

McKinney Street Widening Project

Chad Allen – Capital Projects

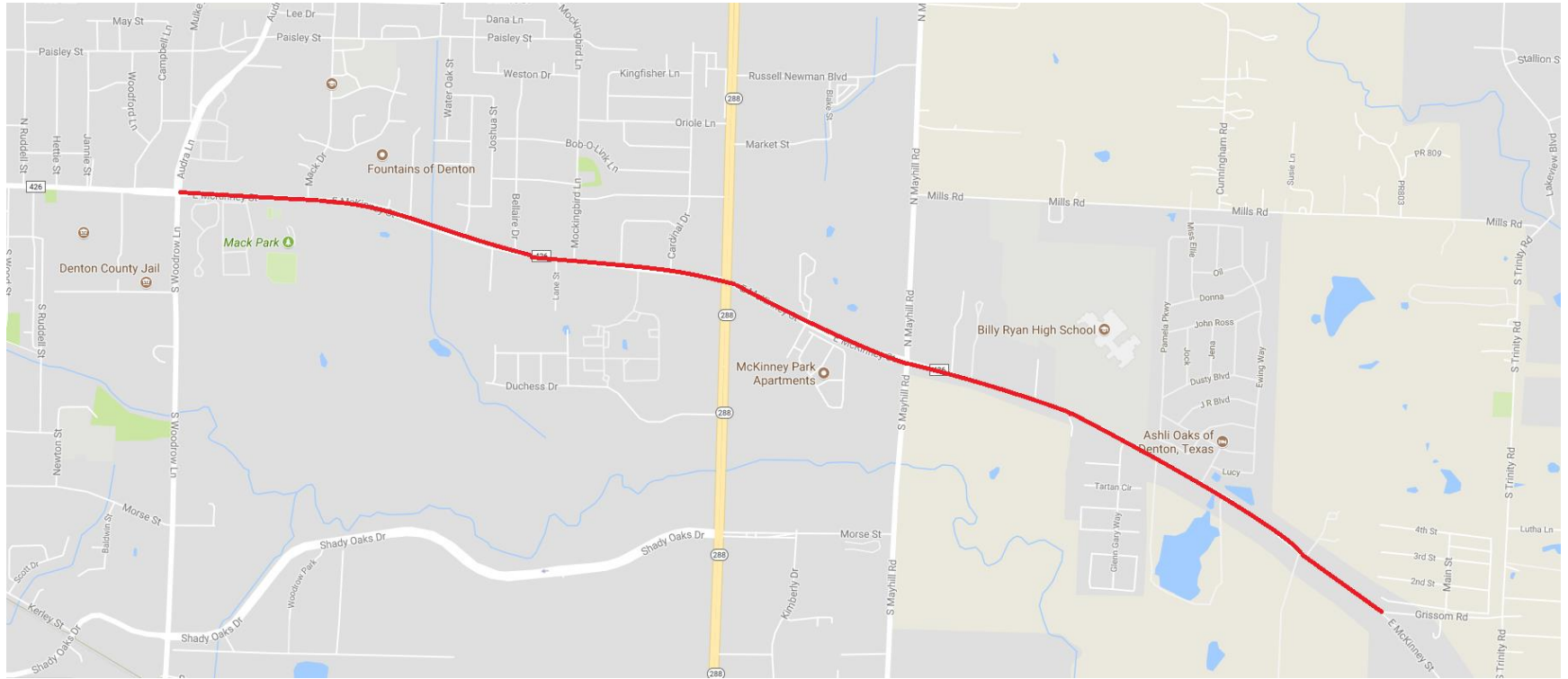
October 17, 2017



Subject:

- ▶ Consider approval of an ordinance authorizing the City Manager to execute a Professional Engineering Services agreement related to the McKinney Street Widening project:
 - ▶ Huitt-Zollars, Inc.
 - ▶ In the amount of \$1,358,300

