

Narrative for Commissioner's Court

1. Brazos River –Bank Stabilization/Erosion Control Project. Submit a FEMA Building Resilient Infrastructure and Communities (BRIC) grant application through TDEM. Grant application window opens on 9/30/22 and closes on 12/2/22. Of the identified 13 sites along the Brazos River within Fort Bend County, eight have been identified for either GLO/HGAC funding or special district funding. Five remaining sites require funding for an estimated cost of \$120M or less, due to our gained experience in similar type mitigation projects on the first two sites. We are requesting authorization to provide a Notice to Proceed to our consultants, Tetra Tech, to begin preparations of BRIC/ FMA Grant Applications upon receipt, review, and concurrence of Tetra Tech's cost proposals for these scopes of work.
2. Precinct 4 Flood Mitigation – Five mitigation projects using primarily berm and/or culvert work on five residential sites in Precinct 4. Submit a FEMA Flood Mitigation Assistance (FMA) grant application through TDEM. Grant application window opens on 9/30/22 and closes on 12/2/22. Total project costs for all five sites are estimated to be no more than \$2.5M. We are requesting authorization to provide a Notice to Proceed to our consultants, Tetra Tech, to begin preparations of BRIC/ FMA Grant Applications upon receipt, review, and concurrence of Tetra Tech's cost proposals for these scopes of work.

Backup Documentation

1. Brazos River – Sites 3 was completed by FBCMUD 140 in March 2020. Funding has been secured for Site 8 by Fort Bend County LID No.7. Remaining scope includes using a cost-saving stone toe mitigation process that saves both time and money. County Engineering estimates that the proposed five sites will cost less than \$120M due to cost-saving measures already included in the mitigation design. Proposed sites include:
 - a. FBCMUD 140 South (which also potentially benefits the UPRR railroad crossing in Richmond and HWY90A)
 - b. FBCLID 6 (which also potentially benefits the FBC Justice Center)
 - c. FBCMUD 121
 - d. Sienna LID North
 - e. Sienna LID South
2. Precinct 4 Flood Mitigation – Eligible work includes both berm construction and culvert emplacement. Sites include:
 - a. Powell Point Road - \$125K - water from San Bernard does not drain
 - b. West Tavner flooding issue – \$125K - drainage needed on both sides of Tavner
 - c. Bohacek Road – \$125K - drainage easement issues
 - d. Pink Taylor Road – \$125K - does not drain; water comes from all directions
 - e. Bull Head Slough project – \$2M - berm work needed on both sides of 99 at 90A to keep flood water out the intersection; ROW acquisition of private property will be secured by private donations