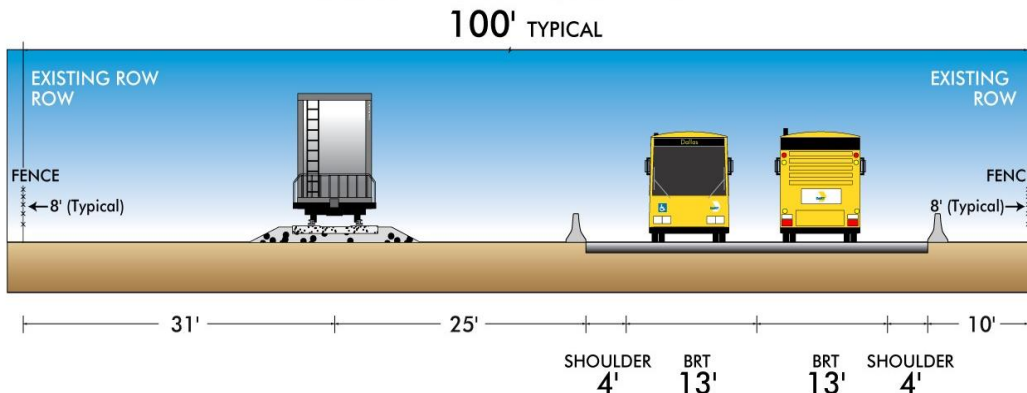
- ▶ TEX Rail to D/FW Airport and the DCTA extension to Downtown Carrollton are completed before 2020
- ▶ Service delivered with articulated buses
- ▶ 10-20 minutes peak headways, 30-minute off-peak and weekend service
- ▶ The BRT corridor ends at D/FW North Station but the bus continues into D/FW Airport

Cross Section



- ▶ BRT split by direction (railroad track does not need to be moved)
- ▶ Shown herein as BRT 1

BRT IN RAILROAD ROW



- ▶ BRT confined to one side (railroad track may need to be moved to make room for busway)
- ▶ Shown herein as BRT 2

Current Status

- ▶ Currently in DART Financial Plan for beyond 2035
- ▶ Strong region-wide support to develop early
- ▶ No other funding source is currently available
- ▶ DART has developed a range of options for consideration

Summary Table: Gross Capital Cost

Operable Segment	Double-Track	Lowest Cost Rail	BRT 1	BRT 2
	Gross Capital Cost	Gross Capital Cost	Gross Capital Cost	Gross Capital Cost
DFW-Plano North Route, At-Grade	\$1,470,526,797	\$611,591,517	\$360,107,663	\$798,707,663
DFW-Plano North Route, Trench	\$1,616,647,814			
DFW-Plano North Route, Tunnel	\$2,076,473,109			
DFW-Plano North Route, At-Grade, with Cypress Waters	\$1,540,898,971			
DFW-Plano North Route, Trench, with Cypress Waters	\$1,687,019,988			
DFW-Plano North Route, Tunnel, with Cypress Waters	\$2,146,845,284			
DFW-Plano South Route, At-Grade	\$1,528,589,806	\$689,545,350	\$393,027,889	\$831,627,889
DFW-Plano South Route, Trench	\$1,674,710,823			
DFW-Plano South Route, Tunnel	\$2,134,536,118			
DFW-Plano South Route, At-Grade, with Cypress Waters	\$1,598,961,981			
DFW-Plano South Route, Trench, with Cypress Waters	\$1,745,082,997			
DFW-Plano South Route, Tunnel, with Cypress Waters	\$2,204,908,293			
Carrollton-Plano North Route, At-Grade	\$1,095,877,380	\$408,964,151	\$209,611,663	\$459,511,663
Carrollton-Plano North Route, Trench	\$1,241,998,397			
Carrollton-Plano North Route, Tunnel	\$1,701,823,692			
Carrollton-Plano South Route, At-Grade	\$1,153,940,389	\$486,483,234	\$242,531,889	\$492,431,889
Carrollton-Plano South Route, Trench	\$1,300,061,406			
Carrollton-Plano South Route, Tunnel	\$1,759,886,702			
Carrollton - Addison	\$453,782,909	\$146,619,161	\$70,748,427	\$154,048,427
DFW-Carrollton	\$582,623,255			
DFW-Carrollton with Cypress Waters	\$652,995,430			
DFW-Addison	\$848,021,559	\$337,030,367	\$220,763,236	\$494,463,236
DFW-Addison with Cypress Waters	\$918,393,734			

Summary Table: Funding through 2034

Operable Segment	Double-Track	Lowest Cost Rail	BRT 1	BRT 2
	Funding Required Through 2034	Funding Required Through 2034	Funding Required Through 2034	Funding Required Through 2034
DFW-Plano North Route, At-Grade	\$1,332,581,123	\$771,885,954	\$362,483,129	\$751,646,332
DFW-Plano North Route, Trench	\$1,436,301,912			
DFW-Plano North Route, Tunnel	\$1,764,572,231			
DFW-Plano North Route, At-Grade, with Cypress Waters	\$1,390,395,821			
DFW-Plano North Route, Trench, with Cypress Waters	\$1,494,116,611			
DFW-Plano North Route, Tunnel, with Cypress Waters	\$1,822,386,930			
DFW-Plano South Route, At-Grade	\$1,378,855,503	\$844,031,935	\$391,692,752	\$780,855,955
DFW-Plano South Route, Trench	\$1,482,576,293			
DFW-Plano South Route, Tunnel	\$1,810,846,612			
DFW-Plano South Route, At-Grade, with Cypress Waters	\$1,435,922,175			
DFW-Plano South Route, Trench, with Cypress Waters	\$1,539,642,965			
DFW-Plano South Route, Tunnel, with Cypress Waters	\$1,867,913,284			
Carrollton-Plano North Route, At-Grade	\$1,053,746,830	\$642,665,763	\$218,556,321	\$440,288,843
Carrollton-Plano North Route, Trench	\$1,157,467,619			
Carrollton-Plano North Route, Tunnel	\$1,485,737,938			
Carrollton-Plano South Route, At-Grade	\$1,099,272,765	\$568,618,721	\$245,061,950	\$466,794,473
Carrollton-Plano South Route, Trench	\$1,202,993,555			
Carrollton-Plano South Route, Tunnel	\$1,531,263,874			
Carrollton - Addison	\$459,585,308	\$239,588,582	\$74,838,706	\$148,749,546
DFW-Carrollton	\$552,427,548			
DFW-Carrollton with Cypress Waters	\$608,176,655			
DFW-Addison	\$795,683,278	\$465,840,333	\$224,985,464	\$467,835,370
DFW-Addison with Cypress Waters	\$850,914,482			

