

**WORK ASSIGNMENT NO. 24
CHANGE ORDER NO. 4
AGREEMENT NO. 07-0759TC**

**PROJECT NO. 6025662
PROJECT TITLE: 45TH STREET E. ROADWAY IMPROVEMENTS
FROM SR 70 TO 44TH AVENUE**

DATE: March 2, 2018

Pursuant to the Manatee County, Florida, Agreement for Transportation Engineering Services entered into by and between the COUNTY OF MANATEE, FLORIDA, hereinafter referred to as the "COUNTY" and Cardno, Inc., hereinafter referred to as the "Consultant", a determination has been made by the COUNTY that there is a need for the performance of or rendering of services by the Consultant of a certain "Work Assignment" under the purview of said Contract, and the Consultant is hereby authorized to perform or render the particular services of work described as follows:

TITLE OF PROJECT: 45th Street E. Roadway Improvements from SR 70 to 44th Avenue

ADDITIONAL WORK: Addition of public involvement services.

TASKS OF PROFESSIONAL SERVICES AUTHORIZED:

Consultant shall perform tasks as more specifically detailed in attached SCOPE OF SERVICES, Change Order 4. This work assignment shall remain in effect until completion of the project. Compensation to the Consultant for rendering all of the above identified services and products shall not exceed:

TASK	TASK DESCRIPTION	TOTAL
1	Roadway	\$900,368
2	Water	\$55,628
3	Sewer	\$33,896
4	Change Order 1	\$107,753
5	Change Order 2 – Water Design	\$8,728
6	Change Order 2 – Sewer Design	\$5,915
7	Change Order 2 – Roadway Design	\$21,444
8	Change Order 3 – Land Acquisition	\$149,556
9	Change Order 4 – Design and Public Inv.	\$106,181
TOTAL COST		\$1,389,469

The award for construction was \$9,838,720.97. Any modifications to the project resulting in increases to prior cost estimates or potential overruns shall be communicated to Manatee County, in writing prior to initiation of work, for approval by the Contract Manager.


COUNTY may authorize, in writing, in advance, adjustments in the compensation for particular tasks established above, provided such adjustments do not exceed the maximum compensation authorized for this Work Assignment.

Partial compensation may be requested on a monthly basis for unit prices and actual hours incurred but not to exceed the percentage of the tasks completed.

**Work Assignment Number 24
Change Order No. 4**

**PROJECT TITLE: 45TH STREET E. ROADWAY IMPROVEMENTS
FROM SR 70 TO 44TH AVENUE
PROJECT ID: 6025662**

Cardno, Inc
380 Park Place Blvd., Suite 300
Clearwater, FL 33759

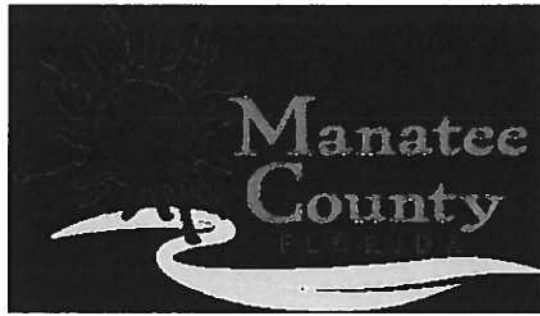
By: 
Doug Stoker, PE
Vice President

Date: March 2, 2018

COUNTY OF MANATEE, FLORIDA

By: _____
Theresa Webb, CPPO
Purchasing Official

Date: _____



ADDITIONAL SCOPE OF SERVICES

FOR

45TH STREET EAST

ROADWAY IMPROVEMENTS

(FROM SR 70 TO 44TH AVENUE EAST)

COUNTY PROJECT NO. 6025662

**CONTRACT RFP NO. 07-0759TC
WORK ASSIGNMENT NO. 24**

Prepared for:

**Public Works Department
MANATEE COUNTY GOVERNMENT
1022 26th Avenue East
Bradenton, FL 34208**

Prepared by:

**CARDNO
380 Park Place Boulevard, Suite 300
Clearwater, FL 33759**

January 18, 2018

Summary of Additional Scope of Services

Additional Services are required to prepare final plans and specifications for improvements to the 45th Street East roadway from State Road 70 (53rd Ave.) to 44th Avenue East. This is a widening of an existing roadway from 2-lanes to 4-lanes divided and includes intersection improvements for the south leg at 44th Avenue East. The project length is approximately 1.1 miles.

