



U.S. Department
of Transportation
**Federal Highway
Administration**

New Mexico Division

July 30, 2019

4001 Office Court Drive
Suite 801
Santa Fe, NM 87507
505-820-2021

In Reply Refer To:
HFO-NM
ENG23

Mr. Michael Sandoval
Cabinet Secretary
New Mexico Department of Transportation
PO Box 1149
Santa Fe, NM 87507

Dear Secretary Sandoval:

The Federal Highway Administration, New Mexico Division Office has reviewed the New Mexico Department of Transportation's (NMDOT's) Certification of proprietary products for project CN CN S100620 and other federally funded projects citywide.


The Certification establishes the basis and justification for utilizing Sole Source proprietary Solar Powered Rectangular Rapid Flashing Beacon Assembly (RRFB). It establishes that City of Santa Fe for maintenance reason are trained to work on the requested Sole Source proprietary Solar Powered Rectangular Rapid Flashing Beacon Assembly (RRFB).

In accordance with 23 CFR 635.411 and the supporting information provided in the request, it is hereby acknowledged and approved. As established in Guidance on Patented and Proprietary Products a sunset provision must be established in order to assess changes in market conditions, technologies and re-examine the need for specifying proprietary products. Actions may be approved to extend the sunset as justified accordingly. As such the sunset established for this certification is for September 1, 2019 thru September 1, 2023 as stated in your letter on June 24, 2019.

Please note that all Buy America provisions are still required for any applicable items used on this project. Also, please follow FHWA MUTCD Memorandum – Interim Approval for Optional Use of Pedestrian-Actuated Rectangular Rapid-Flashing Beacons at Uncontrolled Marked Crosswalks (IA-21).

If you have any further questions, feel free to contact Mr. Luis Melgoza (505)820-2028 or at luis.melgoza@dot.gov.

Sincerely yours,


Luis Melgoza
Safety Engineer

For: J. Don Martinez
Division Administrator

Cc: David Trujillo, NMDOT
Lawrence Lopez, NMDOT
Denise Peralta, NMDOT
Tisha Clark, NMDOT
Sherman Peterson, NMDOT



June 24, 2019

Federal Highway Administration (FHWA)
J. Don Martinez
Division Administrator
4001 Office Court, Suite 801
Santa Fe, NM 87507

RE: Certification 23 CFR 635.411(a)(2)-Flashing Beacon, CN S100620, City of Santa Fe

Dear Mr. Martinez,

The New Mexico Department of Transportation (NMDOT) is requesting approval of a certification. The certification would allow the City of Santa Fe (COSF) to specify a patented or proprietary product for Solar Powered Rectangular Rapid Flashing Beacon Assembly's (RRFB) for CN S100620 and other federally funded projects citywide. The specific RRFB products is referenced in the attachment and the timeframe for this certification will be September 1, 2019 thru September 1, 2023.

In accordance with 23 CFR 635.411, the 2015 Stewardship and Oversight Agreement between the FHWA and the NMDOT and the supporting information provided by the COSF in their request, the NMDOT requests FHWA approve this certification.

Thank you,

David Trujillo, P. E.
Special Projects Engineer

XC: Lawrence Lopez, P.E. North Region Design Manager
Denise Peralta, P.E. North Region PDE
Sally Reeves, P.E. Construction and Civil Rights Bureau
Sherman Peterson, P.E. District 5 CLE
Luis Melgoza, FHWA Area Engineer
City of Santa Fe

**Michelle Lujan
Grisham**
Governor

Michael R. Sandoval
Cabinet Secretary

Commissioners

Jennifer Sandoval
Commissioner
District 1

Bruce Ellis
Commissioner
District 2

Keith Mortensen
Commissioner
District 3

Walter G. Adams
Commissioner
District 4

Vacant
Commissioner
District 5

Charles Lundstrom
Commissioner
District 6



June 3, 2019

David Trujillo, P.E.
New Mexico Department of Transportation
Special Projects Engineer
1120 Cerrillos Road
Santa Fe, NM 87505

RE: Certification 23 CFR 635.411(a)(2)-Flashing Beacon, CN S100620, City of Santa Fe

Dear Mr. Trujillo,

The New Mexico Department of Transportation (NMDOT) is currently in the final stages of design for CN S100620, Alta Vista Street Crosswalk improvements project. The NMDOT received HSIP funds for the safety improvements at two locations on Alta Vista Street. The NMDOT is designing and constructing these improvements within the City of Santa Fe (COSF), the NMDOT and General Services Department (GSD) right of way.

In an effort to be consistent with the existing midblock Solar Powered Rectangular Rapid Flashing Beacon Assembly (RRFB), NMDOT is requesting approval for sole source proprietary certification of the RRFB on behalf of the COSF in order to have continuity and maintainability. The NMDOT, GSD and COSF are working on an agreement for this project, once it has been built, the COSF will take ownership and maintenance of the equipment.

