AASHTO - IS 2009

Subcommittee on Information Systems
Annual Meeting
May 3 - 6, 2009

Seattle Marriott Waterfront
Seattle, Washington

AASHTO
THE VOICE OF TRANSPORTATION

Technology
...in support of
Transportation

New
Horizons

with Information Technology

Welcome to Seattle!

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Welcome to Seattle!

*We are glad you joined us to explore
New Horizons with Information Technology!*

AASHTO
Subcommittee on Information System

2009
Conference and Annual Meeting

Hosted by
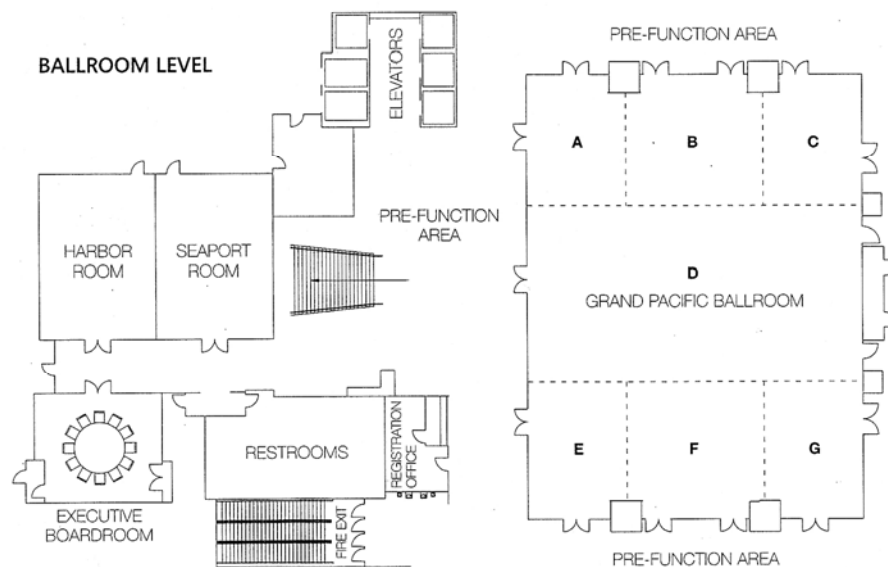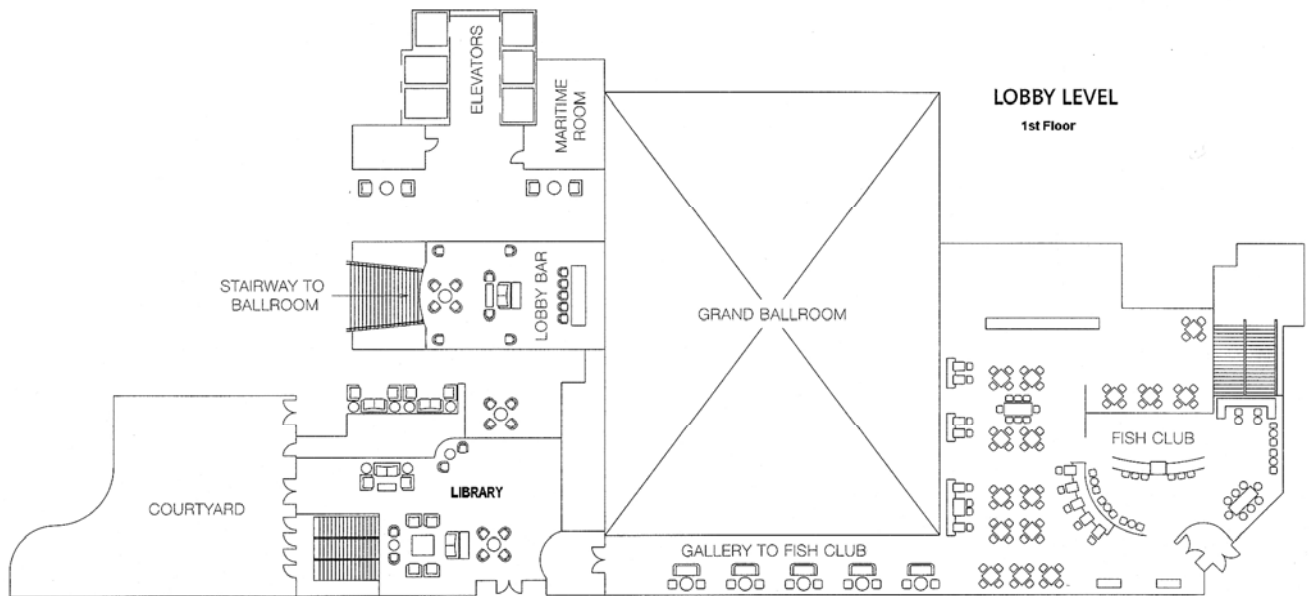### Washington State

May 3 – 6, 2009

Seattle, Washington

Seattle Marriott
Conference Area

Conference activities, including Registration, General Sessions and Exhibitor's Tradeshow will be held on the Ballroom Level.   The Cyber Café is also located on the Ballroom Level, in the Seaport room.

All meals will be served on the first floor, Lobby Level (between the Library and Lobby Bar area, near the staircase).

LOBBY LEVEL
1st Floor

ELEVATORS

MARITIME ROOM

STAIRWAY TO BALLROOM

LOBBY BAR

GRAND BALLROOM

FISH CLUB

COURTYARD

LIBRARY

GALLERY TO FISH CLUB

BALLROOM LEVEL

ELEVATORS

PRE-FUNCTION AREA

HARBOR ROOM

SEAPORT ROOM

PRE-FUNCTION AREA

A   B   C

D

GRAND PACIFIC BALLROOM

E   F   G

EXECUTIVE BOARDROOM

RESTROOMS

REGISTRATION OFFICE

FIRE EXIT

PRE-FUNCTION AREA

The Exhibitors Tradeshow is located in the **Grand Pacific Ballroom D** and in the **Seaport Room**, both located on the lower level.
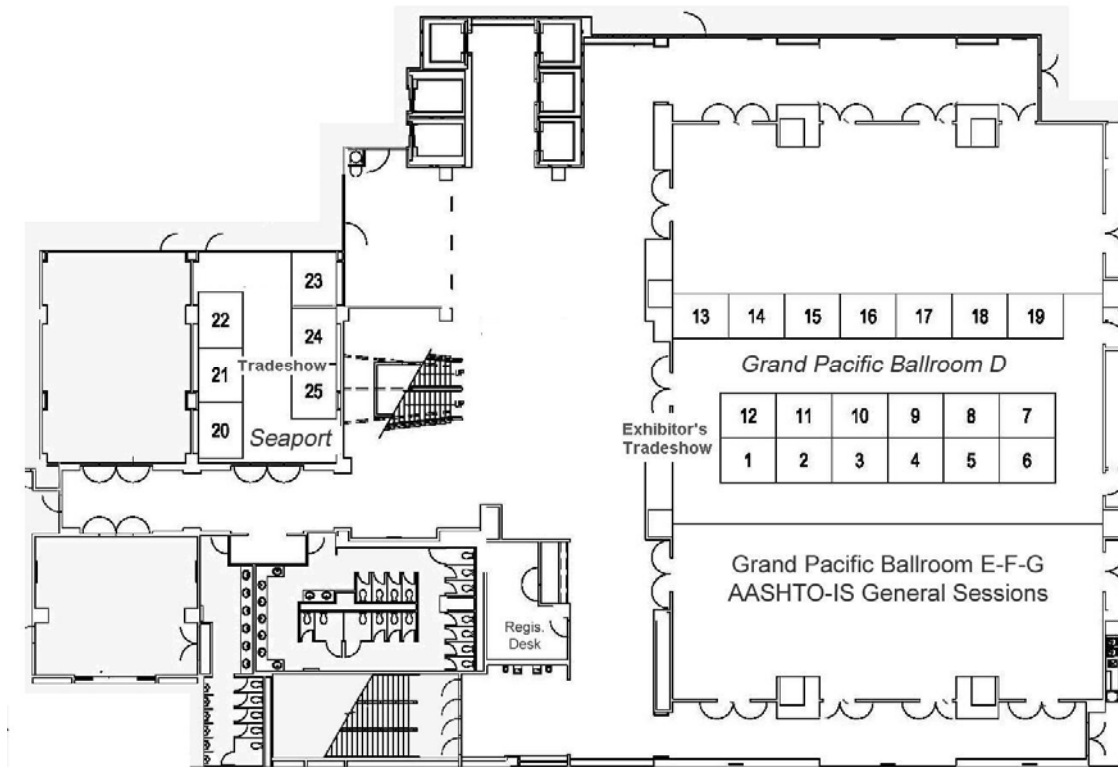
EXHIBITORS

Grand Pacific Ballroom D	
1. Cisco	11. AgileAssets
2. Semantic Arts	12. Oracle and Ciber
3. ARX, Inc.	13. Intergraph
4. Cambridge Systematics	14. InfoTech
5. Gartner, Inc.	15. SAS and CXI
6. IBM Corporation	16. Mainline Information Systems
7. Kronos	17. UMT Consulting Group
8. ImageSource	18. Exor
9. Geo Decisions	19. *Break Time Food & Beverage*
10. Dye Management Group, Inc.	

Seaport Room	
20. ESRI	23. *Cyber Café*
21. CITRIX	24. AASHTO
22. *Break Time Food & Beverage*	25. Microsoft

The Cyber Café will open on Monday morning (May 4). It is located in the Seaport Room, on the lower level.

Daily hours:

- Monday   7:00 a.m. – 6:00 p.m.
- Tuesday   7:00 a.m. – 6:00 p.m.
- Wednesday   7:00 a.m. – 1:00 p.m.

