

**LOCAL AGENCY PROGRAM  
SUPPLEMENTAL AGREEMENT**

SUPPLEMENTAL NO.

2

FEDERAL ID NO. (FAIN)

D420-072-B

CONTRACT NO.

G1W16

FEDERAL AWARD DATE

04/01/2021

FPN

440811-1-58-01

RECIPIENT UNIQUE ENTITY ID SAM NO.

DLPGAUQK4LX8

Recipient, Martin County, desires to supplement the original Agreement entered into and executed on 4/21/2021 as identified above. All provisions in the original Agreement and supplements, if any, remain in effect except as expressly modified by this supplement.

The changes to the Agreement and supplements, if any, are described as follows:

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**PROJECT DESCRIPTION**

Name CR-708/SW Bridge Road Length 8.68 Miles

Termini CR-708/SW BRIDGE RD FROM CR-711/PRATT WHITNEY TO SR-5/US-1

**Description of Work:**

Milling and resurfacing of existing asphalt, widening and overlay of new asphalt on each side of the roadway along CR-708/Bridge Road from CR-177/Pratt Whitney to US-1 Federal Highway. Also includes guardrail work, striping and signage work.

**Reason for Supplement and supporting engineering and/or cost analysis:**

The Recipient has requested additional funding of \$50,428.54 to implement safety improvements in accordance with the FDOT Program Management Bulletin 22- 01, FDOT LAP Manual, Chapter 19, and the FDOT Design Manual Chapter 230. The safety improvements include construction on flush shoulder roadways with posted speeds of 50 mph and greater, permanent paving marker materials and installation of Ground in Rumble Strips in accordance with FDOT Design Manual, Chapter 210 and Audible Vibratory Treatment.

**LOCAL AGENCY PROGRAM  
SUPPLEMENTAL AGREEMENT**

**ADJUSTED EXHIBIT "B" SCHEDULE OF FINANCIAL ASSISTANCE**

525-010-32  
PROGRAM  
MANAGEMENT  
02/22

RECIPIENT NAME & BILLING ADDRESS: Martin County  
2401 S.E. Monterey Road  
Stuart, FL 34996

FINANCIAL PROJECT NUMBER: 440811-1-58-01

Page 1 of 2

PHASE OF WORK By Fiscal Year	FUNDING					
	(1) PREVIOUS TOTAL PROJECT FUNDS	(2) ADDITIONAL PROJECT FUNDS	(3) CURRENT TOTAL PROJECT FUNDS	(4) TOTAL LOCAL FUNDS	(5) TOTAL STATE FUNDS	(6) TOTAL FEDERAL FUNDS
<b>Design</b>						
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
<b>Total Design Cost</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>Right-of-Way</b>						
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
<b>Total Right-of-Way Cost</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>Construction</b>						
FY: 22021-2022 (Surface Transportation Program >200K)	\$705,106.00	_____	\$705,106.00	_____	_____	705,106.00
FY: 2022 (Surface Transportation Program Any Area)	\$2,511,188.00	\$50,429.00	\$2,561,617.00	\$29,300.00	_____	\$2,561,617.00
FY: 2022 (Local Funds)	\$29,300.00	_____	\$29,300.00	_____	_____	_____
<b>Total Construction Cost</b>	\$3,245,594.00	\$50,429.00	\$3,296,023.00	\$29,300.00	\$ 0.00	\$3,266,723.00
<b>Construction Engineering and Inspection (CEI)</b>						
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
<b>Total CEI Cost</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>(Insert Phase)</b>						
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
FY: (Insert Program Name)	_____	_____	_____	_____	_____	_____
<b>Total Phase Costs</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>TOTAL COST OF THE PROJECT</b>	\$3,245,594.00	\$50,429.00	\$3,296,023.00	\$29,300.00	\$ 0.00	\$3,266,723.00

COST ANALYSIS CERTIFICATION AS REQUIRED BY SECTION 216.3475, FLORIDA STATUTES:

I certify that the cost for each line item budget category has been evaluated and determined to be allowable, reasonable, and necessary as required by Section 216.3475, F.S. Documentation is on file evidencing the methodology used and the conclusions reached.

Mya Gray

District Grant Manager Name

Signature

Date

**LOCAL AGENCY PROGRAM  
SUPPLEMENTAL AGREEMENT**

IN WITNESS WHEREOF, the parties have executed this Agreement on the date last ascribed herein.

