

AGENDA ITEM 18

Discuss and take any appropriate action on road bond program.

Mike Weaver of Prime Strategies addressed the court concerning right-of-way issues and maintenance issues for environmental requirements.

No action was taken on this agenda item.

AGENDA ITEM 19

Consider negotiating and entering into a contract with Mike Fann & Associates to provide services relating to SH 45 as identified by the Forest North and Spring Wood neighborhoods.

Moved: **Commissioner Heiligenstein**

Seconded: **Commissioner Hays**

Motion: To approve negotiating and entering into a contract with Mike Fann & Associates to provide services relating to SH 45 as identified by the Forest North and Spring Wood neighborhoods.

Vote: **5 - 0**

AGENDA ITEM 20

Consider approving Work Authorization #3 with HDR Engineering regarding Williamson County Bridge replacement.

Moved: **Commissioner Limmer**

Seconded: **Judge Doerfler**

Motion: To approve Work Authorization #3 with HDR Engineering regarding Williamson County Bridge replacement.

Vote: **5 - 0**

< Attachment >

ATTACHMENT A

WORK AUTHORIZATION NO. 3

This Work Authorization is made pursuant to the terms and conditions of the Agreement entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (*the "County"*) and HDR Engineering, Inc. (*the "Engineer"*).

Part 1. The *Engineer* will provide the following engineering services:

Provide Plans, Specifications, and Estimate and Bid package information for the replacement of the timber bridges at C.R. 351, C.R. 406, C.R. 427, C.R. 390, and C.R. 434 as outlined in Attachment B – Scope of Services.

Part 2. The maximum amount payable for services under this Work Authorization without modification is two hundred thirty seven thousand six hundred seventy nine dollars and no cents (\$237,679).

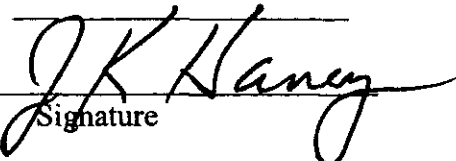
Part 3. Payment to the *Engineer* for the services established under this Work Authorization shall be made in accordance with the Agreement.

Part 4. This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on December 31, 2002, unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

Part 6. This Work Authorization is hereby accepted and acknowledged below.

ENGINEER:

By: 
Signature

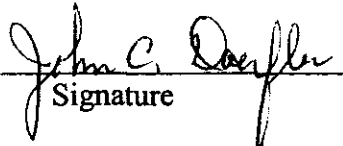
James K. (Ken) Haney, P.E.
Printed Name

Executive Vice President
Title

November 5, 2001
Date

COUNTY:

Williamson County, Texas

By: 
Signature

John C. Doerfler
Printed Name

County Judge
Title

11-13-01
Date

LIST OF EXHIBITS

- Exhibit A - Services to be Provided by County
- Exhibit B - Services to be Provided by Engineer
- Exhibit C - Work Schedule
- Exhibit D - Fee Schedule

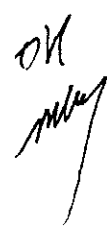
OK


EXHIBIT A

SERVICES TO BE PROVIDED BY THE COUNTY

The COUNTY will provide to the ENGINEER the following:

- Plans of existing facilities in the area of the project.
 - Plans for the existing truss if available.
 - Maps of the project area.
 - Any historic data/ information.
 - Location for truss storage prior to relocation to new site.
 - Location of and access to site for proposed truss relocation site.
 - Provide Geotechnical information for truss relocation site in the format requested below.
 - Plans for the project under which truss relocation site is being constructed.
 - Any studies and reports performed by or for the county, TxDOT or other governmental.
 - TxDOT BRINSAP reports.
 - Williamson County Bid Package.
 - Williamson County Average Bid Tabulations.
 - Any environmental documents or clearances required.
 - All coordination and permitting with governmental agencies (ie US Corp of Engineers, FEMA, etc.).
 - Provide Geotechnical report, foundation recommendations and TxDOT - Wincore formatted borings as follows:
 - CR 406 - two borings for box culvert or bridge foundation design. One sieve analysis of channel bed material for scour analysis if a bridge structure is selected.
 - CR 351 - one boring for box culvert foundation
 - CR 351 - two borings for cutoff wall design for existing head cut in channel. One sieve analysis of channel bed material for hydraulic design.
 - CR 390 - one boring for box culvert foundation.
 - CR 427 - one boring for box culvert foundation.
 - CR 434 - two borings for bridge foundation design. One sieve analysis of channel bed material for scour analysis.
 - Provide existing traffic volumes at each site.
 - Provide ROW information to surveyors.
 - Provide Right-of-Entry for surveyors to enter adjacent properties.
 - Provide bucket truck or boom truck for truss field inspection.
 - Provide any hydraulic analysis for the truss relocation site.
 - Provide microstaion file with the alignment for the truss relocation site.
-

EXHIBIT B

PROJECT SCOPE

Services to be Provided by the Engineer (Provider)

This document outlines the scope of services that will be provided in developing the construction plans for the bridge replacements at CR 406, CR 351, CR 390, CR 427 and CR 434. The development of the plans will concentrate on the use of box culverts where possible and cost effective. The possible bridge sites are CR 406 and CR 427. The bridge at CR 434 spans over Brushy Creek and therefore will be replaced with a bridge. This scope assumes that the bridges will be grouped into either one or two bid packages and the resulting fee estimate will be based on two bid packages. The deliverables will be provided as 50%, 90% and 100% plans. The items for each deliverable are as follows:

I. PROJECT DELIVERABLES

A. 50% deliverable

- (1) Preliminary Title / Index sheet
- (2) Typical Section sheet
- (3) Preliminary Summary sheet (anticipated bid items, excluding quantities)
- (4) Preliminary Plan and profile / Culvert Layout sheet
- (5) Preliminary Bridge Layout sheet (if required)
- (6) Drainage Area Map Sheet
- (7) Preliminary Hydraulic Computation sheet
- (8) Preliminary Detour and Traffic Handling sheet

B. 90% deliverable

- (1) Title / Index sheet
- (2) Typical Section sheet
- (3) Summary sheet
- (4) Plan and profile / Culvert Layout sheet
- (5) Bridge Layout sheet (if required)
- (6) Bridge detail sheets (if required)
- (7) Drainage Area Map Sheet
- (8) Hydraulic Computation sheet
- (9) Detour and Traffic Handling sheet
- (10) General Notes and Specifications
- (11) Preliminary Bid package
- (12) Engineers estimate
- (13) Standards

C. 100% deliverable (Signed and Sealed Mylar 11x17 sheets)

- (1) Title / Index sheet
- (2) Typical Section sheet

- (3) Summary sheet
- (4) Plan and profile / Culvert Layout sheet
- (5) Bridge Layout sheet (if required)
- (6) Bridge Detail sheets (if required)
- (7) Drainage Area Map Sheet
- (8) Hydraulic Computation sheet
- (9) Detour and Traffic Handling sheet
- (10) General Notes and Specifications
- (11) Bid package
- (12) Engineers estimate
- (13) Standards

I. PROJECT MANAGEMENT AND COORDINATION

The Engineer and Contract Manager (hereinafter referred to as Contract Manager) will be responsible for directing and coordinating all activities associated with the Williamson Co. Bridge Replacements 1-5 project. (hereinafter referred to as Project).

A. Kickoff Meeting

The ENGINEER will conduct a kickoff meeting to discuss development of design criteria, typical cross section and general process discussion.

B. Scheduling

The Engineer will develop and modify a graphic project schedule (in Microsoft Project format) indicating tasks, subtasks, critical dates, milestone events, deliverables, and information requested from external agencies. The project schedule will be in a format that depicts the order and interdependence of the various tasks, subtasks, milestones, and deliverables for each task identified herein.

C. TxDOT Coordination

Coordination with the Contract Manager and TxDOT to discuss and formulate an agreement between the County and TxDOT on funding issues for the off-system bridge program as it relates to the County matching funds.

D. Progress Reports, Invoices and Billings

The Engineer will review the schedule and prepare monthly progress reports for review by the Contract Manager. Invoices for all work completed during the period will be submitted monthly for the Engineer and all subproviders. Monthly progress reports will include:

- (1) Activities during the reporting period
- (2) Activities planned for the following month
- (3) Problems encountered and actions to remedy them

E. Project Guide

A project management plan will be prepared to identify project

organization and responsibilities, coordination and communication procedures, project team meetings, document format, report format, technical memorandum format, graphic production standards, and other important operational information pertaining to the Engineer/Project team activities.

F. Sub-Consultant Coordination

The development and maintenance of effective communication among the Project team and other entities will be one of the key factors in achieving the successful completion of the Project. The Engineer will oversee the preparation of all documents and manage all activities as follows:

- (1) **Project Coordination.** All correspondence and coordination will be handled through and with the concurrence of the Contract Manager.
- (2) **Lines of Communication.** Communications between the Engineer and the County will be through the Contract Manager unless otherwise directed in writing by the Contract Manager. The Project Manager will be responsible throughout the Project for management and all communications, including billing, with the Contract Manager.
- (3) **Project Administration** - The Engineer will manage all project activities, including scheduled and unscheduled meetings, project direction of team and staff, and correspondence with and response to the County.
- (4) **Correspondence.** The Engineer will submit all written materials, letters, survey forms, etc. used to solicit information or collect data for the project to the Contract Manager, or designee, for review and acceptance before its use or distribution. Word processing will be prepared using Microsoft Office 97 Professional Office Version or compatible Microsoft Word version 7.0 format. Diskettes will be IBM compatible.
- (5) **Communication with other agencies.** Communications with other agencies regarding this project will be handled solely by the County to ensure all parties are properly notified of any conclusions reached from these communications.
- (6) **Release of Information.** The release of any project related information will be approved by the Contract Manager.
- (7) **Document Printing and Distribution.** The Engineer will be responsible for development of electronic document files and for printing copies of all draft and final documents, reports, etc. produced for the Project except where defined by each specific Task. The County will be responsible for the distribution of all draft and final documents to appropriate agencies and the public.

II. PREPARATION OF PLANS, SPECIFICATIONS & ESTIMATE

A. Plan sheets for Multiple County Road Locations

The Engineer shall prepare a set of sheets that will be used for one complete bid package. It is understood that no more than two bid packages will be prepared for this scope of work. The fee estimate includes the two sets of sheets. The engineer will prepare the following sheets:

- (1) Prepare a combined Title sheet. The Title sheet will identify the location of the county road sites in the project, the index of sheets in the plan set, project type, road names and appropriate signature blocks. This Title sheet shall serve as the basis for a subsequent set of plans.
- (2) Prepare general notes and specifications sheet. The TxDOT 1993 Standard Specifications for Construction of Highways, Streets and Bridges shall be the primary specification.
- (3) Prepare summary of quantities sheet that will include quantities compiled from all county road locations represented in the plan set.
- (4) Locate and plot all appropriate TxDOT standards for project use.
- (5) Prepare estimate of construction cost based on TxDOT average Bid prices for the Austin District supplemented by TxDOT State wide averages and Williamson County average bid prices.
- (6) Prepare Bid package.

