

I-95 HOV/HOT Lanes Project

Exhibit C

Technical Requirements

Attachment 1.5c

Approved Design Exceptions, Design Waivers and Other Approvals Prior to Commercial Close

Attachment 1.5c

List of Design Exceptions/Waivers

The attached list of Design Exceptions (DEs) and Design Waivers (DWs) is subject to change throughout the design development process. Additional Design Exceptions and Design Waivers that are identified and approved throughout the design development process will be added and/or deleted from the attached list by addendum.

It is further noted that if any element of an approved Design Exception or Design Waiver is changed during construction or design, the Concessionaire is required to re-submit the DE/DW package for reevaluation and approval by the Department and FHWA, if necessary.

Number	Name	Description	Date Approved (FHWA) *
DE 1	Reduced HOV/HOT Lanes and Shoulders Widths From HOV/HOT Sta. 840+00 to HOV/HOT Sta 1536+00	Project-wide HOV/HOT lane and shoulder width	25 May 2012
DE 2	Reduced HOV/HOT Lanes and Shoulders Widths On 7 HOV/HOT Bridges	7 Bridges HOV/HOT lane and shoulder width	25 May 2012
DE 3-1	Reduced Northbound General Purpose Shoulders Widths at Franconia Springfield Parkway	GP shoulder widths at F-S Pkwy.	25 May 2012
DE 3-2	Substandard Northbound and Southbound General Purpose Shoulders Widths From HOV/HOT Sta. 1458+00 (North of NSRR) To HOV/HOT Sta. 1559+00 (Northern Project Limit)	Substandard GP shoulder widths at F-S Pkwy.	25 May 2012
DE 4	Substandard HOV/HOT Lane Bridge Vertical Clearance under Gordon Boulevard	HOV/HOT Vertical Clearance at Gordon	25 May 2012
DE 5	Substandard Superelevation Rate on I-95 HOV/HOT Lanes From north of the Occoquan River to the US 1 Interchange (Includes Two Bridges)	HOV/HOT Superelevation	25 May 2012
DE 6	HOV/HOT and GP Shoulder Width Reduction due to Bridge Piers (16 Locations)	Shoulder width at bridge piers (blisters)	-
DE 9	Substandard Superelevation Rate on I-95 HOV/HOT Lanes From north of the Occoquan River to the US 1 Interchange (Includes Two Bridges)	Reduced shoulder width at miscellaneous structures (blisters)	25 May 2012

* In the case of the Design Exceptions (DEs), "Date Approved" refers to the date in which the DE was approved by Federal Highway Administration (FHWA), which follows VDOT approval. VDOT approval alone does not constitute approval of a Design Exception.

EXECUTION VERSION – JULY 31, 2012

Number	Name	Description	Date Approved (VDOT) **
DW 1-1	Vertical Clearance Roadway under HOV/HOT Ramp C	Substandard Vertical Clearance at Ramp C	19 June 2012
DW 1-2	Vertical Clearance Roadway under HOV/HOT Furnace Road	Substandard Vertical Clearance at Furnace Road	19 June 2012
DW 2	Vertical Clearance Roadway over HOV/HOT	Vert. Clr at F-S Pkwy and at Franconia Rd.	-
DW 3	Reduced Ramp Recovery Area	Exit Ramp Recovery Areas at Six Locations	30-Nov-11
DW 3 Addendum #1	Addendum #1		9 July 2012
DW 4	Compound Curves – HOV/HOT Lanes	Curve Radii Ratio - Seven locations	8-Nov-11
DW 4 Addendum #1	Addendum #1		14 June 2012
DW 5	Reduced Shoulder Width on Cross Road	Franconia-Springfield Pkwy shoulder width	-
DW 6	Vertical Grade Turkeycock Flyover Ramp	Ramp Grade	8-Nov-11
DW 8	Design Waiver for Paved Shoulders	Reduced pavement structure in Segment 1	-
DW 9	Epoxy Coated Steel Reinforcing in Lieu of Corrosion Resistant Reinforcing	Change from Corrosion Resistant Rebar to Epoxy Coated Rebar	-
DW10	Substandard HOV/HOT Ramp Shoulder Widths (10 Locations)	Ramp Shoulder widths	21-Feb-12
DW 11	Substandard Ramp Superelevation Transitions (Three Locations)	Ramp SE Transitions	17-Feb-12
DW 12	Substandard Ramp Sag Vertical Curve K-Value (Two Locations)	Ramp Sag Vertical Curve K-Value	17-Feb-12
DW15	GS-11 Shoulder Deviation (Segment 2)	Shoulder Elevation	-

** In the case of the Design Waivers (DWs), "Date Approved" refers to the date in which the DW was approved by VDOT. Federal Highway Administration (FHWA) approval of Design Waivers is not required.