Construction Plans

For

Francis Marion University

Def. Maint: Roads, Parking Lots, Sidewalks, Walkways-Ramps, Sidewalks & Lot B

State Project No: H18-9584-MJ-B1

Contact: Taylor Hucks
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Email: Taylor.hucks@fmarion.edu

Prepared by:
Chao & Associates, Inc.
Consulting Engineers
C & A #: 392912-22

TABLE 1  FLOOD HAZARD INFORMATION & FLOOD LOADS

<table>
<thead>
<tr>
<th>Flood Zone</th>
<th>Community Number</th>
<th>Panel Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>450076</td>
<td>45041C0167E</td>
</tr>
</tbody>
</table>

Is the Project Site in a 100-Year Floodplain? Yes
Base Flood Elevation (NGVD or FIRM) N/A
Design Flood Elevation (IBC 1612.3 and ASCE 24) N/A

Erosion and Sediment Reduction/Stormwater Management

Designer's Certification: I hereby certify that the measures in this plan are designed to control erosion, retain sediment on the site, and manage stormwater in a manner that neither any on-site nor off-site damage or problem is caused or increased, and that all provisions of the floodplain regulations contained in Chapter 72, Article 2, SC Code of Regulations, for Erosion and Sediment Reduction, and Stormwater Management Regulations are in compliance.

Engineer Date

Chao & Associates, Inc.
Civil - Structural - Survey
7 Clusters Court
Columbia, SC 29210
Voice: (803) 772-8420
Fax: (803) 772-9120
Email: consult@chaoinc.com

03-13-23
Mill and Re-Pave Procedure:

1. Mill and re-pave existing asphalt section to pavement rehabilitation process.
2. Roll mill selected area to 1.5" depth.
3. Place SCDOT 1.5" compacted depth of Type C HMA Surface Course or approval.
4. Clean milled surface, haul away debris, square all corners and edges.
5. Seal all joints and edges with hot liquid asphalt.
6. Apply a SCDOT approved asphalt emulsion tack coat to provide a bond between milled surface and new pavement.
7. Restore driveway and parking striping and markings as required.
8. Install inlet protection.
9. Existing signs to remain in place.
10. Existing light poles and signages will remain in place. Contractor is cautioned that the location and/or elevation of existing utilities shown herein are based on records provided by the utility company and information obtained from the field. Contractor shall verify all existing field conditions and utilities prior to beginning work and notify the engineer if any differing site conditions are noted.

Construction Notes:

1. All elevations are referenced to mean sea level (MSL) datum.
2. All pavement dimensions are referenced to the face of curb where applicable.
3. Contractor is cautioned that the location and/or elevation of existing utilities shown herein are based on records provided by the utility company and information obtained from the field. Contractor shall verify all existing field conditions and utilities prior to beginning work and notify the engineer if any differing site conditions are noted.
4. Contractor is required to contact Utility Protection Service (UPS) three days prior to any digging or commencing construction.
5. Contractor is required to notify SCDOT of any underground utilities located within the project area.
6. Contractor is required to notify SCDOT of any underground utilities located within the project area.
7. Contractor shall notify SCDOT of any underground utilities located within the project area.
8. Contractor is required to notify SCDOT of any underground utilities located within the project area.
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Reference:

The topographic information (1:1-foot contour) was surveyed using LIDAR by Back Forty Aerial Solutions dated December 19, 2022.
Sidewalk & Ramp Condition Plan for Area B

Notes:
1. Contractor to see Appendix A of project manual for detail of each deficiency.

Total Estimated Concrete Repair Quantities:
- Grinding: 450 Linear Feet
- Repouring: 3,000 Square Feet

DATE: 03/28/2022
Revised per OSE's comments

RESIDENCE HALL
POOL
HEYWARD DR
III
03-01-2023
C3.1
03-01-23
TJD
GAL
#392912-22

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Sidewalk & Ramp Condition Plan for Area D

Sidewalk Repair Legend:

1. Grinding
2. Repour
3. Modification of Existing Sidewalk to have Sidewalk Ramps
4. Modification of Existing Sidewalk to become Handicap Accessible Ramps
5. Existing Sidewalk Ramps to install Detectable Warning Surface

Notes:
1. Contractor to see Appendix A of project manual for detail of each deficiency

Total Estimated Concrete Repair Quantities:

- Grinding: 450 Linear Feet
- Repouring: 3,000 Square Feet

Prepared by: Francis Marion University
Florence County, South Carolina

03-01-23
C3.3

FOR REVIEW ONLY

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Sidewalk & Ramp Condition Plan for Area E
Def. Maint: Roads, Parking Lots, Sidewalks, Walkways-Ramps, Sidewalks & Lot B
Prepared by: Francis Marion University
Florence County, South Carolina

Notes:
1. Contractor to see Appendix A of project manual for detail of each deficiency

Total Estimated Concrete Repair Quantities
- Grinding: 450 Linear Feet
- Repouring: 3,000 Square Feet

2
I
II
III
03/28/2022
Revised per OSE's comments

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### Repour Notes:
1. If tree root is uprooting existing sidewalk, contractor to cut required depth (4" min.) needed to prepare subgrade and repour concrete.
2. Contractor to reference Typical Concrete Sidewalk Section A-A for repour.
3. Where drop exceeds 1.5", contractor to repour slab panel to level per concrete repour detail.

### Concrete Grinding Notes:
1. To minimize the slope, the sidewalk shall be ground at least 18" in length on the higher slab.
2. Where drop is 1.5" or less, contractor to cut 6" min from end of broken joint, in which case contractor is to cut additional sections unless section ends at slab edge.
3. For areas of sidewalk with a drop of 1.5" or less, to be cut 6" min from end of broken joint. Provide expansion joint section unless section ends at slab edge.

### Sidewalk Repair Profile Notes:
1. Where there is a drop of 1.5" or less, contractor to grind at 4" min. depth to repour concrete.
2. Repaired concrete section, typ.
3. To be cut 6" min from end of broken joint, in which case contractor is to cut additional sections unless section ends at slab edge.
4. If tree root is uprooting existing sidewalk, contractor to cut required depth (4" min.) needed to prepare subgrade and repour concrete.
5. Contractor to reference Typical Concrete Sidewalk Section A-A for repour.
6. Provide contraction joints where necessary to keep new pour section at 1.5:1.0 ratio W/H ratio.