16. Approve Ranking List, Authorize Negotiations, and Award PS-5170-04/AJR – Master Agreement for Professional Services for Airport Boulevard Extension – SR 46 – CR 15 to Reynolds, Smith & Hills, Inc., of Orlando.

PS-5170-04/AJR will provide consulting services for the Airport Boulevard Extension SR 46 – CR 15. This Project will be split into three phases Preliminary Design (Phase 1), Final Design (Phase 2), and Post Design (Phase 3) Services. Services will include but not be limited to recommendations, drainage, utilities, investigations, design, permitting, and bidding.

This project was publicly advertised and the County received eleven submittals (listed in alphabetical order):

- Bowyer-Singleton & Associates, Inc., Orlando;
- Brindley Pieters & Associates, Inc.;
- CPH Engineers, Inc., Deland;
- HDR Engineering, Inc., Orlando;
- Inwood Consulting Engineers, Inc., Oviedo;
- Keith and Schnars, P.A., Altamonte Springs;
- MACTEC Engineering and Consulting, Inc., Orlando;
- Metric Engineering, Inc., Winter Park;
- Parsons, Orlando;
- Professional Engineering Consultants, Orlando;
- Reynolds, Smith & Hills, Inc., Orlando.

The Evaluation Committee, which consisted of Melonie Barrington, P.E., County Traffic Engineer; Don Fisher, Deputy County Manager; Gary Johnson, P.E., Director of Public Works; Jerry McCollum, P.E., County Engineer; and Kathleen Myer, P.E., Principal Engineer evaluated the submittals and short-listed the following four firms:

- Bowyer-Singleton & Associates, Inc., Orlando;
- HDR Engineering, Inc., Orlando;
- Metric Engineering, Inc., Winter Park;
- Reynolds, Smith & Hills, Inc., Orlando.

The Evaluation Committee (less Don Fisher, Deputy County Manager; and Gary Johnson, P.E., Director of Public Works) interviewed the short-listed firms giving consideration to the following criteria:

- Proposed Approach to Performing the Work;
- Identify key areas that are a challenge in this project;
- Innovative Solutions for this project;
- Team Experience.

The Evaluation Committee recommends that the Board approve the ranking below and authorize staff to negotiate with the top ranked firm in accordance with F.S. 287.055, the Consultants Competitive Negotiation Act (CCNA):

1. Reynolds, Smith & Hills, Inc., Orlando;
2. HDR Engineering, Inc., Orlando;
3. Bowyer-Singleton & Associates, Inc., Orlando;
4. Metric Engineering, Inc., Winter Park.

Authorization for performance of services by the Consultant under this agreement shall be in the form of written Work Orders issued and executed by the County and signed by the Consultant. The work and dollar amount for each Work Order will be within the constraints of the approved project budget and negotiated on an as-needed basis for the project. The estimated contract value is $850,000.00.

Public Works/ Engineering Division and Fiscal Services/Purchasing and Contracts Division recommend that the Board approve the ranking, authorize staff to negotiate, and authorize the Chairman to execute a Master Agreement as prepared by the County Attorney's Office.

B.C.C. - SEMINOLE COUNTY, FL
PS TABULATION SHEET

PS NUMBER: PS-5170-04/AJR

PS TITLE : Airport Extension SR 46 – CR 15

DATE: August 25, 2004 TIME: 2:00 P.M.

ALL SUBMITTALS ACCEPTED BY SEMINOLE COUNTY ARE SUBJECT TO THE COUNTY'S TERMS AND CONDITIONS AND ANY AND ALL ADDITIONAL TERMS AND CONDITIONS SUBMITTED BY THE PROPOSERS ARE REJECTED AND SHALL HAVE NO FORCE AND EFFECT. PS DOCUMENTS FROM THE PROPOSERS LISTED HEREIN ARE THE ONLY SUBMITTALS RECEIVED TIMELY AS OF THE ABOVE OPENING DATE AND TIME. ALL OTHER PS DOCUMENTS SUBMITTED IN RESPONSE TO THIS SOLICITATION, IF ANY, ARE HEREBY REJECTED AS LATE.

RESPONSE -1-	RESPONSE -2-	RESPONSE -3-	RESPONSE -4-	RESPONSE -5-
Bowyer-Singleton & Associates, Inc. 520 South Magnolia Ave Orlando FL 32801 407-843-5120 – Phone 407-649-8664 – Fax Kevin E. Knudsen, P.E.	Brindley Pieters & Associates, Inc. 401 Center Pointe Circle Altamonte Springs FL 32701 407-830-8700 – Phone 407-830-8877 – Fax Brindley Pieters, PE	CPH Engineers, Inc. 101 N. Woodland Blvd. Deland, FL 32720 386-736-4142 – Phone 386-736-8412 – Fax Stephen N. Romano, P.E.	HDR Engineering, Inc. 315 East Robinson Street, Suite 400 Orlando, Florida 32801 407-420-4200 – Phone 407-420-4242 – Fax Roger A. Hill, P.E.	Inwood Consulting Engineers, Inc. 870 Clark Street Oviedo, Florida 32765 407-971-8850 – Phone 407-971-8955 – Fax Alex B. Hull, P.E.
RESPONSE -6-	**RESPONSE -7-**	**RESPONSE -8-**	**RESPONSE -9-**	**RESPONSE -10-**
Keith & Schnars, P.A. 385 CenterPointe Circle, Suite 385 Altamonte Springs, Florida 32701 407-834-1616 – Phone 407-834-8530 – Fax Donald P. Graham	MACTEC Engineering and Consulting, Inc. 4150 N. John Young Parkway Orlando, FL 32804-2620 407-522-7570 – Phone 407-522-7576 – Fax Andre E. Lauzier, P.E.	Metric Engineering, Inc. 2269 Lee Road Winter Park, Florida 32789 407-644-1898 – Phone 407-644-1921 – Fax William V. Anderson, P.E.	Parsons 225 East Robinson Street, Suite 300 Orlando, Florida 32801 407-316-8600 – Phone 407-316-8877 – Fax Roger D. Trevett, P.E.	Professional Engineering Consultants 200 East Robinson Street, Suite 1560 Orlando, Florida 32801 407-422-8062 – Phone 407-849-9401 – Fax Ken Hooper, Vice President

RESPONSE -11-
Reynolds, Smith & Hills, Inc. 3670 Maguire Blvd., Suite 300 Orlando, Florida 32803 407-893-5800 – Phone 407-893-5858 – Fax James R. Avitabile, PE

Tabulated by: Amy J. Rossi, CPPB, Sr. Contracts Analyst – Posted 8/27/2004 (4:00 P.M.)
Shortlisting Meeting Date: September 20, 2004 – 4pm at Public Works, 520 West Lake Mary Blvd., Jerry's Office
Presentation: Bowyer-Singleton & Associates, Inc., HDR Engineering, Inc., Metric Engineering, Inc., Reynolds, Smith & Hills, Inc., October 6, 2004 at 1:30pm, 520 West Lake Mary Blvd., Sanford. Lake Jesup Conference Room (Posted 09/22/2004)
Recommendation of Award: Reynolds, Smith & Hills, Inc. BCC: October 26, 2004 (Posted: October 7, 2004)
* If you are interested in the overall ranking, e-mail me at arossi@seminolecountyfl.gov

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION

SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

MEMORANDUM

TO: Peter Maley, Purchasing Supervisor

FROM: Kathleen J. Myer, P.E., Principal Engineer

THRU: Jerry McCollum, P.E., County Engineer

DATE: September 21, 2004

SUBJECT: Justification of Selection Short List
Airport Extension SR 46-CR15

The purpose of this memorandum is to report the recommendations of the evaluation committee that met on September 20, 2004 at 4:00 PM.

Proposals from eleven firms were evaluated by the committee. Bowyer-Singleton & Associates, Inc., HDR Engineering, Inc., Professional Engineering Consultants, and Reynolds, Smith & Hills, Inc., (listed in alphabetical order) have been recommended to be short listed for formal presentations/discussions and the following matrix summarizes the attributes of each firm related to the specified project criteria:

Criteria	Bowyer-Singleton	HDR Engineering	Professional Engineering Consultants	Reynolds, Smith & Hill
Approach to Project/ Understanding of Project- Innovative Solutions (40%)	Demonstrated thorough understanding with detailed approach and review of feasibility study. Drainage knowledge of area from work on CR15 helpful.	Demonstrated good understanding of issues: utilities, Monroe basin study, public involvement; spoke with Sanford staff.	Demonstrated good understanding of issues – drainage, traffic, public involvement	Detailed discussion indicating thorough understanding. Innovative ideas proposed.
Qualifications of the Proposed Personnel and the Firm (25%)	Very experienced staff, nearly all indicated have worked on prior County projects.	Experienced staff, Principal has several prelim. design projects	Extensive experience listed by key personnel	Extensive experience listed by key personnel
Similar Recent Project Experience (20%)	Five Seminole County projects indicated; all with preliminary and final design	Similar projects indicated; one with preliminary engineering study	Sand Lake Rd in Seminole County (preliminary/final design); similar projects for other local jurisdictions	Similar projects indicated; one with preliminary engineering study
Project Team Experience (10%)	Project team has worked together for 5-10 years	Team has assembled for multiple projects.	Team has experience.	Individuals on team are very experienced
Location of Firm (5%)	Office in Orlando	Office in Orlando	Office in Orlando	Office in Orlando

If you have any questions, please give me a call at extension 5664.

Signatures:

Melonie Barrington, P.E. Don Fisher Gary Johnson, P.E.

Jerry McCollum, P.E. Kathleen J. Myer, P.E.

Copy: File

520 West Lake Mary Boulevard, Suite 200, Sanford, Florida 32773
(Voice) 407-665-5664 (Fax) 407-665-5772, (Email) kmyer@seminolecountyfl.gov

Presentations PS-5170-04/AJR

	Melonie Barrington	Jerry McCollum	Kathleen Myer	Total
Bowyer	3	3	3	9
HDR	4	2	2	8
Metric	2	4	4	10
RSH	1	1	1	3

Presentations PS-5170-04/AJR

	Score	Ranking
RSH	3	1
HDR	8	2
Bowyer	9	3
Metric	10	4

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Bowyer - Singleton + Associates, Inc

QUALIFICATION COMMITTEE MEMBER: Melonie Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Demonstrated a good understanding. Extensive review of project area + feasibility stud. Demonstrated knowledge of constraints + concerns. Previous work on CIS gives insight to drainage challenges

Score 38 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Listed personnel has extensive experience

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

Identified several Preliminary Engineering and final Design projects completed for Sem County

Score 16 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

over 10 years working w project team

Score 10 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 5 (0-5)

Total Score 91 (0-100) Ranking 2

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: HDR

QUALIFICATION COMMITTEE MEMBER: Melanie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Demonstrates an understanding of importance of Public Inv. Identifies affected utilities upfront and the need to review drainage facilities and pond sites

Score 35 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Principal list several Prelim Design projects. Fair wide variety of experience given.

Score 23 (0-25)

Criteria: Similar Recent Project Experience (20%)

Adequate recent experience listed

Score 16 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

This team has assembled for multiple projects

Score 10 (0-10)

Criteria: Location of Firm (5%)

Score 10 (0-5)

Total Score 94 (0-100) Ranking 1

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Professional Engineering Consultants Inc.

QUALIFICATION COMMITTEE MEMBER: _____

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Demonstrated a good understanding of the drainage issues and traffic analysis. Recognizes the need for a well developed public involvement process

Score 37 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Proposed personnel is qualified as demonstrated through previous job experience and experience listed by the key personnel.

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

lists several similar projects

Score 20 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Not listed

Score 5 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 5 (0-5)

Total Score 89 (0-100) Ranking 3

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Reynolds, Smith and Hills, Inc.

QUALIFICATION COMMITTEE MEMBER: _____

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

The firm has identified and given a thorough description of the integral pieces of this project. Recognizes the importance of public involvement and review of future traffic projections and alignments. Innov. - use of GPR

Score 38 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

The proposed personnel have many years of relevant experience. Based on information given, the have the necessary experience

Score 21 (0-25)

Criteria: Similar Recent Project Experience (20%)

The firm has done several similar design projects New Alignments?

Score 16 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Score 5 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 5 (0-5)

Total Score 85 (0-100) Ranking 5

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Metric Engineering

QUALIFICATION COMMITTEE MEMBER: Melonie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Understands the key elements of the project. Basic traffic analysis included and update of proposed alignment and typical section. Included a Level I Environmental Site Assessment report. Use of GPR for utility work.

Score 38 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

The key personnel possess adequate experience to complete the job

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

List several projects with similar Preliminary Engineering and design work

Score 17 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Not Listed

Score 5 (0-10)

Criteria: Location of Firm (5%)

Winter Park

Score 5 (0-5)

Total Score 87 (0-100) Ranking 4

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Keith and Schnars

QUALIFICATION COMMITTEE MEMBER: Melanie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Gave an adequate APPROACH to the project. Recognized the drainage constraints and need to revisit the traffic analysis. Public Involvement is key the there plan.

Score 34 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Key personnel has many years of design experience

Score 24 (0-25)

Criteria: Similar Recent Project Experience (20%)

3 recent projects listed

Score 15 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Not listed

Score 5 (0-10)

Criteria: Location of Firm (5%)

Altamonte

Score 5 (0-5)

Total Score 85 (0-100) Ranking 6

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Inwood Consulting Engineers

QUALIFICATION COMMITTEE MEMBER: Melvie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Preliminary research indicates a good knowledge of the project scope and challenges. Recommends additional review of alignment and traffic analysis

Score 35
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Key personnel has adequate experience in roadway design aspects

Score 23
(0-25)

Criteria: Similar Recent Project Experience (20%)

Has similar recent experience with Seminole and Orange County

Score 16
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

There are some new and old members of the team.

Score 6
(0-10)

Criteria: Location of Firm (5%)

Oviedo

Score 5
(0-5)

Total Score 85 (0-100) Ranking 7

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Brindley Peters + Assoc. Inc

QUALIFICATION COMMITTEE MEMBER: Melonie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

PPA gave a good overview of the elements in this project. Utility coordination is clearly identified as well as a public involvement plan

Score 37 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

List design experience w some new alignment. Available staff may be a problem

Score 20 (0-25) 59

Criteria: Similar Recent Project Experience (20%)

List several design jobs, but not much preliminary engineering, post engineering work listed

Score 15 (0-20) 74

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

unable to determine from information listed

Score 5 (0-10) 79

Criteria: Location of Firm (5%)

Altamonte

Score 5 (0-5) 84

Total Score 82 (0-100) Ranking 8

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Parsons

QUALIFICATION COMMITTEE MEMBER: Melanie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Approach seemed to be lacking in the assessment of drainage restrictions and concerns

Score 30 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Depth of experience and number of personnel available seemed adequate

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

Recent similar experience listed

Score 18 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%).

Unable to determine from info given

Score 5 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 5 (0-5)

Total Score 80 (0-100) Ranking ~~9~~ 8

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: MACTEC

QUALIFICATION COMMITTEE MEMBER: Melanie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria. Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

MACTEC GAVE A GENERAL overview of the project. More input to close coordination w/ the City of Sanford should be included

Score 32 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Key personnel list design experience for this type of work. However, the depth of experience is not there for a job of this size

Score 19 (0-25)

Criteria: Similar Recent Project Experience (20%)

List some similar experience

Score 16 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Unable to determine

Score 5 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 5 (0-5)

Total Score 77 (0-100) Ranking 109

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: CPH

QUALIFICATION COMMITTEE MEMBER: Melanie C Barrington

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

No consideration given to traffic modeling to determine feasibility of typical section choosen. No indication of input from local municipality. Not much effort put into alternatives or possible problems to be considered. No community involvement listed

Score 15 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

The Principal in charge does not indicate much experience in roadway design. Overall the personnel lacks the depth of experience needed for this type of project

Score 15 (0-25)

Criteria: Similar Recent Project Experience (20%)

Does not list similar experience in determining alignments of major roadways and the coordination efforts necessary for a successful project

Score 5 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%)

Sanford

Score 5 (0-5)

Total Score 45 (0-100) Ranking ~~11~~ 10

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Bowyer Singleton

QUALIFICATION COMMITTEE MEMBER: K Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Innovation not identified but very detailed approach: 2/3/5 lane analysis/mentioned LDM report/ current CR 15 designer/

Score 37 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Based on experience with Dodd Rd / Lake Gmna / CR 15 – experience is very good.

Score 24 (0-25)

Criteria: Similar Recent Project Experience (20%)

All projects (5) has PGS & design

Score 20 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Documented in cover letter 5-10 years.

Score 10 (0-10)

Criteria: Location of Firm (5%) Orlando

Score 4 (0-5)

Total Score 95 (0-100) Ranking 1

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Inwood

QUALIFICATION COMMITTEE MEMBER: K. Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

No mention innovation
In depth detail in approach – discussions with Sanford Engineering & Planning, include truck analysis. No mention OPM study

Score 37 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Burnett/ Airport III
well qualified

Score 24 (0-25)

Criteria: Similar Recent Project Experience (20%)

3 projects – all PES/ design
Airport III design engineer

Score 20 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%)

Oviedo

Score 5 (0-5)

Total Score 91 (0-100) Ranking 2

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Metric

QUALIFICATION COMMITTEE MEMBER: K Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Innovation possibilities to reduce ROW
Good approach – though 2 public meetings
not 1 needed.

Score 35
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good.

Score 24
(0-25)

Criteria: Similar Recent Project Experience (20%)

Eden Park
Lake Emma

Score 20
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not indicated

Score 5
(0-10)

Criteria: Location of Firm (5%) Winter Park

Score 5
(0-5)

Total Score 89 (0-100) Ranking 3

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: BSH

QUALIFICATION COMMITTEE MEMBER: K Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Innovative Solutions proposed. Excellent detail in approach - especially mention of potential CSX Auto Train Station relocation

Score 38 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Resumes good

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

10 projects listed - 1 w/ PES

Score 18 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%) Orlando

Score 4 (0-5)

Total Score 87 (0-100) Ranking 4

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: HDR

QUALIFICATION COMMITTEE MEMBER: K Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Nothing for innovation - good detail, CDM study / Sanford City Engineer / Webpage for P.I.

Score 37 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

pretty good

1 PES by Firm > have
PM = 1 PES > planners

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

4 projects 3 design
1 PES / design

Score 18 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%) Orlando

Score 4 (0-5)

Total Score 86 (0-100) Ranking 5

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: PEC

QUALIFICATION COMMITTEE MEMBER: K Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Nothing presented for innovation. Some detail presented (com basin study), some "canned" parts.

Score 30 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

Score 24 (0-25)

Criteria: Similar Recent Project Experience (20%)

Several similar projects.

Score 20 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4 (0-5)

Total Score 83 (0-100) Ranking 6

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Keith & Schnars

QUALIFICATION COMMITTEE MEMBER: K. Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Not too much detail

Innovation not indicated

Score 20 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Strong resumes for design / PES

Montgomery Rd PES - Seminole Cty

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

Experience shown for PDE/ Design

Score 20 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%)

Alt. Springs

Score 5 (0-5)

Total Score 72 (0-100) Ranking 7

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Parsons

QUALIFICATION COMMITTEE MEMBER: K. Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

little regarding innovation, approach appears to be "canned" response to RFP

Score 18 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Resumes good

Score 22 (0-25)

Criteria: Similar Recent Project Experience (20%)

Design for FDOT / 2 PDE studies

Score 20 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4 (0-5)

Total Score 69 (0-100) Ranking 8

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: MacTec

QUALIFICATION COMMITTEE MEMBER: K. Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Little detail to Approach
No discussion on innovation possibilities

Score 18
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Design Quals good / Some PES

Score 20
(0-25)

Criteria: Similar Recent Project Experience (20%)

Design / environmental projects good
One project indicated alternative analysis

Score 14
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not indicated

Score 5
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4
(0-5)

Total Score 61 (0-100) Ranking 9

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Brindley Peters

QUALIFICATION COMMITTEE MEMBER: K. Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Approach appeared to restate much of RFP with little demonstration of review of available documents
Innovative solutions: limited

Score 18 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Design good
Not familiar w/ Prelim Eng. quals.