AASHTO Subcommittee on Information Systems

Past Meetings

Year	Location	Name
2008	Biloxi, Mississippi	John Simpson
2007	Pittsburgh, Pennsylvania	Jean McCathern
2006	Fort Worth, Texas	Judy Skeen
2005	Baton Rouge, Louisiana	Dom Cali
2004	Orlando, Florida	Nelson Hill
2003	Oklahoma City, Oklahoma	David Ooten
2002	Whitefish, Montana	Mike Randall
2001	Louisville, Kentucky	Jim Ramsey
2000	Dover, Delaware	Tara Stewart
1999	Mystic, Connecticut	Tom Perrone
1998	San Antonio, Texas	Judy Skeen
1997	Mackinac Island, Michigan	Michael Cleary
1996	Orlando, Florida	Stan Bittner
1995	Winnepeg, Manitoba	Dan Buhler
1994	Sacramento, California	Marlin Beckwith
1993	Kansas City, Missouri	Ben Nelson (Kansas)
1992	St. Paul, Minnesota	John Schwartz
1991	Phoenix, Arizona	John McDowell
1990	Reno, Nevada	Donald Quilici
1989	Rapid City, South Dakota	Al Yocom
1988	Burlington, Vermont	Gerry Gingras
1987	Denver, Colorado	Don Kirkpatrick
1986	Atlanta, Georgia	Jose Nieves
1985	Seattle, Washington	Lee Easom
1984	Des Moines, Iowa	Norm Baker
1983	Boloxi, Mississippi	
1982	Madison, Wisconsin	

Current Meeting

Year	Location	Name
2009	Seattle, Washington	Grant Rodeheaver

Special Thanks to our
2009 Conference Planning Committee Members

Planning

- Grant Rodeheaver
- Vonnie Diseth
- Sarah Schroder
- Alana Ayers
- Lesli Rodeheaver
- Nadine Jobe

Sponsors & Exhibitors Tradeshow

- Nadine Jobe
- Maribeth Sapinoso
- Peter Schultz
- Cindy Gonia

Communication

- Sarah Schroder
- Erica Mulherin
- Thelma Smith

Registration

- Lesli Rodeheaver
- Laurie Ross
- Maribeth Sapinoso
- Thelma Smith
- Marj Shomshor

Transportation

- Thelma Smith
- Travis Cox
- Greg Roche
- Maribeth Sapinoso

Program

- Grant Rodeheaver, Washington
- Vonnie Diseth, Washington
- Jan Edwards, AASHTO
- Judy Skeen, Texas
- Mike Bousliman, Montana
- Tom Hurd, Vermont
- Princess Harper, Alabama
- Jim Silveria, Massachusetts
- Vicki Bradford, Florida
- Nelson Hill, Florida
- Don Grayson, Mississippi

Budget

- Scott Kibler
- Kirsten Montes

Cyber Café & Technical Support

- Grant Goldsby
- Travis Cox
- Greg Roche
- David Swendt
- Daniel Kucinski
- Philip Johnson
- Thomas Loew

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Program

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Program

▶ Sunday - May 3, 2009 ● ● ● ● ● ● ● ● ● ● ● ● ●

9:00 a.m. – 9:00 p.m.	**Registration** (All Attendees)	**Registration Desk**

10:00 a.m. – 12:30 p.m.	**Transportation Research Board (TRB) Information Systems and Technology Committee Meeting**	**Harbor Room**

*NOTE: The TRB Meeting is **open to all conference attendees**. Advanced Registration is required for those planning to stay for lunch (boxed lunch).*

Committee Officers:

C. Douglass Couto (pictured), Chair
Paula Ewen, Secretary
Thomas M. Parlmerlee, TRB Staff

Session Agenda
- Creation of Subcommittee to Address Emerging Subjects
- IT as Part of the Strategic Highway Research Program 2 (SHRP2)
- IT and Lean Construction
- IT and Sensor Technologies
- Writing a Successful IT Research Proposal
- IT Strategies for Transportation Agencies and the Committee Triennial Report

1:00 p.m. – 5:00 p.m.	**Exhibitor Setup**	**Grand Pacific Ballroom D and Seaport Room**

1:00 p.m. – 2:30 p.m.	**New AASHTO Member Orientation**	**Harbor Room**

Speakers:
Jan Edwards, Project Director, AASHTO
Judy Skeen P.E., AASHTO IS Vice Chair
Grant Rodeheaver, IT Director, WSDOT

Program

2:30 p.m. – 5:00 p.m.   **FHWA/State DOT Opportunities**   **Harbor Room**

Speakers:
Paula Ewen (pictured), Director
Office of Information and Management Services, FHWA

Ken Jacoby, FHWA

Session Agenda
- Consolidated IT infrastructure: Where We Are and What Do We Need to Do to Strengthen the FHWA to State DOT Technology Collaboration;
- American Recovery and Reinvestment Act System: What is New;
- National Highway Specifications Website;
- IT and the Future: A Strategic View

5:00 p.m. – 7:00 p.m.   **Exhibitor's Reception**   **Grand Pacific Ballroom EFG**
Light Refreshments
and hors d'oeuvres

5:00 p.m. – 8:00 p.m.   ****** Dinner on Your Own ******   *See restaurant suggestions under 'About Seattle'*

8:00 p.m. – 11:00 p.m.   **Washington State Welcome**   **1st Floor/Lobby**
Reception   **Library Area**

Enjoy hors d'oeuvres and meet other AASHTO-IS Conference Attendees

Hospitality Sponsored by: ESRI and CGI

Program

7:00 a.m. – 5:00 p.m.	**Registration** (All Attendees)	**Registration Desk**
7:00 a.m. – 8:00 a.m.	**Breakfast**	**1st Floor Library & Lobby Bar Area**
7:00 a.m. – 6:00 p.m.	**Vendor Exhibits**	**Grand Pacific Ballroom D and Seaport Room**
8:00 a.m. – 9:30 a.m.	**Welcome To Washington State** *- Opening Session -*	**Grand Pacific Ballroom EFG**

Moderator:
Grant Rodeheaver, IT Director
Office of Information Technology (OIT),
Washington State Dept. of Transportation (WSDOT)

Speakers:

Paula J. Hammond, Secretary
Washington State Dept. of Transportation (WSDOT)

Bill Ford, Assistant Secretary
Administrative Operations
Washington State Dept. of Transportation (WSDOT)

Roll Call of States, FHWA and AASHTO Staff:

Veronica (Vonnie) Diseth, IT Deputy Director
Office of Information Technology (OIT),
Washington State Dept. of Transportation (WSDOT)

Introduction of Sponsors, Exhibitors, and Other Vendors

Grant Rodeheaver, IT Director
Office of Information Technology (OIT),
Washington State Dept. of Transportation (WSDOT)

Program

9:30 a.m. – 10:00 a.m.	**Break and Vendor Exhibits**	**Grand Pacific Ballroom D and Seaport Room**
	Break Sponsored by: CITRIX, ETC, and CA	

10:00 a.m. – 11:30a.m.	**Keynote** **Invention and Innovation – Gathering Insights from the Future to Make Life Better Today**	**Grand Pacific Ballroom EFG**

Speaker:

Elwood "Woody" G. Norris,
Inventor, Visionary, and Futurist

11:30 a.m.–12:00 p.m.	**State Attendees Group Photograph**	**Lobby Staircase**

12:00 p.m. – 1:30 p.m.	**Lunch**	**1st Floor/Lobby Library & Bar Areas**

1:30 p.m. – 3:00 p.m.	**Data Dashboards for Transportation Projects**	**Grand Pacific Ballroom EFG**

Speaker:

Stevan Gorcester, Executive Director, Washington
State Transportation Improvement Board (TIB)

3:00 p.m. – 3:30 p.m.	**Break and Vendor Exhibits**	**Grand Pacific Ballroom D and Seaport Room**
	Sponsored By: CITRIX, ETC, CA	

Program

| 3:30 p.m. – 4:00 p.m. | **WSDOT IT Dashboard Pilot Project** | **Grand Pacific Ballroom EFG** |

Speaker:

Thelma Smith, Project Manager, Washington State Dept. of Transportation (WSDOT)

| 4:00 p.m. – 5:00 p.m. | **Washington Transportation Framework for GIS (WA-Trans) Project** | **Grand Pacific Ballroom EFG** |

Speakers:

Tami Griffin (pictured), GIS Project Manager Washington State Dept. of Transportation (WSDOT)

Michael Leierer, Assistant GIS Project Manager and Technical Lead Washington State Dept. of Transportation (WSDOT)

| 6:00 p.m. – 10:00 p.m. | **Opening Night Event –** Seattle Mariner Baseball Game at Safeco Field | Bus Transportation Provided *- Departs from Marriott Entrance* |

Enjoy dinner and the experience of professional baseball at the world-class Safeco Field. AASHTO-IS Attendees will be hosted in an exclusive suite, located above right field. Appetizers and dinner will be served while you enjoy the game.

The Seattle Mariners will square off against the Texas Rangers!

Program

7:00 a.m. – 5:00 p.m.	**Registration & Information**	**Registration Desk**
7:00 a.m. – 8:00 a.m.	**Breakfast**	**1st Floor/Lobby Library & Bar Area**
7:00 a.m. – 6:00 p.m.	**Vendor Exhibits**	**Grand Pacific Ballroom D and Seaport Room**

8:00 a.m. – 9:30 p.m.   **2009 AASHTO Subcommittee on Information Systems Business Meeting**   **Grand Pacific Ballroom EFG**

NOTE: The business session is open for AASHTO member representatives (state government attendees) only.