B. County Road 406

The Engineer will prepare the following plan sheets:

- (1) Prepare typical section sheet that will include an existing typical section and a proposed typical section. The proposed typical section shall be a 2- twelve foot lanes with 2 foot shoulders, therefore a 28'-0" proposed roadway width will be used.
- (2) Prepare a combined plan & profile and culvert layout sheet. The sheet will include culvert layout information, existing and proposed roadway profile. The Plan view will include the horizontal alignment, fence and ROW lines and transition data from the existing roadway width to a 28' roadway width. The Design speed shall be that which meets or exceeds the existing conditions of the county road unless otherwise designated by the contract manager at the Kickoff meeting. Prepare a Detour Plan sheet to route traffic around the proposed construction site. If a bridge is to be used at this site, a separate sheet will be prepared for a bridge layout (see item (6)).
- (3) Prepare Bridge Layout according to TxDOT standards for preparing bridge layouts. TxDOT Bridge standards will be used for the bridge design details.
- (4) Prepare bridge foundation design based on geotechnical data provided by the County.
- (5) Prepare cost comparison for the required box culvert vs. a bridge to determine the appropriate structure for this location.

- (6) Drainage Area Map Sheet.
- (7) Hydraulic Computation Sheet. This sheet may be combined with the Drainage Area Map if there is sufficient space on the Drainage Area Map sheet exist for the hydraulic computation data. The hydraulic design process will be to perform an analysis to obtain existing conditions and the design criteria will be to meet the existing conditions except where jurisdictional areas require alternate design criteria. The scope assumes that the design criteria will be to meet the existing conditions. Any change will require prior approval of the contract manager and a supplemental agreement.

C. County Road 351

The Engineer will prepare the following plan sheets:

- (1) Prepare typical section sheet that will include an existing typical section and a proposed typical section. The proposed typical section shall be a 2- twelve foot lanes with 2 foot shoulders, therefore a 28'-0" proposed roadway width will be used.
- (2) Prepare a combined plan & profile and culvert layout sheet. The sheet will include culvert layout information, existing and proposed roadway profile. The Plan view will include the horizontal alignment, fence and ROW lines and transition data from the existing roadway width to a 28' roadway width. The Design speed shall be that which meets or exceeds the existing conditions of the county road unless otherwise designated by the contract manager at the Kickoff meeting. Prepare a Detour Plan sheet to route traffic around the proposed construction site.
- (3) Drainage Area Map Sheet.
- (4) Hydraulic Computation Sheet. This sheet may be combined with the Drainage Area Map if there is sufficient space on the Drainage Area Map sheet exist for the hydraulic computation data. The hydraulic design process will be to perform an analysis to obtain existing conditions and the design criteria will consider the bank and channel stabilization. Scour depths and erosion limits will be determined for the plunge pool and two alternatives for grade control will be evaluated for cost and maintenance requirements. The preferred cutoff wall option will be designed to provide stability with a factor of safety of 1.5 during the 100 year flood.
- (5) Prepare details for hydraulic improvements required.

D. County Road 390

The Engineer will prepare the following plan sheets:

- (1) Prepare typical section sheet that will include an existing typical section and a proposed typical section. The proposed typical section shall be a 2- twelve foot lanes with 2 foot shoulders, therefore a 28'-0" proposed roadway width will be used.

- (2) Prepare a combined plan & profile and culvert layout sheet. The sheet will include culvert layout information, existing and proposed roadway profile. The Plan view will include the horizontal alignment, fence and ROW lines and transition data from the existing roadway width to a 28' roadway width. The Design speed shall be that which meets or exceeds the existing conditions of the county road unless otherwise designated by the contract manager at the Kickoff meeting. Prepare a Detour Plan sheet to route traffic around the proposed construction site.
- (3) Drainage Area Map Sheet.
- (4) Hydraulic Computation Sheet. This sheet may be combined with the Drainage Area Map if there is sufficient space on the Drainage Area Map sheet exist for the hydraulic computation data. The hydraulic design process will be to perform an analysis to obtain existing conditions and the design criteria will be to meet the existing conditions except where jurisdictional areas require alternate design criteria. The scope assumes that the design criteria will be to meet the existing conditions. Any change will require prior approval of the contract manager and a supplemental agreement.

E. County Road 427

The Engineer will prepare the following plan sheets:

- (1) Prepare typical section sheet that will include an existing typical section and a proposed typical section. The proposed typical section shall be a 2- twelve foot lanes with 2 foot shoulders, therefore a 28'-0" proposed roadway width will be used.
- (2) Prepare a combined plan & profile and culvert layout sheet. The sheet will include culvert layout information, existing and proposed roadway profile. The Plan view will include the horizontal alignment, fence and ROW lines and transition data from the existing roadway width to a 28' roadway width. The Design speed shall be that which meets or exceeds the existing conditions of the county road unless otherwise designated by the contract manager at the Kickoff meeting. Prepare a Detour Plan sheet to route traffic around the proposed construction site.
- (3) Drainage Area Map Sheet.
- (4) Hydraulic Computation Sheet. This sheet may be combined with the Drainage Area Map if there is sufficient space on the Drainage Area Map sheet exist for the hydraulic computation data. The hydraulic design process will be to perform an analysis to obtain existing conditions and the design criteria will be to meet the existing conditions except where jurisdictional areas require alternate design criteria. The scope assumes that the design criteria will be to meet the existing conditions. Any change will require prior approval of the contract manager and a supplemental agreement.