I, Denise Peralta, Project Development Engineer, of the NMDOT, do hereby certify that in accordance with the requirements of 23 CFR 635.411 (a)(2), that no equally suitable alternative exists for this patented or proprietary item.

Certification Documentation:

1. The RTC RRFB will benefit the public by:
 - a. Safely crossing pedestrians on Alta Vista Street at the existing marked crosswalks. Alta Vista Street is highly condensed by State employees, Santa Fe Indian School students and any other pedestrians that are riding the Railrunner.
2. Unique needs being addressed that result in no equally suitable alternative:
 - a. The COSF staff currently maintains and are trained to work on the RTC RRFB; this includes their entire inventory and spare controllers.
3. Identified safety locations or critical decision points that would justify a higher standard
 - a. These midblock locations were identified as a safe location of installation. A Traffic GAP analysis was completed.
4. Evaluation of the pool of potential projects and a description of why these products cannot meet the contracting agency's needs
 - a. The COSF has not evaluated competing brands of RTC RRFB. As mentioned, the COSF maintains this current product.

**Michelle Lujan
Grisham**
Governor

Michael R. Sandoval
Cabinet Secretary

Commissioners

Jennifer Sandoval
Commissioner
District 1

Bruce Ellis
Commissioner
District 2

Keith Mortensen
Commissioner
District 3

Walter G. Adams
Commissioner
District 4

Vacant
Commissioner
District 5

Charles Lundstrom
Commissioner
District 6

5. Estimate of additional costs, if any incurred as a result of this proprietary product requirement.
 - a. To my knowledge, no additional costs are required as a result of this product.

In summary, the NMDOT, on behalf of the COSF requests your approval to use the RTC RRFB brand on this current project and in the City limits. If you have any questions or require additional information, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DP', with a long horizontal line extending to the right.

Denise N. Peralta, P.E.
Project Development Engineer
North Region Design
505-795-0246
Denise.peralta@state.nm.us

PEDESTRIAN CROSSING SYSTEM

Solar or AC-Powered Flasher Assembly

RTC manufactures a full line of solar and AC-powered pedestrian crossing systems.

These systems can be activated by a variety of push button options or the time of day using RTC's AP22 time switch. Choose from our MUTCD compliant RRFB or a traditional 12" circular beacon. RTC is your proven supplier of solar and AC technology and traffic control systems.



Rectangular Rapid Flash Beacon or traditional 12" circular beacons available.

Pedestrian Safety Since 1987



RTC

RTC Manufacturing, Inc.

RTC-Traffic.com | contact our team at Info@RTC-Traffic.com for more information | TOLL-FREE 800.782.8721

RTC Manufacturing, Inc., 1016 Enterprise Place, Arlington, Texas 76001 | ©2014 RTC Manufacturing, Inc. All Rights Reserved.

PEDESTRIAN CROSSING SYSTEM

Solar or AC-Powered Flasher Assembly

FEATURES

- Solar and battery sizing engineered to fit your installation site
- APS or standard push-button activation
- Optional AP22 time-switch control for time of day (TOD) operation
- Optional centralized communication using RTC Connect™ software
- RRFB is MUTCD compliant
- 900 MHz communication between beacons
- Standard spun aluminum 4.5" pole and breakaway base with collar
- Multiple advance-warning beacons can be added and activated by one push of a button
- Color options to meet agency specifications
- Pedestrian signs available in yellow or fluorescent yellow-green
- Up to 6 remote flashers can exist in a pedestrian crossing system; one is typically on the opposite side of the street from the master flasher; others are often located in medians and on other areas along the side of the street
- All flashers in a network are programmed to communicate exclusively with each other, avoiding the possibility of errant radio signals triggering a flasher
- Spread spectrum, frequency-hopping radios prevent outside radio interference
- Pedestrian crosswalk push-buttons are hard-wired to the radio in the cabinet
- Highest-quality Polara™ Bulldog™ push-buttons used for activation

COMMUNICATION FLOW

))) CROSSING REQUEST INITIATED AT THE MASTER FLASHER

- When the pedestrian crosswalk button is pressed on the Master Flasher, the Master Radio transmits a signal (shown in red) to trigger the beacons on the Master Flasher and on all Remote Flashers in the network
- The beacons flash until the end of the pre-set timing master radio timing cycle — timing is field configurable

))) CROSSING REQUEST INITIATED AT A REMOTE FLASHER

- When the pedestrian crosswalk button is pressed on the Remote Flasher, the Remote Radio transmits a signal (shown in blue) to the Master Flasher; in response, the Master Radio transmits a signal to trigger the beacons on the Master Flasher and on all Remote Flashers in the network to start the flashing cycle on all Remote Flashers in the network
- The beacons flash until the end of the pre-set timing Master Radio timing cycle — timing is field configurable

