

183A South Brushy Creek Pedestrian Bridge

Background:

The Central Texas Regional Mobility Authority (CTRMA) is coordinating with Williamson County, Leander and Cedar Park to plan, design and construct a shared use path for bicycles and pedestrians along 183A. The facility originates on the north bank of South Brushy Creek and extends northward to the San Gabriel River, a distance of approximately 10.3 miles.

The 183A bicycle pedestrian pathway is an integral component of a developing network of trails that provide connections between the communities of Cedar Park, Austin and Leander. The bicycle pedestrian pathway will link residential areas with elementary and middle schools, the Cedar Park Town Center, and 1890 Ranch, which has entertainment, employment and shopping activities. CTRMA will commence the construction of phase 1, which begins at the north bank of South Brushy Creek and extends north to FM 1431, in early 2010. Additional opportunities to provide pedestrian/bicycle connections for the region including Round Rock can be realized with the construction of a pedestrian bridge over South Brushy Creek. The bridge would connect the 183A Shared Use Path with Williamson County's South Brushy Creek Regional Trail thus providing safe pedestrian/bicycle access and travel throughout the Cedar Park, Leander and Austin's Avery Ranch community.

The South Brushy Creek Bridge Pedestrian Bridge

CTRMA is proposing a partnership with Williamson County to pursue federal funds through TxDOT's Transportation Enhancement Program to accomplish construction of the South Brushy Creek Pedestrian Bridge. Since the project is in multiple jurisdictions, Williamson County is eligible to nominate this important link in the region's pedestrian bicycle network for federal funding. In order to participate in the program, a 20% local match is required. CTRMA is proposing to develop the project nomination form and to provide funding along with Williamson County to meet the required 20% local match.

The bridge is designed as an AASHTO compliant pedestrian/bicycle facility and will be constructed within CTRMA ROW. In addition to providing partial funding, CTRMA will provide environmental, design and construction administration services for the project. CTRMA will work closely with the project partners to provide maintenance in perpetuity for the facility.

The construction phase is estimated to cost \$568,300. TxDOT requires an additional 15% administrative cost be added to the project (\$85,245) which results in a project total of \$653,545. The 20% local match total is \$130,709.

Transportation Enhancement Project Nomination – Due Dec. 11, 2009

- CTRMA develops nomination form with Williamson County identified as the nominator.
- Williamson County Commissioners Court adopts a resolution confirming project participation/nomination and funding commitment of an amount not to exceed \$65,000 toward the 20% match.
- CTRMA furnishes resolution confirming project participation, and all remaining local match funding of \$65,000 to meet the 20% commitment.
- MPO furnishes letter supporting project.
- City of Cedar Park furnishes resolution supporting project.

Williamson County Shared Use Path Construction Estimate Bridge and Associated Approaches For South Brushy Creek Crossing

HNTB Corporation

THIS ESTIMATE REPRESENTS OUR JUDGMENT AS PROFESSIONALS FAMILIAR WITH THE CONSTRUCTION INDUSTRY. WE CANNOT AND DO NOT GUARANTEE THAT BIDS WILL NOT VARY FROM THIS ESTIMATE. ESTIMATE IS BASED ON 2010 DOLLARS.

DESCRIPTION

335 LF - 10' Shared Use Path and Bridge to Connect 183A Shared Use Path to Williamson County Shared-Use Path

ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
REMOVALS	PREP ROW	STA	\$ 1,100.00	4	\$ 4,400
EARTHWORK	EXCAVATION	CY	\$ 27.50	1,000	\$ 27,500
	EMBANK	CY	\$ 20.00	200	\$ 4,000
PATH	CONCRETE PAVEMENT	CY	\$ 94.00	50	\$ 5,000
	FLEX BASE	CY	\$ 60.00	50	\$ 3,000
SUBTOTAL I (REMOVALS, EARTHWORK, ROADWAY)					\$ 43,900
DRAINAGE	DRAINAGE (40% OF SUBTOTAL I)				\$ 17,600
SUBTOTAL II (REMOVALS, EARTHWORK, ROADWAY, DRAINAGE)					\$ 61,500
STRUCTURES	BRIDGE STRUCTURE	SF	\$ 120.00	2,800	\$ 336,000
	RETAINING WALL W/ Hand Rail	SF	\$ 60.00	160	\$ 9,600
SUBTOTAL III (STRUCTURES)					\$ 345,600
SUBTOTAL IV (I+II+III)					\$ 451,000
	PAV MRK/SIGNS (7% OF SUBTOTAL IV)				\$ 31,600
	LANDSCAPING (9% OF SUBTOTAL IV)				\$ 40,600
	MOBILIZATION/OVERHEAD (10% OF SUBTOTAL IV)				\$ 45,100
SUBTOTAL V (MISCELLANEOUS)					\$ 117,300
TOTAL PROJECT ESTIMATE					\$ 568,300