

Consider approving agreement with Martinez, Wright & Mendez for work on CR132 and CR 136. (funded from CO's) (Pct 4)

Moved: **Commissioner Limmer**

Seconded: **Commissioner Heiligenstein**

Motion: To approve agreement with Martinez, Wright & Mendez for work on CR 132 and CR 136. (funded from CO's) (Pct 4)

Vote: 4 – 0 Commissioner Boatright absent from the dais.

<Clerk Copy Here>



April 14, 2000

**Judge John Doerfler**  
Second Floor  
Williamson County Courthouse  
Georgetown, TX 78626

**Project: County Roads (CR 132 & 136) 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 Roads – CR 132 and 136 from US 79 west to CR 132 and from CR136 south to US 79. Improvements consist of reconstructing existing 20 ft. wide paved road to two-12 ft. lanes with one ft. paved shoulder and 2 ft. unpaved shoulders and minor improvement to storm drainage ditches.

General Criteria to consider are as follows:

- a. Design basis: AASHTO
- b. Design storm year: 25 years
- c. Design speed: 40 mph
- d. Design roadway cross section: 2 – 12 ft. lanes with 1 ft. paved shoulders and 2 ft base shoulder & side ditches
- e. Pavement type: HMAC, and flexible base
- f. Final Right-of-way width: as existing

## 2. SURVEYING SERVICES

Surveying services will be limited to the area within the existing Right-of-way of CR 132 and CR 136 as approximately shown on Exhibit "2" dated 3/15/00 and will be provided in accordance with the following:

- a. Establish horizontal control based on an arbitrary basis
- b. Establish temporary benchmarks approximately every 1,000 feet
- c. Locate on-grade or above-grade features.
- d. Provide contours at two foot intervals. Vertical control will be based on GPS data
- e. Locate trees 8" or greater in diameter
- f. Obtain available existing record information from utility companies and add to topographic base map. Also notify Dig Tess Utility Location.
- g. 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 elevations and direction of flow accessible sewer and storm drain lines.
- h. Provide field ties to existing drainage structures
- i. Services that are not provided under this Agreement specifically include, but are not limited to: boundary survey; right-of-way/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; other services or expenses which may become necessary for the completion of this project but which are not reasonably anticipatable at this time. Such services may be performed as Additional Services to this Agreement, if authorized by Client

### 3. ENGINEERING SERVICES

- a. Preliminary Phase: Provide a preliminary report outlining key design criteria
- 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 hydrological and hydraulic study and develop preliminary drainage plans

- g. Prepare preliminary reports that include the above information with final recommendations and preliminary Engineers opinion of probable construction value.

## 5. DESIGN PHASE

### a. Roadway Design

1. Develop plan/profile sheets
2. Develop intersection/driveway details
3. Refine the horizontal alignment of roadways
4. Prepare typical sections
5. Provide design for cross-sections
6. Miscellaneous road details
7. Compute quantities
8. Coordinate with TxDot (tie in at US79)

### 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 miscellaneous drainage details
5. Summary of quantities for drainage items
6. Develop erosion control plans per phase

### c. Signing, Pavement Markings and Signalization

1. Prepare signing and pavement markings layout
2. Prepare quantity 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.

6. CONSTRUCTION ADMINISTRATION

- a. Engineer will conduct periodic site visits and reviews as necessary.
- b. Engineer will review shop submittals and field changes.

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. ADDITIONAL SERVICES

- a. Work not included in this proposal, change of the project scope or limits, or accelerating of the schedule will be deemed additional services. Additional services may be negotiated based on the hourly rates included in this proposal.

9. FEE PROPOSAL

- a. The contract amount for surveying and engineering is lump sum \$35,000 + 6% over \$347,000 construction cost. Payment: Payment will be made on a monthly basis as the number of hours completed for each phase, not to exceed the contract total. The hourly rates and classifications are attached (See Exhibit 1.)

10. REPRODUCTION OF DOCUMENTS

- a. Three sets of plans will be provided to the client. Any other reproductions will be considered a reimbursable expense.

11. GENERAL CONDITIONS

- a. Services which are not provided for in this scope of work specifically include, but are not limited to, preparation to traffic impact studies, traffic signals, Geotechnical analysis, hazardous site assessment, City fees, government permits,

environmental impact assessments, and other work which is not reasonably able to be anticipated at this time. We may provide such services as additional services to our contract if authorized.

