GENERAL NOTES

2. NOT TO DESIGNER

LIST ALL UTILITY OWNERS AFFECTED BY THIS PROJECT PER EXAMPLE BELOW:
MRS. JEANNIE A. TALHOUK, FLORIDA POWER CORP: 4121 ST. LAWRENCE DRIVE.
NEW PORT RICHEY, FL 34653 (813) 372-5102.

2. GENERAL NOTES

THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE AND
BASED ON THE INFORMATION PROVIDED TO THE ENGINEER BY THE UTILITY OWNERS AND ARE
GENERAL NOTES SHOWN AS APPROXIMATE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXISTS BEFORE EXCAVATING.
NOTIFY THE UTILITY COMPANY OWNERS AND REQUEST THEM TO LOCATE AND MARK THEIR
UNDERGROUND FACILITIES. UTILITIES AND TO BE MARKED BY OTHERS AS DIRECTED BY
THE ENGINEER.

2. FOR ALTERNATIVE PROPOSED LUMINAIRES, SUBMIT A DATA SHEET INCLUDING
OVERVIEW OF THE鍋-POUND FOOT-CANDLE LEVELS TO BE OBTAINED ON THIS PROJECT. LIGHTING DESIGN
ANALYSIS REPORT SHALL BE SUBMITTED IF NO ALTERNATIVE LUMINAIRES ARE PROPOSED AT FINAL INSPECTION.
THE CONTRACTOR SHALL VERIFY THE POTENTIAL FOOT-CANDLE LEVELS ON THE ROADWAY WITH AN APPROPRIATE
AND PROPERLY CALIBRATED LIGHT METER.

4. IN ACCORDANCE WITH N.E.C., INSTALL ALL CIRCUITS AND EQUIPMENT WITH "LAMACOID TAGS" INSTALL
SIMILAR TAGS OF STAINLESS STEEL IDENTIFYING CIRCUIT FOR EACH LUMINAIR AT ACCESS
HARDWARE FOR EACH POLE.

5. NOTIFY UTILITY POWER SERVICE PROVIDER AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS
WITHIN 10 FT. OF UNDERGROUND ELECTRICAL CONDUITS. UTILITY POWER SERVICE PROVIDER, AT
NOTIFY THE CONTRACTOR THAT UNDERGROUND UTILITIES EXISTS BEFORE EXCAVATING.
THE INSTALLATION SITE OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL
BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY, HIGH VOLTAGE
COMPONENTS.

6. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET
MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL
PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET
MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL
PULL CABLE SHALL BE POLYESTER. STEEL CABLE OR FISH TAPES NOT ALLOWED.

7. THE LIGHTING SYSTEM WILL BE MAINTAINED BY _______ UPON FINAL ACCEPTANCE.

8. EXISTING LIGHTING EQUIPMENT POWER SOURCES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO
COMMENCING DEMOLITION/REMOVAL WORK.

9. ALL UTILITIES SHALL BE MAXIMIZED TESTED AND CLEANED CONDUIT PLACED FOR FUTURE USE.
SHELL HOLE, 3/4" POLYESTER CORD PULLED IN PLACE AND CAPPED WITH INSERTION INSIDE
CONDUIT AT LOCATION OF UNPLUGGED DESIGNATED PLUG BOXES OR PULL BOXES TO MARK
ENDS OF EMPTY CONSULTS.

10. THE CONTRACTOR SHALL REMOVE ALL OUT OF SERVICE ROADWAY LIGHTING SYSTEM COMPONENTS INCLUDING
UNDERGROUND AND SURFACE MOUNT CONDUITS, CONDUCTORS, POLE BASES, POLES, PULL BOXES, SERVICE POINTS,
LOAD CENTERS, AND ALL OTHER ACCESSORIES RELATED TO THE LIGHTING SYSTEM NOTED IN THE
PLANS.

11. ON REMOVED SIGN STRUCTURES, THE CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING AND COMPONENTS FROM
THE PULL BOX TO THE SIGN STRUCTURE, AND RE-SPICE CONDUCTORS AS NEEDED.

POLE IDENTIFICATION TAG DETAIL
N.T.C.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
PAY ITEM AND
GENERAL NOTE SHEET
ROADWAY LIGHTING DESIGN
SHEET NO.
201
(OF 1)
**GENERAL NOTES:**

1. **SUB-OUT ONE (1) SPARE 2" PVC CONDUIT BELOW GRADE AND BEYOND CONCRETE BASE.** CAP ENDS AND INDICATE LOCATION OF STUB-OUT INSIDE CABINET.

