Asphalt Plant, Production Site, Equipment & All HMA Constituents Inspection & Evaluation

ITD 2280 (Rev. 03-23)
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This inspection is to be conducted by an ITD inspector in the presence of the plant operator or manager per project.

Key Number / District No.	**Project Name**	**Project No.**
Plant Model & Model No.	**Physical Plant Location**	**Plant Owner**

Type of Plant ☐ Mobile ☐ Stationary	**Inspection Date**

Minimum Tons Per Hour	**Mid-Range Tons Per Hour**	**Maximum Tons Per Hour**

Has Asphalt Plant had previous inspection at same location	Yes ☐	No ☐	If Yes, Project Name and Inspection Date:

Remarks:

Weigh Systems - IR 160 Section 5

	Yes	No
Platform Scales		
Total # of Platform Scales: _____	☐	☐
Date of Calibration: _____ Date of Calibration:_____		
Hopper Weigh System		
Total # of Hopper Weight Systems:_____	☐	☐
Date of Calibration: _____ Date of Calibration:_____ Date of Calibration:_____		

Provide Readable Copy of Current Registered Scale Service Calibration - Attach to Inspection Report

Storage Equipment for Asphalt Binder - IR 160 Section 6

Provide Copy of the Volume / Inch Conversion Chart for AC Tank (used for this project)	NA	Yes	No
Are the Binder storage tanks properly identified / numbered?		☐	☐
Tank # _____ PG Grade _____			
Tank # _____ PG Grade _____			
Tank # _____ PG Grade _____			
Per **405.03**, are tanks or storage material properly heated as per suppliers recommendations**?**		☐	☐
Do they meet **IR 160, 6.2?**		☐	☐
Provide the tank capacity (in Tons), that will be used on this project _____			
Per **IR 160, 6.3, IR 155,** does the thermometer correlate with plant recordation printouts?		☐	☐
Per **IR 160, 6.4,** is a sampling outlet provided between binder tank and the plant?		☐	☐
Is a device available for flushing the outlet prior to sampling and between circular pump and drum?		☐	☐
Is the anti-strip additive added on-site greater than 10 feet from anti-strip intake?	☐	☐	☐
Are the asphalt additives properly identified and stored, if not premixed?	☐	☐	☐
Brand of Anti-Strip: _____			
Expiration Date of Anti-Strip: _____			
Verify percentage of Anti-Strip and recommendation from manufacturer:_____			
Is Dosage Rate tracked by computer system		☐	☐

Remarks:

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Aggregates & RAP Stockpiles - IR 160 Section 7 & 8

of Aggregate Piles on site :_____ # of RAP Piles on site:_____

# of Coarse Stockpiles _____	Description	# of Fine Stockpiles_____	Description
Stockpile 1	_____	Stockpile 1	_____
Stockpile 2	_____	Stockpile 2	_____
Stockpile 3	_____	Stockpile 3	_____
Stockpile 4	_____	Stockpile 4	_____
Stockpile 5	_____	Stockpile 5	_____

	Yes	No
Are stockpiles separated, the areas clean and properly kept?	☐	☐
Are stockpiles separated and free from contamination?	☐	☐
Are stockpiles constructed properly to prevent segregation / Surge Piles Daily during production?	☐	☐
Are there control charts for gradations for each stockpile, including moisture & A/C for RAP?	☐	☐

Date Range for Aggregate stockpiles:_____ to _____ Date Range for RAP stockpiles:_____ to _____

Remarks:

Cold Aggregate & RAP Feeders - IR 160 Section 7 & 8

Number of Aggregate Feed Bins:_____ Number of RAP Feed Bins:_____

	Aggregates		RAP	
	Yes	No	Yes	No
Are feeder bins equipped with vibratory equipment? If Yes, how many and which bins: _____	☐	☐	☐	☐
Are aggregate/RAP bins maintained and gates working properly?	☐	☐	☐	☐
Will aggregate/RAP bins be monitored for restrictions and be kept full during daily production?	☐	☐	☐	☐
Are there aggregate/RAP sampling devices, are they safely accessible?	☐	☐	☐	☐
Are there proper sized scalping screens in place and in functional and satisfactory condition?	☐	☐	☐	☐
Do the aggregate/RAP systems have an auto shut-off system (“No-Flow”) ?	☐	☐	☐	☐
Do aggregate/RAP systems have a synchronized proportioning method when blending aggregates / RAP from two or more bins?	☐	☐	☐	☐
Do individual feeder units have interlocking controls?	☐	☐	☐	☐
Are all final weighbridges protected by windscreens?	☐	☐	☐	☐
Is the total feed weighed continuously?	☐	☐	☐	☐
Are there provisions for automatically correcting the wet aggregate weight to dry aggregate weight?	☐	☐	☐	☐
Will the aggregates/RAP moisture content be adequately checked? If yes, frequency: _____	☐	☐	☐	☐
Are there provisions for automatically correcting the A/C content and moisture of the RAP?	☐	☐	☐	☐
Is the flow of aggregate/RAP dry weight displayed in appropriate units of weight, time and totaled?	☐	☐	☐	☐
Is it equipped with means of diverting aggregate/RAP on the conveyor belt, away from the dyer and capable of being emptied into clean haul truck?	☐	☐	☐	☐

Remarks:

Aggregate Dryer

	Yes	No
Is the dryer adequate to maintain the required temperature, and at a consistent rate	☐	☐
Are the dryers in satisfactory working condition	☐	☐

Dryer Fuel Type:

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Emission Controls for Dust Collector Fines - IR 160 Section 9

Manufacturer and Model No. of dust collector: _____

How is dust returned and collected? _____

	Yes	No
Can the dust collector provide adequate dust return?	☐	☐
Is the bag house or other dust collection/return system, in good working condition & maintained?	☐	☐

Remarks:

Surge and Storage Systems (Silos) - IR 160 Section 10

How many surge or storage bins? (Silos):_____

Capacity: Bin 1: Bin 2: Bin 3: Bin 4: Bin 5: Bin 6:

	Yes	No
Are Silo gates maintained and in good working order?	☐	☐
Do surge and storage bins (Silos) have a heated gate system?	☐	☐
Per **IR 160 10.2**, are Storage Silos permitted for storage?	☐	☐
Will the Silos be emptied completely at the end of each day of production?	☐	☐

Remarks:

Mineral Filler (P200) - IR 160 Section 11

	Yes	No
Is mineral filler required? (if no, skip the rest of the questions in this section)	☐	☐
Is there a separate bin and feed system for mineral filler?	☐	☐
Is it accurate with in ±10 percent of the filler required by weight?	☐	☐
Has the mineral filler feed system been calibrated? If yes, date: _____	☐	☐
Does it have interlocks with the aggregate feed or weigh system to maintain the correct proportions for all rates of production?	☐	☐
Per **IR 160, 11.4**, is there flow indicator or sensing device?	☐	☐
For Drum Plants, is mineral filler at least 18” inches before introduction of asphalt binder?	☐	☐

Remarks:

Hydrated Lime Treatment System - IR 160 Section 12

	Yes	No
Is hydrated lime required? (if no, skip the rest of the questions in this section)	☐	☐
Is aggregate coated hydrated lime at least 18” inches before introduction of asphalt binder?	☐	☐
Is it accurate with in ±10 percent of the filler required by weight?	☐	☐
Has the Hydrated Lime Treatment System been calibrated? If yes, date: _____	☐	☐
Are there interlocks on the aggregate feed/weigh system to maintain the correct proportions for all rates of production	☐	☐
Per **IR 160, 12.5**, are there flow indicators or sensing device?	☐	☐

Remarks:

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Fiber Supply System - IR 160 Section 13

	Yes	No
Is stabilizing fiber required? (if no skip rest of questions in this section)	☐	☐
Is there a separate bin and feed system for fiber?	☐	☐
Is it accurate with in ±10 percent of the filler required by weight?	☐	☐
Is the fiber supply system calibrated? If yes, date: _____	☐	☐
Is there a digital display of output of feed rate, for verification of feed rate?	☐	☐
Are there interlocks with the aggregate feed/weigh system?	☐	☐
For drum plants, is fiber uniformly dispersed prior to injection of asphalt binder?	☐	☐

Remarks:

Calibration of Plant Equipment - IR 160 Section 14 (IR 155)

Is the Scale(s) Calibrated

	Yes	No	Date
Type of scale/number: _____	☐	☐	_____
Type of scale/number: _____	☐	☐	_____
Type of scale/number: _____	☐	☐	_____
Type of scale/number: _____	☐	☐	_____

per IR 155, Cold Feed Bin Verification within +-0.1%?

	Tons/Hour_____ High Range Yes	High Range No	Tons/Hour_____ Low Range Yes	Low Range No	Date	
Bin Number: _____	☐	☐	☐	☐	_____	**Attach plant printouts & scale weights to report.**
Bin Number: _____	☐	☐	☐	☐	_____	
Bin Number: _____	☐	☐	☐	☐	_____	
Bin Number: _____	☐	☐	☐	☐	_____	
Bin Number: _____	☐	☐	☐	☐	_____	
Bin Number: _____	☐	☐	☐	☐	_____	
Bin Number: _____	☐	☐	☐	☐	_____	

	Yes	No	Tons/Hour: _____ Date	Verification Date
Is the total belt scale weight within +-0.5%, **IR 155** Mid-range within +-0.1%?	☐	☐		
Bin Number: _____	☐	☐		
Bin Number: _____	☐	☐		
Per **IR 155**, total belt scale weight within +-0.5%, verified by Dept?	☐	☐	_____	_____
Asphalt meter accuracy within +- 0.5% of metered quantity to weight quantity?	☐	☐		
Print out of plant calibration accurate?	☐	☐		
Verified belt scales or cold feeder?	☐	☐		

Remarks:

Thermometric Equipment IR 160 Section 15

	Yes	No	Date
Is the plant equipped with recording thermometer for Binder storage tanks?	☐	☐	_____
Is the plant equipped with recording temperature of dryer or pug mill?	☐	☐	_____
Are the thermometer calibrations records current? Last calibration date:_____	☐	☐	_____

Remarks:

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Plant Laboratory and Plant QCP - IR 160 Section 16, 17, 18, 19

	Yes	No
Plant QC Testing Laboratory Qualification Number & Location: _____		
Is there a current and approved Hot Plant Quality Control Plan in place Date Approved: _____	☐	☐

Remarks:

Safety and Inspection Provisions

	Yes	No
Are sampling locations safe and convenient for technicians	☐	☐
Is the asphalt plant in complete compliance with OSHA / MSHA latest inspections	☐	☐

Remarks:

Conclusion

Remarks or Notes Pertaining to Inspection or Evaluation:

Inspected By:	**Position Title:**	**Inspection Date**
Asphalt Plant Representative:	**Position Title:**	**Inspection Date**

Date Reviewed	**Resident Engineer or Project Manager / District No.**