F. County Road 434

The Engineer will prepare the following plan sheets:

- (1) Prepare typical section sheet that will include an existing typical section and a proposed typical section. The proposed typical section shall be a 2- twelve foot lanes with 2 foot shoulders, therefore a 28'-0" proposed roadway width will be used.
- (2) Prepare plan & profile sheet. The sheet will include existing and proposed roadway profile. The Plan view will include the horizontal alignment, fence and ROW lines and transition data* from the existing roadway width to a 28' roadway width. The Design speed shall be that which meets or exceeds the existing conditions of the county road unless otherwise designated by the contract manager at the Kickoff meeting. Prepare a Detour Plan sheet to route traffic around the proposed construction site.
- (3) Drainage Area Map Sheet.
- (4) Hydraulic Computation Sheet. This sheet may be combined with the Drainage Area Map if there is sufficient space on the Drainage Area Map sheet exist for the hydraulic computation data. The hydraulic design process will be to perform an analysis to obtain existing conditions and the design criteria will be to meet the existing conditions except where jurisdictional areas require alternate design criteria. The scope assumes that the design criteria will be to meet the existing conditions. Any change will require prior approval of the contract manager and a supplemental agreement.
- (5) Prepare Bridge Layout according to TxDOT standards for preparing bridge layouts. TxDOT Bridge standards will be used for the bridge design details.
- (6) The column and drilled shaft analysis will be based on the TxDOT standard column and drilled shaft. Based on the analysis, an appropriate column and drilled shaft will be designed and detailed.
- (7) Prepare foundation design based on geotechnical data provided by the County.
- (8) Site visits and field investigation of existing truss. Tasks to be performed during the field investigation include the physical measurement of each truss and floor system member (length and section measurements), preparing field sketches of all member connection details, locate member markings to determine fabricator and date, determine locations where the truss can be disassembled for transporting to new location, and the thickness and condition of the existing deck.
- (9) Perform structural analysis of existing truss to be used as a pedestrian / bicycle bridge.
- (10) Perform analysis of truss for temporary conditions during disassembly, relocation, and reassembly.
- (11) Prepare details and specifications for truss disassembling, transporting, storage.
- (12) Prepare specification for the removal of existing lead based paint

- and repainting.
- (13) Prepare details and specifications for truss transporting and reassembling at the new location. The HDR details will be included in plans prepared by others for the Brushy Creek Trail.
 - (14) Prepare truss repair details. The HDR details will be included in plans prepared by others for the Brushy Creek Trail.
 - (15) Prepare truss retrofit details. The HDR details will be included in plans prepared by others for the Brushy Creek Trail.
 - (16) Prepare new truss foundation details for proposed relocation site. A plan view of the foundation locations will be included. The HDR details will be included in plans prepared by others for the Brushy Creek Trail.
 - (17) Prepare pedestrian barrier details. The HDR details will be included in plans prepared by others for the Brushy Creek Trail.

III. FIELD & HYDRAULIC SURVEYING AND ROW DETERMINATION

A. Field and ROW Survey

The Engineer's subconsultant will provide field surveying and ROW determination based on information provided by the county for the above mentioned county road bridge sites. The limits of the survey will be from ROW line to ROW line. The survey shall extend for a distance of 300 foot either side of the bridge ends. The ROW lines shall be included in the field survey.

B. Hydraulic Survey

The Engineer's subconsultant will provide hydraulic surveying for the above mentioned county road bridge sites. The Engineer's subconsultant will provide five hydraulic cross- sections located along the channel at the following distance:

- (1) One cross-section located 2 to 3 bridge lengths upstream of the bridge face.
- (2) One cross-section located at the upstream face of the bridge.
- (3) One cross-section located at the downstream face of the bridge.
- (4) One cross-section located 2 to 3 bridge lengths downstream of the bridge face
- (5) One cross-section located 5 to 6 bridge lengths downstream of the bridge face.

C. Additional Hydraulic Survey

The Engineer's subconsultant will provide topographic survey of the plunge pool for the County Road 351 site. The topo will extend from top of bank to top of bank and include the change in depth of the existing plunge pool. The two hydraulic cross-sections located downstream of the bridge shall be take at 2-3 bridge lengths and 5-6 bridge lengths down stream of the plunge pool. All other hydraulic cross sections shall be taken at the location described above.

IV. CONSTRUCTION PHASE SERVICES

Services for the construction phase will be provided under a supplemental agreement.

