APPENDIX B:

Conceptual Design Drawings and Cost Estimate for the Manchac Greenway

From Ponchatoula to Pass Manchac
MANCHAC GREENWAY STUDY
A/E PROJECT NO. 20-1837
ALT. #1B & #2A: PEDESTRIAN BRIDGE OVER NORTH PASS (1400')

EX. 1400' BRIDGE W/O SHOULDS
SIGN: BIKE MAY USE FULL LANE (OF BRIDGE)

ALT. #2: REQ'D 10' MULTI-USE PATH ON ABANDONED HWY 51 ROADBED

ALT. #1:
REQ'D SHARED USE SHOULDER ON OLD US 51
(MILL & OVERLAY AND ADD RUMBLE STRIPS)
FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

ALT. #1A:
ADD A SEPARATE 5' PEDESTRIAN S/W
ALT. #1:
REQ'D SHARED USE SHOULDER ON OLD US 51 (MILL & OVERLAY AND ADD RUMBLE STRIPS ON EDGE) FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

ALT. #1A:
ADD A SEPARATE 5' PEDESTRIAN S/W

ALT. #2:
REQ'D 10' MULTI-USE PATH ON ABANDONED US 51 ROADBED FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

EXIST. 1400' BRIDGE W/O SHOULDERS
SIGN: BIKE MAY USE FULL LANE (OF BRIDGE)

ALT. #1B & #2A:
REQ'D PEDESTRIAN BRIDGE OVER NORTH PASS

ALT. #2:
REQ'D 10' MULTI-USE PATH ON ABANDONED US 51 ROADBED FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

REQ'D BRIDGE OR CULVERT

GRAPHIC SCALE
0
500
1000
1500
2000
500'
1000'
1500'
2000'

1 INCH = 100 FT
ALT. #1:
REQ'D SHARED USE SHOULDERS ON OLD US 51 (MILL & OVERLAY AND ADD RUMBLE STRIPS ON EDGE) FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

ALT. #1A:
ADD A SEPARATE 5' PEDESTRIAN S/W

ALT. #2:
REQ'D 10' MULTI-USE PATH ON ABANDONED US 51 ROADBED FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

GRAPHIC SCALE
1 inch = 500 ft
ALT. #1:
REQ'D SHARED USE SHOULDERS ON OLD US 51 (MILL & OVERLAY AND ADD RUMBLE STRIPS ON EDGE) FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

ALT. #1A:
ADD A SEPARATE 5' PEDESTRIAN S/W

ALT. #2:
REQ'D 10' MULTI-USE PATH ON ABANDONED US 51 ROADED FROM PASS MANCHAC TO JOYCE WILDLIFE SWAMPWALK

MATCHLINE D-D
MATCHLINE E-E
MATCHLINE F-F

Meyer Engineers, Ltd.
4937 Hearst Street . Suite 1B . Metairie, Louisiana 70001
phone. 504.885.9892 . fax. 504-887-5056
website. www.meyer-e-l.com

of             sheets
sheet no. 20-1837
AJS
DHD
04-22-2019
REQ'D 10' MULTI-USE PATH ON EXIST. GRAVEL ROAD. ADD FENCE FOR CONTROL OF ACCESS

REG'D BRIDGE (~120°)

FROM PUGH DR TO PECAN ST:
REQ'D 5' S/W w/ CURB ON ROAD & SHARED USE ROAD ON SE RAILROAD AVE.
(FUTURE WIDEN S/W TO 10' WITH CULVERT)

FROM PECAN ST TO MAGNOLIA ST:
REQ'D 5' PEDESTRIAN S/W w/ CURB ON ROAD

REQ'D 5' PEDESTRIAN S/W w/ CURB ON EAST SIDE OF ROAD
CROSS SIDEWALK TO EAST SIDE

100'
150'
200'
250'
300'
350'
400'
450'
500'
550'

GRAPHIC SCALE
2" = 500 ft
Typical Section: Pass Manchac to Joyce Wildlife Swampwalk

1. **Alternate #1:** Shared use shoulder (mill & overlay and add rumble strip on edge)

2. **Alternate #1a:** 5' sidewalk

3. **Alternate #2:** 10' multi-use path, would include culverts or bridges over ditches/canals

Typical Section: Joyce Wildlife Swampwalk to Interstate Loop

4. **Redo'd fence for control of access**

5. **Redo'd 10' multi-use path on exist. gravel road, includes culverts or bridges over ditches/canals**

Typical Section: Interstate Loop to Treatment Pond

6. **Redo'd fence for control of access**

7. **Redo'd 10' multi-use path & base or bridges, includes culverts or bridges over ditches/canals**
D. TYPICAL SECTION: TREATMENT POND TO PUSH DRIVE

E. TYPICAL SECTION: PUSH DR. TO NEAR MAGNOLIA ST.

F. TYPICAL SECTION: NEAR MAGNOLIA ST. TO PME ST.
## Preliminary Probable Construction Cost

**Manchac Greenway Study**  
A/E Project No.: 20-1087  
April 22, 2019

### Alternative #1: Shared Use Shoulders on Old US 51

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mill 2&quot; of Asphalt (36,600' x 20')</td>
<td>86,000</td>
<td>SY</td>
<td>$3</td>
<td>$258,000</td>
</tr>
<tr>
<td>Asphalt 2&quot; (w/Rumble Strips)</td>
<td>86,000</td>
<td>SY</td>
<td>$14</td>
<td>$1,204,000</td>
</tr>
<tr>
<td>Base Repair (5% of 86,000 SY)</td>
<td>4,300</td>
<td>SY</td>
<td>$300</td>
<td>$1,290,000</td>
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**Subtotal - Alternative #1:** $2,752,000

