

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20020470

1. REQUESTED MOTION:

ACTION REQUESTED:

Approve Change Order No. 1 to Contract No. 1481 for CN-00-03, SUMMERLIN ROAD 6-LANING (University Drive to Boy Scout Drive), in the amount of \$65,259.14, for a total contract amount of \$1,368,663.59.

WHY ACTION IS NECESSARY: Pursuant to the Lee County Contracts Manual, approved by the Board on September 25, 2001, Change Orders over \$50,000.00 require Board approval.

WHAT ACTION ACCOMPLISHES: Provides for a noise study as directed by the Board, and provides for additional traffic study for the purpose of providing traffic signal analysis and timing, as well as access management recommendations.

2. DEPARTMENTAL CATEGORY:

09 Transportation
COMMISSION DISTRICT #:

C9B

3. MEETING DATE:

05-21-2002

4. AGENDA:

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:

5. REQUIREMENT/PURPOSE:
(Specify)

- STATUTE
- ORDINANCE
- ADMIN. CODE *AC-4-4*
- OTHER

6. REQUESTOR OF INFORMATION:

- A. COMMISSIONER
- B. DEPARTMENT *Transportation*
- C. DIVISION
- BY: *Scott Gilbertson, Dept. Dir.*

7. BACKGROUND:

On July 18, 2000, the Board awarded an Professional Services Agreement to Agnoli, Barber & Brundage Inc., for CN-00-03 SUMMERLIN ROAD 6-LANING (University Drive to Boy Scout Drive), in the amount of \$1,303,404.45.

At this time, the Department of Transportation is requesting Board approval of Change Order No. 1 in the amount of \$65,259.14, which will increase the total contract with Agnoli, Barber & Brundage to \$1,368,663.59.

Funds will be made available in account #20600718804.506510

Attachment: Two (2) Original Change Orders for Execution.

8. MANAGEMENT RECOMMENDATIONS:

9. RECOMMENDED APPROVAL:

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services				G County Manager
					OA	OM	Risk	GC	
<i>5/3/02</i>	<i>5/1/02</i>	N/A	<i>AD 5/16/02</i>	<i>Brundage</i>	<i>5-8-02</i>	<i>5-8-02</i>	<i>5/8</i>	<i>14 5-8-02</i>	<i>5.6.02</i>

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

REC'D
CO. CLERK
5/7/02 4:35 pm

COUNTY CLERK
FORWARDED TO:
5/7 10:00

REC'D 5/7/02
by CO. ATTY.

11:45 AM

CO. ATTY.
FORWARDED TO:
ASST. DIR.

LEE COUNTY PROFESSIONAL SERVICE/SERVICE PROVIDER AGREEMENT
CHANGE ORDER/SUPPLEMENTAL TASK AUTHORIZATION

Change Order
 Supplemental Task Authorization

NO.: 1

(A Change Order or Supplemental Task Authorization Requires Approval by the Department Director for Expenditures Under \$25,000 or Approval by the County Manager for Expenditures Between \$25,000 and \$50,000 or Approval by the Board of County Commissioners for Expenditures over \$50,000)

CONTRACT/PROJECT NAME: Summerlin Road 6-Laning (University Drive to Boy Scout Drive)

CONSULTANT: Agnoli, Barber & Brundage, Inc.

PROJECT NO.: 6007

SOLICIT NO.: CN-00-03 CONTRACT NO.: 1481 ACCOUNT NO.: 20600718804 . 500510

REQUESTED BY: Don Deberry

DATE OF REQUEST: 4/23/02

Upon the completion and execution of this Change Order or Supplemental Task Authorization by both parties the Consultant/Provider is authorized to and shall proceed with the following:

EXHIBIT "CO/STA-A: SCOPE OF PROFESSIONAL SERVICE: DATED: 4/23/02

EXHIBIT "CO/STA-B: COMPENSATION & METHOD OF PAYMENT: DATED: 4/23/02

EXHIBIT "CO/STA-C: TIME AND SCHEDULE OF PERFORMANCE: DATED: 4/23/02

EXHIBIT "CO/STA-D: CONSULTANT'S/PROVIDERS ASSOCIATED
SUB-CONSULTANT(S)/SUB-CONTRACTORS: DATED: 4/23/02

EXHIBIT "CO/STA-E: PROJECT GUIDELINES AND CRITERIA: DATED: 4/23/02

It is understood and agreed that the acceptance of this modification by the CONSULTANT/PROVIDER constitutes an accord and satisfaction.