Williamson County Bridges Fee Estimate

11/13/2001

Scope Item No.	Williamson County Bridges Task Description	QA/QC	PM/ Sr. Eng	Design Eng	Staff Eng	EIT	Sr. Struct. Tech	Clerical	Total Raw Labor
Project Tasks / Labor Rates									
1	Project Management and Coordination	32	56	14	0	4	60	32	\$7,533.00
2	PS&E Bid Package Number 1 Development	4	15	35	0	12	32	0	\$3,558.00
3	PS&E Bid Package Number 2 Development	4	15	35	0	12	32	0	\$3,558.00
4	County Road 406	0	21	24	32	62	84	2	\$6,882.50
5	County Road 351	0	24	8	0	12	48	0	\$3,112.00
	County Road 351 Hyd. Des.	0	18	8	68	38	48	2	\$5,541.00
6	County Road 390	0	21	8	32	32	60	2	\$4,810.50
7	County Road 427	0	21	8	32	32	60	2	\$4,810.50
8	County Road 434	0	45	24	48	88	92	2	\$9,294.50
9	County Road 434 Truss	0	40	76	0	104	88	0	\$9,918.00
	Totals	40	276	240	212	396	604	42	\$59,018.00
Total Direct Expenses									
	Postage (regular mail)	0.9 lot				\$100.00			\$90.00
	Copies /Prints (8.5X11}	1300.0 Each				\$0.06			\$78.00
	Copies/ Prints (11X17)	960.0 Each				\$0.15			\$144.00
	Plots	300.0 Sq Ft				\$1.50			\$450.00
	MYLAR(11x17) is full size	65.0 Each				\$2.25			\$146.25
	Postage (express mail)	7.0 Each				\$15.00			\$105.00
	Telephone	0.9 Lot				\$150.00			\$127.50
	Car Mileage/ Rental Car	1100.0 Mile				\$0.35			\$379.50
	Bridge Inspection Equipment Rental	1.0 Lot				\$500.00			\$500.00
	Computers (Engineering)	366.0 Hrs.				\$10.00			\$3,660.00
	Computers	901.0 Hrs.				\$15.00			\$13,515.00
	Direct Expense Total								\$19,195.25

Total Direct Labor	\$59,018
Overhead	\$95,946
Subtotal	\$154,964
Total 15% Fixed Fee	\$23,245
Total Direct Expenses	\$19,195
HDR Total	\$197,404

Inland Civil Associates, LLC (Project Survey)	Totals	\$40,275
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Contract Total \$237,679

RECORDERS MEMORANDUM
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clearly legible for satisfactory recordation.

Williamson County Bridges

RECORDERS MEMORANDUM
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clearly legible for satisfactory recordation.

Task No.	Williamson County Bridges Task Description	QA/QC	PM/ Sr Eng	Design Eng	Staff Eng	EIT	Sr Design Tech	Clerical	Total Raw Labor
	Labor Rates	65.00	44.50	39.50	30.00	24.00	30.00	16.00	
1.0	Project Management and Coordination								
1.A	Kickoff Meeting		8	4			4		\$634.00
1.B	Scheduling		4			4			\$274.00
1.C	TxDOT Coordination		8						\$356.00
1.D	Progress Reports, Invoices, & Billings		12					12	\$726.00
1.E	Prepare Project Guide			6				16	\$493.00
1.F	Subconsultant Coordination		8						\$356.00
1.G	Project Closeout		4				16	4	\$722.00
1.H	Site Visit		8	4			16		\$994.00
1.I	QA/QC	32	4				24		\$2,978.00
	Project Management and Coordination	32	56	14	0	4	60	32	\$7,533.00
	Coordination								
	Direct Expenses	UNITS				RATE			
	Postage (regular mail)	0.5 lot				100.00			\$50.00
	Copies /Prints (8.5X11)	400 Each				0.06			\$24.00
	Copies/ Prints (11X17)	100 Each				0.15			\$15.00
	Plots	0 Sq Ft				1.50			\$0.00
	MYLAR(11x17) is full size	0 Each				2.25			\$0.00
	Postage (express mail)	3 Each				15.00			\$45.00
	Telephone	0.5 lot				150.00			\$75.00
	Car Mileage/ Rental Car	200 Mile				0.35			\$69.00
	Bridge Inspection Equipment Rental	0 Lot				500.00			\$0.00
	Computers (Engineering)	30 Hrs.				10.00			\$300.00
	Computers	58 Hrs.				15.00			\$870.00
	Direct Expense Total								\$1,448.00

Total Direct Labor

Overhead 162.57%

Subtotal

Total 15% Fixed Fee

Total Direct Expenses

HDR Total

\$7,533.00

\$12,246.40

\$19,779.40

\$2,966.91

\$1,448.00

\$24,194.31

RECORDERS MEMORANDUM

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Task No.	Williamson County Bridges Task Description	QA/QC	PM/ Sr Eng	Design Eng	Staff Eng	EIT	Sr. Struct. Tech	Clerical	Total Raw Labor
	Labor Rates	65.00	44.50	39.50	30.00	24.00	30.00	16.00	
2.0	PS&E Bid Package Number 1 Development								
2.A	Plan Sheets for Multiple County Road Locations								
2.A.1	Prepare Combined Title Sheet		1			4			\$140.50
2.A.2	Prepare Gen. Notes & Specifications Sheet		4	8		8	4		\$806.00
2.A.3	Prepare Summary of Quantities Sheet		1	8			16		\$840.50
2.A.4	Identify TxDOT Standard Sheets			4			4		\$278.00
2.A.5	Prepare Estimate of Construction Cost		1	7					\$321.00
2.A.6	Prepare Bid Package	4	8	8			8		\$1,172.00
	Plan Sheets for Multiple County	4	15	35	0	12	32	0	\$3,558.00
	Road Locations								
	Direct Expenses	UNITS				RATE			
	Postage (regular mail)	0.25 lot				100			\$25.00
	Copies /Prints (8.5X11)	100 Each				0.06			\$6.00
	Copies/ Prints (11X17)	100 Each				0.15			\$15.00
	Plots	0 Sq Ft				1.5			\$0.00
	MYLAR(11x17) is full size	60 Each				2.25			\$135.00
	Postage (express mail)	2 Each				15			\$30.00
	Telephone	0.2 Lot				150			\$30.00
	Car Mileage/ Rental Car	0 Mile				0.345			\$0.00
	Bridge Inspection Equipment Rental	0 Lot				500			\$0.00
	Computers (Engineering)	25 Hrs.				10			\$250.00
	Computers	40 Hrs.				15			\$600.00
	Direct Expense Total								\$1,091.00