The additional work assignment includes providing intersection design for the 45th Street and 44th Avenue intersection, pond re-design for inclusion of the Parcel 128 and ERP modification, CCTV camera and pole design, signal modifications for Wawas, Mean High Water establishment and survey and public information and outreach services.

1.0 45th Street East and 44th Avenue East Intersection Design

Design the intersection of 45th Street East and 44th Avenue East to provide a transition design that will accommodate the 44th Avenue construction and the proposed 45th Street improvements. Design consideration include roadway geometry, sidewalk connections, drainage and signing and pavement markings. Drainage considerations include the northern leg of the intersection and western leg, which is currently under design by others. Field reviews and coordination meetings are required with the contractor constructing 44th Avenue East and the designers for the adjacent projects. Construction plans the roadway, drainage and signing and pavement markings will be provided to the Contractor constructing the 44th Avenue East project.

2.0 Pond Re-Design and Permitting

Re-design the offsite pond located west of Pro Am Avenue to include Parcel 128, which is located on the north side of the roadway at approximately Station 111+50. The culvert for the Gap Creek connection, located north east of the proposed pond will be removed and the area will be regraded to form a continuous ditch. Modification of the current permit will be required for the pond modification.

3.0 CCTV Camera and Pole Design

Incorporate into the plans a CCTV camera and pole west of Sabal Key Drive and fiber optic connection to the SR 70 intersection. The design will also require structural design for the pole. The video detection cameras at SR 70 should be replaced with Iteris Vector Advance Detection.

4.0 Re-Design for the Wawa Improvements at the SR 70 Intersection

Re-design plans to incorporate changes incurred from the signal improvements from the Wawas project. Re-design the signalization at the northeast corner of the intersection of SR 70 and 45th Street based on the new location of the mast arm. Revise the FDOT donation parcel, including the legal description and sketch, to include the new location of the mast arm.

5.0 Mean High Water Study and Boundary Determination

In order to determine the boundary for the fire station parcel, a Mean High Water Line (MHWL) Survey is required. A study is required to determine the MHWL as specified by FDEP. This task will include the requirements to complete the study and provide a survey of the MHWL determination. See Attachment "B" for detailed task items.

6.0 Public Information / Outreach Services

Provide public information and outreach services during construction of the 45th Street. See Attachment "C" for the detailed scope of services for this task.

7.0 Post Design Services

The post design service requirements for the addition scope items will be consistent with the original agreement.

END SCOPE OF SERVICES

ATTACHMENT "A"

Task Assignment Breakdown

45th Street - SR 70 to 44th Ave. East

Change Order No. 4

February 6, 2018

Summary of Project Costs

	Amount
Task 9 - Design and Public Inv.	
Intersection Design	\$15,336.00
Pond Re-Design and Permitting	\$4,464.00
CCTV Camera and Pole Design	\$4,802.00
Re-Design for Wawa Improvements	\$2,460.00
Mean High Water Study and Boundary	\$5,495.60
Public Information / Outreach	\$63,783.50
Post Design Services	\$9,840.00
Subtotal Task 9 (Design/Public Inv.)	<u>\$106,181.10</u>
Total	\$106,181.10

Attachment "A"
FEE PROPOSAL
Change Order No. 4
45th Street - SR 70 to 44th Ave. East
February 6, 2018

TASK	DESCRIPTION	Principal	Project Manager	Sr. Project Engineer	Project Engineer	Sr. Design Engineer	Design Engineer	Senior Designer	Designer	Admin Assistant	Total Hours	FEE
		\$166.00	\$144.00	\$144.00	\$108.00	\$91.00	\$73.00	\$102.00	\$75.00	\$53.00		
1.0	Intersection Design		10.0	24.0	40.0			60.0			134	15,336.00
2.0	Pond Re-Design and Permitting		2.0	12.0				24.0			38.0	4,464.00
3.0	CCTV Camera and Pole Design		2.0	8.0	8.0	14.0		12.0			44.0	4,802.00
4.0	Re-Design for Wawa Improvements		4.0	6.0				10.0			20.0	2,460.00
5.0	Mean High Water Study and Boundary											4,996.00
	Subconsultant Admin. Fee											499.60
6.0	Public Information / Outreach											57,985.00
	Subconsultant Admin. Fee											5,798.50
7.0	Post Design Services		20.0	20.0				40.0			80.0	9,840.00
GRAND TOTAL												
			2.0	8.0	8.0	14.0		12.0			44.0	106,181.10

Attachment "B"

Hyatt Survey Services, Inc.