RECOMMENDED:

By: _____
Department Director Date

By: B. Blumstein 4-30-02
Contracts Mgmt Date

APPROVED:

By: _____
*County Attorney's Office Date

*County Attorney signature needed
for over Board level expenditures only.

ACCEPTED:

By: _____
Consultant/Provider

Date Accepted: 4.23.02

Corporate Seal

COUNTY APPROVAL:

By: _____
Department Director
(Under \$25,000)
Date Approved: _____

By: _____
County Manager (Between
(\$25,000 and under \$50,000)
Date Approved: _____

By: _____
Chairman
Board of County Commissioners
Date Approved: _____

CHANGE ORDER AGREEMENT No. 1
or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-A"

Date: 2/28/02

SCOPE OF PROFESSIONAL SERVICES

for Summerlin Road 6-Laning (University Drive to Boy Scout Drive)
(Enter Project Name from Page 1 of the
Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) TO PROFESSIONAL SERVICES

The "Scope of Professional Services" as set forth in Exhibit "A" of the Professional Services Agreement, or Service Provider Agreement, referred to hereinbefore is hereby supplemented, changed or authorized, so that the CONSULTANT or SERVICE PROVIDER, shall provide and perform the following professional services, tasks, or work as a supplement to, change to, or authorized to, the scope of services previously agreed to and authorized:

Task 1.01 - Mailing List

The Consultant shall add property owners up to 300 feet from the right-of-way line to the public notice mailing list.

Task 1.02 - Exhibits/Public Meeting and Mailing for Meeting No. 1

The Consultant shall prepare and place an advertisement for the public meeting with the Fort Myers News Press.

Task 1.04 - Exhibits/Public Meeting and Mailing for Meeting No. 2

The Consultant shall conduct a second Public Information Meeting during the plans preparation process.

Task 1.05 - Unscheduled Meetings and Presentations

The Consultant shall attend/conduct unscheduled meetings and presentations with the public and/or various public agencies and/or boards as requested by the County.

Task 1.07 - Traffic Noise Study

The Consultant shall conduct a noise study which shall include the following Tasks.

Evaluate Traffic Noise Impact

Using the data/materials listed below and the Federal Highway Administration's (FHWA's) Traffic Noise Model (TNM), ESA will identify (using noise contours) where "worst-case" one-hour average equivalent traffic noise levels of 65, 66, 67, 68, 69 and 70 decibels (dB) on a "A"-scale (dBA) would occur with the proposed improvements. The contours will be developed for a maximum of two (2) typical roadway sections.

(Please see attached sheets.)

*Attach additional pages, if needed.

The following are to be provided by others for use in the evaluation:

- Traffic data representing peak one-hour demand volumes, design level-of-service "C" roadway volumes, vehicle mix (including medium and heavy truck percentages), and posted speeds. Notably, this data shall be provided for the design year for the roadway improvement.
- Aerials of the project corridor.
- A typical section(s) for the proposed improvements and/or a conceptual roadway layout overlaid on an aerial.

Evaluate Noise Barriers

Noise barriers will also be evaluated at heights of 8, 14, and 20 feet using the TNM. The barriers will be evaluated for the same typical sections used in the evaluation described above. The barriers will be located at the right-of-way indicated on the project's typical roadway section. Using the results of the analysis, the Consultant is to identify (using noise reduction contours) where noise reduction levels of 5, 6, 7, 8, 9, and 10 dBA would be expected to occur with the noise barriers.

Technical Memorandum

A brief technical memorandum will be prepared detailing the methodology and results of the analysis. The memorandum will include illustrations of the areas evaluated, the noise contours and the noise reduction contours. Five (5) copies of the draft and five (5) copies of the final memorandum will be provided to the client and the client's subconsultant for review and/or file.

Coordination/Meetings

One (1) meeting will be attended to discuss the results of the analysis.

Task 6.06 - Set Up SYNCHRO v. 5.0 Model

The Consultant will create a computer model of Summerlin Road using the SYNCHRO v.5.0 software to determine and generate optimal system timings for traffic signal systems using current and near term turning movement volumes in order to demonstrate the impact of signaling various intersections along the Summerlin corridor on the flow of traffic. The SYNCHRO model set up will be utilized to help establish system timings immediately prior to commencement of construction in order to provide opening day timings, and to recalibrate these timings at an appropriate duration after construction.

