
Appendix A

Preparers of Document

Final Supplemental EIS
North Spokane Corridor

Washington State Department of Transportation

Name/Title Participation	Education	Professional Discipline
Elena Aleckseeva map production	AA Civil Engineering Tech.	Civil Engineering
Mark Allen design, construction estimate, schedule	BSCE	Civil Engineering
Linda Anderson real estate issues	AAS	Manager, Eastern Region Real Estate Services
Bill Bennett air quality impacts, travel demand projections	M. Public Administration	Transportation Studies Coordinator
Robert Blegen hydraulics, design	BSCE	Civil Engineering
Garrick Bohnet traffic modeling, air quality	BSCE	Civil Engineering
Robyn Boyd, P.E. design team leader	BSCE	Civil Engineering
Tyler Denning design	BSCE	Civil Engineering
Kathy Engle graphics	AAS Natural Resources Management, AAS Graphic Design	Civil Engineering
Bruce Farrar Preliminary Air Quality Analysis	Civil Engineering Certificate	Air Quality and Acoustics
Janelle Hitch, PE air quality studies	BS Environmental Engineering	Air Quality Studies Program Manager

Name/Title Participation	Education	Professional Discipline
Natasha Kinser map production document assembly	AA Civil Engineering Tech.	Civil Engineering
Erv Koller Biological Assessment	B.A. Biology	Wildlife Biology Wetland Ecology
Keith Martin, P.E. Project Engineer	BSCE	Civil Engineering
Dave McCoury real estate relocation		Acquisition and Relocation Supervisor
Joseph McElfish graphics		Civil Engineering
Ray McNamara graphics	AAS Computer Drafting	Civil Engineering
Michael Miller graphics	BSCE	Civil Engineering
Chad Phillips surveying, construction estimates, schedule	BSCE	Civil Engineering
James Prudente	BS Biological Science	WSDOT Eastern Region Environmental Manager
Karen Rennaker correspondence		Office Administration
Dean Smith hazardous sites mitigation		Hazardous Materials Specialist
Rebecca Smith SEIS production	M. Urban & Regional Planning	Environmental Planner
Gregg Storey graphics	AA Civil Engineering Tech.	Civil Engineering
Randy Veldhuizen design	BSCE	Civil Engineering

Name/Title Participation	Education	Professional Discipline
Glenn Wagemann, P.E. Assistant Project Engineer	BSCE	Civil Engineering
Michael Ward Real Estate Proximity Study	BS Marketing	Real Estate Appraiser
Joanne Welty Preliminary Air Quality Analysis	BA Liberal Arts	Air Quality Studies
Bob Westby design, construction estimate, schedule	AA Civil Engineering Tech.	Civil Engineering
Aaron Williams Preliminary Noise Impact Analysis		Acoustics
Chris Winkler, P.E. design	BSCE	Civil Engineering
Steven Yach Visual Quality Assessment	B.S. Landscape Arch.	Environmental Documentation

Professional Consultants

Discipline Report	Firm	Lead Contact
Cultural Resources Survey	Archaeological and Historical Services, Eastern Washington University, Cheney, WA	Craig Holstine
Detailed Site Investigation for Hazardous Waste and Evaluation of Construction Impacts	EMCON Spokane, WA	Jeff Lower, P.E. Project Engineer
Site Investigation for Hazardous Waste	Tetra Tech, Inc. Seattle, WA	Rick Osgood, R.P.G. Senior Geologist
Noise Impact and Mitigation Analysis	Jones & Stokes Assoc., Inc. Bellevue, WA	Curt Overcast, Project Manager

Appendix B

Distribution List

Final Supplemental EIS
North Spokane Corridor

Agencies, Organizations, and Persons receiving a copy of the Final Supplemental EIS and/or Notice of Availability:

Area Indian Tribes

Colville Confederated Tribes
Coeur d'Alene Tribe
Kalispel Tribe
Nez Perce Tribe
Spokane Tribe of Indians

Federal Agencies

Advisory Council on Historic Preservation
Bonneville Power Administration
Council On Environmental Quality
Environmental Protection Agency
Federal Emergency Management Agency
Federal Highway Administration
National Oceanic and Atmospheric Administration
National Park Service
U.S. Army Corps of Engineers
U.S. Department of Commerce
U.S. Department of Interior
U.S. Environmental Protection Agency
U.S. Fish and Wildlife Service
U.S. Department of Health and Human Services
U.S. Natural Resources Conservation Service