RECIPIENT BOARD OF COUNTY COMMISSIONERS  
MARTIN COUNTY, FLORIDA

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_

Name: Doug Smith

Title: Chairman

By: \_\_\_\_\_

Name: Steve C. Braun, P.E.

Title: Director of Transportation Development

Date: \_\_\_\_\_

Legal Review:

\_\_\_\_\_

ATTEST:

\_\_\_\_\_  
CAROLYN TIMMANN, CLERK OF THE  
CIRCUIT COURT AND COMPTROLLER

APPROVED AS TO FORM & LEGAL SUFFICIENCY:

\_\_\_\_\_  
SARAH W. WOODS, COUNTY ATTORNEY



# MARTIN COUNTY

## BOARD OF COUNTY COMMISSIONERS

2401 S.E. MONTEREY ROAD • STUART, FL 34996

DOUG SMITH  
STACEY HETHERINGTON  
HAROLD E. JENKINS II  
SARAH HEARD  
EDWARD V. CIAMPI

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Commissioner, District 2  
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TARYN KRYZDA, CPM County Administrator  
SARAH W. WOODS County Attorney  
  
TELEPHONE (772) 288-5400  
WEBSITE [www.martin.fl.us](http://www.martin.fl.us)

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May 26, 2022

Ms. ChloAnn Lawrence  
Florida Department of Transportation Treasure Coast Operations  
601 Oleander Ave.  
Fort Pierce, FL 34982

RE: FM# 440811-1-58-01 – CR708 / Bridge Rd (US-1/SR-5 to Pratt Whitney Rd)  
Change Order #1 request

Ms. Lawrence,

Martin County would like to request concurrence and funding assistance for change order #1 for 440811-1-58-01 – CR708 / Bridge Rd (US-1/SR-5 to Pratt Whitney Rd) Resurfacing Project.

Per FDOT Program Management Bulletin 22-01, attached, FDOT has requested that per LAP Manual, Chapter 19:

*All Department funded projects located on local roadway, off the State Highway System, including Local Agency Program (LAP) Class C and Class D projects, where construction will be performed on flush shoulder rural roadways with posted speeds of 50 mph and greater must include permanent pavement making materials per **FDOT Design Manual, Chapter 230** and Audible Vibratory Treatments per **FDOT Design Manual, Chapter 210**.*

Martin County is requesting funding assistance from the Florida Department of Transportation to facilitate this safety implementation for the CR708 / Bridge Rd (US-1/SR-5 to Pratt Whitney Rd) Resurfacing Project. Ranger Construction Industries, Inc. has provided a cost estimate of **\$50,428.54** for materials, crash truck and flagging operations.

This project is currently underway, and the contractor will need to be notified of FDOT's concurrence as soon as possible to make the material acquisition and reserve the equipment. Please let us know if you require additional information.

Regards,

*Kim McLaughlin*

Kim McLaughlin  
Public Works Grants Coordinator

Cc: Chris Goetzfried, Capital Projects Administrator  
Keith Baker, Sr. Project Engineer  
George Dzama, Public Works Deputy Director  
Diego Velazquez, LAP Coordinator  
Frank White, Project Administrator



MARTIN COUNTY BOARD OF COUNTY COMMISSIONERS  
CHANGE ORDER TO CONSTRUCTION AGREEMENT

PROJECT NAME: CR 708 / Bridge Road Resurfacing  
CONTRACT #: RFB2021-3324  
CONTRACT DATE: 8/24/2021

CHANGE ORDER #: 1  
CO DATE: 5/26/2022

The Contract is changed as follows:

PAY ITEM NO.	DESCRIPTION	QNTY	UNIT	UNIT PRICE	AMOUNT	Justification
0546-72-2	Ground In 8" Centerline Cylindrical Rumble Strips	6.65	GM	\$ 1,353.49	\$ 9,000.71	To provide additional safety measure required by the Florida Department of Transportation.  (102-1 MOT, 1 LS, Revision to approved MOT plan for APL listed attenuator required to install ground in rumble strips per FDOT Program Management Bulletin 22-01 dated January 13, 2022)
0546-72-3	Ground In 8" Edgeline Sinusoidal Rumble Strips	13.3	GM	\$ 2,312.15	\$ 30,751.60	
102-1	Crash truck and Flagging Operation	1	LS	\$ 10,676.24	\$ 10,676.24	
TOTAL					\$ 50,428.54	

