T5578 Orange Avenue Widening

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- $3.3 million widening project – only 0.231 miles long
- Contractor = Masci General Contractors, Inc.
- Significant amount of UWHCA work w/ Orange Co & OUC
  - A lot of work under existing AND proposed sidewalk

What is Mobi Mat?

- ADA compliant plastic mat
- Made of recycled plastic bottles
- Variety of lengths and widths

Roll Dimensions*			Roll weight (lbs)
Width (ft)	Lenght (ft)	Diameter in)	
5	16.5	12	22
	33	14	45
	50	16	68
	82	18	111
	100	20	135
6.5	16.5	12	29
	33	14	58
	50	16	88
	82	18	144
	100	20	176

How To Obtain Mobi Mat?

- Order straight from the website!
- Added to this project via Work Order

F.A.P. No. 8815015U Road No. SR 527

Contractor Masci General Contractor, Inc.

DESCRIPTION OF WORK:
Procure, install, and maintain 600' long by 5' wide Mobi-Mat from station 572+20 RT to station 580+00 RT. The installation will take place where pedestrian pathways need to be maintained on the north side pathway going parallel with the SR 527 (Orange Ave).The Contractor is to ensure that the pathway that is created by the Mobi-Mat will be in compliance with ADA at all times. After construction is completed the Contractor will return the Mobi-Mat to Orlando Operations.

REASON:
The purpose of the installation is to test out the Mobi-Mat as an additional option for providing ADA pathways throughout construction limits. This is considered an extra work in accordance with Standard Specification 4-3.2

Revised Plan Sheet Nos. NA

Granted time due to delays to controlling items of work shown on approved work schedule: 0 days

TOTAL COST OF WORK: $33,111.38 Premium Cost[1]: $0.00

Amount to be paid from Lump Sum Contingency S.A. or Pay Item shown above: $33,111.38

Work described results from a Design Error or Omission: ☐Yes ☒No

- Single 50’ Section installed
- Tied into temporary asphalt path on each end

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- Used temporary asphalt to keep this end in place and provide an ADA compliant transition

- 2 - 50’ Sections installed together
- Ties together with hardware that is provided with the mat

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- Ties together with hardware that is provided with the mat

Fig. 5

Contractor's Feedback

- Light and easy to move in and out of position
- Easy to connect the pieces
- If not pulled tight, the edges don't lay flat
- Effort is needed to tie into existing sidewalk

Advantages

- Easy to install
- Quick to maintain
- Easy to move
- Quicker than temporary asphalt
- Durable
- Reusable!!

Disadvantages

- Needs to be installed on properly compacted surface/material
- Still need to maintain
- Not the cheapest if not reused multiple times
- Connection joints may create more than ¼” bump

Conclusion

If used in the proper situations, locations, and properly maintained, this is a great product!!

- Website: http://www.mobi-mat.com/
- Informational Flyer
- Installation Flyer