2. **LOAD CENTER/SERVICE POINTS SHALL BE PROVIDED WITH A MINIMUM OF 20% SPARE CAPACITY.**

3. **BREAKER AND WIRING INSTALLED WHEN DAYTIME LIGHTING CIRCUIT IS REQUIRED.**

4. **SHOP DRAWINGS REQUIRED FOR ALL EQUIPMENT ASSOCIATED WITH THE LOAD CENTER.**

**LOAD CENTER SCHEMATIC DIAGRAM**

**LOAD CENTER ENCLOSURE DETAIL**

**PHOTO ELECTRIC CONTROLLER DETAIL**

**STATE OF FLORIDA**

**DEPARTMENT OF TRANSPORTATION**

**FLORIDA TURNPIKE**

**LOAD CENTER DETAILS**

**REVISIONS**

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>DATE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LOAD CENTER RATING SCHEDULE**

<table>
<thead>
<tr>
<th>LOAD CENTER</th>
<th><em><strong>1</strong></em></th>
<th><em><strong>2</strong></em></th>
<th><em><strong>3</strong></em></th>
<th><em><strong>4</strong></em></th>
<th><em><strong>5</strong></em></th>
<th><em><strong>6</strong></em></th>
<th><em><strong>7</strong></em></th>
</tr>
</thead>
<tbody>
<tr>
<td>___ AMPS</td>
<td>___ AMPS</td>
<td>___ AMPS</td>
<td>___ AMPS</td>
<td>___ AMPS</td>
<td>___ AMPS</td>
<td>___ AMPS</td>
<td>___ AMPS</td>
</tr>
</tbody>
</table>

**TOTAL CONNECTED LOAD: _____ KVA**

**TOTAL DEMAND LOAD: _____ KVA**

**LOAD CENTER ENCLOSURE DETAIL**

- **SIDE VIEW:**
  - SERVICE SLAB 4'-0" (MAX)
  - 5 5" (MIN)
  - 8" MIN
  - 1'-8"
  - SLOPE 1" FOR DRAINAGE
  - COPPER NEUTRAL BUS
  - COPPER GROUND BUS
  - UNDERGROUND SERVICE SLAB
  - ALUM. BACKPLATE
  - INSULATED BUSHING (TYP)
  - SEAL CONDUIT ENTRY (TYP)
  - 2" MIN ALL SIDES

- **FRONT VIEW:**
  - 26" (MIN)
  - 60" (MIN)
  - 26" (MIN)
  - 5 5" (MIN)
  - 8" MIN

- **SIDE OR BACK OF ENCLOSURE:**
  - **SIDE VIEW:**
  - SERVICE SLAB 4'-0" (MAX)
  - 5 5" (MIN)
  - 8" MIN
  - 1'-8"
  - SLOPE 1" FOR DRAINAGE
  - COPPER NEUTRAL BUS
  - COPPER GROUND BUS
  - UNDERGROUND SERVICE SLAB
  - ALUM. BACKPLATE
  - INSULATED BUSHING (TYP)
  - SEAL CONDUIT ENTRY (TYP)
  - 2" MIN ALL SIDES

**PHOTO ELECTRIC CONTROLLER DETAIL**

- **SIDE VIEW:**
  - SERVICE SLAB 4'-0" (MAX)
  - 5 5" (MIN)
  - 8" MIN
  - 1'-8"
  - SLOPE 1" FOR DRAINAGE
  - COPPER NEUTRAL BUS
  - COPPER GROUND BUS
  - UNDERGROUND SERVICE SLAB
  - ALUM. BACKPLATE
  - INSULATED BUSHING (TYP)
  - SEAL CONDUIT ENTRY (TYP)
  - 2" MIN ALL SIDES

**LOAD CENTER SCHEMATIC DIAGRAM**

- **SIDE VIEW:**
  - SERVICE SLAB 4'-0" (MAX)
  - 5 5" (MIN)
  - 8" MIN
  - 1'-8"
  - SLOPE 1" FOR DRAINAGE
  - COPPER NEUTRAL BUS
  - COPPER GROUND BUS
  - UNDERGROUND SERVICE SLAB
  - ALUM. BACKPLATE
  - INSULATED BUSHING (TYP)
  - SEAL CONDUIT ENTRY (TYP)
  - 2" MIN ALL SIDES

**STATE OF FLORIDA**

**DEPARTMENT OF TRANSPORTATION**

**FLORIDA TURNPIKE**

**LOAD CENTER DETAILS**

**REVISIONS**

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>DATE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
KEYED NOTES

408/480 V SINGLE PHASE, 3-WIRE "LIST POWER COMPANY" ELECTRIC SERVICE. SAFETY SWITCH ON SERVICE SIDE OF METER WHEN REQUIRED BY POWER COMPANY.

480V, ___ AMP ENCLOSED BREAKER.

2# ___ AWG & 1# ___ AWG (N) IN ___ " RIGID GALVANIZED STEEL CONDUIT.

METER AS REQUIRED, HEIGHT SPECIFIED BY POWER COMPANY.

1# ___ AWG INSULATED COPPER GROUND WIRE IN ___ " RIGID GALVANIZED STEEL CONDUIT.

#6 INSULATED COPPER GROUND WIRE TO COPPER CLAD GROUND ROD, MIN. 10 FT LONG.