Original Contract Sum	\$ 3,245,594.10
Net Change by Previously Authorized Change Orders	\$ -
Contract Sum Prior to This Change Order	\$ 3,245,594.10
Amount of this Change Order	\$ 50,428.54
New Contract Sum	\$ 3,296,022.64

Contract Time Increase (calendar days)  
Substantial Completion Date (Actual)

30  
Monday, September 5, 2022

RANGER CONSTRUCTION INDUSTRIES, INC

BOARD OF COUNTY COMMISSIONERS  
MARTIN COUNTY, FLORIDA

  
William Yoder  
Assistant Secretary

James Gorton  
Public Works Director



4510 Glades Cut Off Road  
Fort Pierce, FL 34981  
Phone: (772) 464-6460  
www.rangerconstruction.com

**CHANGE ORDER REQUEST No.: 1**

<b>Submitted To:</b> Martin County BCC Public Works	<b>Date:</b> 26-May-22
<b>Address:</b> 2401 SE Monterey Blvd Stuart, FL 34996	<b>Phone:</b> (772) 288-5792
<b>Contact:</b> Matt Haluck	<b>Fax:</b>
	<b>Job Name:</b> CR 708 / Bridge Road Resurfacing
	<b>Contract Number:</b> G1W16
	<b>FM#</b> 440811-1-58-01
	<b>Job Location:</b> Martin County

**BILLING REVISION DETAIL**

<u>ITEM No.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UM</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
0546-72-2	Ground In 8" Centerline Cylindrical Rumble Strips	6.65	GM	\$ 1,353.49 \$	9,000.71
0546-72-3	Ground In 8" Edgeline Sinusoidal Rumble Strips	13.30	GM	\$ 2,312.15 \$	30,751.60
102-1	Crash Truck and Flagging Operation	1.00	LS	\$10,676.24	\$10,676.24

NOTE:

ESTIMATED TOTAL = **\$50,428.54**

Days Requested

ACCEPTED:  
The above prices, specifications and conditions are satisfactory and are hereby accepted.

Owner \_\_\_\_\_

Signature \_\_\_\_\_

Date of Acceptance \_\_\_\_\_

CONFIRMED:  
Ranger Construction Industries, Inc.

Authorized  
Signature \_\_\_\_\_

Name & Title **Jake Velardo - Project Manager**

**Description:** MOT breakdown for in-ground rumble strips.

Labor	Rate/Hr	Qty.	Hours	Total
Howard Whittaker	\$ 28.85	3.00	10.00	\$ 865.50
Malcom Wilson	\$ 18.00	3.00	10.00	\$ 540.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
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				\$ -
				\$ -
				\$ -
				\$ -
Subtotal Labor Cost				\$ 1,405.50
Subtotal Burden				\$ 664.62
Total Labor Cost				\$ 2,070.02

Total Labor (10%)	\$ 2,070.02		\$ 207.00
Total Equipment (10%)	\$ 939.90		\$ 93.99
Total Materials (10%)	\$ -		\$ -
Total Subcontractor (5%)	\$ 7,014.60		\$ 350.73
<b>Total Mark-up Cost</b>			<b>\$ 651.72</b>

[illegible]

	Description	Qty.	Unit	Unit Price	Total
					\$ -
					\$ -
					\$ -
					\$ -
<b>Total Material</b>					\$ -

Description	Qty.	Unit	Unit Price	Total
Crash Truck	3.00	EA	\$ 1,500.00	\$ 4,500.00
Flagmen (Various driveways throughout project for 3 shifts - estimated 4-5 flagmen per shift)	132.00	HR	\$ 19.05	\$ 2,514.60
				\$ -
				\$ -
				\$ -
<b>Total Subcontractor</b>				<b>\$ 7,014.60</b>



Florida Department of Transportation  
Item Average Unit Cost  
From 2021/11/01 to 2022/04/30  
Statewide