▪ **Call to Order**
Judy Skeen, Director, Technology Services, Texas DOT,
Vice Chair, AASHTO Subcommittee on Information Systems

▪ **Task Force Reports:**
GIS-T Task Force Report and Charter Document
Daris Ormesher, South Dakota DOT
Representative, Chair, GIS-T Task Force

▪ **AASHTOWare® Update**
Judy Skeen, Director, Technology Services, Texas DOT,
Vice Chair, AASHTO Subcommittee on Information Systems
Member, AASHTO Special Committee on Joint Development

▪ **IT Survey Report**
John A. Morden, Information Technology Manager, Florida DOT
Chair, AASHTO Technical & Applications Architecture Task Force

▪ **Joint Technical Committee on Electronic Engineering Data / TransXML Status**
Jim Ramsey, P.E., Project Manager/Consultant, AASHTO

▪ **Future Meetings IS 2010 and Beyond**
Judy Skeen, Vice Chair, AASHTO Subcommittee on Information Systems

▪ **New Business – Open Discussion**

Program

9:30 a.m. – 10:00 a.m.   **Break and Vendor Exhibits**   **Grand Pacific Ballroom D
                                                                      and Seaport Room**

                              Sponsored By: CITRIX, ETC and CA

10:00 a.m.- 11:00 a.m.   **Enterprise 2.0**   **Grand Pacific Ballroom EFG**

Speaker:

Ralph Menzano, Executive Director,
Oracle's North American Transportation Industry

11:00 a.m.–12:00 a.m.   **Next Generation – Web 2.0, "The   **Grand Pacific Ballroom EFG**
                              Social Web"**

Speaker:

Dave McComb, President,
Semantic Arts, Inc.

12:00 p.m. – 1:30 p.m.   **Lunch**   **1st Floor/Lobby
                                                                       Library & Bar Area**

1:30 p.m. – 2:15 p.m.   **Transportation Bill   **Grand Pacific Ballroom EFG**
                              Reauthorization
                              – Data Impacts**

Speaker:

David R. Winter, P.E., Director
Office of Highway Policy Information,
Federal Highway Administration (FHWA)

Program

2:15 p.m. – 3:00 p.m. **Records Management Strategies & Technology Demonstration** **Grand Pacific Ballroom EFG**

Speakers:

Mike Bousliman, Administrator, Information Services, Montana DOT

Rob J. Van Hooser (pictured), J.D. Practice Director, Millican & Associates, Inc.

3:00 p.m. – 3:30 p.m. **Break and Vendor Exhibits** **Grand Pacific Ballroom D and Seaport Room**

Sponsored By: CITRIX, ETC, CA

3:30 p.m. - 4:15 p.m. **Preparing for Windows 7 and Internet Explorer 8 in the Enterprise** **Grand Pacific Ballroom EFG**

Speaker:

Julian Soh, Technology Strategist Microsoft

4:15 p.m. - 5:00 p.m. **Transportation Knowledge Networks** **Grand Pacific Ballroom EFG**

Speaker:

Leni Oman, Director, Research and Library Services Washington State Dept. of Transportation (WSDOT)

6:30 p.m. – 10:00 p.m. **Dinner Cruise on Elliott Bay** Bus Transportation Provided
- Departs from Marriott Entrance

Join us aboard the Royal Arogsy for incredible views of Seattle and a full-course dinner. From your table, you will enjoy spectacular, ever-changing views of the city skyline, gorgeous scenery and scenic islands as we cruise on Elliott Bay and Puget Sound.

Sponsored By: Oracle and Ciber

Program

7:00 a.m. – 5:00 p.m.	**Information**	**Registration Desk**
7:00 a.m. – 8:00 a.m.	**Breakfast**	**1st Floor/Lobby Library & Bar Area**
7:00 a.m. – 1:30 p.m.	**Vendor Exhibits**	**Grand Pacific Ballroom D and Seaport Room**

8:00 a.m. – 9:30 p.m. **Digital Signatures for Authorizations and Approvals** **Grand Pacific Ballroom EFG**

Speaker:

John Marchioni, Vice President, ARX, Inc.

9:00 a.m. – 10:00 a.m. **Best Practices in Enterprise-wide SOA Initiatives** **Grand Pacific Ballroom EFG**

Speaker:

Jeff Schulman, Managing VP
Gartner Research

10:00 a.m.–10:30 a.m. **Break and Vendor Exhibits** **Grand Pacific Ballroom D and Seaport Room**

Sponsored By: CITRIX, ETC, CA

10:30 a.m.–11:30 a.m. **Variable Tolling - Washington State's SR 167 HOT Lanes Pilot Project Toll Collection System** **Grand Pacific Ballroom EFG**

Speaker:

Patty Rubstello, PE,
Tolling and Systems Development Engineer, WSDOT

Program

11:30 a.m.–12:00 a.m.   **Invitation to AASHTO IS 2010**   **Grand Pacific Ballroom EFG**

This is an opportunity for delegates from the next host state (yet to be determined) to present highlights of their city and state as well as provide some high-level information on the plans for next year's annual meeting and extend an official invitation to the state delegates.

12:00 p.m. – 1:30 p.m.   **Lunch**   **1st Floor/Lobby Library & Bar Area**

1:30 p.m. – 5:00 p.m.   **Tradeshow closed** Exhibitors Teardown   **Grand Pacific Ballroom D and Seaport Room**

1:30 p.m. - 2:30 p.m.   **GIS for Data Integration and Performance Management**   **Grand Pacific Ballroom EFG**

Speaker:

Terry Bills, Transportation Industry Manager, ESRI

2:30 p.m. - 3:15 p.m.   **Closing the Strategy to Execution Gap by Using Project Portfolio Management**   **Grand Pacific Ballroom EFG**

Speaker:

Gaylord Wahl, Point B

3:15 p.m. – 3:30 p.m.   **Break** Sponsored By: CITRIX, ETC, CA   **Grand Pacific Ballroom EFG**

3:30 p.m. - 4:15 p.m.   **There Are Clouds In Your Future**   **Grand Pacific Ballroom EFG**

Speaker:

Jeff Barr, Senior Cloud Computing Strategist Amazon

Program

Wednesday - May 6, 2009 (continued)

4:15 p.m. - 5:00 p.m.   **Implementing a Green IT Strategy**   **Grand Pacific Ballroom EFG**
Through Virtualization

Speaker:

Doug Couto, Director
Transportation State and Local Government Team
CITRIX Systems, Inc.

5:00 p.m. – 8:00 p.m.   ****** Dinner on your Own ******   *See restaurant suggestions under 'About Seattle'*

8:00 p.m. – 11:00 pm.   **Closing Night Event**   **Grand Pacific Ballroom EFG**

Live Music Entertainment by
Crème Tangerine (Beatles and Classic Rock Music)

*As the conference winds down, the evening will close with live music and festivities. Closing ceremonies will be held Wednesday evening at the Seattle Marriott Waterfront Hotel. Enjoy hors d'oeuvres and beverages as **Crème Tangerine**, a Beatle's music experience band, provides entertainment.*

Monday, May 4

6:00 p.m. – 10:00 p.m.

Opening Night Event –
Seattle Mariner Baseball Game at Safeco Field

Enjoy dinner and the experience of professional baseball at the world-class Safeco Field. AASHTO-IS Attendees will be hosted in an exclusive suite, located above right field. Appetizers and dinner will be served while you enjoy the game.

Featured Menu

Traditional Ballpark Fare –

- *Cloverdale Hot Dog Bar with traditional condiments*
- *Mariners Hamburger Bar with traditional condiments*
- *Classic Potato Salad*
- *Tangy Barbeque Baked Beans*

Game Munchies and Dessert

- *Peanuts*
- *Popcorn*
- *Potato Chips & Dip*
- *Gourmet Dark Chocolate Chip Cookies*
- *Dark Chocolate Brownies*

Beverages
Assorted Pepsi Products, Bottled Water and Access to Wells Fargo Terrace Club

6:30 p.m. – 10:00 p.m.
Dinner Cruise on Elliott Bay

Join us aboard the Royal Arogsy for incredible views of Seattle, hors d'oeuvres and a full-course dinner. From your table, you will enjoy spectacular, ever-changing views of the city skyline, gorgeous scenery and scenic islands as we cruise on Elliott Bay and Puget Sound.

Sponsored By: Oracle and Ciber

Featured Menu

Chevre & Champignon Stuffed Chicken Breast
Chicken breast stuffed with prosciutto ham, leeks, mushrooms and goat cheese, topped with a brandy cream sauce and mire poix vegetables

Baked Salmon with Citrus Vinaigrette
Baked Alaskan Salmon topped with a Champagne vinegar dressing infused with lemon and orange zest and a hint of fresh chervil and cilantro

Beef Burgundy
A rich and flavorful stew, thick with mushrooms and tender beef medallions in a Burgundy wine reduction sauce

Mushroom Ravioli
Locally made fresh ravioli with mushrooms, ricotta and parmesan cheese served with a pesto sauce

Roasted Butternut Squash Salad
Seasonal greens, roasted squash, raisin, red onions, toasted walnuts and radicchio tossed with a sherry maple vinaigrette

Haricot Vert Salad
A colorful display of marinated white and green beans, tossed with cherry tomatoes, fresh basil and shallots in a red-wine vinaigrette

Pineapple Rice

Fresh Fruit

A Trio of Spreads with Herb Foccacia

Chef's Dessert Samplings

Beverages
Coffee, Tea, Fountain Sodas and Full Service Bar

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Abstracts

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Monday, May 4

Keynote Address Invention and Innovation – Gathering Insights from the Future to Make Life Better Today	Monday, 10:00 a.m. – 11:30 a.m. Elwood "Woody" G. Norris

Elwood "Woody" G. Norris won the 2005 $500,000 Lemelson-MIT Prize as Inventor of the Year. He holds 47 U.S. patents with more than 100 pending patents worldwide, Elwood "Woody" G. Norris is widely recognized as a prolific inventor and a talented technology integrator. His interest in electronics started at a young age, with a rigorous experimentation method of inventing that he continues to this day.

Data Dashboards for Transportation Projects	Monday, 1:30 p.m. – 3:00 p.m. Stevan Gorcester

Steve will demonstrate, over the Internet, how the Washington State Transportation Improvement Board (TIB) manages agency finances and performance using its award-winning data dashboard. TIB administers six state grant programs for local government transportation projects. TIB's dashboard updates in real time using XML data calls to multiple SQL databases and tracks all of the agency's projects, performance and finances. The session will identify key metrics used to solve problems and improve business practices. Several practical examples of performance-based budgeting will also be shown.