Score 18 (0-25)

Criteria: Similar Recent Project Experience (20%)

Similar design / not much PES

Score 10 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not indicated

Score 5 (0-10)

Criteria: Location of Firm (5%)

Altamonte Springs

Score 5 (0-5)

Total Score 56 (0-100) Ranking 10

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: CPH

QUALIFICATION COMMITTEE MEMBER: K. Myer

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Limited discussion overall
Small paragraph Typical section
Very little on traffic analysis
Nothing on innovation.

Score 15 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Knowledgeable proposed staff - design
Not strong with PES skills

Score 18 (0-25)

Criteria: Similar Recent Project Experience (20%)

Design experience provided
Not sure about PES

Score 10 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not clear.

Score 5 (0-10)

Criteria: Location of Firm (5%)

Sanford!

Score 5 (0-5)

Total Score 53 (0-100) Ranking 11

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Bowyer-Singleton

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good understanding of project and other related projects. Std approach

Score 30 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 25 (0-25)

Criteria: Similar Recent Project Experience (20%)

5 Seminole County road projects

Score 20 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Satisfactory

Score 10 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 3 (0-5)

Total Score 88 (0-100) Ranking 4

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Brindley Peters

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good understanding - didn't recognize preliminary alignment study. Good drainage comments, included innovation concepts

Score 30
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 25
(0-25)

Criteria: Similar Recent Project Experience (20%)

4 SC road projects + 4 misc projects

Score 15
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Satisfactory

Score 10
(0-10)

Criteria: Location of Firm (5%)

Altamonte Springs

Score 5
(0-5)

Total Score 85 (0-100) Ranking 5

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: CPH

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Generic approach, did not acknowledge alignment study & recommendations. Fairly superficial, no innovation

Score 20 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Adequate

Score 20 (0-25)

Criteria: Similar Recent Project Experience (20%)

Limited roadway experience.

Score 10 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Hard to tell from proposal.

Score 8 (0-10)

Criteria: Location of Firm (5%)

Sanford

Score 5 (0-5)

Total Score 63 (0-100) Ranking 11

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: HDR

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good understanding of Sanford/17-92 issues
Recognizes study & alignments
Comprehensive approach. Innovation-technology

Score 35 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

~~Adequate~~ Good

Score 25 (0-25)

Criteria: Similar Recent Project Experience (20%)

No SC road project experience
County & FDOT projects

Score 10 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Satisfactory

Score 10 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 3 (0-5)

Total Score 83 (0-100) Ranking 6

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Inwood

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good understanding of project / Sanford issues. Recognized alignment study, made recommendation. Very comprehensive (no innov.)

Score 35
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 20
(0-25)

Criteria: Similar Recent Project Experience (20%)

Diverse projects w/SC, incl. roadways

Score 20
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Adequate

Score 10
(0-10)

Criteria: Location of Firm (5%)

Oviedo

Score 5
(0-5)

Total Score 90 (0-100) Ranking 3

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Keith & Schnars

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good understanding, comprehensive approach, recognized alignment study, no innovation identified

Score 30 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 20 (0-25)

Criteria: Similar Recent Project Experience (20%)

No SC roadway design projects
other county & DOT roadway projects

Score 15 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Adequate

Score 10 (0-10)

Criteria: Location of Firm (5%)

Altamonte Springs

Score 5 (0-5)

Total Score 80 (0-100) Ranking 8

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: MACTEC

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Acknowledges road study but not results
Generic but comprehensive
Good detail in traffic section No innovation mentioned

Score 25
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 25
(0-25)

Criteria: Similar Recent Project Experience (20%)

Similar experience w/counties, FDOT
SC experience - design/build overpasses
Bear Lake Rd?

Score 15
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Hard to tell.

Score 8
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 3
(0-5)

Total Score 76 (0-100) Ranking 9

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Metric

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Comprehensive approach, good detail in all sections
Recognized & builds on ~~the~~ alignment study
Innovation - survey & R/W

Score 40
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 25
(0-25)

Criteria: Similar Recent Project Experience (20%)

Multiple SC road projects
FDOT, Orange County

Score 20
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Hard to tell.

Score 8
(0-10)

Criteria: Location of Firm (5%)

Winter Park

Score 3
(0-5)

Total Score 96 (0-100) Ranking 1

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Parsons

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Std approach - not much detail
- no mention of alignment study
- no innovation

Score 20 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 25 (0-25)

Criteria: Similar Recent Project Experience (20%)

All FDOT road projects
One Orange Co trail project

Score 15 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Hard to tell

Score 8 (0-10)

Criteria: Location of Firm (5%)

Orlando

Score 3 (0-5)

Total Score 71 (0-100) Ranking 10

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: PEC

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Std. approach - no mention of alignment study
Drainage section good - Monroe Basin Study referenced

Score 30
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Satisfactory

Score 25
(0-25)

Criteria: Similar Recent Project Experience (20%)

One SC project - Sand Lake Rd
City & county projects

Score 15
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Hard to tell

Score 8
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 3
(0-5)

Total Score 81 (0-100) Ranking 7

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: RSH

QUALIFICATION COMMITTEE MEMBER: Gary Johnson

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Comprehensive approach - good section on drainage/permitting
Recognizes Commuter Rail impacts and previous alignment study. References to innovation - crime prevention, constructability

Score 38
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Adequate

Score 25
(0-25)

Criteria: Similar Recent Project Experience (20%)

SC projects all CEI
Multiple county road design projects (other counties)

Score 17
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Satisfactory

Score 10
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 3
(0-5)

Total Score 93 (0-100) Ranking 2

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: HDR

QUALIFICATION COMMITTEE MEMBER: Don Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria. Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Appear to completely understand the project. Emphasize the need for ongoing communication. There is an understanding of clearing hurdles before ~~beginning~~ beginning the next step.

Score 38
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Solid experience – capable of handling project – Roadway design engineer has been working in Marion, Flagler, and Daytona Beach.

Score 22
(0-25)

Criteria: Similar Recent Project Experience (20%)

Avalon Park in Orange County. Black Stone Parkway in Tallahassee.

Score 18
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good experience; however, issue in Seminole Co. The project team appears to have some history. Particularly with regard to GEC

Score 8
(0-10)

Criteria: Location of Firm (5%)

Orlando –

Score 4
(0-5)

Total Score 90 (0-100) Ranking _____

1

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: RSH

QUALIFICATION COMMITTEE MEMBER: Don Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Approach and understanding is strong. Appear to completely understand the elements to the project. However, steps are not clear, ie, public involvement

Score 37
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Team seems very qualified to complete the project.

Score 22
(0-25)

Criteria: Similar Recent Project Experience (20%)

- SR 200, Pine Ave, CR 15 (New roads): Similar projects, but not in Seminole.
- CR 419 PH 1&2

Score 18
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Team appears to have the experience needed to complete the job. One reference to a member having worked with RS&H in the past.

Score 8
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4
(0-5)

Total Score 89 (0-100) Ranking _____

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Bowyer - Singleton

QUALIFICATION COMMITTEE MEMBER: Dan Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very Strong understanding of the project and its issues. Recognize the costs associated with utility relocations is a big consideration of alignment.

Score 38
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Team appears to have the qualifications needed to perform on the project.

Score 21
(0-25)

Criteria: Similar Recent Project Experience (20%)

Lake Emma, Tuskawilla PH III & IV, C15, Dodd Rd. Good Seminole Co experience; except that these are all road widening projects vs extension.

Score 17
(0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Team seems very experienced; however, no description of how long they have worked together was provided.

Score 8
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4
(0-5)

Total Score 88 (0-100) Ranking _____

3

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Metric Engineering

QUALIFICATION COMMITTEE MEMBER: Dan Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Strong approach and project understanding. Seems to have everything covered.

Score 38
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Personnel and Firm appear to possess the qualifications needed to perform the job.

Score 21
(0-25)

Criteria: Similar Recent Project Experience (20%)

Eden Park, Lake Emma widening projects. Many of the projects listed seemed minor in nature.

Score 15
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Solid team. No description on how long they worked together

Score 8
(0-10)

Criteria: Location of Firm (5%)

Winter Park

Score 5
(0-5)

Total Score 87 (0-100) Ranking _____

4

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Brindley Pieters & Assoc.

QUALIFICATION COMMITTEE MEMBER: Dan Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Comprehensive approach and understanding of the project. Cost reduction was a consideration.

Score 36
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Firm and personnel appear qualified to complete the project. A little light in depth.

Score 21
(0-25)

Criteria: Similar Recent Project Experience (20%)

Biz Tree Rd, Providence Blvd, Enterprise Rd; Roadway and Drainage Design – Volusia County
Williamson Blvd - Roadway widening and drainage design.
No recent projects in Seminole County.

Score 17
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Project team appears capable of completing project. Time working together is not detailed.

Score 8
(0-10)

Criteria: Location of Firm (5%)

Altamonte Springs

Score 5
(0-5)

Total Score 87 (0-100) Ranking _____

5

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Parsons

QUALIFICATION COMMITTEE MEMBER: Don Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very strong in project approach and understanding. Good detail listed for PHASE 3.

Score 37
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Solid in qualifications for personnel and firm. Good experience leading the project.

Score 21
(0-25)

Criteria: Similar Recent Project Experience (20%)

Bellview bypass extension, PD&E for Palm Bay Parkway Now in Seminole

Score 17
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Not much description listed for team experience (subconsultants). Internal team seems strong.

Score 7
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4
(0-5)

Total Score 86 (0-100) Ranking _____

6

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: CPH

QUALIFICATION COMMITTEE MEMBER: Don Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good acknowledgement of need to design for larger trucks. Good recognition of utility coordination. Decent job of laying out approach

Score 34 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Personnel and the firm appear qualified to execute jobs.

Score 21 (0-25)

Criteria: Similar Recent Project Experience (20%)

Similar projects include St Johns Parkway, Heathrow International Parkway

Score 18 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Good experience listed for project team. Difficult to tell how long they have worked together.

Score 8 (0-10)

Criteria: Location of Firm (5%)

Sanford, Orlando and Deland.

Score 5 (0-5)

Total Score 86 (0-100) Ranking _____

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Keith and Schnars

QUALIFICATION COMMITTEE MEMBER: Dan Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very good understanding of the project. Very sound and good approach. Little light on deliverables.

Score 37
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Personnel and Firm seem to possess the qualifications needed to complete the job.

Score 20
(0-25)

Criteria: Similar Recent Project Experience (20%)

County Line Road widening (Polk)
Port St. Lucie (Turnpike)
- Road widening projects, no extensions. Only Seminole County work was a pole for 434 and Montgomery

Score 15
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Strong project team. Experience working together is not listed.

Score 8
(0-10)

Criteria: Location of Firm (5%)

Altamonte Springs

Score 5
(0-5)

Total Score 85 (0-100) Ranking _____

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Inwood

QUALIFICATION COMMITTEE MEMBER: Dan Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Didn't clearly layout the approach; although it did recognize drainage issues, traffic, and environmental. Strong emphasis placed on working w/Sanford but not with Sem. Co.

Score 32 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Team appears to have solid experience and qualifications.

Score 21 (0-25)

Criteria: Similar Recent Project Experience (20%)

Working on a couple of recent projects. Most appealing is Airport Blvd Pt III.

Score 17 (0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Was not noted in package. Assume that V.P.'s in firm represent some longevity.

Score 7 (0-10)

Criteria: Location of Firm (5%)

Firm is located in Seminole County (Oviedo)

Score 4 (0-5)

Total Score 81 (0-100) Ranking _____

9

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: PEC

QUALIFICATION COMMITTEE MEMBER: Dan Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Seemed to have a good handle to many of the project elements. Little light in public involvement and coordination.

Score 35
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Appear to be qualified. Might be a little light in depth.

Score 18
(0-25)

Criteria: Similar Recent Project Experience (20%)

Sand Lake Road (Seminole). Daniels, MAGUIRE (Orange). Berkley (Polk).

ONE Seminole County PROJECT. All widening, no extensions.

Score 16
(0-20)

Criteria: Project Team Experience

Length of time proposed project team has worked together (10%)

Internal team described. External members were only listed in an org chart.

Score 5
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4
(0-5)

Total Score 78 (0-100) Ranking _____

9 ~~10~~

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: MACTEC

QUALIFICATION COMMITTEE MEMBER: Don Fisher

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good Approach and understanding. Does not detail all of the steps in development of the project

Score 35
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Seems to be qualified. Might be a little light in depth and experience for projects of this type.

Score 17
(0-25)

Criteria: Similar Recent Project Experience (20%)

Primarily trail projects listed in section 1

Score 13
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Internal Team may be a little light on experience. External Team appears strong; however, length of time working together was not determined.

Score 7
(0-10)

Criteria: Location of Firm (5%)

Orlando

Score 4
(0-5)

Total Score 76 (0-100) Ranking _____

10 4

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Bowyer Singleton

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very good - very complete

Score 82 (0-40) 32.8

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Very good (Past Work)

20.0

Score 80 (0-25)

Criteria: Similar Recent Project Experience (20%)

Very good (Past Work

16.0

Score 80 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Very good (long standing team

8.0

Score 80 (0-10)

Criteria: Location of Firm (5%)

Very good - Orlando

4.0

Score 80 (0-5)

Total Score 80.80 (0-100) Ranking _____

80.80

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: BPA

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very general

28.0

Score 70 (0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

18.75

Score 75 (0-25)

Criteria: Similar Recent Project Experience (20%)

Good

15.0

Score 75 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good

7.5

Score 75 (0-10)

Criteria: Location of Firm (5%)

Excellent - Sim. Co

4.5

Score 90 (0-5)

Total Score _____(0-100) Ranking _____

73.75

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: CPH

QUALIFICATION COMMITTEE MEMBER: Jerry McCollu

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very general - a little on utilities

Score 71 (0-40) 28.4

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

Score 75 (0-25) 18.75

Criteria: Similar Recent Project Experience (20%)

Good

Score 75 (0-20) 15.0

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good

Score 75 (0-10) 7.5

Criteria: Location of Firm (5%)

Excellent - Sem. Co

Score 90 (0-5) 4.5

Total Score _____(0-100) Ranking _____

74.15

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: HDR

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very good covered in general all areas

Score 78 (0-40) 31.2

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

18.75

Score 75 (0-25)

Criteria: Similar Recent Project Experience (20%)

Good

Score 75 (0-20) 15.0

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good

7.5

Score 75 (0-10)

Criteria: Location of Firm (5%)

Very good - Orlando

4.0

Score 80 (0-5)

Total Score _____(0-100) Ranking _____

76.45

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Inwood

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good - Some Detail

Score 76 (0-40) 30.4

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Very good (Past work) 20.0

Score 80 (0-25)

Criteria: Similar Recent Project Experience (20%)

Very good (Past work 16.0

Score 80 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Very good 8.0

Score 80 (0-10)

Criteria: Location of Firm (5%)

Very good - Jenkins Co 4.5

Score 90 (0-5)

Total Score 78.9 (0-100) Ranking _____

78.90

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: K & S

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very general of the specifics

Score 72 (0-40) 28.8

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

Score 75 (0-25) 18.75

Criteria: Similar Recent Project Experience (20%)

Good

Score 75 (0-20) 15.0

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good 7.5

Score 75 (0-10)

Criteria: Location of Firm (5%)

Excellent - Seminole Co. 4.5

Score 90 (0-5)

Total Score _____(0-100) Ranking _____

74.55

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Mac Tec

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Very Good

Score 70 (0-40) 28.0

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

Score 75 (0-25) 18.75

Criteria: Similar Recent Project Experience (20%)

Good

Score 75 (0-20) 15.0

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good

Score 75 (0-10) 7.5

Criteria: Location of Firm (5%)

Very good - Orlando

Score 80 (0-5) 4.0

Total Score _____(0-100) Ranking _____

73.25

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Metric

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good

Score 75 (0-40) 30.0

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good (+) based on past work

Score 78 (0-25) 19.5

Criteria: Similar Recent Project Experience (20%)

Good (+) Based on past work

15.6

Score 78 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Very Good

8.0

Score 80 (0-10)

Criteria: Location of Firm (5%)

Very good - Winter Park

4.0

Score 80 (0-5)

Total Score _____(0-100) Ranking _____

77.10

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: Parsons

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good (Little general)

29.2

Score 73
(0-40)

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

Score 75
(0-25)

18.75

Criteria: Similar Recent Project Experience (20%)

Good

15.0

Score 75
(0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good

7.5

Score 75
(0-10)

Criteria: Location of Firm (5%)

Jerry Good - Orlando.

4.0

Score 80
(0-5)

Total Score _____(0-100) Ranking _____

74.45

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: PEC

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good

Score 75 (0-40) 30.0

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Very good on past work

Score 80 (0-25) 20.0

Criteria: Similar Recent Project Experience (20%)

Very good on past work

Score 80 (0-20) 16.0

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Very good

Score 80 (0-10) 8.0

Criteria: Location of Firm (5%)

Very good - Orlando

Score 80 (0-5) 4.0

Total Score 78.0 (0-100) Ranking _____

78.0

PS-5170-04/AJR –Airport Extension SR 46 – CR 15

SUBMITTAL COMPANY NAME: RSH

QUALIFICATION COMMITTEE MEMBER: Jerry McCollum

Describe strengths, weaknesses and deficiencies to support your assessment.

Criteria: Approach to Project/ Understanding of the Project – Innovative Solutions (40%)

Good

Score 75 (0-40) 30.0

Criteria: Qualifications of the Proposed Personnel and the Firm (25%)

Good

18.75

Score 75 (0-25)

Criteria: Similar Recent Project Experience (20%)

Good 15.0

Score 75 (0-20)

Criteria: Project Team Experience
Length of time proposed project team has worked together (10%)

Good

7.5

Score 75 (0-10)

Criteria: Location of Firm (5%)

Very good - O.K.

4.0

Score 80 (0-5)

Total Score _____(0-100) Ranking _____

75.25

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Bowyer – Singleton

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	80	(40%)
Hit all relevant topics	32	
potential for contamination identified		
Identify key areas that are a challenge in this project	85	(20%)
Newsletters	17	
Public involv		
Typical		
Previously suggested 2-lane section N.G.		
Innovative Solutions for this project	90	(20%)
Regional Pond	18	
Acceleration RON ✓		
Team Experience	95	(20%)
Top notch	19	
	86	

Comments and Notes: Very familiar with team and their work

Rater's name: Kathleen Myer Signature: KaMM

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: HDR

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	85	(40%)
Contacted: City developers New development identified good traffic modeling detail	34	
Identify key areas that are a challenge in this project	88	(20%)
Drainage - determination of ROW potential	17.6	
Innovative Solutions for this project	95	(20%)
Bike ped facilities Taking traffic counts to record impact of 17/92 closure.	19	
Team Experience	90	(20%)
Not personally familiar but proved similar experience.	18	
		88.6

Comments and Notes: Good presentation - especially traffic model info. 17/92.

