

**City Council
Agenda Memo**



**City Council
Meeting Date: 04-09-2015**

TO: David A. Vela, Interim City Manager

FROM: Jon James, Director of Development Services

**SUBJECT: Resolution of Support for the submittal of a TxDOT Transportation Alternatives Program
"US 277 Pedestrian & Bicycle Safety Project"**

GENERAL INFORMATION

The Texas Department of Transportation announced a 2015 call for projects for the Transportation Alternatives Program (TAP). This program provides funding for a variety of alternative transportation projects, including on-and off-road pedestrian and bicycle facilities, infrastructure for non-driver access to public transportation, projects that enhance mobility and Safe Routes to School infrastructure projects. An estimated \$52 million in federal funds is anticipated to be available to fund authorized pedestrian and bicycle infrastructure projects submitted under this call for projects. The project application deadline is 5:00 p.m. on May 4, 2015.

Staff recommends a project for this program called the "US 277 Pedestrian & Bicycle Safety Project". This project will include a pedestrian/bike path along US 277 from Clack Street to Rebecca Lane; sidewalk connections along the southeast side of US 277 from Danville Dr to Clack St, along the northwest side of US 277 from Danville Dr to Texas Ave, and along the north side of Texas Ave from US 277 to Corsicana Ave; a bike lane on Texas Ave from US 277 to Dub Wright Blvd.; intersection improvements with pedestrian islands, signal upgrades, and pavement marking improvements; and a portion of the sidewalks along Clack Street connecting to the Elm Creek bridge project. The project will provide safer bicycle and pedestrian connections to Bassetti Elementary School and Clack Middle School and will create a much-improved pedestrian and bicycle network within this area with connections from many apartments and homes to schools and retail areas.

FUNDING/FISCAL IMPACT

The resolution includes a commitment to provide a local funding match of at least 20% of the allowable costs of the project. The local funding match is a cash match or an approved in-kind contribution. The City agrees to commit to the project's development, implementation, construction, maintenance, management, and financing and also be willing to enter into an agreement with the department by resolution or ordinance should the project receive TAP funding. The total project cost is estimated at \$2,043,562.26 with the City's local match consisting of \$408,712.45, which will come from designated sidewalk funds from the Capital Improvements Plan (CIP) and/or the Bond Election.

STAFF RECOMMENDATION

Staff recommends moving forward with the application for the "US 277 Pedestrian & Bicycle Safety Project".

ATTACHMENTS

Resolution
Program Overview
Preliminary Cost Estimate
Project Site Map

Prepared by: Name <u>Jon James</u>	Item No. <u>6.1</u>	Disposition by City Council <input type="checkbox"/> Approved Ord/Res# _____ <input type="checkbox"/> Denied _____ <input type="checkbox"/> Other _____ City Secretary
Title <u>Director of Planning & Development</u>		

RESOLUTION NO. _____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS
AUTHORIZING THE FILING OF AN APPLICATION WITH THE TEXAS DEPARTMENT OF
TRANSPORTATION (TXDOT) FOR THE TRANSPORTATION ALTERNATIVES PROGRAM**

WHEREAS, The Transportation Alternatives Program (TAP) Program is federally funded through the Surface Transportation Program, administered by the Texas Department of Transportation (TxDOT) for the Federal Highway Administration (FHWA) of the U.S. Department of Transportation (USDOT); and,

WHEREAS, The Transportation Alternatives Program provides funding for a variety of alternative transportation projects, including on-and off-road pedestrian and bicycle facilities, infrastructure for non-driver access to public transportation, projects that enhance mobility and Safe Routes to School infrastructure projects; and,

WHEREAS, The Transportation Alternatives Program expands transportation choices and enhances the transportation experience through non-traditional transportation projects; and,

WHEREAS, The *US 277 Pedestrian & Bicycle Safety Project* will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs and encourage the overall safety of the traveling public; and,

WHEREAS, The *US 277 Pedestrian & Bicycle Safety Project* facilitates and enhances children's health and well-being, eases traffic congestion near the school and improves air quality and improves community members' overall quality of life.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:

Part 1. That the City Manager is authorized to act on behalf of the City of Abilene in all matters related to the application and any subsequent activities associated with the application that may result, including but not limited to submission of the application, acceptance of the funds if awarded, and execution of all documents.