Contract Type: CC  
Displaying: VALID ITEMS WITH HITS  
From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0546 72 1	11	\$1,245.83	\$367,036.30	294.613	GM	N	GROUND-IN RUMBLE STRIPS, 16"
0546 72 2	9	\$1,353.49	\$191,309.12	141.345	GM	N	GROUND-IN RUMBLE STRIPS, 8" CYLINDRICAL
0546 72 3	6	\$2,312.15	\$138,211.31	59.776	GM	N	GROUND-IN RUMBLE STRIPS, 8" SINUSOIDAL
0548 12	3	\$39.56	\$5,666,006.98	143,236.000	SF	N	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER
0548 13	1	\$.01	\$522.88	52,288.000	SF	N	RETAINING WALL SYSTEM, TEMPORARY, EXCLUDING BARRIER
0548 14	1	\$60.05	\$169,220.90	2,818.000	SF	N	RETAINING WALL SYSTEM, PERMANENT-WIDENING, ATTACHED TO EXISTING WALL
0550 10110	1	\$20.00	\$10,880.00	544.000	LF	N	FENCING, TYPE A, 0.0-5.0', STANDARD
0550 10140	1	\$33.30	\$141,624.90	4,253.000	LF	N	FENCING, TYPE A, 7.1-8.0', STANDARD
0550 10210	3	\$27.28	\$112,001.90	4,106.000	LF	N	FENCING, TYPE B, 0.0-5.0', STANDARD FEATURES
0550 10220	4	\$32.91	\$450,244.87	13,683.000	LF	N	FENCING, TYPE B, 5.1-6.0', STANDARD
0550 10221	2	\$111.47	\$28,535.07	256.000	LF	N	FENCING, TYPE B, 5.1-6.0', W/ BARB WIRE ATTMT
0550 10222	1	\$38.00	\$43,282.00	1,139.000	LF	N	FENCING, TYPE B, 5.1-6.0, W/ VINYL COATING
0550 10228	3	\$21.91	\$5,235.40	239.000	LF	N	FENCING, TYPE B, 5.1-6.0, RESET EXISTING
0550 10325	1	\$355.00	\$67,095.00	189.000	LF	N	FENCING, TYPE R, 5.1-6.0', VERTICAL
0550 10334	1	\$265.00	\$55,650.00	210.000	LF	N	FENCING, TYPE R, 6.1-7.0', PARTIAL ENCLOSURE
0550 10410	1	\$27.50	\$179,905.00	6,542.000	LF	N	FENCING, WOOD FENCE, 0.0-5.0'
0550 60111	1	\$2,000.00	\$4,000.00	2.000	EA	N	FENCE GATE, TYPE A, SINGLE, 0-6.0' OPENING
0550 60112	1	\$1,850.00	\$1,850.00	1.000	EA	N	FENCE GATE, TYPE A, SINGLE, 6.1-12.0' OPENING
0550 60222	1	\$4,000.00	\$12,000.00	3.000	EA	N	FENCE GATE, TYPE B, DOUBLE, 6.1-12.0' OPENING
0550 60224	1	\$3,500.00	\$7,000.00	2.000	EA	N	FENCE GATE, TYPE B, DOUBLE, 18.1-20.0' OPENING





## *Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.  
SECRETARY

### **Program Management Bulletin 22-01**

DATE: January 13, 2022

TO: District Directors of Transportation Operations, District Directors of Transportation Development, District Design Engineers, District Construction Engineers, District Structures Design Engineers, District Maintenance Engineers, District Consultant Project Management Engineers, District Roadway Design Engineers, District Traffic Operations Engineers, Program Management Engineers, District Materials Engineers, District Specifications Engineers, District Estimates Engineers

FROM: Stefanie D. Maxwell, P.E., Manager, Program Management Office

DocuSigned by:  
*Stefanie D. Maxwell*  
A28BFCA3708C422...

COPIES: Courtney Drummond, Will Watts, Tim Lattner, Dan Hurtado, Rudy Powell, Trey Tillander, Scott Arnold, Michael Shepard, Paul Hiers, Vern Danforth, Daniel Strickland, Alison Stettner, Lora Hollingsworth, Brenda Young, Gevin McDaniel, William Potter, Kevin Burgess (FHWA), Bren George (FHWA), Nahir DeTizio (FHWA)

SUBJECT: **Low-Cost Safety Countermeasures for Local Programs**

This bulletin introduces revisions to the FDOT *Local Agency Program Manual* (Topic No. 525-010-300) to implement low-cost safety countermeasures in project design and construction as a mandatory condition for Local Programs grant funding. Audible and Vibratory Treatments (AVT) and permanent pavement markings are two low-cost safety countermeasures that will be mandatory for local roadway projects, funded by the Department, on flush shoulder rural roadways with posted speeds of 50 mph or greater.

