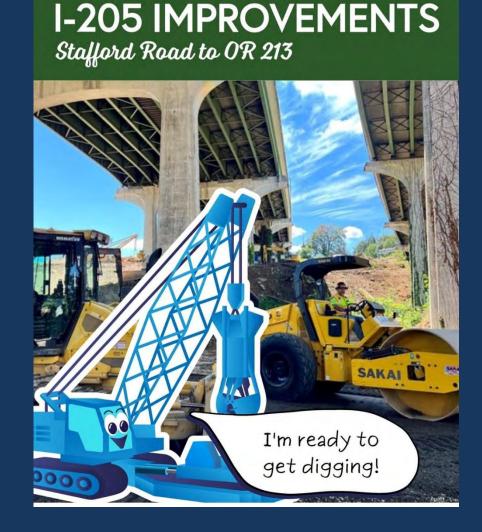
2023 – ODOT Construction Update

Justin Moderie, P.E., G.E.
State Construction and
Materials Engineer





The HISTOMAP

FOUR THOUSAND YEARS OF WORLD HISTORY

RELATIVE POWER OF CONTEMPORARY STATES, NATIONS AND EMPIRES

B. C.		Mediterranean People			ic People Alpine and Proto	-Nordic People	Mongolian	People	B. C.
2000	AEGEANS	EGYPT		HITTITES	AMORITES IRANIANS	INDIANS	HUNS C	HINESE	2000
1950	Mediterranean Angeans or see going Cretains of the First Middle Minoan Period	Egyptians have by this time developed agriculture, ship-buil Tweltth Dynasty. Second or Middle Egypt into a strong feudal State under the Theban Kings.	ion Desired	Acation of Egypt Inmites ton	Hammurabi (sixth king of dynasty) (mulates code of laws, foreshadowing for standards of probably of same Ar		The oldest di historical pro	ne a small empire veided into nine pences under the autocratic rain of one emperor	1950
1900	bare developed a culture ander Egypton influence and built monumental city at Chossies, political and commercial capital, trading with Egypt and Battylonia	Sessitis I conquers Nubia. Egyptian culture at zenith; Americanial II. Classical art and architecture. D	ums and canals constructed and la	nd reclaimed by Alpine Abraham leaves	t of Western world. Frote-Nordic stock as it ionian Kingdom the Amorites. Ur, city of Chaldes, and Print Stock and it in the Stock as	of the present cipal Hindus, invade	the civilisations	the period of the Ma or Hsia Dynasty	1900
1850	Second Middle Minoan Period Bronces, potterly and tiles in archaic style Hieroglyphic records on clay tablets as yet undeciphere	foreign conquests. Syria plundered. Sesostr	is III. Period of wealth,	of the present Babylo	Onians These tribes probably the horse to Asia Min Mesopotamia, and ha other inhabitants of and arrows as chief wi	or and primitive	to continuous	Empeters Yu and Stiung-Kang Ancient records are unreliable and	1850
1800	Cretains the feeding see power of the Me	Worship of sun-god Ra. Prosper Reservoir of Lake Moeris con Amecembet IV built temple to	structed at Fayure.	establish Ringdom. Akkadian cultures of U In Anatolia. Nippur, including the cureifor on of	Ir, Eridhu and / IRANIANS	Oravidians. These early Aryans Mon	MONGOLI.	ANS Accession of	1800
1750	Third Middle Minoan Sengtuous palaces built of Phoesius of Bull-ring sports at Coossus possibly a	d trailie. XIIIIth Dynasty, a period of internal	Sumerum cum on tablets, using an Indo-European language.	Kassite Dynasty Kassite or Silve Dynasty established by Iranian Kassites.	shaped on a potters' wheel. Their civilination probably antedates that of both the Sumerians and the Egyptians.	a tribal	ntral Asia;	ericoment of military strength he great drought.	1750
1700	Table of the Minotaur Pulychipme politicasus destroyed, possibly by earthqual Temporary diminution	Semilic Nomads (Bedouin) who rule	Worship of the	abylon is now the Holy City of Western Asia, where Islan and Marduk are worshipped. Priests all-powerful. Astrology developed.	Remains of this ancient culture recently discovered at Susa (Elam) and Anau (Turkestan)	and practiced agriculture.	Super Tartare	Rebellion under Tang ind of His Dynasty	1700
1650		Graduction of horses. Military resources developed Grig Khian who levied heavy tribute of corn from	History of Hittites largely unknown.	Decline in art shown by pottery and seals. AMORITES	Unites-Gal, Elamite King, noted for building palaces.	INDIANS (Hindus)	Tungusi; Yu-chi; Niu-chi, etc.	Shang Dynasty Emperor Chang-Tang	1650
1600	and rapid advance at civilisation to most brimant period of Minoan culture brought to light by excessions of Six Author	Archaic period in art. XVIIIIth Dynasty. Hykson expelled by	ony at Khatts, the present Boghaz. Imposing palaces	Sensitic algebrated in use on clay tablets. Temple to the Moon-God "Sin" built at Ur.	Elamites Elamites press into India on search of gold and copper.	in the Puriph.	HUNS Chinese records indicate that the	Tai Chia Period described	1600
1000	Cnossus again destroyed.	Abmose I with air of	and temples.	Asser an independent city.	Excavations at Susa indicate	of Indra	ungusi nomads wer	ie the	