State Agencies

Conservation Commission
Department of Community Development
Department of Ecology
Department of Employment Security
Department of Fish and Wildlife
Department of Licensing
Department of Natural Resources
Department of Revenue
Department of Social and Health Services
Gambling Commission
Interagency Committee for Outdoor Recreation
Office of Archaeology and Historic Preservation
Office of the Attorney General
State Library
Utilities and Transportation Commission
Washington State Parks and Recreation Commission
Washington State Patrol
Washington Transportation Commission

Local Agencies

Spokane City/County Emergency Management
Spokane City Engineering Services
Spokane City Manager
Spokane City Park and Recreation Department
Spokane City Planning Department
Spokane City Public Works Department
Spokane City Transportation Department
Spokane County Air Pollution Control Authority
Spokane County Engineering and Roads Division
Spokane County Fire District #4
Spokane County Fire District #9
Spokane County Planning Department
Spokane County Sheriff Department
Spokane Fire Department
Spokane Housing Authority
Spokane International Airport
Spokane Police Department
Spokane Regional Health District
Spokane Regional Transportation Council
Spokane Transit Authority

Public Officials

Slade Gorton, United States Senator
Patty Murray, United State Senator
George Nethercutt, United States Representative
Lisa Brown, State Senator, Third District
Jeff Gombosky, State Representative, Third District
Alex Wood, State Representative, Third District
Larry Crouse, State Representative, Fourth District
Bob McCaslin, State Senator, Fourth District
Lynn Schindler, State Representative, Fourth District
Brad Benson, State Representative, Sixth District
Duane Sommers, State Representative, Sixth District
Jim West, State Senator, Sixth District
Cathy McMorris, State Representative, Seventh District
Bob Morton, State Senator, Seventh District
Bob Sump, State Representative, Seventh District
Don Cox, State Representative, Ninth District
Mark Schloesler, State Representative, Ninth District
Larry Sheahan, State Senator, Ninth District
John Talbott, Mayor, Spokane
Spokane City Council
Spokane County Commission

Organizations

American Medical Response
Arrivee Cycling Club

Associated Industries of the Inland Northwest
Associated General Contractors
Baddlands Cycling Club
Bemiss Neighborhood Council
Bicycle Alliance of Washington
Chief Garry Neighborhood Council
Community Colleges of Spokane
Downtown Spokane Partnership
East Central Neighborhood
Fairwood Community Baptist Church
Friends of the Centennial Trail
Friends of the Little Spokane River Valley
Garden City/Mead Coalition
Hillyard Neighborhood Council
Hobnailers
Inland Automobile Association
Logan Neighborhood Steering Committee
Mead School District No. 354
Mead United Methodist Church
Preserve Our Neighborhood Integrity (PONI)
Spokane Area Chamber of Commerce
Spokane Area Economic Development Council
Spokane Area Good Roads Association
Spokane Association of Realtor's
Spokane Bicycle Club
Spokane Building Owners and Managers Association
Spokane Construction Council / Spokane Regional Plan Center
Spokane County Medical Society
Spokane Education Association
Spokane Homebuilders Association
Spokane Housing Authority
Spokane Intercollegiate Research and Technology Institute
Spokane Labor Council
Spokane Low Income Housing Consortium
Spokane Merchants Association
Spokane Public School District No. 81
Spokane Valley Chamber of Commerce
SRTC Citizens Advisory Committee on Transportation
Transportation Choices Coalition, Inland Northwest Chapter
Washington State Trucking Associations
West Plains Business Association

Libraries

Spokane City

Downtown Hillyard
East Side Shadle
South Hill Indian Trail

Spokane County

Argonne Airway Heights
Cheney Deer Park
Fairfield Medical Lake
Moran Prarie North Spokane
Otis Orchards Valley

Colleges and Universities

Eastern Washington University
Spokane Community College
Whitworth College
Gonzaga University
Spokane Falls Community College

