



**TOWN OF WESTWOOD  
COMMONWEALTH OF MASSACHUSETTS**

**INVITATION FOR BIDS**

**Intersection & Sidewalk Improvements Project – Various Locations – 2021**

**Bid # DPW-21-B-027**

**Addendum 01**

**February 23, 2021**

**I. GENERAL INFORMATION**

Addendum 01 extends the bid due date until 11:00 am on Monday, March 1, 2021

Addendum 01 answers the following questions:

- Q1 Is MassDOT-Highway Division required for this project?  
A1 Yes, contractors must be pre-qualified (or an officially waived contractor) with the Massachusetts Department of Transportation at the time of submitting their bid to the Town.
- Q2 What Classification of Work is this project?  
A2 Highway Division
- Q3 Can you provide the engineer's estimate?  
A3 The engineer's estimates developed using the quantities provided in the bid documents are \$1.67 million for the base bid and \$290,000 for Add Alternate #1.
- Q4 Can you provide a copy of the plan holders' list?  
A4 The Bidders List was posted to the Town website, [www.townhall.westwood.ma.us](http://www.townhall.westwood.ma.us). A copy is also attached as part of Addendum 01.
- Q5 It is unclear what the Town is looking for regarding item # 824.02: Solar-Powered Pedestrian Safety Beacon. Do you have a drawing showing what the Town is looking for? I'm used to quoting RRFB systems, but it shows that beacons are being used here with 12" LEDs and motion sensors.  
A5 The Solar-Powered Pedestrian Safety Beacon shall be a MigmaDFSB™ Beacon produced by Migma Systems, Inc. or Town-approved equivalent. Further information on the MigmaDFSB™ Beacon can be found on the attached MigmaDFSB document.
- Q6 Spec for the infrared vehicle detection/ Do you know if this spec has been addressed on any addenda? Westwood Ma- Intersection & Sidewalk Improvements  
A6 See attached MigmaDFSB™ document.



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**II. ADDENDUM 01 RECEIPT ACKNOWLEDGEMENT FORM**

**BIDDERS MUST ACKNOWLEDGE RECEIPT OF ADDENDUM WITH THE BID SUBMITTAL.**

Signature \_\_\_\_\_

Name \_\_\_\_\_  
(Please Print)

Title \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

**End of Addendum No. 1**

**DPW-21-B-027 Intersection & Sidewalk Improvements Proje  
Bidders List 02.22.2021**

**Business Name**

Aggregate Industries  
Allied Paving Corporation  
Bannon Paving  
Caracas Construction Corporation  
Century Paving & Construction Corp.  
Coastal Traffic, Inc  
Construct Connect  
Core & Main  
D&R General Contracting, Inc.  
Dagle Electrical Construction Corp.  
DEC Corp  
Fred DeRoma & Sons  
EJ Paving Co Inc  
Ellingwood Construction  
ERA Equipment, LLC  
Fletcher Granite  
Garrity Asphalt Reclaiming  
LAL Construction Co., Inc.  
Lorusso Corporation  
Mario Susi & Son, Inc.  
Newport Construction Corp  
North East Roads, Inc.  
Onvia, Inc  
P.J. Keating Company  
Ricon Construction  
Rochester Bituminous  
Sunshine Paving Corporation  
Superior Sealcoat Inc  
Tasco Construction, Inc  
TL Edwards  
Walsh Contracting Corp.



## MigmaDSFB™ Flashing Beacon for Wireless Pedestrian Detection at Midblock Crossing



The continuously flashing beacons may not necessarily attract driver's attention because they are always on and drivers get used to them already. In addition, they flash 24/7, day and night, even when there are no vehicles or pedestrians on the streets, which might also introduce the visual noises to the residents living nearby.

Migma Systems has developed an alternative product, Distributed Sensing Flashing Beacon (DSFB). The sensor receiver is embedded inside the housing of flasher, drawing power from solar panel or solar battery. Using solar-powered detector, it flashes only when pedestrians who are waiting at midblock curb are detected. Otherwise, it is off! The sensor response time is about 1 second. Moreover the detector and beacon flasher can be installed on different poles or posts.

### Specification

#### Beacon Flasher

- △ Diameter 12" (amber or red)
- △ LED Quantity 138
- △ Luminous Intensity ≥ 4000 cd
- △ LED Lifetime 5.5 Years
- △ Visual Distance ≥ 1600 ft
- △ Operating Time 10 rainy days after fully charged
- △ Dimension 15"x5"x14"
- △ Weight 14 lb.
- △ Enclosure Protection IP65
- △ Material UV-stabilized polycarbonate
- △ Flashing Mode Pedestrian- or timer-activated

#### Solar Panel

- △ Solar Panel Power 20 W
- △ Battery Capacity 12 VDC & 18 aH lead-acid battery
- △ Solar Panel Size 14"x13"

#### Vehicle Detector

- △ Sensor PIR motion sensor
- △ Sensing Range 30 ft (sensor to vehicle)
- △ Comm Distance 1500 ft (sensor to beacon flasher)
- △ Sensor Quantity Up to 4 sensors simultaneously
- △ Sensor Power Solar panel and 18650 Li-battery

Some vehicle drivers can be easily distracted by devices such as smart phones while driving. These distractions, caused by their devices, are well documented, rising cause of pedestrian and/or vehicle accidents and sometimes fatalities. Migma Distributed Sensing Flashing Beacon can make a difference! (*patent pending*)



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