APPENDIX O3

Project Design Document Package Checklist

I-405, SR520 to SR522 Stage 1 (Kirkland Stage 1)

Final Package Review – 15%

January 25, 2005

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
	Div. 1 - General Information				
	Managing Project Delivery	**140**			
PF	Process and Tools - Close the Project - Shelf	140.05(5)	WSDOT		
PF	Archive	140.05(5)(c)	WSDOT		
PF	Project Work Plan	140.07	WSDOT		
	Div. 2 - Hearings, Environ., & Permits				
	Public Involvement and Hearings	**210**			
PF	Public Involvement Plan	210.04	WSDOT	Report	
			DB		
	Project Environmental Documentation	**220**			
PF	Commitment file	220.08	WSDOT		Commitment summary based on Environmental Documents and Permits
			DB		DB responsible to update file for any modifications
	Permits and Approvals from Other Governmental Agencies	**240**			
PF	Army Corps of Engineers - Section 404 Permit	240.02(1), (2) & Fig 240-1a	WSDOT	Section 404 Corps Individual Permit - Clean Water Act [RFP Appenix P1]	
			DB		DB responsible to update file for any modifications
DDP	Water Quality Certification	240.03(2) & 240.10(3)(a) & Figure 240-1a	WSDOT	Section 401 Water Quality Certification - Clean Water Act [RFP Appendix P3]	
			DB		DB responsible to update file for any modifications

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	USFS Section 4(f) Situation 1, 2 or 3	240.04(2) & Figure 240-1a	WSDOT	I-405 Corridor Program FEIS (June 2002)[RFP Appendix E1], Addendum and Errata to the FEIS (May 2003)[RFP Appendix E2], and I-405 Corridor Program Record of Decision (October 2002)[RFP Appendix E3] SR520 to SR522 Evironmental Assessment (Anticipated 2005) [RFP Appendix E3]	
			DB		DB responsible to update file for any modifications
PF	WDFW Hydraulic Project Approval	240.09(1), (2) & Figure 240-1a	WSDOT	Hydraulic Project Approval - WDFW [Appendix P4]	
			DB		DB responsible to update file for any modifications
DDP	National Pollution Discharge Elimination Discharge (NPDES) Permit	240.10(3)(d) & Figure 240-1a	WSDOT	Section 402 NPDES Construction General Permit - Clean Water Act [RFP Appendix P2]	
			DB		DB responsible to update file for any modifications
PF	Water Pollution Control Plan (WPCP)	240.10(5)(a) & (b)	DB		DB responsible to update file for any modifications
DDP	Property Owner concurrence if storage not on WSDOT property	240.12(3)	DB		DB responsible to update file for any modifications
PF	Local agency building permits	240.13(1)	DB		DB responsible to update file for any modifications
PF	Local agency air pollution permits	240.13(1)	DB		DB responsible to update file for any modifications
PF	Local agency Grade Approval Permit	240.13(2)	DB		DB responsible to update file for any modifications
DDP	Conditional Use Permit or Variance from Shoreline Master Plan	240.13(3)(a),(b) & Figure 240-1a	DB		DB responsible to update file for any modifications
DDP	Utility Agreements	240.14	WSDOT		Existing Franchise agreements and relocation agreements
			DB		DB responsible to update file for any modifications
PF	Detour and Haul Road Agreements	240.14	DB		
DDP	Railroad Agreements	240.14	DB		DB responsible to update file for any new or modified agreements.
DDP	Sewage Permits	Fig 240-1a	DB		DB responsible to update file for any new or modified agreements.

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Fish & Wildlife Coordination - USFWS	Fig 240-1a	WSDOT	SR520 to SR522 Biological Assessment (August 2004) [RFP Appendix E7] ESA Concurrence Letter [RFP Appendix E8]	
			DB		DB responsible to update file for any modifications
DDP	Wetlands Report - USFWS	Fig 240-1a	WSDOT	SR520 to SR522 Draft Wetlands Mitigation Plan [RFP Appendix W2]	This is a Discipline Report that will be part of the SEPA/NEPA Environmental Documentation package specific to the Kirkland Nickel.
			DB		DB responsible to update file for any modifications
DDP	Endangered/Threatened Species - USFWS/NOAA Fisheries	Fig 240-1a	WSDOT	SR520 to SR522 Biological Assessment (August 2004) [RFP Appendix E7] ESA Concurrence Letter [RFP Appendix E8]	
			DB		DB responsible to update file for any modifications
DDP	Historic Section 106 - OAHP	Fig 240-1a	WSDOT	SR520 to SR522 Evironmental Assessment (Anticipated 2005) [RFP Appendix E3]	
			DB		DB responsible to update file for any modifications
	Div. 3 - Project Documentation				
	Value Engineering	**315**			
PF	Value Engineering Study Final Report and Workbook	315	DB		
PF	Value Engineering Decision Document	315.04(2)	DB		
	Design Matrix Procedures	**325**			
DDP	Use of a design element not covered in the Design Manual	325.03(2) & Figs. 325-3 through 325-7	WSDOT	Design Decisions [RFP Appendix O1]	Guidance to be included in the RFP
			DB		Approval of non-standard or unaddressed items