Rater's name: Kathleen Meyer Signature: [signature]

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

2

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Metric

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	80	(40%)
Bill 50% of time available		
Wt. Cedar Estates - confirmed actual	32	
purchase confirmed for several parcels		
Urban Village Concept		
Little mention final design - No mention post design		
Identify key areas that are a challenge in this project	85	(20%)
Drainage/pond sites work w/ property owners	17	
Geometry at SR46/CR15 intersection		
- lots of lefts @ CR - w/ trucks		
Innovative Solutions for this project	87	(20%)
"D" alignment provides more frontage	17.4	
Team Experience	95	(20%)
County Exp: personal knowledge	19	
Eden Park / Lake Emma		
		85.4

Comments and Notes: Good team - familial w/ product

Rater's name: Kathleen Dyer Signature: [signature]

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Reynolds

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	90	(40%)
lots of contracts w/ other agencies	36	
Indicate I/II/III phases		
Identify key areas that are a challenge in this project	88	(20%)
Pond Siting	17.6	
Early discussions STRUNG to minimize pond impact and acquisition issues.		
Innovative Solutions for this project	95	(20%)
Great traffic review / preliminary models.	19	
Work w/ City/developers to help share $$		
Team Experience	90	(20%)
quals in proposal / No direct personal exp.	18	
		90.6

Comments and Notes: good presentation

Rater's name: Kathleen Myer Signature: [signature]

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Bowyer – Singleton

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	78	(40%)
Very good overview of growth in area and understanding of area wide issues. Detailed interview process. Good (+) – Little general although some specifics (Drainage) QAQC prog.	31.2	
Identify key areas that are a challenge in this project	80	(20%)
Public Involvement – Very detailed Env. Issues – Hazmat / Eagle Utilities – City improvements on Road, Drainage – Detailed very good	16.0	
Innovative Solutions for this project	78	(20%)
Regional Pond. Info from ROW info. on CRIS (Identify early) Prop. Owner Involvement. Good (+) – Drainage	15.6	
Team Experience Very good. Key player have been members of firm many years (15 years)	80	(20%)
	16.0	

Comments and Notes: Good / Very Good Presentation. Covered all issues. Some issues very detailed others general.

Rater's name: Jerry McColl Signature: [signature]

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

31.2
16.0
15.6
16.0
78.8

(1) What alignment
(2) What typical – Rec. 3L C/G or 5L C/G
(3) 9 mos. study / 12 mos. design
(4) 17/92 – Realignment

78.8

3

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: HDR

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	80	(40%)
Interviewed various groups.		
Widening Church / Cedar turnover to Sanford	32.0	
White Cedar - Town Center Very Good on Growth issues		
Use existing data where applicable, QA/QC		
Very Good		
Identify key areas that are a challenge in this project	80	(20%)
Drainage, Substandard roads		
Commuter Rail issues. Good on Drainage	16.0	
Maybe Randyard alignment better. Eagle meet		
Divert Trucks off 17/92 and Pike Pad		
Very good understanding of land use issues		
Innovative Solutions for this project	80	(20%)
Modeled Traffic in area especially		
interaction with 17/92. Use regional pond	16.0	
Use existing studies where applicable		
Very good		
Team Experience	78	(20%)
Good (+) solid team	15.6	

Comments and Notes: Very good. Covered many key future development issues

Rater's name: Jerry McCollum Signature: [signature]

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

64.0
15.6
79.6

(1) 17/92 Bypass issues - Aware of issue.
(2) Church St Typical ? —
(3) Flame Divided
PE 9-12 mos
Design 12 mos

79.6

2

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Metric

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	76	(40%)
Covered prior study, Discussed Church St. etc Interviewed various groups Good but general except Drainage which was detailed QA/QC Prog Public Involvement Program	30.4	
Identify key areas that are a challenge in this project Good	76	(20%)
Covered all areas in general Drainage issues, Develop issues Good on traffic.	15.2	
Innovative Solutions for this project Good	75	(20%)
Looked at 2 other alignments outside of study	15.0	
Team Experience Very good. Long term	80	(20%)
staff	16.0	

Comments and Notes: Good somewhat general

Rater's name: Jerry McCollum Signature: [signature]

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

30.4
15.2
15.0
16.0
76.6

Church St (60') - ?
17792 - TAZ / Centroid
Typical Raised / Flush
6 mos PE
1½ mos Design

76.6

A

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Reynolds

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work	82	(40%)
Interviewed various individuals		
Very good on traffic. Very good	32.8	
on alignments and traffic.		
General on drainage		
(Const.) Cost estimates 2L (3M) 4L (4.8M)		
Identify key areas that are a challenge in this project	80	(20%)
Traffic - Other Projects / US 17/92		
Landuse - Good Overview	16.0	
Commuter Rail		
Run traffic model (Very good)		
15 Hazmat sites in area, Eagle Nest		
Innovative Solutions for this project	80	(20%)
- Get all infrastructure in		
Build 1/2 urban first / then add	16.0	
2 lane (120 Row'). Also 100' typical		
Drainage Pond sitting, Very good		
Team Experience	78	(20%)
Good (+) team	15.6	

Comments and Notes:

Rater's name: Jerry McCollum Signature: [signature]

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

32.8
32.0
15.6
80.4

(1) Mixed use (% of Capture (Internal))
(2) 17/92 Impact
(3) 60' ROW at Church
(4) Catholic Church

PE 6 mos.
Design 12 mos.

80.4

(1)

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Bowyer – Singleton

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work very thorough, Identifying challenges as well as new ideas	35	(40%)
Identify key areas that are a challenge in this project Extensive list given of project challenges in the presentation	16	(20%)
Innovative Solutions for this project – use of regional and or joint use ponds	15	(20%)
Team Experience – Team has a lot of experience working together. This was the same team on the CIS project	18	(20%)
	84	

Comments and Notes:

Rater's name: Melonie C Barrington Signature: Melonie C Barrington

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

3

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: HDR

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work. The Approach was sufficient to complete the job.	32	(40%)
Identify key areas that are a challenge in this project – Identified a large planned development which will have a significant influence on the Alignment chosen. Also identifies the future commuter rail station which will possibly impact the area	17	(20%)
Innovative Solutions for this project – joint use ponds and reuse of previous study	12	(20%)
Team Experience seems to understand the role of each member and how they work together	14	(20%)
	75	

Comments and Notes:

Rater's name: Melonie C Barrington Signature: Melonie C Barrington

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

4

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Metric

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work understands the need to reevaluate the pending alignment recommended in relationship to proposed & current developments. Better define drainage basins Demonstrate project needs. Thorough understanding of the possible traffic issues ie. truck traffic	35	(40%)
Identify key areas that are a challenge in this project Inadequate ditches and drainage. Location of pond sites. R/W acquisition	18	(20%)
Innovative Solutions for this project Proposed a new alignment that comes out @ School Road.	18	(20%)
Team Experience Team has worked together on several San County projects	14	(20%)
	85	

Comments and Notes:

Rater's name: Melonie C Barrington

Signature: Melonie C Barrington

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

2

INTERVIEW RATING FORM

Date: October 06, 2004

Interview for (work): Airport Blvd. Extension

Name of the Firm: Reynolds

QUALIFICATIONS FACTORS	Points (0-100)	Weights
Proposed Approach to Performing the Work Determination of new Alignment and typical sections. Intensive Public Involvement and traffic analysis required for this process. Showed extensive knowledge of the traffic analysis process	39	(40%)
Identify key areas that are a challenge in this project N-S commuter rail proj and improvements to I-4 access. 2 key developments. Contamination w/i the proposed site.	18	(20%)
Innovative Solutions for this project joint use ponds	15	(20%)
Team Experience – TCAM has significant experience in P.+E Projects, and have worked on several projects together.	18	(20%)
	90	

Comments and Notes:

Rater's name: Melonie C Barlington

Signature: Melonie C Barlington

INSTRUCTIONS: Score each criterion from 1 to 100 based on the following general guidelines:

90 – 100 Outstanding, out-of-the-box, Innovative, Cost/Time Savings
80 – 89 Excellent, Very Good, Solid in all respects.
70 – 79 Good, No major weaknesses, Fully Acceptable as is
60 – 69 Marginal, Weak, Workable but needs clarifications
Below 60 Unacceptable, Needs major help to be acceptable

ENGINEERING SERVICES AGREEMENT (PS-5170-04/AJR)
AIRPORT BOULEVARD EXTENSION - S.R. 46 TO C.R. 15

THIS AGREEMENT is made and entered into this _____ day of _____, 20____, by and between **REYNOLDS, SMITH & HILLS, INC.**, duly authorized to conduct business in the State of Florida, whose address is 3670 Maguire Boulevard, Suite 300, Orlando, Florida 32803, hereinafter called the "CONSULTANT" and **SEMINOLE COUNTY**, a political subdivision of the State of Florida, whose address is Seminole County Services Building, 1101 East First Street, Sanford, Florida 32771, hereinafter called the "COUNTY".

W I T N E S S E T H:

WHEREAS, the COUNTY desires to retain the services of a competent and qualified consultant to provide engineering services for the Airport Boulevard Extension in Seminole County; and

WHEREAS, the COUNTY has requested and received expressions of interest for the retention of services of consultants; and

WHEREAS, the CONSULTANT is competent and qualified to furnish engineering services to the COUNTY and desires to provide professional services according to the terms and conditions stated herein,

NOW, THEREFORE, in consideration of the mutual understandings and covenants set forth herein, the COUNTY and the CONSULTANT agree as follows:

SECTION 1. SERVICES. The COUNTY does hereby retain the CONSULTANT to furnish professional services and perform those tasks as further described in the Scope of Services attached hereto as Exhibit "A" and made a part hereof. Required services shall be specifically enumerated, described and depicted in the Work Orders authorizing performance of the specific project, task or study. This Agreement standing alone does not authorize the performance of any work or require the COUNTY to place any orders for work.

SECTION 2. TERM. This Agreement shall take effect on the date of its execution by the COUNTY and shall run for a period of eight (8) years and, at the sole option of COUNTY, may be renewed for two (2) successive periods not to exceed one (1) year each. Expiration of the term of this Agreement shall have no effect upon Work Orders issued pursuant to this Agreement and prior to the expiration date. Obligations entered therein by both parties shall remain in effect until completion of the work authorized by the Work Order.

SECTION 3. AUTHORIZATION FOR SERVICES. Authorization for performance of professional services by the CONSULTANT under this Agreement shall be in the form of written Work Orders issued and executed by the COUNTY and signed by the CONSULTANT. A sample Work Order is attached hereto as Exhibit "B". Each Work Order shall describe the services required, state the dates for commencement and completion of work and establish the amount and method of payment. The Work Orders will be issued under and shall incorporate the terms of this Agreement. The COUNTY makes no covenant or promise as to the number of available projects, nor that, the CONSULTANT will perform any project for the COUNTY during the life of this Agreement. The COUNTY reserves the right to contract with other parties for the services contemplated by this Agreement when it is determined by the COUNTY to be in the best interest of the COUNTY to do so.

SECTION 4. TIME FOR COMPLETION. The services to be rendered by the CONSULTANT shall be commenced, as specified in such Work Orders as may be issued hereunder, and shall be completed within the time specified therein. In the event the COUNTY determines that significant benefits would accrue from expediting an otherwise established time schedule for completion of services under a given Work Order, that Work Order may include a negotiated schedule of incentives based on time

savings.

SECTION 5. COMPENSATION. The COUNTY agrees to compensate the CONSULTANT for the professional services called for under this Agreement on either a "Fixed Fee Basis" or on a "Time Basis Method". If a Work Order is issued under a "Time Basis Method," then CONSULTANT shall be compensated in accordance with the Rate Schedule attached as Exhibit "C". If a Work Order is issued for a "Fixed Fee Basis," then the applicable Work Order shall provide for no reimbursable expenses. The total annual compensation paid to the CONSULTANT pursuant to this Agreement, including reimbursable expenses, shall not exceed the annual amount budgeted for CONSULTANTing services for this project.

SECTION 6. REIMBURSABLE EXPENSES. If a Work Order is issued on a "Time Basis Method," then reimbursable expenses are in addition to the hourly rates. Reimbursable expenses are subject to the applicable "Not-to-Exceed" or "Limitation of Funds" amount set forth in the Work Order. Reimbursable expenses may include actual expenditures made by the CONSULTANT, his employees or his professional associates in the interest of the Project for the expenses listed in the following paragraphs:

(a) Expenses of transportation, when traveling in connection with the Project, based on Sections 112.061(7) and (8), Florida Statutes, or their successor; long distance calls and telegrams; and fees paid for securing approval of authorities having jurisdiction over the Project.

(b) Expense of reproductions, postage and handling of drawings and specifications.

(c) If authorized in writing in advance by the COUNTY, the cost of other expenditures made by the CONSULTANT in the interest of the Project.

SECTION 7. PAYMENT AND BILLING.

(a) If the Scope of Services required to be performed by a Work Order is clearly defined, the Work Order shall be issued on a "Fixed Fee" basis. The CONSULTANT shall perform all work required by the Work Order but, in no event, shall the CONSULTANT be paid more than the negotiated Fixed Fee amount stated therein.

(b) If the Scope of Services is not clearly defined, the Work Order may be issued on a "Time Basis Method" and contain a Not-to Exceed amount. If a Not-to-Exceed amount is provided, the CONSULTANT shall perform all work required by the Work Order; but, in no event, shall the CONSULTANT be paid more than the Not-to-Exceed amount specified in the applicable Work Order.

(c) If the Scope of Services is not clearly defined, the Work Order may be issued on a "Time Basis Method" and contain a Limitation of Funds amount. The CONSULTANT is not authorized to exceed that amount without the prior written approval of the COUNTY. Said approval, if given by the COUNTY, shall indicate a new Limitation of Funds amount. The CONSULTANT shall advise the COUNTY whenever the CONSULTANT has incurred expenses on any Work Order that equals or exceeds eighty percent (80%) of the Limitation of Funds amount.

(d) For Work Orders issued on a "Fixed Fee Basis," the CONSULTANT may invoice the amount due based on the percentage of total Work Order services actually performed and completed; but, in no event, shall the invoice amount exceed a percentage of the Fixed Fee amount equal to a percentage of the total services actually completed.

(e) For Work Orders issued on a "Time Basis Method" with a Not-to-Exceed amount, the CONSULTANT may invoice the amount due for actual work hours performed but, in no event, shall the invoice amount exceed a percentage of the Not-to-Exceed amount equal to a percentage of the

total services actually completed.

(f) For Work Orders issued on a "Time Basis Method" with a Limitation of Funds amount, the CONSULTANT may invoice the amount due for services actually performed and completed. The COUNTY shall pay the CONSULTANT one hundred percent (100%) of the approved amount on Work Orders issued on a "Time Basis Method" with a Limitation of Funds amount.

(g) Payments shall be made by the COUNTY to the CONSULTANT when requested as work progresses for services furnished, but not more than once monthly. Each Work Order shall be invoiced separately. CONSULTANT shall render to COUNTY, at the close of each calendar month, an itemized invoice properly dated, describing any services rendered, the cost of the services, the name and address of the CONSULTANT, Work Order Number, Contract Number and all other information required by this Agreement.

The original invoice shall be sent to:

Director of County Finance
Seminole County Board of County Commissioners
Post Office Box 8080
Sanford, Florida 32772

A duplicate copy of the invoice shall be sent to:

Seminole County Engineering Department
520 W. Lake Mary Blvd., Suite 200
Sanford, Florida 32773

(h) Payment shall be made after review and approval by COUNTY within thirty (30) days of receipt of a proper invoice from the CONSULTANT.

SECTION 8. GENERAL TERMS OF PAYMENT AND BILLING.

(a) Upon satisfactory completion of work required hereunder and, upon acceptance of the work by the COUNTY, the CONSULTANT may invoice the COUNTY for the full amount of compensation provided for under the terms of this Agreement including any retainage and less any amount already paid by the COUNTY. The COUNTY shall pay the CONSULTANT within

thirty (30) days of receipt of proper invoice.

(b) The COUNTY may perform or have performed an audit of the records of the CONSULTANT after final payment to support final payment hereunder. This audit would be performed at a time mutually agreeable to the CONSULTANT and the COUNTY subsequent to the close of the final fiscal period in which the last work is performed. Total compensation to the CONSULTANT may be determined subsequent to an audit as provided for in subsections (b) and (c) of this Section, and the total compensation so determined shall be used to calculate final payment to the CONSULTANT. Conduct of this audit shall not delay final payment as provided by subsection (a) of this Section.

(c) In addition to the above, if federal funds are used for any work under the Agreement, the Department of Housing and Urban Development, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers, and records, of the CONSULTANT which are directly pertinent to work performed under this Agreement for purposes of making audit, examination, excerpts and transcriptions.

(d) The CONSULTANT agrees to maintain all books, documents, papers, accounting records and other evidences pertaining to work performed under this Agreement in such a manner as will readily conform to the terms of this Agreement and to make such materials available at the CONSULTANT'S office at all reasonable times during the Agreement period and for five (5) years from the date of final payment under the contract for audit or inspection as provided for in subsections (b) and (c) of this Section.

(e) In the event any audit or inspection conducted after final payment, but within the period provided in paragraph (d) of this Section reveals any overpayment by the COUNTY under the terms of the Agreement,

the CONSULTANT shall refund such overpayment to the COUNTY within thirty (30) days of notice by the COUNTY.

SECTION 9. RESPONSIBILITIES OF THE CONSULTANT.

(a) The CONSULTANT shall be responsible for the professional quality, technical accuracy, competence, methodology, accuracy and the coordination of all of the following which are listed for illustration purposes and not as a limitation: documents, analysis, reports, data, plans, plats, maps, surveys, specifications, and any and all other services of whatever type or nature furnished by the CONSULTANT under this Agreement. The CONSULTANT shall, without additional compensation, correct or revise any errors or deficiencies in his plans, analysis, data, reports, designs, drawings, specifications, and any and all other services of whatever type or nature.

(b) Neither the COUNTY'S review, approval or acceptance of, nor payment for, any of the services required shall be construed to operate as a waiver of any rights under this Agreement nor of any cause of action arising out of the performance of this Agreement and the CONSULTANT shall be and always remain liable to the COUNTY in accordance with applicable law for any and all damages to the COUNTY caused by the CONSULTANT'S negligent or wrongful performance of any of the services furnished under this Agreement.

SECTION 10. OWNERSHIP OF DOCUMENTS. All deliverable analysis, reference data, survey data, plans and reports or any other form of written instrument or document that may result from the CONSULTANT'S services or have been created during the course of the CONSULTANT'S performance under this Agreement shall become the property of the COUNTY after final payment is made to the CONSULTANT.

SECTION 11. TERMINATION.

(a) The COUNTY may, by written notice to the CONSULTANT terminate this Agreement or any Work Order issued hereunder, in whole or in part, at any time, either for the COUNTY'S convenience or because of the failure of the CONSULTANT to fulfill its Agreement obligations. Upon receipt of such notice, the CONSULTANT shall:

(1) immediately discontinue all services affected unless the notice directs otherwise, and

(2) deliver to the COUNTY all data, drawings, specifications, reports, estimates, summaries, and any and all such other information and materials of whatever type or nature as may have been accumulated by the CONSULTANT in performing this Agreement, whether completed or in process.

(b) If the termination is for the convenience of the COUNTY, the CONSULTANT shall be paid compensation for services performed to the date of termination. If this Agreement calls for the payment based on a Fixed Fee amount, the CONSULTANT shall be paid no more than a percentage of the Fixed Fee amount equivalent to the percentage of the completion of work, as determined solely and conclusively by the COUNTY, contemplated by this Agreement.

(c) If the termination is due to the failure of the CONSULTANT to fulfill its Agreement obligations, the COUNTY may take over the work and prosecute the same to completion by other Agreements or otherwise. In such case, the CONSULTANT shall be liable to the COUNTY for all reasonable additional costs occasioned to the COUNTY thereby. The CONSULTANT shall not be liable for such additional costs if the failure to perform the Agreement arises without any fault or negligence of the CONSULTANT; provided, however, that the CONSULTANT shall be responsible and liable for the actions of its subcontractors, agents, employees and persons and

entities of a similar type or nature. Such causes may include acts of God or of the public enemy, acts of the COUNTY in either it's sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but, in every case, the failure to perform must be beyond the control and without any fault or negligence of the CONSULTANT.

(d) If, after notice of termination for failure to fulfill its Agreement obligations, it is determined that the CONSULTANT had not so failed, the termination shall be conclusively deemed to have been effected for the convenience of the COUNTY. In such event, adjustment in the Agreement price shall be made as provided in subsection (b) of this Section.

