

**AGENDA ITEM 28**

Discuss and take any appropriate action on name of new Juvenile Facility.

No action was taken on this agenda item.

**AGENDA ITEM 29**

Discuss and take any appropriate action regarding issuance of certificates of obligation.

No action was taken on this agenda item.

**AGENDA ITEM 30**

Consider approving addendum to contract with Carter Burgess, Inc. for engineering services related to the CR 214 project.

Moved: **Commissioner Boatright**

Seconded: **Judge Doerfler**

Motion: To approve an amendment to the contract with Carter Burgess, Inc. for engineering services related to the CR 214 project.

Vote: **5 - 0**

< Attachment >

July 17, 2001

Commissioner Greg Boatright  
Williamson County, Precinct 2  
350 Discovery Blvd., Suite 201  
Cedar Park, Texas 78613

Dear Greg:

Our contract on CR 214 has expired and we are invoicing the current funded value at 100% for the month of June. The original plans are complete and the new revisions and meetings have more than exhausted the budget. I propose that we submit a supplemental agreement extending time, budget and scope on our current contract, if this can be done on an expired (time) contract.

I am enclosing a supplemental agreement with a revised scope, time and fee for the CR 214 project. It is unclear at this time just what the final scope will be, but will include any of the options discussed to date. Since this is a cost-plus project, we will only bill for the work performed and no more. My supplemental agreement will not include any work on FM 1869; we will leave that project to Huggins and Seilers, if that is acceptable to you. I will send the same letter and supplemental to Joe England for his files.

If you agree with the above proposals, please sign both supplemental agreements and return one to our office. Carter & Burgess is very pleased to continue with this project and our relationship with the county.

Sincerely,  
**Carter & Burgess, Inc.**



Bill Caffey, P.E.  
Senior Project Manager

cc: Joe England, P.E. w/attachments  
Mike Weaver w/attachments ✓

**AMENDMENT to CONTRACT****Project:** Williamson County Road 214**(Name, Address)** Carter & Burgess, Inc.  
901 South Mopac Expressway  
Building V, Suite 200  
Austin, Texas 78746**DATE:** July 17, 2001**Amendment No.:** 3**Engineers Project No.:** 05-0099-001**To:** Joe M. England, P.E.  
Williamson County Engineer  
1900 Georgetown Inner Loop, Ste B  
Georgetown, Texas 78626**Owner/Architect No.:****Contract For:** Engineering Services**Contract Date:** January 27, 2000**Description of changes to the subject Contract:**

WHEREAS, the original subject contract time has expired and is being invoiced the current funded value at 100%; and

WHEREAS, additional survey, right-of-way mapping and roadway geometrics work will be required due to the realignment of CR 214 at SH 29, as shown in Exhibit A, Scope of Services, enclosed, and may require a new CR 214 connection to relocated FM 1869; and

WHEREAS, the additional work will require an extension of time of completion;

NOW THEREFORE, it is hereby mutually agreed that Exhibit A be added to this contract with a total additional cost of \$53,920.00, as shown in the enclosed Engineering Fee Estimate, for a total contract cost of \$190,590.00, to be completed by March 31, 2002.

**Enclosures:****These changes result in the following adjustment of Contract Price and Contract Time:**

|   |                            |
|---|----------------------------|
| Contract Price Prior to this Change Order:          | \$136,670.00               |
| Net Resulting from this Change:                     | \$53,920.00                |
| Current Contract Price Including this Change Order: | \$190,590.00               |
| Contract Time Prior to this Change Order:           | Finish date July 2001      |
| Net Resulting from this Change Order:               | 8 Months                   |
| Current Contract Time Including this Change Order:  | Finish date March 31, 2002 |

Carter & Burgess, Inc.  
**Engineer**  
901 S Mopac Expressway, Bldg V, Ste 200  
**Address**  
Austin Texas 78746

**By:****Date:***J. Arthur Davis**7/17/01*

**Authorized:**  
Williamson County  
**Owner**  
1900 Georgetown Inner Loop, Suite B  
**Address**  
Georgetown, Texas 78626

**By:****Date:**

**Exhibit A  
Scope of Services  
County Road 214**

**Survey:**

Additional survey will be required at the intersection of County Road (CR) 214 and State Highway (SH) 29 and north of SH 29 along CR 214. This additional survey is due to the realignment of CR 214 tying into SH 29.