Total Direct Labor	\$3,558.00
Overhead	\$5,784.24
Subtotal	\$9,342.24
Total 15% Fixed Fee	\$1,401.34
Total Direct Expenses	\$1,091.00
HDR Total	\$11,834.58

Williamson County Bridges

RECORDERS MEMORANDUM
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Task No	Williamson County Bridges Task Description	QA/QC		Design Eng		Staff Eng		EIT		Sr. Struct. Tech		Clerical		Total Raw Labor
	Labor Rates	65.00		44.50	39.50	30.00	24.00	30.00		16.00				
2.0	PS&E Bid Package Number 2 Development													
2.A	Plan Sheets for Multiple County Road Locations													
2.A.1	Prepare Combined Title Sheet		1		8		4							\$140.50
2.A.2	Prepare Gen. Notes & Specifications Sheet		4		8		8			4				\$806.00
2.A.3	Prepare Summary of Quantities Sheet		1		8					16				\$840.50
2.A.4	Identify TxDOT Standard Sheets				4					4				\$278.00
2.A.5	Prepare Estimate of Construction Cost		1		7									\$321.00
2.A.6	Prepare Bid Package	4	8		8					8				\$1,172.00
	Plan Sheets for Multiple County	4	15	35	0	12	32	0						\$3,558.00
	Road Locations													
	Direct Expenses	UNITS		RATE										
	Postage (regular mail)	0.15	lot				100							\$15.00
	Copies /Prints (8.5X11)	100	Each				0.06							\$6.00
	Copies/ Prints (11X17)	60	Each				0.15							\$9.00
	Plots	0	Sq Ft				1.5							\$0.00
	MYLAR(11x17) is full size	5	Each				2.25							\$11.25
	Postage (express mail)	2	Each				15							\$30.00
	Telephone	0.15	Lot				150							\$22.50
	Car Mileage/ Rental Car	0	Mile				0.345							\$0.00
	Bridge Inspection Equipment Rental		Lot				500							\$0.00
	Computers (Engineering)	25	Hrs.				10							\$250.00
	Computers	40	Hrs.				15							\$600.00
	Direct Expense Total													\$943.75

Total Direct Labor	\$3,558.00
Overhead 162.57%	\$5,784.24
Subtotal	\$9,342.24
Total 15% Fixed Fee	\$1,401.34
Total Direct Expenses	\$943.75
HDR Total	\$11,687.33

Williamson County Bridges

RECORDERS MEMORANDUM

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Total Direct Labor		\$6,882.50
Overhead	162.57%	\$11,188.88
Subtotal		\$18,071.38
Total 15% Fixed Fee		\$2,710.71
Total Direct Expenses		\$2,525.50
HDR Total		\$23,307.59

Williamson County Bridges

RECORDERS MEMORANDUM

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Task No.	Williamson County Bridges Task Description	QA/QC		PW		Design Eng		Staff Eng		EIT		Sr. Supt. Tech.		Clerical		Total Raw Labor
				St	Eng											
	Labor Rates	65.00		44.50	39.50	30.00	24.00	30.00	16.00							
2.0	PS&E Development															
2.C	County Road 351															
2.C.1	Prepare Roadway Typical Section Sheet			4	4					4		8				\$672.00
2.C.2	Prepare Plan, Profile & Culvert Layout Sheet			16						8		32				\$1,864.00
2.C.2	Prepare Detour Sheet			4	4							8				\$576.00
	County Road 351	0		24	8	0	12	48	0							\$3,112.00
	Direct Expenses															
	Postage (regular mail)	0 Lot								\$100.00						\$0.00
	Copies /Prints (8.5X11)	100 Each								\$0.06						\$6.00
	Copies/ Prints (11X17)	100 Each								\$0.15						\$15.00
	Plots	50 Sq Ft								\$1.50						\$75.00
	MYLAR(11x17) is full size	0 Each								\$2.25						\$0.00
	Postage (express mail)	0 Each								\$15.00						\$0.00
	Telephone	0 Lot								\$150.00						\$0.00
	Car Mileage/ Rental Car	100 Mile								\$0.35						\$34.50
	Bridge Inspection Equipment Rental	0 Lot								\$500.00						\$0.00
	Computers (Engineering)	18 Hrs.								\$10.00						\$180.00
	Computers	54 Hrs.								\$15.00						\$810.00
	Direct Expense Total															\$1,120.50

Total Direct Labor	\$3,112.00
Overhead	\$5,059.18
Subtotal	\$8,171.18
Total 15% Fixed Fee	\$1,225.68
Total Direct Expenses	\$1,120.50
HDR Total	\$10,517.36

Williamson County Bridges

RECORDERS MEMORANDUM
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clearly legible for satisfactory recordation.