Part 2. That the City of Abilene supports funding this project as described in the TAP 2015 Nomination Form (including the construction budget, the department's 15% administrative costs, and the required local match) and is willing to commit to the project's development, implementation, construction, maintenance, management, and financing. The funding of this project consists of a local match of \$408,712.45 toward a total project cost of \$2,043,562.26.

Part 3. That the City of Abilene is willing and able to enter into an agreement with TxDOT by resolution or ordinance should the project receive TAP funding.

Part 4. This resolution is effective upon adoption.

ADOPTED this 9th day of April, 2015.

ATTEST:

Danette Dunlap, City Secretary

Norman Archibald, Mayor

APPROVED:

T. Daniel Santee, City Attorney

TAP Program Overview

- The Transportation Alternatives Program (TAP) was authorized under Section 1122 of the Moving Ahead for Progress in the 21st Century Act (MAP-21).
 - In Texas the Statewide TAP operates under rules adopted by the Texas Transportation Commission, and focuses on non-traditional transportation projects related to the surface transportation system.
- An estimated \$52 million (Federal Fiscal Years 2013, 2014, 2015, and 2016) is anticipated to be available to fund authorized TAP projects in this Call for Projects.
- Federal TAP funds are provided through the FHWA, and any projects deemed eligible must be included in the Transportation Improvement Program (TIP) and Statewide Transportation Improvement Program (STIP), have a fully executed Advance Funding Agreement (between the project sponsor and the department), and the department must receive the project sponsor's local match in cash.
- Eligible entities to act as project sponsors and receive TAP funds include Local governments, Regional transportation authorities, Transit agencies, Natural resource or public land agencies, School districts, local education agencies, or schools, Tribal governments, and any other local or regional governmental entity with responsibility for oversight of transportation or recreational trails
 - State DOTs and MPOs are not eligible entities, but may partner with an eligible project sponsor to carry out a project.
- Eligible TAP Project Activities Include:
 - Construction of on-road and off-road trail facilities for pedestrians, bicyclists, and other nonmotorized forms of transportation, including sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting, and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990;
 - Construction of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs;
 - Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized transportation users; and
 - Construction of infrastructure-related projects to improve the ability of students to walk and bicycle to school, including sidewalk improvements, traffic calming and speed reduction improvements, pedestrian and bicycle crossing improvements, on-street bicycle facilities, off-street bicycle and pedestrian facilities, secure bicycle parking facilities, and traffic diversion improvements in the vicinity of schools.
- The department is particularly interested in projects embodying collaboration and community consensus while meeting safety and connectivity goals of:
 - Maintaining a safe system
 - Improving roadway crossings/traffic signals, considering individuals and transportation users with special needs
 - Addressing congestion
 - Implementing traffic calming measures, providing infrastructure, introducing any necessary crossings under or over barriers
 - Connecting Texas communities
 - Enhancing local or regional connections, increasing transit access, linking community facilities and neighborhoods
 - Becoming best in class state agency
- TAP projects considered for funding should demonstrate noticeable project readiness, through evident community support and collaboration, and also encourage outreach to and involvement with others.



Public Works
Engineering / Inspection Services
Abilene, Texas 79604
 (325) 676-6281 fax (325) 676-6460

Opinion of Cost (Overall Proposal)

Project

Name: Overall Proposal (Hwy 277, Texas Ave., S. Clack St.)
 Project Number: N/A

Date: 3/3/2015

Prepared By:

BID ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT	TOTAL
				PRICE	PRICE
100	Prepare Right of Way	STA	175.50	\$570.00	\$100,035.00
420-1	Concrete Structures (Driveway/Alley Apron)	SY	1035.00	\$64.00	\$66,240.00
420-2	Concrete Structures (Culvert Extension)	CY	4.00	\$443.00	\$1,772.00
420-3	Concrete Structures (Bus Pads)	EA	3.00	\$800.00	\$2,400.00
500	Mobilization	LS	1.00	\$102,250.00	\$102,250.00
502	Barricades, signs and Traffic Handling	MO	10.00	\$2,875.00	\$28,750.00
529	Curb, Gutter, and combined Curb and Gutter	LF	200.00	\$23.00	\$4,600.00
531-1	Sidewalk (5' Pedestrian Path)	SF	24400.00	\$7.90	\$192,760.00
531-2	Sidewalk (10' Multi-use Path)	SF	83790.00	\$7.90	\$661,941.00
531-3	Curb Ramps	SF	5910.00	\$23.00	\$135,930.00
531-4	Concrete Flume Covers (Steel Grate)	SF	100.00	\$40.00	\$4,000.00
682-1	Pedestrian Signal System (Complete)	EA	6.00	\$23,000.00	\$138,000.00
SPL	Incidental (Includes Drainage, Survey, and Engineering Cost)	LS	1.00	\$389,082.56	\$389,082.56
				Total	\$1,827,760.56
* Plan Quantity Item				TxDOT oversight 15% Minus Incidental	\$ 215,801.70
				Grand Total	\$ 2,043,562.26

Notes:

- Included on this opinion of cost are three segments of a project, for individual breakdowns please refer to individual sheets.
- This opinion of cost is for estimating purposes only when the project bids separate segments may be bid out a add alternates that can be accepted or denied based upon available funding.

DISCLAIMER:
 SINCE ENGINEERING HAS NO CONTROL OVER THE COST OF LABOR, MATERIALS, OR EQUIPMENT, OR OVER THE CONTRACTOR(S) METHODS OF DETERMINING PRICES, OR OVER COMPETITIVE BIDDING OR MARKET CONDITIONS, HIS OPINIONS OF PROBABLE PROJECT COST, CONSTRUCTION COST, OR TYPICAL COSTS PROVIDED HEREIN ARE MADE ON THE BASIS OF HIS EXPERIENCE AND QUALIFICATIONS AND REPRESENT HIS BEST JUDGEMENT AS A DESIGN PROFESSIONAL FAMILIAR WITH THE CONSTRUCTION INDUSTRY, BUT ENGINEER CANNOT AND DOES NOT GUARANTEE THAT PROPOSALS, BIDS, OR THE CONSTRUCTION COST WILL NOT VARY FROM OPINIONS OF COST PREPARED BY HIM.



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Opinion of Cost

Project
Name: HWY 277 Hike & Bike Trail
Project Number: N/A

Date: 3/3/2015

Prepared By:

BID ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT	TOTAL
				PRICE	PRICE
100	Prepare Right of Way	STA	97.50	\$570.00	\$55,575.00
420-1	Concrete Structures (Driveway/Alley Apron)	SY	500.00	\$64.00	\$32,000.00
500	Mobilization	LS	1.00	\$83,000.00	\$83,000.00
502	Barricades, signs and Traffic Handling	MO	5.00	\$2,875.00	\$14,375.00
529	Curb, Gutter, and combined Curb and Gutter	LF	200.00	\$23.00	\$4,600.00
531-1	Sidewalk (5' Pedestrian Path)	SF	7800.00	\$7.90	\$61,620.00
531-2	Sidewalk (10' Multi-use Path)	SF	83790.00	\$7.90	\$661,941.00
531-3	Curb Ramps	SF	4610.00	\$23.00	\$106,030.00
531-4	Concrete Flume Covers (Steel Grate)	SF	100.00	\$40.00	\$4,000.00
682-1	Pedestrian Signal System (Complete)	EA	3.00	\$23,000.00	\$69,000.00
SPL	Incidental (Includes Drainage, Survey, and Engineering Cost)	LS	1.00	\$291,750.00	\$291,750.00
				Total	\$1,383,891.00
				TxDOT oversight 15% Minus Incidental	\$ 163,821.15
				Grand Total	\$ 1,547,712.15

* Plan Quantity Item

Notes:

1. This estimate is based upon completing a 10' wide pedestrian facility from Dub Wright Blvd. to Clack St., a 5' sidewalk from Clack St. to Danville on the South side of 277, and a 5' sidewalk from Texas Ave. to Danville Dr. on the North Side, this will include the following a continuous ten foot sidewalk, a continuous five foot sidewalk, curb ramps, curb and gutter close unutilized driveways, construction of selected driveway and alley aprons to maintain ADA slope compliant sidewalk, and pedestrian traffic signal facilities.

