

April 13, 2026

Fairfax TAP TA20(3)  
Main Street (VT 104) Sidewalk Project



Addendum #1

The following items, attached hereto, shall be added to the Project Plans and Bid Documents or shall replace portions of the original Project Plans and Bid Documents:

- Special Specification 678-0001 – Rectangular Rapid Flashing Beacons, which was omitted from the original bid documents.
- Revised Plan Sheet 11 of 40 with 678 Item Number for Rectangular Rapid Flashing Beacon corrected.

Special Provisions Part II – Special Specifications

SECTION 678-0001 – RECTANGULAR RAPID FLASHING BEACONS

678-0001.01 DESCRIPTION. This work shall consist of furnishing and installing one or more rectangular rapid flashing beacon (RRFB) assemblies at the locations specified on the Plans and as directed by the Engineer.

The work under this section shall be performed in accordance with these provisions, the Plans, Section 675, and Section 678.

678-0001.02 MATERIALS. Materials shall meet the requirements of the following subsections.

Granular Backfill for Structures.....	704.08
Mortar, Type IV .....	707.01(e)
Aluminum Filled Silicone Sealant.....	707.11
Bar Reinforcement.....	713.01
Anchor Bolts for Signals, Lighting, and Overhead Signs .....	714.09
Flat Sheet Aluminum.....	750.03
Retroreflective Sheeting.....	750.04
Electrical Conduit .....	752.06
Traffic Signal Conductor Cable .....	752.07
Grounding Electrodes.....	752.11

Concrete shall conform to the requirements of Section 541 for Concrete, Class B.

(a) RRFB Assembly, AC-Powered. AC-powered RRFB assemblies shall consist of bases, poles, traffic signs, RRFBs, pedestrian push buttons, assembly hardware, a control cabinet, and internal wiring. Assemblies shall be single sided or double sided and have the capability to be hardwired or wirelessly interconnected with multiple RRFB assemblies at the same crosswalk. Assemblies shall meet the following requirements and be one of the products listed on the Agency's *Approved Products List*.

- (1) Bases. Bases shall be aluminum breakaway features with a hand hole that is a minimum of 8 inches by 8 inches.
- (2) Poles. Poles shall be aluminum with an outside diameter of 4-1/2 inches.
- (3) Traffic Signs. Signs shall be as specified on the Plans and in accordance with the *MUTCD*, Section 675, and the following requirements:
  - a. W11-2 pedestrian traffic signs shall have a black legend on a Type VII, Type VIII, or Type IX fluorescent yellow-green background.
  - b. W16-7pL left diagonal arrow plaques shall have a black legend on a Type VII, Type VIII, or Type IX fluorescent yellow-green background.

## Special Provisions Part II – Special Specifications

- c. W16-7pR right diagonal arrow plaques shall have a black legend on a Type VII, Type VIII, or Type IX fluorescent yellow-green background.
  - d. R10-25 pedestrian push button signs shall have a black legend on a Type IX white background.
- (4) RRFB. RRFBs shall be in accordance with the *MUTCD* for rectangular rapid flashing beacons.
- (5) Pedestrian Push Buttons. Pedestrian push buttons shall conform to the requirements of the *MUTCD*.
- (b) RRFB Assembly, Solar-Powered. Solar-powered RRFB assemblies shall be in accordance with Subsection 678-0001.02(a) and shall include solar charging panels, a control cabinet, and batteries capable of power autonomy for a minimum of 10 days without charging. The batteries used shall be readily available and not proprietary. Assemblies shall be one of the products listed on the *Agency's Approved Products List*.

678-0001.03 SUBMITTALS. The RRFB system manuals shall be submitted to the Engineer a minimum of 10 working days prior to the scheduled start of the first operations stand-alone test.

### 678-0001.04 CONSTRUCTION REQUIREMENTS.

- (a) Installation. Installation of the RRFB foundations, signs, support assembly, power supply, and testing shall be performed in accordance with the Contract, the manufacturer's recommendations, and as directed by the Engineer.

Installation of steel reinforcement shall conform to the requirements of Section 507.

Watertight breakaway electrical fuse holders shall be installed in all line and neutral conductors at the breakaway base. The Contractor shall consult with the applicable utility company prior to beginning such work.

- (b) Operations Stand-Alone Test. A 30-day test period is required for all RRFB installations. The completed RRFB installations shall be continuously operated for at least 30 calendar days in a satisfactory manner. If any equipment fails during the 30-day test period, it shall be repaired or replaced at no additional cost to the Agency. Following the repair or replacement of any equipment, a new 30-day test period shall begin.
- (c) Removing RRFB Systems. The Contractor shall remove RRFB systems as shown on the Plans. Unless otherwise shown on the Plans, removal shall include foundations to a minimum depth of 12 inches below finished grade, the posts, traffic signs, push buttons, controller cabinet if present, and solar panel if present, all other incidentals, as applicable, and filling holes and returning the area to a condition consistent with the adjacent area.

## Special Provisions Part II – Special Specifications

Foundations shall not be removed when RRFB assemblies are to be set or reset on them. Unless otherwise shown on the Plans, all material removed shall become the property of the Contractor.

RRFB systems shown on the Plans that are to be removed and salvaged, including posts, signs, push buttons, controller cabinet, solar panel, and all other equipment, shall be removed as specified herein and delivered to the locations identified in the Contract. Mounting hardware shall be in a sealed container and clearly marked with its contents. Components damaged during removal or salvaging through the fault of the Contractor, as determined by the Engineer, shall be replaced at no cost to the Agency.