The HISTOMAP

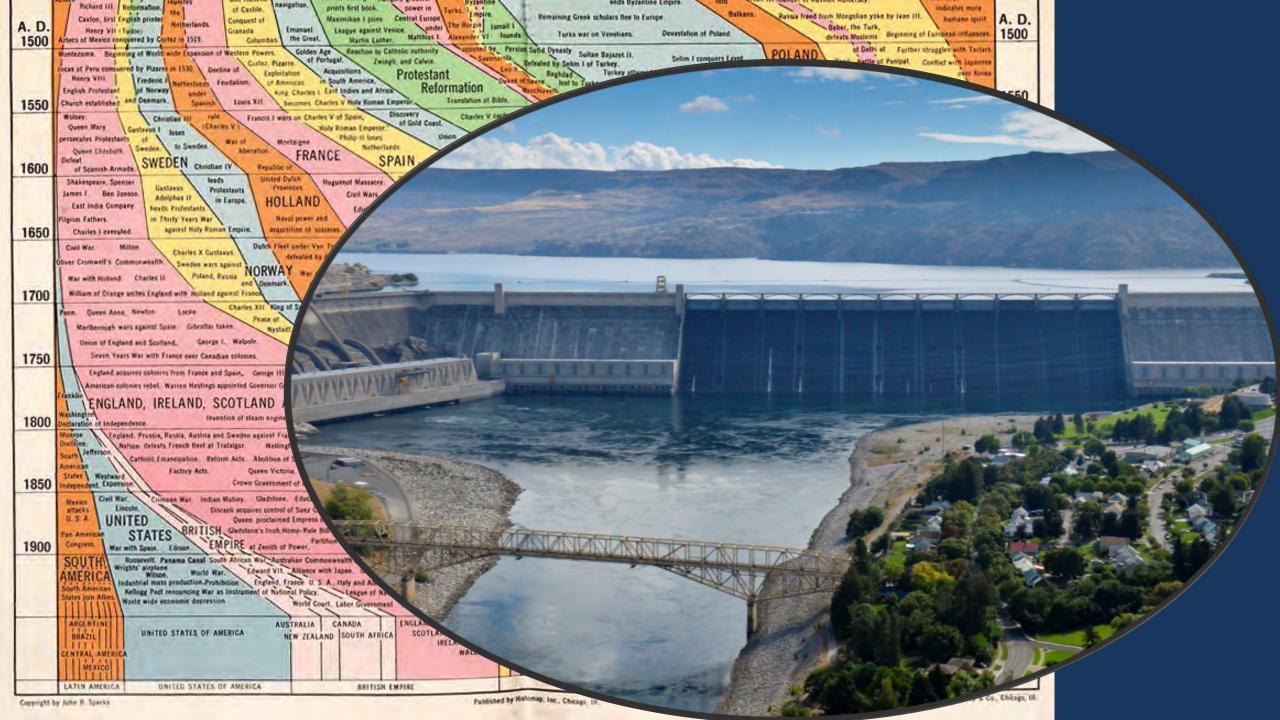
FOUR THOUSAND YEARS OF WORLD HISTORY
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B. C. 2000	AEGEANS	EGYP	TIANS	HITTITES	AMORITES IP				
1950	Modiferranean Anguens or sea-going Cretains of the First Middle Minoan Period	Explains have by this time developed agriculture, ship by Tweltth Dynasty. Second or Middle Egyp into a strong feudal State under the Theban Kings.	tion Davied	unideation of Egypt (stropes) to	Hammurabi (sixth king of dynast provalates code of foreshadowin later standard				
1900	have developed a culture ander Egyptian influence and built momental only at Conseen, political and commercial capital, trading with Egypt and Ballylonia	Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms. Sesostris I conquers Nutria. Egyptian culture at zenith; finest and most perfect art forms.							
1850	Second Middle Minoan Period Foreign conquests. Syria plundered. Sesostris III. Period of wealth. EGYPTIANS Foreign conquests. Syria plundered. Sesostris III. Period of wealth. EGYPTIANS The Amorites and other links. The Amorites and other links. The Amorites and other links. The Amorites and other links.								
1800	Cretains the leading sea power of the N	Cretans the leading sea power of the Mediferranean. AEGEANS Worship of sun-god Ra. Prosperity under Amenembet III. Reservoir of Lake Meeris constructed at Fayum. In Anatolia. Nippur, including the cureiform writing. Early of a fine.							
1750	Third Middle Minoal Sengtious palaces byth of Plansius of Bull-ring sports at Consus possibly	XIIIIth Dynasty, a period of internal	/	Kassite Dynasty Kassite or IIIrd Dynasty established by Iranian Kassites.	shaped on a potier. Their civilization probably anticiates that of high the Sumerians and the Egyptians.	Typica .			
1700	Eable of the Minoteur. Polychrome pol Coccasus destroyed, possibly by earthqui Temporary diminution		Worship of the Great Earth Mother	Bebylon is now the Holy City of Western Asia, where lister and Marduk ere worshipped. Priests all-powerful. Astrology developed.	Remains of this ancient culture recently discovered at Susa (Elam) and Anau (Turkestan)	Government, and practiced agriculture.	Mune: Tartare: L	Sion under Tang I His Dynasty	1700
1650	under	infroduction of horses. Military resources developed King Khian who levied heavy fribute of corn from	History of Hittites largely unknown.	Decline in art above by pottery and seals. AMORITES	Unter-Gal, Elamite King, noted for building palaces.	INDIANS (Hindus)	Yu-chi;	Shang Shang lynasty Emperor Chang-Tang	1650
1600	and rapid advance of civilination to most british period of Minoan culture brought to light by recavations of Sir Arts	vastal states and left many monuments. Archaic period in art. XVIIIIth Dynasty. Hyksos expelled by	Gly at Khatts, the present Boghaz.	Semitic alphabet in use on clay tablets. Temple to the Moon-God "Sin" built at Ur.	Elamites Elamites press into India on search of gold and copper.	Indian buildings in the Purijab. Worship	HUNS Chinese records indicate that the	Tai Chia. Period described	1600
1000	Cnoosus again destroyed.		and temples.	Annu se lederendent rity.	Excavations at Susa indicate	of ladra	Tungusi nomads were	10 154	

