## Survey Line Control State Road 45/Nebraska Avenue

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<table>
<thead>
<tr>
<th>STATION</th>
<th>(Y) NORTHING</th>
<th>(X) EASTING</th>
<th>ELEVATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOS 98+42.50</td>
<td>1314900.5133</td>
<td>510773.8598</td>
<td>N/A</td>
<td>27°57'08.63298&quot;</td>
<td>82°27'02.24777&quot;</td>
<td>FOUND NAIL AND DISK &quot;LB 6839&quot;</td>
</tr>
<tr>
<td>P.I. 104+25.16</td>
<td>1315443.9349</td>
<td>510563.6676</td>
<td>N/A</td>
<td>27°57'06.42858&quot;</td>
<td>82°27'03.64767&quot;</td>
<td>NO POINT FOUND OR SET</td>
</tr>
<tr>
<td>P.C. 106+01.79</td>
<td>1315608.6771</td>
<td>510499.9463</td>
<td>N/A</td>
<td>27°57'05.7511&quot;</td>
<td>82°27'04.5620&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
</tr>
<tr>
<td>P.I. 106+46.41</td>
<td>1315650.2905</td>
<td>510483.8505</td>
<td>N/A</td>
<td>27°57'07.54714&quot;</td>
<td>82°27'08.11750&quot;</td>
<td>FOUND NAIL AND DISK &quot;URT LB 6689&quot;</td>
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<tr>
<td>P.T. 106+89.98</td>
<td>1315694.9075</td>
<td>510484.1343</td>
<td>N/A</td>
<td>27°57'08.91077&quot;</td>
<td>82°27'04.54487&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
</tr>
<tr>
<td>P.O.T. 108+26.75</td>
<td>1315831.6808</td>
<td>510485.0041</td>
<td>N/A</td>
<td>27°57'10.26511&quot;</td>
<td>82°27'04.51152&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
</tr>
</tbody>
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### Survey Line Control Twiggs Street

<table>
<thead>
<tr>
<th>STATION</th>
<th>(Y) NORTHING</th>
<th>(X) EASTING</th>
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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>B.O.S./P.O.T. 10+00.00</td>
<td>1315134.1063</td>
<td>509756.0592</td>
<td>N/A</td>
<td>27°57'03.33111&quot;</td>
<td>82°27'12.64043&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
</tr>
<tr>
<td>P.I. 18+65.00</td>
<td>1315443.9349</td>
<td>510563.6676</td>
<td>N/A</td>
<td>27°57'06.42858&quot;</td>
<td>82°27'03.64767&quot;</td>
<td>NO POINT FOUND OR SET</td>
</tr>
<tr>
<td>P.O.T. 20+00.00</td>
<td>1315492.2896</td>
<td>510689.7104</td>
<td>N/A</td>
<td>27°57'06.91198&quot;</td>
<td>82°27'02.24417&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
</tr>
<tr>
<td>P.C. 22+86.04</td>
<td>1315594.7429</td>
<td>510956.7682</td>
<td>N/A</td>
<td>27°57'07.93620&quot;</td>
<td>82°26'59.27043&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
</tr>
<tr>
<td>P.I. 23+62.90</td>
<td>1315622.2748</td>
<td>511028.5337</td>
<td>N/A</td>
<td>27°57'07.54714&quot;</td>
<td>82°27'08.11750&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
</tr>
<tr>
<td>P.T. 24+37.96</td>
<td>1315621.6248</td>
<td>511105.3965</td>
<td>N/A</td>
<td>27°57'08.20780&quot;</td>
<td>82°26'57.61418&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
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<tr>
<td>E.O.S. 34+49.58</td>
<td>1315613.0704</td>
<td>512116.9759</td>
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<td>27°57'10.26511&quot;</td>
<td>82°26'46.33374&quot;</td>
<td>SET NAIL AND DISK &quot;ELEMENT LB 7831&quot;</td>
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</tbody>
</table>