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Design Exceptions	325.03(4)	DB		DB responsible for any modifications
DDP	Evaluate Upgrade documentation	325.03(4)	DB		DB responsible for any modifications
DDP	Approved deviations	325.03(4)	WSDOT	Pre-Approved Design Deviations [RFP Appendix O2]	Include Approved Deviations in RFP
			DB		New deviations will require contract change
DDP	Corridor or project analysis for change in design level	325.03(5) & Figs. 325-5 through 325-7	WSDOT	I-405 Congestion Relief and Rapid Transit Projects Corridor Analysis, Mainline Design Speed I-405 MP 0.00 to 30.30 [RFP Appendix T4]	Include approved Corridor Analysus in RFP
DDP	Risk project solutions based on B/C ratios - analyses, design decisions and program funding decisions	325.03(5) & Figs. 325-5 through 325-7	WSDOT		
	Design Documentation, Approval, and Process Review	**330**			
DDP/PF	**All Projects including operational changes and developer projects. All participants must provide appropriate documentation for their decisions.**	**330.01**	WSDOT	misc. components addressed elsewhere	60% - Design File done to an acceptable stage for completing R/W and Access processes
			DB		40% - Complete balance of Design File
DDP/PF	Design Approval, DE (design exception), design variance, DVI, deviation, EU, Project Summary, Environmental Review Summary, Design Decisions Summary, Project Control Form, Project Definition	330.03, Figure 330-5	WSDOT	components addressed elsewhere	
			DB		DB responsible for any modifications
DDP	Design Variance Inventory, Project Definition (PD), and Environmental Review Summary	330.04(2), Figure 330-5	WSDOT	Draft Forms	Completed at end of final design

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

Form Revised May 2004

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Cell entry F, M, or B with no DE or EU qualifiers and project does not correct design element/s to specified design level.	330.04(4) & Figure 330-1	DB		
DDP	Design Exception (DE)	330.04(4) & Figure 330-1	DB		DB responsible for any modifications
DDP	Evaluate Upgrade	330.04(4) & Figure 330-1	DB		DB responsible for any modifications
DDP	Deviation requests & approval	330.04(4)	WSDOT	Pre-Approved Design Deviations [RFP Appendix O2]	Include Approved Deviations in RFP
			DB		DB responsible for any modifications
DDP	SEPA and NEPA Documentation	330.05, & Figure 330-5	WSDOT	I-405 Corridor Program FEIS (June 2002) [RFP Appendix E1] I-405 Corridor Program Record of Decision (October 2002) [RFP Appendix E2] SEPA Approval: Adoption [RFP Appendix P12]	
DDP	Accident Analysis	Figure 330-5	WSDOT	Access Point Decision Report,Draft (September 2004)	
			DB		DB responsible for any modifications
DDP	Traffic Projections & Analysis	Figure 330-5	WSDOT	Access Point Decision Report (September 2004) I-405 Corridor Program FEIS (June 2002) [RFP Appendix E1] I-405 Corridor Program Record of Decision (October 2002) [RFP Appendix E2] Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	
			DB		DB responsible for any modifications
DDP	Project Definition Form	330.06	WSDOT	Draft Form	
DDP	Project Control Form	330.06	WSDOT	Draft Form	

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Design Clear Zone Inventory	Figure 330-5	DB		
DDP/PF	Design Decision Summary	330.06, & Figure 330-5	WSDOT	Draft Form	
			DB		DB responsible for any modifications
DDP	Cost Estimate	Figure 330-5	WSDOT	Quantity Estimate (RFP Appendix O6)	15% Quantity Estimate - major items only
			DB		
DDP	Interchange Plans, profiles, roadway sections	Figure 330-5, 940.09	WSDOT	Conceptual Plans [RFP Appendix M1]	15% Pavement Marking plans
			DB		DB to submit as Chan Plan for Approval (per NWR Guidelines)
PF	Work Zone Traffic Control Strategy	Figure 330-5	WSDOT	RFP	General information and criteria provided
			DB		
DDP	R/W Plans	Figure 330-5	WSDOT	Approved Right of Way Plans [RFP Appendix R]	
DDP	Record of Survey or Monumentation Map	Figure 330-5	DB		
DDP	Corridor or project analysis	Figure 330-5	WSDOT	I-405 Congestion Relief and Rapid Transit Projects Corridor Analysis, Mainline Design Speed I-405 MP 0.00 to 30.30 [RFP Appendix T4]	
DDP	Intersection Plans	Figure 330-3a & 910.13(2)	WSDOT	Conceptual Pavement Marking Plans [RFP Appendix M1]	15% Pavement Marking plans
			DB		DB to submit as Chan Plan for Approval (per NWR Guidelines)
DDP	FHWA determination for any new or revised access point (including interchanges, temp access breaks, and locked gate access on interstate system	330.07	WSDOT	Access Point Decision Report	90%
			DB		
DDP	Cultural & Historical Review	Environmental	WSDOT	Report	This is a Discipline Report that will be part of the SEPA/NEPA Environmental Documentation package specific to the Kirkland Nickel.