350	ROMANS Demostheres (statesman and grater). Philip of Macedonia defeats Greek States and unities them against the Persions. Proceedings Period of crime and disorder, deleased	350
300	Rome plandered Aristotle classifies facts as knowledge Darius III defeated by Alexander at Alexander establishes the Macedonian Empire including Persian Empire. Alexander establishes the Macedonian Empire including Persian Empire. Alexander establishes the Macedonian Empire including Persian Empire. Camilles. Samilte War. Camilles. Sam	300
250	Gotts Combin	250
200	Tendenic tribes. Treaty with Certhaginians who later annex Sardinia, so causing maintains earth moves around sun, second Punic War. Fabius dictator, Development of rational explanation Tendent with Certhaginians and Punic War. Fabius dictator, Development of rational explanation Reserved. Another tribes around sun, second Punic War. Fabius dictator, Development of rational explanation Reserved. Reserved	200
150	Sopio defeats Hamibal allied with Greeks at Battle of Zams Goal General Band Band Band Band Band Band Band Band	150
100	Roman Ramen Imperialism developed Calts Roman Empire Third Funits Run. Roman Mashars at the Western World. The Gracch attempt to alleviate the condition of the people. Eight Roman Provinces Governed by Practices of Processing Scythian Sakas. (Milling Control of the people of Calts and Subscitture Control with Ractical Partitions. Fireface of Roman Provinces Governed by Practices of Processing Scythian Sakas. (Milling Scythia	100
50	Short seried of crime and violence. Correspond in Serial Dynamics in Serial Serial Dynamics	50
A. D	Julius Caesar merdered. Second Triumvirtate of Antony, Octavian and Lepidus. Antony defeated at battle of Actium by Octavian. Suicide of Antony and Circopatra. Orodes 1. Indio-Parthian Goedopharmes. Augustus Caesar reorganises home and provincial administration. Builth of Ierus of Nazareth (B.C. 4) Period of best Woman liberature. Wirgh, Hersee, and Livy, historians. Mithraism fully developed. Suicide of Antony and Circopatra. Orodes 1. Beginning of Visianae are provinces under the Period of best Woman liberature. Wirgh, Hersee, and Livy, historians.	A. D.
50	migrate wist JESUS Of NAZARETI Tiberius rules wisters "Pax Romana" Roman Empire at Zenith of Power, driving out The Cellie tribes Claudius made Emperor by Roman Army, Traditional founding of the Christian Church by Saint Pyles, A.D. 42, Kingdom of Powles Council at Kashmir, Council at Kashmir	50
100	Teutonic Nero. Some reduction of Grecian pattern by Nero after Kire St. Paul establishes and control of Grecian pattern by Nero after Kire St. Paul establishes and Gestruction of Caristians. Marityroum of Sant Peter. Psing, historian King Osroes of Last traces of Helianistic rule. Generally and Carifold St. Caristians. Primarian Confidence of Caristians. Trajan restores power of Senate, Jeographian administration and beautifies Rome.	100
150	Rine-Darube wall constructed to protect Roman Empire at its greatest extent: Roman Empire at its greatest extent	150
20	Ostro-goths and Visi-goths Great Plague Great Plague Sassanian Septimos Severus becomes absolute monarch with support of Army and destroys power of the Senale. Cultured anstocratic groups rule wisely and magnificently ever a brilliant cosmopolitan cuclissation embodying Roman, Hellenistic and Oriental cultures. Sassanian Bodhisatta Ideas developed. Huns FERSIANS	200
25	TEUTONS Conscille. ROMANS Plotinus Origin. Softwares Conscille. Roman Special Conscille. Ro	250
300	but are deleated by Emperor Claudius at Risch, Agrekan re-establishes temporary earth Discretan aring Massislan Courth of Mithraism in Rome. Courth of Mithraism in Rome. Sapor 1 Rise of Guptas. Gupta Dynasty (Hindus) Agrekan re-establishes temporary earth Outpetan aring Massislan Courth of Mithraism in Rome. Courth of Mithraism in Rome. (Manichaelism) Sapor 1 Rise of Guptas. Gupta Dynasty driven West by driven West by prolonged wars Three Kingdom Period	300
	Ostro-Goths and Visi-Goths Constanting the Great restores authority of the Senate and Variabree I, II and III. Golden Age of Hinduism. True Indian Art. Western Tsim Dynasty. Temporary admission of women	