Addressing the Funding Gap

#	Potential Funding Sources	CAPEX	OPEX
1	Contributions in aid of construction	X	
2	TIF Contributions (value capture)	X	
3	Public Improvement Districts		X
4	Contract fee service w/cities		X
5	Naming Rights		X
6	Grants	X	
7	New dedicated taxes / fees	X	X

Next Steps

- ▶ Which mode to pursue
- ▶ Project phasing
- ▶ Identifying funding sources
- ▶ Position the project for grant application
- ▶ Implementing alternative funding possibilities

Discussion

Memorandum



CITY OF DALLAS

DATE 22 August 2014

TO The Honorable Members of the Transportation and Trinity River Project Committee:
Vonciel Jones Hill (Chair), Lee Kleinman (Vice Chair), Deputy Mayor Pro Tem Monica Alonzo,
Mayor Pro Tem Tennell Atkins, Sandy Greyson, and Sheffie Kadane

SUBJECT **Levee Drainage System – Sump A Improvements, also known as Able Pump Station**

Trinity Watershed Management is seeking your consideration and support for Council approval on 27 August 2014 for a collection of six contracts related to the construction of Levee Drainage System Sump A Improvements, also known as the Able Pump Station, which is part of both the 2006 and 2012 Bond Programs. The 2006 Bond Program funded the design effort, and the 2012 Bond Program funds the majority of the six construction related items listed below.

The Able Pump Station, located on the south side of Riverfront Boulevard between the Houston and Jefferson Street viaducts, is designed to provide 100-year flood protection to approximately three square miles, including 171 acres of highly desirable land for development in the Cedars. The sump complex includes nine separate and interconnected ponds that store stormwater, and two existing pump stations, constructed in the 1930s and 1950s with a current combined capacity of 220,000 gallons per minute.

The properties adjacent to the Able sump complex are subject to frequent flooding. To help prevent the loss of life as a result of flooding, the new Able Pump Station is designed to increase by the pumping capacity nearly fourfold to 875,000 gallons per minute. It will lower the 100-year flood elevation from 399.0 to a design elevation of 392.5 feet. Construction is expected to begin in September 2014 and will last three years. When the new pump station is operational, the existing pump stations will be decommissioned.

Since the Able Pump Station involves the levee system and the Trinity River floodway, the United States Army Corps of Engineers ["USACE"] has been an active participant in this project. USACE has been involved in the plan review for the design of the pump station and the Section 408 Permit.

To move forward with construction, the following six items are included in the City Council 27 August 2014 Agenda. These are:

48. Authorize a construction management contract with Jacobs Engineering Group, Inc., in the amount not to exceed \$2,951,871. Jacobs Engineering was selected based on their relevant experience in providing this service. The construction management team will serve as an extension of staff to provide expertise for the management of complex construction activities including project delivery, coordination with adjacent high profile projects, risk reduction, inspection, progress meetings, scheduling and issue resolution.
49. Authorize a contract with BAR Constructors, Inc. for construction of the project in the amount not to exceed \$68,275,000. BAR Constructors, Inc. was the lowest responsive bidder of seven for the construction of Able Pump Station. The 2012 Bond Program funds \$68,192,000 and the remaining \$68,275 is funded by the Dallas Water Utilities Capital Improvement Fund.

22 August 2014

Levee Drainage System – Sump A Improvements

Page 2

50. Authorize a professional services contract with Kleinfelder Central, Inc. to provide construction material testing during construction of Able Pump Station in the amount not to exceed \$378,812. Construction material testing provides assurance for the City that the construction quality meets or exceeds the requirements of the plans and specifications and is necessary for compliance with design standards.
51. Authorize a Facilities Extension Agreement contract with Oncor Electric Delivery Company, LLC, to provide standard delivery system facilities and an alternate feed for electrical power for Able Pump Station as required by the USACE for flood fighting emergencies in the amount not to exceed \$1,889,415. The alternate power feed provides redundant back up power in the event that the primary power feed is interrupted during a flood to ensure public safety.
52. Authorize Supplemental Agreement No. 1 to a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC., in the amount not to exceed \$116,862, for additional costs related to the relocation of an existing 138 kilovolt electric transmission tower. The location of the existing tower conflicts with the overall project and restricts intended flood fighting operation and must be relocated to allow for proper functioning of Able Pump Station.
53. Authorize Supplemental Agreement No. 4 to the professional services contract with HDR Engineering, Inc., for design support services during construction of Able Pump Station in the amount not to exceed \$1,601,730. It is necessary for the design engineer of record to provide services during construction related to their design including submittal review, answering design questions and attend required jobsite meetings.

Please let me know if you have questions or need additional information.



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

c: Honorable Mayor and Members of the City Council
A.C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Ryan S. Evans, First Assistant City Manager
Forest E. Turner, Assistant City Manager

Joey Zapata, Assistant City Manager
Charles M. Cato, (I) Assistant City Manager
Theresa O'Donnell, (I) Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Sana Syed, Public Information Officer
Elsa Cantu, Assistant to the City Manager – Mayor & Council

KEY FOCUS AREA: Economic Vibrancy
AGENDA DATE: August 27, 2014
COUNCIL DISTRICT(S): All
DEPARTMENT: Trinity Watershed Management
CMO: Jill A. Jordan, P.E., 670-5299
MAPSCO: Citywide

SUBJECT

Authorize a professional services contract with Jacobs Engineering Group, Inc., for construction management services during construction of the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$2,951,871 – Financing: General Obligation Commercial Paper Funds

BACKGROUND

The 2006 and 2012 Bond Programs include design and construction funding for Levee Drainage System Improvements - Sump A, also referred to as Able Pump Station, which will be located along the south side of Riverfront Boulevard, between the Houston and Jefferson Street viaducts. On November 10, 2008, City Council authorized a professional services contract with HDR Engineering, Inc., to design the Able Pump Station. The project protects nearby properties from frequent flooding and prevents loss of life. Able Pump Station also provides 100-year flood protection to over three square miles, including 171 acres of highly developable land. The new Able Pump Station replaces the two existing 1930s and 1950s Able facilities combined pumping capacity of 220,000 gallons per minute and expands the pumping capacity to 875,000 gallons per minute.