480V ENCLOSED BREAKER 1 KVA SINGLE PHASE, 480V PRIMARY 120V SECONDARY.

CONTROL TRANSFORMER 1 KVA SINGLE PHASE, 480V PRIMARY, 120V SECONDARY.

SLE URE PROTECTIVE DEVICE (SPD).

MAIN CIRCUIT BREAKER ___ AMPS, 2-POLE, 480V, ___ AIC.

___ AMP, 2-POLE, ELECTRICALLY HELD CONTAC TOR.  

FREE STANDING NEMA 4X STAINLESS STEEL ENCLOSURE WITH TWO DOORS.

PHOTOELECTRIC SWITCH.

"LIST POWER COMPANY" CONCRETE SERVICE POLE.

"LIST POWER COMPANY" TRANSFORMER.

TOTAL CONNECTED LOAD: ___ KVA
TOTAL DEMAND LOAD: ___ KVA

1 OF 2

DETAIL ON SHEET

CENTER ENCLOSURE

NOTE 6 ON LOAD

REFER TO GENERAL PAD

CONCRETE POLE PRESTRESSED TYPE P-II, 12 LONG.

PULL BOX (27-1/2 X 18 X 12) COVER MARKED "ELECTRIC".

REFER TO FOOT PLANS, INDEX 639-001 DETAIL "B", UNDERGROUND FEED

REFER TO GENERAL NOTE 6 ON LOAD CENTER ENCLOSURE DETAIL ON SHEET 1 OF 2

CONCRETE POLE

SERVICE POLE DETAILS

SHEET NO. 202 (2 OF 2)
NOTES:

1. REFER TO TDH TABLE 2312.1 FOR ILLUMINATION LEVELS.

2. LIMITS OF 2.0 AVERAGE INITIAL FOOT-CANDLES ON THE APPROACH AND DEPARTURE OF A RAMP TOLL PLAZA AS PER TABLE 231.2.1. (NOT APPLICABLE FOR AET ONLY PLAZAS)

3. PLEASE NOTE THAT IF THE LENGTH OF THE MAINLINE BETWEEN LIGHTED INTERCHANGES IS 0.5 MILES OR LESS, THEN THAT SECTION OF THE MAINLINE WILL BE ILLUMINATED REGARDLESS OF WHAT THE LIGHTING JUSTIFICATION REPORTS INDICATES.

4. THE MAINLINE LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE MAINLINE IS NOT CONTINUOUSLY ILLUMINATED BEYOND THE INTERCHANGE LIGHTING LIMITS SHOWN.

5. THE CROSS ROAD LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE CROSS ROAD IS NOT TO BE ILLUMINATED BEYOND THE INTERCHANGE LIGHTING LIMITS SHOWN.

6. LIGHTING LIMITS OF 2.0 AVERAGE INITIAL FOOT-CANDLES ON THE APPROACH AND DEPARTURE OF A RAMP TOLL PLAZA AS PER TABLE 231.2.1. (NOT APPLICABLE FOR AET ONLY PLAZAS)
PARKING LOT AND SITE: 1.5 AVERAGE INITIAL FOOT-CANDLES AS PER TDH, TABLE 231.2.1.

BLDG. PERIMETER AND WALKWAYS: 2.0 AVERAGE INITIAL FOOT-CANDLES AS PER TDH, TABLE 231.2.1.

LIMITS OF 1.7 AVERAGE INITIAL FOOT-CANDLES FOR NON-ILLUMINATED ROADWAYS.

NOTES:

1. THE MAINLINE LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE MAINLINE IS NOT CONTINUOUSLY ILLUMINATED.
NOTES:

LIGHTING LIMITS

MAINLINE TOLL PLAZA

1. MAINLINE TOLL PLAZA DEPARTURE

MAINLINE TOLL PLAZA APPROACH

PARKING LOT

MAINLINE TOLL PLAZA CANOPY (TYP.)

ADMINISTRATION BUILDING

MAINLINE TOLL PLAZA

LIMITS

PLAZA LIGHTING

MAINLINE TOLL

LIMITS

N.T.S.

FOR REFERENCE ONLY

(NOT APPLICABLE FOR AET ONLY TOLLING)

1. REFER TO TDH, TABLE 23-2.1 FOR MAINLINE ILLUMINATION LEVELS.

2. LIMITS OF 2.0 AVERAGE INITIAL FOOT-CANDLES ON THE APPROACH AND DEPARTURE OF A RAMP TOLL PLAZA, AS PER TDH, TABLE 23-2.1.

NOTES:

1. THE MAINLINE LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE MAINLINE IS NOT CONTINUOUSLY ILLUMINATED.
NOTES:
1. THE EXACT LOCATION OF THE LUMINAIRES SHALL BE AS DICTATED BY THE LIGHTING CALCULATIONS.
2. ROADWAY LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE INSTALLED THROUGH THE TOLL PLAZA ADMINISTRATION BUILDING/TUNNEL AREA.

NOT APPLICABLE FOR AET ONLY TOLLING