**Right of Way Mapping:**

The right of way maps and all field notes with exhibits will need to be revised at the intersection of CR 214 and SH 29. Approximately 5 additional parcels will have to be surveyed, staked and mapped.

**Roadway Geometrics:**

All pertinent roadway design information will need to be revised due to the realignment of CR 214 at SH 29 and at the intersection of CR 214 and FM 1869. The roadway plan & profile sheets, drainage plan & profile sheets, culvert layouts, traffic control plan sheets, erosion control sheets, signing, striping & delineation sheets will need to be revised. In addition, all applicable quantities will need to be calculated and revise the summary sheets. The earthwork (cross-sections) will also need to be adjusted. A signal design may need to be performed at the intersection of CR 214 and SH 29 if the Texas Department of Transportation approves a signal at that location and if the intersection meets signal warrants. Signal plans will need to be added to the construction plans along with all applicable standards. The construction estimate will need to be revised due to all the quantity changes.

Coordination with all utility companies will be needed once again due to the realignment of CR 214 at SH 29. Utility companies will need to be informed of this change and coordinate any possible utility adjustments in this area.

Coordination with all local government entities including Williamson County, the Texas Department of Transportation and the City of Liberty Hill will be continued as this project continues in its development.

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ENGINEERING FEE ESTIMATE

CARTER & BURGESS, INC.  
2 - LANE BLVD. SECTION

CR214  
WILLIAMSON COUNTY  
FROM: SH 29  
TO: XX  
LENGTH = 1.17 MILE

JULY 17, 2001  
(CR214SA2)  
SHEET 1 OF 6

| ESTIMATED MANHOURS OF EACH WORK TASK                    |                 |                 |                       |                      |               |         | TOTAL MANHOURS |    |
|---|-----------------|-----------------|-----------------------|----------------------|---------------|---------|----------------|----|
| TASK AND DESCRIPTION                                    | PROJECT MANAGER | DESIGN ENGINEER | ASST. DESIGN ENGINEER | SR. ENVIR. SCIENTIST | ADP. DESIGNER | GENERAL |                |    |
| I. PROJECT MANAGEMENT (F.C. 110)                        |                 |                 |                       |                      |               |         |                |    |
| A. Coordination and Review                              | 16              | 16              |                       | 0                    |               |         | 0              | 32 |
| B. Contract Administration                              | 4               | 0               |                       |                      |               |         | 4              | 8  |
| C. Quality Assurance/Quality Control                    | 8               |                 |                       |                      |               |         |                | 8  |
| SUBTOTALS:  | 28              | 16              | 0                     | 0                    |               |         | 4              | 48 |
| II. ROUTE AND DESIGN STUDIES (F.C. 110)                 |                 |                 |                       |                      |               |         |                |    |
| A. Schematic Design                                     |                 |                 |                       |                      |               |         |                |    |
| 1. Data Collection                                      | 0               | 0               | 0                     |                      |               |         |                | 0  |
| 2. Initial Field Reconnaissance                         | 0               | 0               |                       |                      |               |         |                | 0  |
| 3. Identify Property Ownership                          |                 |                 |                       |                      |               |         |                | 0  |
| 4. Develop Designs                                      | 0               | 0               | 0                     |                      |               |         | 0              | 0  |
| 5. Typical Sections                                     | 0               | 0               | 0                     |                      |               |         | 0              | 0  |
| 6. Right of Way Requirements                            | 0               | 0               | 0                     |                      |               |         | 0              | 0  |
| B. Design Concept Conference                            | 0               | 0               |                       |                      |               |         |                | 0  |
| C. Preliminary Cost Estimate                            | 0               | 0               | 0                     |                      |               |         | 0              | 0  |
| SUBTOTALS:  | 0               | 0               | 0                     | 0                    |               |         | 0              | 0  |
| III. SOCIAL ECONOMIC & ENVIRONMENTAL STUDIES (F.C. 120) |                 |                 |                       |                      |               |         |                |    |
| A. Environmental Assessment                             |                 |                 |                       |                      |               |         |                |    |
| 1. Agency Coordination                                  | 0               | 0               |                       |                      |               |         | 0              | 0  |
| 2. Purpose and Need for Action                          | 0               | 0               |                       |                      |               |         | 0              | 0  |
| 3. Socioeconomic Data                                   |                 |                 |                       |                      |               |         | 0              | 0  |
| 4. Field Investigation                                  |                 |                 |                       |                      |               |         | 0              | 0  |
| 5. Land Use   |                 |                 |                       |                      |               |         | 0              | 0  |
| 6. Geology and Groundwater                              |                 |                 |                       |                      |               |         | 0              | 0  |
| 7. Noise and Vibration                                  |                 |                 |                       |                      |               |         | 0              | 0  |
| 8. Surface Water Hydrology                              |                 |                 |                       |                      |               |         | 0              | 0  |
| 9. Air Quality  |                 |                 |                       |                      |               |         | 0              | 0  |
| 10. Cultural Resources                                  |                 |                 |                       |                      |               |         | 0              | 0  |
| 11. Ecological Resources                                |                 |                 |                       |                      |               |         | 0              | 0  |
| 12. Wetlands  |                 |                 |                       |                      |               |         | 0              | 0  |
| 13. Endangered Species                                  |                 |                 |                       |                      |               |         | 0              | 0  |
| 14. Relocation  |                 |                 |                       |                      |               |         | 0              | 0  |
| 15. Prime Farm Land                                     |                 |                 |                       |                      |               |         | 0              | 0  |
| B. Assemble, Review and Process                         | 0               | 0               |                       |                      |               |         | 0              | 0  |
| SUBTOTALS:  | 0               | 0               | 0                     |                      |               |         | 0              | 0  |

