

# **Duval County Road Improvements Project for County Road 401**

## **SCOPE OF WORK**

**Duval County is applying for a grant of \$10,000,000.00 from the Community Development Block Grant Mitigation (CDBG-MIT) 2015 Flood Competition funds, administered by the Texas General Land Office (GLO).**

**The proposed Duval County Road Improvements Project for County Road 401 includes roadway improvements with installation of eight (8) low water crossings, 2-foot road base build-up, surface paving, grade improvements, and earth work within the watershed to improve storm water management at crossing sites. The County Road 401 project area includes 12.7 miles from the Navy's Relocatable Over-the-Horizon Radar (ROTHR) site to State Route 44. Strengthening the region's physical infrastructure and enhancing transportation connectivity are addressed in the Coastal Bend Council of Governments 2016 Comprehensive Economic Development Strategy (Revised July 2019). The proposed improvements will allow the road to be traversed and passable during inclement weather.**

**The project costs include \$9,986,708.00 in road improvement costs, and \$13,292 in administrative costs.**

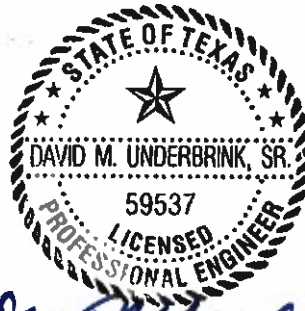
**Public comments about the proposed project are welcome and encouraged. Please submit public comments to [disaster\\_recovery@aacog.com](mailto:disaster_recovery@aacog.com) no later than noon, October 28, 2020.**



INDEPENDENT COST ESTIMATE FOR CR 401

20L0060  
June 25, 2020

Description	Apprx Qty	Unit	Unit Price	Totals	Budget
ROADWAY IMPROVEMENT WITH LOW WATER CROSSINGS				\$ 8,646,500.00	\$ 9,986,707.50
1 LRA BASE (MATERIALS & CONSTRUCTION)	90000	TON	\$ 36.00	\$ 3,240,000.00	\$ 3,742,200.00
2 2 COURSE SURFACE TREATMENT	12.7	MILE	\$ 75,000.00	\$ 952,500.00	\$ 1,100,137.50
3 MISC LOW WATER CROSSINGS (\$100,000 per crossing)	8	EA	\$ 100,000.00	\$ 800,000.00	\$ 924,000.00
4 GEOGRID TRIAX TX 5	194000	SY	\$ 3.00	\$ 582,000.00	\$ 672,210.00
5 EMBANKMENT LOCAL FILL	192000	TON	\$ 16.00	\$ 3,072,000.00	\$ 3,548,180.00
<b>CONSTRUCTION COST</b>				\$ 8,646,500.00	\$ 9,986,707.50
<b>ENGINEERING COST (10%)</b>				\$ 864,650.00	
<b>SUBTOTAL</b>				\$ 9,511,150.00	
<b>CONTINGENCY (5%)</b>				\$ 475,557.50	
<b>OVERALL COST</b>				\$ 9,986,707.50	
<b>ROADWAY COST PER MILE</b>				\$ 786,354.92	
<b>TOTAL SY</b>				193,717	
<b>COST PER SY</b>				\$ 51.55	



*David M. Underbrink, Sr.*



# **BUDGET SUPPLEMENT**

## **Duval County Road Improvements Project for County Road 401**

<b>CDBG-MIT Competition Funds</b>	<b>\$ 10,000,000.00</b>
<b>Grant Administrator</b>	<b>\$ 13,292.00</b>
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<b>TOTAL GRANT APPLICATION AMOUNT:</b>	<b>\$10,000,000.00</b>