Construction for the Able Pump Station is scheduled to begin September 2014. This project requires specialized construction management due to the complexity of the pump station design and the construction. In addition, the construction manager will serve as an extension of City staff and will also facilitate coordination with the Texas Department of Transportation and Dallas County due to the close vicinity of the Horseshoe Project and the Riverfront Boulevard Project. This action will authorize a professional services contract with Jacobs Engineering Group, Inc., who will serve as the City's construction manager, providing management, oversight and field inspection for the administration, and coordination during the construction of Able Pump Station.

ESTIMATED SCHEDULE OF PROJECT

Begin Construction September 2014
Complete Construction September 2017

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

Briefed the Trinity River Corridor Project Committee on Levee Drainage System - Sump A (Able Pump Station) on August 5, 2008.

Authorized a professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System - Sump A Improvements on November 10, 2008, by Resolution No. 08-3133.

Briefed the Trinity River Corridor Project Committee on Interior Drainage System – Pump Station Updates on January 18, 2011.

Authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System – Sump A Improvements on April 13, 2011, by Resolution No. 11-0961.

Authorized a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC. to relocate an existing 138 kilovolt electric transmission on Oncor’s East Levee-West Industrial Line on February 12, 2014, by Resolution No. 14-0336.

FISCAL INFORMATION

2012 Bond Program (General Obligation Commercial Paper Funds) - \$2,951,871.00

M/WBE INFORMATION

See attached.

ETHNIC COMPOSITION

Jacobs Engineering Group, Inc.

Hispanic Female	14	Hispanic Male	15
African-American Female	6	African-American Male	6
Other Female	5	Other Male	18
White Female	37	White Male	134

OWNER(S)

Jacobs Engineering Group, Inc.

Peter Magallones, Vice President

BUSINESS INCLUSION AND DEVELOPMENT PLAN SUMMARY

PROJECT: Authorize a professional services contract with Jacobs Engineering Group, Inc., for construction management services during construction of the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$2,951,871 – Financing: General Obligation Commercial Paper Funds

Jacobs Engineering Group, Inc. is a local, non-minority firm, has signed the "Business Inclusion & Development" documentation, and proposes to use the following sub-contractors.

PROJECT CATEGORY: Architecture & Engineering

LOCAL/NON-LOCAL CONTRACT SUMMARY

	<u>Amount</u>	<u>Percent</u>
Total local contracts	\$794,784.00	26.92%
Total non-local contracts	\$2,157,087.00	73.08%
TOTAL CONTRACT	\$2,951,871.00	100.00%

LOCAL/NON-LOCAL M/WBE PARTICIPATION

Local Contractors / Sub-Contractors

<u>Local</u>	<u>Certification</u>	<u>Amount</u>	<u>Percent</u>
APM & Associates, Inc.	BMMB61731Y0516	\$365,184.00	45.95%
Word Wizards	WFDB61493Y0415	\$429,600.00	54.05%
Total Minority - Local		\$794,784.00	100.00%

Non-Local Contractors / Sub-Contractors

<u>Non-local</u>	<u>Certification</u>	<u>Amount</u>	<u>Percent</u>
Dal-Tech Engineering, Inc.	WFWB59510Y1214	\$20,000.00	0.93%
Total Minority - Non-local		\$20,000.00	0.93%

TOTAL M/WBE CONTRACT PARTICIPATION

	<u>Local</u>	<u>Percent</u>	<u>Local & Non-Local</u>	<u>Percent</u>
African American	\$365,184.00	45.95%	\$365,184.00	12.37%
Hispanic American	\$0.00	0.00%	\$0.00	0.00%
Asian American	\$0.00	0.00%	\$0.00	0.00%
Native American	\$0.00	0.00%	\$0.00	0.00%
WBE	\$429,600.00	54.05%	\$449,600.00	15.23%
Total	\$794,784.00	100.00%	\$814,784.00	27.60%

August 27, 2014

WHEREAS, on November 10, 2008, by Resolution No. 08-3133, authorized a professional services contract with HDR Engineering, Inc. to provide engineering design of major flood management and pump station improvement projects included in the 2006 Bond Program; and,

WHEREAS, on April 13, 2011, Resolution No. 11-0961 authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements, also referred to as Able Pump Station, to add items associated with the sump improvements and to comply with the Federal Emergency Management Agency's redundancy requirements; and,

WHEREAS, on January 10, 2014, Administrative Action No. 14-5250 authorized Supplemental Agreement No. 2 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with recommendations made by the United States Army Corps of Engineers and the Texas Parks and Wildlife Department; and,

WHEREAS, on March 13, 2014, Trinity Watershed Management received Statement of Qualifications for the construction management services for the Levee Drainage System – Sump A Improvements; and,

WHEREAS, on June 5, 2014, Administrative Action No. 14-6047 authorized Supplemental Agreement No. 3 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with the adoption of the 2012 International Building Code and additional items required by Dallas Water Utilities; and,

WHEREAS, on July 3, 2014, Jacobs Engineering Group, Inc. was selected for the construction management services for the Levee Drainage System – Sump A Improvements; and

WHEREAS, it is now necessary to authorize a professional services contract with Jacobs Engineering Group, Inc., for construction management services during construction.

August 27, 2014

Now, Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:

Section 1. That the City Manager is hereby authorized to enter into a contract with Jacobs Engineering Group, Inc. for construction management services of the Levee Drainage System – Sump A, also referred to as the Able Pump Station, in an amount not to exceed \$2,951,871.00, after it has been approved as to form by the City Attorney.