## 12. REIMBURSABLE EXPENSES

- a. Reimbursable expenses are defined as follows and shall be invoiced at direct cost (invoice) plus 10% for overhead unless specifically stated otherwise elsewhere in this agreement.
- b. Reproduction of more than 3 copies of the report.
- c. Shipping and mailing expenses to locations outside the County.
- d. Production of mylars.

## 13. USE OF DOCUMENTS

- a. All documents by Martinez, Wright, and Mendez, Inc. under this agreement are intended for specific purposes outlined in the Scope of Services and for the specific purposes outlined in the Scope of Services and for the specific site or sites discussed herein. Martinez, Wright, and Mendez, Inc. assumes no legal responsibility whatsoever for the use of these documents in any other endeavor without express written authorization from Martinez, Wright, and Mendez, Inc. Documents provided to the Client are for archival or administrative purposes only.

## 14. TIME OF COMPLETION: 80 days after Notice to Proceed

This proposal is only valid for a period of 30 days. If you concur please execute in the space provided below and return one copy for our files.

Sincerely,

MARTINEZ WRIGHT & MENDEZ, INC.

*Roberto O. Martinez*  
Roberto O. Martinez, P.E.  
President

Approval:

*John C. Daefler*  
\_\_\_\_\_  
Williamson County

*4-25-00*  
\_\_\_\_\_  
Date

**MARTINEZ, WRIGHT AND MENDEZ, INC.**  
**Engineering, Architecture and Surveying**  
**1106 Clayton Lane, Suite 400W**  
**Austin, Texas 78723**

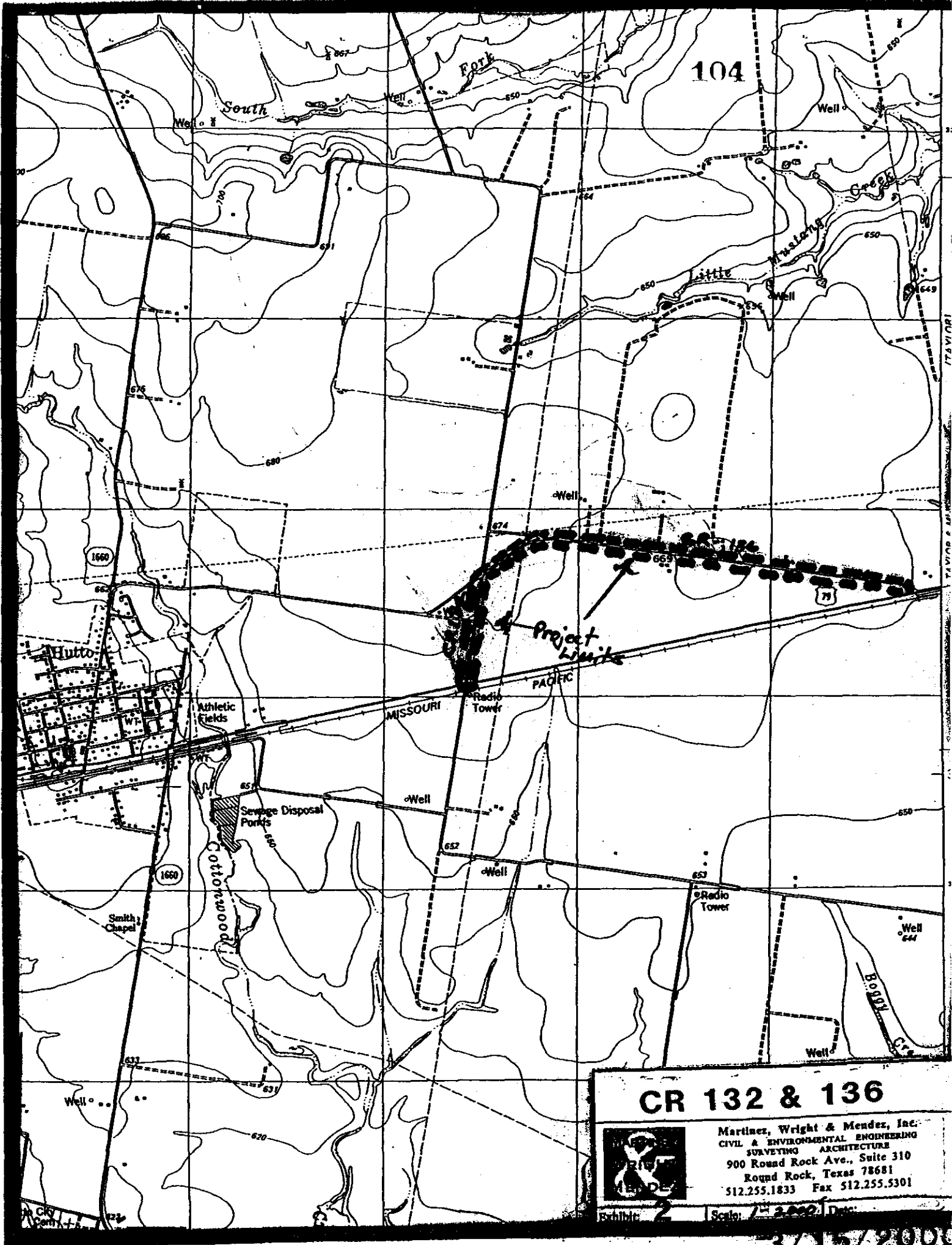
**HOURLY BILLING RATES**  
**Valid As of**  
**4/5/00**