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Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Access Point Decision Report	Figure 330-5	WSDOT	Access Point Decision Report,Draft (September 2004)	
DDP	Decisions to differ from WSDOT design guidance	Figure 330-5	WSDOT	Design Decisions [RFP Appendix O1]	
			DB		
DDP	Decisions for project components for which there is no WSDOT design guidance.	Figure 330-5	WSDOT	Design Decisions [RFP Appendix O1]	
			DB		DB must obtain approval
PF	Items on Figure 330-4	Figure 330-4 Specifying Note 4	DB		

	Div. 4 - Project Design Criteria						
	Full Design Level	**440**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Lane width	Figures 440-4 - 440-8 in Urban Roadways DMS dated 3/25/2004	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
DDP	Shoulder width	Fig. 440-3a & Figs. 440-4 - 440-8 in Urban Roadways DMS dated 3/25/2004	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
DDP	Median width	Figures 440-4 - 440-8 in Urban Roadways DMS dated 3/25/2004	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
DDP	Structure lane & shoulder widths	Figures 440-4 - 440-8 in Urban Roadways DMS dated 3/25/2004	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
DDP	Terrain Classification	440.05	WSDOT	Design Parameter [RFP Appendix O4]			

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Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Design Speed selection	440.07, & 440.16(3) and Figures 440-4 - 440-7b in Urban Roadways DMS dated 3/25/2004	WSDOT	I-405 Congestion Relief and Rapid Transit Projects Corridor Analysis, Mainline Design Speed I-405 MP 0.00 to 30.30 [RFP Appendix T4]	
	Div. 5 - Soils and Paving				
	Soils, Rock, & Surfacing Materials	**510**			
PF	Materials Source Report & Approvals	510.03 & Materials Lab	DB		
PF	Permits and agreements	510.04(4)	WSDOT		(see Section 240)
			DB		(see Section 240)
PF	Plan sheets	510.04(4)(b)	DB		
PF	Right of Entry to start investigation	510.04(4)(d)	DB		
DDP	Surfacing Report	Materials Lab & 510.07	WSDOT	Surfacing data from WSDOT	
			DB		
DDP/PF	Final Geotechnical Report with boring logs and summary of geotechnical conditions	HQ Materials Lab & 510.08(2)	WSDOT	Project Geotechnical Baseline Report [RFP Appendix G1] Project Geotechnical Data [RFP Appendix G2] Geotechnical Report: I-405 Stormwater Infiltration, Landau Assoc. [RFP Appendix G1] Forbes Creek Fish Passage Geotechnical Report [RFP Appendix G4]	
			DB		
PF	Pavement Determination/Life Cycle Cost Analysis	Materials Lab and HQ Pavement Type	WSDOT	Surfacing recommendation from WSDOT	Performance criteria
			DB		Pavement Report

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Form Revised May 2004

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
	Geosynthetics	**530**			
PF	Characteristics of chosen geosynthetic (AOS, permittivity, load-strain, survivability)	530.04	DB		
PF	Soil Information (Geotechnical Report will satisfy this documentation requirement.)	530.05	DB		
PF	Erosion Control/Silt Fence Plan	530.05(6)	DB		
	Div. 6 - Geometrics				
	Highway Capacity	**610**			
DDP/PF	Capacity analysis	610, Highway Capacity Manual	WSDOT	Access Point Decision Report,Draft (September 2004) I-405 Corridor Program FEIS (June 2002) [RFP Appendix E1] I-405 Corridor Program Record of Decision (October 2002) [RFP Appendix E2] Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	Final - Needed for 15% Impact Area to determine R/W footprint
			DB		DB responsible for any modifications
DDP	Traffic projections	Planning/MPO	WSDOT	Access Point Decision Report,Draft (September 2004) I-405 Corridor Program FEIS (June 2002) [RFP Appendix E1] I-405 Corridor Program Record of Decision (October 2002) [RFP Appendix E2] Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	Final - Needed for 15% Impact Area to determine R/W footprint
			DB		DB responsible for any modifications

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
	Geometric Plan Elements	620					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Horizontal curve radii	620.04(2)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Lane transitions (tapers)	620.07(1)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Median width transitions	620.07(2)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Horizontal alignment justification	620.04(1) 630.07	DB				
DDP	Frontage road justification	620.05(2) 620.08	DB				
DDP	Number of lanes justification	620.06(1)&(2) 620.08	WSDOT	Access Point Decision Report,Draft (September 2004) I-405 Corridor Program FEIS (June 2002) [RFP Appendix E1] I-405 Corridor Program Record of Decision (October 2002) [RFP Appendix E2] Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]			
			DB		DB responsible to justify for any modifications		
DDP	Realignment	620.08	DB		DB responsible to justify for any modifications		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
	Geometric Profile Elements	**630**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Minimum length of vertical curves	630.03(2)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Maximum grade	630.03(3)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Minimum grade	630.03(4)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Length of grade	630.03(5)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Sag vertical curve having a length less than required for stopping sight distance	630.03(2)	WSDOT	Pre-Approved Design Deviations [RFP Appendix O2]			
			DB				
DDP	Alignment on structures analysis	630.03(6)	DB				
DDP	Vertical alignment modification	630.07 & 620.04(1)	DB				
DDP	Procedures	630.07	DB				

