

APPENDIX B

CONTRACTOR'S QUALIFICATIONS STATEMENT

AGENDA ITEM 30

Consider approving contract addendum for Post, Buckley, Schuh & Jernigan, Inc for Cedar Breaks Road.

Moved: **Commissioner Heiligenstein**

Seconded: **Judge Doerfler**

Motion: To approve contract addendum for Post, Buckley, Schuh & Jernigan, Inc for Cedar Breaks Road.

Vote: **5 - 0**

< Attachment >



Public Client

PROFESSIONAL SERVICE AGREEMENT ADDENDUM

Addendum No. 1

THIS ADDENDUM to the AGREEMENT, made and entered into _____, 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: 440717.00 (WC 1055)

SHORT TITLE OF MAIN CONTRACT: Cedar Breaks Road

SHORT TITLE OF ADDENDUM: South Extension

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

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

This addendum covers engineering, surveying, and geotechnical services for extending the limits of the existing contract south to SH 29 as shown in Attachment A-2.

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 \$ _____, 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

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: _____
 SIGNED: John C. Doerfler 3-20-01
 TYPED NAME: John C. Doerfler
 TITLE: Williamson County Judge
 DATE: 3-20-01

POST, BUCKLEY, SCHUH & JERNIGAN, INC.
 SIGNED: Keith B. Jackson
 TYPED NAME: Keith B. Jackson
 TITLE: Vice President
 DATE: March 9, 2001

**ADDENDUM NO. 1
ATTACHMENT A1-1
SERVICES TO BE PROVIDED BY THE COUNTY**

PROJECT:	Cedar Breaks Road
COUNTY:	Williamson
PRECINCT:	4 (David Hays, Commissioner)
LIMITS:	
FROM:	SH 29
TO:	1.55 Mi N of SH 29
LENGTH:	8,164 ft (1.55 miles)

Task 1 Preliminary Engineering

- A. Issue Notice to Proceed
- B. Provide copies of environmental report
- C. Provide copy of U.S. Army Corps of Engineers permit and conditions
- D. Assist in obtaining right of entry (ROE)
- E. Review and approve geometric design criteria
- F. Furnish Engineer with originals or copies of any existing uncontrolled mosaics, controlled flight data, or "as-built" plans.
- G. Review and approve construction sequencing
- H. Provide any applicable County standards to be used in lieu of TxDOT standards

Task 3 Geotechnical Investigations (HVJ Associates, Inc.)

- A. Review and approve boring plan
- B. Review and approve pavement design

Task 6 Miscellaneous

- A. Review and approve Project Control Plan (PCP)
- B. Specifications
 - 1.) Provide General Notes to be used in lieu of TxDOT General Notes
 - 2.) Review and approve Special Specifications
 - 3.) Review and approve Special Provisions
- C. Review and approve Design Schedule

Cedar Breaks Road
Addendum No. 1 – South Extension to SH 29
Attachment A2-1: Services to be Provided by the Engineer

Task 2: Field Surveying

- A. Reestablish control
- B. Cross sections ROW to ROW @ 100 foot intervals
- C. Bore hole staking
- D. Bridge details
- E. Channel cross sections (upstream & downstream)
- F. SH 29 intersection details
 - 1. TxDOT As-builts
 - 2. TxDOT ROW maps
- G. Utility research and location
 - 1. "One Call"
 - 2. Record franchise utility run
 - 3. Survey horizontal and vertical locations
- H. Topo densification
- I. Data reduction
- J. DTM creation

Task 3: Geotechnical Investigations (HVJ Associates)

- A. Pavement borings every 500 feet
- B. Field testing (to TxDOT and Austin District Standards)
 - 1. Pocket penetrometer (cohesive soils)
 - 2. Standard Penetration Test (SPT) (cohesionless soils)
 - 3. Rock Quality Designation (RQD) and percent recovery (rock)
- C. Laboratory testing
 - 1. Unconfined compression
 - 2. Unconsolidated undrained (UU) triaxial
 - 3. Moisture content
 - 4. Liquid limit
 - 5. Plastic limit
 - 6. Partical size analysis
- D. Pavement design recommendations report
 - 1. Boring logs and laboratory test results
 - 2. Groundwater conditions
 - 3. Generalized subsurface conditions
 - 4. Existing pavement core data
 - 5. Pavement design recommendations
 - 6. Structural fill requirements and general earthwork recommendations

