

AGENDA ITEM 34

Consider approving new construction contract on road projects.

Moved: **Commissioner Heiligenstein**

Seconded: **Commissioner Hays**

Motion: To postpone action on this agenda item until the August 7, 2001 meeting.

Vote: **3 - 0**

AGENDA ITEM 35

Consider approving addendum to Cedar Breaks professional services agreement with PBS&J for Shell Road extension.

Moved: **Commissioner Hays**

Seconded: **Commissioner Heiligenstein**

Motion: To approve addendum to Cedar Breaks professional services agreement with PBS&J for Shell Road extension in the amount of \$237,000.00.

Vote: **3 - 0**

< Attachment >



PROFESSIONAL SERVICE AGREEMENT ADDENDUM

Addendum No. 2

THIS ADDENDUM to the AGREEMENT, made and entered into July 24, 2001, by and between Post, Buckley, Schuh & Jernigan, Inc. (PBS&J) and the Client identified herein, provides for the Additional Services described under Item 1 of this Agreement.

CLIENT: Williamson County

PROJECT NUMBER: 440717.02 (WC 1055)

SHORT TITLE OF MAIN CONTRACT: Cedar Breaks Road

SHORT TITLE OF ADDENDUM: Shell Road Realignment

1. DESCRIPTION OF ADDITIONAL PROFESSIONAL SERVICES TO BE PROVIDED BY PBS&J

(If additional pages are necessary, they are identified as Attachment A):

Develop PS&E documents for the realignment of Shell Road from the intersection of FM 2338 and Cedar Breaks Road to 0.75 mi north of FM 2338 along the PID agreed to ROW. Services to be provided by the County and Engineer are further detailed in Exhibits A & B. Deliverables will be delivered to Prime Strategies, Road Bond Manager, attention Mike Weaver, on or before February 15, 2002.

2. THE COMPENSATION TO BE PAID PBS&J for providing the requested services shall be

(If additional pages are necessary, they are identified as Attachment B):

- ☐ Direct personnel expense plus a surcharge of _____, plus reimbursable costs.
- ☒ A Lump-Sum charge of \$ 239,734, plus out-of-pocket expenses.
- ☐ Unit Cost/Time Charges identified in Attachment B, plus reimbursable costs.
- ☐ In accordance with the provisions for additional services compensation set forth in the aforementioned Agreement.
- ☐ Other - See Attachment B

OK

IN WITNESS WHEREOF, this Addendum is accepted on the later date written below, subject to the terms and conditions above stated, and the aforementioned Agreement.

CLIENT: Williamson County
SIGNED: John C. Doerfler
TYPED NAME: John C. Doerfler
TITLE: Williamson County Judge
DATE: 7-26-01

POST, BUCKLEY, SCHUH & JERNIGAN, INC.
SIGNED:
TYPED NAME: Tracy Mill, P.E.
TITLE: Vice President
DATE: 7/23/01

Shell Road Re-Alignment

Limits: FM 2338 to 0.75 Mi N of FM 2338

Project Number: WC 1055

Williamson County

PROJECT DESCRIPTION: Grading, Structures, Base & Surfacing

Project Classification: New Location

Addendum #2

to Original Cedar Breaks

Contract

EXHIBIT A

Services to be provided by the County

Williamson County will furnish to the Engineer the following items/information:

FC110 ROUTE AND DESIGN STUDIES

1. Issue Notice to Proceed
2. Provide copies of existing environmental reports
3. Assist in obtaining right of entry (ROE)
4. Review and approve geometric design criteria
5. Furnish Engineer with originals or copies of any existing uncontrolled mosaics, controlled flight data, or "as-built" plans
6. Review and approve construction sequencing
7. Provide any applicable County standards to be used in lieu of TxDOT standards
8. Review and approve boring plan
9. Review and approve pavement design

FC130 RIGHT-OF-WAY & UTILITIES

1. Furnish a list of utility contact persons and copies of utility information gathered to date.

FC160 ROADWAY DESIGN CONTROLS

1. Verify design criteria and general guidelines for project development.

FC161 DRAINAGE

1. Verify criteria for design of drainage improvements.
2. Provide any existing drainage studies on hydraulic data if available.

