1.0 PURPOSE:

This procedure describes the handling and processing of aggregates, asphalt cement and recycled asphalt products (RAP) needed to produce Hot Mix Asphalt (HMA) to customer specifications in either parallel or counter flow drum mix plant operations.

2.0 SCOPE:

This procedure applies to the handling and processing of all materials in a HMA parallel flow or counter flow drum plant.

3.0 RESPONSIBILITY:

HMA plant management and operating personnel.

4.0 EQUIPMENT NEEDED:

Handling and processing equipment designed and built to produce parallel flow or counter flow mix hot asphalt capable of meeting product design requirements.
5.0 **PROCEDURE:**

**Input**
- Graded Aggregate
- Weather
- Work Order
- Asphalt Cement
- Liquid anti-strip

**Cold Feed Bins**
- Avoid bin overflow
- Control gate opening
- Maintain flow of aggregate in and from bins

**Charging Conveyor**
- Monitor uniform flow of aggregate
- Introduce aggregate away from flame
- Check aggregate weigh bridge and set-up on specified intervals

**Burner System**
- Fuel for Burners
- Maintain properly adjusted burner

**Mixing Drum**
- Metered Asphalt Cement
- Asphalt cement at 300°F to 330°F (135°C to 165°C)
- Add liquid anti-strip material

**Asphalt Cement Injection**
- Set rate for aggregate mixing
- Perform set-ups per requirements

**Mineral Filler - Bag House Fines Feed System**
- Use a mineral filler of bag house fines as required

**Bag house Fines Collection**
- Check for oil on collector bags - annually
- Monitor exhaust for blue smoke
- Monitor excess corrosion in duct - annually

**RAP**
- Store asphalt cement at 300°F to 330°F (135°C to 165°C)
- Add liquid anti-strip material

**Asphalt at proper temperature**

**Loading in Silo**
- Hot Exhaust with entrained fines
- HMA temporary storage in silo

**OUTPUT**
- Use a batcher
### 6.0 Revision Log

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<td>00</td>
<td>20-Oct-06</td>
<td>Initial Release</td>
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