Cedar Breaks Road
Addendum No. 1 – South Extension to SH 29
Attachment A2-1: Services to be Provided by the Engineer

Task 4: Roadway Design

- A. Project Layouts (1" = 1000')
- B. Horizontal Alignment Data
- C. Reference Ties and Control Monuments
- D. Plan Preparations (Roadway)
 - 1. Title sheet
 - 2. Index of sheets
 - 3. Typical Sections
 - i) Existing
 - ii) Proposed
 - 4. Plan & Profiles (1"=100')
 - i) D.B. Wood
 - 5. Intersection Layouts (1"=50')
 - i) D.B. Wood @ Oakridge
 - ii) D.B. Wood @ Mason Ranch
 - iii) D.B. Wood @ Cedar Ridge
 - iv) D.B. Wood @ La Mesa
 - v) D.B. Woods @ SH 29
 - 6. Grading Layouts (1"=50')
 - i) D.B. Wood @ Oakridge
 - ii) D.B. Wood @ Mason Ranch
 - iii) D.B. Wood @ Cedar Ridge
 - iv) D.B. Wood @ La Mesa
 - v) D.B. Woods @ SH 29
 - 7. Driveway Details (44 Driveways)
 - 8. Miscellaneous Roadway Details
 - 9. Signing Layouts (1"=100')
 - 10. Pavement Marking Layouts (1"=100')
 - 11. Traffic Control Plan
 - i) Layouts (1"=100')
 - ii) Detours (1"=1000')
 - iii) Temporary Drainage
 - 12. Cross-sections
 - 13. Earthwork calculations
 - 14. Assemble Standards
 - 15. Perform QA/QC

Task 5: Drainage

- A. Data
 - 1. Data Gathering
 - 2. USGS Digital Maps
 - 3. USGS Gaging Station Data
 - 4. Soils/Landuse

Cedar Breaks Road
Addendum No. 1 – South Extension to SH 29
Attachment A2-1: Services to be Provided by the Engineer

- B. Drainage area maps
- C. Hydrology (Flow Determination)
- D. Outfall determination/analysis
- E. Hydraulic design
 - 1. Culvert analysis
 - 2. Channel/outfall sizing
- F. Culvert Layouts
- G. Culvert Computations
- H. Storm Water Pollution Prevention Plan (1"=100')
- I. Water Pollution Abatement Plan
 - 1. Determination of BMP's
 - 2. Design of BMP's
 - 3. Completion of Forms
- J. Drainage Details
 - 1. Culverts
 - 2. Outfall channels
- K. Assemble TxDOT Standards
- L. Perform QA/QC

Task 6: Miscellaneous

- A. Quantity take-offs and summaries
- B. Prepare Invoices (10)
- C. Prepare and Maintain Design Schedule
- D. Prepare Project Control Plan (PCP)
- E. Manage Subconsultants
- F. GEC Coordination

**ADDENDUM NO. 1
ATTACHMENT B-1
COMPENSATION SUMMARY
Cedar Breaks Road
From SH 29 to 1.55 Mi N of SH 29**

LABOR

Classification	Hours	Rate	Labor
Principal	6	\$44.32	\$265.90
Project Manager	221	\$37.56	\$8,301.61
Senior Engineer	411	\$37.56	\$15,438.74
Design Engineer	216	\$25.80	\$5,572.17
Design EIT	396	\$20.99	\$8,313.54
CADD Technician	1,039	\$27.32	\$28,380.69
Clerical	61	\$15.39	\$938.79
Total Labor	2,350		\$67,211.44

OVERHEAD (152%) **\$102,161.38**

EXPENSES **\$7,365.65**

FEE (15%) **\$25,405.92**

PBS&J Survey Fee **\$21,000.00**

Subtotal PBS&J **\$223,144.39**

SUBCONSULTANTS

HVJ Associates, Inc. **\$25,552.00**

Subtotal Subconsultants **\$25,552.00**

Total Design Fee **\$248,696**

Additional Surveying Services **\$35,070**

Total Fee (including Additional Services) **\$283,766**

ADDENDUM NO. 1
ATTACHMENT B-1
MAN-HOURS
Cedar Breaks Road
From SH 29 to 1.55 MI N of SH 29