Washington State Dept. of Transportation IT Dashboard Pilot Project	Monday, 3:30 p.m. – 4:00 p.m. Thelma Smith

While all of our transportation departments are focused on providing highway infrastructure to our citizens, most often tools and support of managing our Information technology takes a back seat to our organizations' purpose or the systems support we provide for the agency. WSDOT has taken the first steps towards gathering the information about the state of technology and information. We are bringing the data on Information technology into one central location from various source systems to provide a representation of state of our IT!

Come with us on the journey! Thelma will present where we started, what we discovered along the way, where we are now and where we are headed. We will show you what we have done with very limited funds and resources. Using our first iteration dashboards we will demonstrate how the collection of this information into a graphic form has impacted our strategic plans and provided the holistic view of the state of WSDOT's Information Technology.

Washington Transportation Framework for GIS (WA-Trans) Project	Monday, 4:00 p.m. – 5:00 p.m. Tami Griffin

GIS Transportation data is very expensive to develop and maintain. Multiple governmental agencies at different levels expend a tremendous amount of resources to develop and maintain disparate geospatial transportation data sets. Departments of Transportation are increasingly responsible for the ability to show, use and report using geospatial data statewide including local roads. The Washington Transportation Framework for GIS Project (WA-Trans) goal is to develop and maintain a statewide transportation dataset for use in Geographic Information Systems across the state. This project is committed to developing this information collaboratively using data from the local, tribal, state and federal providers with the best data available. Led by the Washington State Department of Transportation, this project has established a partnership of:

- 11 state agencies,
- 24 counties,
- 10 cities,
- 9 tribal nations,
- 4 regional planning offices,
- 4 transit organizations,
- 3 federal agencies,
- and others.

Additionally WA-Trans has partnered with six other state transportation agencies in a pooled fund to support development of the architecture and technical processes.

WA-Trans has focused on:

- determining the business value for all participants, with a focus on transportation management;

- partnering with local agencies to minimize the impact to them and maximize the value for regional and statewide data output products;

- Developing processes, architectures and agreements which support continued data improvement at all levels of government.

Both automated and manual processes are being developed which support these goals. There is a large challenge when the data being processed can be significantly different from provider to provider. This presentation will focus on these processes, interesting challenges and their solutions, the business case for DOTs and their local, state and federal partners.

Program Abstracts

Tuesday, May 5

Enterprise 2.0	Tuesday, 10:00 a.m. – 11:00 a.m. Ralph Menzano

Oracle's Executive Director of Transportation Ralph Menzano will present activities that are considered the next strategic wave of IT Department Projects collectively entitled Enterprise 2.0 -- E2O for short. In this presentation, Mr. Menzano will detail how the traditional IT efforts in integrating systems and indexing databases will serve organizations well as they begin to enter this new wave of systems. The presentation will provide definitions of E2O, describe its evolution, and show examples of organizations that have completed successful implementations. Furthermore, Mr. Menzano will suggest that this new strategic wave of systems projects will thrust IT departments into the precise center of their organizations.

Next Generation – Web 2.0 "The Social Web"	Tuesday, 11:00 a.m. – 12:00 p.m. Dave McComb

Over the last ten years the Web has been the single largest source of disruptive change to traditional IT. It has changed the expectations of our users, as well as the technology with which we build our solutions. It seems to occur randomly and at what was called "internet speed," making it very difficult to plan for.

When we look more closely, we see that much of the randomness is actually quite predictable, and that new paradigms on the web have a very long gestation. (Web 3.0 is nearly ten years old now.) It is possible to predict trends in this area and to prepare for the change.

In this talk we will do a short retrospective. What was the platform we now call Web 1.0, and how did it change the way we build systems? What is Web 2.0, the "social web," and how are its effects beginning to be felt in the world of IT? Finally we'll look at Web 3.0, the "semantic web," and the very profound differences it is likely to bring to the development of systems.

Transportation Bill Reauthorization – Data Impacts	Tuesday, 1:30 p.m. – 2:15 p.m. David R. Winter

Abstract not available

Records Management Strategies & Technology Demonstration	Tuesday, 2:15 p.m. – 3:00 p.m. Mike Bousliman and Rob J. Van Hooser

Against the backdrop of the new mantra of "accountability, transparency, and openness," this presentation will provide a status update concerning the Montana Department of Transportation's Information Governance and Records Management project.

In May, 2008, MDT began a comprehensive multi-functional assessment of its Records Management Program. The assessment addressed all departmental information, regardless of media, format, or location. This presentation will discuss:

- the methodology used to gather information and the benchmarks used to evaluate the exiting conditions at MDT;
- the development of a Desired State addressing legal and performance-based information retention and disposition requirements, leading practices, and the enabling technologies to support them;

- the determination of a Roadmap which establishes the recommended implementation activities for bridging identified gaps and achieving goals and objectives;

- on-going activities to implement effective, repeatable, and auditable policies, procedures, processes, and technology improvements to better allow MDT to provide the information needed to prove what was done, how it was done, and why it was done, in response to inquiries from regulators, judges, legislators, and the public.

Preparing for Windows 7 and Internet Explorer 8 in the Enterprise	Tuesday, 3:30 p.m. – 4:15 p.m. Julian Soh

Why do you need to care about upgrading your Windows desktop environment? Because there are specific benefits that enterprise customers can benefit from Windows 7. However, there are upgrade challenges because of the complexity of an enterprise environment. This session will provide CIO's and managers with an overview of Windows 7 features from a business perspective (example: security and manageability) as well as guidance on how to prepare for the migration/upgrade from Windows XP. This session will also introduce resources and tools that are designed to make the migration process go as smoothly as possible.

Transportation Knowledge Networks	Tuesday, 4:15 p.m. – 5:00 p.m.
	Leni Oman

Don't you wish you could access all transportation information resources easily and reliably? The AASHTO Standing Committee on Research has approved an authorization recommendation to establish a Transportation Knowledge Network to help that need become a reality. This presentation will provide information on what a Transportation Knowledge Network is, what AASHTO's authorization recommendation would provide if accepted, and what the AASHTO Research Advisory Committee Transportation Knowledge Network Task Force is doing to support development of a Transportation Knowledge Network today. As a key provider of data and the information technology that information delivery relies on, the AASHTO Information Systems (IS) Subcommittee is an important partner in this effort. This presentation is intended to help begin the dialogue and development of a common vision and activities in support of the Transportation Knowledge Network.

Program Abstracts

Digital Signatures for Authorizations and Approvals	Wednesday, 8:00 a.m. – 9:00 a.m. John Marchioni

Today's market conditions demand that engineering organizations do more with less to remain competitive. As a result, they continue to invest in streamlining and automating mission-critical processes; however, the majority of firms are not realizing the full benefits of the investment. An investment in automating and scaling a business process is not optimized until the approval process is also automated. During this session, you will learn how a digital signature enables an end-to-end electronic process across functions and applications, simply by leveraging your pre-existing document or content management applications. You will also gain a practical orientation to the operational benefits of digital signatures, such as: accelerating the approval cycle, enhancing quality and integrity, and lowering costs associated with content archiving, audits, regulatory compliance and disputes/legal challenges. Finally, you will be briefed on deployment examples and how digital signatures provide the necessary control over approvals to ensure compliance with industry best practices and regulations.

Best Practices in Enterprise wide SOA Initiatives	Wednesday, 9:00 a.m. – 10:00 a.m. Jeff Schulman

Implementing Service-Oriented Architecture (SOA) requires a comprehensive plan because of the large number of political, organizational and technical issues that must be tackled. This presentation addresses three areas which we believe are critical to that comprehensive plan: developing the foundation for the SOA backplane, employing "just enough" SOA governance and creating a SOA center of excellence."

Variable Tolling – Washington State's SR 167 HOT Lanes Pilot Project Toll Collection System	Wednesday, 10:30 a.m. – 11:30 a.m. Patty Rubstello

On May 3rd, 2008, Washington State DOT started operating the first High Occupancy Toll (HOT) lane in the state on SR 167. Through the use of electronic tolling and dynamic pricing, single occupant vehicles can now use the HOV lanes on SR 167. HOT lanes are being deployed across the country as a way to better utilize existing highway capacity more effectively while maintaining reliability for transit. This presentation will explain what a HOT lane is, how technology is key to their success and what we are learning on SR 167. The presentation will also touch on how this new way of managing traffic could be used on other highways in this state.

Invitation To AASHTO IS 2010	Wednesday, 11:30 a.m. – 12:00 p.m.

This is an opportunity for delegates from the next host state (yet to be determined) to present highlights of their city and state as well as provide some high-level information on the plans for next year's annual meeting and an official invitation to the state delegates.

GIS for Data Integration and Performance Management	Wednesday, 1:30 p.m. – 2:30 p.m. Terry Bills

One of the central IT problems for Departments of Transportation is the need to integrate disparate information into a framework that can be used for more effective decision making and performance measurement.

This presentation will focus on some of the emerging trends in data and systems integration, and how data from legacy systems can be brought together for use by managers and staff across the agency. Drawing on several DOT examples, the case will be made that GIS can be an integrative technology, which can greatly enrich existing work flows, and provide analytical capabilities which are only possible through spatial technologies.

In addition, GIS in combination with business intelligence (BI) delivers new ways to effectively track performance, and gives senior managers greater tools for implementing performance based management and tracking. A number of leading examples will be demonstrated, including infrastructure investment tracking.

Closing the Strategy to Execution Gap by Using Project Portfolio Management	Wednesday, 2:30 p.m. – 3:15 p.m. Gaylord Wahl

Unfortunately, many organizations are not achieving key business goals because they have difficulty converting strategic ideas into business outcomes. In many organizations, IT spend can be a significant portion of investment and corporate stakeholders are looking for higher value delivery. Project portfolio management can be a key strategy to align business and IT and help companies be more responsive to business drivers.