Section 2. That the City Controller is hereby authorized to disburse funds in accordance with the terms and conditions of the agreement from:

Flood Protection and Storm Drainage Facilities Fund	
Fund 2U23, Department TWM, Unit S768, Act. FLDM	
Obj. 4111, Program # TW12S768, CT TWM12S768K3	
Vendor #VC0000011280, in an amount not to exceed	\$2,951,871.00

Section 3. That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas, and it is accordingly so resolved.

KEY FOCUS AREA: Economic Vibrancy
AGENDA DATE: August 27, 2014
COUNCIL DISTRICT(S): All
DEPARTMENT: Trinity Watershed Management
CMO: Jill A. Jordan, P.E., 670-5299
MAPSCO: Citywide

SUBJECT

Able No. 3 Stormwater Pump Station

- * Authorize a construction contract with BAR Constructors, Inc., lowest responsible bidder of seven, for construction of the Levee Drainage System - Sump A, also referred to as the Able Pump Station - Not to exceed \$68,275,000 - Financing: General Obligation Commercial Paper Funds (\$68,192,000) and Water Utilities Capital Improvement Funds (\$83,000)
- * Authorize a professional services contract with Kleinfelder Central, Inc. to provide construction material testing during construction of the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station - Not to exceed \$378,812 - Financing: General Obligation Commercial Paper Funds

BACKGROUND

The 2006 and 2012 Bond Programs include design and construction funding for Levee Drainage System - Sump A Improvements, also referred to Able Pump Station, which will be located along the south side of Riverfront Boulevard, between the Houston and Jefferson Street viaducts. On November 10, 2008, City Council authorized a professional services contract with HDR Engineering, Inc., to design the Able Pump Station. The project protects nearby properties from frequent flooding and prevents loss of life. Able Pump Station also provides 100-year flood protection to over three square miles, including 171 acres of highly developable land. The Able Pump Station replaces the two existing 1930s and 1950s Able facilities combined pumping capacity of 220,000 gallons per minute and expands the pumping capacity to 875,000 gallons per minute.

BACKGROUND (Continued)

Construction for Able Pump Station is scheduled to begin this September. This action will authorize a contract with BAR Constructors, Inc., lowest responsive bidder of seven, to construct the new Able Pump Station and decommission the two existing obsolete pump stations. This action will also authorize Kleinfelder Central, Inc. to provide the construction material testing services. The construction material testing services was previously performed by a master agreement which no longer exists. Therefore, a separate agreement is now required for this project.

ESTIMATED SCHEDULE OF PROJECT

Begin Construction	September 2014
Complete Construction	September 2017

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

Briefed the Trinity River Corridor Project Committee on Levee Drainage System - Sump A (Able Pump Station) on August 5, 2008.

Authorized a professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System - Sump A Improvements on November 10, 2008, by Resolution No. 08-3133.

Briefed the Trinity River Corridor Project Committee on Interior Drainage System - Pump Station Updates on January 18, 2011.

Authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System - Sump A Improvements on April 13, 2011, by Resolution No. 11-0961.

Authorized a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC. to relocate an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial Line on February 12, 2014, by Resolution No. 14-0336.

FISCAL INFORMATION

General Obligation Commercial Paper Funds (2012 Bond Program) - \$68,570,812.00
Water Utilities Capital Improvement Funds - \$83,000.00

Construction - TWM	\$68,192,000.00
Water & Wastewater - DWU	\$ 83,000.00
Material Testing	<u>\$ 378,812.00</u>
Total Project Cost	\$68,653,812.00

M/WBE INFORMATION

See attached.

ETHNIC COMPOSITION

BAR Constructors, Inc.

Hispanic Female	3	Hispanic Male	103
African-American Female	0	African-American Male	0
Other Female	0	Other Male	0
White Female	5	White Male	17

Kleinfelder Central, Inc.

Hispanic Female	34	Hispanic Male	79
African-American Female	27	African-American Male	22
Other Female	40	Other Male	63
White Female	426	White Male	1,042

BID INFORMATION

The following bids with quotes were received and opened on July 17, 2014

*Denotes successful bidder

BIDDERS

BID AMOUNT

*BAR Constructors, Inc. 805 Katy Street Lancaster, TX 75146	\$68,275,000.00
Webber, LLC	\$69,234,024.00
PC Construction	\$76,610,000.00
Archer Western	\$77,339,050.00
PCL Construction, Inc.	\$77,743,284.00
Cardinal Contractors, Inc.	\$78,263,200.00
Fru-Con	\$82,400,000.00

OWNERS

BAR Constructors, Inc.

Isidro Arrambide, Jr., President

Kleinfelder Central, Inc.

Aaron Cotton, Jr., Senior Project Manager

BUSINESS INCLUSION AND DEVELOPMENT PLAN SUMMARY

PROJECT: Authorize a construction contract with BAR Constructors, Inc., lowest responsible bidder of seven, for construction of the Levee Drainage System - Sump A, also referred to as the Able Pump Station - Not to exceed \$68,275,000 - Financing: General Obligation Commercial Paper Funds (\$68,192,000) and Water Utilities Capital Improvement Funds (\$83,000)

BAR Constructors, Inc., is a local, minority firm, has signed the "Business Inclusion & Development" documentation, and proposes to use the following sub-contractors.

PROJECT CATEGORY: Construction

LOCAL/NON-LOCAL CONTRACT SUMMARY

	<u>Amount</u>	<u>Percent</u>
Total local contracts	\$34,751,737.00	50.90%
Total non-local contracts	\$33,523,263.00	49.10%
TOTAL CONTRACT	\$68,275,000.00	100.00%

LOCAL/NON-LOCAL M/WBE PARTICIPATION

Local Contractors / Sub-Contractors

<u>Local</u>	<u>Certification</u>	<u>Amount</u>	<u>Percent</u>
DFW Aggregates, LLC	HFMB60208N0215	\$200,000.00	0.58%
BAR Constructors, Inc.	HMMB58710Y0914	\$27,610,298.00	79.45%
A-Star Masonry and Stucco, LLC	HMDB61707Y0515	\$762,740.00	2.19%
Fraire's Rebar, Inc.	HMDB62446Y0715	\$575,000.00	1.65%
Berbice Corporation	IMDFW145310115	\$689,743.00	1.98%
QN Management Solutions, Inc.	PMDB62148Y0615	\$10,000.00	0.03%
ALL-Tex Pipe & Supply, Inc.	WFWB60219N0215	\$5,000.00	0.01%
Ram Tool & Supply Company, Inc.	WFWB61372N0416	\$5,000.00	0.01%
Total Minority - Local		\$29,857,781.00	85.92%