(e) The rights and remedies of the COUNTY provided for in this Section are in addition and supplemental to any and all other rights and remedies provided by law or under this Agreement.

SECTION 12. AGREEMENT AND WORK ORDER IN CONFLICT. Whenever the terms of this Agreement conflict with any Work Order issued pursuant to it, the Agreement shall prevail.

SECTION 13. EQUAL OPPORTUNITY EMPLOYMENT. The CONSULTANT agrees that it will not discriminate against any employee or applicant for employment for work under this Agreement because of race, color, religion, sex, age, disability, or national origin and will take steps to ensure that applicants are employed, and employees are treated during employment, without regard to race, color, religion, sex, age, disability, or national origin. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

SECTION 14. NO CONTINGENT FEES. The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from award or making of this Agreement. For the breach or violation of this provision, the COUNTY shall have the right to terminate the Agreement at its sole discretion, without liability and to deduct from the Agreement price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration.

SECTION 15. CONFLICT OF INTEREST.

(a) The CONSULTANT agrees that it will not contract for or accept employment for the performance of any work or service with any individual, business, corporation or government unit that would create a conflict of interest in the performance of its obligations pursuant to this Agreement with the COUNTY.

(b) The CONSULTANT agrees that it will neither take any action nor engage in any conduct that would cause any COUNTY employee to violate the provisions of Chapter 112, Florida Statutes, relating to ethics in government.

(c) In the event that CONSULTANT causes or in any way promotes or encourages a COUNTY officer, employee, or agent to violate Chapter 112, Florida Statutes, the COUNTY shall have the right to terminate this Agreement.

SECTION 16. ASSIGNMENT. This Agreement, or any interest herein, shall not be assigned, transferred, or otherwise encumbered, under any circumstances, by the parties hereto without prior written consent of

the other party and in such cases only by a document of equal dignity herewith.

SECTION 17. SUBCONTRACTORS. In the event that the CONSULTANT, during the course of the work under this Agreement, requires the services of any subcontractors or other professional associates in connection with services covered by this Agreement, the CONSULTANT must first secure the prior express written approval of the COUNTY. If subcontractors or other professional associates are required in connection with the services covered by this Agreement, CONSULTANT shall remain fully responsible for the services of subcontractors or other professional associates.

SECTION 18. INDEMNIFICATION OF COUNTY. The CONSULTANT agrees to hold harmless, replace, and indemnify the COUNTY, its commissioners, officers, employees, and agents against any and all claim, losses, damages or lawsuits for damages, arising from, allegedly arising from, or related to the provision of services hereunder by the CONSULTANT, whether caused by the CONSULTANT or otherwise. This hold harmless, release and indemnification shall include any claim based on negligence, action or inaction of the parties.

SECTION 19. INSURANCE.

(a) GENERAL. The CONSULTANT shall at the CONSULTANT'S own cost, procure the insurance required under this Section.

(1) The CONSULTANT shall furnish the COUNTY with a Certificate of Insurance signed by an authorized representative of the insurer evidencing the insurance required by this Section (Professional Liability, Workers' Compensation/Employer's Liability and Commercial General Liability). The COUNTY, its officials, officers, and employees shall be named additional insured under the Commercial General Liability policy. The Certificate of Insurance shall provide that the COUNTY shall be

given not less than thirty (30) days written notice prior to the cancellation or restriction of coverage. Until such time as the insurance is no longer required to be maintained by the CONSULTANT, the CONSULTANT shall provide the COUNTY with a renewal or replacement Certificate of Insurance not less than thirty (30) days before expiration or replacement of the insurance for which a previous certificate has been provided.

(2) The Certificate shall contain a statement that it is being provided in accordance with the Agreement and that the insurance is in full compliance with the requirements of the Agreement. In lieu of the statement on the Certificate, the CONSULTANT shall, at the option of the COUNTY submit a sworn, notarized statement from an authorized representative of the insurer that the Certificate is being provided in accordance with the Agreement and that the insurance is in full compliance with the requirements of the Agreement. **The Certificate shall have this Agreement number clearly marked on its face.**

(3) In addition to providing the Certificate of Insurance, if required by the COUNTY, the CONSULTANT shall, within thirty (30) days after receipt of the request, provide the COUNTY with a certified copy of each of the policies of insurance providing the coverage required by this Section.

(4) Neither approval by the COUNTY nor failure to disapprove the insurance furnished by a CONSULTANT shall relieve the CONSULTANT of the CONSULTANT'S full responsibility for performance of any obligation including CONSULTANT indemnification of COUNTY under this Agreement.

(b) INSURANCE COMPANY REQUIREMENTS. Insurance companies providing the insurance under this Agreement must meet the following requirements:

(1) Companies issuing policies other than Workers' Compensation, must be authorized to conduct business in the State of Florida and prove same by maintaining Certificates of Authority issued to the companies by the Department of Insurance of the State of Florida. Policies for Workers' Compensation may be issued by companies authorized as a group self-insurer by Section 440.57, Florida Statutes.

(2) In addition, such companies other than those authorized by Section 440.57, Florida Statutes, shall have and maintain a Best's Rating of "A" or better and a Financial Size Category of "VII" or better according to A.M. Best Company.

(3) If, during the period which an insurance company is providing the insurance coverage required by this Agreement, an insurance company shall: 1) lose its Certificate of Authority, 2) no longer comply with Section 440.57, Florida Statutes, or 3) fail to maintain the requisite Best's Rating and Financial Size Category, the CONSULTANT shall, as soon as the CONSULTANT has knowledge of any such circumstance, immediately notify the COUNTY and immediately replace the insurance coverage provided by the insurance company with a different insurance company meeting the requirements of this Agreement. Until such time as the CONSULTANT has replaced the unacceptable insurer with an insurer acceptable to the COUNTY the CONSULTANT shall be deemed to be in default of this Agreement.

(c) SPECIFICATIONS. Without limiting any of the other obligations or liability of the CONSULTANT, the CONSULTANT shall, at the CONSULTANT'S sole expense, procure, maintain and keep in force amounts and types of insurance conforming to the minimum requirements set forth in this subsection. Except as otherwise specified in the Agreement, the insurance shall become effective prior to the commencement of work by the CONSULTANT and shall be maintained in force until the Agreement

completion date. The amounts and types of insurance shall conform to the following minimum requirements.

(1) Workers' Compensation/Employer's Liability.

(A) The CONSULTANT'S insurance shall cover the CONSULTANT for liability which would be covered by the latest edition of the standard Workers' Compensation Policy, as filed for use in Florida by the National Council on Compensation Insurance, without restrictive endorsements. The CONSULTANT will also be responsible for procuring proper proof of coverage from its subcontractors of every tier for liability which is a result of a Workers' Compensation injury to the subcontractor's employees. The minimum required limits to be provided by both the CONSULTANT and its subcontractors are outlined in subsection (c) below. In addition to coverage for the Florida Workers' Compensation Act, where appropriate, coverage is to be included for the United States Longshoremen and Harbor Workers' Compensation Act, Federal Employers' Liability Act and any other applicable federal or state law.

(B) Subject to the restrictions of coverage found in the standard Workers' Compensation Policy, there shall be no maximum limit on the amount of coverage for liability imposed by the Florida Workers' Compensation Act, the United States Longshoremen's and Harbor Workers' Compensation Act, or any other coverage customarily insured under Part One of the standard Workers' Compensation Policy.

(C) The minimum amount of coverage under Part Two of the standard Workers' Compensation Policy shall be:

$500,000.00	(Each Accident)
$500,000.00	(Disease-Policy Limit)
$500,000.00	(Disease-Each Employee)

(2) Commercial General Liability.

(A) The CONSULTANT'S insurance shall cover the CONSULTANT for those sources of liability which would be covered by the

latest edition of the standard Commercial General Liability Coverage Form (ISO Form CG 00 01), as filed for use in the State of Florida by the Insurance Services Office, without the attachment of restrictive endorsements other than the elimination of Coverage C, Medical Payment and the elimination of coverage for Fire Damage Legal Liability.

(B) The minimum limits to be maintained by the CONSULTANT (inclusive of any amounts provided by an Umbrella or Excess policy) shall be as follows:

	LIMITS
General Aggregate	$Three (3) Times the Each Occurrence Limit
Personal & Advertising Injury Limit	$1,000,000.00
Each Occurrence Limit	$1,000,000.00

(3) Professional Liability Insurance. The CONSULTANT shall carry limits of not less than ONE MILLION AND NO/100 DOLLARS ($1,000,000.00).

(d) COVERAGE. The insurance provided by CONSULTANT pursuant to this Agreement shall apply on a primary basis and any other insurance or self-insurance maintained by the COUNTY or the COUNTY'S officials, officers, or employees shall be excess of and not contributing with the insurance provided by or on behalf of the CONSULTANT.

(e) OCCURRENCE BASIS. The Workers' Compensation Policy and the Commercial General Liability required by this Agreement shall be provided on an occurrence rather than a claims-made basis. The Professional Liability insurance policy must either be on an occurrence basis, or, if a claims-made basis, the coverage must respond to all claims reported within three (3) years following the period for which coverage is required and which would have been covered had the coverage been on an occurrence basis.

(f) OBLIGATIONS. Compliance with the foregoing insurance requirements shall not relieve the CONSULTANT, its employees or agents of liability from any obligation under a Section or any other portions of this Agreement.

SECTION 20. ALTERNATIVE DISPUTE RESOLUTION (ADR).

(a) In the event of a dispute related to any performance or payment obligation arising under this Agreement, the parties agree to exhaust COUNTY ADR procedures prior to filing suit or otherwise pursuing legal remedies. COUNTY ADR procedures for proper invoice and payment disputes are set forth in Section 55.1, "Prompt Payment Procedures," Seminole County Administrative Code. Contract claims include all controversies, except disputes addressed by the "Prompt Payment Procedures," arising under this Agreement with ADR procedures set forth in Section 220.102, "Contract Claims," Seminole County Code.

(b) CONSULTANT agrees that it will file no suit or otherwise pursue legal remedies based on facts or evidentiary materials that were not presented for consideration in the COUNTY ADR procedures set forth in subsection (a) above of which the CONSULTANT had knowledge and failed to present during the COUNTY ADR procedures.

(c) In the event that COUNTY ADR procedures are exhausted and a suit is filed or legal remedies are otherwise pursued, the parties shall exercise best efforts to resolve disputes through voluntary mediation. Mediator selection and the procedures to be employed in voluntary mediation shall be mutually acceptable to the parties. Costs of voluntary mediation shall be shared equally among the parties participating in the mediation.

SECTION 21. REPRESENTATIVES OF THE COUNTY AND THE CONSULTANT.

(a) It is recognized that questions in the day-to-day conduct of performance pursuant to this Agreement will arise. The COUNTY, upon

request by the CONSULTANT, shall designate in writing and shall advise the CONSULTANT in writing of one (1) or more of its employees to whom all communications pertaining to the day-to-day conduct of this Agreement shall be addressed. The designated representative shall have the authority to transmit instructions, receive information and interpret and define the COUNTY'S policy and decisions pertinent to the work covered by this Agreement.

(b) The CONSULTANT shall, at all times during the normal work week, designate or appoint one or more representatives of the CONSULTANT who are authorized to act in behalf of and bind the CONSULTANT regarding all matters involving the conduct of the performance pursuant to this Agreement and shall keep the COUNTY continually and effectively advised of such designation.

SECTION 22. ALL PRIOR AGREEMENTS SUPERSEDED. This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained or referred to in this document. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written.

SECTION 23. MODIFICATIONS, AMENDMENTS OR ALTERATIONS. No modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

SECTION 24. INDEPENDENT CONTRACTOR. It is agreed that nothing herein contained is intended or should be construed as in any manner creating or establishing a relationship of co-partners between the

parties, or as constituting the CONSULTANT (including its officers, employees, and agents) the agent, representative, or employee of the COUNTY for any purpose, or in any manner, whatsoever. The CONSULTANT is to be and shall remain forever an independent contractor with respect to all services performed under this Agreement.

SECTION 25. EMPLOYEE STATUS. Persons employed by the CONSULTANT in the performance of services and functions pursuant to this Agreement shall have no claim to pension, workers' compensation, unemployment compensation, civil service or other employee rights or privileges granted to the COUNTY'S officers and employees either by operation of law or by the COUNTY.

SECTION 26. SERVICES NOT PROVIDED FOR. No claim for services furnished by the CONSULTANT not specifically provided for herein shall be honored by the COUNTY.

SECTION 27. PUBLIC RECORDS LAW. CONSULTANT acknowledges COUNTY'S obligations under Article I, Section 24, Florida Constitution and Chapter 119, Florida Statutes, to release public records to members of the public upon request. CONSULTANT acknowledges that COUNTY is required to comply with Article I, Section 24, Florida Constitution and Chapter 119, Florida Statutes, in the handling of the materials created under this Agreement and that said statute controls over the terms of this Agreement.

SECTION 28. COMPLIANCE WITH LAWS AND REGULATIONS. In providing all services pursuant to this Agreement, the CONSULTANT shall abide by all statutes, ordinances, rules, and regulations pertaining to, or regulating the provisions of, such services, including those now in effect and hereafter adopted. Any violation of said statutes, ordinances, rules, or regulations shall constitute a material breach of this Agreement, and shall entitle the COUNTY to terminate this Agreement

immediately upon delivery of written notice of termination to the CONSULTANT.

SECTION 29. NOTICES. Whenever either party desires to give notice unto the other, it must be given by written notice, sent by registered or certified United States mail, with return receipt requested, addressed to the party for whom it is intended at the place last specified and the place for giving of notice shall remain such until it shall have been changed by written notice in compliance with the provisions of this Section. For the present, the parties designate the following as the respective places for giving of notice, to-wit:

FOR COUNTY:

Engineering Department
520 W. Lake Mary Blvd., Suite 200
Sanford, FL 32773

FOR CONSULTANT:

Reynolds, Smith & Hills, Inc.
3670 Maguire Blvd., Suite 300
Orlando, FL 32803

SECTION 30. RIGHTS AT LAW RETAINED. The rights and remedies of the COUNTY, provided for under this Agreement, are in addition and supplemental to any other rights and remedies provided by law.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the date below written for execution by the COUNTY.

ATTEST:

REYNOLDS, SMITH & HILLS, INC.

_____
, Secretary

By:_____
JAMES R. AVITABILE, P.E.
Vice-President

(CORPORATE SEAL)

Date:_____

ATTEST:

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

_____

MARYANNE MORSE
Clerk to the Board of
County Commissioners of
Seminole County, Florida.

For use and reliance
of Seminole County only.

Approved as to form and
legal sufficiency.

_____

County Attorney

AC/lpk
10/8/04
ps-5170

3 Attachments:
Exhibit "A" - Scope of Services
Exhibit "B" - Sample Work Order
Exhibit "C" - Rate Schedule

By:_____
DARYL G. MCLAIN, Chairman

Date:_____

As authorized for execution by
the Board of County Commissioners
at their _____, 20___
regular meeting.

Exhibit A

Airport Boulevard Extension

State Road 46 to County Road 15

Scope of Services

Phase I: Preliminary Engineering

A. PURPOSE AND INTENT

Seminole County (**COUNTY**) wishes to select a Professional Engineering firm (**CONSULTANT**) to perform a Preliminary Engineering Study (**PES**) to improve the Airport Boulevard Extension, between State Road 46 and County Road 15, approximately 1.7 miles.

The purpose of this document is to inform to prospective **CONSULTANTS** that the **COUNTY** intends to improve this corridor and its terminus points to accommodate forecasted design year vehicular and non-vehicular traffic loads. This document defines the scope of work and the responsibilities of the **CONSULTANT** and it provides a non-exclusive summary of technical requirements and necessary professional services.

B. PROJECT DESCRIPTION

The project is located in Sanford, Florida and unincorporated portions of Seminole County. The project involves the analysis of the transportation corridor and related infrastructure improvements to portions of existing roads or a potentially newly defined roadway corridor to extend Airport Boulevard north of SR 46 to CR 15, also known as Upsala and/or Monroe Road. Airport Boulevard south of SR 46 will be realigned to connect to the existing alignment of Bevier Road. The extension to the newly aligned Airport Boulevard will commence north of SR 46 in the approximate location of Randyard Road.

C. SCOPE OF WORK REQUIREMENTS

The **CONSULTANT** will provide all necessary professional services in connection with the performance of a **PES** and other services required to analyze the transportation corridor of Airport Boulevard Extension between State Road 46 and County Road 15 with the intent of improving this corridor's vehicular and non-vehicular capacity, traffic circulation and safety consistent with forecasted traffic studies provided within these services. The analysis is to include capacity improvements to intersecting streets, recommended traffic signalization for the entire corridor, environmental impacts and mitigation elements, if necessary, drainage improvements associated with these recommended improvements and landscaping. The **CONSULTANT** is to provide those services necessary so that **COUNTY** staff and the Board of County Commissioners (**BCC**) can decide on the typical section, alignment and preliminary design features.

The **COUNTY** expects to receive sufficient information and data, with appropriate professional recommendations, to pursue project design, environmental permitting, public advertisement and subsequent construction of this project based upon these herein described professional services. Further, the **COUNTY** expects the **CONSULTANT** to pursue the execution of this project in a timely and professional manner.

The **CONSULTANT** will submit **a man-hour and lump-sum fee proposal** for the required services, including **SUBCONSULTANT** services and direct expenses. With this proposal, the **CONSULTANT** will provide a Project Schedule, as described in Section 1.2 of Appendix A-1.

The professional services for the **PES** included within this Scope of Services can be generally grouped into the following six primary categories:

1. **Administration**
2. **Public Involvement**
3. **Data Collection**
4. **Development and Analysis of Improvement Alternatives**
5. **Preferred Improvement Concept**
6. **Deliverables**

Please refer to the **Appendix A-1** for a description of each task within these six (6) elements. These descriptions define the specific tasks within this Scope of Services and are to be used as minimum criteria for project performance and execution.

D. GENERAL PROJECT REQUIREMENTS

1.0 Project Invoicing

When invoicing, the **CONSULTANT** is to submit an invoicing distribution consistent with the six (6) primary categories of the Scope of Services. Direct expenses shall be separately listed.

Each month's invoice is to indicate the following minimum data:

- Invoice Number
- Contract amount
- Percent (%) complete for each category (to date)
- Previous percent (%) complete for each category
- An overall project percent (%) complete (to date)
- An overall earned amount (to date)
- Total retainage to date
- The previous invoice amount (incl. retainage)
- Amount earned this invoice
- Less retainage (current invoice)
- Amount due this invoice

2.0 CONSULTANT Personnel

The **CONSULTANT**'s work is to be performed by the key personnel at the office location identified in the proposal submitted by the **CONSULTANT** during the selection process. Prior to any changes in the indicated personnel or the **CONSULTANT**'s office-in-charge of the work, as identified in the **CONSULTANT**'s Proposal, these changes will be reviewed and approved by the **COUNTY** in writing.

3.0 Project Related Correspondence

The **CONSULTANT** will furnish copies of all correspondence, telephone memorandums, Fax's, maps, exhibits, etc. between the **CONSULTANT** and any party regarding this project. This information is to be forwarded to the **COUNTY**'s Project Manager within one (1) week of the contact with these parties.

The **CONSULTANT** is responsible for recording and distributing the minutes of all meetings, presentations, etc. pertaining to this project.

4.0 Professional Endorsement

The **CONSULTANT** will provide the **COUNTY** with final copies of the Preliminary Engineering Report with his/her professional endorsement (sign/seal as appropriate). All supporting reports will also be professionally endorsed as appropriate.