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Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
	Geometric Cross Section	**640**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Justification for cross slopes other than 2% on tangents	640.04(1)	WSDOT	Design Decisions [RFP Appendix O1]			
			DB				
DDP	Turning roadway width	640.04(2)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Justification for shoulder cross slopes different than the adjacent lane	640.04(3)	WSDOT	Design Decisions [RFP Appendix O1]			
			DB				
DDP	Documentation of superelevation maximum rate being used and justification for a rate other than 10% maximum	640.05(1)	DB		Documented as Deviation approved by WSDOT		
DDP	Superelevation on existing curves	640.05(2)	WSDOT	Design Calculations			
			DB				
DDP	Superelevation for Turning Movements at Intersections	640.05(3) & Figure 640-12	WSDOT				
			DB				
DDP	Superelevation Runoff for Ramp Curves	640.05(5) & Figs. 640-14a and b	WSDOT	Conceptual Profile and Superelevation [RFP Appendix M1]			
			DB				
DDP	Low-Speed Urban Managed Access Highway Superelevation	640.05(6) and Figure 640-12b in Urban Roadways DMS dated 3/25/2004	DB		Design Decision memorandum/Document identifying application		
DDP	Cut slope selection	640.07(1)	WSDOT	Conceptual Roadway Sections [RFP Appendix M1]			
			DB				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

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Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
DDP	Fill slope selection	640.07(1)	WSDOT	Conceptual Roadway Sections [RFP Appendix M1]			
			DB				
PF	Documentation of the reasons for modifying an existing cut slope	640.07(1)	DB				
PF	Materials Engineer recommendation for stepped slopes	640.07(3)	DB				
PF	Materials Engineer recommendation for ditch location at the toe of fill.	640.07(4)	DB				
DDP	Justification for the use of L_B on ramp curves when the minimum transition cannot be achieved	640.09	DB				
PF	Bridge end slopes	HQ Bridge and Structures	WSDOT	Conceptual Plans [RFP Appendix M1]	15% bridge layout		
			DB				
	Sight Distance	**650**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Vertical stopping sight distance	650.05	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Horizontal stopping sight distance	650.05(5)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Passing sight distance	650.04	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				

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Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

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Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
DDP	Decision sight distance	650.06	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
	Div. 7 - Roadside Safety Elements						
	Roadside Safety	**700**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Design Clear Zone inventory, evaluation documents and justification for design decision.	700.04(1)	DB				
DDP	Design Clear Zone establish by city - managed access state highways	700.04(2)	DB				
DDP	Median accident evaluation and barrier warrant determination	700.06	DB				
DDP	Median width deviation for barrier placement	700.06	DB				
DDP	Justification for barrier use not meeting criteria in 700.05	700.05	DB				
DDP	Evaluation of slopes	700.05(1)	DB				
DDP	Evaluation of Fixed Objects	700.05(2)(a) through (h)	DB				
DDP	Hydraulic evaluation for culvert bars	700.05(2)c	DB				
DDP	Evaluation of Water Depth	700.05(3)	DB				
DDP	Rumble Strips	700.07	DB				

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Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
DDP	Glare screen justification	700.07(2)	DB				
	Traffic Barriers	**710**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Barrier terminal selection	710.04(1), 710.06(2), 710.08(2)	DB				
DDP	Transition & Connection selection	710.04(1), 710.06(3) & Figs. 710-6 & 710-10	DB				
DDP	Standard Run of Barrier - height	710.04(2)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Bridge rail evaluation and upgrade method	710.04(4)	DB				
DDP	Shy distance requirements	710.05(1)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
PF	Barrier Deflection	710.05(2) & Figure 710-2	DB				
PF	Flare Rate	710.05(3) & Figure 710-3	DB				
DDP	Barrier length of need calculation	710.05(4) & Figs. 710-11(a)-(c)	DB				
DDP	Long guardrail post justification or approved deviation	710.06(1) & Figure 710-12	DB				
DDP	Remove barrier not needed	710.04	DB				
PF	Barrier selection	710.05	WSDOT	RFP	Single slope barrier required for concrete barrier application		
			DB		DB to determine type for each location and application		