ENGINEERING FEE ESTIMATE

CR214  
WILLIAMSON COUNTY  
FROM: SH 29  
TO: XX  
LENGTH = 1.17 MILE

JULY 17, 2001  
(CR214SA2)  
SHEET 2 OF 6

CARTER & BURGESS, INC.  
2 - LANE BLVD. SECTION

ESTIMATED MANHOURS OF EACH WORK TASK

| TASK AND DESCRIPTION                         | PROJECT<br>MANAGER | DESIGN<br>ENGINEER | ASST. DESIGN<br>ENGINEER | SE. ENVIR.<br>SCIENTIST | CADD<br>DRAFTSMAN | CLERICAL | TOTAL<br>MAN-OURS |
|--|--------------------|--------------------|--------------------------|-------------------------|-------------------|----------|-------------------|
| IV. PUBLIC INVOLVEMENT (F.C. 120)            |                    |                    |                          |                         |                   |          |                   |
| A. Public Meeting                            |                    |                    |                          |                         |                   |          |                   |
| 1. Prepare Meeting Notice and Exhibits       | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| 2. Assist with Meeting                       | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| 3. Prepare Draft Summary and Analysis        | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| A. Public Hearing                            |                    |                    |                          |                         |                   |          |                   |
| 1. Prepare Notice & Exhibits                 | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| 2. Assist with Hearing                       | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| 3. Prepare Final Summary and Analysis        | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| SUBTOTALS:                                   | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| V. UTILITY/R. O. W. COORD. (F.C. 130)        |                    |                    |                          |                         |                   |          |                   |
| A. Ownership Data                            |                    |                    |                          |                         |                   |          | 0                 |
| B. Utility Locations                         |                    |                    |                          |                         |                   |          | 0                 |
| C. Right of Way Plans                        |                    |                    |                          |                         |                   |          |                   |
| 1. Prepare Right of Way Plans                | 0                  | 0                  |                          |                         |                   |          | 0                 |
| 2. Calculate Right of Way Req.               |                    |                    |                          |                         |                   |          | 0                 |
| 3. Calculate Parcel Areas                    |                    |                    |                          |                         |                   |          | 0                 |
| D. Prepare Field Notes                       |                    |                    |                          |                         |                   |          | 0                 |
| E. Research and Tract Analysis               | 2                  | 4                  | 8                        |                         |                   | 8        | 22                |
| F. Notify/Meeting w/Utility Owners           |                    |                    |                          |                         |                   |          |                   |
| SUBTOTALS:                                   | 2                  | 4                  | 8                        |                         |                   | 8        | 22                |
| VI. FIELD SURVEYS (F.C. 150)                 |                    |                    |                          |                         |                   |          |                   |
| A. Establish Horizontal and Vertical Control |                    |                    |                          |                         |                   |          | 0                 |
| B. Establish Benchmarks at (2000') Intervals |                    |                    |                          |                         |                   |          | 0                 |
| C. Stake Centerline                          |                    |                    |                          |                         |                   |          | 0                 |
| D. Existing Cross Sections and Ties          |                    |                    |                          |                         |                   |          |                   |
| 1. Proposed Roadway Centerline               |                    |                    | 0                        |                         |                   |          | 0                 |
| 2. Connecting Roads                          |                    |                    | 0                        |                         |                   |          | 0                 |
| 3. Drainage Channels                         |                    |                    | 0                        |                         |                   |          | 0                 |
| 4. Existing Bridges and Culverts             |                    |                    | 0                        |                         |                   |          | 0                 |
| 5. Connections to CR 195 & FM 1460           |                    |                    | 0                        |                         |                   |          | 0                 |
| E. Survey and Stake Right-Of-Way             |                    |                    | 0                        |                         |                   |          | 0                 |
| F. Stake Core Test Holes                     | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |
| SUBTOTALS:                                   | 0                  | 0                  | 0                        |                         |                   | 0        | 0                 |