News Media

Cheney Free Press
City Cable 5
Columbia Basin Herald
Fairchild Strikehawk
Journal of Business
KAYU-TV
KCDA
KCLX/KZZL
KEWU
KGA/KDRK/KJRB/KAEP
KKZX
KMBI
KNFR/KKPL
KQQQ/KNTR
KRLC/KMOK
KSPS-TV
KTRW/KZZU
KUDY
KXLY-RADIO
Moscow/Pullman Daily News
Newport Miner
Ritzville/Adams County Journal
Spokane Spokesman Review
Sprague Advocate
Statesman Examiner (Colville)
The Tribune (Lewiston)
Tri-City Herald
Whitman County Gazette
Chewelah Independent
Coeur d'Alene Press
Davenport Times
Inland Automobile Association
KAQQ/KISC
KAZZ
KCLK
KCVL/KCRK
KEYF
KHQ-TV
KLEW-TV
KMJY
KPBX
KREM-TV
KSBN
KSPT/KPND
KTSL
KVNI/KKCH
KXLY-TV
Nelson Daily News
Odessa Record
South Stevens Messenger
Spokane Valley News/Herald
Standard Register
The Tribune (Deer Park)
Trail Daily Times
Wilbur Register

Individuals

Anderson, David
Benson, Brad
Blue, Muriel
Brewer, Mike
Apple, Robert W.
Binsfield, Harvey D.
Bocksch, Robert D.
Brown, Patricia

Cameron, Larry
Christopherson, C B
Dougherty, Paul B.
Edgerton, Pam
Elton, David
Gaddy, Mary
Greenwood, Earnest
Hadley, Rich
Hart, Gil
Honecker, Ken
Irving, Phil
Killian, Charles
Klein, Lotti W.
Landusky, Dennis
Lee, Shane & Julie
Marshall, John S.
Mehl, Dorothy
Monteith, John
Nelson, Dwayne
Nordhagen, Marvin
Parker, Cecelia
Peters, Tom
Rees, Larry
Rhea, Philip R.
Rogers, Thomas H., Sr.
Schmidt, Earl
Simpson, Jim
Smith, Sandy
Thain, Rick & Diane
Thompson, Mickey
Walker, Susan
Walt, Patricia
Watson, Margaret R.
Weston, Melanie

Chaisson, Bill
Compogno, Sam
Dudley, Loren
Eickmeyer, Roy A.
Fackenthall, Alan
Gillie, Lee
Gumm, Emmett
Harras, Jeanette
Herd, Chris
Iliakis, Anna
Jacobs, Carolyn
Kirkman, David & Jan
Knopp, Walter
LaPoint, Bill, Ben, & Gen
Loriana, Diane
McLaughlin, Tom
Mertens, Patrick A.
Murphy, William O, Sr.
Niven, Kurt
Pangborne, Duane
Parker, Steve
Powers, Julian
Reiner, Lucy
Sand-Wichman, Karen
Schmidt, Chas
Schneider, Ann N.
Smith, Ronald "Mark"
Snyder, Sharon
Thompson, Mary Jane
Thompson, Pete
Walt, Debbie
Warner, Wendy
Weeks, Patty
Wichman, Tom

Businesses

Avista Utilities
Food Services of America
Hart Enterprises
Inland Pacific Engineering, Inc.
M.F.G.W., Inc.
Park Lane Motel
Safeway Stores Inc.
Witherspoon, Kelley, Davenport & Toole
Burlington Northern Railroad
Groff & Murphy
Hanson Industries Inc.
Kaiser Aluminum Mead Works
Modern Office Equipment
Ramm Associates
URM Stores Inc.

Appendix C

Business List and Employment Estimates

**Final Supplemental EIS
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Appendix C Business List and Employment Estimates