12/27/2014

Project: 45th Street - Gap Creek Mean High Water Study and MHW Line Boundary Determination

Client: CARDNO PM: Larry Mau, PE

Task (Hours)	Principal (PSM)	Professional Surveyor (PSM)	Project Manager	Survey Technician	Admin	Field Crew (1 man)	Field Crew (2 man)	Field Crew (3 man)	Field Crew (4 man)	Fee Per Task
Hourly Rate \$/Hr.	\$138.00	\$98.00	\$86.00	\$67.00	\$41.00	\$75.00	\$89.00	\$113.00	\$131.00	
Task 3.1.7B: Perform a Mean High Water Study for Gap Creek to FDEP Specifications:										
Field Effort:										
1. Set/observe Tide Gauges: (3x)										
A. Set/place automated tide gauges at control station and two location on site; establish elevation for each gauge:							8			\$712.00
B. Observe/monitor gauges throughout data collection process over 3 day period:						9				\$675.00
C. Field locate calculated MHW elevation on affected parcels: (5x)							8			\$712.00
Office Effort:										
1. Prepare MHW Surveys per FDEP Specifications:										
A. Process tide data; Calculate MHW Line Elevation:		1	3	8						\$892.00
B. Process MHW line field location:		1	1	2						\$318.00
C. Revise parcel boundary surveys & sketches for MHWL boundary; Prepare surveys for submittal to FDEP for approval.		2	1	16						\$1,354.00
D. Preparation of Final Deliverables:		1	1	1	2					\$333.00
Total Hours	0	5	6	27	2	9	16	0	0	
Project Observations/Assumptions:										\$0.00
										\$4,996.00

Attachment "C"



SUMMARY OF TASK DESCRIPTIONS

FOR

**45TH STREET EAST WIDENING
FROM SR 70 TO 44TH AVENUE EAST
MANATEE COUNTY**

Prepared by:

**The Valerin Group, Inc.
13014 N. Dale Mabry Highway
#820
Tampa, FL 33618**

Submitted: December 5, 2017

SCOPE OF SERVICES FOR PUBLIC INFORMATION / OUTREACH SERVICES

Public information and outreach is an important aspect of a project. Public information and outreach communications provide the benefits, challenges, and impacts of a transportation project and is necessary to gaining support in the community, which leads to a successful project. VGI's goal is to serve as an extension of Manatee County by putting "boots to the ground," being proactive, and maintaining transparency at all times while communicating with stakeholders and other interested parties regarding the project. A detailed Public Information Plan is developed at the onset of the project that is tailored to meet the specific needs of the project. This is what we use as our "road map" to carry out the various communication techniques to provide project updates and notifications about construction activities, and other pertinent project-related information. A well planned public information initiative leads to transportation improvements that meet community needs and desires, provides greater acceptance of projects, promotes a sense of community, and enhances agency/client credibility.

1.0 Community Awareness Plan (CAP)

The Subconsultant will develop and implement a Community Awareness Plan that will be updated throughout the duration of the project.

2.0 Stakeholder Database Development | Maintenance

At the beginning of the project, the Subconsultant will be responsible for identifying all impacted property owners and tenants (within a minimum of 300 feet of the project corridor) for the development of a stakeholder database. In addition, the database will include city and county government officials, local law enforcement, emergency management services, fire and rescue, schools, hospitals, homeowner associations, local chambers of commerce, transit authority (if applicable), media and other interested parties. Information contained in the database will include contact information as well as documentation of all correspondence with stakeholders. The stakeholder database will be updated and maintained throughout the duration of the project.