Task 6.07 - Traffic Counts at Boy Scout Drive and Summerlin Road Intersection and Second Opinion on Access Management from Maple Drive to Boy Scout Drive

The Consultant shall perform the following tasks to render a second opinion for the access management plan for Summerlin Road from Maple Drive to Boy Scout Drive.

Review Design Recommendations

The Consultant shall undertake a.m. and p.m. peak hour intersection turning movement counts at the intersections of Summerlin Road at Boy Scout Drive and at Horizon apartments/Summerlin Medical Park, and set several 24 to 48-hour traffic volume counts (recorded in 15-minute volumes, by direction) to serve as a basis for our review of the future volume estimates and to document current saturation flow rates. The Consultant shall also videotape operating conditions at Boy Scout Boulevard and take digital photographs at various locations throughout the study area to illustrate current operating conditions.

The Consultant shall review the Synchro file coding and the input parameters to the Sim-Traffic traffic flow simulations prepared by Metro Transportation, and evaluate proposed median openings and control measures between Maple Drive and Boy Scout Drive. This evaluation will consider storage lane lengths at unsignalized driveways and physical roadway features for both the a.m. and p.m. peak periods. If appropriate, the Consultant shall confirm Metro's recommendations or propose alternative recommendations. The Consultant shall provide a written summary of findings, with supporting schematic diagrams, worksheets and computer files, for the county's use.

The Consultant shall provide two copies of the draft technical report for the client's review. Upon receipt of comments, the Consultant shall finalize the report and provide five bound copies.

Meetings and Additional Services

Upon authorization, the Consultant shall participate in meetings with Lee County staff, Metro Traffic Engineering, Inc, or others to present and discuss the findings of the analysis. In addition, the consultant shall undertake additional analyses that the County may direct. Prior to undertaking the analyses, the Consultant shall provide a fee and confirm the County's authorization to perform these additional services. It is assumed that a two-hour meeting in Ft. Myers will be required.

Task 10.03 - Traffic Signal System Timings

The overall objective of this task is to implement optimized signal timings along the Summerlin Road corridor from Cypress Lake Drive to Boy Scout Drive in order to optimize system safety and efficiency. During construction, the consultant shall deliver opening day traffic signal timings to the traffic signal contractor, and supervise their implementation following the Burn-in period and acceptance of the system by the County, the Consultant will work directly with the County staff to fine tune system settings.

The specific intersections to be included in this system analysis are:

1. Cypress Lake Drive
2. Edison/University Center Drive
3. College Parkway
- ~~4. Brantley Drive~~
5. Park Meadows Drive
6. Maple Drive
7. Horizons Apartments/Medical Center
8. "OJ Property"
9. Boy Scout Drive

Data Collection

Interviews will be conducted with appropriate signal engineers in order to determine the most applicable format in which to provide optimization and timing adjustments for the system. We will also determine the boundary conditions, and which existing systems crossing the Summerlin Road system will govern overall settings.

Geometric parameters affecting the system will be taken directly from the final roadway plans. Traffic signal controller capabilities will be specified in the traffic signalization plans, but exact manufacturer and model identification will be obtained from final bid information provided by the County. Eight-hour turning movement traffic counts (TMCs) will be conducted prior to construction. Each TMC will be summarized in 15-minute intervals and cover AM peak, PM peak, and off-peak periods. This information will be assimilated for the system to provide the baseline opening day conditions.

Data Analysis

The data collected will be reduced and thoroughly analyzed. Peak period turning movement counts will be summarized in a form sufficient for input to appropriate computer models. Individual capacity analyses will be conducted for each signalized intersection to optimize intersection levels of service (LOS), and degrees of saturation. These analyses will be conducted in accordance with the HCM 2000 guidelines. Appropriate signal timing settings will be developed for each peak period for isolated intersection control.

Utilizing information such as system control, intersection spacing, TMCs, minimum timing settings, phasing, saturation flow rates, anticipated speeds and posted speed limits, etc., the Consultant will conduct signal system optimization analyses utilizing SYNCHRO v.5.0 computer software. Optimization analyses will be conducted for the previously identified count periods and other peak periods. Depending on existing and anticipated traffic distribution characteristics, 3 to 5 timing patterns would be warranted for most systems.

Implementation

Based on the 7-day and 24-hour system detector counts, implementation plans for optimized signal timing/phasing plans will be developed and forwarded to the County for review prior to transmittal to the traffic signal contractor.