Non-Local Contractors / Sub-Contractors

<u>Non-local</u>	<u>Certification</u>	<u>Amount</u>	<u>Percent</u>
Partering For Success, Inc.	HFMB61772Y0516	\$10,000.00	0.03%
MMG Building Services & Construction Services LLC	WFWB62284N0616	\$15,000.00	0.04%
Brock Environmental Services, LLC	WFWB61711Y0516	\$1,000.00	0.00%
Total Minority - Non-local		\$26,000.00	0.08%

TOTAL M/WBE CONTRACT PARTICIPATION

	<u>Local</u>	<u>Percent</u>	<u>Local & Non-Local</u>	<u>Percent</u>
African American	\$0.00	0.00%	\$0.00	0.00%
Hispanic American	\$29,148,038.00	83.88%	\$29,158,038.00	42.71%
Asian American	\$699,743.00	2.01%	\$699,743.00	1.02%
Native American	\$0.00	0.00%	\$0.00	0.00%
WBE	\$10,000.00	0.03%	\$26,000.00	0.04%
Total	\$29,857,781.00	85.92%	\$29,883,781.00	43.77%

BUSINESS INCLUSION AND DEVELOPMENT PLAN SUMMARY

PROJECT: Authorize a professional services contract with Kleinfelder Central, Inc. to provide construction material testing during construction of the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station - Not to exceed \$378,812 - Financing: General Obligation Commercial Paper Funds

Kleinfelder Central, Inc. is a local, non-minority firm, has signed the "Business Inclusion & Development" documentation, and proposes to use the following sub-contractor.

PROJECT CATEGORY: Other Services

LOCAL/NON-LOCAL CONTRACT SUMMARY

	<u>Amount</u>	<u>Percent</u>
Total local contracts	\$378,812.00	100.00%
Total non-local contracts	\$0.00	0.00%
TOTAL CONTRACT	\$378,812.00	100.00%

LOCAL/NON-LOCAL M/WBE PARTICIPATION

Local Contractors / Sub-Contractors

<u>Local</u>	<u>Certification</u>	<u>Amount</u>	<u>Percent</u>
Alliance Geotechnical Group	BMDB59500Y1214	\$94,703.00	25.00%
Total Minority - Local		\$94,703.00	25.00%

Non-Local Contractors / Sub-Contractors

None

TOTAL M/WBE CONTRACT PARTICIPATION

	<u>Local</u>	<u>Percent</u>	<u>Local & Non-Local</u>	<u>Percent</u>
African American	\$94,703.00	25.00%	\$94,703.00	25.00%
Hispanic American	\$0.00	0.00%	\$0.00	0.00%
Asian American	\$0.00	0.00%	\$0.00	0.00%
Native American	\$0.00	0.00%	\$0.00	0.00%
WBE	\$0.00	0.00%	\$0.00	0.00%
Total	\$94,703.00	25.00%	\$94,703.00	25.00%

August 27, 2014

WHEREAS, on November 10, 2008, Resolution No. 08-3133, authorized a professional services contract with HDR Engineering, Inc. to provide engineering design of major flood management and pump station improvement projects included in the 2006 Bond Program; and,

WHEREAS, on April 13, 2011, Resolution No. 11-0961 authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements, also referred to as Able Pump Station, to add items associated with the sump improvements and to comply with the Federal Emergency Management Agency’s redundancy requirements; and,

WHEREAS, on January 10, 2014, Administrative Action No. 14-5250 authorized Supplemental Agreement No. 2 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with recommendations made by the United States Army Corps of Engineers and the Texas Parks and Wildlife Department; and,

WHEREAS, on June 5, 2014, Administrative Action No. 14-6047 authorized Supplemental Agreement No. 3 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with the adoption of the 2012 International Building Code and additional items required by Dallas Water Utilities; and,

WHEREAS, bids were received on July 17, 2014, for the construction of the Levee Drainage System – Sump A Improvements as follows:

<u>BIDDERS</u>	<u>BID AMOUNT</u>
BAR Constructors, Inc.	\$68,275,000.00
Webber, LLC	\$69,234,024.00
PC Construction	\$76,610,000.00
Archer Western	\$77,339,050.00
PCL Construction, Inc.	\$77,743,284.00
Cardinal Contractors, Inc.	\$78,263,200.00
Fru-Con	\$82,400,000.00

August 27, 2014

Now, Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:

Section 1. That the City Manager is hereby authorized to enter into a contract with BAR Constructors, Inc., the construction of Levee Drainage System – Sump A Improvements in an amount not to exceed \$68,275,000, this being the lowest responsive bid as indicated by the tabulation of bids, after it has been approved as to form by the City Attorney.

Section 2. That the City Controller is hereby authorized to disburse funds in accordance with the terms and conditions of the agreement from:

Flood Protection and Storm Drainage Facilities Fund Fund 2U23, Department TWM, Unit S768, Act. FLDM Obj. 4540, Program # TW12S768, CT TWM12S768K1 Vendor #125824, in an amount not to exceed	\$68,192,000.00
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Water Utilities Capital Improvements Fund Fund 2115, Department DWU, Unit PW42, Commodity 91200 Obj. 4550, Program # 714391, CT DWU714391CP Vendor #125824, in an amount not to exceed	<u>\$83,000.00</u>
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Total amount not to exceed	\$68,275,000.00
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Section 3. That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas and it is accordingly so resolved.

August 27, 2014

WHEREAS, it is now necessary to authorize a professional services contract with Kleinfelder Central, Inc. to provide construction material testing during the construction of the Levee Drainage System – Sump A Improvements.

Now, Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:

Section 1. That the City Manager is hereby authorized to execute a professional services contract with Kleinfelder Central, Inc. to provide construction material testing during construction of the Levee Drainage System – Sump A in an amount not to exceed \$378,812.00, after it has been approved as to form by the City Attorney.

