

Professional Services Agreement – Continuing Contract

Roundabout Design Services – McGregor Boulevard / Virginia Avenue

Exhibit A
Scope of Services

Task 1.00 Traffic Study

Under this task, DPA will prepare a traffic study in support of the roundabout at McGregor Boulevard and Virginia Avenue. The traffic study will include the following.

1. Existing peak hour turning movement volumes at the intersection. The intersection turn volumes will be obtained from the Edison Avenue Extension Traffic Study and will include AM, Mid-day, and PM peak hour volumes. Existing turn volumes will be year 2016 or 2017. No adjustments will be made to those volumes.
2. Future peak hour turning movement volumes at the intersection. The intersection future year (2040) turn volumes will be obtained from the Edison Avenue Extension Traffic Study and will include AM, Mid-day, and PM peak hour volumes. No adjustments will be made to those volumes.
3. Existing operational analysis of the roundabout. An operational analysis of the intersection of McGregor Boulevard / Virginia Avenue will be undertaken under existing traffic volumes. The operational analysis will include without and with a roundabout and will be undertaken for the AM, Mid-day, and PM peak hours.
4. Future operational analysis of the roundabout. An operational analysis of the intersection of McGregor Boulevard / Virginia Avenue will be undertaken under future (2040) traffic volumes. The operational analysis will include without and with a roundabout and will be undertaken for the AM, Mid-day, and PM peak hours.
5. Using the traffic volumes and operational analysis from the above, recommendations will be made regarding the operations of the roundabout, including the number of approach lanes and turn lanes, if any.
6. Using the traffic data from the above, combined with readily available data and field observations, recommendations, if any, to improve traffic flow and operations at the following intersections will be made.
 - a. McGregor Boulevard / Edison Home Pedestrian Crossing
 - b. McGregor Boulevard / Victoria Avenue

Detailed traffic operations analyses will not be undertaken at these adjacent intersections, rather recommendations will be made based on field observations. If the City desires a detailed operational analysis of those intersections, it will be provided as a supplemental service.

7. The traffic data and analysis will be summarized and documented in a written report and will be provided to the City in draft form and then finalized reflective of the City's review.

The traffic study produced under this task is being prepared for the City of Fort Myers. It is not intended to be consistent with FDOT guidelines and requirements for preparing traffic studies, traffic forecasts, travel modeling, and the like. For example, interim year traffic forecasts and operational analyses are not being provided. If the City intends the traffic study to be consistent with FDOT guidelines and requirements, this scope of services and fee estimate will have to be adjusted.

Task 2.00 Design Plan Peer Review

Under this task, DPA will provide the current design plans for the McGregor Boulevard / Virginia Avenue roundabout to Michael Wallwork of Alternative Street Design. Those plans are titled "Roadway Improvements Contract Plans, Plaza Fort Myers At Virginia Avenue And McGregor Boulevard And West First Street and Altamont Avenue, Fort Myers, Florida" and dated 11/09/07.

Michael Wallwork, working as a subconsultant to DPA, will review those design plans, compare them to the geometric concept plan developed for the intersection as part of the Lee County MPO Roundabout Study, and provide detailed review comments and design change recommendations to DPA. The peer review will include the following.

1. Review roundabout design, including roundabout geometry, fastest paths, truck templates, sight lines, markings, pedestrian and bicycle features, light pole locations, and landscaping (if available).
2. Refine roundabout design as needed in AutoCAD.
3. Prepare review memorandum.

A peer review of one set of design plans will be undertaken by Michael Wallwork. DPA will coordinate the peer review with Michael Wallwork.

Task 3.00 Recommended Design Plan Modifications

DPA will review the comments, recommendations, and suggested design changes provided by Michael Wallwork. The most likely potential implications of those suggestions on the design, right-of-way and access will be estimated and summarized in a memorandum.

