

CONCRETE PLANT EQUIPMENT INSPECTION REPORT

PRODUCER LOCATION	INSPECTION DATE
	PROJECT NUMBER

PLANT IDENTIFICATION

SINGLE	CENTRAL MIX	PORTABLE
TWO STOP	TRANSIT MIX	STATIONARY
SOURCE AND TYPE OF CEMENT	SOURCE OF AGGREGATE FINE AGGREGATE (FA) COARSE AGGREGATE (CA)	

SECTION I YARD LAYOUT

TESTED AGGREGATE STORAGE, STOCKPILES	METHOD OF CHARGING PLANT
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SECTION II PLANT MATERIAL STORAGE AND BATCHING EQUIPMENT

CEMENT:	MANUFACTURER	CAPACITY
FEED TO WEIGH HOPPER		
SINGLE	TWO SPEED	SCREW
GRAVITY WITH AIR _____		
RATED CAPACITY OF WEIGH HOPPER		

SPLIT BATCHING	NOT REQUIRED	PROVISIONS FOR SAMPLING
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AGGREGATE:	MANUFACTURER	CAPACITY
COMPARTMENT CAPACITY (Tons)		
1	2	3
4	5	
FEED TO WEIGH HOPPER		
SINGLE		TWO SPEED _____
RATED CAPACITY OF WEIGH HOPPER		

SPLIT BATCHING	NOT REQUIRED	PROVISIONS FOR SAMPLING
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PROVISIONS FOR HEATING

STATE TESTED AGGREGATE BATCHED INDEPENDENTLY FROM COMMERCIAL FA CA

REMARKS

METHOD OF CHARGING: TRUCK CENTRAL MIXER(S)

CEMENT:	CHARGED FROM OVERHEAD AT MIXER STATION CHARGED TO BELT CONVEYOR TO MIXER STATION	WATER:	CHARGED TO HOLDING TANK & SEQUENCED TO MIXER CHARGED TO MATERIAL COLLECTING RING AT MIXER STATION
AGGEGATE:	CHARGED FROM OVERHEAD AT MIXER STATION CHARGED TO BELT CONVEYOR TO MIXER STATION	ADMIXTURE:	CHARGED TO MIX WATER CHARGED TO FINE AGGEGATE IN WEIGH HOPPER CHARGED TO MATERIAL COLLECTING RING

SECTION III MIXING

CENTRAL MIXER

DRUM TURBINE	MANUFACTURER	RATED CAPACITY	MIXING SPEED	MIXER BLADES
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HAULING UNITS

AGITATING UNITS (Manufacturer)	NUMBER	NON-AGITATING UNITS (Manufacturer)	NUMBER
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TRANSIT MIXERS

NUMBER UNITS IN FLEET	MANUFACTURER
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TO BE USED ON STATE PROJECTS	
NUMBER	

MIXING CAPACITY

AGITATING CAPACITY

MIXING SPEED

AGITATING SPEED

WATER TANK CAPACITY

MINIMUM GRADUATION

REVOLUTION COUNTER

MIXER BLADES

REMARKS

SECTION IV PROPORTIONING EQUIPMENT

CEMENT			SCALE CAPACITY	INCREMENTS
DIAL	BEAM	LOAD CELL		

MANUFACTURER	AUTO	SEMI-AUTO	MANUAL	INTERLOCKED
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INTERLOCK BY-PASS - BY SWITCHING TO MANUAL CONTROL POSITION AND/OR

AGGREGATE			SCALE CAPACITY	INCREMENTS
DIAL	BEAM	LOAD CELL		

MANUFACTURER	AUTO	SEMI-AUTO	MANUAL	INTERLOCKED
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INTERLOCK BY-PASS BY SWITCHING TO MANUAL CONTROL POSITION AND/OR

WATER			CAPACITY	INCREMENTS
METER	SCALE	LOAD CELL		

MANUFACTURER	AUTO	SEMI-AUTO	MANUAL	INTERLOCKED
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INTERLOCK BY-PASS - BY RESETTING METER AND/OR

ADDITIONAL MIX WATER METERED

SECTION V AUTOMATIC CONTROL SYSTEM

MANUFACTURER

SEQUENCING OF MATERIALS	ALL MATERIALS WEIGHED AND METERED SIMULTANEOUSLY
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AGGREGATES WEIGHTED CUMULATIVELY

COMPONENTS

PROGRAMMING

MATERIAL FEED CONTROL

SINGLE START WHEN IN AUTO. CONTROL POSITION	INDIVIDUAL START WHEN IN MANUAL CONTROL POSITION
BIN SELECTORS (Each Cement)	BIN SELECTORS (Each Aggregate)

BATCH SIZE SELECTOR

AUTOMATIC MOISTURE COMPENSATOR	MOISTURE SENSOR
CENTRAL MIXER TIMER INTERLOCKED	SLUMPMETER

DIAL SCALES EQUIPPED WITH DIAL PULLERS

PROPORTIONING ADJUSTMENTS

MID-AIR COMPENSATOR

BITE SIZE (Cement)	BITE SIZE (Aggregate)	TIME BETWEEN MATERIALS
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MATERIAL FEED RECOVERS IF UNDERWEIGHT

SECTION VI TOLERANCE ADJUSTMENTS

CEMENT INDEX

AGGREGATE INDEX

ZERO BALANCE INDEX

SECTION VII INTERLOCKING TOLERANCE INSPECTION RESULTS

SECTION VIII ADMIXTURE DISPENSING EQUIPMENT-OPERATION

AIR-ENTRAINING:	MANUFACTURER
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WATER REDUCER:	MANUFACTURER
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RETARDER:	MANUFACTURER
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SECTION IX BASIS OF ACCEPTANCE

Standard specification meets MDOT	Meets Supplemental Specification for Concrete Proportioning Plants included in the proposal for the above project.
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SECTION X SPECIFICATION DEFICIENCIES

REMARKS

INSPECTION BY MATERIALS & TECHNOLOGY DIVISION (Name)	DATE
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Construction Field Services (CFS) - Concrete Engineer
 Project Engineer
 Region Soils/Materials.