## ENGINEERING FEE ESTIMATE

CR 214

WILLIAMSON COUNTY

FROM: SH 29

XX:01  
TO:XX

LENGTH = 1.17 MILE

**CARTER & BURGESS, INC.**  
2 - LANE BLVD. SECTION

JULY 17, 2001  
(CR214SA2)  
SHEET 3 OF 6

### ESTIMATED MANHOURS OF EACH WORK TASK

| TASK AND DESCRIPTION           | PROJECT<br>MANAGER | DESIGN<br>ENGINEER | ASST. DESIGN<br>ENGINEER | SR. SURV.<br>SCIENTIST | ROAD<br>ENGINEER | CIVILICAL<br>ENGINEER | TOTAL<br>MANHOURS |
|--------------------------------|--------------------|--------------------|--------------------------|------------------------|------------------|-----------------------|-------------------|
| VII. ROADWAY DESIGN (F.C. 160) |                    |                    |                          |                        |                  |                       |                   |
| A. Geometric Design            |                    |                    |                          |                        |                  |                       |                   |
| 1. Horizontal Alignment        | 0                  | 2                  | 0                        | 0                      | 4                | 6                     | 6                 |
| 2. Vertical Alignment          | 0                  | 2                  | 0                        | 0                      | 4                | 6                     | 6                 |
| 3. Right-Of-Way Requirements   | 0                  | 2                  | 0                        | 0                      | 4                | 6                     | 6                 |
| 4. Typical Sections            | 0                  | 2                  | 0                        | 0                      | 4                | 6                     | 6                 |
|                                |                    |                    |                          |                        |                  | 0                     | 0                 |
|                                |                    |                    |                          |                        |                  | 0                     | 0                 |
|                                |                    |                    |                          |                        |                  | 0                     | 0                 |
| SUBTOTALS:                     | 0                  | 8                  | 0                        | 0                      | 16               | 0                     | 24                |

