

# REQUEST FOR QUOTATION

CITY OF WINTER HAVEN

" An Equal Opportunity Employer"

RFQ-11-58

Please return quote to:  
City of Winter Haven  
Procurement Service Division  
401 6th St  
Winter Haven, FL 33880

For additional information and clarification contact:

Department Name:

Community Services

Public Services Div.

Contact Person:

Joe Hamric

Terrence Nealy

Telephone #:

863-291-5852 or 291-5756

DATE ISSUED: 5/17/2011

Please quote on the following items:

**Bid Notes:** The City reserves the right to make award(s) on a per item basis, or by groups of items, or in any combination thereof this is deemed to be in the best interest of the City of Winter Haven. The City request quotations for three items Truncated Dome Brick Pavers only, Installation of Brick Pavers only and a combination of all materials, equipment, tools and labor necessary for the installation of detectable warning pavers per existing curb ramp at locations specified in the attached bid documents or as directed by the Project Manger. All work shall be in accordance with the attached specifications.

Item	Quantity	Description: <b>Curb Ramp with Detectable Warning Pavers. Location: Downtown District Winter Haven, FL</b>	Unit Cost	Total Cost
A	3,627	4" x 8" x 2 1/4" thick, Detectable Warning / ADA Truncated Dome Brick Pavers - Color Gray, Federal Color No. 26280 or approved by City.(Pavers Only)	\$	\$
B	84 locations	Installation of Detectable Warning Pavers to an existing brick paver Curb Ramp ( <b>include labor and equipment only</b> ). Per Curb Ramp	\$	\$
C	84 locations	Installation of Truncated Dome Brick Pavers to an existing brick paver Curb Ramp ( <b>to include labor, materials and equipment</b> ) Per Curb Ramp	\$	\$

Prices must be valid for 90 days.

Procurement Services Division Director: 

DELIVERY WANTED: Within 10 days of ARO

We offer to sell you as above F.O.B., Winter Haven, Florida. Delivery can be made in \_\_\_\_\_ days from receipt of order.

**Quotation must be received NO LATER THAN 2:00 P.M., June 3, 2011**

to: **Procurement Services Division, address above or FAX TO 863-291-5666**

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

\*\*COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/STATE \_\_\_\_\_

PHONE: \_\_\_\_\_

FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_

**W-9 MUST BE ATTACHED TO THE RFQ WHEN RETURNED BY THE RESPONDING VENDOR.**

**\*\*PAYMENT WILL BE RENDERED TO THE NAME AND ID APPEARING ON THE W-9.**

Chain of Lakes City  
*Centennial*



*Celebration*  
1911 - 2011

Listed below are locations and number of curb ramps needing retrofitted:

Central Avenue Corridor:

- Central Avenue and 1<sup>st</sup> Street, one curb ramp - NW corner only
- Central Avenue and 2<sup>nd</sup> Street, NW, entire intersection – 8 curb ramps
- Central Avenue Mid-Block crossing (between 2<sup>nd</sup> & 3<sup>rd</sup> Street) – 2 curb ramps
- Central Avenue and 4<sup>th</sup> Street, NW, entire intersection – 8 curb ramps
- Central Avenue and 5<sup>th</sup> Street, NW, entire intersection – 8 curb ramps

**Total Curb Ramps 27**

2<sup>nd</sup> Street Corridor:

- 2<sup>nd</sup> Street, NW and Avenue B, NW, entire intersection – 8 curb ramps

**Total Curb Ramps 8**

3<sup>rd</sup> Street Corridor:

- 3<sup>rd</sup> Street, SW and Avenue A, SW, entire intersection – 8 curb ramps
- 3<sup>rd</sup> Street, NW and Avenue A, NW, entire intersection – 8 curb ramps
- 3<sup>rd</sup> Street, NW and Avenue B, NW, entire intersection – 8 curb ramps
- 3<sup>rd</sup> Street, NW and Avenue C, NW, entire intersection – 8 curb ramps

**Total Curb Ramps 32**

4<sup>th</sup> Street Corridor:

- 4<sup>th</sup> Street, NW and Avenue A, NW, 6 curb ramps – NW, NE & SE corners
- 4<sup>th</sup> Street, NW and Avenue B, NW, 2 curb ramps – SW & SE corners
- 4<sup>th</sup> Street Parking area and Avenue A, SW, one curb ramp

**Total Curb Ramps 9**

5<sup>th</sup> Street Corridor:

- 5<sup>th</sup> Street, NW and Avenue A, NW, 6 curb ramps – NE, SW & SE corners
- 5<sup>th</sup> Street, NW and Avenue B, NW, 2 curb ramps – SW & SE corners

**Total Curb Ramps 8**

City of Winter Haven, Florida  
Public Services Construction Specifications

## **DETECTABLE WARNING BRICK PAVERS**

### **SANDSET METHOD**

#### SECTION 01 GENERAL

##### 1.1 SUMMARY

###### A DESCRIPTION OF WORK

This work shall consist of furnishing all material, equipment, tools and labor necessary for the replacement of regular brick pavers at existing curb ramp with Detectable Warning Brick Paver complete and ready for service at location(s) specified in the specifications. All work shall be in accordance with the details or standards included with the Specifications or as directed by the City.