Task	Subtotal	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			
1 Preliminary Engineering													
A Geometric design criteria					4	8					12		\$450.77
B Rough schematic					4	8	12	8	32		64		\$1,802.37
C Preliminary construction cost estimates					4	8			16		28		\$871.81
D Preliminary ROW requirements					4	8			16		36		\$1,188.32
E Digital terrain model (DTM)					4	8	8		40		60		\$1,749.76
Subtotal		0	0	20	20	48	20	8	104	8	208		\$6,879.03
2 Field Surveying													
3 Geotechnical Investigations (H.V.J. Associates)													
4 Roadway Design													
A Horizontal Alignment Data													
B Plan Preparations (Roadway)					2	6	12		4		24		\$719.34
1) Title sheet					1	4			8		13		\$359.28
2) Index of sheets					2	4			8		14		\$403.91
3) Typical Sections													
i) Existing					2	8			12		30		\$871.37
ii) Proposed					2	8			12		30		\$871.37
4) Plan & Profiles (1"=50')													
i) D.B. Wood					8	32	80	8	320		448		\$12,475.20
5) Miscellaneous Roadway Details					2	8	12		40		72		\$2,153.46
6) Signing & Pavement Marking Layouts (1"=100')					4	16			32		66		\$1,924.57
7) Traffic Control Plan					2	16	8						
i) Layouts (1"=100')					8	32	40		160		240		\$6,904.90
ii) Detours (1"=1000')					2	8	16		24		50		\$1,443.96
8) Cross-sections					8	16	24	60	40		148		\$3,872.91
9) Earthwork calculations					2	8		12	16		38		\$1,064.61
10) Assemble Standards					16	16			16		48		\$1,639.09
11) Perform QA/QC					2	16					26		\$990.17
Subtotal		20	32	75	75	178	196	184	692	0	1,247	24	\$35,734.12
5 Drainage													
A Data													
1) Data Gathering					1	1		8	2	1	13		\$313.10
2) USGS digital maps					1	1		4	1	1	8		\$201.81
3) Soils Landuse					1	1		8		1	11		\$338.47
B Drainage area maps													
1) Create Drainage Area Map (Exterior)					1	3		16	4		24		\$595.42
2) Hydrology (Flow Determination)					1	4		8	4		17		\$465.03
C Outfall determination analysis					2	8		24	12		46		\$1,207.27
D Hydraulic design													
1) Culvert analysis					2	8		24	8		42		\$1,098.01
2) Channel/outfall sizing					2	10		40	8		60		\$1,509.04
E Culvert Layouts					5	40		32	80		163		\$4,715.36
F Storm Water Pollution Prevention Plan (1"=100')					8	10			40		90		\$2,440.57
G Water Pollution Abatement Plan													
1) BMP Determination					2	5		20			27		\$682.82
2) BMP Design					2	5		30			37		\$892.76
3) Completion of Forms					2	5		10			17		\$472.88
H Drainage Details													
1) Culverts					4	8			20		32		\$997.07
2) Outfall channels					2	8			20		32		\$997.07
I Assemble Standards					10	20			4		8		\$239.52
J Perform QA/QC					4	20					34		\$1,304.18
Subtotal		10	18	50	50	139	0	264	203	3	663	24	\$18,410.39

**ADDENDUM NO. 1
ATTACHMENT B-1
SURVEY COST BREAKDOWN - PBS&J
Cedar Breaks Road
From SH 29 to 1.55 Mi N of SH 29**

<u>Item Description</u>	<u>Amount</u>
Design Survey of D.B. Wood as per Attachment B	\$18,000.00
Conversion of previously gathered data to MicroStation format	\$3,000.00
Subtotal	\$21,000.00
Additional services*:	
Bore hole locations	\$5,280.00
Additional topo for D.B. Wood cutoff	\$20,340.00
D.B. Wood profile and driveway surveys	\$9,450.00
Subtotal	\$35,070.00
Total	\$56,070.00

*** Additional surveying services requested by the County
under the original contract and completed to date**

ATTACHMENT B-1

PBS&J EXPENSES

Cedar Breaks Road

From SH 29 to 1.55 Mi N of SH 29

Direct Cost	Unit	Quantity	Unit Price	Total
CD-ROM	Each	1	\$35.00	\$35.00
CADD Machine Time	Hour	718	\$10.00	\$7,175.00
Photocopy (8.5 x 11 paper)	Each	0	\$0.04	\$0.00
Photocopy (11 x 17 paper)	Each	1	\$0.12	\$0.15
Plot Mylar (11 x 17 Mylar)	Each	1	\$7.00	\$8.75
Plot (11 x 17 paper)	Each	5	\$0.50	\$2.50
Overnight express deliveries	Each	0	\$15.00	\$0.00
Hot shot deliveries (2 hour service)	Each	4	\$17.50	\$70.00
Mileage (3 trips @ 75 miles round trip)	Mile	225	\$0.33	\$74.25
Total				\$7,365.65

ATTACHMENT B-1

GEOTECHNICAL COST BREAKDOWN - HVJ ASSOCIATES, INC.