The Consultant will supervise the traffic signal contractor in the implementation of closed loop system timing plans. Fine tuning adjustments made by the contractor will be supervised to ensure optimal operating conditions and enhance operations. Timing and coordination adjustments to signals outside the Summerlin Road system, isolated intersections, time-based and non-closed loop systems will be made in the field at the controller cabinet under the supervision of the County.

A Signal Systems Engineer will be in the field in direct communication during all implementation procedures to assure the adjustments are accepted by the equipment and to monitor traffic operations. Fine tuning adjustments will be suggested to the traffic signal contractor to ensure optimal operating conditions and enhance operations. This

Pg 4 of AS

work will be closely coordinated with the County to avoid operational conflicts and quickly resolve any concerns.

After an appropriate interval following construction not to exceed 12 months, the Consultant will conduct new TMCs and reevaluate opening day timings. Any adjustments to system timings deemed appropriate will be provided to the County through direct download to the County's signal system. Field implementation and fine tuning will be performed by the Consultant under the supervision of the County.

CHANGE ORDER AGREEMENT No. 1
or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-B"

Date: 4/23/02

COMPENSATION AND METHOD OF PAYMENT

for Summerlin Road 6-Laning (University Drive to boy Scout Drive)

(Enter Project Name from Page 1 of the
Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) IN COMPENSATION

The compensation the CONSULTANT, or SERVICE PROVIDER, shall be entitled to receive for providing and performing the supplemented, changed or authorized services, tasks, or work as set forth and enumerated in the Scope of Services set forth in this CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto shall be as follows:

NOTE: A Lump Sum (L.S.) or Not-to-Exceed (N.T.E.) amount of compensation to be paid the CONSULTANT should be established and set forth below for each task or sub-task described and authorized in Exhibit "S/COA-A". In accordance with Professional Services Agreement Article 5.03(2) "Method of Payment", tasks to be paid on a Work-in-Progress payment basis should be identified (WIPP).

Task Number	Task Title	Amount of Compensation	Indicate Basis of Compensation LS or NTE	If Applicable Indicate (W.I.P.P.)
1.01	Mailing List	\$421.00	LS	
1.02	Exhibits/Public Meeting No. 1	\$2,365.00	LS	
1.04	Exhibits/Public Meeting No. 2	\$8,425.00	LS	
1.05	Revise Exhibits & Assemble into Booklet No. 2	\$313.00	LS	
1.06	Unscheduled Meetings & Presentations	\$1,961.00	LS	
1.07	Traffic Noise Evaluation	\$5,159.90	LS	
6.06	Set Up SYNCHRO v. 5.0 Model	\$6,646.72	LS	
6.07a	Traffic Counts at Boy Scout Drive and 2 nd Opinion	\$11,916.00	LS & NTE	
6.07b	Credit for Previous Opinion	-\$4,000.00	LS	
10.03	Traffic Signal System Timings	\$32,051.52	LS	
TOTAL		\$65,259.14	LS & NTE	

(Unless list is continued on next page)

CHANGE ORDER AGREEMENT No. 1
 or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

SECTION 2.00 SUMMARY OF CHANGE(S) IN COMPENSATION

Pursuant to and in consideration of the change(s) in the Scope of Professional Services set forth in the CHANGE ORDER or AGREEMENT, Exhibit "CO/STA-A", the compensation the COUNTY has previously agreed to pay to the CONSULTANT, or SERVICE PROVIDER, as set forth in Exhibit "B" of the Professional Services Agreement, or Service Provider Agreement, shall be changed to be as follows:

Section/Task Number	Section/Task Name	Compensation In the Basic Agreement	Adjustment(s) by Previous CO or STA Nos. _____	Adjustment(s) Due to this CO or STA	Summary of Changed Compensation
		\$1,303,404.45	-0-		
1.01	Mailing List			\$421.00	\$1,303,825.45
1.02	Exhibits/Public Meeting No. 1			\$2,365.00	1,306,190.45
1.04	Exhibits/Public Meeting No. 2			\$8,425.00	1,314,615.45
1.05	Revise Exhibits & Assemble Booklet No. 2			\$313.00	1,314,928.45
1.06	Unscheduled Meetings			\$1,961.00	1,316,889.45
1.07	Traffic Noise Evaluation			\$5,159.90	1,322,049.35
6.06	Set Up SYNCHRO v 5.0 Model			\$6,646.72	1,328,696.07
6.07a	Traffic Counts & 2 nd Opinion			\$11,916.00	1,340,612.07
6.07b	Credit			-\$4,000.00	1,336,612.07
10.03	Traffic Signal System Timing			\$32,051.52	1,368,663.59
TOTAL		\$1,303,404.45		\$65,259.14	\$1,368,663.59