FC163 MISCELLANEOUS

1. Review and approve Project Control Plan (PCP)
2. Provide General Notes to be used in lieu of TxDOT General Notes
3. Review and approve Special Specifications
4. Review and approve Special Provisions
5. Review and approve Design Schedule
6. Provide Timely Review for 30%, 60%, 90%, and 100% submittals

Shell Road Re-Alignment**Limits: FM 2338 to 0.75 Mi N of FM 2338****Project Number: WC 1055****Williamson County****PROJECT DESCRIPTION: Grading, Structures, Base & Surfacing****Project Classification: New Location****Addendum #2****to Original Cedar Breaks****Contract****EXHIBIT B****Services to be provided by the Engineer**

The **Engineer** shall provide the following engineering services required for the preparation of the plans, specifications and estimates (PS&E) and related documents for the above project.

This Work Authorization covers engineering, surveying, and geotechnical services for extending the limits of the existing Cedar Breaks contract to the limits shown above.

This re-alignment involves connecting proposed Cedar Breaks to existing Shell Road as shown on the attached exhibit. It also involves the addition of a traffic signal at the intersection of FM 2338 and Cedar Breaks Road.

The preliminary engineering phase will involve developing design criteria, typical sections, and preliminary geometrics in accordance with published Williamson County standards and accepted engineering practice. The typical section for this project consists of 2-12' lanes and 2-10' shoulders for a total pavement width of 44'.

The detailed design includes plans, specifications, and estimates and will proceed immediately after approval of the preliminary engineering by the Road Bond Manager and a Notice to Proceed is issued.

The following is a summary of the tasks required to complete the project. These tasks are replicated in the fee estimate:

FC110 ROUTE AND DESIGN STUDIES

- 1) Geometric design criteria (Design Summary Report)
- 2) Preliminary schematic
- 3) Preliminary construction cost estimates
- 4) Preliminary ROW requirements
- 5) Digital terrain model (DTM)
- 6) Develop pavement design

FC150 FIELD SURVEYING AND PHOTOGRAMMETRY

- 1) Provide horizontal and vertical project control points
- 2) Re-establish control to tie into proposed Cedar Breaks
- 3) Identify all necessary property owners and property corners necessary to establish Right-of-Way locations
- 4) Cross-section proposed corridor from 20' outside of ROW to 20' outside of ROW (160' strip) @ 50' intervals (cross section pattern)

- 5) Cross-section 1000' of FM 2338 (500' northwest of proposed Shell Road and 500' southeast of proposed Shell Road) from 20' outside of ROW to 20' outside @ 50' intervals (cross section pattern)
- 6) Cross-section 1000' of Existing Shell Road (500' northeast and 500' southwest) of proposed Shell Road tie-in from 20' outside of ROW to 20' outside of ROW @ 50' intervals (cross section pattern)
- 7) Cross-section 500' of Sequoia Spur from 20' outside of ROW to 20' outside of ROW @ 50' intervals (cross section pattern)
- 8) Cross-section 200' of proposed Vista Verde Road from 20' outside of Proposed ROW to 20' outside of Proposed ROW @ 50' intervals outside of proposed 120' Shell Road ROW (cross section pattern)
- 9) Provide all culvert flow line elevations and sizes along each surveyed corridor
- 10) Bore hole staking (approx. 11 bore holes)
- 11) FM 2338 intersection details
 - a) Provide TxDOT ROW maps
- 12) Utility research and location
 - a) "One Call"
 - b) Record franchise utility run
 - c) Survey horizontal and vertical locations (inverts, pot hole if necessary) of all visible utilities within each surveyed corridor (letters will be sent to each effected utility company for verification)
- 13) Topo densification
- 14) Data reduction
- 15) DTM creation and deliverable:
- 16) Prepare a 2D Microstation SE/J file showing all planimetric details and features of the survey, as per TxDOT level structure
- 17) A 3D Microstation SE/J file will be prepared, which will include all breaklines, contours and elevation points obtained from the survey
- 18) Provide a GEOPAK "TIN" file

All elements in the 2D/3D Microstation SE/J file must be placed in separate levels as shown in the TxDOT survey symbology list. A digital terrain model (DTM) TIN file will be prepared in GEOPAK 2000 format for this project.