## **SOURCES OF FUNDING**

### **Duval County Road Improvements Project for County Road 401**

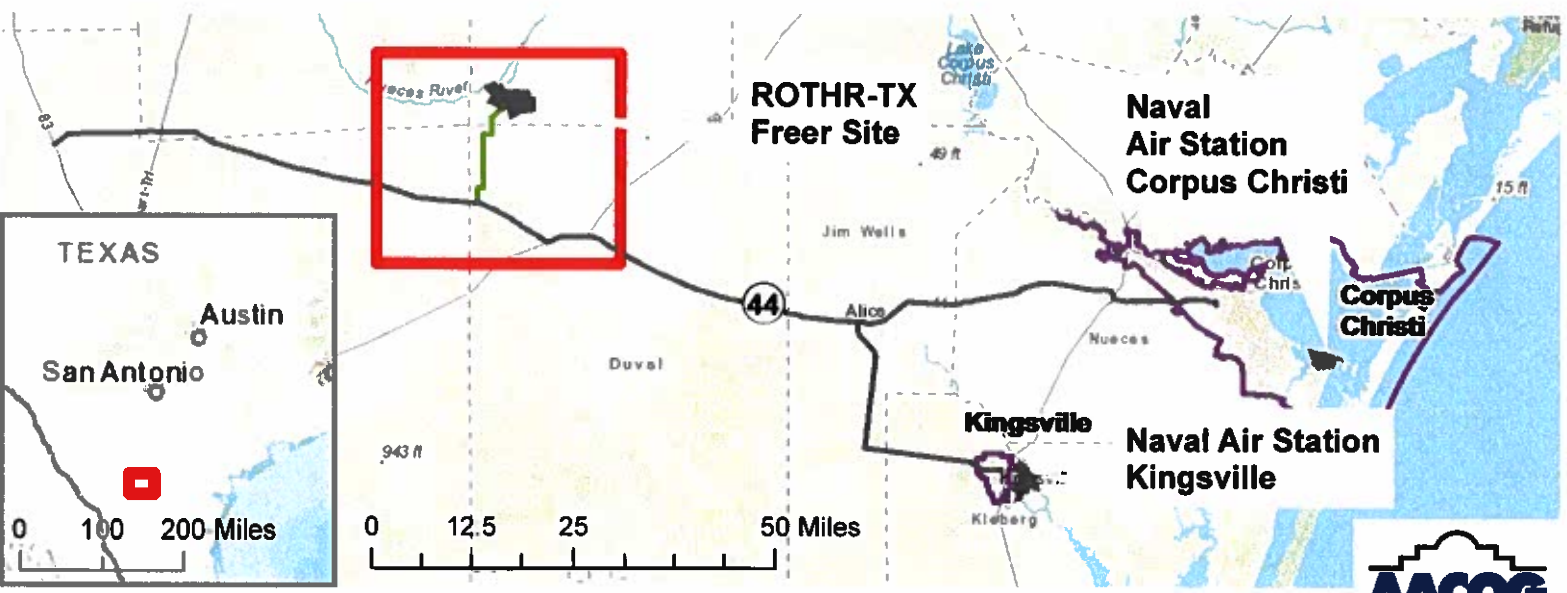
<b>CDBG-MIT Competition Funds</b>	<b>\$ 10,000,000.00</b>
<b>Duval and McMullen Counties</b>	<b>\$ 780,000.00*</b>
<b>Grant Administrator</b>	<b>\$ 125,000.00**</b>
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<b>TOTAL:</b>	<b>\$ 10,905,000.00</b>

\*Future road maintenance is estimated at \$260,000.00 in year 3 and \$520,000.00 in year 5.

\*\*Anticipated that Grant Administrator will provide direct administrative costs over course of the grant.

Also worth noting: McMullen County paid \$20,000.00 for project scope and budget estimate.

# Relocatable Over-the-Horizon Radar Texas (ROTHR-TX) Site



Source: TNRIS, TXDOT, DoD, ESRI  
Date: 10132020

## **NATIONAL OBJECTIVE: Urgent Need Mitigation (UNM)**

### **Duval County Road Improvements Project for County Road 401**

**The Duval County Road Improvements Project for County Road 401 (CR401) addresses, meets and furthers one of the U.S. Department of Housing and Urban Development's (HUD) national objectives – Urgent Need Mitigation.**

**Texas County Road 401 (CR 401) traverses southern McMullen County and northern Duval County. This 12.7-mile road is the only service road between the Navy's Relocatable Over-the-Horizon Radar (ROTHR) and its parent headquarters, Forces Surveillance Support Center (FSSC) Texas at Naval Air Station Kingsville. CR401 is essential to maintain mission readiness of the ROTHR-Texas site. The ROTHR site provides wide-area air and sea surveillance to military and law enforcement agencies; and is critical to national security. CR401 is necessary for civilian employees, contractors, and support personnel to use daily to access the receiver site from State Route 44 in northwestern Duval County. Federal government vehicle traffic alone averages 240 round-trips monthly between the ROTHR site and State Route 44; moving over 300 assigned personnel who operate and maintain the site, and deliver essential equipment, repair parts and supplies. The ROTHR site is operated 24 hours a day/7 days a week. Also, first responder emergency personnel must use this road to access the ROTHR site in case of emergencies.**

**CR401 is in need of surface improvements with proper elevation, grade and storm drainage. It is subject to frequent flash floods which render it impassable during inclement weather. The road has a rudimentary, caliche based, improved surface and is, on average, 2-feet below recommended grade. It is the only improved surface public road between the ROTHR site and State Route 44. There are eight (8) water crossings in the 12.7-mile route. There are no existing culverts or other forms of crossings. Storm waters flow over the road surface rendering it impassable during moderate to severe storms. CR401 is vulnerable to severe, high-intensity, recurrent flooding. Deteriorating road conditions along CR401 make driving challenging and treacherous, and place employees at risk, especially during periods of heavy rain.**

**The following video link demonstrates the current road conditions under normal weather conditions (after rain):**

**<https://drive.google.com/open?id=0B3vOvgmfeJvINXINZ2JmVml5VFU>**

**Road improvements made to CR401 will maintain the operations of the ROTHR site and retain jobs for the communities and residents of Duval and McMullen Counties.**

**Duval County's estimated population is 11,355 with a workforce of 4,555 and median worker earnings of \$22,225. (From Selected (County) Demographic and Economic Characteristics tables from the ACS 2018 5-year estimate). Only five (5) household farms/ranches are along CR401.**