Cedar Breaks Road

From SH 29 to 1.55 Mi N of SH 29

<u>Item Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
<u>Field Investigation</u>				
Mobilization, Truck Mounted Rig	1	site	\$300.00	\$300.00
Rock Coring - Hard-Truck Mounted	170	ft	\$26.00	\$4,420.00
Field Technician - Utility Clearance, Field Work Coordination & Logging	64	hr	\$45.00	\$2,880.00
Boring Backfill Material (10-foot borings) - Bentonite Chips	170	ft	\$7.00	\$1,190.00
Pavement Core - Asphalt	17	ft	\$75.00	\$1,275.00
Core Boxes	17	ea	\$10.00	\$170.00
Pavement Cut Permit - Williamson County	1	site	\$500.00	\$500.00
Traffic Control	5	days	\$800.00	\$4,000.00
				\$14,735.00
Laboratory Testing	170	ft	\$10.00	<u>\$1,700.00</u>
				\$1,700.00
<u>Engineering Personnel</u>				
<u>Field Coordination</u>				
Project Engineer, P.E.	8	hr	\$85.00	\$680.00
<u>Laboratory Test Assignments & Results Review</u>				
Project Engineer, P.E.	2	hr	\$85.00	\$170.00
Engineer Associate	8	hr	\$70.00	\$560.00
<u>Boring Log Preparation</u>				
Project Engineer, P.E.	2	hr	\$85.00	\$170.00
Engineer Associate	8	hr	\$70.00	\$560.00
Draft Person	17	hr	\$50.00	\$850.00
<u>Pavement Design - FPS 19 Analysis</u>				
Project Manager, P.E.	2	hr	\$105.00	\$210.00
Project Engineer, P.E.	8	hr	\$85.00	\$680.00
Engineer Associate	12	hr	\$70.00	\$840.00
<u>Report Preparation & Project Management</u>				
Principal	1	hr	\$125.00	\$125.00
Project Manager, P.E.	10	hr	\$105.00	\$1,050.00
Project Engineer, P.E.	12	hr	\$85.00	\$1,020.00
Engineer Associate	15	hr	\$70.00	\$1,050.00
Draft Person	10	hr	\$50.00	\$500.00
Word Processor	4	hr	\$38.00	\$152.00
Report Reproduction				<u>\$500.00</u>
				\$9,117.00
				<u>\$25,552.00</u>

AGENDA ITEM 31

Consider approving work authorization no. 2 for HNTB Corp. For Wyoming Springs Loop project.

Mike Weaver of Prime Strategies discussed the Wyoming Springs Loop project and answered questions.

Moved: **Commissioner Heiligenstein**

Seconded: **Commissioner Boatright**

Motion: To approve work authorization no. 2 for HNTB Corporation for Wyoming Springs Loop project.

Vote: 5 - 0

< Attachment >

Work Authorization No. 2

ATTACHMENT E

WORK AUTHORIZATION NO. 2

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of the Agreement dated January 15, 2001, hereinafter identified as the "Agreement", entered into by and between Prime Strategies, Inc. and Williamson County, Texas ("Client"), and HNTB Corporation ("Consultant").

Part 1. The Consultant will provide the following engineering services:

Initiate a preliminary route study for the projects associated with location of a new arterial between RM 620 and the IH 35/Hesters Crossing Interchange, known as the Wyoming Springs Loop for Williamson County. The responsibilities of Client, the Consultant, and the schedule are further detailed in Exhibits A, B, C, and D.

Part 2. Without modification, the maximum amount payable for services performed under this work authorization is \$25,620 and the maximum effort that the Consultant will expend in performing these services is 264 hours. A fee schedule used to establish the maximum amount payable is attached hereto as Exhibit D.

The Client and Consultant both recognize that additional effort will be required to complete the services listed in Attachment B of the Agreement. This additional effort will be addressed and executed in future Work Authorizations.

Part 3. Payment to the Consultant 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 one year from that date, unless extended by a Supplemental Work Authorization.

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