Survey Deliverables

- 1) 2D Microstation SE/J Planimetric file, with accompanying level structure.
- 2) 3D Microstation SE/J Digital Terrain Model (DTM) file with the following structure:
 - (a) Breaklines - level 50
 - (b) Spots - level 51
 - (c) Elevations - level 52
 - (d) Point Numbers - level 53
 - (e) Major Contours - level 54
 - (f) Minor Contours - level 55
 - (g) Triangles - level 56
- 3) ASCII text file with point descriptions
- 4) Level structure for each Microstation SE/J file.

FC160 ROADWAY DESIGN CONTROLS

- 1) Finalize roadway geometry

- 2) Plan Preparations (Roadway)
 - a) Title sheet
 - b) Index of sheets
 - c) Typical Sections
 - i) Existing
 - ii) Proposed
 - d) Plan & Profiles (1"=50')
 - i) Shell Road
 - e) Design roadway cross-sections (50' intervals)
 - f) Earthwork calculations
 - g) Assemble Standards
 - h) Perform QA/QC

FC161 DRAINAGE

- 1) Data
 - a) Data Gathering
 - b) USGS Digital Maps
 - c) Soils/Landuse
- 2) Drainage area map
- 3) Hydrology (Flow Determination)
- 4) Outfall determination/analysis
- 5) Hydraulic design
 - a) Culvert analysis
- 6) Storm Water Pollution Prevention Plan (1"=50')
- 7) Water Pollution Abatement Plan (if necessary)
 - a) Determination of BMP's
 - b) Design of BMP's
 - c) Completion of Forms
- 8) Drainage Details
 - a) Culvert layouts
 - b) Outfall channels
- 9) Assemble TxDOT Standards
- 10) Perform QA/QC

FC162 SIGNING, MARKINGS AND SIGNALIZATION

- 1) Develop Signal Layout (1"=40') (FM 2338 at Shell Road (Proposed Cedar Breaks))
- 2) Develop Signing & Pavement Marking Layouts (1"=50')
- 3) Assemble TxDOT Standards
- 4) Perform QA/QC

FC163 MISCELLANEOUS

- 1) Quantity take-offs and summaries
- 2) Miscellaneous Roadway Details (if applicable)
- 3) Traffic Control Plan
 - i) Layouts (1"=50')
 - ii) Detours (1"=500')

