Minor Drainage & Roadway Improvements

TOWN OF GULF STREAM
MAY 8, 2020
Study Area

Polo Drive
Gulfstream Road
Old School Road
Banyan Road
Lakeview Drive
Field Inventory
Drainage Inlet Aprons

Minor Drainage Issues
Minor Drainage Issues

Drainage Swales
Intersection Mill & Asphalt Overlay

Minor Drainage Issues
Minor Drainage Issues

Rutting at Edge of Pavement/ Roadway Widening
Minimum Lane Width Recommendations

Based on desired speed, capacity and context of a roadway and

*Character of the Town of Gulf Stream*

**National Association of City Transportation Officials:**
- 10’ lane width, recommended
- 9’-9.5’ acceptable in conjunction with turn lane

**Broward Complete Streets Guidelines:**
- 9’-10’ for residential streets, posted speed limit 20-25 mph

**Palm Beach County TPA Complete Streets Design Guidelines:**
- *American Association of State Highway & Transportation Officials (AASHTO):*
  - Minimum 9’-12’ lane width for Rural / Urban Local Roads
- *Florida Department of Transportation (FDOT) – 2016 Florida Greenbook:*
  - Recommended Width 9’-12’ for Rural Local Roads
  - Recommended Width 10’ for Urban Local Roads
  - Preferred minimum 10’ width (only where less than 10% truck traffic, < 40mph)
  - Minimum 11’ width for new construction
Proposed Widening:
Polo Dr – south of Palm Way to Old School Rd (1’ widen each side)
Gulfstream Rd – Lakeview to Golfview (3’ widen east side only)
Old School Rd – west of Polo Dr to Wright Way (1’ widen each side)
Banyan Rd – Polo Dr to Gulfstream (1’ widen each side)
Lakeview Dr – west of Gulfstream (2’ widen each side)
Lakeview Dr – east of Gulfstream (1’ widen each side)
Town of Gulf Stream
Recommended Minor Drainage Repair Locations

Legend
- Existing inlet
- Add Apron
- Repair/Adjust Structure
- Add Grass Turf
- Add Pavement Widening
  - 1 Foot
  - 2 Foot
  - 3 Foot
  - Repair Pavement

DRAFT
Table 3

Town of Gulf Stream
Minor Drainage Roadway Widening Improvements Project
PRELIMINARY CONSTRUCTION COST ESTIMATE (5/4/2020)

<table>
<thead>
<tr>
<th>No.</th>
<th>ITEM DESCRIPTION</th>
<th>EST QTY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>EXTENDED COST</th>
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<tbody>
<tr>
<td>1</td>
<td>MOBILIZATION / DEMOBILIZATION / DONDS / INSURANCE</td>
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<td>LS</td>
<td>$15,000.00</td>
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<td>MAINTENANCE OF TRAFFIC</td>
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<td>SUB-TOTAL GENERAL ITEMS</td>
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<tr>
<td>5</td>
<td>MILLING EXISTING ASPHALT PAVEMENT (1&quot; AVG DEPTH) PORTABLE MILLING MACHINE, HAUL OFF</td>
<td>120</td>
<td>SY</td>
<td>$300.00</td>
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<td>6</td>
<td>SAWCUT PAVEMENT EDGE, GRADE &amp; PREPARE SURFACE FOR ASPHALT WIDENING</td>
<td>2400</td>
<td>SY</td>
<td>$1.50</td>
<td>$3,600.00</td>
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<td>7</td>
<td>SAWCUT DRIVEWAY APRON / REMOVE PAVER APRON FOR WIDENING</td>
<td>360</td>
<td>EA</td>
<td>$500.00</td>
<td>$180,000.00</td>
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<td>7</td>
<td>8&quot; COMPACTED BASE ROCK (LIMEROCK OR CRUSHED CONC.) (LBR100) (PRIMED)</td>
<td>1200</td>
<td>SY</td>
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<td>1&quot; SUPERPAVE ASPHALT CONCRETE SP 9.5 (SURFACE COURSE)</td>
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<td>9</td>
<td>ASPHALT APRON AT DRAINAGE INLET / PAVEMENT REPAIR LOCATIONS (2)</td>
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<td>REMOVE, REPLACE APRON WITH NEW ASPHALT APRON AT DRAINAGE INLET</td>
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<td>ADJUST DRAINAGE STRUCTURE RM/GRATE, REPAIRS</td>
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<td>REMOVE LANDSCAPE AREA, REMOVE &amp; REINSTALL MAILBOXES, MISC DEMO</td>
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Questions?