The requirement to use the FDOT Design Manual for locally delivered projects on the State and National Highway Systems has not changed.

### **REQUIREMENTS**

The following paragraph will be added to the FDOT Local Agency Program Manual, Chapter 19<sup>i</sup>:

All Department funded projects located on a local roadway, off the State Highway System, including Local Agency Program (LAP) Class C and Class D projects, where construction will be performed on flush shoulder rural roadways with posted speeds of 50 mph and greater must include

permanent pavement marking materials per *FDOT Design Manual, Chapter 230* and Audible Vibratory Treatments per *FDOT Design Manual, Chapter 210*.

## **BACKGROUND**

As part of the FDOT Vital Few initiative, the Department is committed to eliminating fatal and serious injuries on all roads in Florida. Lane departure is a key Vital Few Safety focus area, and the Department is committed to addressing the causes of lane departures and implementing safety improvements to eliminate fatal and serious injuries resulting from lane departure crashes. Currently, lane departures represent 33% of all crashes, yet result in 44% of all fatalities<sup>ii</sup>. A quality assurance review of Department grant funded projects on local roads was conducted in partnership between the Offices of Design and Program Management to assess if and how local agencies receiving grant funding were incorporating low-cost safety countermeasures in the projects. The review identified that local agencies are minimally including low-cost safety countermeasures in Department funded projects. The Department review also found that many local agencies are using painted pavement markings, which are recommended for temporary use and have a service life of approximately 6 to 18 months. Painted pavement markings that are not maintained properly will wear, no longer providing delineation, and can create unsafe conditions for the traveling public. The use of permanent pavement markings will enhance visibility and provide a service life of approximately 6 to 8 years for high volume roads. However, the service life could be extended to the life of the pavement, when using audible vibratory treatments in combination with permanent pavement markings.

Audible and Vibratory Treatments are the most effective countermeasure at reducing fatal and serious injury lane departure crashes. The cost to include ground-in rumble strips is approximately the same cost per mile as painted pavement markings. According to the Federal Highway Administration's Proven Countermeasures webpage, the following safety benefits may be realized with the use of rumble strips on rural two-lane roads:

- Center line rumble strips result in a 44%- 64%<sup>iii</sup> reduction in head-on fatal and serious injury lane departure crashes.
- Shoulder rumble strips result in a 13%-51% reduction in fatal and serious injury single vehicle lane departure crashes.

Included in the audible and vibratory treatments are alternative installations that result in lower noise levels for the community. Using these two low-cost safety countermeasures in combination, permanent pavement markings and audible and vibratory treatments, will provide a more durable solution with lower maintenance costs over time, and a safer traveled way.

## **IMPLEMENTATION**

The requirements of this bulletin are effective immediately on all new locally delivered grant funded projects programmed and administered by FDOT Local Programs and Planning Offices.

Program Management Bulletin 22-01  
Low-Cost Safety Countermeasures for Local Programs  
Page 2 of 2

## **CONTACT**

Lorraine Moyle  
State Local Program Administrator  
[lorraine.moyle@dot.state.fl.us](mailto:lorraine.moyle@dot.state.fl.us)  
(850) 414-4383

For questions on the FDM contact:

Gevin McDaniel  
Roadway Design Criteria Administrator  
[gevin.mcdaniel@dot.state.fl.us](mailto:gevin.mcdaniel@dot.state.fl.us)  
(850) 414-4284

SM/lmm/gjm

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<sup>i</sup> The Local Agency Program Manual is pending a name change to the Local Programs Manual and chapters will also be renumbered. When the change goes into effect, Chapter 19 will be renumbered to Chapter 17.

<sup>ii</sup> Source: <https://www.fdot.gov/safety/safetyengineering/countermeasures>

<sup>iii</sup> Source: FHWA Proven Safety Countermeasures webpage: <https://safety.fhwa.dot.gov/provencountermeasures/>