

Design Variances

DESIGN VARIANCES

- 1 Deviation: Right Turn Corner. DM 1310.07, July 2010.
- 2 Deviation: Turning Roadway Width. DM 1240.04, June 2009.
- 3 Deviation: Access Spacing. DM 540.05(4), June 2009. Approved by the City of Kent.
- 4 Evaluate Upgrade: Shoulder Cross Slope. DM 1230.04(3), June 2009.
- 5 Design Exception: Lane Width. DM 1130.04(1), June 2009.

Type of variance, variance, design standard, date of standard
 Comments on Design Variances
 1. The design variances for each sheet shall be listed on that sheet.
 2. Design variances include deviations, evaluate upgrades, design exceptions, project analyses, and corridor analyses.
 3. Design variance numbers shall correspond to the number on the design variance document.
 4. Symbol and number shall be placed on the plan sheet(s) showing the location of each variance.
 5. Access variances inside incorporated areas are approved by that city.

Cadastral Information T. 22N. R. 4E. W. M. SECTION 15

Comments on Land Survey:
 1. Township, Range, and Section lines shall be drawn and noted per Division 3 of the Plans Preparation Manual.
 2. Sections shall be noted adjacent to the section line unless the plan is entirely contained in one section. If the plan is entirely contained in one section the section may be noted under the Township and Range at the top of the plan sheet.

Begin and End Project Callouts



Comments on Begin and End Project Callouts
 1. Leader and arrow should point to center line.
 2. Project limits are the locations of permanent channelization changes, not the construction limits of the project.
 3. Begin and end project callouts should be separate from other callouts even if the stationing is coincident.

Design Data Table

DESIGN DATA				
	SR 000 A xx+xx to A yy+yy (Urban/Rural - Principal Arterial, Minor Arterial, etc.)	SR 000 A yy+yy to A zz+zz (Urban/Rural - Principal Arterial, Minor Arterial, etc.)	AL3 RAMP	CROSS STREET RD. County or City Designation
For State Highways and Ramps: Current State Highway Log →	Functional Class:			
DM 1130 / DM 1140 / Design Reviewer →	Highway Design Class:			
Design Manual 1100 →	NHS Status:			
Design Manual 1100 →	Design Matrix:			
Design Reviewer / NWR Traffic / WSDOT Access website →	Access Control:			
Traffic Analysis / DM 1130.09 / DM 1310.06 / DM 1420.05 / Design Reviewer →	Design Vehicle:			
Current State Highway Log / DM 1130.02 / DM 1140.07 / DM 1360.05 / DM 1420.05 →	Posted/Design Speeds:			
Current State Highway Log →	Terrain:			
NWR Safety Management / NWR Traffic Analysis →	Truck Percentage:			

Comments on the Design Data Box
 1. Only one design data box is required, preferably on the first sheet.
 2. If a route changes characteristics within the project limits, each segment should have its own column and each column should clearly identify the limits of segment it covers.
 3. Projects with several ramps may tabulate the design vehicles and speeds in a separate table.
 4. Projects with several intersecting local roads may tabulate the functional class, design vehicles, and posted/design speeds in a separate table.

Centerline Curve Data Block

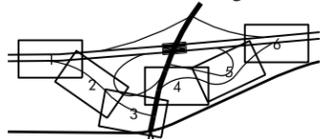
CURVE DATA						
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S	DESIGN SPEED