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Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Justification for median barrier placement closer than 15' in medians wider than 30'	710.05(5)	DB		
PF	Assessment of concrete barrier placement impact to wildlife	710.08(3) & Figure 710-8	DB		
PF	Approved public interest finding for use of a sole source proprietary traffic barrier	710.09	DB		
PF	Retrofitting with new concrete bridge rail when no widening is proposed	710.10(1)	DB		
	Impact Attenuator Systems	**720**			
DDP	Approvals for use of older systems	720.01(3)	DB		
PF	Approved public interest finding for use of a sole source proprietary impact attenuator	720.03	DB		
DDP	Documentation of reasons for eliminating attenuator options	720.03	DB		
	Div. 8 - Traffic Safety Elements				
	Work Zone Traffic Control	**810**			
PF	Brief summary of the construction work zone traffic control strategy as developed during the design conference	810	DB		
PF	Description of and the basis for the CWZTC strategy developed during the project design	810	WSDOT	RFP	General information and criteria provided
			DB		
PF	Contact with local & WSP enforcement officials	810.06	DB		
PF	Time Restrictions	810.06(1)	WSDOT	RFP	
			DB		
PF	Road Closures and agreement/s	810.06(2)	WSDOT	RFP	Documentation from coordination with Local Agencies and Region Traffic
			DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
PF	Notification to maintenance regarding oversized vehicle restrictions	810.07(3)(e)	DB				
PF	Speed Limit reduction approval	810.08(2)	DB				
PF	Traffic Control/Maintenance of Traffic Plans	810.09	DB				
	Signing	**820**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
PF	Replacing/modifying signs	820.01	DB				
PF	Approval of non-standard signs	820.01	DB				
PF	Approval of proposed guide signs	820.01 & 820.06	DB				
DDP	Design Components	820.03(1) through (6)	WSDOT	Conceptual Guide Sign Plan [RFP Appendix M1]			
			DB				
PF	Soils investigations for all sign bridge and cantilever sign supports	820.03(5)	DB				
PF	Sign bridge vertical clearance	820.04(2)	DB				
PF	Inventory of all existing signing within the project limits	Traffic Office 820.07	DB				
	Delineation	**830**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
PF	Decision to omit delineation work	830.01	DB				
PF	Supplemental Right Edge line markings	830.03	DB				
PF	Use of Type 3 Raised Pavement Markers	830.03	DB				
PF	Decisions to install Guide Posts	830.04 & Figure 830-2	DB				
PF	Decisions to install wildlife reflectors	830.06	DB				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
	Illumination	**840**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Identify facilities where the required illumination is proposed	840.04	WSDOT	Conceptual Plans [RFP Appendix M1]			
			DB				
DDP	Justification and approval for any proposal to install additional illumination at other highway facilities	840.05(1) through (11)	DB				
DDP	Justification for using nonstandard luminaries and light standards on state highways	840.06(4)	DB				
	Traffic Control Signals	**850**					
PF	All traffic study information used in the signal analysis	Planning	WSDOT	Access Point Decision Report,Draft (September 2004) I-405 Corridor Program FEIS (June 2002) [RFP Appendix E1] I-405 Corridor Program Record of Decision (October 2002) [RFP Appendix E2] Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	Some data available in the doucments listed		
			DB				
DDP	A copy of the approved traffic signal permit	Traffic Office 850.04	DB				
PF	Signal Warrants	850.05	DB				
PF	Emergency vehicle preemption	850.06(7)(a)	DB				
PF	Transit priority preemption	850.06(7)(c)	DB				
PF	A copy of the preliminary signal plan	WSDOT, 850.06(10)	DB		Approved by 60% Design Submittal		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

Form Revised May 2004

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
	Intelligent Transportation Systems	**860**			
PF	Designs for the ultimate system when staged implementation is used	860.01	DB		
DDP	Approved traffic signal permit for ramp meters	860.04	DB		
PF	All correspondence and coordination with local agencies	860.04(5)	WSDOT		Contributions from both teams
			DB		
	Div. 9 - Intersections & Interchanges				
	Intersections At Grade	**910**			Most of these Items may be included in the Intersection Plan for Approval
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN / EXISTING / DETERMINATION
DDP	Intersection angle	910.04(2)(a)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% - designed to level of footprint determination for R/W
			DB		
DDP	Intersection turning radii	910.06, Figures 910-8 & 910-11a	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	
			DB		
DDP	Sight distance at intersection	910.1	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	
			DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Traffic analysis	910.04(1)	WSDOT	Access Point Decision Report,Draft (September 2004) I-405 Corridor Program FEIS (June 2002) [RFP Appendix E1] I-405 Corridor Program Record of Decision (October 2002) [RFP Appendix E2] Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	
			DB		
DDP	Accident analysis	910.04(1)	DB		
DDP	Lane alignment	910.04(2)(b)	WSDOT	Conceptual Pavement Marking Plans [RFP Appendix M1]	15% Pavement marking plan and aligment data
			DB		
DDP	Crossroad design	910.04(3)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Pavement marking plan and aligment data
			DB		
DDP	Intersection spacing	910.04(4)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Pavement marking plan and aligment data
			DB		
DDP	Design Vehicle selection and justifications	910.05	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	Included in RFP Roadway Design Tables
			DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Left-turn lane storage length	910.07(1)(a) & Figs 910-4, 910-9b & 910-10a through 10c	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Pavement marking plan
			DB		
DDP	Left-turn justification	910.07(1)(a) & Figs 910-9a & 9b	DB		
DDP	Two-way left-turn lane justification	910.07(1)(b)	DB		
DDP	Right-turn lanes and drop lanes justification	910.07(2)	DB		
DDP	Speed Change Lanes justification	910.07(3)	DB		
DDP	Traffic island design	910.07(4)	DB		
DDP	U-turn justification and design	910.09	DB		
DDP	Traffic Control at intersection analysis	910.11	DB		
DDP	Interchange ramp terminals design	910.12	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	Traffic Data and 15% Pavement marking plan
			DB		
DDP	Intersection plans and supporting information	910.13(2)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Pavement marking plan
			DB		DB to submit as Chan Plan for Approval (per NWR Guidelines)