DPA, (along with Michael Wallwork, if requested by the City), will meet with the City staff at one meeting to review the suggested changes provided by Michael Wallwork and the likely implications of those suggestions. DPA will make recommendations as to what changes, if any, should be made to the design plans. The City staff will determine what changes, if any, are appropriate and will direct DPA as to the design changes to be reflected in the revised design plans.

Task 4.00 Project Representation

Associated with the services described in Tasks 1 to 3, DPA will attend meetings and / or conference calls; coordinate with the City, subconsultants, and others; and respond to issues as they may arise. The services under this task will include, in addition to attendance at meetings, the time necessary to prepare for the meetings. The extent of these services is not known at this time. A fee estimate reflective of 18 person-hours is identified.

Task 5.00 Expenses

Expenses associated with the above services described in Tasks 1 to 4 will be provided. A fee estimate is provided.

Task 6.00 Revised Design Plans

Based on direction received from the City staff, DPA will revise the current design plans. The extent of the design changes are not known at this time. The revised design plans are anticipated to include the following.

6.01. Geometric Controls:

Under this task, DPA will revise, if needed the geometric controls for the roundabout. The geometric control design will be at a scale of 1" = 20'. The single lane roundabout drawing will have general dimensions that will assist in the eventual preparation of contract drawing. The drainage, utilities, lighting and other such details required for the eventual approval and construction of this improvement will be part of the later design.

The geometric control plans include a general signing and marking plan. The signing and marking plan will be updated as necessary to reflect the requirements of the Manual on Uniform Traffic Control Devices and other similar standards.

6.02. Final Design Plans

The roadway plans for the roundabout improvement will be updated. The limits of the roundabout intersection are approximately 200' north / south and 400' east / west measured from

the appropriate intersection centerline. Plans will be prepared at a scale of 1" = 40' on 11" x 17" drawings.

The updated Roundabout Design Package will include the following.

- Cover Sheet
- Typical Section and Details
- Summary of Quantities
- General Notes Sheet
- Roadway Plan & Profile Sheets
- Drainage Structures Sheets
- Cross Section Sheets
- Stormwater Prevention Plan
- Utility Adjustment Sheets

The redesign will be submitted to the City of Fort Myers for review and approval.

An "Engineer's Estimate of Probable Construction Costs", reflective of the project's buildout year, will be prepared.

6.03 Lighting Plans

The services for this task include revising, as necessary, the plans for independent lighting systems for the roundabout and the approaches. These plans will indicate conductors, conduit, pull boxes, and service points for the lighting as required. A Tabulation of Quantities, Pole Data Sheet, Service Point Details, as well as Lighting Plan Sheets, will be updated and provided.

Pole spacing and voltage drop calculations, if applicable, will be included as part of this task.

6.04. Signing and Pavement Marking Plans

Signing and Pavement Marking Plans will be updated under this task. Signing and Pavement Marking Notes, Summary of Quantities, as well as Signing and Pavement Marking Sheets will be incorporated into the plans package.

These plans will specify the installation of standard highway signs. Specialty signage, if requested by the City, will be provided as additional services.

6.05. Topographic Survey

A topographic survey is required to be updated to insure current base drawings for the improvements. The boundaries of the topographic surveys will be the same as the roundabout design boundaries.

6.06. Utility Review

Utility adjustment sheets will be provided to the utility owners for verification of existing utilities and design of utilities that are to be relocated. The updated design plans will be provided to the utility companies so they can verify their respective utilities. Depending on the type of utility, what needs to be done to relocate or remove the utility will not be known until the final geometric design is determined. For example, there is a power pole in the SW corner that has to be moved. DPA will coordinate and work with the power company on where to potentially locate the new pole. Other simpler utility adjustments, such as adjusting a valve cover due to a grade change, would be provided under this task.

Agreement Conditions associated with the above services are as follows.