5.0 **Supplemental Services**

Fees and associated time for completion of additional work that is determined by the **COUNTY** to be extraordinary to the accomplishment or requirements of the original work contemplated in the scope of services may be negotiated as an extension of the man-hour and fee proposal within the approved design services Agreement utilizing man-hour unit price basis from the current fee proposal for similar work. Supplemental work for tasks not contemplated in the Scope of Services can be negotiated as a formal amendment to the original design services Agreement. The executed work order will authorize the additional work to begin.

6.0 **Subcontractor Services**

The variety of the professional services required to successfully design the project makes it desirable, if not necessary, for the **CONSULTANT** to subcontract portions of the work (e.g., aerial photography). The **CONSULTANT** is authorized to subcontract these services under the provisions of this document. However, a minimum of 75% of the total contract man-hours specified for work described in the Scope of Services must be performed by the prime **CONSULTANT**, unless unique features of the project dictate otherwise. In such cases, the **CONSULTANT** must receive prior written approval from the **COUNTY**. The subcontracting firms must be approved by the **COUNTY** prior to initiation of their work on this project.

Coordination of **SUBCONSULTANT** services is the responsibility of the **CONSULTANT**. The **CONSULTANT** shall be fully responsible for the satisfactory performance of all subcontracted work. All work shall be reviewed by the **CONSULTANT** prior to delivery to the **COUNTY**.

APPENDIX A-1
Expanded Scope of Services – Phase I

1.0 Administration

1.1 **Project Initiation/Notice to Proceed**

The **CONSULTANT** will prepare for and attend a Kick-off Meeting with the **COUNTY**'s Project Manager, staff and others as determined by the **COUNTY**. At this meeting, the **COUNTY** and key members of the **CONSULTANT**'s team will set the final parameters for the project.

The executed work order will serve as the Notice to Proceed.

1.2 **Project Schedule**

As part of the man-hour and lump-sum fee proposal, the **CONSULTANT** will provide a Project Schedule, identifying the timetable for execution and completion of all elements of the Scope of Work. The schedule will identify major tasks, duration and task relationships. Submittal will be in 11"x17" paper format and in electronic format in a form compatible with ***MS Project***. The schedule will indicate both projected and actual completions dates. The **CONSULTANT** will send the **COUNTY**'s Project Manager an e-mail update of the ***MS Project*** compatible schedule monthly with a MS Word (doc format) and HTML version for general use.

1.3 **Project Status Meetings**

The appropriate members of the **CONSULTANT**'s team will attend up to four (4) periodic meetings with the **COUNTY**'s Project Manager and staff to discuss the project's progress, status, and upcoming events and activities. The purpose of these meetings is to maintain clear communication between the **COUNTY** and the **CONSULTANT**'s team. The **CONSULTANT** will prepare and distribute meeting minutes within ten (10) days following each meeting.

The **CONSULTANT** will discuss the project's progress and issues with the **COUNTY** biweekly or more frequently if necessary, via telephone and/or email.

1.3 **Project Status Meetings**

The **CONSULTANT** will attend one (1) Pre-design Project Site Visit meeting with **COUNTY** staff to evaluate potential impacts to property based upon alignment alternatives.

2.0 **Public Involvement**

The purpose of the public involvement element is to get the community involved in the project development and decision making process so that the **COUNTY** can develop a project that not only meets the transportation needs of the area, but is also supported by the community it serves. Therefore, the **CONSULTANT** will conduct the following public involvement activities throughout the project.

2.2 **Public Involvement Meetings**

The **CONSULTANT** will prepare for two (2) public involvement meetings as described below. The Consultant shall prepare a Public Involvement Plan (PIP), and submit it to the **COUNTY**'s Project Manager for review and approval prior to commencing the public meeting process. The PIP shall delineate the Consultant's efforts to inform and involve the citizens of the County, the appropriate state and local agencies, and the responsible appointed and elected public officials in the project planning, review and approval process.

2.2.1 **Public Meeting No. 1**

The **CONSULTANT** will coordinate and conduct, with the **COUNTY**'s assistance, a public involvement meeting within eight (8) weeks of the issuance of the executed work order. The

purpose of this meeting is to inform the community of the **CONSULTANT**'s scope of work and the various alternative alignments under consideration and to provide the **CONSULTANT** with public input regarding each of the alternatives.

The meeting will include a formal presentation followed by a question and answer period. The **CONSULTANT** will have staff available to respond to questions from the public.

2.2.2 **Public Meeting No. 2**

Following completion of the alternative analysis activities and identification of a preferred improvement concept, the **CONSULTANT** will coordinate and conduct public meeting #2. The purpose of this meeting is to inform the public of the recommended alignment before presentation to the **BCC**. The **CONSULTANT** will present the recommended alignment to the public and respond to their questions and comments.

The **CONSULTANT** will conduct all meetings for the **COUNTY** and will ensure that an adequate number of personnel are present. The **CONSULTANT** will be responsible for all presentation and handout materials, and will provide minutes / summary of each meeting within two weeks. The **CONSULTANT** will prepare written responses to all questions not adequately addressed at the meetings and will provide follow-up information necessary to respond to the public's questions and comments.

2.3 **Board of County Commissioners Public Hearing**

The **CONSULTANT** will provide all support necessary for the **COUNTY** to conduct a Final Public Hearing on the recommended improvement concept. The **COUNTY** will present the project and the recommendations to the **BCC** for action, with assistance from the **CONSULTANT.**

2.4 **Coordination Meetings**

The **CONSULTANT** will coordinate and conduct meetings with local entities and state organizations, as necessary.

2.5 **Small Group Meetings**

The **CONSULTANT** will be available to conduct up to six (6) meetings with organizations interested in the **PES**. These meetings / presentations may be made to informal homeowners groups, formal homeowner associations or other organizations. The **CONSULTANT** will be responsible for all presentation and handout materials, and will provide minutes / summary of each meeting.

The **CONSULTANT** will prepare written responses to all questions not adequately addressed at the meetings and will provide follow-up information necessary to respond to the public's questions and comments.

2.6 **Mailing List**

The **CONSULTANT** will prepare a mailing list of interested parties which includes any person or institution expressing an interest in the project, potential permitting or review agencies, utility companies, elected and appointed officials in the area, community leaders, and media representatives. The list will also contain all homeowners / property owners located within 300 feet of any improvement concept.

The **CONSULTANT** will regularly update the mailing list during the course of the study. The **CONSULTANT** will give the **COUNTY** a copy of the mailing list used for each mailout.

2.7 **Newsletters**

The **CONSULTANT** will prepare and distribute four project newsletters. The newsletters will be mailed to notify the public of the meetings and the hearing. Another will be mailed to notify the public of the results of **BCC** hearing. Additional newsletters may be required by the **COUNTY**.

The newsletters will be printed in color on 8 1/2 " x 11" sheets. The **CONSULTANT** will send the newsletters to everyone on the mailing list, plus will print additional copies to be made available at the public meetings. The newsletters will be distributed as needed through the small group meetings, workshops and public meetings, and individual requests.

2.9 **Advertisements**

The **CONSULTANT** will prepare display advertisements to be posted in the Orlando Sentinel and the Seminole Herald prior to the two (2) Public Involvement meetings. The advertisements will be in black and white 6 7/16" by 7" (21 column inches).

All advertisements shall be approved by the COUNTY prior to any release or publication. There will be no exceptions to this requirement.

3.0 Data Collection

The **CONSULTANT** will collect all data necessary to develop and evaluate a reasonable range of alternative improvement concepts to meet the forecasted transportation demand of the Airport Boulevard Extension corridor, as described. The **CONSULTANT** is to use all available information gathered, including past reports and studies of the area by the **COUNTY** or other agencies.

3.1 Aerial Photography / Base Maps

The **CONSULTANT** will prepare 1" = 200 feet scale verified black and white aerial photography base maps. The **CONSULTANT** will prepare the aerial photography, suitable for public display with appropriate labeling. This photography will be used to present the overall project concept, master drainage plans, recommended alignment, right of way requirements and other appropriate information.

3.2 Existing Roadway Characteristics

The **CONSULTANT** will conduct field investigations to collect all pertinent existing roadway information necessary to develop, evaluate and compare the alternative improvement concepts. The roadway data will be compiled, documented and mapped on the aerial photography base maps for review by the **COUNTY** and for use at the public presentations.

3.3 Traffic Data

The **CONSULTANT** will collect the traffic data and develop the travel information listed below:

3.3.1 Traffic Counts

The **CONSULTANT** will collect a combination of 48-hour, 24-hour and classification traffic counts (at 15-minute increments) at the locations listed below.

- Randyard Road, at mid-block locations
- Kennel Road, at mid-block locations
- White Cedar Road, at mid-block locations
- Narcissus Avenue, at mid-block locations
- Iowa Avenue, at mid-block locations
- Church Street, at mid-block locations

The **CONSULTANT** will collect turning movement counts at the following intersections:

- SR 46 and Randyard Road
- SR 46 and Kennel Road
- SR 46 and White Cedar Road

The **CONSULTANT** will be prepared to collect turning movement counts at up to three (3) additional intersections based upon the results of the initial data collection efforts.

3.3.2 Traffic Factors

Using the data collected through the traffic count program described above, the **CONSULTANT** will develop current and future year values for the following traffic factors:

- Peak to Daily Ratio (K) Factor
- Directional Split (D) Factor
- Truck Factor (T)

The **CONSULTANT** will document how they determined these factors.

3.3.3 Travel Forecasts

Using the METROPLAN ORLANDO (MPO) approved travel forecasting model, the **CONSULTANT** will prepare opening year, interim year, and design year travel forecasts for the Airport Boulevard Extension **PES** segment for Build and No-Build conditions. The **CONSULTANT** will perform any model validations required and will document them.

The travel forecasts will be presented as average annual daily traffic (AADT), and directional design hour volumes (DDHV). For the purpose of this study the following horizon years will be assumed:

- Opening Year - 2008
- Interim Year - 2018
- Design Year - 2028

The **CONSULTANT** will also prepare peak hour turning movement forecasts for each major intersection.

The design traffic will be used to establish the basic design requirements for the roadway typical section and each intersection. Using the design traffic, the **CONSULTANT** will perform an operational analysis of each major intersection (for both the Build and No-Build concepts) to establish the minimum required lane geometry needed to adequately serve the projected turning movements.

3.3.4 Design Traffic Report

The **CONSULTANT** will document the traffic data, travel forecasting and analysis activities in an interim *Design Traffic Report* that will be submitted to the **COUNTY** for review and approval. The final *Design Traffic Report* will be completed prior to the **BCC** Hearing. Pertinent information from the *Design Traffic Report* will be included in the ***Airport Boulevard Extension Preliminary Engineering Report***.

3.4 Accident Data

The **CONSULTANT** will collect available accident data / information from local sources for the most recent three (3) years. The data collected will, at a minimum, include number and type, location, fatalities and injuries. The **CONSULTANT** will consider this data as they make their recommendations for improvements.

3.5 Roadside Safety

The **CONSULTANT** will evaluate roadside safety and make recommendations as to possible ways to improve safety.

3.6 Utilities

The **CONSULTANT** will identify any existing and proposed utilities which may influence location and design, including overhead transmission lines, microwave towers, underground water, sanitary sewer, force mains, power cables, etc.

The **CONSULTANT** will document this information in the Utility Section of the ***Airport Boulevard Extension Preliminary Engineering Report,*** which will summarize how the existing utilities will influence location and design considerations.

3.7 **Transportation Plans**

The **CONSULTANT** will review and document plans for all modes of transportation including automobile, transit, bikeways, trails, non-motorized vehicles, etc. The information received from these plans will be used to reaffirm the project need and to develop and evaluate the alternative improvement concepts.

3.8 **Soil Survey and Geotechnical Data**

The **CONSULTANT** will review existing soil maps and available geotechnical information for the study area.

The **CONSULTANT** will also perform one soil boring to a depth of 25 feet for each proposed stormwater management facility and will provide an estimated seasonal high water level for each facility. For this study, it is assumed that up to three (3) locations will be evaluated as potential stormwater management facility sites.

The results of the geotechnical data collection activities will be documented in the Geotechnical Section of the ***Airport Boulevard Extension Preliminary Engineering Report.*** This section will document existing data and boring results, and will contain preliminary recommendations relevant to the project.

3.9 **Contamination / Hazardous Material Sites**

The **CONSULTANT** will review available records to identify sites with documented or possible undocumented contamination. To supplement this recorded information, the **CONSULTANT** will perform a field review of the study area to identify non-reported sites which may potentially be contaminated with hazardous materials. The contamination data and analysis activities will be documented in the Contamination Section of the ***Airport Boulevard Extension Preliminary Engineering Report.***

3.10 **Right of Way Mapping**

The **CONSULTANT** will prepare a right of way identification map for the project at a 1" = 200 feet scale. The purpose of this map is to provide a tool for the **COUNTY** to track right of way ownership and needs prior to the development of Right-of-Way Maps during design. Among other things, the **COUNTY** will use this to discuss advanced acquisitions/donations with property owners and developers.

The maps will include section line ties, existing right of way, sub-divisions and property lines based on the last deed of record. The **CONSULTANT** will track on this map any right-of-way acquired through Development Agreements or other agreements.

3.10.1 Surveying Service

At a minimum, the **CONSULTANT** will survey Section 20, Township 21 South, Range 29 East, to determine the positions of the section and quarter section corners. The surveyor will provide the coordinates in both "hard copy" and electronic data formats. Field data will be kept in

standard field books and submitted to the **COUNTY** Project Manager upon completion of the final design phase unless requested before this time. Additional surveying details are included in the Design Scope of Services.

3.11 Land Use Plans

The **CONSULTANT** will collect all land use information (existing and future) necessary to develop and evaluate a reasonable range of alternative roadway improvements and to identify locations where right-of-way could potentially be dedicated for the roadway improvement. Information to be collected will include, at minimum, future land use plans, proposed development plans, zoning regulations, comprehensive plans, and preliminary and final plats. This information will be updated regularly throughout the study period.

The **CONSULTANT** will map pertinent information on the aerial photography base maps and the right of way identification maps for use throughout the course of the project.

3.12 Cultural Features

The **CONSULTANT** will collect information on cultural facilities like parks, schools and recreation areas, as well as the neighborhoods they serve, located within the vicinity of the Airport Boulevard Extension study segment. This information will be mapped and documented.

3.13 Archaeological and Historic Features

The **CONSULTANT** will identify recorded historical and archaeological sites within the study area. To supplement this recorded information, the **CONSULTANT** will perform a field review of the study area to identify non-reported sites which may potentially be eligible for historic designation. Utilizing this information, the **CONSULTANT** will map all sites that may influence the location and evaluation of alternative improvement concepts. This information will be documented in the Cultural Resource Section of the ***Airport Boulevard Extension Preliminary Engineering Report***.

3.14 Hydraulic and Natural Features

The **CONSULTANT** will review existing information to identify significant hydraulic and natural features found within the study area. The **CONSULTANT** will supplement documented information with field reviews of the study area. Information to be documented will, at a minimum, include the following:

* Wetlands
* Water Quality
* Floodplains and Floodways

The **CONSULTANT** will document, in report and map format, all information that may influence the location and evaluation of alternative improvement concepts.

3.14.1 Permit Information

The **CONSULTANT** will also collect project related permit information to determine whether environmental resource permits, dredge and fill permits, water quality permits, or stormwater discharge permits will be required. This activity will include identifying all relative permitting agencies, as well as all existing permits.

3.14.2 Preliminary Drainage Analysis

The **CONSULTANT** will identify existing drainage deficiencies within the project corridor and vicinity (including drainage outfalls) and will recommend solutions to be incorporated with the project. This includes reviewing existing drainage studies and reports.

3.15 Threatened and Endangered Species

The **CONSULTANT** will review existing information to determine the potential presence of threatened or endangered plant and animal species within the study area. The **CONSULTANT** will supplement documented information with field reviews of the study area. The **CONSULTANT** will document in report and map format in the ***Airport Boulevard Extension Preliminary Engineering Report*** all information that may influence the location and evaluation of alternative improvement concepts.

3.16 Corridor Analysis / Project Needs

Following completion of the data collection and evaluation activities, the **CONSULTANT** will analyze the corridor study area. This analysis will determine if the existing Airport Boulevard Extension corridor is the most appropriate corridor within which alternative improvement concepts should be developed and evaluated.

The Corridor Analysis activities will, at a minimum, reconfirm the improvement need, address the existing and projected travel demand within the corridor, the current and projected development patterns within the corridor, and the presence of any environmentally sensitive features within the corridor.

The Corridor Analysis will be documented in the Corridor Analysis Section of the ***Airport Boulevard Extension Preliminary Engineering Report.***

4.0 Development and Analysis of Improvement Alternatives

The **CONSULTANT** will perform the following tasks to develop, analyze and compare alternative improvement concepts within the Airport Boulevard Extension corridor.

4.1 Alternative Typical Sections

Based on the Draft Design Traffic Report, the **CONSULTANT** will develop three (3) appropriate alternative typical sections for evaluation. The **CONSULTANT** will then evaluate these typical sections using criteria that will include but not be limited to access management standards, right of way requirements, traffic volumes, and bicycle and pedestrian features. The analysis will be documented in the ***Airport Boulevard Extension Preliminary Engineering Report*** and submitted to the **COUNTY** with a recommendation of a preferred typical section.

4.2 Access Management Determination

The **CONSULTANT** will evaluate the effects of different access management classifications for Airport Boulevard Extension and will recommend an appropriate access management classification for the road. This includes recommending minimum median opening and directional median spacing and locations. In addition, the **CONSULTANT** shall also recommend appropriate geometric design at intersections and median openings, including median noses and curb returns, to accommodate U-turn maneuvers.

The **CONSULTANT** will document the evaluation and recommendation of the alternative access management classifications in the ***Airport Boulevard Extension Preliminary Engineering Report.***

4.3 Alternative Improvement Concepts

4.3.1 **Develop Alternative Alignment Improvement Concepts**

The **CONSULTANT** will develop a minimum of three (3) Alternative Alignment Improvement Concepts for each of the typical sections under evaluation.

The proposed right of way requirements will be printed on each Alternative Alignment Improvement Concept display. The approximate square footage of each parcel affected by the alternative will be printed on the aerial within the parcel.

4.3.2 Analyze Alternative Improvement Concepts

The **CONSULTANT** will analyze the benefits and impacts associated with each Concept as well as the No-Build Concept. The analyses to be performed for each Concept, including engineering and environmental assessment, are described below:

- **Cost Analysis** - The **CONSULTANT** will develop engineering design, right of way and construction cost estimates for each alternative. Right of way cost estimates will include combined values for right of way administration, land cost and damages. The **CONSULTANT** should coordinate with the **COUNTY**'s Legal Department in developing the right of way costs.

- **Conceptual Drainage Analysis** - The **CONSULTANT** will perform a preliminary drainage analysis of each alternative to determine the potential outfall locations and preliminary sizes (volume and area) of required stormwater management facilities. A minimum of two locations will be recommended for each site.

- **Community Impact Analysis** - The **CONSULTANT** will estimate the number of residences, businesses, neighborhoods, and community facilities impacted by each alternative. The right-of-way cost estimate will reflect the cost of these impacts while this measure will reflect the number of each impacted.

- **Visual / Aesthetics** – If requested by the **COUNTY**, the **CONSULTANT** will prepare concept renderings at various locations for each alternative improvement concept. These renderings will be used to convey the future appearance (i.e. visual and aesthetics) of each alternative improvement concept to the public at the various meetings.

- **Wetland Impacts** - The **CONSULTANT** will estimate the acres of wetlands impacted by each alternative.

- **Flood Plain Impacts** - The **CONSULTANT** will estimate the extent of flood plain encroachment of each alternative.

- **T&E Species Impacts** - The **CONSULTANT** will quantify / qualify potential impacts to threatened and endangered species habitat associated with each alternative.

- **Archaeological and Historic Feature Impacts** - The **CONSULTANT** will estimate the number and extent of impacts caused to archaeologically significant or historical structures.