2. The unit prices for this opinion of cost were taken from multiple sources including actual bid prices on the S. 1st Enhancement Project and the TxDOT Average Low Bid Unit Price website.

3. Hwy 277 has an 18' Parkway Width from Face of Curb to edge of Right of Way

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Opinion of Cost

Project
Name: Texas Ave. Hike & Bike Trail
Project Number: N/A

Date: 3/3/2015

Prepared By:

BID ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT	TOTAL
				PRICE	PRICE
100	Prepare Right of Way	STA	60.00	\$570.00	\$34,200.00
420-1	Concrete Structures (Driveway/Alley Apron)	SY	375.00	\$64.00	\$24,000.00
420-2	Concrete Structures (Culvert Extension)	CY	4.00	\$443.00	\$1,772.00
500	Mobilization	LS	1.00	\$13,250.00	\$13,250.00
502	Barricades, signs and Traffic Handling	MO	3.00	\$2,875.00	\$8,625.00
531-1	Sidewalk (5' Pedestrian Path)	SF	8250.00	\$7.90	\$65,175.00
531-3	Curb Ramps	SF	800.00	\$23.00	\$18,400.00
682-1	Pedestrian Signal System (Complete)	EA	2.00	\$23,000.00	\$46,000.00
SPL	Incidental (Includes Drainage, Survey, and Engineering Cost)	LS	1.00	\$61,232.56	\$61,232.56
				Total	\$ 272,654.56
				TxDOT oversight 15% Minus Incidental	\$ 31,713.30
				Grand Total	\$ 304,367.86

* Plan Quantity Item

Notes:

- This estimate is based upon completing an 5' wide pedestrian facility from Corsicana Ave. to Hwy 277 and a bike lane from Dub Wright Blvd. to Hwy 277 this will include the following a continuous five foot sidewalk, curb ramps, construction of selected driveway and alley aprons to maintain ADA slope compliant sidewalk, restriping, signage, and pedestrian traffic signal facilities.
- The unit prices for this opinion of cost were taken from multiple sources including actual bid prices on the S. 1st Enhancement Project and the TxDOT Average Low Bid Unit Price website.
- Texas Ave. has an 8' Parkway Width from the Face of Curb to edge of Right of Way
- Bike Lane associated items are included into Incidental Cost.

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Opinion of Cost

Project

Name: Clack St. Hike & Bike Trail
 Project Number: N/A

Date: 3/3/2015

Prepared By:

BID ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT	TOTAL
				PRICE	PRICE
100	Prepare Right of Way	STA	18.00	\$570.00	\$10,260.00
420-1	Concrete Structures (Driveway/Alley Apron)	SY	160.00	\$64.00	\$10,240.00
420-3	Concrete Structures (Bus Pads)	EA	3.00	\$800.00	\$2,400.00
500	Mobilization	LS	1.00	\$6,000.00	\$6,000.00
502	Barricades, signs and Traffic Handling	MO	2.00	\$2,875.00	\$5,750.00
531-1	Sidewalk (5' Pedestrian Path)	SF	8350.00	\$7.90	\$65,965.00
531-3	Curb Ramps	SF	500.00	\$23.00	\$11,500.00
682-1	Pedestrian Signal System (Complete)	EA	1.00	\$23,000.00	\$23,000.00
SPL	Incidental (Includes Drainage, Survey, and Engineering Cost)	LS	1.00	\$36,100.00	\$36,100.00
				Total	\$ 171,215.00
				TxDOT oversight 15% Minus Incidental	\$ 20,267.25
				Grand Total	\$ 191,482.25

