



2880 International Circle, Suite 110  
 Colorado Springs, CO 80910  
 Phone 719-520-6300  
 Fax 719-520-6695  
 www.elpasoco.com

## EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT

### ASPHALT MIX DESIGN CHECKLIST

Revised: January 2022

<b>Asphalt Mix Design</b>		
Each of the individual materials that go into hot mix asphalt shall meet the requirements of the latest edition of the Pikes Peak Region Asphalt Paving Specifications, and asphalt shall be placed according to those specifications. Hot mix asphalt shall be a mixture of aggregate, approved filler or additives, and asphalt binder, and may include reclaimed asphalt pavement. The mix design shall be submitted for review and approval at the beginning of each paving season.		
	<b>Applicant</b>	<b>PCD</b>
<b>Please confirm each item below has been included by placing a check mark in the "Applicant" column. See right for an example. The "PCD" column is for office use only.</b>		<b>✓</b> Office use only
1	Source of materials shown	
2	Type of Aggregate Gradation:	
	Grading S	
	Grading SX	
	Grading ST	
3	Sieve analysis meets provided aggregate gradation	
4	Specific gravity shown	
5	Description of individual aggregates	
6	Aggregate Physical Properties provided:	
	L.A. Abrasion meets 45% max.	
	Sodium Sulfate Soundness meets 12% max.	
	Fractured Faces (2 min.) meets 70% min.	
	Fine Aggregate Angularity, Method A:	
	40% min. - traffic level low to moderate, trails and pathways	
	45% min. - traffic level high and parking lots	
	Sand Equivalent meets 45% min.	
	Flat and Elongated Particles meet 10% max.	
	Adheremt Fines meets 0.5 max (ASTM D 5711)	
	Micro-Deval meets 18% max.	
7	Asphalt Grade Binder:	
	Source	
	Certification	
	Grade (2019 - PG 58-28, PG 64-22)	
8	Proposed Job Mix Formula:	
	Aggregate and additive blending shown	
	Final gradation shown on a 0.45 graph	
	Optimum binder content shown	
9	Mixing and compaction temperatures shown	



2880 International Circle, Suite 110  
Colorado Springs, CO 80910  
Phone 719-520-6300  
Fax 719-520-6695  
www.elpasoco.com

**EL PASO COUNTY PLANNING AND  
COMMUNITY DEVELOPMENT  
DEPARTMENT**

**ASPHALT MIX DESIGN CHECKLIST**

10	A minimum of four binder contents provided to determin optimum mixture properties		
11	Mixture properties shown:		
	Design Gyration: 50 - Trails and Parking Lots, 75 - All traffic levels		
	Hveem stability meets 28 min.		
	Voids Filled w/ Asphalt (VFA), %: 70-80 - Trails and Parking Lots, 65-80 - All traffic levels		
	Tensile Strength Ratio retained meets 80% min.		
	Dry Split Tensile Strength meets 30 PSI min.		
	Dust to Asphalt Ratio meets 0.6 - 1.2		
12	Graphs showing mixture propertes vs. binder content		
13	Product name and manufacturer of any addtives shown		