### Vertical Control

<table>
<thead>
<tr>
<th>CONTROL POINTS</th>
<th>(Y) NORTHING</th>
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<th>SURVEY STATION</th>
<th>OFFSET</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBM 1</td>
<td>1315666.1</td>
<td>510690.0</td>
<td>21.990'</td>
<td>27°57'08.63298&quot;</td>
<td>82°27'02.24777&quot;</td>
<td>105+86.8 (SR 45)</td>
<td>198.0' RT</td>
<td>SET NAIL AND DISK &quot;TRAV. PT. LB 7831&quot;</td>
</tr>
<tr>
<td>TBM 2</td>
<td>1315558.4</td>
<td>510163.2</td>
<td>21.289'</td>
<td>27°57'05.74511&quot;</td>
<td>82°27'08.11750&quot;</td>
<td>126+32.5 (SR 45)</td>
<td>357.1' LT</td>
<td>FOUND NAIL AND DISK &quot;HEIDT LB 148&quot;</td>
</tr>
<tr>
<td>TBM 3</td>
<td>1314862.0</td>
<td>510756.6</td>
<td>22.137'</td>
<td>27°57'06.67316&quot;</td>
<td>82°27'04.71215&quot;</td>
<td>90+12.8 (SR 45)</td>
<td>30.0' LT</td>
<td>SET NAIL AND DISK &quot;TRAV. PT. LB 7831&quot;</td>
</tr>
<tr>
<td>TBM 4</td>
<td>1316504.1</td>
<td>510533.7</td>
<td>22.028'</td>
<td>27°57'16.92559&quot;</td>
<td>82°27'04.02893&quot;</td>
<td>114+99.5 (SR 45)</td>
<td>44.4' LT</td>
<td>SET NAIL AND DISK &quot;TRAV. PT. LB 7831&quot;</td>
</tr>
<tr>
<td>TBM 5</td>
<td>1315085.1</td>
<td>509737.5</td>
<td>21.427'</td>
<td>27°57'02.84522&quot;</td>
<td>82°27'12.84566&quot;</td>
<td>9+51.1 (TWIGGS)</td>
<td>39.1' LT</td>
<td>SET NAIL AND DISK &quot;TRAV. PT. LB 7831&quot;</td>
</tr>
<tr>
<td>TBM 6</td>
<td>1315934.5</td>
<td>511221.5</td>
<td>17.778'</td>
<td>27°57'11.21087&quot;</td>
<td>82°26'56.33185&quot;</td>
<td>25+51.5 (TWIGGS)</td>
<td>303.8' LT</td>
<td>SET NAIL AND DISK &quot;TRAV. PT. LB 7831&quot;</td>
</tr>
<tr>
<td>TBM 7</td>
<td>1315591.2</td>
<td>512248.3</td>
<td>7.872'</td>
<td>27°57'07.94757&quot;</td>
<td>82°26'44.86872&quot;</td>
<td>35+81.1 (TWIGGS)</td>
<td>20.8' RT</td>
<td>SET NAIL AND DISK &quot;TRAV. PT. LB 7831&quot;</td>
</tr>
</tbody>
</table>

### Horizontal Control

<table>
<thead>
<tr>
<th>CONTROL POINTS</th>
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<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>SURVEY STATION</th>
<th>OFFSET</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q18</td>
<td>1317808.1400</td>
<td>512276.4600</td>
<td>17.270'</td>
<td>27°57'09.00800&quot;</td>
<td>82°26'44.64461&quot;</td>
<td>128+14.57 (SR 45)</td>
<td>1788.85' RT</td>
<td>FOUND 8&quot;X8&quot; CONCRETE MONUMENT WITH BRASS USC&amp;GS DISK &quot;Q18 1933&quot;</td>
</tr>
<tr>
<td>10-13-012</td>
<td>1315030.2704</td>
<td>512385.3557</td>
<td>9.346'</td>
<td>27°57'02.39805&quot;</td>
<td>82°26'43.56063&quot;</td>
<td>93+88.31 (SR 45)</td>
<td>1533.94' RT</td>
<td>FOUND BRASS FOOT DISK IN CONCRETE SIDEWALK &quot;10 13 02 GPS&quot;</td>
</tr>
</tbody>
</table>
SR 45 / NEBRASKA AVENUE SURVEY LINE REFERENCES

Legend:

- **AVE** = AVENUE
- **B.O.S.** = BEGINNING OF SURVEY
- **E.O.S.** = END OF SURVEY
- **F.D.T.** = FLORIDA DEPARTMENT OF TRANSPORTATION
- **F.O.T.** = POINT OF TANGENCY
- **F.P.** = POINT OF TANGENCY
- **F.T.** = POINT OF TANGENCY
- **P.I.** = POINT OF INTERSECTION
- **P.C.** = POINT OF CURVATURE
- **P.O.T.** = POINT OF TANGENCY
- **S.R.** = STATE ROAD
- **STA** = STATION
- **ST** = STREET
- **SR** = SURVEY LINE
- **ST** = STATION

NOTE: ITEMS IN QUOTATION " " ARE STAMPED ON CAP OR DISK

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**NOTE:** THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE, SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.
TWIGGS STREET SURVEY LINE REFERENCES

LEGEND

AVE. = AVENUE
B.O.S. = BEGINNING OF SURVEY
F.O.S. = END OF SURVEY
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
P.C. = POINT OF CURVATURE
P.I. = POINT OF INTERSECTION
P.O.T. = POINT ON TANGENT
SR = STATE ROAD
STA = STATION
ST = STREET

NOTE: ITEMS IN QUOTATION " " ARE STAMPED ON CAP OR DISK

PROJECT CONTROL

TAMPA - HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY

Peter J. Mattson, PSM
Florida License No. 6290
Element Engineering Group
1713 E. 9th Avenue
Tampa, FL 33605
Certificate of Authorization LB7831

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Tampa, FL 33605
1713 E. 9th Avenue
Element Engineering Group
Florida License No. 6290
Peter J. Mattson, PSM

R:
PROJECTS:
PUBLIC:
S-HNTB1801-02 (THEA Twiggs)
SURVEY:
CTLSRD04.dgn

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6/21/2018
mrichardson

R:
PROJECTS:
PUBLIC:
S-HNTB1801-02 (THEA Twiggs)
SURVEY:
CTLSRD04.dgn

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mrichardson

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