CHIP SEAL CONSTRUCTION INSPECTOR CHECKLIST

JOB NUMBER	ROUTE	INSPECTOR N	AME	DATE
PRIME CONTRACTOR		s	UBCONTRACTOR(S) (If a	pplicable)
WEATHER (Clear or Overca	at Tomp Humidity of			
WEATHER (Clear of Overca	ist, temp, numuity, et	,)		
DOCUMENT REVIEW				
Daily Report				
Load Tickets Job Mix Formula				
MATERIALS (Per 505.02	2)			
34CS (Single Cour CS-T (Top Course Moisture content of Aggregate stockpile Coarse Aggregate	gregate, note sup se, or First Course of of Double Chip Sea f aggregate < 4% es are free of standi Stockpile Daily San	ing water and no soil ben	eath is being scooped ir	nto trucks
EMULSION				
CSEA Suppli		lier of on-site material,	compare with the sub	omitted MSL
CRS-2M Suppli	er:			
CONSTRUCTION (Per 5 PAVEMENT PREPARAT				
If applicable, overb If applicable, overb Special markings a	oand pretreatment w oand pretreatment w are removed	vas performed and all cra vas done at least 7 days p o remove loose material		
EQUIPMENT				
Pressure Distributor Equipped with com		on rate and speed control		
	ar ground-sensing d application fan spray			
All nozzles are free	e of clogs		n Poto" postion)	
Chip Spreader	Istributor has been	checked (see "Applicatio	IT Rate Section)	
Equipped with com	puterized speed co			
	nd settings have been is following closely t			
		r has been checked (see	"Application Rate" section	on)
Compacting Equipm At least 3 rollers wi		hat have a smooth tire su	ırface	
Rollers weigh at lea Rollers travel no gr	ast 8 tons			
	nutes between chip	spreading and initial rolli	ng	
Brooms				
Bristles are proper Broom can be adju	length isted to avoid exces	sive pressure		
		tones have been cleared	from roadway	

EATHER	
Pavement and ambient temperature at least 55° F at time of placement ° F	
Pavement temp is below 130° F at time of placement ° F	
Air temps will be above 40° F within 24-hours of placement	
Weather is clear with no fog or rain during placement	
PPLICATION RATE	
Coarse Aggregate (per QC Sampling and Testing 505.03.G.2)	
a. Weigh 1 yd² tarp or geotextile material: W _{Tare} = Ibs	
 Place the tarp or geotextile on the roadway 	
c. Have the chip spreader apply the aggregate over the tarp or geotextile	
d. Weigh the tarp or the geotextile material with the aggregate: W _{Gross} = lbs	
e. Subtract the two numbers to obtain the application rate of aggregate: $W_{Agg} = W_{Gross} - W_{Tare} =$	lbs/yd²
Application rate of aggregate (WAgg)is within ± 1 pound of JMF application rate	
Emulsion QC and Testing (per QC Sampling and Testing 505.03.G.2)	
a. Park the distributor on level ground, measure the emulsion, and recover the number of gallons are	ea of emulsion
(note: not aconversion) G _{Initial} = gal	
b. Measure off a 1000-foot-long test section and multiply by width and divide the result by 9 to find the	ne area
$A = (1000 \text{ ft x} ext{ ft}) \div 9 = ext{yd}^2$	
c. Have the distributor apply emulsion to the test section	
d. Park the distributor on level ground and remeasure and record the gallons of emulsion: G _{Final} =	gal
e. Subtract the two numbers to obtain the gallons of emulsion applied: $G_A = G_{Initial} - G_{Final} =$	gal
f. Divide the gallons applied by the area covered by emulsion to find the application rate: $G_A/A =$	gal/yd²

* This checklist is intended to aid inspectors with a convenient list of select chip seal specification requirements and procedures to look for during construction. This list is not inclusive of all specification requirements during construction. The 2020 Standard Specifications for Construction, project proposal, and contract documents take precedence in case of a conflict with this checklist.