Business List and Employee Estimate

SPOKANE RIVER to FRANCIS AVENUE									
ADDRESS	STREET	NAME	TYPE	EMPLOYEES	FEIS Alignment		Preferred Alternative		
					DIS-PLACE	DIS-RUPT	DIS-PLACE	DIS-RUPT	
2721 N	Market	The Bend Restaurant	restaurant and casino	85-100 **	✓		✓	minor	
2924 N	Market	RJ's Auto Mart	auto sales	1 ±			✓		
2928 N	Market	Hay You Car Wash	car wash	1 ±				minor	
3014 N	Market	Saw Clinic	power equipment sales and service	14 **			✓		
3128 E	Fairview	Markos Evergreen Sprinklers	sprinkler system sales and installation	12 ** (2 winter)	✓		✓		
3127 E	Liberty	Puget Sound Casket Co.	casket manufacturing	8 **	✓		✓		
3406 N	Market	Cosmith Italian Automotive	auto service	2 **				major	
3123 E	Bridgeport	Spokane Food Services/McDonald's Franchise Office	administrative office	15 **	✓		✓		
3416 N	Market	McDonald's Restaurant	fast food restaurant	18 f/ 30 p ^	✓		✓		
3502 N	Market	Spokane Print & Mail/Smart Shopper	publishing, printing, mailing	60 **	✓		✓		
3516 N	Market	Subway	fast food restaurant	7 **				minor	
3120 E	Garnet	Pro Automotive	auto repair	5 **	✓		✓		
3554 N	Market	Atlas Structures	steel structures	9 **				major	
3127 E	Garnet	Joe & Les Auto Electric	auto repair	4 **	✓		✓		
3122 E	Glass	Thornton & Sons	electrical service	2 **	✓		✓		
3122 E	Glass	Richards Refrigeration, Heating & Air Condition.	Heating and air conditioning service	5 **	✓		✓		
3116 E	Glass	Steve's Auto Body	auto repair	2-5 **	✓		✓		
3123 E	Glass	Steve's Auto Body	auto sales	1 **	✓		✓		
3550 N	Market	Ryen Auto Sales	sign manufacturing	1 ±	✓		✓		
3117 E	Glass	City Neon Sign Co.	vacant (formerly Kinetic Balancing & Machine)	--	✓		✓		
3117 E	Glass	Empire Auto Body	auto repair	1 **	✓		✓		

SPOKANE RIVER to FRANCIS AVENUE cont'd									
ADDRESS	STREET	NAME	TYPE	EMPLOYEES	FEIS Alignment		Preferred Alternative		
					DIS-PLACE	DIS-RUPT	DIS-PLACE	DIS-RUPT	
3118 E	Gordon	Kincaid Auto Body	auto repair	4 **	✓		✓		
3806 N	Market	vacant	former fabrication/welding shop	--			✓		
3818 N	Market	Pioneer (formerly All Pure Chemical Co.)	chemical warehousing	3 **	✓		✓		
4020 N	Market	Norweco Inc.	acetylene manufacturing	3 †			✓		
4220 N	Market	Ziggy's Building Materials & Lumber	building materials retail, material supply pick-up building, plumbing and electrical supply	87 **	✓		✓		
4312 N					✓		✓		
3412 E	Bismark	R.W. Fabricators Inc.	metal fabrication	30-35*	✓				
3520 E	Francis	Food Services of America	warehouse and distribution	248*	✓			minor	
3405 E	Bismark	Pasta USA Inc.	warehouse and distribution	35*	✓			minor	
4327 N	Thor	Koch Materials	asphalt manufacturing	8 ^	✓			major	
4410 N	Market	Dist. 17 Community College	administration building	120 **				major	
4618 N	Market	Quadri Motors	truck sales and repair	4 **			✓		
4619 N	Market	vacant	former pawn shop					minor	
3021 E	Wellesley	Qwik Stop Gas	gas station					minor	
3515 E	Wellesley	Faulkes Properties leased	appliance remanufacturer	1 †			✓		
3523 E	Wellesley	Faulkes Properties leased	auto parts dealer	1 †				minor	
5820 N	Market	Big Bear Lumber	lumber supply	8 **				major	
5906 N	Market	Ziggy's Door Shop	lumber & misc. supply	11 **			✓		
6116 N	Market	Inland Northwest Wildlife Council	private non-profit, and auditorium rental	2***				major	
TOTAL Displacements, Spokane River to Francis Avenue					24 businesses, 639-672 emp.			26 businesses, 269-282 emp.	

* verified by telephone, December 1998/January 1999

** verified by telephone, November 1999

*** verified by telephone, January 2000

† information not found; estimated

^ information taken from 1997 FEIS, Appendix E.