- 4) Prepare Invoices (6)
- 5) Project Management
- 6) Manage Subconsultants

DELIVERABLES

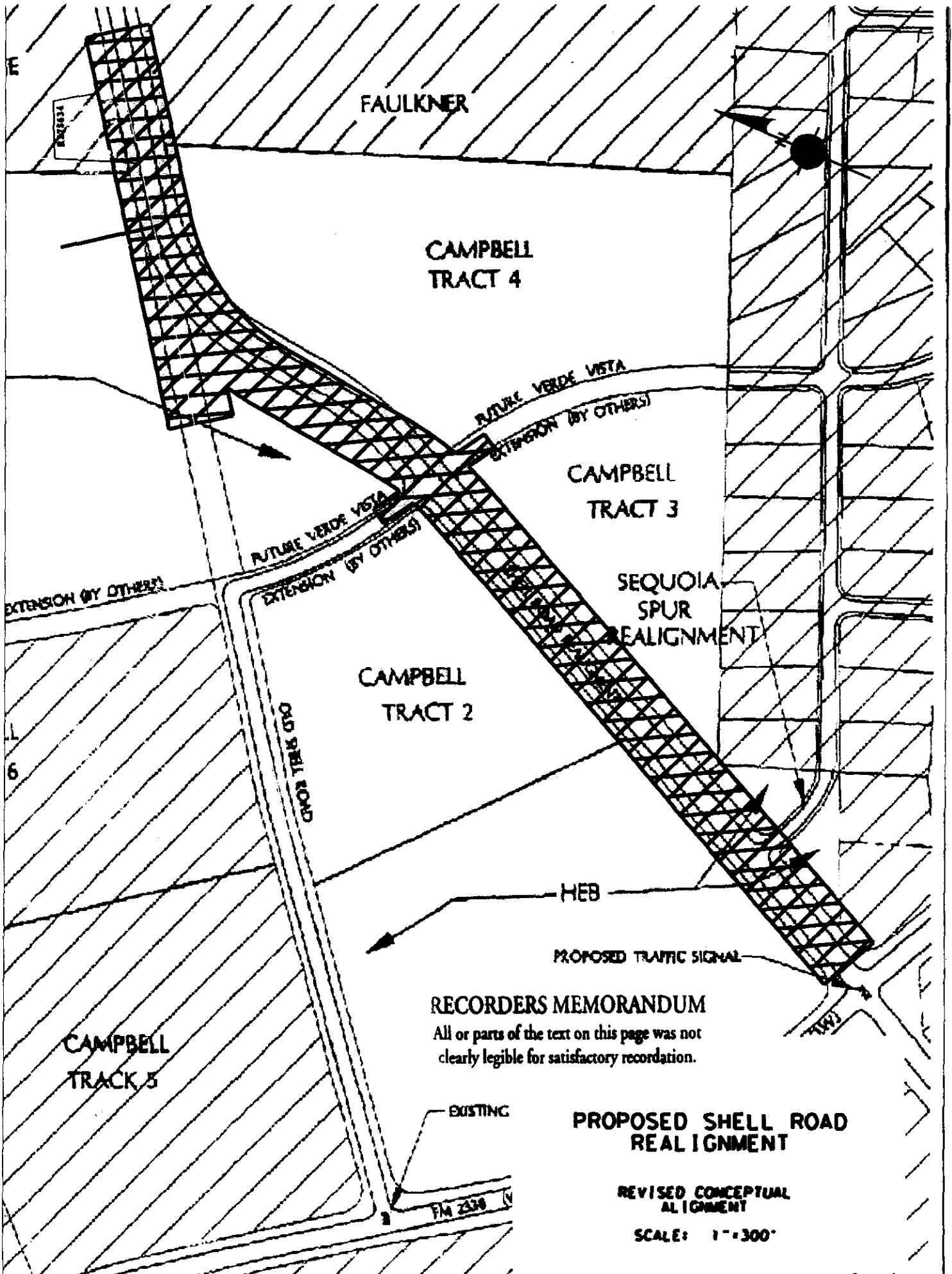
- 1) The **Engineer** shall make submittals to Williamson County 30%, 60%, and 90% design completion stages. Submittals shall include bid cost estimate and preliminary PS&E supporting paperwork and checklist.
- 2) The 100% submittal will include all PS&E supporting paperwork that will be sent to Williamson County for review. The 100% submittal will consist of Mylars and all revisions requested by Williamson County plan review.
- 3) The **Engineer** shall provide to Williamson County an electronic deliverable (CD) of all design documents (excluding standard drawings) for this project.
- 4) The **Engineer** shall provide one set of 11" x 17" Mylar originals with professional Engineer's seal on each sheet, and three (3) sets of prints of the plans.