## VIII. PREPARATION OF CONSTRUCTION PLANS

| SHEET TOTALS                            |          | NO OF SHEETS | PROG. HRS. | DESIGN HRS. | ASST. HRS. | ENGR. HRS. | ENV. HRS. | SOIL HRS. | ROAD HRS. | DRY. HRS. | OVER. HRS. | TOTAL HRS. |
|---|----------|--------------|------------|-------------|------------|------------|-----------|-----------|-----------|-----------|------------|------------|
|   |          |              |            |             |            |            |           |           |           |           |            |            |
| <b>A. ROADWAY DESIGN (F.C. 160)</b>     |          |              |            |             |            |            |           |           |           |           |            |            |
| 1. Title Sheet & Index                  | 0        | 0            | 0          | 2           | 0          | 0          | 0         | 0         | 4         | 0         | 0          | 0          |
| 2. Project Layout                       | 1        | 0            | 0          | 0           | 0          | 0          | 0         | 0         | 1         | 1         | 0          | 1          |
| 3. Typical Sections                     | 1        | 0            | 0          | 1           | 0          | 0          | 0         | 0         | 4         | 4         | 0          | 5          |
| 4. Plan and Profile/Intersection Sheets | 2        | 1            | 2          | 2           | 4          | 0          | 0         | 0         | 4         | 8         | 0          | 14         |
| 5. Horiz. Alig. & Cross Slope           | 0        | 1            | 0          | 1           | 0          | 0          | 0         | 0         | 2         | 0         | 0          | 0          |
| 6. Roadway Summaries                    | 1        | 0            | 0          | 1           | 1          | 0          | 0         | 0         | 4         | 4         | 0          | 5          |
| 7. General Notes and Spec. Data         | 0        | 0            | 0          | 2           | 0          | 0          | 0         | 0         | 2         | 0         | 0          | 0          |
| 8. Estimates and Quantities             | 1        | 0            | 0          | 1           | 1          | 0          | 0         | 0         | 4         | 4         | 0          | 5          |
| 9. Utility Layouts                      | 0        | 0            | 0          | 2           | 0          | 0          | 0         | 0         | 4         | 0         | 0          | 0          |
| <b>SUBTOTAL:</b>                        | <b>6</b> | <b>2</b>     | <b>7</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>  | <b>0</b>  | <b>21</b> | <b>0</b>  | <b>0</b>   | <b>30</b>  |
| <b>B. DRAINAGE (F.C. 161)</b>           |          |              |            |             |            |            |           |           |           |           |            |            |
| 1. Drainage Area Maps                   | 1        | 0            | 0          | 1           | 1          | 0          | 0         | 0         | 4         | 4         | 0          | 5          |
| 2. Hydraulic Data                       | 1        | 0            | 0          | 1           | 1          | 0          | 0         | 0         | 2         | 2         | 0          | 3          |
| 3. Drainage Sheet                       | 1        | 0            | 0          | 1           | 1          | 0          | 0         | 0         | 4         | 4         | 0          | 5          |
| 4. Culvert Cross Sec. & Details         | 1        | 1            | 1          | 1           | 1          | 0          | 0         | 0         | 4         | 4         | 0          | 6          |
| 5. Drainage Details                     | 1        | 1            | 1          | 2           | 2          | 0          | 0         | 0         | 4         | 4         | 0          | 7          |
| 6. Storm Water Pol. Prev. Plan/Eros     | 1        | 0            | 0          | 1           | 1          | 0          | 0         | 0         | 1         | 1         | 0          | 2          |
| 7. Drainage Summary                     | 1        | 0            | 0          | 1           | 1          | 0          | 0         | 0         | 2         | 2         | 0          | 3          |
| <b>SUBTOTAL:</b>                        | <b>7</b> | <b>2</b>     | <b>8</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>  | <b>0</b>  | <b>21</b> | <b>0</b>  | <b>0</b>   | <b>31</b>  |