FRANCIS AVENUE to HAWTHORNE ROAD				FEIS Alignment		Preferred Alternative		
ADDRESS	STREET	NAME	TYPE	EMPLOYEES	DIS-PLACE	DIS-RUPT	DIS-PLACE	DIS-RUPT
6302 N	Market	Plain Jane Restaurant	restaurant (vacant)	0				minor
6401 N	Freya	Lee's Pallet Service	pallet recycling	15* (10 winter)	√			major
3501 E	Francis	Jackpot Food Mart	convenience store	3 **				minor
7118 N	Freya	A. M. Irrigation Landscape	landscape material supply	30*** (9 winter)	√		√	
7511 N	Freya	U.R.M.	grocery distributor					minor
7610 N	Freya	Building America	wood roof truss manufacturing	12*	√			minor
8102 N	Freya	Digatron	small manuf. & service	30*	√			minor
8102 N	Freya	Jetseal	small manufacturing	12*	√			minor
9700 N	Market	Mead Auto Parts	used auto parts	7*	√			
9706 N	Market	Mead Auto Glass	auto glass repair & replace.	1*	√			
9718 N	Market	Precious Metals	auto body repair	2* (3 winter)	√			
9800 N	Market	Jack's Auto Parts	wrecking yard	1*	√			√
9902 N	Market	C&T Truck Parts	wrecking & truck parts and repair	11*	√			
11110 N	Market	Great Northern Interiors	carpet & tile shop	1 ±			√	
TOTAL Displacements, Francis Avenue to Hawthorne Road					1 business, 9-30 employees		2 businesses, 10-31 employees	

* verified by telephone, December 1998/January 1999

** verified by telephone, November 1999

*** verified by telephone, January 2000

± information not found; estimated

HAWTHORNE ROAD TO US 395 at Wandermere									
ADDRESS	STREET	NAME	TYPE	EMPLOYEES	FEIS Alignment		Preferred Alternative		
					DIS-PLACE	DIS-RUPT	DIS-PLACE	DIS-RUPT	
10713 N	Market	C&R Auto Dismantlers	wrecking yard	3*	√		√		
10825 N	Market	Uncle Jim's Auto Salvage	wrecking yard	15*		minor	√		
3505 E	Hawthorne	Moore Perm-A-Mulch	landscape materials, fuel oil	18* (10 winter)	√		√		
3421 E	Hawthorne	Swanson Hay	hay supplier, distributor	12±			√		
2111 E	Hawthorne	Kaiser Aluminum Mead	aluminum processing			major		minor	
10704 N	Parksmith	Max J. Kunej	contractors storage	0	√		√		
1620 E	Mead	Willow Grove	senior assisted living home	5 full/ 3 part*	√				
12505 N	Pittsburg	Day Care	home business	2*	√				
12505 N	Pittsburg	Keith's Lawn Service	home business	9 (2 winter)*	√				
13011 N	Shady Slope	Beck's Machine Shop	machine shop	1^			√		
13100 N	Shady Slope	the Lincoln Agency	home business- mailing	9*			√		
13225 N	Lacey	Specialty Home Care	home business- nursing	1 ±				√	
	US 2	B & C Construction	construction	1 ±				√	
TOTAL Displacements, Hawthorne Road to US 395 at Wandermere					6 businesses, 23.5-38.5 emp.		7 businesses, 51-59 emp.		

* verified by telephone, December 1998/January 1999

^ verified by telephone, February 2000

a information not found; estimated

(Wisner-Martin software company which was impacted by the FEIS Alignment has relocated out of the study area.)

Impacts to the Mead School District Administration building documented in Public Services section.

Did not include in this table since it is not a business, and the jobs would not be lost to the area if they had to use a different building.

Appendix D

References

Final Supplemental EIS
North Spokane Corridor

City of Spokane Critical Areas Report, City of Spokane, November 1994.

Inventory and Analysis, Pedestrian/Bicycle Facilities, Spokane County, January 2000.

Residential Sales Reports, Spokane Association of Realtors, 1999.

Spokane County Critical Areas Ordinance, Spokane County, August 1999.

Spokane Regional Pedestrian/Bikeways Plan, Spokane Regional Transportation Council. October 1993.

Spokane Regional Transportation Plan Technical Review and Update, Spokane Regional Transportation Council, December 1998.

Transit Development Plan 1999-2005, Spokane Transit Authority.

Transportation Report for Spokane Urban Area Connectors, the TRANSPO Group, Inc., February 1999.

Value Engineering Study Report, Lincoln Road to US 395, WSDOT, March 1999.

Value Engineering Study Report, North Spokane Limited Access Corridor Francis Ave. Interchange, WSDOT, July 1998.