A. D.	Sichard III. Reformation. The Castor, lirst English prints first book. Castor, lirst English prints Castor, lirst English prints Maximikan I joins Conquest of Grands Emanuel Ema	A. D. 1500
1500	Montezuma. Beginning of World wide Expansion of Western Fowers. Golden Age Seachion to Catholic nuthonly opposed by Persian Serial Dynasty Sultan Bajazet II.	
	Incas of Peru concurred by Pizares in 1500 Decine of Captains Acquisitions Acquisitions Protestant Dukey attains height of glory under Serve November 1 American in South Amer	
1550	English Protestant of Norway ander Louis XII. Secones Charles I State Khan Land Louis XII. Secones Charles I Holy Roman Emperor Attan Khan. Charles I State Charles I State Charles I Holy Roman Emperor Attan Khan. Charles I Holy Roman Emperor Attan Emper	1550
1000	Water: Christian III raid Francis I wars on Charles V of Spain, Discretry Charles V explores Spain Manual Single of Vienna abandoned. Was with Austria cherted the Francis X aver introduces I make the Christian V Francis X aver introduces I make the Christian V Charles V in Spain. Output Many Contents I loose the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make the Christian V I francis X aver introduces I make	
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1600	of Scanish Armada SWEDEN Caristian IV Republic of SPAIN Inquisition Spain. Profestant Union against Clement VIII. with Venetians, Spaniands, etc. Swedish King	1600
	Shaketpeare, Spenser Gardieves Processors Gardieves Processors Gardieves Processors Gardieves Gard	
	East India Company. heads Protestants Decise of protestants Decise	1050
1650	Charles I executed Against Holy Forman Empire. Acquisition of colonies. Administration of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles of Nichelles Of Industrious Moors Decline Peace of Westerballs Charles Of Industrious Moors Decline Peace of Industrious Moors Decline Peace of Industrious Moors Decline Peace of Industrial Indust	1650
	Oliver Cromwell's Commonwealth Species A Gustavus Charles X Gustavus	
	War with Holland Charles II Poland, Passas and Denmark, and Seeters. Notherlands and Course Shah Safe. Mars agreed Authors Shah Safe. Mars agreed Authors Shah Safe. Mars agreed Seeters. Notherlands and Course Standard Seeters.	1700
1700	From Cases Asse Newton Locks Charles XII King of Sweden, defeats Russians at Narva, then defeats Saxons and Poles, but in Snally beaten by Peter the Creat of Kussia, at Pullows. Treaty of Karlesty Warring of Sweden, defeats Russians at Narva, then defeats Saxons and Poles, but in Snally Department of Saxons and Poles, but in Snally Department of Saxons and Poles, but in Snally Dynasty	
	Martherough wars against Spain Gebratter taken Nystatt DENMARK Brilliant period of French Education of Spain with enther Property Abbes II. marks end of Spaces with address Congress C	
1750	Claim of England and Scotland. Ceorge I. Walpole. Connelle, La reculture, Maries Will Marie Bassin. Seven Years Was with France over Canadian colonies. Charles VI. Therest Persis under Connelle. La reculture, Molece. Cornelle, La reculture, Molece. Cor	1750
1130	England acquires colonies from France and Spain. George III. Putt. Culture Holland France alled with American Colonies France Am	
	American colonies retel. Warren Hastings appointed Governor General of Tedds Franklin ENGLAND, IRELAND, SCOTLAND AND WALES under Vision Conquest of Central Asia. ENGLAND, IRELAND, SCOTLAND AND WALES (Impered National Conference of Processing Conference of Processing Conference of Processing Australian Conquest of Central Asia. ENGLAND, IRELAND, SCOTLAND AND WALES (Impered National Conference of Processing Conference of Processing Conference of Processing Conference of Processing Conference of Confe	2000
1800	Washington Invention of steam cognie by James Watt. Frederic V. Execution of Louis XVI and Marie Antoinette. Robespierre Steam Control of Independence. Independence September 10 September	1800
	Monroe Ingland, Prustia, Rustia and Sweden against France after duty Spain, Prustians, Rustia and Sweden against France after against France after a Spain, Prustians, Rustia and Angular Spain, Prustians, Rustians, Rusti	
	Carbonic Enuncipation Reform Acts. Abolition of Stavery in Empire Integral on Command on	1000
1850	Independent Expansion Crown Covernment of India. Lindson Marine Parliage Restaut Indian Marine Parliage Parliage	1850
	STEARS Lincoln Distracts acquires control of Succ Canal Control of Successful Control of	
1000	Pas American STATES BRITISH Chatstone's Inch Home- Fall Bill defeated North Security Commune in Fall's Allone XIII (moire . William : France Joseph / Folio Allone C. Serbia, Rouman's and Manteregra independent / Wall with Japan.	1900
1900	SOUTH Recover Canal South African War Australian Commonwealth constituted and Spann France Regular South African War Australian Commonwealth constituted and Spann France Regular Spann France Regular Spann France Regular Re	
	South America Industrial mass production-Prohibition Constantial mas	
	ARGENTINE UNITED STATES OF AMERICA NEW ZEALAND SOUTH AFRICA SCOTLAND DENMARK PORTUGAL SERMANY HUNGARY SOUTH AFRICA SCOTLAND DENMARK SCOTLAND DENMARK SCOTLAND DENMARK	
	CENTRAL AMERICA WALES HOLLAND CZECHOSLOVAKIA LITHUANIA	1
	LATIN AMERICA UNITED STATES OF AMERICA BRITISH EMPIRE CONTINENTAL EUROPEAN POWERS U. S. S. R. ASIATIC PUWERS	
	Control Virtue Software Control Statement Control Cont	VADAGE III.