This presentation will show:

- How PPM encourages a discipline of strategic investing by both the business and IT.

- How PPM provides transparency and helps the organization focus on value delivery, realistic planning and execution.

- Why business and IT are often out of sync.

- How project portfolio management can be a key strategy to close the gap between strategy and execution, and

- How business and IT can evaluate risk and innovation.

There Are Clouds In Your Future	Wednesday, 3:30 p.m. – 4:15 p.m. Jeff Barr

Amazon technology strategist Jeff Barr will review one of 2009's most interesting and relevant topics – cloud computing.

Jeff will review the current state and future direction of this important technology from a technical and business point of view. You will learn why you will soon be procuring your compute time, storage, and bandwidth on a pay-as-you-go basis, reducing your need for up-front investment and increasing your ability to respond to changing requirements.

Implementing a Green IT Strategy Through Virtualization	Wednesday, 4:15 p.m. – 5:00 p.m. Doug Couto

Virtualization is a major priority for IT Executives in both the public and private sector. The reason is that virtualization technologies unleash the power of the data center optimizing performance while reducing costs from maintenance hours and hardware refresh cycles. This session will outline virtualization approaches for applications, desktops, and servers and look at actual case studies where virtualization reduced needed resources. In the end, you can implement a Green IT Strategy using virtualization because you also reduce electronic waste. The audience will have an opportunity to share your experiences with virtualization and Green IT--bring your ideas.

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Biographies

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AASHTO IS SUBCOMMITTEE BOARD MEMBERS

Kevin J. Thibault, P.E., Assistant Secretary
Engineering & Operations
Florida Department of Transportation

Chair, AASHTO Finance and Administration
Subcommittee on Information Systems

Kevin is a graduate of the University of Massachusetts. He is a registered Professional Engineer in Florida and Massachusetts. Kevin began work for the Florida DOT in 1993. In 1995, he was promoted to the Turnpike's Director of Production. In 2001, he was assigned oversight duties for Turnpike Planning, which included the Work Program Section. He left the Florida DOT in 2002 to become the Officer in Charge and Vice President of the HNTB Orlando Office. In his current position, he is responsible for the Design, Construction, Maintenance and Motor Carrier Compliance areas of the Department. He is also the Governor's Highway Safety Representative.

Professional Memberships:
- National Society of Professional Engineers
- Florida Engineering Society
- American Society of Civil Engineers

Judy B. Skeen, P.E., Director
Technology Services Division (TSD)
Texas Department of Transportation (TxDOT)

Vice Chair, AASHTO Finance and Administration
Subcommittee on Information Systems

Judy directs and manages microcomputer and mainframe information systems; engineering graphics, data and voice telecommunications; and photogrammetry and satellite surveying operations. She holds a B.S. degree in Civil Engineering from Texas Tech University and is a registered Professional Engineer in the State of Texas.

After earning her bachelor's degree in civil engineering from Texas Tech University in 1982, Judy joined TxDOT's Lubbock District in 1983 as an engineering assistant. In 1985 she transferred to the Automation Division in Austin, and held various technical and management positions in the Engineering Systems Section. Judy was Director of Engineering Systems from 1991 to 1993.

She chairs the TxDOT Information Resources Council (IRC) and supports TxDOT surveying activities in her role as sponsor of the TxDOT Standing Committee on Surveying (SCOS). Judy is the vice chair of the American Association of State Highway and Transportation

Officials (AASHTO) Subcommittee on Information Systems and a member of the AASHTO Special Committee on Joint Development where she serves as a liaison to the Survey Data Management System (SDMS) Task Force. She also currently serves as the president of the Highway Engineering Exchange Program (HEEP).

Judy was certified and registered as a professional engineer in 1988. She was awarded the TSD Hubert A. Henry Award in 1991 for contributions in support of automated technologies and the 1992 Luther B. DeBerry Award for outstanding contributions to Texas in the field of transportation. Judy was inducted into the Texas Tech University Civil Engineering Academy in 1994.

Paula Dawn Ewen, Director
Office of Information and Management Services
Federal Highway Administration (FHWA)

Secretary, AASHTO Finance and Administration
Subcommittee on Information Systems

Currently the Director of the Office of Information and Management Services, leading a multi-level staff (63 federal employees and over 250 contractors), which develops Agency-wide policies and provides support and assistance to Federal Highway Administrations' headquarters and field offices in matters relating to management, organizational development, administrative support services, facilities management, technology and information systems. Services nearly 4,000 people geographically dispersed across the country. Manage over $63 million budget for space, information technology and support services. Paula leads the Department of Transportation E-Government Committee and the FHWA E-Government and Competitive Sourcing initiatives.

Prior positions include:

- Director, Office of Resource Management for the Federal Highway Research Center
- Transportation Specialist for the Intelligent Transportation Systems program
- Division Chief and Special Assistant in the Office of the Secretary
- Program manager for the Executive Office of the President
- Manager in the private sector
- Intern with the Department of Defense

Education and Training:

- Master of Science in Public Administration, American University
- Bachelor of Art in Technology Management, University of Maryland
- American Association of State Highway and Transportation Officials Leadership Institute
- Federal Executive Institute
- Key Executive Leadership Program, American University

Jan M. Edwards, Project Director
American Association of State Highway and
Transportation Officials (AASHTO)

Liaison, AASHTO Finance and Administration
Subcommittee on Information Systems

Jan Edwards joined AASHTO in 1989, and is the Project Director responsible for the AASHTOWare® Cooperative Software Development technical service program. Jan also serves as the staff liaison to the Special Committee on Joint Development (SCOJD) and the Financial and Administrative Subcommittee on Information Systems. As the AASHTOWare Program Director, she oversees and directs AASHTO's largest technical service program, with a current annual budget of over $24 million, including supervision and management of assigned professional staff. She is responsible for the planning, execution, management and delivery software development and support services to the AASHTO member agencies in a variety of technical areas. The Cooperative Software Development technical service program is comprised of a number of committees, task forces and user groups that involve over 300 member volunteers, and numerous software development services contractors. The program provides support for software products in a number of transportation business areas including cost estimation, electronic bidding, contract and construction management, bid analysis, materials management, civil rights, bridge design, rating and management, pavement design, land surveying, right-of-way, and asset management.

Prior to coming to AASHTO, she was a structural and systems engineer with the Potomac Electric Power Company and worked on high voltage transmission line design and the commercial and real-time systems associated with residential energy use management programs.

Jan has a degree in Civil Engineering from the University of Maryland, and is a member of the Project Management Institute (PMI).

SPEAKER BIOGRAPHIES

Grant Rodeheaver, IT Director
Office of Information Technology
Washington State Department of Transportation (WSDOT)

Grant is responsible for managing all aspects of information technology for WSDOT. The Office of Information Technology provides the core technology tools needed to help WSDOT perform its mission. Currently, several key initiatives are underway including the largest technology modernization program in the department's history as well as the establishment of an Enterprise Architecture (EA) Program based on industry best practices. When complete, the EA Program will establish a framework for all WSDOT business system implementations. Grant is also a Board Member for the Washington State Information Processing Managers Association (IPMA) -- a non-profit organization that provides professional development and networking opportunities for the State of Washington's information technology community.

Paula J. Hammond, Secretary
Washington State Department of Transportation (WSDOT)

Paula reports to Governor Christine Gregoire and manages the Washington State Department of Transportation, an agency of 7,200 employees that operates, maintains and builds the state highways and also runs the Washington State Ferry system, the nation's largest. The leadership focus at WSDOT is on public accountability, project delivery, open communications with the public, and the quest for efficiency in the use of transportation facilities and in the
Agency's own business practices. Paula graduated from Oregon State University with a BS in Civil Engineering and is a Professional Engineer. In her 29 years with WSDOT, she has worked in all areas of the department's capital delivery, operations and policy programs.

Prior to taking this position, Paula served as Chief of Staff for the Department of Transportation since April 2001. She served as adjunct to the Secretary; providing day-to-day leadership and oversight of the agency's administration.

Boards and Associations:

- Transportation Improvement Board
- American Public Works Association
- National Research Council, Transportation Research Board's Committee on Citizen Involvement in Transportation
- Women's Transportation Seminar
- Soroptimist International of Olympia, Past President
- Pacific Education Institute

⬛ Inducted into OSU Engineering Academy of Distinguished Engineers

Paula's husband Alan is a Professional Land Surveyor. They have three children, Greg, Rachel, and Kerry.

Bill Ford, Assistant Secretary
Administrative Operations
Washington State Department of Transportation (WSDOT)

Bill has served as the Assistant Secretary for Administrative Operations for the Washington State Department of Transportation since July 2005. Previously, he was the Budget Director for WSDOT for seven years. Prior to joining WSDOT in 1997, Bill spent 27 years with the Washington State Patrol, 12 years as a trooper on Snoqualmie Pass, three years in WSP Research and Development, and 12 years as Patrol's Chief Financial Officer. He graduated from Central Washington University with a Bachelor of Arts degree and a Master of Science degree. He followed this up with a Master of Public Administration degree from the University of Southern California. Bill is also a Governor's Distinguished Manager Award recipient. He is responsible for the following WSDOT areas: Office of Information Technology, Accounting & Financial Services, Administrative Services, Internal Audit, Office of Human Resources, and the Enterprise Risk Management Office.

Veronica (Vonnie) Diseth, IT Deputy Director
Office of Information Technology
Washington State Department of Transportation (WSDOT)

Vonnie is responsible for the overall business operations of the Office of Information Technology (OIT) as well as the IT Communications, Customer Training, Strategic Planning, Policies and Standards, Portfolio Management, Performance Measurement, Invoice Processing, and Administrative Support functions of the IT organization. Vonnie has a Bachelor of Science degree in Business Administration as well as an Associate of Technical Arts degree in Computer Programming. She has been with WSDOT for 23 years. Vonnie started her career with WSDOT as a development programmer and rose through the ranks attaining progressively more responsible positions involving all aspects of IT. Vonnie is a participant in WSDOT's Senior Leadership Development and Succession Program.