3.0 Public Information Meeting Preparation and Attendance

The Subconsultant will organize and coordinate all activities with the project team and the County for preparation of a public information meeting anticipated to be conducted prior to the start of construction. Activities will include but are not limited to identifying an ADA compliant meeting facility, preparing meeting materials and presentations, advance notifications and advertising of meeting via press releases, distribution of meeting notices, attendance at meeting, and set up and break down of meeting. Deliverables include the initial project fact sheet, public information meeting notification, sign-in sheets to have at the public meeting, PowerPoint Presentation, if needed, meeting content information to be posted on the County's website, comment cards, meeting signage to be placed near and at public information meeting site the day of the meeting, and name badges for project and County staff attending meeting. Valerin will provide the appropriate number of staff to assist at the public information meeting. A debriefing of the public information meeting will be conducted with project staff and County staff associated with the project. Also, a summary report will be generated and provided to the County outlining specifics about the public information meeting, comments received from the public/stakeholders, along with copies of collateral materials used at the meeting.

4.0 Stakeholder Meetings

The Subconsultant will meet face-to-face with individual stakeholders and local organizations (HOAs, businesses, etc.), as needed, regarding impacts to properties caused by construction activities. A monthly report will be generated and provided to the County outlining stakeholder meeting details as well as any comment cards completed and provided to Subconsultant.

Attachment "C"

5.0 Collateral Development

Throughout the duration of the project, the Subconsultant will be responsible for the development and distribution of collateral materials such as fliers, doorhangers, advanced notifications, etc., regarding construction activities impacting property owners and the traveling public (i.e. temporary lane closures, detours, etc.). ***All deliverables will be provided to the County for review and approval prior to distribution.***

6.0 Public Information Management

The Subconsultant will perform public information activities to include attendance at progress meetings to be kept up-to-date on construction activities; distribute notifications such as doorhangers, newsletters, etc. to property and business owners, tenants and other interested parties regarding construction activities; media relations; responding to public inquiries; taking pictures of project activities; etc.

7.0 Other Meetings

The Subconsultant will attend other meetings such as agency meetings, as needed, throughout the duration of the project. Before attending other meetings such as agency meetings, the Subconsultant will be required to receive prior authorization from County staff.

8.0 Website Coordination

The Subconsultant will coordinate relevant project information to be posted to the 44th Avenue Extension Website.

END OF SCOPE OF SERVICES

STAFFING – KEY PROJECT TEAM MEMBERS

Community Outreach Specialist:

Tina Allen (Lead)
Alice Ramos
Valerie Ciudad-Real (QA/QC)

Graphic Designer:

Chuck Thompson

To: Jason Yam, PE, Cardno
 Re-Submitted 2/6/2018



Public Information/Community Outreach Services Fee Estimate
45th Street E. from SR 70 to 44th Avenue
January 2018 - June 2019

Services		Community Outreach Specialist	Graphic Designer	Hours/Task	Fee
Task	Description	\$105.00	\$100.00		
1.0	Community Awareness Plan	40		40	\$ 4,200
2.0	Stakeholder Database	40		40	\$ 4,200
3.0	Public Information Meeting (1 ea.)	8	8	16	\$ 1,640
4.0	Stakeholder Meetings	72		72	\$ 7,560
5.0	Collateral Preparation/Distribution	90	54	144	\$ 14,850
6.0	Public Information Mgmt	108		108	\$ 11,340
7.0	Other Meetings (HOA, Civic Org, etc.)	36		36	\$ 3,780
8.0	Website Coordination	72		72	\$ 7,560
Subtotal Seivces					\$ 55,130
Direct Expenses					
			Quantity	Cost Per Unit	Total Cost
Meeting Facility Rental			1	250	\$ 250.00
Reproduction/Printing (8 1/2" x 11" color, 2-sided)			2,500	0.50	\$ 1,250.00
Reproduction/Printing (roll plot 24"x36", color including mounting)			4	90.00	\$ 360.00
Reproduction/Printing (roll plot 36"x48", color including mounting)			2	100.00	\$ 200.00
Postage/Mailings			1,500	0.49	\$ 735.00
Labels			2	30.00	\$ 60.00
Subtotal Expenses					\$ 2,855.00
Total (Manhours / Fee)					\$ 55,130.00
Total Direct Expenses					\$ 2,855.00
TOTAL FEE					\$ 57,985.00