RRFB systems shown on the Plans that are to be removed and reset, including posts, signs, push buttons, controller cabinet, solar panel, and all other equipment, as applicable, shall be removed as specified herein and stored as necessary until they are to be reset. Components damaged during removal or storage through the fault of the Contractor, as determined by the Engineer, shall be replaced at no cost to the Agency.

- (d) Resetting RRFB Systems. RRFB systems that are to be reset, including posts, signs, push buttons, controller cabinets, solar panels, and all other equipment, shall be reset at the locations shown on the Plans.

Reset RRFB systems shall be subject to the 30-day operations stand-alone test period specified in Subsection 678-0001.04(b).

The Contractor shall be responsible for transporting all posts, signs, push buttons, controller cabinets, solar panels, and all other equipment to and from the stockpiling location. The Contractor shall supply new mounting hardware and new foundations, as required, to reset RRFB systems.

Posts, signs, push buttons, controller cabinets, solar panels, and all other equipment damaged during resetting through the fault of the Contractor, as determined by the Engineer, shall be replaced at no additional cost to the Agency.

678-0001.05 METHOD OF MEASUREMENT. The quantity of RRFB, AC-Powered, Single Sided; RRFB, AC-Powered, Double Sided; RRFB, Solar-Powered, Single Sided; and RRFB, Solar-Powered, Double Sided to be measured for payment will be the number of each RRFB assembly furnished and installed in the complete and accepted work.

The quantity of Remove RRFB System to be measured for payment will be the number of each RRFB system removed in the complete and accepted work. A system is considered a pair of connected assemblies at a crosswalk.

The quantity of Remove and Reset RRFB System to be measured for payment will be the number of each RRFB system removed and reset to a location identified in the Contract in the complete and accepted work. A system is considered a pair of connected assemblies at a crosswalk.

Special Provisions Part II – Special Specifications

678-0001.06 BASIS OF PAYMENT. The accepted quantity of RRFB, AC-Powered, Single Sided; RRFB, AC-Powered, Double Sided; RRFB, Solar-Powered, Single Sided; RRFB, Solar-Powered, Double Sided; Remove RRFB System; and Remove and Reset RRFB System will be paid for at the Contract unit price per each at each designated location.

Payment will be full compensation for providing and installing the foundation, grounding electrode with conduit, RRFB, signs, control cabinet, any required attachment hardware, breakaway base, solar panel (if required), batteries (if required), pedestrian-activated push button; testing the RRFB; display of identification and contact information for the municipality (if required); and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Partial payments for RRFB, AC-Powered, Single Sided; RRFB, AC-Powered, Double Sided; RRFB, Solar-Powered, Single Sided; and RRFB, Solar-Powered, Double Sided will be made as follows:

- (a) The initial payment of 75% of the Contract unit price will be made upon installation of a functioning system as indicated by a successful continuous 24-hour operation test period.
- (b) The final 25% of the Contract unit price will be paid upon acceptance of the project.

The accepted quantity of Remove RRFB System will be paid for at the Contract unit price per each system at each designated location.

Payment will be full compensation for removing all components of the RRFB system, including the foundation if required, transporting the components to a designated location if the system is to be salvaged, and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

The accepted quantity of Remove and Reset RRFB System will be paid for at the Contract unit price per each at each designated location.

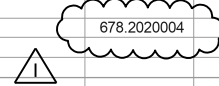
Payment will be full compensation for removing all components of the RRFB system, stockpiling, transporting the components to and from the stockpile location, resetting the RRFB system, installing new foundations if specified on the Plans, all testing required, and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
678.2020001 RRFB, AC-Powered, Single Sided .....	Each
678.2020002 RRFB, AC-Powered, Double Sided.....	Each
678.2020003 RRFB, Solar-Powered, Single Sided .....	Each
678.2020004 RRFB, Solar-Powered, Double Sided.....	Each
678.2020005 Remove RRFB System .....	Each
678.2020006 Remove and Reset RRFB System.....	Each

# QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
								1011 - ROADWAY	2051 - EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
									275	275		LF	SILT FENCE, TYPE I	653.4701	26			
									1300	1300		LF	PROJECT DEMARCATION FENCE	653.5500	20			
							1			1		LS	TREE PROTECTION	656.8500	-			
							11			11		SF	TRAFFIC SIGN, FLAT SHEET ALUMINUM	675.2000	0.75			
							75			75		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.3410	-			
							7			7		EACH	SIGN REMOVAL, FLAT SHEET ALUMINUM	675.5000	-			
							5			5		EACH	RESETTING SIGNS	675.6000	-			
							2			2		EACH	RRFB, SOLAR-POWERED, DOUBLE SIDED	678.2020004	-			



NO.	DATE	DESCRIPTION	BY	CKD
I	4/13/2026	ITEM NUMBER CHANGE	AAT	KAR

PROJECT NAME: FAIRFAX  
 PROJECT NUMBER: TAP TA20(3)  
 FILE NAME: 627000qty.dgn  
 PROJECT LEADER: K. ROBIE  
 DESIGNED BY: S. SOLLA  
 QUANTITY SHEET 2

PLOT DATE: 4/13/2026  
 DRAWN BY: O. DALMER  
 CHECKED BY: K. ROBIE  
 SHEET II OF 40