CHANGE ORDER AGREEMENT No. 1
or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-C"

Date: 4/23/02

TIME AND SCHEDULE OF PERFORMANCE

for Summerlin Road 6-Laning (University Drive to Boy Scout Drive)

(Enter Project Name from Page 1 of the
Change Order or Supplemental Task Authorization Agreement)

SECTION 1.00 CHANGES FOR THIS CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT

The time and schedule of completion for the various phases or tasks required to provide and perform the services, tasks, or work set forth in this CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", entitled "Scope of Professional Services" attached hereto is as follows:

Phase and/or Task Reference as Enumerated in EXHIBIT "A"	Name or Title of Phase and/or Task	Number of Calendar Days For Completion of Each Phase and/or Task	Cumulative Number of Calendar Days For Completion from Date of Notice to Proceed For this CO or STA
1.01	Mailing List	21	No Change
1.02	Exhibits - Public Meetings - No. 1	21	No Change
1.04	Exhibits - Public Meetings - No. 2	21	No Change
1.05	Revise Exhibits & Assemble Booklets No. 2	14	No Change
1.06	Unscheduled Meetings	--	No Change
1.07	Traffic Noise Evaluation	14	No Change
6.06	Set Up SYNCHRO Model	10	No Change
6.07a	Traffic Counts - 2 nd Opinion	21	No Change
10.03	Traffic Signal System Timing	30	No Change

CHANGE ORDER AGREEMENT No. 1
or
 SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-D"

Date: 4/23/02

CONSULTANT'S, OR SERVICE PROVIDER'S, ASSOCIATED SUB-CONSULTANT(S) AND SUBCONTRACTOR(S)

for Summerlin Road 6-Laning (University Drive to Boy Scout Drive)

(Enter Project Name from Page 1 of the
Change Order or Supplemental Task Authorization Agreement)

CONSULTANT, or SERVICE PROVIDER, intends to engage the following sub-consultant(s) and/or sub-contractor(s) to assist the CONSULTANT, or SERVICE PROVIDER, in providing and performing the services, tasks, or work required under this CHANGE ORDER, or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT.

(If none, enter the word "none" in the space below.)

Service and/or Work to be Provided or Performed	Name and Address of Individual or Firm	Disadvantaged, Minority or Women Business Enterprise, (If Yes, Indicate Type)			Sub-Consultant Services are Exempted from Prime Consultant's Insurance Coverage	
		Yes	No	Type	Yes	No
Tasks 6.06 10.03	Metro Transportation Group 12651 McGregor Blvd., Suite 4-403 Fort Myers, FL 33919		X		X	
Tasks 1.01 1.02 1.04 1.05 1.06	Cella & Associates 2125 First Street, Suite 201 Fort Myers, FL 33901	X		WBE/ DBE	X	
Task 1.07	Environmental Science Associates 2685 Ulmerton Road, Suite 102 Clearwater, FL 33762		X		X	
Task 6.07a	Tindale, Oliver and Associates 1000 N. Ashley Drive, Suite 100 Tampa, FL 33602		X		X	

CHANGE ORDER AGREEMENT No. 1

or

SUPPLEMENTAL TASK AUTHORIZATION No. _____

EXHIBIT "CO/STA-E"

Date: 4/23/02

PROJECT GUIDELINES AND CRITERIA

for Summerlin Road 6-Laning (University Drive to Boy Scout Drive)

(Enter Project Name from Page 1 of the
Change Order or Supplemental Task Authorization Agreement)

As a supplement, or change, to the Project Guidelines and Criteria set forth in the Professional Services Agreement, or Service Provider Agreement, Exhibit "E", the COUNTY has established the following Guidelines, Criteria, Goals, Objectives, Constraints, Schedule, Budget, and/or Requirements which shall serve as a guide to the CONSULTANT, or SERVICE PROVIDER, in performing the professional services, tasks, or work to be provided pursuant to the professional services set forth hereinbefore in CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto:

(If none, enter the word "None" in the space below.)

ITEM No. 1

None