



ENGINEERS & SURVEYORS INSTITUTE
Peer Review Checklist
FAIRFAX COUNTY



PAVEMENT DESIGN REVISION

Plan Name: _____ Plan #: _____ District: _____
 Submitting Firm: _____ Project Coordinator: _____
 Street Name: _____
 Designated Plans Examiner #: _____ Name: _____ Phone #: _____
 Review Date: _____ ESI Reviewer: _____ Reviewer's firm: _____

* = Plan non acceptable if any * box is marked w/o explanation on plan or alternate solution noted

LINE	CODE SECTION	REQUIREMENT	SHEET	OK	NO	N/A	FFX
1	DEM REQMT	5 copies if street is less than 1000 VPD or is a private street					
2	DEM REQMT	Plan does not include widening of VDOT streets					
3	DEM REQMT	All plan sets have lab CBR test stapled on the left side			*		
4	DEM REQMT	Geotechnical engineer signed/sealed/dated			*		
5	DEM REQMT	Submitting engineer signed, sealed, dated all plan sheets and VDOT worksheet, original on 1 set			*		
6	ESI TEC BUL 6#3	DPE certification per item 2 ESI Technical Bulletin Vol. 6#3					
7	VDOT PDG PG 21	Flexible pavement design worksheet Appendix IV used (use engr's ph #)			*		
8	PFM 7-0501.2	Vaswani Method not to be used if any CBR less than 4			*		
9	VDOT WORKSHEET	Subdivision and street name shown with limit included in revision			*		
10	VDOT WORKSHEET	Traffic volume for each street or segment shown					
11	VDOT PDG PG 3.2	Plan or report indicates location of test holes			*		
12	PFM 7-0501.2B	Minimum of 2 samples required for cul-de-sac or street less than 500 ft			*		
13	VDOT PDG PG 3 2.a.3)	If street greater than 500 feet, samples required with each 500 feet.			*		
14	VDOT PDG PG 3 2.a.3)	Samples required at intersections with existing state streets					
15	VDOT WORKSHEET	CBR values of samples taken as tested shown			*		
16	VDOT WORKSHEET	Resiliency factor values shown					
17	VDOT WORKSHEET	Design CBR shown (2/3 of average of test CBR values)			*		
18	VDOT WORKSHEET	Lowest resiliency factor used in equation					
19	VDOT WORKSHEET	Soil support value shown					
20	VDOT WORKSHEET	Step 3 has either box (A) or (B) checked					
21	VDOT WORKSHEET	Thickness index shown if box (B) was checked					
22	VDOT WORKSHEET	Material notation complete			*		
23	VDOT WORKSHEET	Thickness index of proposed pavement greater than index required			*		
24	VDOT PDG PG 20	Minimum/maximum layer thickness per Appendix III			*		
25	VDOT	Mica Content – None, Low, High					
26	VDOT PDG PG 10 B.3	Base plus subbase aggregate layer not to exceed 12 inches (for calculation purposes only)[greater than 12" is permitted to replace unsuitable materials but is not used in the calculation]					
27	VDOT PDG PG 10 B.1.a	Maximum surface thickness 2 ¾ inches if staged, 2 inches if not					
28	VDOT PDG PG 10 B.2	Maximum base aggregate 8 “, any additional is considered subbase					
29	VDOT PDG PG 3	Atterburg test required if more than 35% of subgrade soil pass the # 200 sieve			*		
30	VDOT PDG PG 3	Geotechnical soil stability statement included if greater than 35%			*		
31	VDOT PDG PG 11 A.5	Cement treated aggregate used over 4 inches of untreated aggregate if soil support value is less than 2					
32	FOR CONTRACTOR	Typical section revision matches revised design computations			*		
33	PFM 2-0211.3.C	All changes on plan sheets are circled in red					

34	PFM 2-0211.3.D	Sheets have revision block for approval signature			*		
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