Section 2. That the City Controller is hereby authorized to disburse funds in accordance with the terms and conditions of the agreement from:

Flood Protection and Storm Drainage Facilities Fund
Fund 2U23, Department TWM, Unit S768, Act. FLDM
Obj. 4113, Program # TW12S768, CT TWM12S768K4
Vendor #041746, in an amount not to exceed \$378,812.00

Section 3. That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas and it is accordingly so resolved.

AGENDA ITEM # 51

KEY FOCUS AREA: Economic Vibrancy
AGENDA DATE: August 27, 2014
COUNCIL DISTRICT(S): All
DEPARTMENT: Trinity Watershed Management
CMO: Jill A. Jordan, P.E., 670-5299
MAPSCO: Citywide

SUBJECT

Authorize a Facilities Extension Agreement contract with Oncor Electric Delivery Company, LLC., to provide extension of standard delivery system facilities and an alternate feed for electrical power to the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station - Not to exceed \$1,889,415 - Financing: General Obligation Commercial Paper Funds

BACKGROUND

The 2006 and 2012 Bond Programs include design and construction funding for the Levee Drainage System - Sump A Improvements, also referred to as Able Pump Station, which will be located along the south side of Riverfront Boulevard, between the Houston and Jefferson Street viaducts. On November 10, 2008, City Council authorized a professional services contract with HDR Engineering, Inc., to design the Able Pump Station. The project protects nearby properties from frequent flooding and prevents loss of life. The Able Pump Station also provides 100-year flood protection to over three square miles, including 171 acres of highly developable land. The Able Pump Station replaces the existing 1930s and the 1950s Able facilities combined pumping capacity of 220,000 gallons per minute and expands the pumping capacity to 875,000 gallons per minute. Design of the new pump station is currently complete, and construction is planned to begin in September 2014.

BACKGROUND (Continued)

Able Pump Station is designed to have a back up feed of electrical power sources in the event that the primary electrical source is interrupted. A secondary independent back up dual feed power supply from Oncor providing continuous electric supply to operate this critical pump station is required by the United States Army Corp of Engineers (USACE) to continue flood protection and ensure safety to the public in the case of primary power failure. The dual power provides an automatic switchover to a backup power supply in the event the primary power is lost during a flood. The secondary independent power feed enables the City of Dallas Flood Control to continue pumping flood waters into the Trinity River, preventing loss of life and any unnecessary damage to the adjacent properties in the area. This action authorizes Oncor to construct the necessary facilities and infrastructure to provide extension of standard delivery system facilities and an alternate feed for independent dual feed power supply to the Able Pump Station.

ESTIMATED SCHEDULE OF PROJECT

Begin Construction	September 2014
Complete Construction	September 2017

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

Briefed the Trinity River Corridor Project Committee on Levee Drainage System - Sump A (Able Pump Station) on August 5, 2008.

Authorized a professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System - Sump A Improvements on November 10, 2008, by Resolution No. 08-3133.

Briefed the Trinity River Corridor Project Committee on Interior Drainage System – Pump Station Updates on January 18, 2011.

Authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System – Sump A Improvements on April 13, 2011, by Resolution No. 11-0961.

Authorized a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC. to relocate an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial Line on February 12, 2014, by Resolution No. 14-0336.

FISCAL INFORMATION

2012 Bond Program (General Obligation Commercial Paper Funds) - \$1,889,414.53

OWNER(S)

Oncor Electric Delivery Company, LLC.

Bob Shapard, Chairman and Chief Executive Officer

August 27, 2014

WHEREAS, on November 10, 2008, Resolution No. 08-3133 authorized a professional services contract with HDR Engineering, Inc. to provide engineering design of major flood management and pump station improvement projects included in the 2006 Bond Program; and,

WHEREAS, on April 13, 2011, Resolution No. 11-0961 authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements, also referred to as Able Pump Station, to add items associated with the sump improvements and to comply with the Federal Emergency Management Agency's redundancy requirements; and,

WHEREAS, on January 10, 2014, Administrative Action No. 14-5250 authorized Supplemental Agreement No. 2 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with recommendations made by the United States Army Corps of Engineers and the Texas Parks and Wildlife Department; and,

WHEREAS, on June 5, 2014, Administrative Action No. 14-6047 authorized Supplemental Agreement No. 3 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with the adoption of the 2012 International Building Code and additional items required by Dallas Water Utilities; and,

WHEREAS, it is now necessary to authorize the Facilities Extension Agreement contract with Oncor Electric Delivery Company, LLC. for the extension of Standard Delivery System facilities and an alternate feed for each service.

Now, Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:

Section 1. That the City Manager is hereby authorized to execute the Facilities Extension Agreement contract with Oncor Electric Delivery Company, LLC. for construction services for the extension of standard delivery system facilities and an alternate feed for each service for the Able Pump Station in an amount not to exceed \$1,889,414.53 after it has been approved as to form by the City Attorney.

August 27, 2014

Section 2. That the City Controller is hereby authorized to disburse funds in accordance with the terms and conditions of the agreement from:

Flood Protection and Storm Drainage Facilities Fund	
Fund 2U23, Department TWM, Unit S768, Act. FLDM	
Obj. 4540, Program #TW12S768, CT TWM12S768K2	
Vendor #399181, in an amount not to exceed	\$1,889,414.53

Section 3. That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas, and it is accordingly so resolved.

KEY FOCUS AREA: Economic Vibrancy
AGENDA DATE: August 27, 2014
COUNCIL DISTRICT(S): All
DEPARTMENT: Trinity Watershed Management
CMO: Jill A. Jordan, P.E., 670-5299
MAPSCO: Citywide

SUBJECT

Authorize Supplemental Agreement No. 1 to a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC. for additional costs related to the relocation of an existing 138 kilovolt electric transmission tower on Oncor's East Levee-West Industrial Line for the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$116,826, from \$273,174 to \$390,000 – Financing: General Obligation Commercial Paper Funds

BACKGROUND

The 2006 and 2012 Bond Programs include design and construction funding for the Levee Drainage System - Sump A Improvements, also referred to as the Able Pump Station, which will be located along the south side of Riverfront Boulevard, between the Houston and Jefferson Street viaducts. On November 10, 2008, City Council authorized a professional services contract with HDR Engineering, Inc., to design the Able Pump Station. The project protects nearby properties from frequent flooding and prevents loss of life. Able Pump Station also provides 100-year flood protection to over three square miles, including 171 acres of highly developable land. The Able Pump Station replaces the two existing 1930s and 1950s Able facilities combined pumping capacity of 220,000 gallons per minute and expands the pumping capacity of 875,000 gallons per minute.