Task No.	Williamson County Bridges Task Description	QA/QC	PM/		Design Eng	Staff Eng	EIT	Sr Struct	Clerical	Total Raw Labor
			Sr	Eng						
Labor Rates										
2.0	PS&E Development									
2.C	County Road 351 Hyd. Des.									
2.C.3	Prepare Drainage Area Map Sheet				8		4	4	2	\$564.00
2.C.4	Prepare Hydraulic Computation Sheet					68	20	24		\$3,240.00
2.C.5	Prepare Details for Hydraulic Improvements			18			14	20		\$1,737.00
	County Road 351 Hyd. Des.	0	18	8	68	38	48	2		\$5,541.00
Direct Expenses										
	Postage (regular mail)	0 lot					\$100.00			\$0.00
	Copies /Prints (8.5X11)	100 Each					\$0.06			\$6.00
	Copies/ Prints (11X17)	100 Each					\$0.15			\$15.00
	Plots	50 Sq Ft					\$1.50			\$75.00
	MYLAR(11x17) is full size	0 Each					\$2.25			\$0.00
	Postage (express mail)	0 Each					\$15.00			\$0.00
	Telephone	0 lot					\$150.00			\$0.00
	Car Mileage/ Rental Car	100 Mile					\$0.35			\$34.50
	Bridge Inspection Equipment Rental	0 lot					\$500.00			\$0.00
	Computers (Engineering)	26 Hrs.					\$10.00			\$260.00
	Computers	77 Hrs.					\$15.00			\$1,155.00
	Direct Expense Total									\$1,545.50
<div style="display: flex; justify-content: space-between;"> <div> Total Direct Labor \$5,541.00 </div> <div> Overhead 162.57% </div> <div> Subtotal \$9,008.00 </div> </div>										
<div style="display: flex; justify-content: space-between;"> <div> Total 15% Fixed Fee \$2,182.35 </div> <div> Total Direct Expenses \$1,545.50 </div> <div> HDR Total \$18,276.85 </div> </div>										

Williamson County Bridges

RECORDERS MEMORANDUM

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Task No.	Williamson County Bridges Task Description	QA/QC	PM/ Sr. Eng	Design Eng	Staff Eng	EIT	Sr. Struct. Tech	Clerical	Total Raw Labor
Labor Rates									
		55.00	44.50	39.50	30.00	24.00	30.00	16.00	
2.0	PS&E Development								
2.E	County Road 427								
2.E.1	Prepare Roadway Typical Section Sheet		1	4		4	8		\$538.50
2.E.2	Prepare Plan, Profile & Culvert Layout Sheet		16			8	32		\$1,864.00
2.E.2	Prepare Detour Sheet		4	4			8		\$576.00
2.E.3	Prepare Drainage Area Map Sheet				8	4	4	2	\$488.00
2.E.4	Prepare Hydraulic Computation Sheet				24	16	8		\$1,344.00
	County Road 427	0	21	8	32	32	60	2	\$4,810.50
	Direct Expenses	UNITS	RATE						
	Postage (regular mail)	0 lot							\$0.00
	Copies /Prints (8.5X11)	100 Each							\$6.00
	Copies/ Prints (11X17)	100 Each							\$15.00
	Plots	50 Sq Ft							\$75.00
	MYLAR(11x17) is full size	0 Each							\$0.00
	Postage (express mail)	0 Each							\$0.00
	Telephone	0 Lot							\$0.00
	Car Mileage/ Rental Car	100 Mile							\$34.50
	Bridge Inspection Equipment Rental	Lot							\$0.00
	Computers (Engineering)	24 Hrs.							\$240.00
	Computers	83 Hrs.							\$1,245.00
	Direct Expense Total								\$1,615.50
<div> <div>Total Direct Labor</div> <div>\$4,810.50</div> </div> <div> <div>Overhead</div> <div>162.57%</div> </div> <div> <div>Subtotal</div> <div>\$7,820.43</div> </div> <div> <div>Total 15% Fixed Fee</div> <div>\$12,630.93</div> </div> <div> <div>Total Direct Expenses</div> <div>\$1,894.64</div> </div> <div> <div>HDR Total</div> <div>\$1,615.50</div> </div> <div> <div></div> <div>\$16,141.07</div> </div>									

Williamson County Bridges

Task No.	Williamson County Bridges Task Description	QA/QC	PM/ Sr Eng	Design Eng	Staff Eng	EST	Sr. Struct Tech	Client	Total Raw Labor
	Labor Rates	65.00	44.50	39.50	30.00	24.00	30.00	15.00	
2.0	PS&E Development								
2.F	County Road 434								
2.F.1	Prepare Roadway Typical Section Sheet		1	4		4	8		\$538.50
2.F.2	Prepare Plan & Profile Sheet		16			8	32		\$1,864.00
2.F.2	Prepare Detour Sheet		4	4			8		\$576.00
2.F.3	Prepare Drainage Area Map Sheet					8	4	2	\$488.00
2.F.4	Prepare Hydraulic Computation Sheet					40	16		\$2,256.00
2.F.5	Prepare Bridge Layout Sheet & TxDOT Stds.		12			16	24		\$1,638.00
2.F.6	Perform Column & Drilled Shaft Design		8	16		24			\$1,564.00
2.F.7	Prepare Foundation Design		4			8			\$370.00
									\$0.00
	County Road 434	0	45	24	48	88	92	2	\$9,294.50
Direct Expenses									
	Postage (regular mail)	0 lot				100			\$0.00
	Copies /Prints (8.5X11)	100 Each				0.06			\$6.00
	Copies/ Prints (11X17)	100 Each				0.15			\$15.00
	Plots	50 Sq Ft				1.5			\$75.00
	MYLAR(11x17) is full size	0 Each				2.25			\$0.00
	Postage (express mail)	0 Each				15			\$0.00
	Telephone	0 Lot				150			\$0.00
	Car Mileage/ Rental Car	200 Mile				0.345			\$69.00
	Bridge Inspection Equipment Rental	0 Lot				500			\$0.00
	Computers (Engineering)	63 Hrs.				10			\$630.00
	Computers	162 Hrs.				15			\$2,430.00
	Direct Expense Total								\$3,225.00