**Elwood "Woody" G. Norris,
Inventor, Visionary, and Futurist**

Elwood "Woody" G. Norris won the 2005 $500,000 Lemelson-MIT Prize as Inventor of the Year. He holds 47 U.S. patents with more than 100 pending patents worldwide, Elwood "Woody" G. Norris is widely recognized as a prolific inventor and a talented technology integrator. His interest in electronics started at a young age, with a rigorous experimentation method of inventing that he continues to this day.

Woody Norris joined the U.S. Air Force in 1956 and was trained as a Nuclear Weapons Specialist, specializing in electronic fusing systems. He studied electronics at the University of New Mexico. After his honorable discharge in 1959, he began employment at the University of Washington where he continued his practical education, elevating his position from technician to Director of the Engineering Experiment Station for the campus within two years.

Upon conceiving his first commercial invention in 1970, Mr. Norris left the university and embarked on his entrepreneurial career. He invented a phonograph tone arm that initially was developed for a contest, and was later sold for $20,000. Many of Woody Norris's inventions are not just single product ideas; they shatter technology barriers creating multiple applications and a lasting impact. Among these technical breakthroughs, are:

- Developed and patented HyperSonic® Sound (HSS®) (U.S. Patent #5,889,870)—a revolutionary directional loudspeaker that focuses sound to a specific location. It also shapes the sound wave to fill only a predetermined area much as a spotlight narrows its beam. HSS® actually creates sound in the air. He has 11 additional issued patents relating to HSS® and 7 more pending. HSS® has been recognized by *Popular Science* as the "Best of What's New" in the General Technology Category, winning the Grand Award in 2002.

- Developed and patented Flashback®, the first digital recording technology (U.S. Patent #5,491,774) that allowed digital recording of information on non-volatile flash memory rather than tape. Flashback® was also recognized by *Popular Science* as one of the "Best of What's New" in the Audio & Video Category.

- Invented an ear-mounted speaker/microphone combination (U.S. Patent #5,280,524) that permits hands-free speaking and listening without the audio feedback. This invention is currently being sold by JABRA Corporation. He has 4 additional issued patents relating to this invention that are also owned by JABRA.

- Invented a Gas Tube RF Antenna (U.S. Patent #5,594,456) that can be called into existence and made to disappear at will. He has 2 additional issued patents relating to the Gas Tube Antenna.

- Developed and patented a Transcutaneous Doppler System (U.S. Patent #3,631,849) and has licensed the technology to Medical Development Corporation (later acquired by American Hospitals). Over time, this product was incorporated into today's sonogram device used by doctors and hospitals in imaging the human body.

- Developed and patented the Helicopter Propulsion and Control System (U.S. Patent #6,460,802) - a new generation, recreational flying vehicle. AirScooter® is a new kind of safe, single person helicopter designed for recreation. Remarkably, it does not require a pilot's license and can be mastered in one afternoon of training.

- In 2002, AirScooter® was recognized by *Popular Science* as one of the "Best of What's New" in the Aviation & Space Category.

- Invented and patented 20 other diverse product ideas and technological breakthroughs.

The inventions of Woody Norris have been the keystone for several new companies. In 1980, he founded American Technology Corporation (ATC) where he currently works as Chairman, as a means to promote his inventions. Today, ATC is publicly traded and is marketing HSS® products to customers around the world.

Stevan Gorcester, Executive Director
Washington State Transportation Improvement Board (TIB)

Steve has 28 years of experience in transportation finance, much of it working for city, county or state agencies. Since 2001 he has served as the Executive Director of the Washington State Transportation Improvement Board (TIB) where he has earned the reputation as a state leader in performance management. He now speaks nationally on government performance and achieving organizational goals. He emphasizes the RPM digital dashboard system developed in-house. In 2008, TIB received recognition for its innovation from the Council of State Governments and for public finance by the Government Finance Officers Association. GFOA awarded TIB its highest honor, the Award for Excellence in Government Finance. He is a graduate of the University of Washington.

Thelma Smith, Project Manager
Office of Information Technology
Washington State Department of Transportation (WSDOT)

Thelma has 29 years of experience in Information Technology, working for various Washington State agencies. She has attended Centralia College, South Puget Sound Community College and Evergreen State University working towards degrees in Computer Science and has been certified in various specialties of Information Technology. During that time, Thelma has served in all aspects of Information Technology from Network Administration for Washington State's first Local Area Network to IT Manager of a small agency. Thelma is a founder and past board member of the Olympia Chapter of PMI. Since the early 1980's, she has been a member of Washington State Information Processing Managers Association (IPMA). Currently she is using her unique experience in WSDOT's IT Communications and Strategic Planning

office, providing visual information to assist with strategic planning, process improvement and more insightful asset management through IT Portfolio Administration and the Dashboard Project.

Tami Griffin, GIS Project Manager
Geographic Information Services
Washington State Department of Transportation (WSDOT)

Tami is the GIS Project Manager in charge of the Washington Transportation Framework for GIS (WA-Trans). She is a Senior Project Manager for WSDOT and is known for running projects using "best practices". WSDOT's Washington Transportation Framework Project (WA-Trans) recently received national recognition for 'Best Practices' from the U.S. Geological Survey (USGS). She was the Y2K Client Server Project Manager for the WSDOT Office of Information Technology. She is formerly from the state of Montana. While there, she was a Senior Programmer Analyst for the Montana Department of Revenue. Tami has a BA in Speech Communication from Montana State University and completed all required coursework towards an MS in Computer Science at Montana State University.

Michael Leierer, Assistant GIS Project Manager and Technical Lead
Geographic Information Services
Washington State DOT (WSDOT)

Michael is the Assistant GIS Project Manager and Technical Lead for the Washington Transportation Framework for GIS (WA-Trans); Business Analyst and Team Lead contracted to the Washington State DOT (WSDOT) Information Technology Office and the WSDOT Materials Laboratory, responsible for business process remodeling, requirements specifications, application design and application development coordination for a statewide construction materials testing application; Contracted to Washington State agencies for various work to include: Y2K mitigation of client server applications at WSDOT, designed and built the WSDOT Unstable Slope Management System, designed and built the Post Traumatic Stress Disorder (PTSD) management application for the Department of Veterans Affairs (DVA).

Ralph Menzano, Executive Director
Oracle's North American Transportation Industry

Ralph was the former CIO/VP of Technology at:
- SEPTA - Philadelphia's Transit Agency
- Chase Bank, GM, St. Gobain

Chair APTA IT Committee
- AASHTO, AAMVA, AAPA, ACI, IBTTA Member

He is an Adjunct Professor at the University of Pennsylvania, a Board Member of Villanova University, and the Author of "Making IT Happen".

Dave McComb, President
Semantic Arts, Inc.

Dave is the President of Semantic Arts, Inc., a consulting firm that has done a considerable amount of work with various corporations and state agencies, primarily in the area of upgrading their Enterprise Architectures. Dave has been working with Semantic Technologies for over ten years. He co-produces and chairs the premier conference in the industry, the Semantic Technology Conference, and has four patents in the area of model-driven architectures. He is the author of Semantics in Business Systems and numerous magazine articles and white papers.

David R. Winter, P.E., Director
Office of Highway Policy Information,
Federal Highway Administration (FHWA).

In September 2008, David Winter became the Director of the Office of Highway Policy Information within the Office of Policy and Governmental Affairs. In this capacity, he is responsible for overseeing the staff responsible for collecting, analyzing, and reporting much of the data used for apportioning Highway Trust Funds; determining agency performance measures; and estimating current and future highway needs.

From July 2004 to September 2008, David served as the Chief of the Highway System Performance Division. In this capacity, he was responsible for overseeing the Division responsible for the Highway Performance Monitoring System or HPMS. The Division provides the official estimates of national traffic, as well as a number of the factors used for apportioning Federal funds. The Division is also extensively involved in preparing the annual *Highways Statistics* publication.

Prior to joining the Office of Highway Policy Information, Mr. Winter served as the program manager for the Highway Economic Requirement's – State version (HERS-ST) within the FHWA Office of Asset Management. As program manager, he was responsible for overseeing the development and enhance of the existing software. He is also involved in a number of geographic information system (GIS) and relational database initiatives within FHWA.

David began his career with the Nebraska Department of Roads in 1987. During his 13 years with the Department of Roads, he held numerous positions before becoming the Classification, Needs & Pavement Management Engineer in the Transportation Planning Division, a position that he held until he left the Department of Roads in 2001.

David graduated from the University of Nebraska, Lincoln in 1993 with a degree in Industrial Engineering and is a licensed engineer in Nebraska and Maryland.

Robert J. Van Hooser, J.D. Practice Director
Millican & Associates

Rob is an attorney with an extensive legal practice background who has pioneered the focus on Information Governance in bridging the gap between the legacy of paper records and the reality of today's electronic information. As a Practice Director at Millican & Associates, he provides advisory services with a focus on awareness of and control over organizational information, as well as management of records. Rob has comprehensive project management and consulting experience encompassing strategic planning; implementation of enabling technologies; and cultural change within organizations.

Julian Soh, Technology Strategist
Microsoft

Julian Soh is a Technology Strategist with Microsoft and covers the State and Local Government vertical for the Northwest United States. He works with government entities to understand the technology roadmap and help strategize the adoption of Information Technology to streamline business processes and services. Julian has many years of technical and management experience in the public, military, and education sectors. Prior to joining Microsoft, Julian served in leadership roles such as a Security and Audit Manager, Call Center Manager, e-Commerce Director, and Chief Information Officer. As a technologist, he served as a project manager, developer, architect, systems engineer, and network/voice engineer. Julian is a graduate of Washington State University (1995).