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
	Road Approaches	**920**					
DDP	Evaluation of existing road approaches that do not comply with access control requirements	920.04	DB		DB to finalize design and construction for modification based on Evaluation Recommendation		
PF	Plan or list of the road approaches	920.09	DB		DB to complete design and construction of road approaches		
	Traffic Interchanges	**940**			Most of these items may be included for the I/C plan for approval		
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Ramp Design Speed	940.05(1) & Figure 940-1	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Ramp vertical stopping sight distance	940.05(2) & 650.05	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Ramp horizontal stopping sight distance	940.05(2) & 650.05(5)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Ramp maximum grade	940.05(3)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
DDP	Ramp lane width	940.05(4) & Figure 940-3	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Ramp shoulder width	940.05(4) & Figure 940-3	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Accel lane number of lanes, length	940.06(4) & Figure 940-8	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Decel lane number of lanes, length	940.06(5) & Figure 940-10	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]			
			DB				
DDP	Left side on-off connections	940.04(1)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	Known locations provided in 15% RFP Plans		
			DB				
DDP	Spacing	940.04(3) & Figure 940-5	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% pavement marking plans show spacing		
			DB				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Ramp lane increases	940.05(5)	DB		
DDP	Justification for ramp metering main line speed reduction	940.05(6)	DB		
DDP	Justification for mountable curb at interchange - speed of adjacent traffic exceeds 40 mph	940.06, Figs. 940-13a,b, & c	DB		
DDP	Lane balance - Not required, but desirable	940.06(1) & Figs. 940-6a & 6b	DB		
DDP	Accel lane length based on a speed less than design speed	940.06(4)	WSDOT	Design Decisions [RFP Appendix O1]	Final Design Decision
			DB		
DDP	On-connection type justification	940.06(4) (a),(c),(d) & Figs, 940-9a through 9d	DB		
DDP	Decel lane length based on a speed less than design speed	940.06(5)	WSDOT	Design Decisions [RFP Appendix O1]	Final Design Decision
			DB		
DDP	Off-connection type justification	940.06(5)(a),(c) and Figs. 940-12a through 940-12e	DB		
DDP	Gores - Not required, but desirable	940.06(5)(b) & Figs. 940-11a & 11b	DB		
DDP	Weaving analysis and design	940.06(8), & Figure 940-5	DB		
DDP	Interchange Plan	940.09	WSDOT	Conceptual Pavement Marking Plans [RFP Appendix M1]	15% Pavement Marking and Alignment Plan
			DB		DB to submit as Chan Plan for Approval (per NWR Guidelines)
DDP/PF	Access Point Decision Report	1425	WSDOT	Access Point Decision Report,Draft (September 2004)	Final
	Div. 10 - Auxiliary Facilities				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
	Pedestrian Design Considerations	**1025**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			Design	Existing	Determination
PF	Sidewalk width	1025.07(2)(e)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Plans and Requirements in RFP		
			DB				
PF	Sidewalk grade	1025.07(2)(e)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Plans and Requirements in RFP		
			DB				
PF	Sidewalk cross slope	1025.07(2)(e)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Plans and Requirements in RFP		
			DB				
PF	Crosswalk markings	1025.07(3) & Figs. 1025-4 & 1025-5	DB				
PF	Sidewalk Ramps: location, landings & drainage	1025.07(4) & Figure 1025-9	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Plans and Requirements in RFP		
			DB				
PF	Shoulder Width	1025.07(2)(b)	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Plans and Requirements in RFP		
			DB				
DDP	Justification for sidewalks	1025.07(2)(e) & Figure 1025-3			15% Plans and Requirements in RFP		
			DB				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
PF	Side slopes adjacent to sidewalks	1025.07(2)(e) & Figs. 1025-2a & 2b	WSDOT	Conceptual Plans [RFP Appendix M1] Design Parameter [RFP Appendix O4]	15% Plans and Requirements in RFP
			DB		
DDP	Decisions to prohibit a pedestrian crossing at an intersection	1025.07(3)	DB		
DDP	Approval of the installation of a midblock pedestrian crossing	1025.07(3)	DB		
PF	Approval of the installation of a bulb out on a state highway	1025.07(3)	DB		
	High Occupancy Vehicle Facilities	**1050**			
DDP	Freeway Operational Alternatives	1050.04(3)	WSDOT	Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	Final
			DB		DB responsible for any modifications
DDP	Arterial Street Operational Alternatives	1050.04(4)	WSDOT	Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	Final
			DB		DB responsible for any modifications
DDP	Design Criteria	1050.06(1) through (8)	WSDOT	Design Parameter [RFP Appendix O4]	15% - highlight table in RFP
			DB		
	Div. 11 - Structures				
	Site Data for Structures	**1110**			
PF	DOT Form 235-002, "Bridge Site Data - General"	1110.03(2), Figure 1110-1 & Bridge Design Manual	DB		
PF	DOT Form 235-001, "Bridge Site Data for Stream Crossings"	1110.04, Figure 1110-1 & Bridge Design Manual	DB		
PF	DOT Form 235-002a, "Supplemental Bridge Site Data - Rehabilitation/Modification"	1110.06, Figure 1110-1 & Bridge Design Manual	DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS		
	Bridges	**1120**					
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN	EXISTING	DETERMINATION
DDP	Vertical Clearance	1120.04(5)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Final Geotechnical Foundation Report	510.04(13)	DB				
DDP	Structural Capacity Report	1120.04(1)(b)	DB				
DDP	Horizontal Clearance	1120.04(3) & The Bridge Design Manual	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
DDP	Evaluation of need and approval for enclosing the median area between bridges	1120.04(4)	DB				
DDP	Bridge Vertical Clearance per Figure 1120-1	1120.04(5)(b)	WSDOT	Design Parameter [RFP Appendix O4]			
			DB				
PF	Materials Engineer approval to mill an existing surface	1120.04(5)(b)(2)	DB				
DDP	Justification for eliminating an overlay in the vicinity of a bridge	Contact Materials Lab and/or Bridge Office 1120.04(5)(b)(2)	DB				
PF	Correspondence involving the MTMCTEA	1120.04(5d)					
PF	Justification and HQ concurrence for omitting bridge approach slabs	1120.04(6)	DB				
DDP	Analysis of need and approval for protective screening on highway structures	1120.04(11)	DB				
	Retaining Walls and Steep Reinforced Slopes	**1130**					
DDP	Traffic Barrier Shape in front of wall deviation	1130.04(1)	DB				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Geotechnical/Soils Report	1130.04(2)	WSDOT	Project Geotechnical Baseline Report [RFP Appendix G1] Project Geotechnical Data [RFP Appendix G2] Geotechnical Report: I-405 Stormwater Infiltration, Landau Assoc. [RFP Appendix G1] Forbes Creek Fish Passage Geotechnical Report [RFP Appendix G4]	
			DB		
PF	Drainage detail deletions	1130.04(4)	DB		
PF	Bridge & Structures Principal Architect approval of aesthetic features	1130.04(5)	DB		
DDP	Consideration of site constraints on constructibility	1130.04(6)	DB		
PF	Impact of other interfering design elements	1130.04(7)(a)	DB		
DDP	Consideration of Fall Protection for walls 10 ft or greater in height	1130.04(7)(b)	DB		
PF	Approved work plan for an experimental proprietary retaining wall	1130.06(1)	DB		
PF	Approved public interest finding for use of a sole source proprietary retaining wall	1130.06(1)	DB		
PF	HQ Approval of Consultant designs	1130.06(2)	DB		
PF	Wall Site Data Check List, DOT351-009EF, and attachments	1130.06(3)(b) - Check with Bridge Office	WSDOT	Conceptual Plans [RFP Appendix M1]	Data on 15% plans
			DB		
	Noise Barriers	**1140**			
DDP	Noise Report	1140.01 - See Noise Policies on HQ Environmental Affairs Office homepage	WSDOT	SR520 to SR522 Noise Discipline Report [RFP Appendix E7]	Final
			DB		DB responsible for any modifications