Total Direct Labor	\$9,294.50
Overhead	\$15,110.07
Subtotal	\$24,404.57
Total 15% Fixed Fee	\$3,660.69
Total Direct Expenses	\$3,225.00
HDR Total	\$31,290.25

RECORDERS MEMORANDUM
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Task No.	Williamson County Bridges Task Description	QA/QC		PM/		Design		Staff		EIT		Sr. Struct. Tech.		Clerical		Total Raw Labor
		Sr.	Eng	Sr.	Eng	Eng	Eng	Eng	Eng	Eng	Eng	Eng	Eng			
	Labor Rates	65.00		44.50		39.50		30.00		24.00		30.00		16.00		
2.0	PS&E Development															
2.F	County Road 434 Truss															
2.F.8	Field Investigation of Existing Truss Bridge			12		24				24						\$2,058.00
2.F.9	Perform Truss Analysis for Pedestrian Use			6		12				18						\$1,173.00
2.F.10	Analyze Truss for Temp. Const. Conditions			6		12				18						\$1,173.00
2.F.11	Prepare Details for Truss Disassembly			2		4				8		16				\$919.00
2.F.12	Prepare Shop Painting Specification			4		6										\$415.00
2.F.13	Prepare Details for Truss Reassembly			2		4				8		16				\$919.00
2.F.14	Prepare Truss Repair Details			2		4				8		16				\$919.00
2.F.15	Prepare Truss Retrofit Details			2		4				10		16				\$967.00
2.F.16	Prepare New Truss Foundation Details			4		4				8		16				\$1,008.00
2.F.17	Prepare Pedestrian Barrier Details on Truss					2				2		8				\$367.00
	County Road 434 Truss	0		40		76		0		104		88		0		\$9,918.00
	Direct Expenses	UNITS								RATE						
	Postage (regular mail)	0 lot								100						\$0.00
	Copies /Prints (8.5X11)	100 Each								0.06						\$6.00
	Copies/ Prints (11X17)	100 Each								0.15						\$15.00
	Plots	0 Sq Ft								1.5						\$0.00
	MYLAR(11x17) is full size	0 Each								2.25						\$0.00
	Postage (express mail)	0 Each								15						\$0.00
	Telephone	0 Lot								150						\$0.00
	Car Mileage/ Rental Car	200 Mile								0.345						\$69.00
	Bridge Inspection Equipment Rental	1 Lot								300						\$300.00
	Computers (Engineering)	88 Hrs.								10						\$880.00
	Computers	173 Hrs.								15						\$2,595.00
	Direct Expense Total															\$3,865.00

Total Direct Labor	\$9,918.00
Overhead	162.57%
Subtotal	\$16,123.69
Total 15% Fixed Fee	\$26,041.69
Total Direct Expenses	\$3,906.25
HDR Total	\$3,865.00
	\$33,812.95

RECORDERS MEMORANDUM
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legibly scanned at the resolution.

**INLAND CIVIL
ASSOCIATES****SURVEYORS ♦ ENGINEERS**Tel. 512-238-1200 • Fax 512-238-1251
308 West Main Street • Round Rock, TX 78664

5 November 2001

Mr. George Tillet, P.E.
HDR Engineering, Inc.
2211 South IH 35, Ste 300
Austin, TX 78741

RE: Topographic Surveys for Bridge Replacement, 5 Sites, Williamson County, TX

Mr. Tillet

Inland Civil Associates, L.L.C. (Inland) is pleased to submit our proposal for professional land surveying services related to the above referenced project. Our proposal is to provide a topographic survey and owner and right-of-way determinations for the bridge replacement sites in Williamson County, TX. Please note that no schedule for work completion was provided. Below is a specific list of our proposed Scope of Services and Basis for Compensation.

SCOPE OF SERVICES

A. Please refer to Exhibit B provided by Client

BASIS OF COMPENSATION

We propose to provide the above described Scope of Services on an Estimated **Cost/Plus** basis with a not to exceed amount of:

A. Topographic Surveys \$ 40,275.00

The not to exceed amounts proposed above are based on personnel time required to perform the described Scope of Services. Additional time requirements resulting from project scope changes or plan revisions beyond our control will be considered reasonable cause for us to seek additional compensation for services not included in these amounts. Such services may be compensated for on an hourly charge basis or at a mutually agreed lump sum and will not be provided without prior authorization. The estimated amount does not include sales tax, which is mandated by State law on certain types of surveys..

Thank you for the opportunity to submit this proposal. We appreciate your consideration of our firm in this regard and look forward to being of service to you.

Sincerely,

M. Stephen Truesdale by L.H.
M. Stephen Truesdale, R.P.L.S., L.S.L.S.
Associate

AGENDA ITEM 21

Discuss and take any appropriate action on jail/courthouse annex expansion.

Jim Broaddus with Broaddus & Associates announced that approval was obtained from the Georgetown Planning and Zoning Commission for the jail/courthouse annex expansion project, and that it would be validated at the Georgetown City Council meeting tonight. He stated that construction should begin in December 2001. He also gave an update on the project budget.

Moved: **Judge Doerfler**

Seconded: **Commissioner Heiligenstein**

Motion: To accept the updated budget report as the pending budget report as of November 13, 2001.

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

< Attachment >