ENGINEERING FEE ESTIMATE

CARTER & BURGESS, INC.  
2 - LANE BLVD. SECTION

CR 214  
WILLIAMSON COUNTY  
FROM: SH 29  
TO: XX  
LENGTH = 1.17 MILE

JULY 17, 2001  
(CR214SA2)  
SHEET 5 OF 6

ESTIMATED COST OF EACH WORK TASK

| TASK AND DESCRIPTION   | PROJECT MANAGER   | DESIGN ENGINEER                                       | ASST. DESIGN ENGINEER                           | SURVEY SCIENTIST                         | CADD DRAFTER                                    | CLERICAL                                       | TOTAL MAN HOURS |
|--|---|---|---|--|---|--|-----------------|
| I. PROJECT MANAGEMENT (F.C. 110)<br>TOTAL HOURS:<br>SALARY RATES:<br>DIRECT SALARY COST:<br>OVERHEAD MULTIPLIER:<br>PROFIT:                        | 28<br>\$57.00<br>\$1,596<br>\$2,757<br>\$653<br>\$5,006 | 16<br>\$38.00<br>\$608<br>\$1,050<br>\$249<br>\$1,907 | 0<br>\$30.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$28.00<br>\$0<br>\$0<br>\$0<br>\$0 | 0<br>\$27.00<br>\$0<br>\$0<br>\$0<br>\$0        | 4<br>\$17.00<br>\$68<br>\$117<br>\$28<br>\$213 | 48<br>\$7,126   |
| II. ROUTE AND DESIGN STUDIES (F.C. 110)<br>TOTAL HOURS:<br>SALARY RATES:<br>DIRECT SALARY COST:<br>OVERHEAD MULTIPLIER:<br>PROFIT:                 | 0<br>\$57.00<br>\$0<br>\$0<br>\$0<br>\$0                | 0<br>\$38.00<br>\$0<br>\$0<br>\$0<br>\$0              | 0<br>\$30.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$28.00<br>\$0<br>\$0<br>\$0<br>\$0 | 0<br>\$27.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$17.00<br>\$0<br>\$0<br>\$0<br>\$0       | 0               |
| III. SOCIAL ECONOMIC & ENVIRONMENTAL STUDIES (F.C. 120)<br>TOTAL HOURS:<br>SALARY RATES:<br>DIRECT SALARY COST:<br>OVERHEAD MULTIPLIER:<br>PROFIT: | 0<br>\$57.00<br>\$0<br>\$0<br>\$0<br>\$0                | 0<br>\$38.00<br>\$0<br>\$0<br>\$0<br>\$0              | 0<br>\$30.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$28.00<br>\$0<br>\$0<br>\$0<br>\$0 | 0<br>\$27.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$17.00<br>\$0<br>\$0<br>\$0<br>\$0       | 0               |
| IV. PUBLIC INVOLVEMENT (F.C. 120)<br>TOTAL HOURS:<br>SALARY RATES:<br>DIRECT SALARY COST:<br>OVERHEAD MULTIPLIER:<br>PROFIT:                       | 0<br>\$57.00<br>\$0<br>\$0<br>\$0<br>\$0                | 0<br>\$38.00<br>\$0<br>\$0<br>\$0<br>\$0              | 0<br>\$30.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$28.00<br>\$0<br>\$0<br>\$0<br>\$0 | 0<br>\$27.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$17.00<br>\$0<br>\$0<br>\$0<br>\$0       | 0               |
| V. UTILITY/R. O. W. COORD. (F.C. 130)<br>TOTAL HOURS:<br>SALARY RATES:<br>DIRECT SALARY COST:<br>OVERHEAD MULTIPLIER:<br>PROFIT:                   | 2<br>\$57.00<br>\$114<br>\$197<br>\$47<br>\$358         | 4<br>\$38.00<br>\$152<br>\$263<br>\$82<br>\$477       | 8<br>\$30.00<br>\$240<br>\$415<br>\$98<br>\$753 | 0<br>\$28.00<br>\$0<br>\$0<br>\$0<br>\$0 | 8<br>\$27.00<br>\$216<br>\$373<br>\$98<br>\$677 | 0<br>\$17.00<br>\$0<br>\$0<br>\$0<br>\$0       | 22<br>\$2,284   |
| VI. FIELD SURVEYS (F.C. 150)<br>TOTAL HOURS:<br>SALARY RATES:<br>DIRECT SALARY COST:<br>OVERHEAD MULTIPLIER:<br>PROFIT:                            | 0<br>\$57.00<br>\$0<br>\$0<br>\$0<br>\$0                | 0<br>\$38.00<br>\$0<br>\$0<br>\$0<br>\$0              | 0<br>\$30.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$28.00<br>\$0<br>\$0<br>\$0<br>\$0 | 0<br>\$27.00<br>\$0<br>\$0<br>\$0<br>\$0        | 0<br>\$17.00<br>\$0<br>\$0<br>\$0<br>\$0       | 0               |

