REPLACING EXISTING DAMAGED SIDEWALKS CITYWIDE

Project submitted for Surtax Funding for Rehabilitation and Maintenance Surtax Projects

PROJECT PORTFOLIO

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**HALL-004 Replaced Existing Damaged Sidewalks**

**Scope of Services and Multimodal Components**


**Scope:**

It is recommended that new and re-replacement sidewalks are constructed four inches (4”) thick with a minimum width of five feet. Within RAC Districts, sidewalk width of eight feet (8”) to ten feet (10”) is recommended. Sidewalks installed through driveways or subject to vehicular traffic, shall be minimum six inches (6”) thick. The sidewalks should be installed within the public Right-of-Way, with the back edge of the sidewalk located at the property line. Also, the installation of bio-barriers is recommended adjacent to the existing shade trees and new sidewalks.

At the BODR Report there were reported a total of four hundred ninety (490) ADA access ramps missing, along with ninety-seven (97) in need of replacement due to damage or deficient slope/width. Also, there are 212 existing ramps with stamped truncated domes not meeting current DOT Standards along with 241 ramps missing truncated domes.

Next table contains the summary of recommended Sidewalk improvements for this Surtax Cycle.

<table>
<thead>
<tr>
<th>Repair Category</th>
<th>Unit</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Damaged Sidewalk</td>
<td>LF</td>
<td>2,124</td>
</tr>
<tr>
<td>Install Sidewalk</td>
<td>LF</td>
<td>36,000</td>
</tr>
<tr>
<td>Replace ADA Ramps Damaged or with Deficiencies</td>
<td>EA</td>
<td>97</td>
</tr>
<tr>
<td>ADA Ramps missing</td>
<td>EA</td>
<td>587</td>
</tr>
<tr>
<td>Replace and Install Truncated Domes at ADA Ramps</td>
<td>EA</td>
<td>453</td>
</tr>
</tbody>
</table>

With the Maximum Budget for the R&M Project we can repair most of the existing damaged sidewalks, as well as we will have enough resources to install ADA Ramps along the below locations, and many other sites to be determined in the design phase and inspection of each specific site, activity that will take place within the first 30 days, using the ADA missing Ramps data as it is shown on BODR, 2016 Maps.

VI-13, VI-14, VI-15, VI-16: Existing ADA Ramps, Condition Inventory

VI-17: Proposed Sidewalk Plan

VI-18 Bicycle lanes
1. NE 12th Ave, From Hallandale Beach Blvd to Atlantic Shores Blvd on both sides of the roadway.
2. Atlantic Shores Blvd, From NE 14th Ave., to NE 8th Ave.
3. SE 4th Ave., from Hallandale Beach Blvd to SE 2nd Street
4. SE 2nd Street, From SE 3ed Ave to Old Federal Hwy.
5. NW 10 Street, From NW 1st Ave to NW 6th Avenue
6. NW 9th Street, from NW 1st Ave to NW 6th Ave.
7. NE 1st Street, from Federal Hwy to NE 6th Ave.
8. NE 1st Ct, from Federal Hwy to NE 6th Ave.
9. NE 1st Court from NE 1pth Ave to NE 12th Ave.

Multimodal Components

The two projects submitted by the City of Hallandale Beach, HALL-003 Crosswalk Upgrades, and HALL-004 Replaced Existing Damaged Sidewalks are addressing not only the repairs of the deficiencies on sidewalks, and ADA Ramps to facilitate the pedestrian movements, from the residential areas located in the NE and SE to the commercial areas located along Hallandale Beach Boulevard, and Federal Highway. The maintenance and repairs proposed on the crosswalk in almost all intersections along Hallandale Beach and Hallandale Beach Boulevard will increase security, and safety for Pedestrians and Bicycle Riders along our main highways.
PLAN - DRIVEWAY WITH SIDEWALK SETBACK FROM UNCURBED ROADWAY

Radius determined by driveway type per Broward County Land Development Code.

SECTION A-A

Curb drop width dependent on driveway type per Land Development Code.

For curved driveway radius shall be determined by driveway type per Land Development Code.

PLAN - DRIVEWAY WITH SIDEWALK ADJACENT TO CURBED ROADWAY

BROWARD COUNTY
HIGHWAY CONSTRUCTION
AND ENGINEERING DIVISION

DRIVEWAY, SWALE & SIDEWALK - DETAILS

Approved by:  
Revised: 6/5/92  VRH

B 15

NOTE:

1. SIDEWALK AND DRIVEWAY ON STREET SIDE OF R/W LINE SHALL BE 9" MINIMUM CONCRETE (5000 PSI) WITH NO REINFORCEMENT.
2. MATERIAL BELOW SIDEWALKS AND SWALES SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY, PER AASHTO T-180.