Staffing





Community Benefit Contracts (CBCs)

- Apprenticeship goals by trade and subgoals
- Goals and aspirational targets for economically distressed zip codes, and BIPOC and women workers
- Dispatch protocols to support goals/targets
- Respectful worksites training
- Responsible contractor
- Trust fund payments tied to quality healthcare
 & pension benefits

Projects Planned for CBCs

Project Labor Agreements

Newberg Dundee Project

Community
Workforce
Agreement Pilot
Program

8 Pilot Projects

Community Benefit Agreements

Interstate Bridge Portland Harbor



Build America, **Buy America** (BABA)

- Requirements for federally funded transportation projects
- Buy America –Steel
- With BABA, Buy America expands to:
 - non-ferrous metals;
 - plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables);
 - glass;
 - lumber;
 - Drywall
- Effective on Projects bidding 1/2023
- Note that Cement and Asphalt are not included



Programmatic Permits – 1200-CA Stormwater

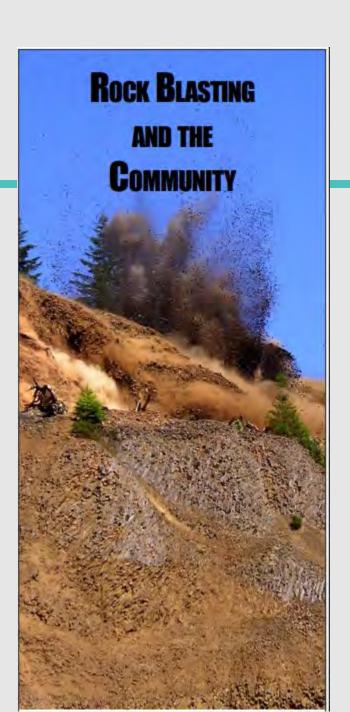




Aggregate Source Permits







Strategic Action Plan

→ GHG Inventory

- Strategic Action Plan:
 - Set climate change emission baseline
 - Phase in low-carbon materials, fuels
 & practices
 - Monitor and adjust
- Reduce GHG from construction and maintenance operations
 - Fuels
 - Materials

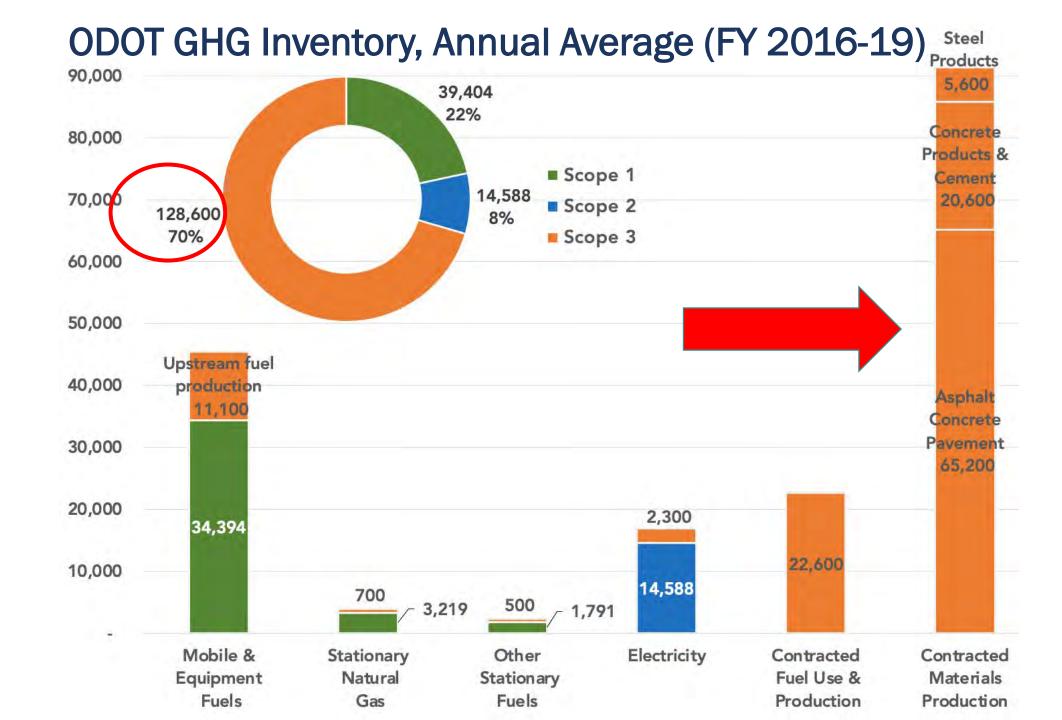






Oregon Department of Transportation
Operational Greenhouse Gas Reductions:
Best Practices & Recommendations





Recommendations... over 40 total

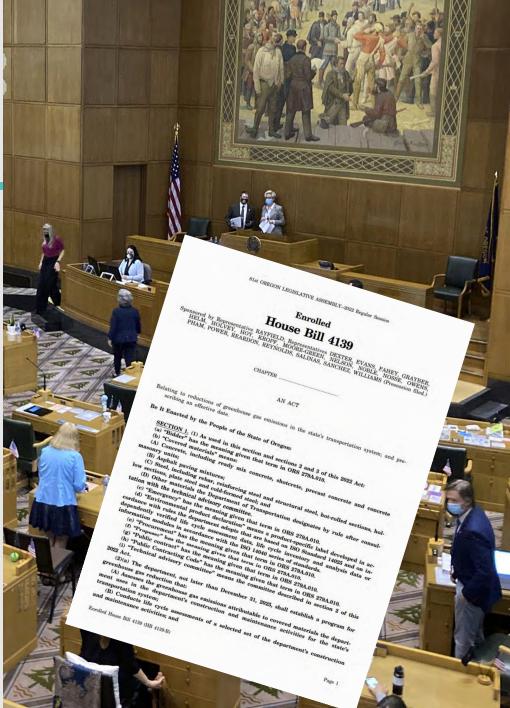
- Maximize use of Substitute Cementitious Materials (SCMs)
- Develop Environmental Product Declaration (EPD) program
- Support contractor and materials industry transitions

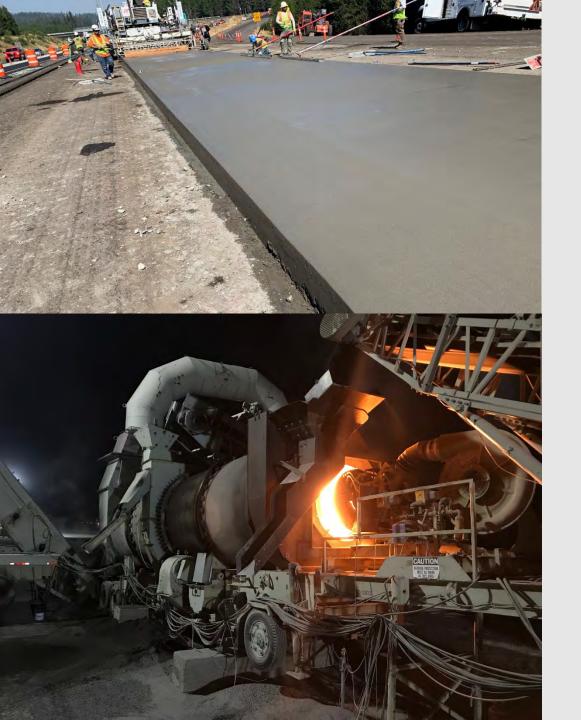




Oregon House Bill 4139

- Requires ODOT to set-up a "program for GHG reductions"
- The agency to collect EPDs on asphalt, concrete and steel
- ODOT to devise strategies for reducing GHG emissions
- Allows for regional variability and prioritization of quality / performance





Innovation is part of ODOT's daily operations...

- 20% SCM replacement in mix designs and approved >30 SCM sources and natural pozzolans
- Internal team meeting regularly to share information
- Research and test low-carbon materials
- Engagement with other DOTs and industries

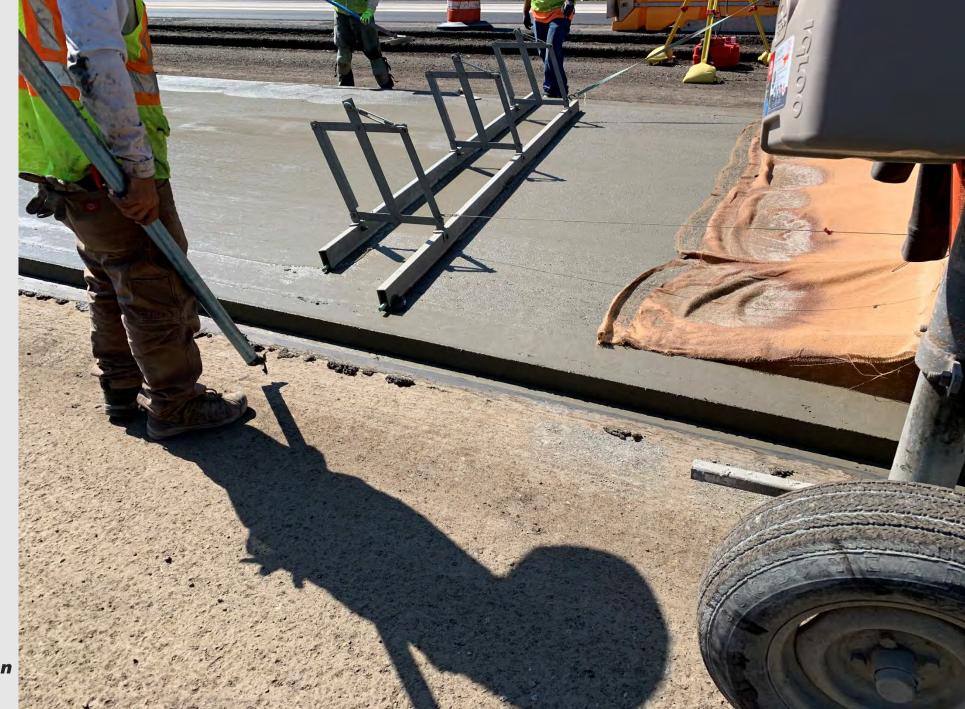
Concrete Mix Optimization













AASHTOWare for Construction – What are we changing?