Design of the new pump station is currently complete, and construction is planned to begin this September. Construction of the new pump station will necessitate the relocation of one of Oncor's 138 kilovolt electric transmission towers on Oncor's East Levee-West Industrial line, which runs along the East Levee of the Trinity River, in the vicinity of the Able Pump Station.

BACKGROUND (Continued)

Oncor's original construction bid for this work expired and it was necessary for Oncor to re-bid the work. The construction bids Oncor received were considerably higher to relocate the tower. This action will authorize Supplemental Agreement No. 1 to a Discretionary Service Agreement between the City and Oncor to relocate an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial line in conjunction with the Able Pump Station Improvements, increasing the amount by \$300,826, from \$273,174 to \$574,000.

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

Briefed the Trinity River Corridor Project Committee on Levee Drainage System - Sump A (Able Pump Station) on August 5, 2008.

Authorized a professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System - Sump A Improvements on November 10, 2008, by Resolution No. 08-3133.

Briefed the Trinity River Corridor Project Committee on Interior Drainage System – Pump Station Updates on January 18, 2011.

Authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System – Sump A Improvements on April 13, 2011, by Resolution No. 11-0961.

Authorized a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC. to relocate an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial Line on February 12, 2014, by Resolution No. 14-0336.

FISCAL INFORMATION

2012 Bond Program - (General Obligation Commercial Paper Funds) - \$116,826.00

Tower Relocation	\$273,174.00
Supplemental Agreement No. 1 (this action)	<u>\$116,826.00</u>
Total Project Cost	\$390,000.00

OWNER

Oncor Electric Delivery Company, LLC.

Bob Shapard, Chairman and Chief Executive Officer

August 27, 2014

WHEREAS, on November 10, 2008, Resolution No. 08-3133 authorized a professional services contract with HDR Engineering, Inc. to provide engineering design of major flood management and pump station improvement projects included in the 2006 Bond Program; and,

WHEREAS, on April 13, 2011, Resolution No. 11-0961 authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements, also referred to as Able Pump Station, to add items associated with the sump improvements and to comply with the Federal Emergency Management Agency's redundancy requirements; and,

WHEREAS, on January 10, 2014, Administrative Action No. 14-5250 authorized Supplemental Agreement No. 2 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with recommendations made by the United States Army Corps of Engineers and the Texas Parks and Wildlife Department; and,

WHEREAS, on February 12, 2014, Resolution No. 14-0336 authorized a Discretionary Service Agreement between the City and Oncor Electric Delivery Company LLC to relocate an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial line in conjunction with the Levee Drainage System – Sump A Improvements; and;

WHEREAS, on June 5, 2014, Administrative Action No. 14-6047 authorized Supplemental Agreement No. 3 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with the adoption of the 2012 International Building Code and additional items required by Dallas Water Utilities; and,

WHEREAS, it is now necessary to authorize Supplemental Agreement No. 1 to the Discretionary Service Agreement between the City and Oncor Electric Delivery Company LLC. for additional costs relating to the relocation of an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial line in conjunction with the Levee Drainage System – Sump A Improvements.

August 27, 2014

Now, Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:

SECTION 1. That the City Manager is hereby authorized to execute Supplemental Agreement No. 1 to the Discretionary Service Agreement between the City and Oncor Electric Delivery Company LLC for additional costs related to the relocation of an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial line in conjunction with the Levee Drainage System – Sump A Improvements in an amount not to exceed \$116,826.00, from \$273,174.00 to \$390,000.00, after it has been approved as to form by the City Attorney.

SECTION 2. That the City Controller is hereby authorized to disburse funds in accordance with the terms and conditions of the agreement from:

Flood Protection and Storm Drainage Facilities Fund	
Fund 2U23, Agency TWM, Unit S768, Activity FLDM	
Object 4154, Program No. PB06T513, CT PBW06T513F1	
Vendor #255302, in an amount not to exceed	\$116,826.00

SECTION 3. That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas, and it is accordingly so resolved.

KEY FOCUS AREA: Economic Vibrancy
AGENDA DATE: August 27, 2014
COUNCIL DISTRICT(S): All
DEPARTMENT: Trinity Watershed Management
CMO: Jill A. Jordan, P.E., 670-5299
MAPSCO: Citywide

SUBJECT

Authorize Supplemental Agreement No. 4 to the professional services contract with HDR Engineering, Inc., for design support services during construction of the Levee Drainage System – Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$1,601,730, from \$9,385,772 to \$10,987,502 – Financing: General Obligation Commercial Paper Funds

BACKGROUND

The 2006 and 2012 Bond Programs include design and construction funding for Able Pump Station, which will be located along the south side of Riverfront Boulevard, between the Houston and Jefferson Street viaducts. On November 10, 2008, City Council authorized a professional services contract with HDR Engineering, Inc., to design the Able Pump Station. The project protects nearby properties from frequent flooding and prevents loss of life. Able Pump Station also provides 100-year flood protection to over three square miles, including 171 acres of highly developable land. The Able Pump Station replaces the existing 1930s and 1950s Able facilities combined pumping capacity of 220,000 gallons per minute and expands the pumping capacity to 875,000 gallons per minute.

Construction for Able Pump Station is scheduled to begin this September. As the engineer of record, it is necessary to have HDR Engineering, Inc., to perform additional design services during construction, including submittal review, to ensure compliance with the contract documents and address any engineering design issues that may arise during construction. This action will authorize Supplemental Agreement No. 4 with HDR Engineering, Inc., for design support services during the construction of Able Pump Station.

ESTIMATED SCHEDULE OF PROJECT

Begin Construction	September 2014
Complete Construction	September 2017

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

Briefed the Trinity River Corridor Project Committee on Levee Drainage System - Sump A (Able Pump Station) on August 5, 2008.