REFERENCES

1. Standard Specifications for Construction of Highways, Streets, and Bridges - TxDOT.
2. Special Provisions and Special Specifications - TxDOT.
3. PS&E Preparation Manual - TxDOT.
4. Division of Bridges and Structures Operation and Planning Manual - TxDOT.
5. Division of Bridges and Structures Hydraulic Manual - TxDOT.
6. Division of Bridges and Structures Design Examples - TxDOT.
7. Division of Bridges and Structures Bridge Design Guide - TxDOT.
8. Division of Bridges and Structures Detail Manual - TxDOT.
9. Division of Bridges and Structures Foundation Exploration and Design Manual TxDOT.
10. Standard Specifications for Highway Bridges - AASHTO.
11. Division of Highway Design Operations and Procedures Manual - TxDOT.
12. Division of Highway Design Operations and Procedures Manual Part IIB - Environmental and Public Involvement Procedures during Project - Specific Planning and Development - TxDOT.
13. A Policy on Geometric Design of Highways and Streets ("The Green Book") AASHTO.
14. Highway Capacity Manual Special Report 209 - Texas Research Board (TRB).
15. Technical Advisory T6640.8A - FHWA.
16. Noise Guidelines - TxDOT.
17. Air Quality Guidelines - TxDOT.
18. Flexible Pavement Design Manual - TxDOT.
19. Guide for the Design of Pavement Structures, 1996 - AASHTO.
20. Texas Manual on Uniform Traffic Control Devices - TxDOT.
21. Standard Highway Sign Designs for Texas - TxDOT.
22. Standard Specifications for Structural Supports for Highway Signs, Luminaries, and Traffic Signals - AASHTO.
23. Utility Accommodation Policy - TxDOT.
24. Utility Manual - TxDOT.
25. Division of Right of Way, ROW Manual - Book I - TxDOT.
26. Division of Right of Way, ROW Manual - Book II - TxDOT.
27. Code of Federal Regulations, Title 23 - "Highway" - Federal Register.
28. Administrative Order No. 5-89 - Signing, Sealing and Dating of Engineering Documents - TxDOT.
29. Administrative Circular No. 26-91 - Minimum Signing, Sealing, and Dating Procedures for Department Engineering Documents - TxDOT.
30. Administrative Circular No. 25-84 - Soils Information for High Mast Lighting, Overhead Sign Bridges, and Retaining Walls - TxDOT.
31. Administrative Circular No. 33-87 - Preliminary Retaining Wall Layouts to be submitted to Division of Bridges and Structures - TxDOT.
32. Administrative Circular No. 25-92 - Division of Bridges and Structures to be responsible for all geotechnical engineering support for foundations, retaining walls, and embankment stability and settlement - TxDOT.

NOTES:

1. All design shall be in accordance with the above references, except where variances are permitted in writing by the **Williamson County**.
2. The **Engineer** is responsible for purchasing all references, which are required for the project.
3. Proposed design will be designed in English units.



Shell Road Re-Alignment
From FM 2338 (Williams Rd.) to 0.75 Mi N of FM 2338

LABOR

Classification	Hours	Rate	Labor
Principal	4	\$44.32	\$177.27
Project Manager	168	\$37.56	\$6,310.72
Senior Engineer	253	\$37.56	\$9,503.65
Design Engineer	165	\$25.80	\$4,256.52
Design EIT	406	\$20.99	\$8,523.48
CADD Technician	535	\$27.32	\$14,613.73
Clerical	58	\$15.39	\$892.62
Total Labor	1,589		\$44,277.99

OVERHEAD (157%) \$69,516.45

EXPENSES \$5,383.45

FEE (15%) \$17,069.17

PBS&J Survey Fee \$76,865.00

Subtotal PBS&J \$213,112.05

SUBCONSULTANTS

HVJ Associates, Inc. \$26,622.00

Subtotal Subconsultants \$26,622.00

Total Design Fee **\$239,734**

RECORDERS MEMORANDUM
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clearly legible for satisfactory recordation.

Addendum #2 to Original Cedar Breaks Contract
EXHIBIT D
MAN-HOURS
Shell Road Re-Alignment
From FM 2338 (Williams Rd.) to 0.75 MI N of FM 2338