No spiral curves

TOTAL CURVE DATA		CURVE DATA				SPIRAL DATA				
P.I. STATION	DELTA	TANGENT	DELTA	RADIUS	LENGTH	S	a	DE	Ls	DESIGN SPEED

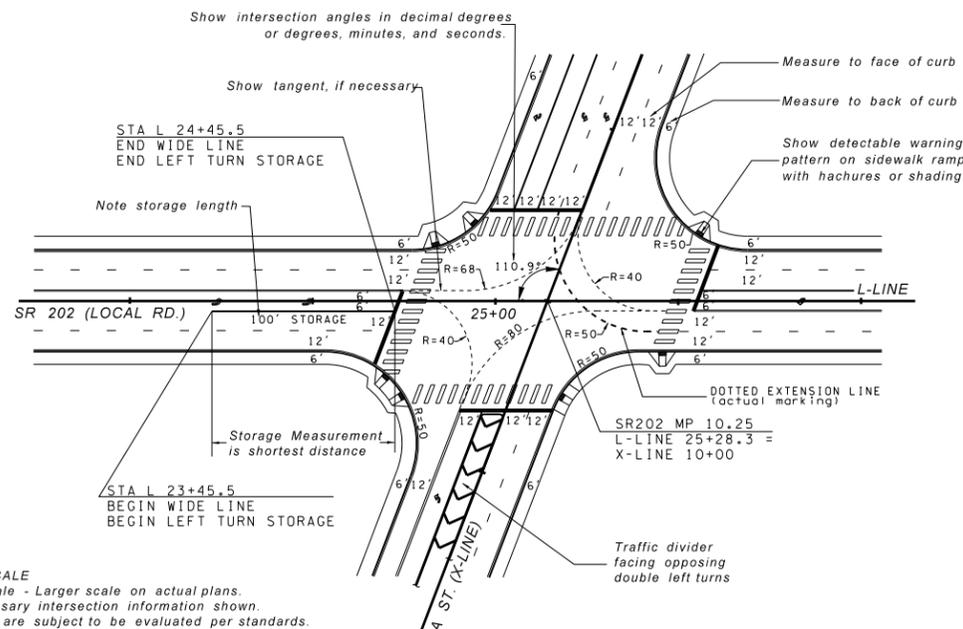
S - Superelevation (x% or 0.0x ft / ft, use NC for normal crown)
 a - Degrees per station (Ds/Ls)
 DE - Spiral deflection angle
 Ls - Length of spiral curve

Sheet Key



Comments on the Sheet Key
 1. The sheet key should clearly show the arrangement of the sheets with minimal detail.
 2. A sheet key is only needed on larger projects.

Typical Intersection Required Elements



Title Block

Mile post limits of channelization from current State Highway Log. Use "MP xx.xx" if back equation.

WSDOT Project

I-5 SR-516 MP 148.81 TO MP 149.92 MP 1.80 TO MP 2.05

SR-516 INTERCHANGE INTERCHANGE IMPROVEMENTS

KENT / KING COUNTY MARCH, 2008

CHANNELIZATION PLAN

Plan reference number: C1

Sheet number: SHEET 1 OF 3 SHEETS

Month and year of submittal: To be updated with each submittal

Non-WSDOT Project

I-5 SR 516 MP 148.81 TO MP 149.92 MP 1.80 TO MP 2.05

project title line # 1

project title line # 2 (optional)

project title line # 3 (optional)

KENT / KING COUNTY APRIL, 2008

Channelization sheet number: SHEET 1 OF 3 SHEETS

Month and year of submittal: To be updated with each submittal

Approval Signature Block

WSDOT NORTHWEST REGION
 APPROVED CHANNELIZATION PLAN

TRAFFIC ENGINEER - AREA OPERATIONS

Signed _____ Date _____
 Print _____

ENGINEERING MANAGER

Signed _____ Date _____
 Print _____

This signature block should be approximately 3" high by 5" wide on a full size plot.

FILE NAME	C:\Documents and Settings\nguyenb\My Documents\AAA-Traffic\Info\Chan Plan\NWR-ChanPlan-Elements.dgn
TIME	9:54:41 AM
DATE	1/26/2011
PLOTTED BY	nguyenb
DESIGNED BY	
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	

REGION NO.	10	STATE	WASH
JOB NUMBER			
CONTRACT NO.		LOCATION NO.	

REVISION	DATE	BY



NWR CHANNELIZATION PLAN

CHANNELIZATION ELEMENTS

PLOT1
 CE1
 SHEET 1 OF 1 SHEETS