Leni Oman, Director
Office of Research and Library Services
Washington State DOT (WSDOT)

Leni has been employed by the State of Washington since 1989. In her current position, she is responsible for managing an innovative research program and library resources affecting all aspects of all modes of transportation in the state. She the Chair of the AASHTO Research Advisory Committee Region 4 and the Executive Director of the Washington State Transportation Center, a partnership of the University of Washington, Washington State University, and WSDOT. She is the Chair for the AASHTO RAC Task Force on Transportation Knowledge Management and a member of the RAC Task Groups on Funding and Collaboration and Coordination.

Leni serves as the Transportation Research Board (TRB) State Representative for WSDOT. Leni is a member of three Transportation Research Board Committees: Conduct of Research, Library and Information Science for Transportation, and the Data Section. She chairs the panel for the National Cooperative Highway Research Project titled *Implementing Transportation Knowledge Networks* (NCHRP 20-75).

Leni's career includes a diverse mix of fish health management, geographic information system application development, and water quality, spill response, watershed and flood management. She has been employed by: the Northwest Indian Fisheries Commission; the Washington Department of Wildlife; the Washington Department of Fish & Wildlife; and, with WSDOT as the Planning and Development Branch Manager responsible for environmental regulations, watershed management, environmental information management and environmental cost benefit analysis. Leni has a Bachelor of Arts degree emphasizing aquaculture studies from Goddard College and a Master of Science degree in Veterinary Sciences from the University of Idaho. Leni's thesis summarized her search for the causative agent of Strawberry Disease in Salmonids.

John Marchioni, Vice President
ARX Inc.

Mr. Marchioni has 25 years experience in the high-technology market related to large-scale systems-deployment projects. Prior to joining ARX, he held senior positions with companies engaged in R&D and implementation of data communications and information-security solutions including: Microsoft (NASDAQ:MSFT) and Burroughs (NYSE:UIS). John was appointed Visiting Scholar Associate for Informatics at UC Berkeley (2004-2006). He is a member of the Security Council of the Gerson Lehrman Group. He has been a panel speaker for NSF at workshops on Grid Computing and the Cyber

Infrastructure, and is a member of the advisory board of UCLA's Center for Embedded Network Sensing (CENS). John also served as Director of Technology Programs and Advisor to Gordon and Betty Moore Foundation of San Francisco (2002-2006).

Jeff Schulman, Managing Vice President
Gartner Research

Jeff Schulman is a group vice president and team manager in Gartner Research. In this position, he leads the application integration and Web Services team. Prior to joining Gartner, Mr. Schulman was vice president in the corporate technology office at Citicorp, where he assisted global development laboratories in strategic systems assessment, technology planning and implementation and system organization development.

Years of Experience
- 22 years with Gartner
- 29 years in IT industry

Professional Background
- Citibank, Vice President, 4 years
- American Express, Vice President, 8 years

Education
- B.A., City University of New York
- M.A., Business Policy, Columbia University

Patty Rubstello, P.E.
Tolling & Systems Development Engineer, Washington State DOT (WSDOT)

Patty is the Tolling and Systems Development Engineering Manager with the Integrated Tolling & Systems Management group. The department is embarking into a new era of managing our urban corridors with tolls and enhancing our systems with Active Traffic Management techniques. Patty provides leadership for the development and implementation of tolling and enhanced systems on projects like the SR 167 HOT Lanes Pilot Project and the Lake Washington Urban Partnership that looks to integrate technology, tolling, transit and telecommuting into an effective congestion management strategy. She also evaluates how these tools can be applied to other major projects in the

department. This is a challenging area that has gained national attention, and WSDOT is at the forefront.

Patty has been with WSDOT for over 19 years, starting in a construction office working on I-90 on Mercer Island. She moved up into design and has spent time in traffic design and operations. Her last position had her as the Traffic Engineer for the I-405 Corridor Program. Patty received her professional engineering license through her work at WSDOT.

Terry Bills, Transportation Industry Manager
ESRI

Terry Bills is the Transportation Industry Manager at ESRI and is responsible for all modal transportation segments worldwide. He has over 20 years experience in transportation planning and policy, information technology and GIS. Terry has worked for government agencies (as a Principal Planner for the Southern California Association of Governments), and for private consulting firms (as President of GIS/Trans, a transportation GIS consulting firm) throughout his career. Terry was a Doctoral Candidate at UCLA, where he was also awarded two Masters' degrees. He is a Member of the American Institute of Certified Planners (AICP), and a Member of several Transportation Research Board Committees.

Gaylord Wahl, Point B

Gaylord Wahl is Point B's Practice Leader in the area of Project Portfolio Management and PMOs. He focuses his business and management consulting efforts across the firm helping companies navigate current economic challenges. He has skills in business strategy, finance, program management, and management of technology organizations.

He has successfully led numerous projects over his twenty-seven year career including those in project portfolio management, PMO development, business planning, strategic partnerships, business process improvement, IT system development, and technical product development. His efforts have benefited both public and private sector clients in a variety of different industries.

Gaylord has been a guest lecturer at MBA schools, a PMI presenter, and has moderated panel discussions pertaining to the financial planning and management of IT. Gaylord also facilitates executive roundtable discussions on project portfolio management and PMOs.

Prior to Point B, Gaylord was an independent consultant, held director positions at Getty Images, and held various technical management positions at Hewlett-Packard. He has a BS in Electrical Engineering from the University of Minnesota and has completed graduate studies

in Computer Engineering at Stanford University. He currently resides just north of Seattle and enjoys family, friends, athletics, and guitar.

Jeff Barr, Senior Cloud Computing Strategist
Amazon

Jeff Barr is a long-time member of the Amazon Web Services team, where he holds the position of Senior Manager of Cloud Computing Solutions. In this role, Jeff watches large-scale industry and customer trends within the cloud computing space, seeking to understand the current state and future direction of the industry. Jeff joined Amazon in July of 2002 and has also held the positions of Senior Software Developer and Senior Web Services Evangelist.

Barr has a longstanding interest in Web services and programmatic information interchange. He has held development and management positions at Microsoft, KnowNow, eByz, and Akopia and was a co-founder of Visix Software. He earned his bachelor's degree in computer science from American University and performed graduate work in computer science at George Washington University.

C. Douglass (Doug) Couto, Director
Transportation State and Local Government Team
Citrix Systems, Inc.

Doug joined the Citrix state and local government team as Director of Transportation. He is responsible for helping state and local government IT leaders make solid IT investments to improve desktop performance and software responsiveness. He represents Citrix with industry groups and helps form public private partnerships. He is a member of the National Association of State CIO's Corporate Leadership Council and the 2009 Program Committee. Doug has more than 35 years in the public sector that includes the US Air Force, State of Iowa, and the State of Michigan. Computerworld named him a Premier 100 IT Executive in 2005. He also chairs the Transportation Research Board's Information Systems and Technology Committee. He has a bachelor's degree in Business Administration from the University of Iowa, and master's degrees in Public Administration and Business Administration from The George Washington University. He recently published articles titled:

- "Take the Virtual Road to the Super-Datacenter," *Traffic Technology Today* (http://www.traffictechnologytoday.com/industry-blogs.php?BlogID=163)

- "Virtualization and Transit: IT that improves operations and strengthens customer service," *Mass Transit Magazine*, March 2009 (http://tinyurl.com/d36j7q)

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About Seattle

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1. **Fish Club**
   2100 Alaskan Way
   (0 miles away)

2. **Anthony's Pier 66-Bell
   Street Diner**:
   2201 Alaskan Way
   (.07 miles away)

3. **Etta's Seafood**:
   2020 Western Ave
   (0.12 miles away)

4. **Cutters Bayhouse**:
   2201 Western Ave #100
   (.13 miles away)

5. **Cellars' Lounge &
   Restaurant**:
   2132 1st Ave (.13 miles away)

6. **Taco Del Mar**:
    2136 1st Ave (.17 miles away)

⭐ Seattle Marriott Waterfront

7. **Queen City Grill**:   2201 1st Ave #1 (.18 miles away)

8. **Frontier Room**: 2203 1st Ave (.18 miles away)

9. **Turkish Delight**:   1930 Pike Place (.18 miles away)

10. **Ohana's**: 2207 1st Ave (.18 miles away)
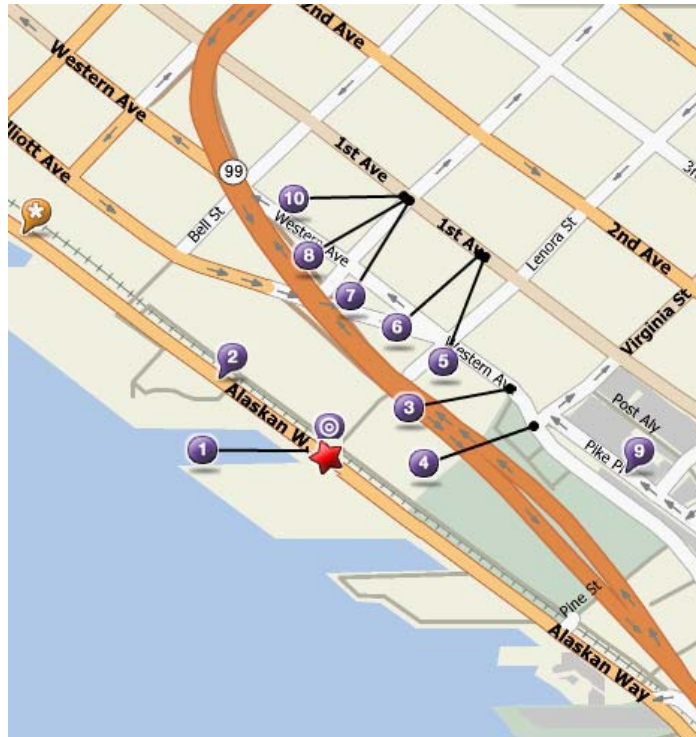
There are many other local restaurants in the area, including:

- **Ivars:** 1001 Alaskan Way (South, .58 miles away)

- **Old Spaghetti Factory:** 2801 Elliott Ave (.63 miles away)
  Corner of Clay Street & Elliott Ave   (North 8 blocks and 1-block East)

- **The Crab Pot:** 1301 Alaskan Way (South, .45 miles away)

- **The Seattle Space Needle:** 400 Broad St. (.96 miles away)

For More Information, please see the Marriott's concierge's desk.