ENGINEERING FEE ESTIMATE

CARTER & BURGESS, INC.  
2 - LANE BLVD. SECTION

CR 214  
WILLIAMSON COUNTY  
FROM: SH 29  
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LENGTH = 1.17 MILE

JULY 17, 2001  
(CR214SA2)  
SHEET 6 OF 6

ESTIMATED COST OF EACH WORK TASK

| TASK AND DESCRIPTION                         | PROJECT<br>MANAGER  | DESIGN<br>ENGINEER | ASST DESIGN<br>ENGINEER | SF ENVIR<br>SCIENTIST | CADD<br>DRAFTER | CLERICAL | TOTAL<br>MANHOURS |
|--|---------------------|--------------------|-------------------------|-----------------------|-----------------|----------|-------------------|
| VII. ROADWAY DESIGN (F.C. 160)               |                     |                    |                         |                       |                 |          |                   |
| TOTAL HOURS:                                 | 0                   | 8                  | 0                       | 0                     | 16              | 0        | 24                |
| SALARY RATES:                                | \$57.00             | \$38.00            | \$30.00                 | \$28.00               | \$27.00         | \$17.00  |                   |
| DIRECT SALARY COST:                          | \$0                 | \$304              | \$0                     | \$0                   | \$432           | \$0      |                   |
| OVERHEAD MULTIPLIER:                         | \$0                 | \$525              | \$0                     | \$0                   | \$746           | \$0      |                   |
| PROFIT:                                      | \$0                 | \$124              | \$0                     | \$0                   | \$177           | \$0      |                   |
| TOTAL:                                       | \$0                 | \$953              | \$0                     | \$0                   | \$1,355         | \$0      | \$2,308           |
| VIII. PREPARATION OF CONSTRUCTION PLANS      |                     |                    |                         |                       |                 |          |                   |
| TOTAL HOURS:                                 | 13                  | 57                 | 32                      | 0                     | 106             | 0        | 208               |
| SALARY RATES:                                | \$57.00             | \$38.00            | \$30.00                 | \$28.00               | \$27.00         | \$17.00  |                   |
| DIRECT SALARY COST:                          | \$741               | \$2,166            | \$960                   | \$0                   | \$2,862         | \$0      |                   |
| OVERHEAD MULTIPLIER:                         | \$1,280             | \$3,741            | \$1,658                 | \$0                   | \$4,944         | \$0      |                   |
| PROFIT:                                      | \$303               | \$886              | \$393                   | \$0                   | \$1,171         | \$0      |                   |
| TOTAL:                                       | \$2,324             | \$6,793            | \$3,011                 | \$0                   | \$8,976         | \$0      | \$21,105          |
| TOTAL CARTER & BURGESS, INC.:                |                     |                    |                         |                       |                 |          |                   |
| TOTAL HOURS:                                 | 43                  | 85                 | 40                      | 0                     | 130             | 4        | 302               |
| SALARY RATES:                                | \$57.00             | \$38.00            | \$30.00                 | \$28.00               | \$27.00         | \$17.00  |                   |
| DIRECT SALARY COST:                          | \$2,451             | \$3,230            | \$1,200                 | \$0                   | \$3,510         | \$68     | \$10,459          |
| OVERHEAD MULTIPLIER:                         | \$4,234             | \$5,579            | \$2,073                 | \$0                   | \$6,063         | \$117    | \$18,066          |
| PROFIT:                                      | \$1,003             | \$1,321            | \$491                   | \$0                   | \$1,436         | \$28     | \$4,279           |
| TOTAL:                                       | \$7,687             | \$10,131           | \$3,764                 | \$0                   | \$11,009        | \$213    | \$32,804          |
| PERCENT OF CARTER & BURGESS COST:            | 23.43%              | 30.88%             | 11.47%                  | 0.00%                 | 33.56%          | 0.65%    | 100.00%           |
| DIRECT COST - CARTER & BURGESS, INC.:        |                     |                    |                         |                       |                 |          |                   |
| Mylar Plots                                  | 130 Square Feet at  |                    |                         |                       |                 |          | \$455             |
| Blue-line Reproductions or Printing          | \$0.25 /Square Foot |                    |                         |                       |                 |          | \$325             |
| Survey Materials and Supplies                |                     |                    |                         |                       |                 |          | \$0               |
| Express Deliveries                           |                     |                    |                         |                       |                 |          | \$80              |
| Auto Mileage                                 | 4 Deliveries at     |                    |                         |                       |                 |          | \$158             |
| Air Travel                                   | 500 Miles at        |                    |                         |                       |                 |          | \$0               |
| Lodging                                      | 0 Flights at        |                    |                         |                       |                 |          | \$0               |
| Per Diem                                     | 0 Nights at         |                    |                         |                       |                 |          | \$0               |
| Auto Rental                                  | 0 Days at           |                    |                         |                       |                 |          | \$0               |
| Telephone, Communications and Advertisements | 0 Days at           |                    |                         |                       |                 |          | \$99              |
| Count Recorder & Transcriber                 |                     |                    |                         |                       |                 |          | \$0               |
| SAMM, INC. (SURVEY & RIGHT OF WAY MAPPING)   |                     |                    |                         |                       |                 |          | \$20,000          |
| TOTAL DIRECT COST - CARTER & BURGESS, INC.   |                     |                    |                         |                       |                 |          | \$21,117          |
| SUMMARY - CARTER & BURGESS, INC.             |                     |                    |                         |                       |                 |          |                   |
| Labor + Overhead + Profit                    |                     |                    |                         |                       |                 |          | \$32,804          |
| Direct Cost                                  |                     |                    |                         |                       |                 |          | \$21,117          |
| TOTAL CONTRACT COST - CARTER & BURGESS, INC. |                     |                    |                         |                       |                 |          | \$53,921          |