PRINCIPAL	\$ 105
SENIOR ENGINEER/PROJECT MANAGER	\$ 95
LICENSED ENGINEER / ARCHITECT	\$ 85
R.P.L.S.	\$ 85
GRADUATE ENGINEERS & ARCHITECTS	\$ 70
TECHNICIAN	\$ 55
GPS FIELD UNIT(Receiver, Operator, Vehicle, etc)	\$ 100
GPS PROCESSING	\$ 60
3-MAN SURVEY CREW	\$ 115
2-MAN SURVEY CREW	\$ 90
CLERICAL	\$ 40

REIMBURSABLES = @ cost plus 10%

These represent hourly billing rates for Martinez, Wright & Mendez, Inc and are valid for one year only.

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## CR 132 & 136



Martinez, Wright & Mendez, Inc.  
CIVIL & ENVIRONMENTAL ENGINEERING  
SURVEYING ARCHITECTURE  
900 Round Rock Ave., Suite 310  
Round Rock, Texas 78681  
512.255.1833 Fax 512.255.5301

Sheet 2

Scale: 1" = 200' Date:

3/15/2000

Consider approving a professional services contract concerning road projects in Pct. 2.

Moved: **Commissioner Boatright**

Seconded: **Commissioner Hays**

Motion: To approve professional services contract concerning road projects in Pct 2. This money will be allocated from CO's.

Vote: 5 - 0

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April 19, 2000

Commissioner Greg Boatright  
Precinct 2, Williamson County  
600 North Bell St., Ste. 202  
Cedar Park, Texas 78613

RE: A continuation of efforts to implement the Williamson County Multi-Corridor Transportation Plan

Dear Commissioner Boatright:

In November of 1999 the tasks, included as part of the Williamson County Multi-Corridor Transportation Plan (WCMCTP) contract between Prime Strategies and Williamson County, were completed. There are ongoing issues that you have identified as important to address. I have quantified the effort and listed the tasks as follows:

1. Identify and negotiate possible partnerships with Leander, Cedar Park, and Liberty Hill.....\$10,000.00
2. Continue to work with CAMPO  
Attend Meetings and lobby for WCMCTP.....\$30,000.00
3. Identify and negotiate funding participation potential for on-system and off-system roadways, utilizing TxDOT safety program monies.  
Submit proposed sections and negotiate for funding.....\$2,500.00
4. Develop a package of transportation analysis, participation potential and develop a report/letter for Cedar Park's concerns regarding Howard Lane, Arterial A and other infrastructure issues (not including any modeling efforts).....\$4,500.00

PRIME  
STRATEGIES,  
INC.

1508 S. Lamar Blvd.

Austin, Texas 78704

voice 512.445.7074

fax 445.7064

mail@primestrategies.net



The estimates here include Prime Strategies (Mike Weaver) and Concept and Development and Planning (Pix Howell) time and materials for efforts identified. It is assumed that these efforts would be made through June 2000. The assumptions on the level of effort (cost) are based on our current knowledge of your needs. Please review this estimate and contact me if you need to adjust these items. These numbers are estimates but are intended as a not-to-exceed number unless an additional effort is approved by you.

Sincerely,  
PRIME STRATEGIES, INC.

*Yvette Hays for*

Michael Weaver  
Principal

*approved 4-25-00*  
*John T. Dryden*