Location Map: McKinney Street Widening:



Major Project Goals:

- ▶ Widen from two to four lanes from Woodrow Lane east to Grissom Road
- ▶ Construct sidewalks throughout project limits including from Loop 288 east to Billy Ryan High School
- ▶ Construct underground drainage improvements and remove roadside drainage ditches
- ▶ Resolve utility conflicts and implement overlapping 20" water transmission line CIP project from Loop 288 to Mayhill Road

Background:

- ▶ In June 2016, City of Denton and TxDOT agreed to transfer McKinney Street out of TxDOT state highway system and into City of Denton roadway network
- ▶ Transfer made official by Quitclaim Deed signed by the Governor in July of 2016
- ▶ In January of 2017, the City of Denton and TxDOT entered into an Advanced Funding Agreement to transfer \$18,267,303 to the City of Denton to be used for widening McKinney Street

Background:

- ▶ The City intends to use a design-build process for design and construction of the McKinney Street Widening project:
 - ▶ Will expedite completion of the project by allowing construction to begin before all phases of design are complete
 - ▶ Will encourage innovation and value by allowing the engineer and contractor (design-build team) to work together during final design
 - ▶ Design-build process requires the City to hire an engineering representative to perform certain duties prior to selecting the design-build team

Engineering Representative Duties Include:

- ▶ Conduct project survey
- ▶ Gather data for design process
- ▶ Identify easement/ROW needs
- ▶ Create preliminary construction plans
- ▶ Create RFQ/RFP Documents
- ▶ Perform construction administration/management

Engineering Representative Selection Process:

- ▶ City of Denton released RFQ 6401
- ▶ The City received Statements of Qualifications (SOQ) from two engineering firms
 - ▶ Huitt-Zollars, Inc.
 - ▶ Freese and Nichols, Inc.
- ▶ The City SOQ Review Panel scored the submittals
 - ▶ Huitt-Zollars, Inc. : 89 points
 - ▶ Freese and Nichols, Inc. : 74 points
- ▶ Each company was invited to a presentation/interview session
 - ▶ Review Panel recommended Huitt-Zollars be awarded the contract

Selection and Contract Agreement:

- ▶ Huitt-Zollars, Inc.
- ▶ Contract Includes
 - ▶ Basic Services = \$402,300
 - ▶ Special Services = \$944,000
 - ▶ Reimbursable Expenses = \$12,000
- ▶ Total Contract Agreement not to exceed \$1,358,300