ORIGINALLY PROPOSED  
ALIGNMENT OF CR 214

ALTERNATIVE REALIGNMENT  
OF FM 1869

# INTERIM REVIEW

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF  
INTERIM REVIEW UNDER THE AUTHORITY OF  
BILL CAFFEY, PE 79239 ON 07/17/01  
IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

SH 29 /CO 214  
SH 29 /FM 1869  
INTERSECTIONS

SHEET 1 OF 1

CarterBurgess

07/17/01

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RECORDERS MEMORANDUM  
All or parts of the text on this page was not  
clearly legible for satisfactory recordation.

**AGENDA ITEM 31**

Consider approving list of pre-qualified engineering and construction firms to provide construction oversight and professional inspection services for the Road Bond Program.

Moved: **Judge Doerfler**

Seconded: **Commissioner Limmer**

Motion: To approve the list of pre-qualified engineering and construction firms to provide construction oversight and professional inspection services for the Road Bond Program.

Vote: **5 - 0**

< Attachment >

## M e m o r a n d u m

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**To:** Williamson County Commissioners Court  
**From:** Michael Weaver  
Prime Strategies, Inc.  
**Regarding:** Construction Observer Short List  
**Date:** August 3, 2001

As authorized by the Court we advertised for Construction Observer services for the Road Bond Program. We advertised in the Williamson County Sun, posted the Request for Statement of Qualification (SOQ) on the Road Bond website, and sent out over 45 invitations to submit qualifications. We received thirteen statements of qualifications (see attached list). We also had several firms notify us by mail and phone that they would not be responding to the SOQ.

As outlined in the draft Project Construction Manual, presented to the Court last month, we are using two types of construction oversight. One is the Construction Observer which would be a "third party" owners representative to inspect the major road bond projects. The second approach, which the County currently follows, is to allow the design engineer to provide construction phase services. We intend to use the design engineers on the small county reconstruction and rehabilitation projects.

Based on our team's review of the thirteen Statement of Qualifications received, we would recommend the following firms be prequalified to provide Construction Observer services for the Road Bond Program:

- Brown & Root Services
- Turner, Collie & Braden, Inc.
- PBS&J
- Doucet & Associates, Inc.

If you have any questions, please call me.

*approved 8-7-01*  
*John C. Doerfler*