- **Contaminated Sites Impacted** - The **CONSULTANT** will estimate the number and extent of impacts to contaminated sites, and shall recommend whether a Phase II Environmental Site Assessment should be completed.

- **Geotechnical Analysis** – The **CONSULTANT** will evaluate the suitability of the soil underlying each alternative.

4.3.3 **Evaluation Matrix**

The **CONSULTANT** will prepare an evaluation matrix to document and compare each alternative. This matrix will be used to clearly identify the most viable improvement concept. It will be prepared in a manner suitable for presentation to the public. A draft matrix shall be submitted to the **COUNTY's** Project Manager for review at least fifteen (15) days prior the first public involvement meeting. The **COUNTY's** review comments shall be incorporated into the matrix prior the first public involvement meeting.

The **CONSULTANT** will provide a draft Evaluation Matrix prior to the second Public Meeting with the recommended alternative labeled. The final Evaluation Matrix will be ready for inclusion in the **BCC** Public Hearing agenda package.

4.4 Select Preferred Alternative

Following completion of the alternative analysis and the first public involvement meeting, the **CONSULTANT**, in association with the **COUNTY** Project Team, will select a preferred improvement alternative to be evaluated at a more detailed level.

5.0 Preferred Improvement Concept

The **CONSULTANT** will refine the preferred improvement concept to finalize the major elements of the project. These refinements will include estimating the right of way limits, pond locations, social impact estimates, cost and other major features needed to advance the project to the design phase.

5.1 Airport Boulevard Extension Preliminary Engineering Report

The ***Airport Boulevard Extension Preliminary Engineering Report*** will clearly explain why the Project Team made the decisions they did. It will document all public involvement activities, alternatives development and analysis efforts, all activities leading to and including the final recommendations.

The **CONSULTANT** will submit the draft ***Airport Boulevard Extension Preliminary Engineering Report*** shortly after the second Public Involvement meeting. The revised draft will be submitted prior to the **BCC** Public Hearing.

The **CONSULTANT** will finalize the document following the **BCC** Public Hearing by incorporating the final public input received and the **BCC**'s final action on the recommendation.

6.0 Deliverables

The number and format of the deliverables requested are as follows:

Alternative Improvement Concepts (Mounted Aerials) 2
Recommended Improvement Concepts (Mounted Aerials) 2

Draft Design Traffic Report 2
Design Traffic Report 2
Geotechnical Report 2

Items for BCC Agenda Package

- Evaluation Matrix 15
- Recommended Typical Section 15
- Project Location Map 15

Airport Boulevard Extension Preliminary Engineering Report

- Draft 2
- Revised Draft 2
- Final Report 5

Right-of-Way Identification Map 2

—— **End of Phase I Scope** ——

Exhibit B

Airport Boulevard Extension

State Road 46 to County Road 15

Scope of Services

Phase II: Final Design & Environmental Permitting

A. PURPOSE AND INTENT

Seminole County (**COUNTY**) wishes to select a Professional Engineering Firm (**CONSULTANT**) to provide professional engineering design services in connection with the Airport Boulevard Extension, approximately 1.7 miles, consistent with the current County approved ***"Airport Boulevard Extension Preliminary Engineering Study"***.

The purpose of this document to inform prospective **CONSULTANTS** that the **COUNTY** intends to design and construct improvements to Airport Boulevard Extension. This document defines the scope of work and the responsibilities of the **CONSULTANT** and it provides a non-exclusive summary of technical requirements and necessary professional services. Our purpose is to achieve a quality design from competent professionals providing construction and right-of-way acquisition documents.

B. PROJECT DESCRIPTION

The project is located in Sanford, Florida and unincorporated portions of Seminole County. The project involves the analysis of the transportation corridor and related infrastructure improvements to portions of existing roads or a potentially newly defined roadway corridor to extend Airport Boulevard north of SR 46 to CR 15, also known as Upsala and/or Monroe Road. Airport Boulevard south of SR 46 will be realigned to connect to the existing alignment of Bevier Road. The extension to the newly aligned Airport Boulevard will commence north of SR 46 in the approximate location of Randyard Road.

C. SCOPE OF WORK REQUIREMENTS

The **CONSULTANT** will provide all necessary professional services for the preparation of construction plans, technical specifications, special provisions, right-of-way documents and mapping, agency permits, bid documents, and related professional services to design Airport Boulevard Extension between State Road 46 to County Road 15, as further described within the current County approved ***"Airport Boulevard Extension Preliminary Engineering Study"***.

Final design plans will be prepared consistent with **COUNTY** requirements. The **CONSULTANT** will prepare all documents necessary to successfully permit the project through regulatory agencies, provide right-of-way documents for right-of-way acquisition, and to publicly bid and construct the project according to the design and permits. The final construction design developed by the **CONSULTANT** shall be the best solution to a given problem and not merely an adherence to the minimum FDOT, AASHTO or County standards.

The **CONSULTANT** will submit a **man-hour and lump-sum fee proposal** for the required services, including **SUBCONSULTANT** services and direct expenses. With this proposal, the **CONSULTANT** will provide a Project Schedule, as described in Section 1.2 of Appendix B-1.

The professional services for the design services included within this Scope of Services can be generally grouped into the following seven (7) primary categories:

1. **Administration**
2. **Surveys / Right-of-Way Documents**
3. **Final Design & Specifications**
4. **Environmental & Regulatory Permitting**
5. **Utility Coordination and Relocation**
6. **Local Government, FDOT, & Other Agency Coordination**
7. **Deliverables / Phase Submission Documents**

Please refer to the **Appendix B-1** for a description of each task within these seven (7) elements. These descriptions provide a non-exclusive summary of the specific tasks within this Scope of Services and are the minimum criteria for project performance and execution.

D. GENERAL PROJECT REQUIREMENTS

1.0 Project Invoicing

When invoicing, the **CONSULTANT** is to submit an invoicing distribution consistent with the seven (7) primary categories of the Scope of Services. Direct expenses shall be separately listed.

Each month's invoice is to indicate the following minimum data:

- Invoice Number
- Contract amount
- Percent (%) complete for each category (to date)
- Previous percent (%) complete for each category
- An overall project percent (%) complete (to date)
- An overall earned amount (to date)
- Total retainage to date
- The previous invoice amount (incl. retainage)
- Amount earned this invoice
- Less retainage (current invoice)
- Amount due this invoice

2.0 Consultant Personnel

The **CONSULTANT**'s work is to be performed by the key personnel at the office location identified in the technical/fee proposal submitted by the **CONSULTANT**. Prior to any changes in the indicated personnel or the **CONSULTANT**'s office-in-charge of the work, as identified in the **CONSULTANT**'s Proposal, these changes will be reviewed and approved by the **COUNTY**.

3.0 Project Related Correspondence

The **CONSULTANT** will furnish copies of all correspondence, telephone memorandums, Fax's, maps, exhibits, etc. between the **CONSULTANT** and any party regarding this project. This information is to be forwarded to the **COUNTY**'s Project Manager within one (1) week of the contact with these parties.

The **CONSULTANT** is responsible for recording and distributing the minutes of all meetings, presentations, etc. pertaining to this project.

4.0 Professional Endorsement

The **CONSULTANT** will provide the **COUNTY** with a final copy of all design documents with his/her professional endorsement (seal/signature as appropriate) on every sheet of the record print sets, computations, maps, exhibits and any other professional work shown on the endorsed sheets produced by the

CONSULTANT. The original set of plans shall have the title block placed on each sheet, and the raised seal and original signature shall be placed on the Key Map.

5.0 Supplemental Services

Fees and associated time for completion of additional work that is determined by the **COUNTY** to be extraordinary to the accomplishment or requirements of the original work contemplated in the scope of services may be negotiated as an extension of the man-hour and fee proposal within the approved design services Agreement utilizing man-hour unit price basis from the current fee proposal for similar work. Supplemental work for tasks not contemplated in the Scope of Services can be negotiated as a formal amendment to the original design services Agreement. The executed work order will authorize the additional work to begin.

6.0 Legal Proceedings

The **CONSULTANT** will serve as an expert witness in legal proceedings, if requested by the **COUNTY**. The fee for these services will be established if and when these services are requested.

7.0 County Responsibility

The **COUNTY** shall provide the following:

- Project Manager who will provide administrative and technical coordination for the **COUNTY**
- Relevant design correspondence on file
- Assistance with the application process for environmental permits

8.0 Subcontractor Services

The variety of the professional services required to successfully design the project makes it desirable, if not necessary, for the **CONSULTANT** to subcontract portions of the work (e.g., aerial photography). The **CONSULTANT** is authorized to subcontract these services under the provisions of this document. However, a minimum of 50% of the total contract man-hours specified for work described in the Scope of Services must be performed by the prime **CONSULTANT**. The subcontracting firms must be approved by the **COUNTY** prior to initiation of their work on this project.

Coordination of **SUBCONSULTANT** services is the responsibility of the **CONSULTANT**. The **CONSULTANT** shall be fully responsible for the satisfactory performance of all subcontracted work. All work shall be reviewed by the **CONSULTANT** prior to delivery to the **COUNTY**.

APPENDIX B-1
Expanded Scope of Services - Phase II

1.0 Administration

1.1 Project Initiation/Notice to Proceed

The **CONSULTANT** will prepare for and attend a Kick-off Meeting with the **COUNTY**'s Project Manager, staff and others as determined by the **COUNTY**. At this meeting, the **COUNTY** and key members of the **CONSULTANT**'s team will set the final parameters for the project.

The executed work order will serve as the Notice to Proceed.

1.2 Project Schedule

As part of the man-hour and lump-sum fee proposal, the **CONSULTANT** will provide a Project Schedule, identifying the timetable for execution and completion of all elements of the Scope of Work. The schedule will identify major tasks, duration and task relationships. Submittal will be in 11"x17" paper format and in electronic format in a form compatible with ***MS Project***. The schedule will indicate both projected and actual completions dates. The **CONSULTANT** will send the **COUNTY**'s Project Manager an e-mail update of the ***MS Project*** compatible schedule monthly with a MS Word (doc format) and HTML version for general use.

1.3 Project Status Meetings

The appropriate members of the **CONSULTANT**'s team will attend periodic meetings [up to four (4)] with the **COUNTY**'s Project Manager and staff to discuss the project's progress, status and other activities. The purpose of these meetings is to maintain clear communication between the **COUNTY** and the **CONSULTANT**'s team. The **CONSULTANT** will prepare minutes from these meetings, and distribute these minutes within ten (10) days following each meeting.

The **CONSULTANT** will discuss the project's progress and issues with the **COUNTY** biweekly or more frequently if necessary, via telephone and/or email.

1.4 Stakeholder Meetings

The **CONSULTANT** will be required to meet with various project stakeholders to discuss the project and receive input. The **CONSULTANT** should plan to attend at least four (4) such meetings. The **CONSULTANT** may be called upon to provide maps, plans sheets, audio-visual displays and similar material for these meetings.

1.5 Right-of-Way Impact Review

The **CONSULTANT** is to work through the **COUNTY**'s Project Manager with the **COUNTY's** legal staff to review and evaluate the impact of the design on adjacent properties. The **CONSULTANT** will attend two (2) value review meetings with the **COUNTY** Project Manager and legal staff prior to the 60% plan submittal.

2.0 Surveys/Right-of-Way Documents

2.1 Right-of-Way Documents

The **CONSULTANT** is to provide the **COUNTY** with Right-of-Way Documents for the project. These documents shall meet or exceed the following requirements:

2.1.1 Comply with the Technical Standards for Land Surveyors and Mappers in accordance with Chapter 61G17-6, Florida Administrative Code, pursuant to Chapter 472, Florida Statutes.

2.1.2 Meet the standards of the latest revisions of the Florida Department of Transportation *Location Survey Manual, Right-of-Way Surveying and Mapping Manual,* unless in conflict with **COUNTY** requirements.

2.1.3 The **CONSULTANT** will provide the **COUNTY** with a letter of permission allowing the **COUNTY** to revise the legal descriptions and maps as necessary.

2.1.4 The man-hour and lump-sum fee proposal should reflect the number of parcels impacted by the recommended and approved alignment as indicated in the ***Preliminary Engineering Study.***

2.1.5 Title searches will be to the earliest public record. Two (2) sets are required and will be submitted with the 90% Right of Way plan submittal in the manner as described within these specifications.

2.1.6 Final submittal, once approved, will, in addition to blueline and mylars, be submitted in the following formats:

a. Control & Right-of-Way Surveys will be in Land Development Desktop (2004).
b. Legal descriptions in Microsoft Word on CD.
c. A numbered Point-Plot drawing of all parcels and control points will be prepared and submitted in Land Development Desktop (2004).
d. Sketches of Description to be provided in Land Development Desktop (2004).

2.1.7 The Right-of-Way Map and sketch of description submittals of 60%, 90% and 100% will coincide with roadway plan submittals, except for the parcels for water retention areas. Detailed Maps are to be drawn at 1" = 20' scale. Variations of this scale may be acceptable provided all required information is shown in a "legible" format; however, approval from the **COUNTY**'s Project Manager and Quality Assurance Surveyor is required prior to preparation of any non-standard scale map.

a. Sketches of description for water retention areas will be submitted in draft form as soon as possible. Approved final sketches of description for water retention areas will be submitted with the 60% roadway plan submittal.

2.2 Control Surveys

The **CONSULTANT** is to provide the **COUNTY** with Control Surveys for the project. These documents shall meet or exceed the following requirements:

2.2.1 The Control Survey will be contained within the right-of-way map in place of the key map. The title block will note Control Survey and the Right-of-Way map cover sheet will note **Right-of-Way Map & Control Survey**. The map will be drawn at a scale of not greater than 1 inch = 200 feet, and will be legible. The Control Survey will meet the Minimum Technical Standards as required in Chapter 616G17-6.005 (4)(A) and contain the following certification on the first sheet of the Control Survey.

"I hereby certify that to the best of my knowledge and belief this drawing, consisting of sheets_____thru_____ is a true, accurate and complete depiction of a field survey performed under my direction and completed on_____. I further certify that said drawing is in compliance with the Florida Minimum Technical Standards for Control Surveys as set forth in Chapter 61G17-6 by the Florida Board of Professional Surveyors and Mappers, pursuant to section 472.027, Florida Statutes."

2.2.2 The Control Survey will be required to be tied to the **COUNTY**'s Horizontal Control Network. Network data will be provided by the **COUNTY**. All P.C.P.'s and fractional corners will have State Plane Coordinate Values calculated for them and shown on the Control Survey Point Reference sheet in a tabular form. Vertical control will be based on, tied into the **COUNTY**'s Vertical Control Points, and noted on the map.

2.2.3 The baseline of survey, as shown on the Control Survey, shall physically exist in the field and have referenced P.C.P.'s at all P.I.s, P.C.s, P.T.s, the beginning and end of the project, and at all side street centerline intersections.

2.2.4 The control survey will show all control references both horizontal and vertical.

2.2.5 The following surveyor's note shall be contained on the Control Survey:

"This survey was performed for the purpose of establishing a baseline, locating existing monumentation and placing additional monuments where required. Said data is to be used in the preparation of Rights-of-Way maps."

2.3 <u>Right-of-Way Surveys</u>

2.3.1 The survey notes, sketches of descriptions, legal descriptions and maps may become evidence in court and will represent a legal and official map of the corridor and adjoining properties. Consequently, all work and information shall be correct, accurate, supported by field evidence, and shown on the map. The right-of-way survey will contain the following certification:

"I hereby certify this specific purpose survey, consisting of sheets ___ through ___ was completed for the specific purpose of surveying, referencing, describing and mapping the right-of-way corridor and adjoining properties for the transportation facility shown and depicted hereon, that said survey was done under my responsible charge and meets the Minimum Technical Standards for Land Surveyors and Mappers as set forth within Chapter 61G17-6, Florida Administrative Code, Florida Statutes."

2.3.3 Field notes and computer printouts will be submitted at the 60% submittal. All field traverse, bench loop runs and sketches depicting stations with point block numbers for data collected information will be kept in bound field book provided by the **CONSULTANT.** These books become the property of Seminole County. Computer printouts of raw and processed electronically collected field data will be bound and have an index that correlates the material to the field book sketch by field book and page. All field books will be certified by the surveyor of record. Additional field notes and computer printout information will be submitted as completed or in the next submittal.

2.3.4 All sections through which the corridor or proposed corridor passes will be surveyed in their entirety. All section and 1/4 section corners will be recovered or set and referenced in accordance with the latest addition of the B.L.M. *Manual of Instructions for the Survey of the Public Lands of the United States*. All certified corner records used or new records to be submitted to D.N.R. will be submitted at 60% for review by the **COUNTY**. All references are to be placed outside the limits of construction.

2.3.5 Subdivision Blocks adjoining the right-of-way corridor will be mathematically closed and supported by field measurements; found corners to be noted on the Map. All Block corners will be recovered or set in the field and noted on the Map. A Surveyor's Report will be prepared for areas

where it is not readily apparent by reviewing the Map as to what corners were held to construct a particular block or tier of blocks.

2.3.6 A Surveyor's Report will be required on parcels that present unusual problems (conflicting corners, deed overlaps, hiatus, etc.). This report will include, but not be limited to, sketches, detailed title chronology, plats, tax maps and the surveyor's opinion detailing how the problem was resolved.

2.3.7 All underground storage tanks, septic tanks, drainfields and wells must be field located if inside the proposed right-of-way limits or within the limits of construction, and shown in detail with station/offset location on the right-of-way map as well as the construction plans. All above ground improvements must be located within 25' of the proposed right-of-way or limits of construction by station/offset.

2.4 Sketches of Description

2.4.1 All sketches of description, control survey maps, and right-of-way maps must match verbatim.

2.4.2 All descriptions must be supported by a calculation sheet showing the parcel, closure and area.

2.4.3 Legal descriptions will be submitted with the ninety (90%) percent roadway submittal. Each parcel will have an 8-1/2"x11" file prepared for it. Contained in this file will be the sketch of description(s) for the parcel take, Temporary Construction Easements, Permanent Drainage Easements, title work for that parcel and for any parcels that may have been lessed out of a larger tract, calculation sheets, the Surveyor's Report (if any) and any other pertinent data concerning the subject parcel. All these files will be marked with the parcel(s) numbers and placed in a cardboard banker's box for submittal.

2.4.4 Four (4) signed and sealed copies of each sketch of description will be provided by the **CONSULTANT**. With the exception of sketches of description for water retention areas which are to be submitted in final form (three (3) signed and sealed copies) with the 60% roadway submission, one (1) signed and sealed copy will be provided at the 90% submission and three (3) will be provided with the final submission. Electronic format in Land Development Desktop (2004) will be submitted with the final submission.

2.4.5 Individual sketches of description will be required for all parcels. Whenever possible the most preferred legal description format will be in aliquot parts for sectional descriptions and portions of lot and block for platted areas. Strip descriptions are not acceptable. Metes and bounds descriptions will utilize the requirements as set forth in (b) and (c) below. All sketches of description will follow the format of (a), (d), (e), (f), (g) and (h) below.

a. At the top of the page include:

1. Roadway name
2. R/W parcel number
3. Designation for fee simple or temporary construction easement or permanent drainage easement

b. The preamble for a metes and bounds description shall contain in quotation marks the parent tract description verbatim. It will also include the parent tract recording information and the ¼ section, section, township and range of the parcel. It will identify by recording information or document any portion of lessed out parcels from the parent tract description. In the case of

very lengthy parent tract descriptions the format of: That portion of that certain parcel of land as recorded in "....." may be acceptable.

c. Being more particularly described as follows: This portion of the description should contain calls to superior lines as called for in the parent tract description or as needed (i.e., to the west right-of-way line, to the south line of north ½, to the lot line, to the line described in O.R.B./Page).

d. Containing "X" amount of square feet if ½ acre or less, acreage if over ½ acre.

e. "Subject to" only those easements that affect the take, include type and recording information.

f. Note legal description is not a survey.

g. Date and surveyor's certifications.

h. Point of Commencement will be from the closest identifiable corner (Section corner, Subdivision corner, Block corner, Lot corner).