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Geotechnical/Soils Report	1140.03(2)	WSDOT	Project Geotechnical Baseline Report [RFP Appendix G1] Project Geotechnical Data [RFP Appendix G2] Geotechnical Report: I-405 Stormwater Infiltration, Landau Assoc. [RFP Appendix G1] Forbes Creek Fish Passage Geotechnical Report [RFP Appendix G4]	
			DB		
PF	List of design options considered and summary of evaluations	1140.03(2)	DB		
DDP	Traffic Barrier Shape in front of wall deviation	1140.03(2)(f)	DB		
DDP	Openings approvals	1140.04	DB		
DDP	Wall attachments approval	1140.04	DB		
DDP	Report on impact due to change	1140.04	DB		
PF	Final Selection approval	1140.04	DB		
	Div. 12 - Hydraulics				
	Hydraulic Design	**1210**			
DDP	Hydraulics Report	Hydraulics Manual	WSDOT	Preliminary Hydraulic Report, I-405 Corridor Congestion Relief and Bus Rapid Transit Projects, Kirkland Nickel Project, I-405, SR520 to SR522, Stage 1 and 2, November, 2004 [RFP Appendix H1]	
			DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Hydraulics Summary	Hydraulics Manual	WSDOT	Preliminary Hydraulic Report, I-405 Corridor Congestion Relief and Bus Rapid Transit Projects, Kirkland Nickel Project, I-405, SR520 to SR522, Stage 1 and 2, November, 2004 [RFP Appendix H1]	
			DB		
PF	Temporary Erosion & Sediment Control (TESC) Plans	Highway Runoff Manual	DB		
PF	Stormwater Site Plans (SSP)	Highway Runoff Manual	DB		
	Div. 13 - Roadside Development				
	Roadside Development	**1300**			
DDP	Roadside Project File	1300.06	DB		
PF	**Section 404 Permit**		WSDOT	Section 404 Corps Individual Permit - Clean Water Act [RFP Appendix P1]	
PF	**Site Analysis - including the following elements**		WSDOT		Data from permits and draft reports
			DB		
	Soils				
	Soil boring logs				
	Climate				
	Slopes				
	Aspect				
	Vegetation present				
	Adjacent land uses				
	Location of any surface water bodies				
	Movement of water				
	Views into and out of site				

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
	General impressions				
PF	**Preliminary Plans**		WSDOT	Conceptual Plans [RFP Appendix M1]	
DDP	**Final Plans and Specifications**		DB		
	Decision Documentation		DB		
DDP	Jurisdictional requirements		WSDOT	Environmental Documents (RFP Appendix E) Permits (RFP Appendix P)	
DDP	Commitments		WSDOT	Environmental Documents (RFP Appendix E) Permits (RFP Appendix P)	
DDP	Soil analysis		DB		
DDP	Slope stability analysis		DB		
DDP	Hydrologic analysis		DB		
DDP	Horticultural reports		DB		
PF	Plant availability		DB		
PF	Proprietary product information		DB		
	Contour Grading	**1310**			
PF	Contour Grading Plan	1310.01 & Roadside Manual	DB		
	Vegetation	**1320**			
PF	Revegetation Plan	1320.04(2) & Roadside Manual	DB		
	Irrigation	**1330**			
PF	Irrigation Plan	1330.01	DB		
PF	Approved public interest finding for use of a sole source proprietary products	1330.03(c) listed under the design phase	DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
	Soil Bioengineering	**1350**			
PF	For streambank/shoreline as part of the recommendations of the Hydraulic Report	1350.04	DB		
PF	As part of the recommendations in the Stormwater Site Plan (SSP)	1350.04	DB		
PF	For slope stabilization as part of the recommendations in the Geotechnical Report	1350.04	DB		
PF	As part of the recommendations in the Environmental Documents	1350.04	DB		
PF	Summary of site analysis	Roadside Manual	DB		
PF	Roadside Restoration Plan	Roadside Manual	DB		
	Div. 14 - Right of Way & Access Control				
	Right of Way Considerations	**1410**			
PF	Detour and Haul Road Agreements	1410.03(3)	DB		
PF	Construction permit and map	1410.04(4)	DB		
PF	Approved Easements & Permits	1410.04, 1410.07(3)	DB		
	Access Control	**1420**			
	DESIGN ELEMENT	DESIGN MANUAL REFERENCE			DESIGN / EXISTING / DETERMINATION
DDP	Easement	1420.03	WSDOT DB		Coordinated package development
	Access Point Decision Report	**1425**			
PF	Request for acceptance and approval and the associated Access Point Decision Report and records	1425.01	WSDOT	Final Report	Final - This must be completed prior to the Access Report and Plan process

