BITUMINOUS CONCRETE PLANT INSPECTION

DATE INSPECTED BY
NAME OF PRODUCER
PLANT LOCATION PLANT NO.
PLANT FOREMAN
MAKE OF PLANT & CAPACITY PERM. PORTABLE
TELEPHONE NO. PLANT SCALE HOUSE

AUTOMATION:	
Make:	Model:

RAP System:	No	Yes
Does the plant have the means to introduce RAP into the mixture?		
Type:	Make:	
Date tested and sealed:	By whom:	

MATERIAL SOURCES:
Coarse Aggregate:
Fine Aggregate:
RAP:
PG Binder:
Other:

STOCKPILES:	No	Yes
Are piles separated?		
How separated?		
Is the plant equipped with a safe and accessible sampling rack?		

Describe the general condition of the plant, additional information, and remarks. List any changes or modifications made to the plant since the last inspection.

406.05(a)(1) TRUCK SCALES:		No	Yes
Make:	Capacity:		
Length:	Width:		
Does plant have an approved truck scale?			
Does truck scale have weather tight building meeting all requirements of section 406.05(a)(1)?			
Is platform large enough to weigh all vehicles in one draft?			
Date sealed:	By whom:		

406.05(a)(2) EQUIPMENT FOR PREP OF BITUMINOUS MATERIAL ASPHALT TANKS:					No	Yes
Capacity:	No. 1	No. 2	No. 3	No. 4		
Method of heating:	No. 1	No. 2	No 3	No. 4		
Are storage tanks insulated?						
Do all tanks have acceptable sampling valves?						
Do materials circulate continuously?						
Is discharge of pipe below surface?						
Are all lines and fittings properly insulated?						
Does asphalt supply line have an acceptable sampling valve?						

406.05(a)(3) FEEDER FOR DRIER:	No	Yes
Does plant have accurate means to mechanically feed drier for uniform production?		

406.05(a)(4) DRIER:	No	Yes
Is the plant equipped with a drier capable of heating and drying aggregates to specification requirements?		

406.05(a)(5) SCREENS:	No	Yes
Is plant equipped with screens that comply with specifications? (batch plants only)		

406.05(a)(6) COLD STORAGE BINS:				No	Yes
Is plant equipped with cold bins complying with specifications?					
Are all fine aggregate bins equipped with appropriate belt type feeders?					
Type of Feeders:	No. 1	No. 2	No. 3	No. 4	
	No. 5	No. 6	No. 7	No. 8	

406.05(a)(7) HOT BINS: (batch plant only)	N/A	No	Yes
Does plant have a minimum of four hot bins?			
Does each bin have properly operating overflow pipe?			
Do bins have sensors devices to indicate the position of aggregate in the bins at the lower quarter point?			
Is plant equipped with appropriate means to introduce mineral filler?			

406.05(a)(8) BITUMEN CONTROL UNIT:		No	Yes
Is plant equipped with appropriate means to either, meter or weigh bitumen?			
If equipped with a bitumen meter, does metering device comply with specification?	N/A		
If "yes", date tested:			

406.05(a)(9) THERMOMETRIC EQUIPMENT:	No	Yes
Does A/C line have an accurate armored thermometer in a suitable location near asphalt discharge valve?		
Does plant have an approved recording instrument at the end of aggregate discharge chute?		

406.05(a)(10) CONTROL OF MIXING TIME:	No	Yes
Is the plant equipped with a positive means to govern the time of mixing?		

406.05(a)(11) DUST COLLECTORS:	No	Yes
Is the plant equipped with a dust collection system capable of eliminating the exhaust (dust) into the atmosphere?		
Is the plant equipped with an approved metering or weighing system for reintroduction of baghouse fines into the mixture?		

406.05(a)(12) TESTING FACILITY-REFER TO SEPARATE LABORATORY INSPECTION DOCUMENTS

406.05(a)(13) SAFETY REQUIREMENTS:	No	Yes
Are all stairways to mixer platform adequate and safe?		
Are all moving parts, gears, and heating lines etc. thoroughly guarded and protected?		
Is plant further equipped with safe and adequate accessibly to all plant operations?		

