

**ENGINEERS & SURVEYORS INSTITUTE
Designer Plan Preparation and Peer Review Checklist
FAIRFAX COUNTY**

PAVEMENT DESIGN REVISION

Street eligible for ESI peer review only if it is a new subdivision street with traffic volume of 1000 VPD or less and plan is certified by a Designated Plan Examiner



= Plan non acceptable if any * box is marked without explanation on plan or alternate solution noted

Plan Name _____ Plan # _____

Submitting Firm _____ Project _____
Coordinator _____

Street Name _____

Designated Plans Examiner # _____ Name _____ Phone # _____

Review Date _____ ESI Reviewer _____ Reviewer's firm _____

CODE SECTION	REQUIREMENT	OK	NO	N/A	LINE
DEM REQMT	5 copies if street is less than 1000 VPD or is a private street				1
DEM REQMT	Plan does not include widening of VDOT streets				2
DEM REQMT	All plan sets have lab CBR test stapled on the left side		*		3
DEM REQMT	Geotechnical engineer signed/sealed/dated		*		4
DEM REQMT	Submitting engineer signed, sealed, dated all plan sheets and VDOT worksheet, original on 1 set		*		5
ESI TEC BUL 6#3	DPE certification per item 2 ESI Technical Bulletin Vol. 6#3				6
VDOT PDG PG 21	Flexible pavement design worksheet Appendix IV used		*		7
PFM 7-0406.14.H	Vaswani Method not to be used if any CBR less than 4		*		8
VDOT WORKSHEET	Subdivision and street name shown with limit included in revision		*		9
VDOT WORKSHEET	Traffic volume for each street or segment shown				10
VDOT PDG PG 3.2	Plan or report indicates location of test holes		*		11
PFM 7-0406.14.H	Minimum of 2 samples required for cul-de-sac or street less than 150 m		*		12
VDOT PDG PG 3 2.a.3)	If street greater than 150 m samples required with each 150 m		*		13
VDOT PDG PG 3 2.a.3)	Samples required at intersections with existing state streets				14
VDOT WORKSHEET	CBR values of samples taken as tested shown		*		15
VDOT WORKSHEET	Resiliency factor values shown				16
VDOT WORKSHEET	Design CBR shown (2/3 of average of test CBR values)				17
VDOT WORKSHEET	Lowest resiliency factor used in equation				18
VDOT WORKSHEET	Soil support value shown				19
VDOT WORKSHEET	Step 3 has either box (A) or (B) checked				20
VDOT WORKSHEET	Thickness index shown if box (B) was checked				21

VDOT WORKSHEET	Material notation complete		*		22
VDOT WORKSHEET	Thickness index of proposed pavement greater than index required		*		23
VDOT PDG PG 20	Minimum/maximum layer thickness per Appendix III		*		24
VDOT PDG PG 10 B.3	Base plus subbase aggregate layer not to exceed 12 inches				25
VDOT PDG PG 10 B.1.a	Maximum surface thickness 2 ¾ inches if staged, 2 inches if not				26
VDOT PDG PG 10 B.2	Maximum based aggregate 8 “, any additional is considered subbase				27
VDOT PDG PG 3	Atterburg test required if more than 35% of subgrade soil pass the # 200 sieve		*		28
VDOT PDG PG 3	Geotechnical soil stability statement included if greater than 35%		*		29
VDOT PDG PG 11 A.5	Cement treatment aggregate used over 4 inches of untreated aggregate if soil support value is less than 2				30
FOR CONTRACTOR	Typical section revision matches revised design computations		*		31
PFM 2-0211.3.C	All changes on plan sheets are circled in red				32
PFM 2-0211.3.D	Sheets have revision block for approval signature		*		33