2.5 Design Surveys

The **CONSULTANT** shall furnish complete field verified design surveys. The surveys shall include aerial targeting as necessary, wetlands vegetation lines, topography, right-of-way, 50' interval cross sections for plotting purposes, cross sections at driveways with anticipated connection slopes approaching maximum design criteria, physical location of utilities, drainage and base line control, along with surveys necessary for side road connections or upgrading. Should additional field surveys be required to successfully design, permit and construct this project, the **CONSULTANT** is to obtain this information as a fundamental requirement of this scope of services.

The work shall be performed in accordance with the latest edition of F.D.O.T.'s Location Manual, Policy No. 760.001-760.012 and the Minimum Technical Standards for Land Surveying in the State of Florida set forth by the Board of Land Surveyors, Chapter 61G17-6, F.A.C., pursuant to Chapter 472, Florida Statutes. The **CONSULTANT** will bill for a three man crew unless they receive prior **COUNTY** Surveyor approval. Variations in survey methodologies, etc., as required by F.D.O.T., will be permitted if approved by the **COUNTY** Surveyor prior to submittal of man-hour and lump-sum fee proposals. Coordination with the **COUNTY** Surveyor is required prior to beginning this work effort.

3.0 Final Design & Specifications

3.1 Assembly and Evaluation of Data

The **CONSULTANT** is to collect and evaluate all available and appropriate data for the successful final design of this project. Specifically, and non-inclusively, the **CONSULTANT** will address the following:

3.1.1 Assembly of Data

The **CONSULTANT** is to collect and review all available information such as records, maps, surveys, plans, soil investigation reports, utility service system availability data, zoning classifications, building codes and standards, requirements of all agencies having jurisdiction over the project, and any other information which may have a bearing or impact to the planning, design, approval, permitting, construction and/or operation of this project. The **CONSULTANT** is to review all appropriate **COUNTY** information on this project.

3.1.2 Regulatory Agencies

The **CONSULTANT** is to coordinate all necessary and required activities with regulatory agencies throughout the entire design and permitting phases of the project.

3.1.3 Field Reviews and Surveys

The **CONSULTANT** is to field review data, including surveys, for consistency with actual field conditions. Further, the **CONSULTANT** is to provide onsite inspections of every parcel of land affected by the project to determine extent of roadway construction impact for integration into the overall design of the project.

The **CONSULTANT** is to evaluate right-of-way and topographic surveys for consistency with design, right-of-way definition and acquisition, and construction requirements of the project, as well as adherence to appropriate standards of professional practice.

3.1.4 Aerial Photography

Controlled aerial photography for high quality reproducible plan sheets will be furnished by the **CONSULTANT** in accordance with F.D.O.T. quality standards subject to **COUNTY** approval. The scale for the drainage maps will be 1"=200'.

3.1.5 Traffic Study

The Phase I – Preliminary Engineering Study (**P.E.S.**) for this project provided the traffic study data that is the basis of the typical section and other design elements of this project. The **CONSULTANT** is to evaluate this information for application in the final design, and to provide for the project's traffic design accordingly. If the **COUNTY** and **CONSULTANT** mutually agree that additional traffic information is warranted, either because of field changes, time or other elements affecting the accuracy of this data, the **CONSULTANT** will provide this data.

3.1.6 Hazardous Waste / Environmental Assessments

The **P.E.S.** may have found evidence indicating the presence or the potential for hazardous waste to be within the project area. If a Phase II assessment is necessary, the COUNTY will negotiate a supplement to the man-hour and fee proposal with unit prices to prepare the additionally required documentation.

3.1.7 Archeological Investigation(s)

The **P.E.S** may have uncovered information indicating the presence of archeological evidence of concern to the **COUNTY**. If this is the case or if during the design and permitting of this project an archeological presence becomes an issue, the **CONSULTANT** is to work with appropriate **COUNTY** personnel (and others if necessary) to address this issue. Further, the **CONSULTANT** is to determine the affect of this presence on the progress of the project and advise the **COUNTY** appropriately.

3.1.8 Soils Survey / Geotechnical Investigations

The **CONSULTANT** is to provide the necessary soil survey and analysis for the project design. The results of the soils survey will be analyzed, posted and summarized appropriately on the cross-sections and applicable plan sheets consistent with F.D.O.T. requirements. This analysis will include design recommendations for roadway fill, structure foundation, alternate culvert materials and other design and construction elements.

Further, the soils investigations will include all required soil parameters necessary to design and construct the roadways, drainage systems, including surface water management systems, utility installations, bridges, culverts, etc.

3.1.9 Preliminary Drainage

The **CONSULTANT** is to evaluate the project's overall drainage situation. The concern is to identify at the earliest possible stage the need to address large-scale drainage issues and/or issues of

significance to the project. The **CONSULTANT** is to review these matters with the **COUNTY** early in the progress of the final design.

3.1.10 Environmental Issues

The **CONSULTANT** is to evaluate the project's overall impact to the environment, specifically addressing elements requiring agency permitting and right-of-way acquisitions. The purpose is to identify at the earliest possible stage the need to address the critical path(s) of design elements related to these issues. The **CONSULTANT** is to review these matters with the **COUNTY** early in the progress of the final design.

3.2 Drainage Design

3.2.1 Drainage: Mapping & Design

The **CONSULTANT** is to provide for the drainage basin/sub-basin mapping and design sufficient to meet **COUNTY,** State and Federal standards, as well as State and Federal regulatory agency permit requirements.

3.2.1.1 The project must meet the following minimum requirements:

a. Seminole **COUNTY**'s Land Development Code, including Appendix B;
b. St. Johns River Water Management District rules and regulations;
c. Other State and Federal rules and regulations.

3.2.1.2 Before or at the 60% submission, the **CONSULTANT** is to obtain **COUNTY** approval for the conceptual layout and design for all stormwater management facilities (**SWMF**). The **CONSULTANT** is to submit the following minimum information at this time:

a. Large-scale mapping of all drainage elements affecting the design of the project, including basin and sub-basin delineations on a scaleable, readable, contoured map;
b. Definable locations of the **SWMF** on a scaleable graphic including parcel identification information;
c. Brief narrative on availability of land, zoning, current use, future use (Comp. Plan), environmental issues, if any, estimated construction costs, and other relevant data to adequately review and evaluate the proposed **SWMF** location.

3.3 Construction Plan Preparation

Roadway and Utility design will be based on the best interest of the public and benefits to the health, safety and welfare of the citizens of Seminole County.

The **CONSULTANT** is to provide all necessary and required construction plans for the successful design and construction of the project. Each contract plans package and its component parts will be prepared in accordance with **COUNTY** and/or F.D.O.T. standards, policies, procedures, memorandums and directives. Design work will comply with the ***Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways,*** latest non-metric edition, ***Seminole County Consultants Informational Guidelines for Projects,*** and F.D.O.T.'s standards with deference to **COUNTY** policy, procedures and specifications. Exceptions to these standards may be permitted, but must be pre-approved by the **COUNTY** prior to submittal of man-hour and technical proposals.

Each contract plans package shall be accurate, legible, complete in design, suitable for public bidding purposes and drawn to scales acceptable to the **COUNTY** and in a format acceptable to the **COUNTY**. For recommendations concerning the plans preparation the **CONSULTANT** should refer to the latest non-metric editions of the F.D.O.T.'s ***Roadway Plans Preparation Manual, Volumes I & II, Standard***

Specifications for Road and Bridge Construction, Roadway and Traffic Design Standards, Right-of-Way Engineering Manual and other applicable manuals as determined by the **COUNTY**'s Project Manager. Usage of CADD or F.D.O.T. CADD criteria in general is not mandatory. It is the **CONSULTANT**'s responsibility to acquire and utilize the necessary F.D.O.T. manuals that are required to complete the project design.

The project must meet the following minimum plans and documentation requirements:

a. **Plan sets**:
   1. Cover / Key Sheet
   2. Summary of Pay Items
   3. Drainage Maps (1"=200' maximum scale, with contours)
   4. Typical Sections
   5. Summary of Quantities
   6. Box Culvert Data Sheet
   7. Summary of Drainage Structures (Includes invert elevations)
   8. Project Layout
   9. Roadway Plan & Profiles (1"=20' maximum scale)
   10. Special Profiles
   11. Back of Sidewalk Profiles
   12. Driveway Profiles
   13. Intersection Layouts (1"=10' maximum scale)
   14. Stormwater Management Facilities (Plan views, Sections, etc.)
   15. Drainage Detail Sheets
   16. Lateral Ditch Plan & Profiles (scale varies)
   17. Lateral Ditch Cross Sections (scale varies, prefer 1"=2' by 1"=5')
   18. Erosion Control Sheets (NPDES Sheet)
   19. Soils Survey Data Sheets
   20. Cross Sections
   21. Signing and Pavement Marking Plans
   22. Signalization Plans
   23. Roadway Cross Sections Sheets (scale 1"=2'or 5' by 1"=10', 20' 40', 50')
   24. Traffic Control Data Sheet
   25. Utility Adjustment Sheets

b. **Drawing Log**
   A drawing log will be maintained as a status record of all drawings prepared. An entry for each sheet will be listed with the date and details for each plan revision made. Corresponding information will be provided in the margin of each drawing revised. An updated drawing log will be submitted with each plan submission prepared in response to COUNTY review comments and plan change requests. Additional notations in the revision box may be made once the final submission is delivered.

c. **Design Documentation Report**:
   Technical criteria, strategic decisions, project influences and processes employed in the execution of project design and plans preparation are to be memorialized in a bound document submitted to the **COUNTY**. The purpose is to provide a chronicle of the strategies, decision and events that lead to the preparation of the final construction documents. At a minimum, the **CONSULTANT** is to provide the following documentation:

   1. Design criteria (highway, pavement, traffic, structural, drainage, etc.)
   2. Horizontal geometry

3. Vertical geometry
4. Capacity analysis
5. Drainage computations
6. Environmental elements and permitting
7. Bridge computations (if applicable)
8. Structural analysis / design computations
9. Quantity computations
10. Computerized information (provide in a format compatible with **COUNTY**)
11. Review comments and responses
12. Agency coordination
13. Utility coordination
14. Meetings, telephone conversations, correspondence

3.4 Structural Plans Preparation

The **CONSULTANT** is to provide all necessary and required structural design and plans preparation either as a direct element of the design or incidental to the design. These plans will be prepared consistent with FDOT's ***Roadway Plans Preparation Manual, Volumes I & II.*** (current English version), and FDOT's Structures Design Office's ***Standard Drawings***. If required by the **COUNTY,** the graphical representation of these plans may need modification to provide clarity and presentation acceptable to the **COUNTY**. All structural design is to be professionally endorsed by professional regularly practicing within the field of structural engineering.

3.5 Intersections, Project Termini Design & Driveways

The **CONSULTANT** is to provide all necessary design and special detailing required to adequately detail improvements to intersections, terminus points and driveways within the project area.

3.6 Special Design Considerations (Optional)

The **CONSULTANT** may be responsible for the preparation and design of utility location mapping and/or relocation construction plans for Seminole County utilities or other utilities affected by the roadway design plans.

3.7 Signing and Pavement Marking Plans

The **CONSULTANT** is responsible for the preparation and design of a complete set of signing and pavement marking plans in compliance with the latest (non metric) F.D.O.T. Standards, the ***M.U.T.C.D.***, and the ***"Sign/Marking Standards for Older Road Users Program Compliance"*** for the project. These plans will be included as a component part of the contract plans set and shall include all necessary side street signing and striping necessary for the safe and effective operation of vehicles and pedestrians on or crossing the roadway.

Phase submittals for engineering review will be in accordance with the requirements for construction plans and submitted at 60%, 90% and 100% completion stages.

3.8 Traffic Signal Plans

The **CONSULTANT** is responsible for the preparation and design of a complete set of traffic signal plans for the roadway. These plans will include complete signalization package for mast-arms design and permanent count stations (where needed). The plans will include conduit and cable for signal interconnect and fiber-optic communication. The design will be in accordance with the latest (non-metric) F.D.O.T. and **COUNTY** Standards and Specifications. All equipment specified in plans will be fully compatible with Seminole County's Computerized Signal System. The **CONSULTANT** is responsible for the foundation design of the mast-arms, and will be included in the structural drawings. The design will be signed and sealed by a Professional Engineer in the State of Florida. The **COUNTY** has formally adopted FDOT Standard " Advance Loop" placement criteria. These plans are a component part of the contract plans set.

Phase submittal for review of signal plans is requested on a CD in a format compatible with **COUNTY**'s current software .

Phase submittal for engineering review will be in accordance with the requirements for construction plans and submitted at 60%, 90% and 100% completion stages.

3.9 Lighting Plans

At the **COUNTY**'s request, the **CONSULTANT** will provide a complete set of lighting plans.

3.10 Landscaping and Irrigation Plans

The **CONSULTANT** shall be responsible for the preparation of a complete set of landscaping and irrigation plans incorporating Seminole County's Technical Specifications and Standards for Roadway Landscaping (Current Edition).

Phase submittal for engineering review will be in accordance with the requirements for preliminary construction plans and submitted at 60%, 90% and 100% completion stages.

3.11 Standard Specifications and Special Provisions

3.11.1 The **COUNTY** uses FDOT's "***Standard Specifications for Road and Bridge Construction 2004***" and all subsequent technical supplements, memorandum and addenda for the standard specification on roadway and bridge construction.

3.11.2 The **CONSULTANT** is responsible to provide all Special Provisions necessary for the successful construction of the project. These Special Provisions are to be prepared in the same and complimentary format as the referenced standard specifications.

3.11.3 The **COUNTY** reserves the right to reject any special provision specification deemed inadequate for the project.

3.12 Environmental Impacts and Solutions

When the project's design requires solutions to environmental impacts, the **CONSULTANT** will be responsible to address these issues. The **COUNTY**'s first choice is to avoid these impacts; however, where necessary, solutions will be required by the **CONSULTANT.**

3.12.1 The **CONSULTANT** will obtain authorization from the **COUNTY** prior to initiation of these services. Compensation for professional fees for this work will be negotiated as supplemental services to the existing design services Agreement using man-hour unit prices from the current Agreement.

3.12.2 When authorized by the **COUNTY**, the **CONSULTANT** will provide all necessary professional services to achieve the required agency approvals and permits.

3.12.3 All solution strategies will be reviewed with the **COUNTY** prior to review with regulatory agencies.

3.12.4 The **CONSULTANT** will also provide legal descriptions and sketches of any mitigation area and mitigation plans (if determined necessary by the appropriate jurisdictional agencies).

3.13 Engineer's Estimate of Probable Construction Costs and Quantity Computation

The **CONSULTANT** will prepare preliminary estimates of probable construction costs with unit prices based on current F.D.O.T. estimates and pay items.

3.13.1 These estimates will be provided at the 90% and 100% phase submittals of the final construction plans. A "final" estimate will be provided when professionally endorsed plans are delivered to the **COUNTY**.

3.13.2 The **CONSULTANT** will prepare a Summary of Pay Items plan sheet to be incorporated as part of the final construction plans.

3.13.3 The **CONSULTANT** will prepare and submit two (2) complete Quantity Computation Books, listing all quantities and their related calculations for the project. Computer and/or written computations must conform to the F.D.O.T.'s general format as outlined in the current ***Basis of Estimate Manual and Computation Manual***. The final Quantity Computation Book will be included in the design documentation report.

3.13.4 The **CONSULTANT** will submit to the **COUNTY** any necessary copies of quantity computations requested for review. "Color-coded" plan view prints will be included within the computation book as back up to the computations.

3.14 Maintenance of Traffic

The **CONSULTANT** is responsible for providing a construction design conducive to safe maintenance of traffic for vehicles and pedestrians.

3.14.1 The **CONSULTANT** will prepare a Traffic Control Data Sheet (T.C.D.S.) for inclusion as part of the roadway plans. The intent of the T.C.D.S., as prepared by the **CONSULTANT**, is to provide adequate minimum requirements and direction to the construction contractor regarding specific project and construction plan conditions, and to enable the contractor to prepare a detailed maintenance of traffic plan for approval by the **COUNTY** prior to construction beginning.

3.14.2 The T.C.D.S. will explain the following:

a. Recommended construction phasing intent
b. Special construction techniques, methodologies, materials or sequencing of events
c. Unusual or extraordinary typical section applications
d. Unique traffic conditions or access requirements
e. And other conditions known to the **CONSULTANT** that would positively or negatively affect the preparation of the detailed maintenance of traffic plan by the roadway contractor.

3.14.3 The T.C.D.S. will include, as a minimum, the following:

a. General notes
b. Graphical and written phasing typical sections
c. Graphical and written description of requirements at intersections and major driveways within the project
d. An erosion sediment control plan approved by SJRWMD for use throughout the different construction phases of this project. This document is also to be used in conjunction with the MOT plans.

4.0 Environmental & Regulatory Permitting

The **CONSULTANT** is required to submit complete permit applications, respond to Requests for Additional Information and provide all necessary follow up information for all permits necessary to successfully design and construct the project.

4.1 St. Johns River Water Management District (District) and Army Corps of Engineers (ACOE)

Environmental permitting through the District is a requirement of the District and a significant element of this project. The **CONSULTANT** is to actively involve the **COUNTY**'s Project Manager in all permitting activities involving the District including pre-application conferences, RAI meetings, field meetings, Board of Governor meetings, etc.

4.1.1 The **CONSULTANT** is responsible for early identification of all potential permitting issues.

4.1.2 The **CONSULTANT** is to coordinate with the District and any other regulatory agencies having jurisdiction to assure that design efforts are properly directed toward permit requirements.

4.1.3 The **CONSULTANT** will prepare a complete permit package necessary to construct the project, including site and system design information and mitigation plans required by and acceptable to the District and all other regulatory agencies.

4.1.4 The **CONSULTANT** will professionally endorse the permit package(s) for District permitting and any regulatory agency exercising jurisdiction with the **COUNTY** as applicant. The **CONSULTANT** is responsible for permit package submittal, agency coordination and for all the information necessary to secure permits from these regulatory agencies. The **COUNTY** will provide the permitting fees.

4.2 Florida Department of Environmental Protection (FDEP)

At this juncture, we do not anticipate any site condition on this project that would initiate jurisdictional authority by the Florida Department of Environmental Protection (FDEP). However, if FDEP jurisdiction is exercised, the **CONSULTANT** is responsible to address their issues and pursue appropriate resolutions. Compensation for professional fees for this work will be negotiated as supplemental services to the existing design services Agreement using man-hour unit prices from the current Agreement.

4.3 NPDES

The **CONSULTANT** is responsible to obtain appropriate permits, notices, clearances, etc. from the Environmental Protection Agency (or State of Florida if delegated) regarding the construction of this project.

4.3.1 Pollutant Load Analysis

The Consultant shall perform an average annual pollutant loading assessment of pre- and post-conditions for project using published pollutant loading rates (event mean concentrations) and BMP treatment efficiencies for Central Florida. The following pollutants shall be included:

Conventional Pollutants	Toxic Pollutants
Biochemical oxygen demand (BOD)	Lead (Pb)
Chemical oxygen demand (COD)	Copper (Cu)
Total suspended solids (TSS)	Zinc (Zn)
Total dissolved solids (TDS)	Cadmium (Cd)
Total phosphorus (TP)	
Dissolved phosphorus	
Total Kjeldahl	
Nitrate – nitrite nitrogen (NO_2 and NO_2)	

Notes:

1. The pollutants listed above are the twelve surface water indicator parameters tracked by the EPA and its partners.

2. Estimation of pollutant loads will be dependent upon the availability and appropriateness of published pollutant loading rates.