FC		Std Sheets	New Sheets	MANAGEMENT		ENGINEERING			SUPPORT		Total Hours	Hours/ Sheet	Raw Labor Amount
				Principal	Project Manager	Senior Engineer	Design Engineer	EIT	CADD Technician	Clerical			
110	ROUTE AND DESIGN STUDIES												
	1 Geometric design criteria (Design Summary Report)				4	8		24	40	2	14		\$481.55
	2 Conceptual schematic				4	8	16				92		\$2,459.99
	3 Preliminary construction cost estimates				4	8		8		2	22		\$649.50
	4 Preliminary ROW requirements				2	8		16			26		\$711.54
	5 Digital terrain model (DTM)				4	8	16	24			52		\$1,367.37
	Subtotal	0	0	0	18	40	32	72	40	4	206		\$5,669.94
110	Geotechnical Investigations (H.V. Associates)												
150	Field Surveying and Photogrammetry												
160	Roadway Design Controls												
	1 Finalize roadway geometry				1	4	12	8		1	26		\$680.72
	2 Plan Preparations (Roadway)												
	a Title sheet				1		1		4		6		\$172.62
	b Index of sheets				2	4			8		14		\$443.91
	c Typical Sections												
	i) Existing				1	4		4			15		\$435.69
	ii) Proposed				1	4		4			15		\$435.69
	d Plan & Profiles (1"=50')												
	i) New Shell Road				4	8	16	24	80		132	26	\$3,532.60
	ii) Old Shell Road				4	8	16	24	80		132	26	\$3,532.60
	c Design roadway cross-sections (50' intervals)				2	4	16	40	16		78		\$1,914.93
	f Earthwork calculations				2	4		8	4		18		\$502.59
	g Assemble Standards				2	4			2		8		\$280.01
	h Perform QA/QC				16	8					26		\$990.17
	Subtotal	2	14	2	36	52	61	112	206	1	470	29	\$12,961.54
161	Drainage												
	1 Data												
	a Data Gathering				1	1		8	2		13		\$313.10
	b USGS digital maps				1	1		4	1		8		\$201.81
	c Soils/Landuse				1	1		8			11		\$258.47
	2 Drainage area maps				1	3		16	4		24	12	\$595.42
	3 Hydrology (Flow Determination)				1	4		8	4		17		\$465.03
	4 Outfall determination analysis				2	8		24	12		46		\$1,207.27
	5 Hydraulic design												
	a Culvert analysis				2	8		24	8		42		\$1,098.01
	6 Storm Water Pollution Prevention Plan (1"=50')				1	8		20	40		71	36	\$1,925.69
	7 Water Pollution Abatement Plan (if necessary)												
	a BMP Determination				2	5		20			27		\$682.82
	b BMP Design				2	5		30			37		\$892.76
	c Completion of Forms				2	5		8			15		\$430.90
	8 Drainage Details												
	a Culverts layouts				4	8		24	20		56	28	\$1,500.92
	b Outfall channels				4	8			20		32	16	\$997.07
	9 Assemble Standards				2	2			4		8		\$259.52
	10 Perform QA/QC				10	16					28		\$1,065.29
	Subtotal	10	8	2	38	83	0	194	115	3	435	24	\$11,894.09
162	Signaling, Markings and Signalization												
	1 Develop Signage & Pavement Marking Layouts (1"=50')				2	16	8	8	40		74	37	\$2,143.09
	2 Develop Signal Layout (1"=40') FM 2338 at Shell Road (Proposed Cedar Breaks)				2	8	16		24		50	25	\$1,443.96
	3 Assemble Standards				1				2		3		\$92.19
	4 Perform QA/QC				2	24	24	8	66	0	129	16	\$75.13
	Subtotal	5	3	0	7	24	24	8	66	0	129	16	\$1,611.28
163	Miscellaneous												
	1 Quantity take-offs and summaries				8	16		20	40		84	17	\$2,414.02
	2 Miscellaneous Roadway Details (if applicable)				2		8		16		26	26	\$718.55
	a Traffic Control Plan												
	i) Layouts (1"=50')				2	8	24		40		74	37	\$2,087.38

Addendum #2 to Original Cedar Breaks Contract
EXHIBIT D
MAN-HOURS
Shell Road Re-Alignment
From FM 2338 (Williams Rd.) to 0.75 MI N of FM 2338

FC		Std Sheets	New Sheets	MANAGEMENT		ENGINEERING			SUPPORT		Total Hours	Hours/ Sheet	Raw Labor Amount
				Principal	Project Manager	Senior Engineer	Design Engineer	EIT	CADD Technician	Clerical			
	ii) Delours (1"-500')		1		1	4	16		12	6	33	33	\$928.16
3	Prepare Invoices (6)				6						12		\$317.72
4	Prepare and Maintain Design Schedule				6	6					12		\$450.77
5	Prepare Project Control Plan (PCP)				4					4	8		\$211.82
6	Manage Subconsultants				40	20				40	100		\$2,869.43
	Subtotal	0	9	0	69	54	48	20	108	50	349	39	\$9,998.05
	TOTAL PROJECT	17	34	4	168	253	165	406	535	58	1589	31	\$42,134.90

RECORDERS MEMORANDUM
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clearly legible for satisfactory recordation.