- **Within walking distance**

  - **The Pike Place Market** http://www.pikeplacemarket.org
    Located at: 1531 Western Avenue
    The *heart and soul* of Seattle; the Market's traditions, fresh local food and products offer a truly unique shopping experience.

  - **The Seattle Aquarium** www.seattleaquarium.org
    Located at: 1483 Alaskan Way Seattle
    Phone: (206) 386-4300
   *See, touch and experience the sites of an underwater world, features Washington's Puget Sound native sea life.*

- **Within a short drive, bus ride or long walk**

  - **The Seattle Center and Space Needle** www.seattlecenter.com
    Located at - Harrison St./5th Avenue and Denny Way (74 Acre Seattle Center Campus).
    The original grounds of the Seattle's Worlds Fair have been transformed into a center for arts and culture; home of the famous Seattle Space Needle. Ride to the top of the Needle for a breathtaking, 360° view of the city.

  - **The Experience Music Project**
    & Science Fiction Museum http://www.empsfm.org
    Located at: At the Seattle Center, 325 5th Ave. N.
    Phone: 1-877-EMPSFM1

    Experience Music Project (EMP) is dedicated to the exploration of creativity and innovation in popular music. A blend of interpretative, interactive exhibitions with cutting-edge technology, EMP captures and reflects the essence of rock 'n' roll, its roots in jazz, soul, gospel, country and the blues, as well as rock's influence on hip-hop, punk and other recent genres.

    The Science Fiction Museum and Hall of Fame (SFM) is the world's first museum devoted to the thought-provoking ideas and experiences of science fiction. SFM's exhibitions promote awareness and appreciation of science fiction literature and media while encouraging visitors to envision new futures for humanity.
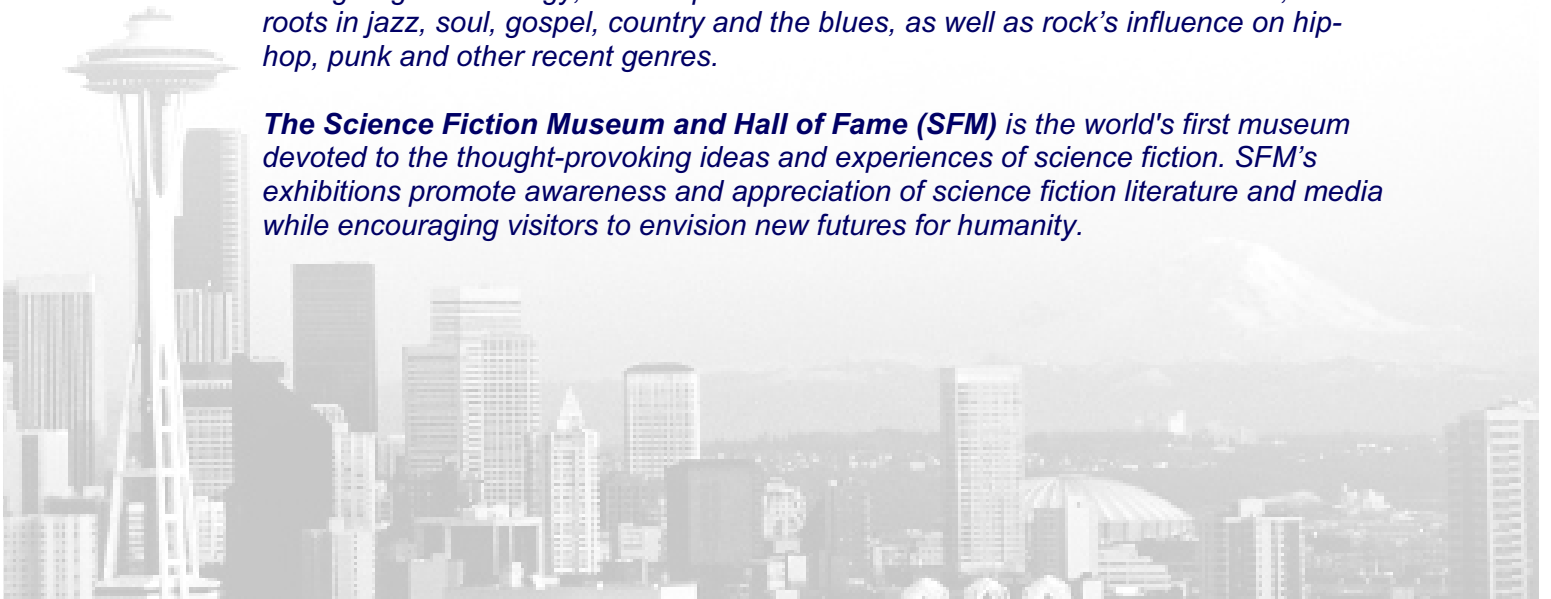
- **Seattle Art Museum** www.seattleartemuseum.org
  Located at: 1300 First Avenue
  Phone: (206) 654-3137
  From its early 20th-century roots as the Seattle Fine Arts Society to its growth into an internationally renowned museum with three distinct venues, explore how the Seattle Art Museum evolved into a vital Seattle institution.

- **Museum of Flight** http://www.museumofflight.org
  Located at: 9404 East Marginal Way S.
  Phone: (206) 764-5720
  The independent, non-profit Museum of Flight is one of the largest air and space museums in the world.

- **Ride a Washington State Ferry** http://www.wsdot.wa.gov/ferries *Washington State Ferries is the largest ferry system in the nation. There are 10 ferry routes with nearly 500 sailings per day. A wonderful way to see and enjoy the sights of Puget Sound.*

For More Information

Please stop by the Marriott's concierge's desk (1st Floor / Lobby Level) or visit the following websites for more information:

- Seattle's Convention & Visitors Bureau www.visitseattle.org
  Phone: 1-866-732-2695
- Washington State Tourism Office www.experiencewa.com
- Seattle Government www.seattle.gov/html/visitor/tips.htm

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Seattle
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SEATTLE CENTER

Space Needle

Experience Music Project

To Woodland Park Zoo

Roy St
Mercer St
Republican St
Harrison St
W Republican St
W Harrison St
W Thomas St
John St
Thomas St
John St
Denny Way

1st Ave N
Queen Anne Ave N
2nd Ave N
5th Ave N
Taylor Ave N
6th Ave N
Aurora Ave N
Dexter Ave N
8th Ave N
9th Ave N
Westlake Ave N
Terry Ave N
Boren Ave N
Fairview Ave N
Minor Ave N

Elliott Avenue

OLYMPIC SCULPTURE PARK

Pier 70
Pier 69
Pier 67

Bell Harbor International Conference Center

Pier 66/Bell St. Cruise Terminal

Pier 62 & 63

Seattle Aquarium
Pier 59
Waterfront Park
Pier 57
Pier 56
Pier 55
Pier 54

Pier 52

WA State Ferries

Pier 48

Elliott Bay

N
W   E
S

Tilikum Place
Broad St
Clay St
Cedar St
Vine St
Wall St
Battery St
Bell St
Blanchard St
Lenora St
Western Ave
Alaskan Way
Regrade Park
Steinbrueck Park

PIKE PLACE MARKET

8th Ave
7th Ave
6th Ave
5th Ave
4th Ave
3rd Ave
2nd Ave
1st Ave

Virginia St
Stewart St
Olive Way
McGraw Square
Pine St
Pike St
Union St
University St
Seneca St
Spring St
Madison St
Marion St
Columbia St
Post Alley

Terry Ave
9th Ave
Minor Ave
Howell St
Bus Terminal

Convention Center & Seattle Visitor Center
Westlake Park
Boren-Pike-Pine Park
Freeway Park

LIBRARY

Broadway Ave
Boylston Ave
Summit Ave
Minor Ave
Boren Ave
Terry Ave
9th Ave
8th Ave
7th Ave
6th Ave
5th Ave
4th Ave

Cherry St
James St
Alder St

Jefferson St
Terrace
Yesler Way

City Hall Park
Pioneer Square Park
Occidental Square

PIONEER SQUARE

King St. Station AMTRAK

Qwest Field (football)

Seahawks Exhibition Center

Safeco Field (baseball)

1st Ave S
Occidental Ave S
2nd Ave S
3rd Ave S

Kobe Terrace Park
Hing Hay Park

CHINATOWN–INTERNATIONAL DISTRICT
International Children's Park

S Washington St
S Main St
S Jackson St
S King St
S Weller St
S Lane St
S Dearborn St
Royal Brougham Wy

Maynard Ave S
7th Ave S

Pier 30 Cruise Terminal
¾ mi / 1 km

Legend

- – – – – – – – Free Ride Area
- ———— Monorail Route
- ▼·······▲ South Lake Union Streetcar
- ■ – – – ■ Bus Tunnel & Stops
- ●————● Waterfront Streetcar Route

Pike Place Market to Qwest Event Center—1 mi / 1.6 km
Pike Place Market to Space Needle—1 mi / 1.6 km
Pike Place Market to Convention Center—½ mi / 800 m

■ Major Attractions
■ Parks

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Notes

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2009

May
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

June
S	M	T	W	T	F	S
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21	22	23	24	25	26	27
28	29	30				

July
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12	13	14	15	16	17	18
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26	27	28	29	30	31	

August
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23	24	25	26	27	28	29

September
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October
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November
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December
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2010

January
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17	18	19	20	21	22	23
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February
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March
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April
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May
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June
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July
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

August
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September
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October
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24	25	26	27	28	29	30

November
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December
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
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*Thank you
for attending*

AASHTO-IS 2009!