Appendix E

Glossary and Abbreviations

**Final Supplemental EIS
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Appendix E Glossary and Abbreviations

Affected Environment

Those elements of the project area which may be changed by the proposed alternatives. These changes may be positive or negative in nature.

Alignment

In transportation, the horizontal and vertical ground plan of a roadway, railroad transit route, or other facility as it would appear in plan and profile.

Americans With Disabilities Act (ADA) of 1990

Federal law that mandates extensive changes in building codes, transportation, and hiring practices to prevent discrimination against persons with disabilities, not only in projects involving federal dollars, but in connection with all new public places, conveyances, and employers. The significance of ADA in transportation is mainly felt in terms of transit operations, capital improvements, and hiring.

Best Management Practices (BMPs)

Physical, structural, and managerial practices that, when used individually or in combination, prevent or reduce pollution of water and attenuate peak flows and volumes. Source control BMPs are designed to prevent the introduction of pollutants into runoff. Examples would be mulches and cover over bare soil, and putting roofs over outside storage areas. Water quality BMPs include facilities that remove pollutants from runoff by simple gravity settling of particulate matter, filtration, biological uptake, and soil adsorption. Examples include wet ponds and vegetated swales. Water quantity BMPs protect stream ecosystems from excessive erosion by reducing peak rate of runoff during a storm event by storing the flow and releasing it at a lower rate. Typical examples are dry ponds and dry vaults. The selection of proper BMPs for a project is dependent on characteristics of the project site, and often any one of a number of BMPs could be utilized to accomplish the same result.

Capacity

The maximum number of vehicles that a given section of roadway or traffic lane can accommodate in one direction in one hour.

Carbon Monoxide (CO)

Air Pollutant caused by automobile emissions. Advanced health effects can occur when the carbon monoxide levels exceed the National Ambient Air Quality Standards (NAAQS) for carbon monoxide. The primary method of reducing carbon monoxide levels is through reductions in automobile pollution emissions using such measures as federal motor vehicle emission standards and local emission testing programs. Improvements to transit service which result in fewer vehicles, and therefore less vehicle emission, would help in meeting and/or maintaining NAAQS for carbon monoxide.

Clean Air Act Amendments of 1990

Federal law that identifies “mobile sources” (vehicles) as primary sources of pollution and call for stringent new requirements in metropolitan areas and states where attainment of National Ambient Air Quality Standards (NAAQS) is or could be a problem.

Collector/Distributor Road (C/D Road)

A one-way roadway at an interchange that is separated from the freeway main line (through traffic) and provides access between two or more adjacent interchange ramps and the freeway mainline.

Commuter Trip Reduction Law (CTR)

This state law requires major employers in the eight most populous counties of the state to reduce the number of single-occupant vehicle (SOV) trips and the number of vehicle miles traveled (VMT) by their employees. SOV trips and VMT must be reduced from a baseline year within homogeneous trip-reduction zones. The reduction goals are 15% by 1995, 25% by 1997, and 35% by 1999.

Comprehensive Plan

A compendium of maps, charts, and text which contain a city or county's plan for long-term development. Also a legal document required by the state's Growth Management Act. The detailed requirements for the plan are outlined in RCW 36.70A.

Concurrency

The Growth Management Act requires that adequate public services and facilities such as water, sewer, storm drainage, and transportation infrastructure must be available at the time new development is occupied. Also, the level of service for that infrastructure must meet standards set by the city or county.

Conformity

A federal and state requirement that transportation plans, programs, and projects should improve, not worsen air quality. Conformity applies in those counties in which there is a nonattainment area for carbon monoxide, particulate matter, or ozone.

Congestion Mitigation and Air Quality Improvement Program (CMAQ)

A categorical funding program contained in Title 1 of ISTEA that provides funds for projects and activities to reduce congestion and improve ambient air quality. To be eligible for CMAQ, projects and activities must contribute to achieving National Ambient Air Quality Standards and must be included in a Transportation Improvement Program (TIP).

Corridor

A strip of land or linear band, normally within a system corridor, through which various alternative transportation facilities may be placed, allowing flexibility of alignment that is refined at the design stage. Location corridors are chosen based on social, economic, environmental, engineering and transportation factors.

dBA

The sound pressure levels in decibels measured with a frequency weighting network corresponding to the A-scale on a standard sound level meter. The A-scale tends to suppress lower frequencies, e.g. below 1,000 Hz.