###### B GENERAL REQUIREMENTS

1. The Contractor shall furnish all labor, materials and equipment necessary to place brick pavers in all areas as listed in the Specifications and as marked in the field.
2. All materials and workmanship shall be in accordance with the manufacture's guidelines and City of Winter Haven's "Public Services Construction Specifications". Where discrepancies occur, the most stringent specifications shall govern.
3. One copy of all delivery tickets shall be provided to the City Project Manager on a daily basis.
4. It shall be the responsibility of the Contractor to dispose of all unsuitable excess material. No construction debris or other material, including equipment and vehicles, shall be stored on any City street overnight.
5. The Contractor shall keep all work areas clean and shall clean any areas immediately when so directed by the City. No excess or unsuitable material shall be left on the job site after work is completed in the area.
6. The Contractor shall furnish all necessary lighted barricades and signing as directed by the City's inspector/engineer. All signing and barricades shall conform to Florida Department of Transportation specifications.

7. The Contractor is responsible for the maintenance of the brick pavers from the time of installation until the project is complete. Any vandalism of newly installed brick pavers shall be replaced or repaired at the Contractor's expense.
8. All property owners shall be provided ingress and egress during construction.
9. Any weekend work must be approved by the City. A written request must be submitted to the City at least five (5) days prior to any weekend work. No Construction work is allowed on holidays.
10. Restoration of all property and/or damage during construction shall be completed immediately.
11. The City reserves the right to add to the Scope of work with no change in the unit price bid for the time period stated in the contract.
12. Any time extensions requested as a result of severe weather shall be agreed to in writing by both the City and Contractor.
13. "No Parking" signs will be provided and installed by the Contractor. The Contractor shall give the business owners and City Project Manager 48 hours notice prior to any work being done in the area to ensure coordination with the City of Winter Haven Police Department. The Contractor shall install signs at least 24 hours prior to commencement of work. The Contractor will be responsible for removing the "No Parking" signs after work has been completed.

#### C TIME OF COMPLETION

1. Work is to begin within ten (10) days of receipt of Notice to Proceed.
2. Work shall be completed within thirty (30) calendar days.
3. Contract time will not be extended unless weather hinders the progress of the work.

#### 1.2 REFERENCES

##### A. American Society of Testing Materials (ASTM):

1. C902 Standard Specification for Pedestrian and Light Traffic Paving Brick.
2. C1272 Standard Specification for Heavy Vehicular Paving Brick.
3. C136 Method for Sieve Analysis for Fine and Coarse Aggregate.
4. C67 Method of Sampling and Testing Brick and Structural Clay Tile.

5. C33 Specification for Concrete Aggregates (Bedding Sand Requirements).
6. C144 Standard Specification for Aggregate for Masonry Mortar (Joint Sand Requirements).

### 1.3 QUALITY ASSURANCE

- A. Installation shall be by a contractor and crew with at least (1) year of experience in placing concrete pavers on projects of similar nature or dollar cost.
- B. The successful bidder must furnish within 48 hours of award, proof of General Liability, Workers Compensation and Automobile coverage of at least \$500,000.00, with the City of Winter Haven named as additional insured.

### 1.4 SUBMITTALS

- A. Submit shop or product drawings and product data for installation.
- B. Submit samples of Detectable Warning brick paver units to indicate color and size selections.
- C. Submit sieve analysis for grading of bedding and joint sand.
- D. Submit test results for compliance of paving unit requirements to ASTM C 902 or ASTM C 1272 from an independent testing laboratory.
- E. Submit installer qualifications: provide satisfactory evidence that the installer complies with the qualifications set out in section 1.3.
- F. Schedule & Work Plan: submit a detailed schedule and work plan.

### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver Detectable Warning brick pavers to the site in steel banded, plastic banded, or plastic wrapped cubes or on pallets capable of transfer by fork lift or clamp lift. Unload pavers at job site in such a manner that no damage occurs to the product.
- B. Sand shall be covered with waterproof covering to prevent exposure to rainfall or removal by wind. The covering shall be secured in place.

### 1.6 ENVIRONMENTAL CONDITIONS

Do not install sand or pavers during heavy rains.

## SECTION 02 PRODUCTS

### 2.1 DETECTABLE WARNING/ ADA TRUNCATED DOME BRICK PAVERS

- A. Brick pavers may have spacer bars on each unit (if “English Edge” paver is specified). These insure a minimum joint width between each unit in which the sand is placed. Spacer bars help prevent contact of the edges with adjacent pavers and subsequent chipping. Manually installed pavers may be installed with or without spacer bars.
- B. Brick pavers shall be A Grade pavers manufactured/supplied by a member of the Brick Institute of America (BIA).
- C. Product shape, overall dimensions and thickness of the paver(s) used shall be: **Standard Pavers – 4” x 8” x 2 1/4” thick; Color – Gray, Federal Color No. 26280 or approved by the City.**
- D. Pavers shall meet the following requirements set forth in ASTM C 902, Specification for Pedestrian and Light Traffic Paving Brick or C 1272 Specification for Heavy Vehicular Paving Brick.
  - 1. The dimensional tolerances around the mean values for length, width and depth shall be 1/16”.
  - 2. The pavers should be solid units without core holes or other perforations.
  - 3. The pavers shall be in compliance with applicable Americans with Disabilities Act Accessibility Guidelines (ADAAG) and American with Disabilities Act (ADA) regulations with regard to detectable warning surfaces.

### 2.2 BEDDING AND JOINT SAND

- A. Bedding and joint sand shall be clean, non-plastic and free from deleterious or foreign matter. The sand shall be natural or manufactured from crushed rock. Grading of samples shall be done according to ASTM C136. The particles shall be sharp and conform to the grading requirements of ASTM C33 as shown in Table 1.

**Table 1**

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Grading requirements for Bedding and Joint Sand

Sieve Size	Percent Passing
3/8 in	100
No. 4	95 to 100

No. 8	80 to 100
No. 16	50 to 85
No. 30	25 to 60
No. 50	10 to 30
No. 100	2 to 10

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## SECTION 03 EXECUTION

### 3.1 EXAMINATION

- A. Verify that the existing bed of sand is dry, uniform, even and ready to support pavers and imposed loads.
- B. Verify gradients and elevations of sand bed are correct.
- C. Beginning of installation means acceptance of sand bed elevations and the condition of the bed of sand.

### 3.2 INSTALLATION

- A. For installations on an existing concrete base, remove existing brick pavers to create an open area large enough to except a minimum of eight (8) square feet of Detectable Warning pavers within the curb ramp area. Place Detectable Warning pavers onto the existing bed of sand and fill joints with joint sand. If the existing sand bed has been disturbed or is wet, contractor shall remove the sand and spread an appropriate level of bedding sand over concrete base.
- B. Spread the sand evenly over the concrete base and screed form 1 to 1½ inches thickness. The screeded sand should not be disturbed. Sufficient sand shall be placed to ensure that no delay occurs in laying pavers. The screeded bedding sand shall not be subjected to any traffic by either mechanical or pedestrian use.
- C. Ensure that pavers are free of foreign materials before installation.
- D. Lay the pavers in a running bond pattern or as shown on the Installation Diagrams. The pavers should be laid hand tight. Maintain straight pattern lines and adjust as necessary. The contractor should be aware that the tip surface of the pavers may be 1/8 to 1/4 inch above the final elevations after compaction. This difference in initial and final elevations is to compensate for possible minor settling.
- E. Joints between the pavers shall be between 1/16 inch and 1/8 inch (2 to 3 mm) wide.

- F. Fill gaps at the edges of the paved area with cut pavers or edge units. Cut pavers to be placed within the boundaries of the pavers using a masonry saw and in such a manner that no segment is smaller than one quarter of a full paver.
- G. Use a low amplitude, high frequency plate vibrator capable of 3000 to 5000 lbs. centrifugal compaction force to vibrate the paver into the sand. Vibrate the pavers, sweeping dry sand into the joints and vibrating until they are full. This will require at least two or three passes with the vibrator. Do not vibrate within three feet of the unrestrained edges of the paving units. (A plate vibrator is not recommended for straight edge pavers, instead use a hand-tamp and board method for compaction.)
- H. Sweep off excess sand when the job is complete. Contractor shall return to the site one month after installation is complete to inspect sand in joints. Contractor is responsible for adding additional sand to fill joints where necessary.
- I. The surface elevation of pavers shall be 1/8 to 1/4 inch above adjacent drainage inlets, concrete collars or channels.

### 3.3 FIELD QUALITY CONTROL

After removal of excess sand, check final elevations for conformance to the drawings and/or specification.

### 3.4 PROTECTION AND CLEAN UP

#### A. Protection:

- 1. Protect work from damage, discoloration and theft.
- 2. All vehicles and equipment operating on the completed pavers shall be maintained in a clean condition, so that oil, tar, rubber or other matter is not deposited on the surface of the pavers or adjacent paving and features.

#### B. Clean up:

- 1. All materials generated by construction work in this section shall be removed at the end of each section of the work and the site shall be left in a clean and safe condition.

2. After completion of any repair or new construction work, clean all exposed surfaces with clean water and stiff brushes until all stains and dirt are removed. Use cleaning solutions only that are recommended by the paver manufacturers and do not use wire brushes.

### 3.5 MAINTENANCE/ WARRANTY

#### A. Repairs:

1. Repair or replace any damaged work to the original specified condition prior to completion.
2. Where lateral displacement of the pavers has occurred adjacent to paver edges the cut pavers shall be replaced with new pavers of the correct size to comply with the specified joint widths and the surface shall re-established.

- B. Maintenance/ Warranty: The installer shall return to the site at the City's request over a period of one year from project completion to rectify any problems in the work caused by its failure to adequately align the pavers, compact the bedding sand or fill the joints.

End of Section

# Detectable Warning Pavers Installation Diagrams

## 1. SAND SET INSTALLATION