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

Form Revised May 2004

Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
DDP	Acceptance and approval documents	1425.04(3)	WSDOT	Interchange Modifications Analysis NE 116th Street [RFP Appendix T3]	
	Limited Access	**1430**			
DDP	Limited access falls short of 300 ft or any access that has been allowed to remain within the first 130 ft. - Access deviation	1430.03(3)(d), 1430.04(3)(a)	WSDOT	Draft of Deviation for Stage 2	
DDP	Turnback Agreement	1430.08 & Agreements Manual	WSDOT	Copy of Agreement	
DDP	Modifications for Public At-Grade Intersections - request by or through local agency, intersection plan	1430.10(1),(2) & (3)	DB		
	Surveying and Mapping	**1440**			
PF	DNR Permit application for monuments to be disturbed or removed	1440.02(f)	DB		
PF	Record of Survey or Monumentation Map	1440.02(l)	WSDOT	WSDOT Report of Survey Marks (Appendix X)	
			DB		
PF	Report of Survey Marks	1440.03	DB		
PF	Summary of Legal Research	1440.03(1)(b)	DB		
PF	Project Datum Conversion documentation	1440.03(2)(e)	DB		
PF	DNR Completion Report	1440.03(3)(b)	DB		
	Monumentation	**1450**			
PF	General statement about project's impacts on existing monuments	1450.01, & Figure. 1450-1	DB		
PF	General statement concerning new monuments	1450.01, & Figure. 1450-1	DB		
PF	Variance for omitting monumentation	1450.04	DB		DB responsible for any modifications
PF	Record of Survey Mark	1450.04	DB		

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Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
PF	Monumentation Map	1450.04, .05, .07, 1450.09(2)	WSDOT	WSDOT Report of Survey Marks (Appendix X)	
			DB		
PF	Record of Survey	1450.06	DB		
PF	Land Corner Record	1450.07, & 1450.09(3)	DB		
PF	Approved application to remove or destroy a survey monument	1450.09(1)	DB		
PF	Field notes	Hwy Surveying Manual	DB		
PF	DNR Completion Report	1450.09(1)	DB		
	Fencing	**1460**			
DDP	Reasons for providing fencing and for the type and configuration selected	1460.03(1) through (4) and 1460.04(1) through (3)	DB		
DDP	Justification for deferring or not providing fencing on a highway with limited access control or as otherwise recommended	1460.03(2)	DB		
DDP	Justification for using a nonstandard fence design	1460.04	DB		
DDP	Approval for gates on limited access highways	1460.05	DB		
	Maintenance				
PF	Maintenance concerns addressed	Area Maintenance Supervisor	WSDOT	Criteria in individual RFP Sections	
			DB		
	Utilities				
PF	Preliminary Engineering Agreement	Utilities Manual, 2-4	WSDOT	Copy of Agreement	
PF	Construction Agreement	Utilities Manual, 2-5	WSDOT	Copy of Agreement	
PF	Railroad agreements	Utilities Manual, 3-5	WSDOT	Copy of Agreement	
PF	Railroad insurance and flagging	Utilities Manual, 3-9	DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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Proj. No.

Project Title:I-405, SR 520 to SR 522 Stage I (Kirkland Stage 1)

PROJECT DESIGN DOCUMENTATION CHECK LIST

Location	DESCRIPTION	REFERENCE	BY WHOM	FORM of Delivery (report, drawing, summary table, etc.) and DOC. NAME	REMARKS
PF	Detour or Haul Road Agreement	Utilities Manual, 4-2	DB		
PF	Service Agreements	Utilities Manual, 4-3	DB		
PF	Local Agency Agreements	Utilities Manual, 4-5	WSDOT	Copy of Agreement	
PF	Transit Agreement	Utilities Manual, 4-7	WSDOT	Copy of Agreement	
PF	Turnback Agreements	Utilities Manual, 6-1	WSDOT	Copy of Agreement	Areas determined to included on Right of Way Plans
			DB		Agreement completed
	Post Project Development				
DDP	Construction changes that affect design		DB		
DDP	As - Built Plans		DB		

Determination - MS; Meets Standards ENNF; Existing Nonstandard, No Fix ENF; Existing Nonstandard, Will Fix PN; Proposed Nonstandard

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