Decibel

The basic unit of sound pressure level measurement. It represents one-tenth of a Bel, a measurement on a logarithmic scale which indicates the ratio between two sound powers. A ratio of 2 in power corresponds to a difference of 3 decibels between the two sounds.

Design Standards

Engineering Principles which determine the principal features of the highway.

Environmental Justice

On Feb. 11, 1994, President Clinton signed Executive Order 12898 entitled "Federal Actions to Address Environmental Justice in Minority Populations and Low-Income

Populations”. Its goal is to avoid disproportionately high and adverse impacts on low income and minority populations. WSDOT has endeavored to explicitly demonstrate awareness of and sensitivity to issues affecting low income and minority neighborhoods.

4(f)

Section 4(f) of the (U.S.) Department of Transportation Act (49 U.S.C. 303) states that the FHWA will not approve the use of land from a significant publicly owned park, recreation area, or wildlife and waterfowl refuge, or significant historic site unless a determination is made that:

- (1) There is no feasible and prudent alternative to the use of land from the property; and
- (2) The proposed action includes all possible planning to minimize harm to the property resulting from such use.

The Section 4(f) evaluation is a separate analysis of impacts to Section 4(f) resources that would be caused by the various alternatives under consideration.

Growth Management Act (GMA)

A state law passed by the legislature in 1990 and amended in 1991 which addresses the negative consequences of unprecedented population growth and suburban sprawl in Washington state. The GMA requires all cities and counties in the state to do some planning and has more extensive requirements for the largest and fastest-growing counties and cities in the state. It’s requirements include guaranteeing the consistency of transportation and capital facilities plans with land use plans.

High Occupancy Vehicle (HOV)

An automobile, van, pick-up truck, or bus that carries enough people to travel in the HOV or Diamond Lane. In Washington state, most HOV lanes require that two or more persons travel together, although in some places three people are needed.

Impact

A direct or indirect consequence of the construction or operation of a proposed alternative on the environment in the study area.

Interdisciplinary Team

A group of employees from the WSDOT and other agencies who have expertise in a variety of subject areas. This group conducts preliminary design and environmental studies to analyze the engineering, environmental, economic and social impacts of various project proposals. This leads to the development of a departmental recommendation for the project. The Team also is responsible for integration of the Public Involvement Plan in the planning and design process.

Transportation Equity Act for the 21st Century (TEA-21)

Reauthorization of the landmark 1991 Intermodal Surface Transportation Efficiency Act. This federal law provides conditions and authorization for flow of federal highway revenue to states for roads, transit, ferries, and other transportation purposes..

Level-Of -Service

A qualitative measure describing operational conditions within a traffic stream; generally described in terms of such factors as speed and travel time, freedom to maneuver, traffic interruptions, comfort and convenience, and infrastructure as a part of the policies governing growth management.

Mainline

The through lane(s) of the roadway.

Metropolitan Planning Organization (MPO)

The agency designated by the governor (or governors in a multi-state areas) to administer the federally required transportation planning process in a metropolitan area. An MPO must be in place in every urbanized area over 50,000 population. The MPO may also be Council of Governments, Planning Association, Planning Authority, Regional or Area Planning Council, or Regional or Area Planning Commission. ISTEA provides procedures under which local governments and governor(s) may designate or redesignate an MPO.

Mitigative Measure

An action taken to reduce or eliminate an adverse impact stemming from construction or operation or maintenance of a proposed action alternative.

Multi-Modal

Concerning or involving more than one transportation mode (e.g. buses, carpools, trolleys, private automobiles) at the same time.

National Ambient Air Quality Standards (NAAQS)

Standards created by the Environmental Protection Agency (EPA) to help mitigate the health impacts of air pollution. EPA established NAAQS measures for six pollutants: carbon monoxide, ozone, particulate matter, lead, sulfur dioxide, and nitrous oxide.

National Highway System (NHS)

Designated by Congress in 1995 and contains all Interstate routes, a large percentage of urban and rural principal arterials, and strategic highways and connectors. ISTEA funding will be available for the NHS.

National Pollution Discharge Elimination System (NPDES)

A part of the Clean Water Act that requires point source dischargers of pollutants to obtain a permit. The Department of Transportation is affected by this requirement because of highway runoff. The Department of Ecology administers the permitting process.