A 16
<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>ITEM DESCRIPTION</th>
<th>QUANTITY</th>
<th>UNITS</th>
<th>UNIT PRICE</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Design and Survey (10%)</td>
<td>1</td>
<td>LS</td>
<td>$212,265.00</td>
<td>$212,265.00</td>
</tr>
<tr>
<td>2</td>
<td>Mobilization (Includes all preparatory work and operations in mobilizing for beginning work on the project, including, but not limited to, those operations necessary for the movement of personnel, equipment, and supplies. (5%)</td>
<td>1</td>
<td>LS</td>
<td>$106,132.50</td>
<td>$106,132.50</td>
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<tr>
<td>3</td>
<td>SIDEWALK REPLACEMENT: Furnish all material, equipment, and labor necessary to install 6-inch thick concrete sidewalk. The unit price shall include sawcutting, removal, and disposal of existing concrete sidewalk; supply and placement of concrete pavement; removing surplus material, and cleaning up the site.</td>
<td>36,000</td>
<td>LF</td>
<td>45</td>
<td>$1,620,000.00</td>
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<td>4</td>
<td>ADA CURB RAMP REPLACEMENT: Furnish all material, equipment, and labor necessary to install curb ramps, meeting ADA requirements and specification. The unit price shall include sawcutting, removal, and disposal of existing concrete sidewalk; supply and placement of concrete pavement; removing surplus material, and cleaning up the site.</td>
<td>587</td>
<td>EA</td>
<td>810</td>
<td>$475,470.00</td>
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<tr>
<td>5</td>
<td>ADA TRUNCATED DOME/DETECTABLE WARNING MAT: Furnish all material, equipment, and labor necessary to install truncated domes, meeting ADA requirements and specification. The unit price shall include supply and placement of truncated dome/detectable warning mat; removing surplus material, and cleaning up the site.</td>
<td>453</td>
<td>EA</td>
<td>60</td>
<td>$27,180.00</td>
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<td>6</td>
<td>Maintenance of Traffic (15%)</td>
<td>1</td>
<td>LS</td>
<td>$318,397.50</td>
<td>$318,397.50</td>
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<td>7</td>
<td>Contingency (10%)</td>
<td>1</td>
<td>LS</td>
<td>$212,265.00</td>
<td>$212,265.00</td>
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<td>TOTAL AMOUNT ITEMS 1-7</td>
<td></td>
<td></td>
<td></td>
<td>$2,971,710.00</td>
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</table>

PREPARED BY: PETER A. KUNEN, P.E., CITY ENGINEER
| Phase I - Project Planning Design and Engineering | August 1, 2020 | 60 | September 30, 2020 |
| Phase II - Bidding and Contracting Phase | September 30, 2020 | 90 | December 29, 2020 |
| Phase III - Construction Phase | December 29, 2020 | 185 | July 2, 2021 |
| Phase IV - Project Closeout | July 2, 2021 | 30 | August 1, 2021 |
| **Total Duration** | **365** |
HALL-004 REPLACING EXISTING DAMAGED SIDEWALKS

METHOD TO PERFORM WORKS

As 05/16/2020, The City of Hallandale estimates that the project will be performed by a contractor. The City of Hallandale Beach will open Public RFP Bidding Process to contract works for HALL-004 Replacing Existing Damaged Sidewalks, that will be financed with Surtax funding, following County, and City regulations as established at the corresponding ILA.

The city of Hallandale Procurement Department will ensure that a Competitive Bid and Requests for Proposals (RFP) are prepared, issued, evaluated, and awarded. The use of State of Florida and other governmental entity contracts and Bids is also recommended. The Department processes purchase requisitions and issues City purchase orders and monitors City bidding and purchasing procedures to ensure compliance with legal and other requirements.

The amount of the Contract will be the budgeted amount determined in a Bidding Process up to a maximum amount of $ 2,971,710.00

The city of Hallandale Beach will include in the RFP documents the Broward County adopted regulation of a 30% participation goal for Certified County Business Enterprise (CBE) firms for all eligible projects funded by the Broward Transportation Surtax.

The city Procurement Department will contact Broward County Economic and Small Business Development to follow regulations to be included in the RFP’s
Roadways & Sidewalks

Introduction

Sidewalks

Existing Sidewalks

1. Developing recommendations for sidewalk improvements, including:
   - Developing a recommendation for sidewalk improvement
   - Developing a recommendation for sidewalk improvement
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2. Scope of Services

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3. Purpose

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4. Implementation

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Highway conditions

Highway conditions, including the presence of obstructions, weather, and other factors, may impact the flow of traffic. The road surface condition and the presence of any obstructions should be considered when assessing the impact on traffic flow.

Traffic Volume

Traffic volume refers to the number of vehicles passing a particular point during a given time period. It is an important factor in determining the capacity of a roadway and the potential for congestion.

Accommodated Improvements

The proposed improvements include the addition of new lanes, which will allow for increased capacity and reduced congestion. The improvements are expected to result in improved traffic flow and reduced travel times.

ADT Access Maps

The ADT access maps provide an illustration of the current traffic patterns and future traffic projections. The maps are useful in determining the potential impact of the proposed improvements on traffic flow.

Existing Drainage Systems

The existing drainage systems should be considered in the design of the proposed improvements to prevent flooding and other related issues. The existing systems should be evaluated to ensure they are adequate to handle the increased traffic volume.

New Sidewalks

The proposed new sidewalks will improve pedestrian safety and accessibility. The sidewalks should be designed to accommodate the anticipated increase in pedestrian traffic.

Conclusion

The proposed improvements are expected to result in significant improvements to traffic flow and pedestrian accessibility. The project is expected to be completed within the next 12 months, and the results will be monitored to ensure their effectiveness.
HALL-004 REPLACING EXISTING DAMAGED SIDEWALKS

NE 12th Ave, From Hallandale Beach Blvd to Atlantic Shores Blvd on both sides of the roadway.
SE 4th Ave., from Hallandale Beach Blvd to SE 2nd Street
SE 2nd Street, From SE 3rd Ave to Old Federal Hwy.
NW 10 Street, From NW 1st Ave to NW 6th Avenue
NW 9th Street, from NW 1st Ave to NW 6th Ave.
NE 1st Street, from Federal Hwy to NE 8th Ave.
NE 1st Ct, from Federal Hwy to NE 8th Ave.
NE 1st Court from NE 10th Ave to NE 12th Ave.

The total amount of sidewalks from DODR is 225,000 LF and the budgeted works are for 35,000 LF.

I think that with those visited sites we have enough to cover our budget.