

Consider awarding, rejecting or extending contract for engineering and surveying on County Road 122.

Moved: Commissioner Mehevec

Seconded: Commissioner Boatright

Motion: To award \$82,680.00 contract for engineering and surveying on County Road 122 to Martinez, Wright Mendez, Inc..

Vote: Motion carried 3 - 0 with Commissioner Heiligenstein absent from the dais.

< Clerk copy here >

TELECOPY TRANSMITTAL

MARTINEZ, WRIGHT AND MENDEZ, INC.

1106 Clayton Lane, Suite 400W

Austin, Texas 78723

Telecopier: 512-453-1734 Office: 512-453-0767

TO:

Name: Joe England P.E.

Company: Williamson Co. CR 122 Improvements

Telecopier No. Sending To: 1-(512) 930-3335

SENT BY: Roberto Martinez

PROJECT NAME: CR. 122

TIME: 2:20 p.m. DATE: 10/09/98

NUMBER OF PAGES: 9 (including cover)

SPECIAL INSTRUCTIONS:

1 copy

Joe,
here is our revised Proposal
dated 10/9/98

Call me Monday and lets
continue working together
Thanks for you help
Robert

Draft

10/9/98

**Project: County Road (CR 122) Improvements
Williamson County**

**Subject: Scope of Services and Fee Proposal
Engineering Design and Surveying Services**

1. INTRODUCTION

Project Scope: The firm of Martinez, Wright & Mendez (MWM) Inc., will provide Engineer design and surveying services for the improvements of County Road – CR 122 from US 79 north to CR 113 (1.0 miles).

General Criteria to consider are as follows:

- a. Design basis: AASHTO
- b. Design storm year: 25 years
- c. Design speed: 50 mph
- d. Design roadway cross section: 2 – 12 ft. lanes with 6 ft. shoulders & side ditches
- e. Pavement type: HMAC, and flexible base
- f. Final Right-of-Way width: 100 ft.

2. SURVEYING SERVICES

The services will be limited to the proposed alignment of CR 122 as approximately shown on Exhibit "3" dated 9/23/98, with a maximum acquisition of 7 parcels (7 parts), and will be provided in accordance with the following:

- a. Identify owners and subdivisions adjacent to the proposed alignment
- b. Prepare access letters
- c. Establish horizontal control based on GPS Texas State Plane data
- d. Establish benchmarks approximately every 1,000 feet
- e. Locate on-grade or above-grade features.
- f. Provide contours at one foot intervals. Vertical control will be based on GPS data
- g. Locate trees 8" or greater in diameter within the proposed right of way
- h. Locate Approximately 4 geotechnical test holes
- i. Obtain available existing record information from utility companies and add to topographic base map
- j. Perform field ties to utilities. MWM will provide location accessible on-grade and above-grade utility features, spot elevations at accessible utility manhole covers, invert flow line elevations and direction of flow accessible sewer and storm drain lines.
- k. Provide connecting road cross sections. Cross sections will be taken approximately every 100' for approximately 300' each way

- l. Provide field ties to existing drainage structures within the proposed right of way
- m. Provide research and tract analysis of existing parcels
- n. Calculate parcel areas
- o. Prepare right of way plans
- p. Prepare field notes and sketches to accompany field notes. Client shall provide a copy the current title commitment for review by the surveyor prior to final submittal of field notes
- q. Field stake proposed centerline or centerline offsets and proposed right of way
- r. Services that are not provided under this agreement specifically include, but are not limited to: acquiring certificates or abstracts of title; obtaining title commitments; easement acquisition or vacation; digging or pot-holing for locating underground utilities or surveying within underground structures; coordinating and locating excavated/pot holed utilities; construction phase surveying; any type of concrete right of way monumentation; other services or expenses which may become necessary for the completion of this project but which are not reasonably anticipated at this time. Such services may be performed as Additional Services to this Agreement, if authorized by Client

3. ENGINEERING SERVICES

- a. Preliminary Phase: Establish criteria and schematic design
- b. Design Phase: Contract drawings and Specifications
- c. Construction Phase: Construction administration only. Not full time site inspection.

4. PRELIMINARY DESIGN STUDY

- a. Collect & review available data
- b. Review core data and pavement design by Geotech
- c. Visual inspection of existing pavement conditions
- d. Determination of methods for pavement rehabilitation.
- e. Develop a design schematic for preliminary horizontal alignment
- f. Perform preliminary hydrological and hydraulic review and develop preliminary drainage plans
- g. Coordinate with City of Round Rock the tie-in of North CR 122 and US 790 to be in line with South CR 122.
- h. Prepare preliminary report that include the above information with final recommendations and preliminary Engineers opinion of probable construction value.
- i. Provide 10 copies of Preliminary Report.