EXHIBIT D**PBS&J EXPENSES****Shell Road Re-Alignment****From FM 2338 (Williams Rd.) to 0.75 Mi N of FM 2338**

Direct Cost	Unit	Quantity	Unit Price	Total
CD-ROM	Each	1	\$35.00	\$35.00
CADD Machine Time	Hour	471	\$10.00	\$4,705.00
Photocopy (8.5 x 11 paper)	Each	0	\$0.04	\$0.00
Photocopy (11 x 17 paper)	Each	510	\$0.12	\$61.20
Plot Mylar (11 x 17 Mylar)	Each	51	\$7.00	\$357.00
Plot (11 x 17 paper)	Each		\$0.50	\$0.00
Overnight express deliveries	Each	0	\$15.00	\$0.00
Hot shot deliveries (2 hour service)	Each	4	\$17.50	\$70.00
Mileage (6 trips @ 75 miles round trip)	Mile	450	\$0.35	\$155.25
Total				\$5,383.45

PROJECT PROPOSAL:
SHELL ROAD

Addendum #2 to Original Cedar Breaks Contract
EXHIBIT D
MAN-HOURS
Shell Road Re-Alignment
From FM 2338 (Williams Rd.) to 0.75 Mi N of FM 2338

ITEM		TASK	PRINCIP RPLS	STAFF RPLS	SENIOR TECH	TECH	2-MAN CREW	3-MAN CREW	TASK HOURS	TASK TOTAL \$
1	HOURS	HORIZONTAL AND VERTICAL CONTROL	3	8	45	10	0	48	114	
	\$		360.00	680.00	2925.00	650.00	0.00	5760.00		10,375.00
2	HOURS	BOUNDARY AND DEED PLOTS - R.O.W. VERIFICATION	2	3	30	0	0	36	71	
	\$		240.00	255.00	1950.00	0.00	0.00	4320.00		6,765.00
3	HOURS	PROPOSED CENTERLINE STAKING	1	3	20	0	0	30	54	
	\$		120.00	255.00	1300.00	0.00	0.00	3600.00		5,275.00
4	HOURS	BOREHOLE LOCATION (TOTAL 11)	2	2	12	4	0	16	36	
	\$		240.00	170.00	780.00	260.00	0.00	1920.00		3,370.00
5	HOURS	TOPOGRAPHIC SURVEY - NEW R.O.W. AND SIDE STREETS	5	10	58		0	288	361	
	\$		600.00	850.00	3770.00		0.00	34560.00		39780.00
6	HOURS	ONE CALL AND LOCATE (UG UTILITY)	1	2	24	10	0	36	73	
	\$		120.00	170.00	2040.00	650.00	0.00	4320.00		7300.00
		TOTAL HOURS	14	28	189	24	0	454	709	
		TOTAL AMOUNT	1680.00	2380.00	12765.00	1560.00	0.00	54480.00		72,865.00
		RATE	120.00	85.00	65.00	50.00	95.00	120.00		
SEPARATE TASK										
GPS	STATIC	GPS EQUIPMENT RATES	\$400.00 DOLLARS AT TWO DAYS THREE UNITS							800.00
GPS	RTK		\$400.00 AT FOUR DAYS TWO ROVER UNITS AND ONE BASE							3200.00
										76,865.00