Adjustments to average annual pollutant loading rates will be made based on the presence of existing stormwater treatment systems. The existing condition assessment shall serve as the benchmark for estimating pollutant load reductions for post-condition project design.

4.4 Florida Fish and Wildlife Conservation Commission (FFWCC)

The **CONSULTANT** is responsible for obtaining appropriate permits, notices, clearances, etc. from the FFWCC regarding the construction of this project. In particular, a gopher tortoise permit may be required.

5.0 Utility Coordination and Relocation

Coordination of existing and proposed utilities is of critical importance to the cost and overall success of the project. The **CONSULTANT** is to contact all utility companies and local governments having facilities within the project area and obtain necessary information on their existing and proposed facilities. The **CONSULTANT** is to coordinate design activities with the respective utility companies/local governments and **COUNTY** Project Manager.

The **CONSULTANT** is responsible to accurately reflect the information provided by these utilities. When necessary for the accuracy of the design, the **CONSULTANT** will obtain actual field horizontal and vertical locations, coordinating this effort through respective utility companies/local governments. The **CONSULTANT** will field verify vertical and horizontal location data on existing utilities prior to the final design of project to avoid unnecessary conflicts. The field verification of vertical and horizontal positions will be at intervals not to exceed 200', including all valves, changes in direction and structures. Accuracy shall be within 0.2 of a foot horizontally and vertically. The mapping work described in this section does not include normal design survey utility work specified in the Design Survey and the Utilities sections.

The **CONSULTANT** will evaluate relocations, abandonments, adjustments, or facilities to remain in place for impact to design elements of the project.

5.1 Early Coordination

The **CONSULTANT** will submit two (2) sets of plans to each entity for verification of respective utility locations after the initial field survey is plotted and field reviewed. One set should be marked up and returned to the **CONSULTANT**.

5.2 Coordination at 60% Plans

The **CONSULTANT** will prepare 60% plans showing existing utilities. Following **COUNTY** review and plan adjustment, the **CONSULTANT** will submit two (2) sets of plans to these groups for review and markup. One set should be marked up and returned to the **CONSULTANT**.

Upon return of these markups, the **CONSULTANT** is responsible to prepare a complete **Utilities Adjustment Plan** for the project as part of the roadway design process. This work includes coordination with public and private utility companies for the location and design of their pre-construction (existing) and post-construction (relocated) utilities.

5.3 Coordination at 90% Plans

At the time of the 90% submittal, the **CONSULTANT** will contact these groups again and send two (2) sets of the 90% plans for review and markup. One set should be marked up and returned to the **CONSULTANT**.

Additional submissions and coordination are at the discretion of the **CONSULTANT.** The **CONSULTANT** may request that the utility companies provide an electronic copy of any corrections.

6.0 Local Government, FDOT, Other Agencies Coordination

Coordination with local governments, public agencies and others is of critical importance to the overall success of the project. Accordingly, the **CONSULTANT** is responsible to coordinate all design activities with these groups to ensure adequate opportunity on their behalf to address design and construction issues.

The **CONSULTANT** is responsible to contact each local government, FDOT (if applicable), and other known agencies having an interest in this project. The **CONSULTANT** is to coordinate their interest with the design of the project, as necessary, to work towards solutions acceptable to the **COUNTY** and these groups.

Contact with these groups is to occur at the 60% and 90% stages of design completion, and with a set of "final" plans delivered to these groups after the **CONSULTANT** has professionally endorsed the final plans. One (1) plan set is to be delivered to each group for review and comment at each submission stage.

7.0 Deliverables / Phase Submission Documents

The **CONSULTANT** will submit Final Design Plans and support documents to the **COUNTY** for review and approval at specific junctures. Each plan set submitted will have the percentage complete for that submittal clearly indicated on the first sheet of each set of plans.

7.1 30% Design Documents Submission (2 week COUNTY review)

- Thirteen (13) half-size and three (3) full size sets of prints: horizontal and vertical geometry, typical sections, and cross sections at 500 feet (or as needed)

7.2 60% Design Documents Submission (3 week COUNTY review)

- Thirteen (13) half-size and three (3) full size sets of prints (Construction Plans) and Right of Way maps
- Preliminary Drainage Computations (**SWMF** layout / big picture information)
- 60% signed checklist
- A detailed utility conflict letter based upon the preliminary drainage design

7.3 90% Design Documents Submission (3 week COUNTY review time)

- Thirteen (13) half-size and three (3) full size sets of prints (Construction Plans with Right-of-Way Maps)
- Preliminary estimate of probable construction cost and bid sheets
- Right-of-Way maps
- Three (3) copies, signed and sealed, Sketches of Description
- Drainage Design and documentation (with maps, comps, etc.)
- 90% signed checklist

7.4 100% Design Documents Submission (3 week COUNTY review time)

- Thirteen (13) half-size and three (3) full size sets of prints (Construction Plans with Right-of-Way Maps)
- Two (2) cost estimates
- Two (2) sets of bid forms
  (Provide forms on 3½" disk or CD, Microsoft Office / Microsoft Word v 6.0 compatible)
- Two (2) Design Documentation Reports
- Contract Documents and Specifications
- 100% Drainage Design and documentation (with plans, computations, etc.)
- 100% signed checklist

7.5 Final Deliverables (after COUNTY has approved 100% plans)

- One (1) set of the signed and sealed Construction Plans on non-thermal reproducible mylar
- One (1) set of the signed and sealed Right of Way Plans on non-thermal reproducible mylar
- One half-size bond set, signed and sealed.
- One full-size bond set, signed and sealed.
- Two (2) Final, signed and sealed computation books
- Two (2) Final Cost Estimates
- Two (2) Final sets of Bid Sheets
- Final documentation, special provisions, or other specifications necessary to construct the project
- Final Drainage Computations:
  - Upon receipt of final approval by all appropriate jurisdictional agencies of each permit package, the CONSULTANT shall submit to the COUNTY, one (1) signed and sealed hard bound copy of the Stormwater Management Computations Report, and other supporting documents for each permit received. Copies shall include all coordination, jurisdictional determination letters, (including signed aerials), exemptions, RAI's with responses, TSRs, and all final permit approval letters with attachments. The original final approval letters, TSRs, jurisdictional determination letters and exemptions shall accompany the hard bound submittals.
- Two (2) copies of all permits obtained

7.6 General Phase Submission Comments

7.6.1 All plan submittals, except right-of-way and drainage maps, will half size prints.

7.6.2 When aerial photography is used as a base, the half-size prints will be halftone, clear, Photo-Mechanical Transfers (PMT's) or equivalent quality.

7.6.3 As a minimum, phase submittals to the **COUNTY** will be in accordance with the current F.D.O.T. Plan Preparation Manual (non-metric) information content requirements including a written response to previous **COUNTY** review comments.

7.6.4 Phase submittals of construction plans shall not be considered complete if applicable individual component parts, such as signals, signing and pavement markings, utility adjustments, bridge plans, etc., are not included with the submittal.

7.6.5 If the **COUNTY** determines that the phase submittal is incomplete, the **CONSULTANT** is to pick-up the submittal, make it complete and resubmit. The **COUNTY** may require additional data if determined by individual project requirements.

7.6.6 Phase submittals of Construction Plans, Drainage Computations or Right-of-Way Maps will not be considered representative of the percent complete indicated until they have been reviewed and accepted by the **COUNTY**.

7.6.7 In addition to the required phase submittals, upon request, the **CONSULTANT** will furnish copies of miscellaneous plan sheets and plan sets (10 sets anticipated) for the **COUNTY** and other agencies to review throughout the design process.

7.6.8 Any electronic design files submitted will be in AutoCAD Version 2000.

7.6.9 Right of Way Map submittals will be made as described in Section 2.0.

—— End of Phase II Scope ——

Exhibit C

Airport Boulevard Extension

State Road 46 to County Road 15

Tentative Scope of Services

Phase III: Post Design Services

A. PURPOSE AND INTENT

Seminole County (**COUNTY**) wishes to select a Professional Engineering Firm (**CONSULTANT**) to provide professional engineering post design services in connection with the design and construction of the Airport Boulevard Extension, approximately 1.7 miles, from State Road 46 to County Road 15.

This document defines the scope of work and the responsibilities of the **CONSULTANT**. Our purpose is to achieve quality post design services from competent professionals in order to satisfactorily complete construction. These services are intended to address changed conditions or services not covered that occur following acceptance of final plans, including changes required as part of right of way acquisition. These services are not intended for instances of **CONSULTANT** error and/or omissions.

B. PROJECT DESCRIPTION

The project is located in Sanford, Florida and unincorporated portions of Seminole County. The project involves the analysis of the transportation corridor and related infrastructure improvements to portions of existing roads or a potentially newly defined roadway corridor to extend Airport Boulevard north of SR 46 to CR 15, also known as Upsala and/or Monroe Road. Airport Boulevard south of SR 46 will be realigned to connect to the existing alignment of Bevier Road. The extension to the newly aligned Airport Boulevard will commence north of SR 46 in the approximate location of Randyard Road.

C. SCOPE OF WORK REQUIREMENTS

The following descriptions provide a non-exclusive summary of the specific tasks within this Scope-of-Services and are the minimum criteria for project performance and execution. The **COUNTY** will issue work orders on an as needed basis. The **CONSULTANT** will submit a **lump-sum fee proposal** for the required services, including **SUBCONSULTANT** services and direct expenses. The **CONSULTANT** is responsible to provide the following required professional services as requested:

1.0 Plans and Right of Way Documents Update and Maintenance

The **CONSULTANT** shall perform engineering analyses and/or make revisions to the plans, right of way maps, legal descriptions and special provisions, as requested by the **COUNTY**, to reflect additions, deletions and/or modifications prior to and subsequent to construction advertising. Whenever the plans or Right of Way Maps are revised, the **CONSULTANT** shall submit two (2) sets of signed and sealed half size prints of the revised sheets and one (1) set of the revised reproducibles. The Right of Way maps and drainage maps will be full size.

2.0 Construction Assistance

The **CONSULTANT** shall provide to the **COUNTY** qualified representation during the construction phase concerning the intent and interpretation of the construction plans and documents. Should changed conditions be encountered in the field and when requested by the **COUNTY**, the **CONSULTANT** shall respond in a timely manner with suitable engineering solutions which take into account the changed conditions.

On site appearance of **CONSULTANT** shall be made during construction at the written request of the **COUNTY**.

From time to time during construction, the **COUNTY** may request the **CONSULTANT** to review contractor proposed field changes or to respond with a recommended solution to remedy particular field situations not covered by the plans and specifications.

3.0 Permit Updates

The **CONSULTANT** shall provide valid permits extending through construction. The **CONSULTANT** shall apply for and provide the necessary information to modify, extend or renew required permits, prior to or subsequent to construction advertising.

4.0 Review Structural Shop Drawings

The **CONSULTANT** shall review structural shop drawings during construction as needed.

5.0 Survey Update

If requested, the **CONSULTANT** shall provide additional field survey updates prior to and during the construction contract.

D. GENERAL PROJECT REQUIREMENTS

1.0 Project Invoicing

Each month's invoice is to indicate the following minimum data, with direct expenses listed separately:

- Invoice Number
- Contract amount
- Percent (%) complete for each category (to date)
- Previous percent (%) complete for each category
- An overall project percent (%) complete (to date)
- An overall earned amount (to date)
- Total retainage to date
- The previous invoice amount (incl. retainage)
- Amount earned this invoice
- Less retainage (current invoice)
- Amount due this invoice

2.0 Consultant Personnel

The **CONSULTANT**'s work is to be performed by the key personnel at the office location identified in the technical/fee proposal submitted by the **CONSULTANT**. Prior to any changes in the indicated personnel or the **CONSULTANT**'s office-in-charge of the work, as identified in the **CONSULTANT**'s Proposal, these changes will be reviewed and approved by the **COUNTY**.

3.0 Project Related Correspondence

The **CONSULTANT** will furnish copies of all correspondence, telephone memorandums, Fax's, maps, exhibits, etc. between the **CONSULTANT** and any party regarding this project. This information is to be forwarded to the **COUNTY**'s Project Manager within one (1) week of the contact with these parties.

The **CONSULTANT** is responsible for recording and distributing the minutes of all meetings, presentations, etc. pertaining to this project.

4.0 Professional Endorsement

The **CONSULTANT** will provide the **COUNTY** with a final copy of all design documents with his/her professional endorsement (seal/signature as appropriate) on every sheet of the record print sets, computations,

maps, exhibits and any other professional work shown on the endorsed sheets produced by the **CONSULTANT**. The original set of plans shall have the title block placed on each sheet, and the raised seal and original signature shall be placed on the Key Map.

5.0 Supplemental Services

Fees and associated time for completion of additional work that is determined by the **COUNTY** to be extraordinary to the accomplishment or requirements of the original work contemplated in the scope of services may be negotiated as an extension of the man-hour and fee proposal within the approved design services Agreement utilizing man-hour unit price basis from the current fee proposal for similar work. Supplemental work for tasks not contemplated in the Scope of Services can be negotiated as a formal amendment to the original design services Agreement. The executed work order will authorize the additional work to begin.

6.0 Legal Proceedings

The **CONSULTANT** will serve as an expert witness in legal proceedings, if requested by the **COUNTY**. The fee for these services will be established if and when these services are requested.

7.0 County Responsibility

The **COUNTY** shall provide the following:

- Project Manager who will provide administrative and technical coordination for the **COUNTY**
- Relevant design correspondence on file
- Assistance with the application process for environmental permits

8.0 Subcontractor Services

The variety of the professional services required to successfully design the project makes it desirable, if not necessary, for the **CONSULTANT** to subcontract portions of the work (e.g., aerial photography). The **CONSULTANT** is authorized to subcontract these services under the provisions of this document. However, a minimum of 50% of the total contract man-hours specified for work described in the Scope of Services must be performed by the prime **CONSULTANT**. The subcontracting firms must be approved by the **COUNTY** prior to initiation of their work on this project.

Coordination of **SUBCONSULTANT** services is the responsibility of the **CONSULTANT**. The **CONSULTANT** shall be fully responsible for the satisfactory performance of all subcontracted work. All work shall be reviewed by the **CONSULTANT** prior to delivery to the **COUNTY**.

EXHIBIT "B"

Board of County Commissioners
SEMINOLE COUNTY, FLORIDA

WORK ORDER

Work Order Number: _____

Master Agreement No.: _____ Dated: _____
Contract Title: _____
Project Title: _____

Consultant: _____
Address: _____

ATTACHMENTS TO THIS WORK ORDER:
[ ] drawings/plans/specifications
[ ] scope of services
[ ] special conditions
[ ] _____

METHOD OF COMPENSATION:
[ ] fixed fee basis
[ ] time basis-not-to-exceed
[ ] time basis-limitation of funds

TIME FOR COMPLETION: The services to be provided by the CONTRACTOR shall commence upon execution of this Agreement by the parties and shall be completed within "X" (days, months, years) of the effective date of this agreement. Failure to meet the completion date may be grounds for Termination for Default.

Work Order Amount: _____DOLLARS ($_____)

IN WITNESS WHEREOF, the parties hereto have made and executed this Work Order on this _____ day of _____, 20_____, for the purposes stated herein.

(THIS SECTION TO BE COMPLETED BY THE COUNTY)

ATTEST:

_____
, Secretary

(CORPORATE SEAL)

_____
(Company Name)

By: _____
, President

Date: _____

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BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

WITNESSES:

_____
(Contracts Analyst, print name)

By: _____
Peter W. Maley, Contracts Supervisor

Date: _____

_____
(Contracts Analyst, print name)

As authorized by Section 330.3, Seminole County Administrative Code

WORK ORDER
TERMS AND CONDITIONS

a) Execution of this Work Order by the COUNTY shall serve as authorization for the CONSULTANT to provide, for the stated project, professional services as set out in the Scope of Services attached as Exhibit "A" to the Master Agreement cited on the face of this Work Order and as further delineated in the attachments listed on this Work Order.

b) Term: This work order shall take effect on the date of its execution by the County and expires upon final delivery, inspection, acceptance and payment unless terminated earlier in accordance with the Termination provisions herein.

c) The CONSULTANT shall provide said services pursuant to this Work Order, its Attachments, and the cited Master Agreement (as amended, if applicable) which is incorporated herein by reference as if it had been set out in its entirety.

d) Whenever the Work Order conflicts with the cited Master Agreement, the Master Agreement shall prevail.

e) METHOD OF COMPENSATION - If the compensation is based on a:

(i) FIXED FEE BASIS, then the Work Order Amount becomes the Fixed Fee Amount and the CONSULTANT shall perform all work required by this Work Order for the Fixed Fee Amount. The Fixed Fee is an all-inclusive Firm Fixed Price binding the CONSULTANT to complete the work for the Fixed Fee Amount regardless of the costs of performance. In no event shall the CONSULTANT be paid more than the Fixed Fee Amount.

(ii) TIME BASIS WITH A NOT-TO-EXCEED AMOUNT, then the Work Order Amount becomes the Not-to-Exceed Amount and the CONSULTANT shall perform all the work required by this Work Order for a sum not exceeding the Not-to-Exceed Amount. In no event is the CONSULTANT authorized to incur expenses exceeding the not-to-exceed amount without the express written consent of the COUNTY. Such consent will normally be in the form of an amendment to this Work Order. The CONSULTANT's compensation shall be based on the actual work required by this Work Order and the Labor Hour Rates established in the Master Agreement.

(iii) TIME BASIS WITH A LIMITATION OF FUNDS AMOUNT, then the Work Order Amount becomes the Limitation of Funds amount and the CONSULTANT is not authorized to exceed the Limitation of Funds amount without prior written approval of the COUNTY. Such approval, if given by the COUNTY, shall indicate a new Limitation of Funds amount. The CONSULTANT shall advise the COUNTY whenever the CONSULTANT has incurred expenses on this Work Order that equals or exceeds eighty percent (80%) of the Limitation of Funds amount. The CONSULTANT's compensation shall be based on the actual work required by this Work Order and the Labor Hour Rates established in the Master Agreement.

f) Payment to the CONSULTANT shall be made by the COUNTY in strict accordance with the payment terms of the referenced Master Agreement.

g) It is expressly understood by the CONSULTANT that this Work Order, until executed by the COUNTY, does not authorize the performance of any services by the CONSULTANT and that the COUNTY, prior to its execution of the Work Order, reserves the right to authorize a party other than the CONSULTANT to perform the services called for under this Work Order; if it is determined that to do so is in the best interest of the COUNTY.

h) The CONSULTANT shall sign the Work Order first and the COUNTY second. This Work Order becomes effective and binding upon execution by the COUNTY and not until then. A copy of this Work Order will be forwarded to the CONSULTANT upon execution by the COUNTY.

EXHIBIT C

RATE SCHEDULE

Exhibit "D"

Truth in Negotiations Certificate

This is to certify that, to the best of my knowledge and belief, the wage rates and other factual unit costs supporting the compensation (as defined in section 287.055 of the Florida Statues (otherwise known as the "Consultants' Competitive Negotiations Act" or CCNA) and required under CCNA subsection 287.055 (5) (a)) submitted to Seminole County Purchasing and Contracts Division, Contracts Section, either actually or by specific identification in writing, in support of PS-_____-____* are accurate, complete, and current as of _____(Date)**. This certification includes the wage rates and other factual unit costs supporting any Work Orders or Amendments issued under the agreement between the Consultant and the County.

Firm _____

Signature _____

Name _____

Title _____

Date of execution*** _____

* Identify the proposal, request for price adjustment, or other submission involved, giving the appropriate identifying number (e.g., PS No.).

** Insert the day, month, and year when wage rates were submitted or, if applicable, an earlier date agreed upon between the parties that is as close as practicable to the date of agreement on compensation. .

*** Insert the day, month, and year of signing.

(End of certificate)