Nonattainment Area

A nonattainment area does not meet the National Ambient Air Quality Standards. In Washington, Seattle/Tacoma, Spokane, and Vancouver are nonattainment areas for ozone and/or carbon monoxide. There are other nonattainment areas for particulate matter.

Overcrossing, Overpass

A grade separation where the freeway passes over the crossroad or rail line.

Peak Hour

A single morning or evening hour during which the maximum traffic volume occurs.

Peak Period

The time period during which the transportation system operates at or near the maximum traffic volume.

PM10

An air quality measurement of particulate matter smaller than or equal to 10 microns.

Regional Transportation Plan

A plan required of all Regional Transportation Planning Organizations (RTPOs) receiving funding for regional planning under the Regional Transportation Plan Program of the Growth Management Act.

Regional Transportation Planning Organizations

Authorized by the Legislature in 1990 as part of the Growth Management Act. RTPOs are created by local governments to coordinate transportation planning among jurisdictions and to develop a regional transportation plan. Washington state provides funding and a formal mechanism that is available to all local governments (and not only those required to plan under GMA) and the State to coordinate transportation planning for regional transportation facilities. Currently, RTPOs are formed through voluntary associations of local governments within regions defined as at least one county with at least 100,000 population or at least three counties if the combined population is less than 100,000.

Relocation

A program for the fair and equitable treatment of persons displaced as a result of public works programs undertaken by state and local governments so that such persons do not suffer disproportionate impacts as a result of programs designed for the benefit of the public as a whole.

Right of Way

Land, property or property interest, usually in a strip, acquired for or devoted to transportation purposes.

State Implementation Plan (SIP)

A three-year investment strategy required at the state level, that addresses the goals of the state long-range plan and lists priority projects and activities throughout the state.

Surface Transportation Program (STP)

One of the key capital programs in Title 1 of ISTEA. It provides flexibility in expenditure of “road” funds for nonmotorized and transit modes and for a category of activities known as transportation enhancements. It also broadens the definition of eligible transportation activities to include pedestrian and bicycle facilities and enhancement of community and environmental quality with 10 categories of activities.

Transportation Control Measures

Implemented to enable nonattainment areas to meet their emissions goals. They can include TDM measures, parking policies and pricing, or other system improvements that reduce congestion.

Transportation Demand Management (TDM)

An effort to reduce the number of people traveling by single-occupant vehicles (SOV) by promoting non SOV modes of transportation (e.g.; carpools, vanpools, transit). TDM efforts may also discourage the use of SOVs by imposing tolls or taxes.

Transportation Improvement Program (TIP)

A three-year transportation investment strategy required under ISTEA. It is similar to the six-year program required by state law, which addresses the goals of the long range plans and lists priority projects and activities for the region. [At the state level, the TIP is also known as a state transportation improvement plan (STIP), not to be confused with a SIP. TIPs from all regions are incorporated in the STIP.]

Transportation Management Areas (TMAs)

Areas subject to special requirements under ISTEA and in some cases benefit from preferential treatment with regard to air quality needs and local authority to select transportation projects. Any urban area over 200,000 population is automatically a Transportation Management Area, which subjects it to additional planning

requirements but also entitles it to funds earmarked for large urbanized areas under the Surface Transportation Program. Additional areas may be designated TMAs if the governor and the MPO or affected local officials request designation. Such a designation would entitle them to greater local project selection authority through their MPOs and to STP funds earmarked for large urban areas. TMAs must also prepare Congestion Management Systems.

Transportation System Management (TSM)

A variety of actions and activities designed to make the existing transportation system more efficient. For example, traffic synchronization.

Undercrossing, Underpass

A grade separation where the freeway passes under the crossroad or rail line.

Urban Growth Areas

Areas where urban growth will be encouraged. Counties and cities must cooperatively establish the urban growth areas. Cities must be located inside urban growth area.

Once established, cities cannot annex land outside the urban growth boundary.

Growth outside of the urban growth boundary must be rural in character.

Weaving

The traffic flow stemming from the crossing of traffic streams moving in the same direction as associated with closely spaced adjacent on and off-ramps.

Wetlands

Lands that are either permanently or seasonally inundated by surface or ground water with a frequency sufficient to support and under normal circumstances does or would support a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction.