**General Information**

1. Are there deficiencies noted on the last Region Inspection Report? [ ] Yes □ No □
2. Are there deficiencies noted on the last HQ Audit? [ ] Yes □ No □
3. Are there deficiencies noted on the last audit performed by certifying agency? [ ] Yes □ No □
4. Is previous precast inspection checklist readily available? [ ] Yes □ No □
5. Are deficiencies from previous audits or inspections recurring? [ ] Yes □ No □
6. ACPA / NPCA / PCI Certification (circle one) Expiration Date: ______________________________
7. List all TDOT products made at facility (category and type):
   - _______________________________________________________________________________
   - _______________________________________________________________________________
8. Is the plant certified to produce each of these products? [ ] Yes □ No □
9. According to which of the following are products being manufactured?
   a. TDOT Standard Drawing [ ] Yes □ No □
   b. Approved Alternate Drawing [ ] Yes □ No □
   c. Contract Plans [ ] Yes □ No □
   d. ASTM/AASHTO Specifications [ ] Yes □ No □

**Comments:**

______________________________________________________________________________

______________________________________________________________________________
### Materials

1. Check materials against approved mix design (ask for material delivery tickets):
   - Cement
   - Fly Ash
   - GGBFS
   - Chemical Admixtures
   - Coarse Aggregate
   - Fine Aggregate

2. Is documentation of aggregate properties (i.e. specific gravity and absorption) readily available?  
   - Yes □  No □

3. Is steel used at the plant on the Producer List and mill certs readily available?  
   - Yes □  No □

4. Does the plant use drawn down wire?  
   - Yes □  No □

5. If yes, are certs readily available?  
   - Yes □  No □

6. Does Plant use municipal or non-municipal water?  
   - Municipal □  Non-municipal □

7. If non-municipal water, are test records kept on file?  
   - Yes □  No □

**Comments:**

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________

### Quality Control Program

1. Is Quality Control Manual readily available?  
   - Yes □  No □

2. Is organizational chart readily available and current?  
   - Yes □  No □

3. Main QC Inspector Name: ________________________
   - TDOT/ACI Level 1 Expiration Date: _______________
   - TDOT Level 2 Expiration Date: _______________

4. Backup QC Inspector Name: ________________________
   - TDOT/ACI Level 1 Expiration Date: _______________
   - TDOT Level 2 Expiration Date: _______________

5. Mix Design Technician Name: ____________________________
   - TDOT/ACI Level 1 Expiration Date: _______________
   - TDOT Level 2 Expiration Date: _______________
   - TDOT Level 3 Expiration Date (if applicable): ____________________________
   - PE License # & Expiration (if applicable): _______________________________

6. Does the plant keep a record of the following tests/inspections performed by QC personnel?  
   - Pre-Pour: ____________________________  
     - Yes □  No □
   - During: ____________________________  
     - Yes □  No □
   - Post-Pour: ____________________________  
     - Yes □  No □

7. Are gradations on aggregate being performed at least once per month?  
   - Yes □  No □

**Comments:**

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________
Laboratory Equipment

1. All lab equipment easily fits in space and is accessible. Yes □ No □
   - Scoop □
   - 4"x8" cylinder molds □
   - Sample reduction equipment □
   - Square blade shovel □
   - Slump cone with base □
   - Pan □
   - Tamping rod □
   - Thermometers □
   - Air meter with case □
   - Wheelbarrow □

2. Space is floored, roofed, sealed inside, weather-tight, and furnished with electricity. Yes □ No □

3. Laboratory equipped with heat source capable of maintaining a temperature of 230°F +/- 9°F?
   a. Oven □
   b. Stovetop □
   c. Hot Plate □

4. Appropriate lights, electrical outlets, and HVAC is provided for tests being performed. Yes □ No □

5. Scales (2 kg capacity, 0.2% sensitivity, 0.5% accuracy) available. Yes □ No □

6. Scales (100 lbs capacity, 0.2% sensitivity, 0.5% accuracy) available. Yes □ No □

7. Appropriate size and mesh screens are available to perform gradations. Yes □ No □

<table>
<thead>
<tr>
<th>Coarse Series</th>
<th>Fine Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; □</td>
<td>3/8&quot; □</td>
</tr>
<tr>
<td>1 ½&quot; □</td>
<td>#4 □</td>
</tr>
<tr>
<td>1&quot; □</td>
<td>#8 □</td>
</tr>
<tr>
<td>¾&quot; □</td>
<td>#16 □</td>
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<tr>
<td>½&quot; □</td>
<td>#30 □</td>
</tr>
<tr>
<td>3/8&quot; □</td>
<td>#50 □</td>
</tr>
<tr>
<td>#4 □</td>
<td>#100 □</td>
</tr>
<tr>
<td>#8 □</td>
<td>#200 □</td>
</tr>
<tr>
<td>Tray □</td>
<td>Pan □</td>
</tr>
</tbody>
</table>

8. Mechanical shaker (Coarse Aggregate). Yes □ No □

9. Mechanical shaker (Fine Aggregate). Yes □ No □

10. Adequate and suitable water supply is available to perform wash tests in accordance with AASHTO T-11, if necessary. Yes □ No □

Comments: ________________________________________________________________________________________________
                                                                 ________________________________________________________________________________________________
## Testing Equipment

1. Is facility certifying products for acceptance?  
   - Yes □  
   - No □

2. If yes, has the following equipment been calibrated within the last 12 months?
   a. Compression Machine  
      - Yes □  
      - No □
      i. Date Calibrated: ______________
   b. Three-Edge Bearing  
      - Yes □  
      - No □
      i. Date Calibrated: ______________

   Comments: _________________________________________________________________________

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## Concrete Batching/Central Mixing Plant

1. If facility batches its own concrete,
   a. Have the scales, weighing devices, and/or metering devices been calibrated within the last 6 months?  
      - Yes □
      - No □
      i. Date(s) Calibrated: __________________________
   b. Chemical admixture dispensers calibrated within the last 12 months?  
      - Yes □
      - No □
      i. Date Calibrated: ______________
   c. If using aggregate moisture probes, is accuracy verified with AASTHO T-255 weekly?  
      - Yes □
      - No □
   d. Stockpile maintenance
      - Labeled………………………………………………………………...Yes □
      - Overflowing ……………………………………………………………Yes □
      - Partitions ……………………………………………………………Yes □
      - Coned…  ……………………………………………………………Yes □
      - Segregated ………………………………………………………………….Yes □
      - Blending……………………………………………………………………Yes □

2. If using concrete from RM plant, expiration date of NRMCA certification: ________________

   Comments: _________________________________________________________________________

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Mix Design

1. Are all products used in approved mix design still on Producer List or QPL?
   a. Cement ................................................................. Yes □ No □
   b. Fly Ash ................................................................. Yes □ No □
   c. GGBFS ................................................................. Yes □ No □
   d. Admixtures ........................................................... Yes □ No □
   e. Coarse Aggregate .................................................. Yes □ No □
   f. Fine Aggregate ...................................................... Yes □ No □

2. Is there a mix design for each type of product being produced? .............................. Yes □ No □

Acceptance Testing

1. Are the following acceptance tests being performed at minimum frequencies listed in SOP 5-3?
   a. Compressive Strength ............................................. Yes □ No □
   b. Absorption ........................................................... Yes □ No □
   c. D-Load ................................................................. Yes □ No □
   d. Ultimate Load ....................................................... Yes □ No □

2. Are daily reports documenting type/quantity of product made each day available? ...... Yes □ No □
   a. Do daily reports contain all acceptance test results? ......................................... Yes □ No □
   b. Do daily reports contain inspection of dimensional tolerances? ......................... Yes □ No □

3. Are acceptable products marked by stamp, etch, or label? ..................................... Yes □ No □

Category 1 & 2          Category 3
Date of Manufacture ...... □       Date of Manufacture ............... □
AASHTO/ASTM Designation/Class ...... □       Diameter ........................................ □
TDOT Standard Drawing # ....... □       AASHTO/ASTM Designation/Class..... □
Approved Alternate Drawing # .... □       Plant’s Unique Stamp ................. □
Project/Contract # .............. □       NPCA/ACPA/PCI Stamp ............... □
Plant’s Unique Stamp .......... □
NPCA/ACPA/PCI Stamp .......... □

Comments: ________________________________________________________________
_______________________________
_______________________________
Date ______ Time ______

Producer __________________________ Location __________________________ Region ______

Plant Representative __________________________ Plant Manager __________________________

Plant Address ________________________________________________________________

Phone/Email ________________________________________________________________

Regional M&T Inspector ________________ HQ M&T Inspector __________________________

<table>
<thead>
<tr>
<th>Discussion of Findings</th>
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Discuss summary of findings with plant representative.

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

TDOT Auditor Signature __________________________________________________________

Plant Representative Signature _________________________________________________