1. The existing roadway drainage systems, including all retention areas and/or outfalls, are fully approved and adequate for any additional runoff from this roundabout. The adjustments to these systems from the roundabout may consist of new inlets connecting to the existing drainage structures.
2. Utility adjustment sheets will be provided to the utility owners for verification of existing utilities and design of utilities that are to be relocated.
3. Storm Water Pollution Plans will consist of general notes and details.

City Responsibilities associated with the above services are as follows.

1. Bidding and award of project construction.
2. Existing utility, lighting, and drainage systems maps within influence of the project location.
3. Adjacent Property Ownership data.
4. All pending or approved land use and site plans within area of influence of the project.
5. Existing Right-of-Way maps.
6. Improvement permitting.
7. Documents and acquisition rights-of-way of any additional parcel.
8. Controlled aerials, if available.
9. Geotechnical testing.
10. Notification to owners of any impacts of the roundabout and approaches on existing driveways and other property elements.

Task 7.00 Project Representation

Associated with the services described in Task 6 and as needed, DPA will attend meetings and conference calls associated with the above services; coordinate with the City, subconsultants, and others; and respond to issues as they may arise. The services under this task will include, in addition to attendance at meetings, the time necessary to prepare for the meetings. The extent of these services is not known at this time. A fee estimate is to be determined.

Task 8.00 Expenses

Expenses associated with the above services under Tasks 6 and 7 will be provided.

Professional Services Agreement – Continuing Contract**Roundabout Design Services – McGregor Boulevard / Virginia Avenue****Exhibit B**
Fee Estimate (1)

<u>Task Number</u>	<u>Task Title</u>	<u>Amount of Compensation</u>	<u>Basis of Compensation Lump Sum</u>
1.00	Traffic Study ⁽²⁾	\$ 11,500	NTE
2.00	Peer Review	\$ 3,500	NTE
3.00	Design Plan Modifications	\$ 7,000	NTE
4.00	Project Representation ⁽³⁾	\$ 2,000	NTE
5.00	Expenses ⁽⁴⁾	\$ 500	NTE
6.00	Revised Design Plans ⁽¹⁾		
6.01	Geometric Controls	TBD	NTE
6.02	Final Design Plans	TBD	NTE
6.03	Lighting Plans	TBD	NTE
6.04	Signing/Marking	TBD	NTE
6.05	Topographic Survey	TBD	NTE
6.06	Utility Review	TBD	NTE
7.00	Project Representation ⁽⁵⁾	TBD	NTE
8.00	Expenses ⁽⁶⁾	TBD	NTE
PROJECT TOTAL		\$24,500	

Footnote:

- (1) Fee estimate for Tasks 6.1 to 6.6 to be determined once the extent of the design changes is established.
- (2) Fee reflects existing and future traffic volumes provided by the Edison Avenue Extension Traffic Study. Operational analysis from the Lee County MPO Roundabout Study will be updated to reflect these new volumes. Services also include a review of two adjacent intersections.
- (3) Project representation fees shown are associated with Tasks 1.0 to 3.0.
- (4) Expenses fee shown are associated with Tasks 1.0 to 3.0.
- (5) Project representation services associated with Tasks 6.1 to 6.6 are to be determined once the extent of the design changes are known and will require a supplemental service.
- (6) Expenses associated with Tasks 6.1 to 6.6 are to be determined once the extent of the design changes are known and will require a supplemental service.

Professional Services Agreement – Continuing Contract**Roundabout Design Services – McGregor Boulevard / Virginia Avenue****Exhibit C**
Schedule (1)

<u>Task</u>	<u>Calendar Days</u>	<u>Cumulative # Days From NTP</u>
Task 1.00 Traffic Study	45 ⁽²⁾	45 ⁽²⁾
Task 2.00 Peer Review	45	45
Task 3.00 Recommended Design Modifications	30	75
Task 4.00 Project Representation	On-going	On-going
Task 5.00 Expenses	On-going	On-going
Task 6.00 Revised Design Plans	To Be Determined	To Be Determined
Task 7.00 Project Representation	To Be Determined	To Be Determined
Task 8.00 Expenses	To Be Determined	To Be Determined