Authorized a professional services contract with HDR Engineering, Inc. for design of the Levee Drainage System - Sump A Improvements on November 10, 2008, by Resolution No. 08-3133.

Briefed the Trinity River Corridor Project Committee on Interior Drainage System – Pump Station Updates on January 18, 2011.

Authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for design of the Levee Drainage System – Sump A Improvements on April 13, 2011, by Resolution No. 11-0961.

Authorized a Discretionary Service Agreement between the City and Oncor Electric Delivery Company, LLC. to relocate an existing 138 kilovolt electric transmission on Oncor's East Levee-West Industrial Line on February 12, 2014 by Resolution No. 14-0336.

FISCAL INFORMATION

2012 Bond Program (General Obligation Commercial Paper Funds) - \$1,601,730.00

Design Contract (TWM)	\$ 4,333,000.00
Supplemental Agreement No. 1	\$ 5,052,772.00
Supplemental Agreement No. 2	\$ 0.00
Supplemental Agreement No. 3	\$ 0.00
Supplemental Agreement No. 4 (this action)	<u>\$ 1,601,730.00</u>
Total Project Cost	\$10,987,502.00

M/WBE INFORMATION

See attached.

ETHNIC COMPOSITION

HDR Engineering, Inc.

Hispanic Female	4	Hispanic Male	11
African-American Female	2	African-American Male	5
Other Female	5	Other Male	12
White Female	43	White Male	126

OWNER

HDR Engineering, Inc.

Ramon Miguez, P.E., Senior Vice President

BUSINESS INCLUSION AND DEVELOPMENT PLAN SUMMARY

PROJECT: Authorize Supplemental Agreement No. 4 to the professional services contract with HDR Engineering, Inc., for design support services during construction of the Levee Drainage System – Sump A Improvements, also referred to as the Able Pump Station – Not to exceed \$1,601,730, from \$9,385,772 to \$10,987,502 – Financing: General Obligation Commercial Paper Funds

HDR Engineering, Inc. is a local, non-minority firm, has signed the "Business Inclusion & Development" documentation, and proposes to use the following sub-contractors.

PROJECT CATEGORY: Professional Services

LOCAL/NON-LOCAL CONTRACT SUMMARY - THIS ACTION ONLY

	<u>Amount</u>	<u>Percent</u>
Local contracts	\$1,601,730.00	100.00%
Non-local contracts	\$0.00	0.00%
TOTAL THIS ACTION	\$1,601,730.00	100.00%

LOCAL/NON-LOCAL M/WBE PARTICIPATION THIS ACTION

Local Contractors / Sub-Contractors

<u>Local</u>	<u>Certification</u>	<u>Amount</u>	<u>Percent</u>
Technical Associates Services, Inc.	BMDB62618Y0715	\$10,560.00	0.66%
Urban Engineers Group, Inc.	HFDB62721Y0715	\$44,660.00	2.79%
GSR Andrade Architects, Inc.	HMSCT213030315	\$111,635.00	6.97%
Campos Engineering, Inc.	HMDB6004670215	\$22,145.00	1.38%
Gupta & Associates, Inc.	PMMB62419Y0716	\$211,331.00	13.19%
Caye Cook & Associates	WFWB62079Y0616	\$12,430.00	0.78%
Total Minority - Local		\$412,761.00	25.77%

Non-Local Contractors / Sub-Contractors

None

TOTAL M/WBE PARTICIPATION

	This Action		Participation to Date	
	<u>Amount</u>	<u>Percent</u>	<u>Amount</u>	<u>Percent</u>
African American	\$10,560.00	0.66%	\$660,560.00	6.01%
Hispanic American	\$178,440.00	11.14%	\$1,428,064.00	13.00%
Asian American	\$211,331.00	13.19%	\$819,331.00	7.46%
Native American	\$0.00	0.00%	\$0.00	0.00%
WBE	\$12,430.00	0.78%	\$262,318.00	2.39%
Total	\$412,761.00	25.77%	\$3,170,273.00	28.85%

August 27, 2014

WHEREAS, on November 10, 2008, Resolution No. 08-3133, authorized a professional services contract with HDR Engineering, Inc. to provide engineering design of major flood management and pump station improvement projects included in the 2006 Bond Program; and,

WHEREAS, on April 13, 2011, Resolution No. 11-0961 authorized Supplemental Agreement No. 1 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements, also referred to as Able Pump Station, to add items associated with the sump improvements and to comply with the Federal Emergency Management Agency's redundancy requirements; and,

WHEREAS, on January 10, 2014, Administrative Action No. 14-5250 authorized Supplemental Agreement No. 2 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with recommendations made by the United States Army Corps of Engineers and the Texas Parks and Wildlife Department; and,

WHEREAS, on June 5, 2014, Administrative Action No. 14-6047 authorized Supplemental Agreement No. 3 to the professional services contract with HDR Engineering, Inc., for additional design services on the Levee Drainage System – Sump A Improvements to comply with the adoption of the 2012 International Building Code and additional items required by Dallas Water Utilities; and,

WHEREAS, it is now necessary to authorize Supplemental Agreement No. 4 to the professional services contract with HDR Engineering, Inc., for design support services during construction.

Now, Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DALLAS:

Section 1. That the City Manager is hereby authorized to execute Supplemental Agreement No. 4 to the contract with HDR Engineering, Inc., for design support services during construction of Levee Drainage System – Sump A Improvements in an amount not to exceed \$1,601,730.00, from \$9,385,772.00 to \$10,987,502.00 after it has been approved as to form by the City Attorney.

August 27, 2014

Section 2. That the City Controller is hereby authorized to disburse funds in accordance with the terms and conditions of the agreement from:

Flood Protection and Storm Drainage Facilities Fund
Fund 2U23, Department TWM, Unit S768, Act. FLDM
Obj. 4111, Program # PB06T513, CT PBW06T513B1
Vendor #181219, in an amount not to exceed \$1,601,730.00

Section 3. That this resolution shall take effect immediately from and after its passage in accordance with the provisions of the Charter of the City of Dallas, and it is accordingly so resolved.