406.05(a)(14) SURGE OR STORAGE BINS:		No	Yes
Does the plant have surge bin(s) (one used for short-term storage, typically not insulated or heated)?			
Number:	Capacity:		
Does the plant have storage silo(s) (one that is typically heated, insulated and sealable for long-term storage)?			
Number:	Capacity:		
Storage facility scale type: Motor Truck	Batcher		
Date sealed:	By whom:		

SECTION 406.05 **(b) Requirements for Batching Plants** **N/A**

406.05(b)(1) WEIGH BOX OR HOPPER:	No	Yes
Is plant equipped with a weigh box or hopper meeting the specifications requirements?		

406.05(b)(2) AGGREGATE SCALES:	No	Yes
Is plant equipped with an aggregate scale or weigh hopper meeting the specifications requirements?		
Does contractor have an adequate means for checking scale accuracy?		
How is this check made?		
Date tested and sealed:	By whom:	

406.05(b)(3) BITUMEN BUCKET:	No	Yes
Is plant equipped with a Bitumen Bucket meeting the specifications requirements?		

406.05(b)(4) BITUMEN SCALES:	No	Yes
Is plant equipped with a Bitumen scale meeting the specifications requirements?		
Date tested and sealed:	By whom:	

406.05(b)(5) MIXER UNIT FOR BATCH METHOD:	No	Yes
Is plant equipped with twin pugmill type batch mixer meeting the specifications requirements?		

406.05(b)(6) RECORDING:	No	Yes
Is plant equipped with a recording system that prints the weight of the bitumen, the weight of the aggregate, and the total combined weight of both in addition to printing the combined net weight of each load?		

SECTION 406.05 (c) Requirements for Drum-Mix and Continuous Mix Plants N/A

406.05(c)(1) AGGREGATE COLD BIN FEEDERS:	No	Yes
Is plant equipped with non-gravity type feeders capable of feeding aggregate accurately and uniformly?		
Are aggregate feeder openings adjustable and graduated?		
Are all aggregate feeders interlocked so that production is interrupted if aggregate bin becomes empty or if aggregate flow obstructed?		

406.05(c)(2) MINERAL FILLER SYSTEM:	N/A	No	Yes
Is mineral filler being added from a bin and feeder separate from aggregate cold feed bins?			
Is mineral filler system capable of feeding the mineral filler at adjustable rates accurately and uniformly?			
Is mineral filler system interlocked so that production is interrupted if mineral filler bin becomes empty or if flow obstructed?			

406.05(c)(3) AGGREGATE WEIGHING EQUIPMENT:		No	Yes
Is plant equipped with a continuous weighing device to proportion all aggregates and mineral filler?			
Device type:	Belt Scale	Other	
If "Other" is the device been approved for agency projects?			
Date sealed:	By whom:		

406.05(c)(4) BITUMEN CONTROL UNIT:	No	Yes
Is plant equipped with a bitumen meter?		
Is bitumen control unit equipped with a flow is interrupted if the delivery line between the meter and the mixer?		
Is the bitumen control unit equipped with a temperature compensating device to correct the quantity of asphalt to a temperature of 60°F		

406.05(c)(5) PROPORTIONING CONTROL:		No	Yes
Is plant equipped with a master control panel capable of increasing or decreasing the production rate of all aggregates, mineral filler (when used) and bitumen without having to reset the individual controls?			
a) Aggregate Feed Rate Control	Is plant equipped with an adjustable feed rate controls for each aggregate cold bin feeder and mineral filler feeder meeting specification requirements?		
b) Aggregate Weight Indicator	Is plant equipped with an aggregate weight indicator displayed in the control room meeting the specification requirements?		
c) Aggregate Moisture Compensator	Is plant equipped with an aggregate moisture compensation device meeting specification requirements?		
d) Bitumen Control	Is the plant equipped with bitumen control system meeting specification requirements?		
e) Bitumen Quantity Indicator	Is plant equipped with bitumen quantity indicator in the control room meeting specification requirements?		

406.05(c)(6) RECORDATION OF PRPORTIONS:	No	Yes
Is the plant equipped with an approved digital recording device ("demand ticket") that simultaneously records the accumulated weight of dry aggregate and Bitumen separately during production time and on demand?		

Plant inspection Punch List

Inspection Performed on: _____

Plant Issues:

Inspected By: _____

Plant Representative: _____