* Plan Quantity Item

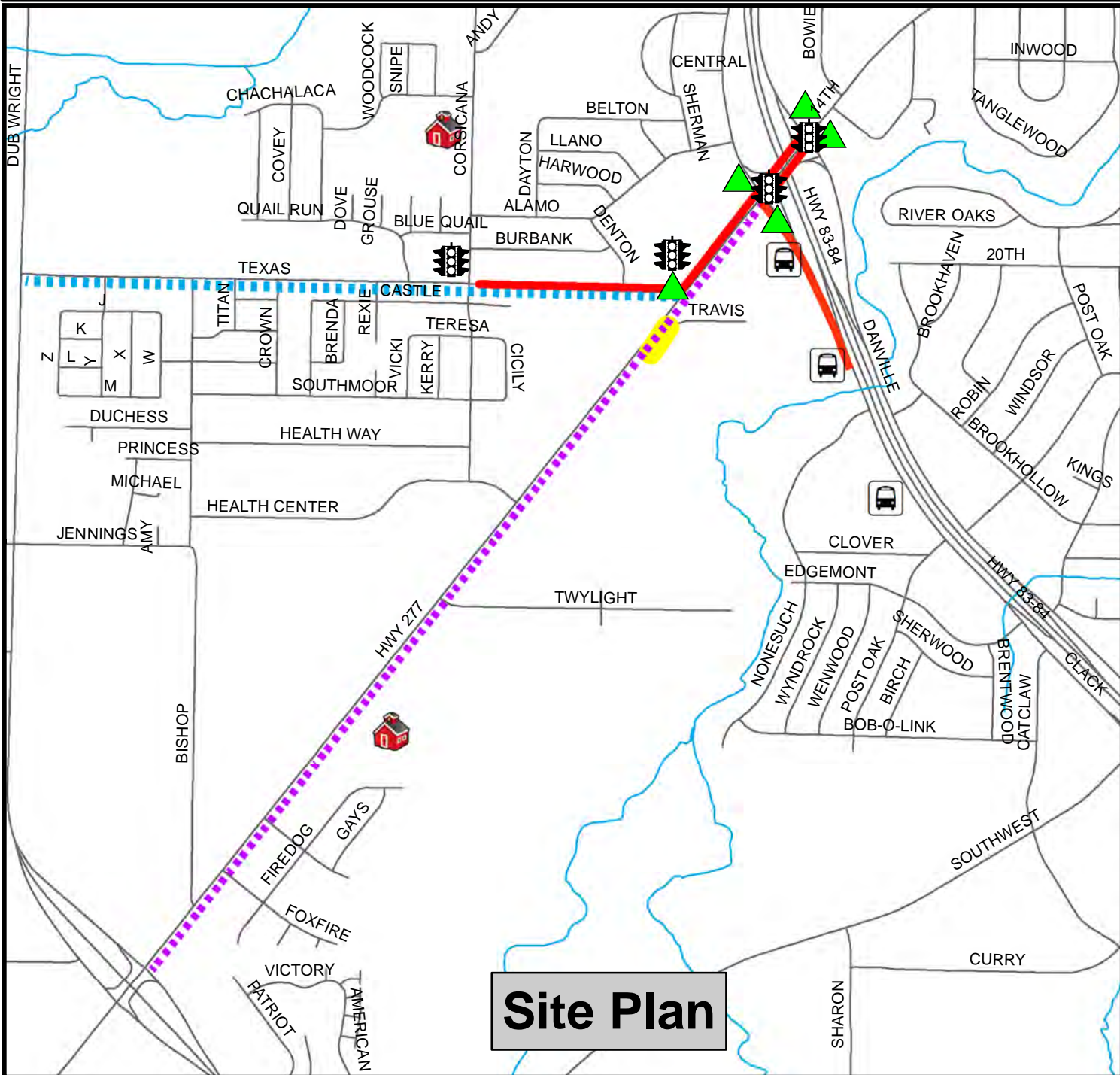
Notes:

- This estimate is based upon completing a 5' wide pedestrian facility from Hwy 277 S. to the 2058 S. Clack St., this will include the following a continuous five foot sidewalk, curb ramps, construction of selected driveway and alley aprons to maintain ADA slope compliant sidewalk, bus stop pads, and pedestrian traffic signal facilities.
- The unit prices for this opinion of cost were taken from multiple sources including actual bid prices on the S. 1st Enhancement Project and the TxDOT Average Low Bid Unit Price website.
- Clack St. has a variable Parkway Width from Face of Curb to edge of Right of Way

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US 277 Pedestrian & Bicycle Safety Project

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Site Plan

Projects To Be Constructed

-  Traffic Signals Improvements
-  Proposed Islands
-  Proposed Sidewalk
-  Proposed Lane
-  Proposed Path
-  ADA Culvert Bridge

Legend

-  School
-  Bus Shelters