5. DESIGN PHASE

- a. Roadway Design
 - 1. Refine the horizontal and vertical alignment of roadways
 - 2. Provide design cross-sections
 - 3. Compute earthwork quantities

4. Prepare typical sections
5. Develop plan/profile sheets
6. Develop intersection/driveway details
7. Miscellaneous roadway details

b. Drainage Design

1. Prepare drainage area maps showing existing conditions and proposed improvements
2. Prepare hydraulic computations for culverts and channels
3. Prepare hydraulic data sheets
4. Develop storm sewer plan/profile and culvert cross section sheets
5. Develop miscellaneous drainage details
6. Summary of quantities for drainage items
7. Develop erosion control plans per phase.

c. Signing, Pavement Markings and Signalization

1. Prepare signing and pavement markings layout
2. Prepare summary of small signs
3. Prepare summary of pavement markings

d. Miscellaneous (Roadway)

1. Develop Traffic Control Plan (TCP), Detours, and Sequence of Construction layouts. A TCP shall be developed utilizing the MUTCD and the current TXDOT Barricade and Construction Standards. Contractor will be required to submit a detailed TCP where each phase should identify the existing and proposed traffic control devices that will be used to handle traffic during, each sequence of construction, including regulatory signs, warning signs, construction warning, signs, guide signs, route markers, construction pavement markings, channelizing devices, portable changeable message signs, flashing arrow boards, barricades, barriers, etc.
2. Prepare a narrative of the construction sequencing
3. Prepare phasing quantities and summaries
4. Identify existing items to be removed and prepare removal layouts and summaries
5. Prepare exhibits for utility agreements
6. Prepare miscellaneous details as required
7. Prepare estimate, specifications and general notes
8. Prepare special specifications as required for nonp-standard items
9. Prepare Engineers opinion of probable construction value

6. CONSTRUCTION ADMINISTRATION

- a. Engineer will conduct periodic site visits and reviews as necessary
- b. Engineer will review shop submittals and field changes
- c. Engineer will review monthly pay submittals and final pay estimates

- d. Engineer prepares as built at the completion of the project

7. LETTING PROCESS

- a. Prepare twenty copies of construction plans and bid documents
- b. Provide copies of construction plans and bid documents to prospective bidders
- c. Accept completed bid documents
- d. Review submitted bid documents and recommend action relative to the award of contract to Williamson County

8. PROJECT SCHEDULE (See Exhibit 2 dated 9/23/98)

EXHIBIT I
martinez, Wright Mendez, Inc.
CR 122
Williamson County

Fee Proposal Summary	
1) Design Survey	\$11,500.00
2) Right of Way Survey	\$15,800.00
Survey Total	\$27,300.00
1) Preliminary Design	\$15,000.00
2) Final Design	\$38,580.00
Design Total	\$53,580.00
Construction Administration (6 hours x \$1000.00)	\$1,000.00
Reproduction	\$800.00
Fee Grand Total	\$82,680.00

EXHIBIT 2

Project Schedule: Williamson County (CR 122) (180 Days)

9/23/98

Beginning 1 November 1998

	Month 1				Month 2				Month 3				Month 4				Month 5				Month 6				Month 7			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Scope & Proposal Phase																												
Meetings with County																												
Notice to Proceed																												
Evaluation/Prelim. Design																												
Site Visits																												
Topo Surveys/Gather Info./Borings																												
Prepare Prelim. Report																												
County Review of Report/Public Meeting																												
Design Phase																												
Document Preparation																												
Right of Way Survey and Plans																												
County Review of Documents																												
Document Revision																												
Final Review/Prepare Bid Docs.																												
Bidding and Construction																												
Advertise for Bids																												
Pre-Bid Mtg./Questions																												
Bid Opening																												
Review of Bids																												
Award of Contract																												
CONSTRUCTION																												

Note:

Surveying schedule is dependent on being able to obtain immediate right of entry authorization.

A-113

R020752 R020753 R3154
KEN BURGE
DOC 9716034
(32.21 AC)
30.00 AC, 3.998 AC, 0.602

105
2481/77
2.278 AC

3V 2R7.0
1105MAYU

1556 AC

AJICE JOHNSON &
ULVERLY JOHNSON GORDON
PROBATE
(106.60 AC)
100.60 AC, 1.00 AC

LOT 1 2.50 AC
MCMILLIN
PARIS
LOT 2 2.50 AC

Approx.
Project Limits

11 MAY 2011
005/219
04/16 ACJ
07/2 AC

CITY OF ROUND ROCK
17607-151
(316.845 AC)
2406 AC

61

AGENDA ITEM # 18October 13, 1998

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Consider awarding, rejecting or extending bid for Task Force vehicles.

Assistant County Auditor Bob Space recommended rejecting all Task Force vehicle bids.

Moved: Judge Doerfler

Seconded: Commissioner Boatright

Motion: To reject all Task Force vehicle bids.

Vote: Motion carried 3 - 0 with Commissioner Heiligenstein absent from the dais.

AGENDA ITEM # 19October 13, 1998

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Discuss and take appropriate action on road base material award.

No action was taken on this agenda item.

AGENDA ITEM # 20October 13, 1998

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Consider awarding various annual bids.

Assistant County Auditor Bob Space requested postponement of this agenda item until further notice.

AGENDA ITEM # 21October 13, 1998

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Consider approving transfer of the following fixed assets from County Court at Law No. 1 to County Clerk.

(1) Calculator TI-516011 A102822

(1) Calculator TI-516011 A102899

(1) Calculator TI-516011 A102775

Moved: Judge Doerfler

Seconded: Commissioner Boatright

Motion: To approve transfer of the following fixed assets from County Court-at-Law No. 1 to County Clerk:

(1) Calculator TI-516011 A102822

(1) Calculator TI-516011 A102899

(1) Calculator TI-516011 A102775

Vote: Motion carried 3 - 0 with Commissioner Heiligenstein absent from the dais.

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