HVJ ASSOCIATES, INC.
Shell Road Re-Alignment
HVJ Project No. 00-243GA-3

July 10, 2001

TABLE I - COST BREAKDOWN FOR GEOTECHNICAL INVESTIGATION

<u>Item Description</u>	<u>Quant.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
<u>Field Investigation</u>				
Mobilization, Truck Mounted Rig	1	@	\$300.00 per site	\$300.00
Rock Coring - Hard-Truck Mounted	110	ft @	\$26.00 per foot	\$2,860.00
Field Technician - Utility Clearance, Field Work Coordination & Logging	60	hr @	\$45.00 per hr	\$2,700.00
Backfill Material - Bentonite Chips	110	ft @	\$7.00 per foot	\$770.00
Pavement Core - Asphalt	1	@	\$75.00 per core	\$75.00
Core Boxes	11	@	\$10.00 per box	\$110.00
Water Run	2	days @	\$500.00 per day	\$1,000.00
Pavement Cut Permit - Williamson County	1	@	\$500.00 per site	\$500.00
Traffic Control	2	days @	\$800.00 per day	\$1,600.00
			Subtotal	\$9,915.00
Laboratory Testing	110	ft @	\$10.00 per foot	\$1,100.00
			Subtotal	\$1,100.00
<u>Engineering Personnel</u>				
<u>Field Coordination</u>				
Project Engineer, P.E.	2	hr @	\$85.00 per hr	\$170.00
Engineer Associate	8	hr @	\$70.00 per hr	\$560.00
<u>Laboratory Test Assignments & Results Review</u>				
Project Engineer, P.E.	1	hr @	\$85.00 per hr	\$85.00
Engineer Associate	6	hr @	\$70.00 per hr	\$420.00
<u>Boring Log Preparation</u>				
Project Engineer, P.E.	1	hr @	\$85.00 per hr	\$85.00
Engineer Associate	6	hr @	\$70.00 per hr	\$420.00
Draft Person	12	hr @	\$50.00 per hr	\$600.00
<u>Pavement Design</u>				
Senior Pavement Engineer, P.E.	4	hr @	\$105.00 per hr	\$420.00
Project Engineer, P.E.	10	hr @	\$85.00 per hr	\$850.00
Engineer Associate	14	hr @	\$70.00 per hr	\$980.00
<u>Report Preparation & Project Management</u>				
Principal	1	hr @	\$125.00 per hr	\$125.00
Project Manager, P.E.	8	hr @	\$105.00 per hr	\$840.00
Project Engineer, P.E.	12	hr @	\$85.00 per hr	\$1,020.00
Engineer Associate	18	hr @	\$70.00 per hr	\$1,260.00
Draft Person	8	hr @	\$50.00 per hr	\$400.00
Word Processor	4	hr @	\$38.00 per hr	\$152.00
Report Reproduction				\$500.00
			Subtotal	\$8,887.00
<u>Additional Requirements</u>				
Site Clearance - Estimate			Lump Sum	\$6,000.00
Coordination Technician	16	hr @	\$45.00 per hr	\$720.00
			Subtotal	\$6,720.00
			Total	\$26,622.00

AGENDA ITEM 36

Consider approval and resolution of the Master Agreement Governing Local Transportation Project Advance Funding Agreements from TxDOT.

Moved: **Commissioner Limmer**

Seconded: **Commissioner Heiligenstein**

Motion: To approve resolution and agreement for the Master Agreement Governing Local Transportation Project Advance Funding Agreements from TxDOT.

Vote: **3 - 0**

< Attachment >



P.O. DRAWER 15426 • AUSTIN, TEXAS 78761-5426 • (512) 832-7000

June 26, 2001

Honorable John C. Doerfler
Williamson County Judge
710 Main St., #201
Georgetown, Texas 78626

Dear Judge Doerfler:

Enclosed is a standardized Master Advance Funding Agreement (MAFA) and a sample Local Project Advance Funding Agreement (LPAFA) proposed for use by the State.

The MAFA contains the common elements of funding agreements, required laws, rules and basic contract requirements for a project. Upon acceptance by the local governmental entity, by way of a resolution or ordinance, the agreement will remain in effect until which time one of the elements listed is revised. A revision will require an 'amended by notice' from the State. If the local governmental entity does not wish to comply with a proposed amendment(s), they will notify the State and the amendment will be further considered. If there is no opposition to the amendment (reflecting new law or rule), the change will become effective upon each appropriate party's signature.

The LPAFA will address specific project requirements such as, scope of work, responsibilities for each involved party, project cost and payment details. Because the MAFA will already be in effect, it will automatically be incorporated within each LPAFA.

This procedure has been developed to streamline the agreement process and to simplify proposed project requirements between local governmental entities and the State. The information contained in both documents is currently included in each existing advance funding agreement in one form or another.

We request you review these documents, *execute both original counterparts of the enclosed Master Advance Funding Agreement, attach an approved resolution or ordinance (stating your acceptance of the MAFA) and return the three documents to the attention of Patsy Warren, Contracts Manager, P. O. Drawer 15426, Austin, Texas 78761.* After the MAFA is fully executed, one original counterpart will be returned for your files. Future, proposed projects, will be addressed in a LPAFA prepared by the State for approval by the local governmental entity. The enclosed sample Local Project Advance Funding Agreement does not need to be returned.