Footnote:

- (1) Schedule is approximate. Days are shown for Tasks 1 to 3. The schedule for Task 6 will be determined once the extent of the design changes is established. Schedule for project representation services and expenses are on-going.
- (2) Assumes that the existing and future traffic forecasts are provided coincident with the issuance of the Notice To Proceed. If not, the identified number of days is from the receipt of the final existing and future traffic volumes for the intersection

City of Fort Myers
McGregor Blvd / Virginia Roundabout
DPA Services

Fee Estimate

Task	Hours	Principal Rate	Fee	Senior Project Manager Hours	Senior Project Manager Rate	Fee	Project Manager Hours	Project Manager Rate	Fee	Planner / Engineer Hours	Planner / Engineer Rate	Fee	Technician Hours	Technician Rate	Fee	Clerical Hours	Clerical Rate	Fee	Total	Total Hrs
Task 1. Traffic Study																				
a. Traffic study	8	\$200	\$1,600	8	\$140	\$1,120	32	\$125	\$4,000	40	\$100	\$4,000	10	\$60	\$600	4	\$50	\$200	\$11,520	102
Subtotal	8		\$1,600	8		\$1,120	32		\$4,000	40		\$4,000	10		\$600	4		\$200	\$11,520	102
Task 2. Peer Review																				
a. Coordination (1)	0	\$200	\$0	0	\$140	\$0	4	\$125	\$500	2	\$100	\$200	0	\$60	\$0	0	\$50	\$0	\$700	6
Subtotal	0		\$0	0		\$0	4		\$500	2		\$200	0		\$0	0		\$0	\$700	6
Task 3. Design Plan Modifications																				
a. Review subconsultant's recommendations, review with city (2)	4	\$200	\$800	8	\$140	\$1,120	16	\$125	\$2,000	6	\$100	\$600	4	\$60	\$240	2	\$50	\$100	\$4,860	40
Subtotal	4		\$800	8		\$1,120	16		\$2,000	6		\$600	4		\$240	2		\$100	\$4,860	40
Task 4. Project Representation																				
a. Meetings, conference calls, respond to questions or clarifications	0	\$200	\$0	4	\$140	\$560	11	\$125	\$1,375	0	\$100	\$0	0	\$60	\$0	2	\$50	\$100	\$2,035	17
Subtotal	0		\$0	4		\$560	11		\$1,375	0		\$0	0		\$0	2		\$100	\$2,035	17
Total	12		\$2,400	20		\$2,800	63		\$7,875	48		\$4,800	14		\$840	8		\$400	\$19,115	165
Subconsultant Services Task 2 - \$ 2,790 Task 3 - \$ 2,188																			\$4,978	
Task 5. Expenses (Expenses at 2.5% of labor)																				
Grand Total Tasks 1 to 5																			\$478	
Task 6. Revised Design Plans (3)																				
a. 6.1. Geometric Controls																			TBD (3)	
b. 6.2 Final Design Plans																			TBD (3)	
c. 6.3 Lighting Plans																			TBD (3)	
d. 6.4 Signing / Marking																			TBD (3)	
e. 6.5 Topographic Survey																			TBD (3)	
f. 6.6 Utilities																			TBD (3)	
Subtotal																			TBD (3)	
Task 7. Project Representation																				
a. Associated with Task 6																			TBD (3)	
Subtotal																			TBD (3)	
Subconsultant Services Topographic Survey																			TBD (3)	
Task 8. Expenses (Expenses at 2.5% of labor)																				
Grand Total Tasks 6 to 8																			TBD (3)	

Footnote:

- (1) Coordination with subconsultant and team prior to, during and after peer review.
- (2) Excludes subconsultant's services during review.
- (3) Scope of services and fees to be determined once the extent of the design changes are known following Tasks 1 to 5.