### Alternative #2: Add Concrete Sidewalk

<table>
<thead>
<tr>
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<th>Quantity</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Sidewalk (4&quot;) on Ex. Grade (36,600' x 5')</td>
<td>21,500</td>
<td>SY</td>
<td>$85</td>
<td>$1,827,500</td>
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**Subtotal Alternative #2:** $1,827,500

### Alternative #3: Pedestrian Bridge Over North Pass

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian Bridge (Steel) (12&quot; wide)</td>
<td>1,400</td>
<td>LF</td>
<td>$1,500</td>
<td>$3,590,000</td>
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**Subtotal Alternative #3:** $3,590,000

**Total Project Costs - Alternatives 1-3:** $8,072,500

### Alternative #4: 10’ Path on Abandoned SS Roadbed

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clearing (38,600’ x 14’)</td>
<td>1</td>
<td>LS</td>
<td>$70,000</td>
<td>$70,000</td>
</tr>
<tr>
<td>Asphalt 3” (34,500’ x 10’)</td>
<td>38,000</td>
<td>SY</td>
<td>$20</td>
<td>$760,000</td>
</tr>
<tr>
<td>Base Repair (20% of 38,000 SY)</td>
<td>7,600</td>
<td>SY</td>
<td>$300</td>
<td>$2,280,000</td>
</tr>
<tr>
<td>Rumble Base</td>
<td>38,000</td>
<td>SY</td>
<td>$4</td>
<td>$152,000</td>
</tr>
<tr>
<td>New Path and Base 2,000’ North of Pass Manchac (Along Curve)</td>
<td>1,000</td>
<td>LF</td>
<td>$300</td>
<td>$300,000</td>
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<tr>
<td>Bridge at Curve</td>
<td>500</td>
<td>LF</td>
<td>$2,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Bridge 11,000’ North of North Pass (180’ x 14’)</td>
<td>1</td>
<td>EA</td>
<td>$390,000</td>
<td>$390,000</td>
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<tr>
<td>Small Wooden Bridges (Over Culverts) at Drainage Canals (60’ x 14’)</td>
<td>12</td>
<td>EA</td>
<td>$130,000</td>
<td>$1,560,000</td>
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**Subtotal - Alternative #4:** $6,622,000

### Alternative #5: Pedestrian Bridge Over North Pass

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<tr>
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<tbody>
<tr>
<td>Pedestrian Bridge (Steel) (12” wide)</td>
<td>1,400</td>
<td>LF</td>
<td>$2,500</td>
<td>$3,590,000</td>
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**Subtotal Alternative #5:** $3,590,000

**Total Project Costs - Alternatives 2 & 5:** $10,112,000

### Joyce Wildlife Swamp Walk to Treatment Pond (6,600’)

<table>
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<tr>
<th>Description</th>
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<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clearing (3,000’ x 14’)</td>
<td>1</td>
<td>LS</td>
<td>$10,000</td>
<td>$10,000</td>
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<tr>
<td>Asphalt 3” Overlay (3,900’ x 10’)</td>
<td>4,300</td>
<td>SY</td>
<td>$20</td>
<td>$86,000</td>
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<tr>
<td>Base Repair (20% of 4,300 SY)</td>
<td>860</td>
<td>SY</td>
<td>$300</td>
<td>$258,000</td>
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<tr>
<td>Rumble Base</td>
<td>4,300</td>
<td>SY</td>
<td>$4</td>
<td>$17,200</td>
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<tr>
<td>New Path and Base</td>
<td>2,000</td>
<td>LF</td>
<td>$300</td>
<td>$600,000</td>
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<td>Bridges (120’ x 14’)</td>
<td>2</td>
<td>EA</td>
<td>$260,000</td>
<td>$520,000</td>
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**Total Joyce Wildlife Swamp Walk to Treatment Pond (6,600’):** $1,491,200

### Treatment Pond to Push Drive (3,200’)

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<th>Description</th>
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<tr>
<td>New Path and Base</td>
<td>3,200</td>
<td>LF</td>
<td>$300</td>
<td>$990,000</td>
</tr>
<tr>
<td>Small Wooden Bridges (Over Culverts) at Drainage Canals (60’ x 14’)</td>
<td>2</td>
<td>EA</td>
<td>$130,000</td>
<td>$260,000</td>
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**Total Treatment Pond to Push Drive (3,200’):** $1,250,000

### Push Drive to E. Pine Street (6,500’)

<table>
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<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Cost</th>
<th>Total Cost</th>
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</thead>
<tbody>
<tr>
<td>Concrete Sidewalk (6,500’ x 5’)</td>
<td>3,600</td>
<td>SY</td>
<td>$65</td>
<td>$305,000</td>
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<tr>
<td>Concrete Curb</td>
<td>6,500</td>
<td>LF</td>
<td>$25</td>
<td>$162,500</td>
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<tr>
<td>Culverts at Minimal Locations</td>
<td>600</td>
<td>LF</td>
<td>$150</td>
<td>$90,000</td>
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<tr>
<td>Striping</td>
<td>1</td>
<td>LS</td>
<td>$10,000</td>
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**Total Push Drive to E. Pine Street (6,500’):** $555,500

### Total Pass Manchac to E. Pine Street with Alternate No. 1

<table>
<thead>
<tr>
<th>Description</th>
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<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
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<tbody>
<tr>
<td>Total Pass Manchac to E. Pine Street with Alternate No. 1</td>
<td></td>
<td></td>
<td></td>
<td>$11,889,200</td>
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**Total Pass Manchac to E. Pine Street with Alternate No. 2** $13,421,700

Note: All costs include an extra 40% for mobilization, traffic controls, layout, signage, striping, construction contingencies, engineering, surveying and inspection.