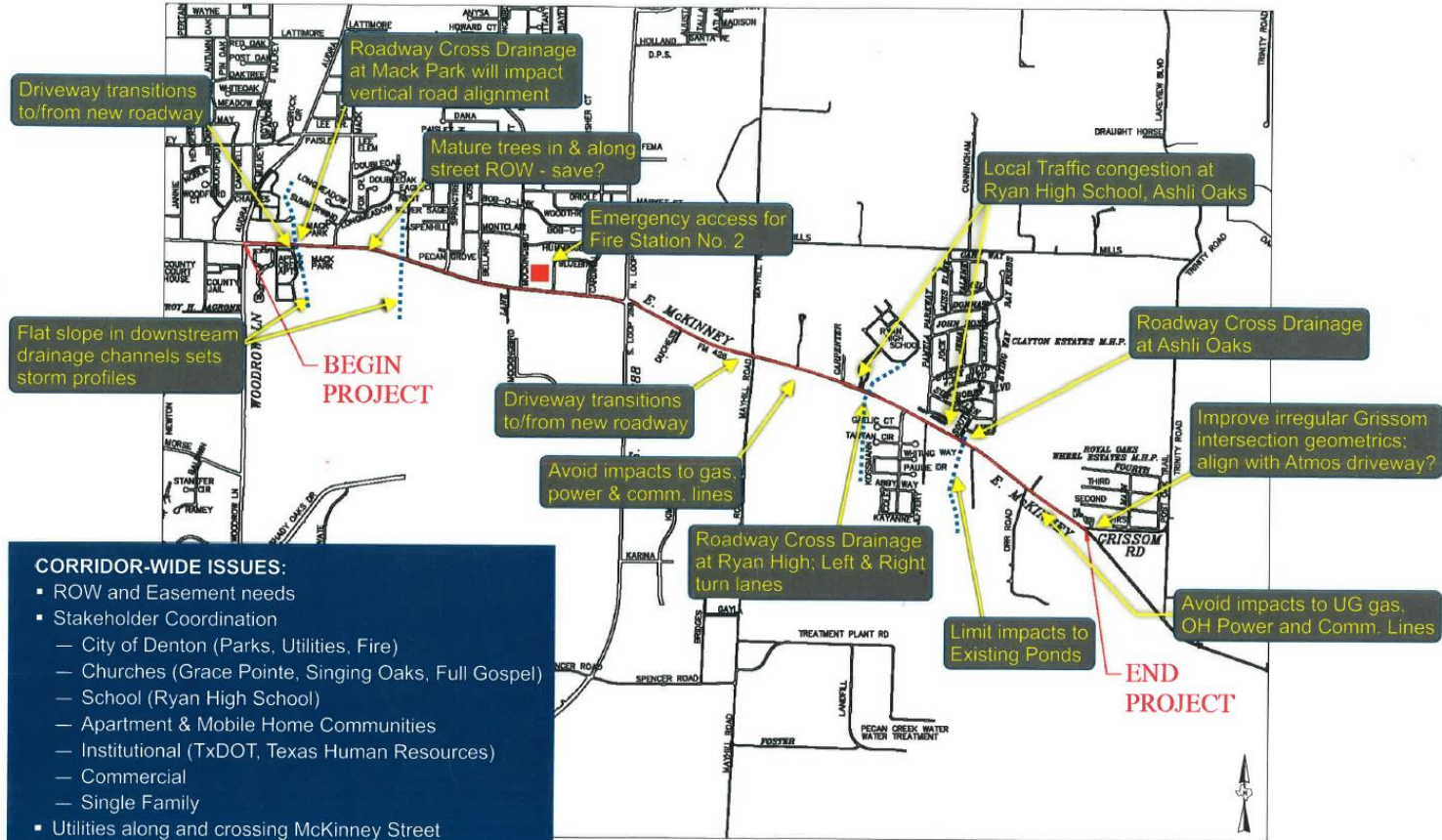
Basic Services:

- ▶ Preliminary engineering design
- ▶ Creation of 30% preliminary construction plans
- ▶ Final sealed construction plans for concrete sidewalk leading up to Billy Ryan High School

Special Services:

- ▶ Drainage impact study
- ▶ Corridor traffic study
- ▶ Topographic/ROW surveys
- ▶ Environmental investigations
- ▶ Geotechnical investigations
- ▶ Subsurface utility engineering
- ▶ Public outreach support
- ▶ Preparation of design-builder procurement documents
- ▶ Assistance during design-build final design phase
- ▶ Design-build construction phase services
- ▶ Supplemental construction materials testing

McKinney Street Issues Map



Estimated Project Schedule:

- | | |
|--------------------------------------|------------------------|
| ▶ Design: | Oct. 2017 to Oct. 2018 |
| ▶ ROW/Easement Acquisition: | Oct. 2017 to Oct. 2018 |
| ▶ Procure Design-Builder: | Nov. 2018 to Apr. 2019 |
| ▶ D-B Final Design and Construction: | Apr. 2019 to Oct. 2020 |



Staff Recommendation:

- ▶ Approve an ordinance authorizing the City Manager to execute a Professional Engineering Services agreement by and between the City of Denton, Texas and Huitt-Zollars, Inc., in the not-to-exceed amount of \$1,358,300, for engineering services related to the McKinney Street Widening project.

Questions?