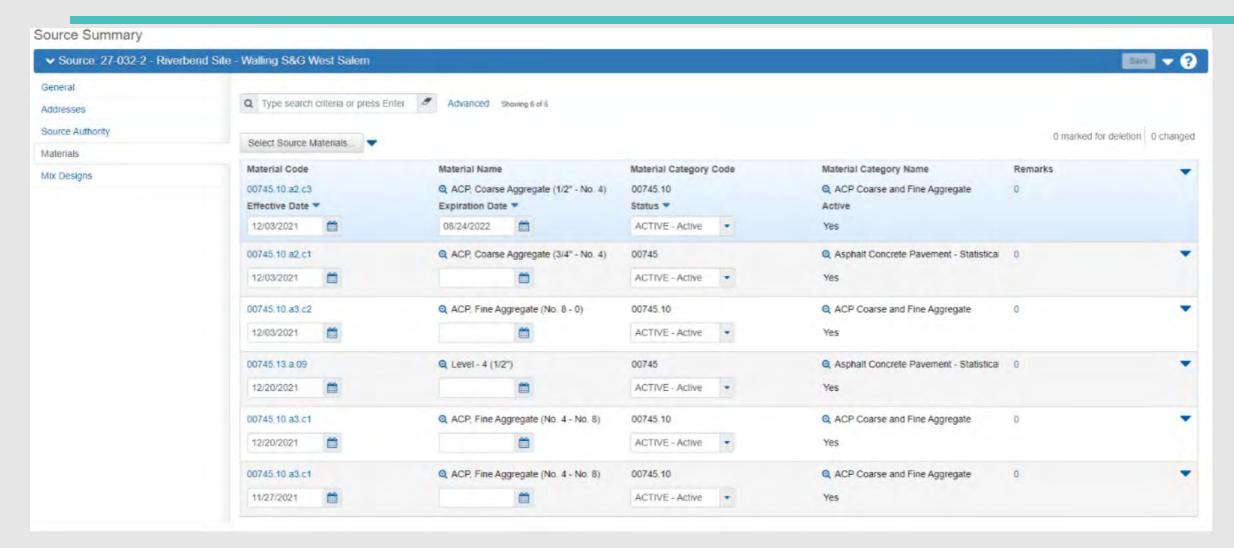
- Qualified Products List (QPL): currently paper to Access database
- Contract Payment System (CPS): currently paper to mainframe
- Lab Information Management System (LIMS): currently paper to COBAL
- C-Service: database created and run by one staff
- CRCT: Civil Rights Compliance Tracking which has reached expiration of support
- Processes
- Tools
- Ability to run reports
- Construction contract data in one unified database



ODOT Materials - Acceptance



AASHTOWare - Example



AASHTOWare for Construction – Important Dates

- Pilot Projects Training: 2023
- Roll-Out for Construction: 2023 2024





Work Zone Safety





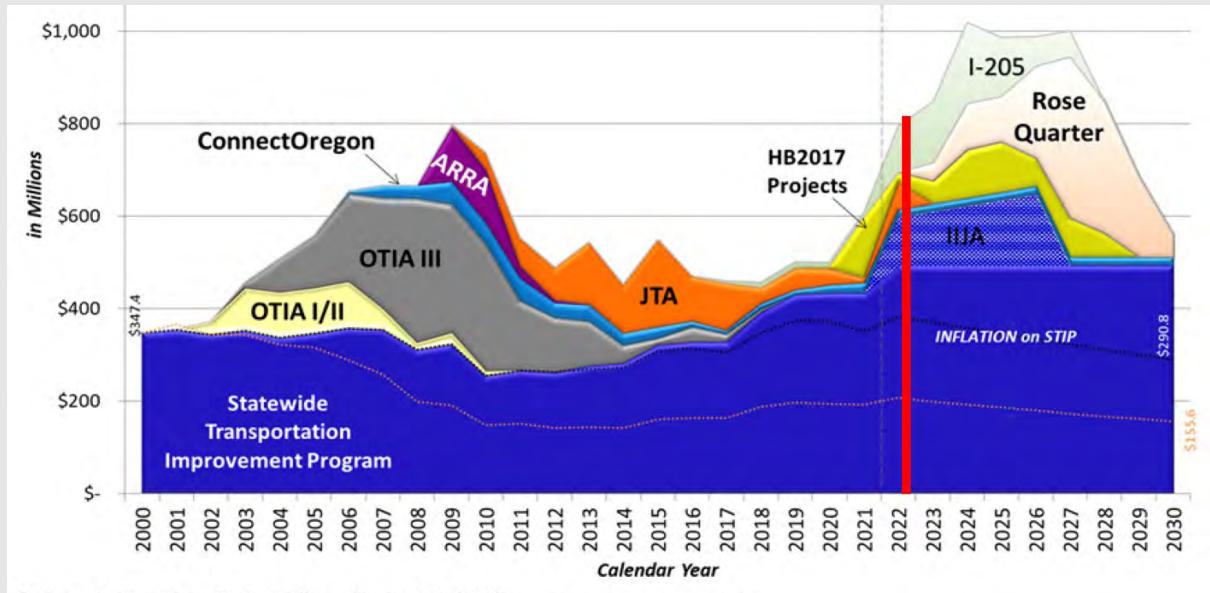


ADA Curb Ramps

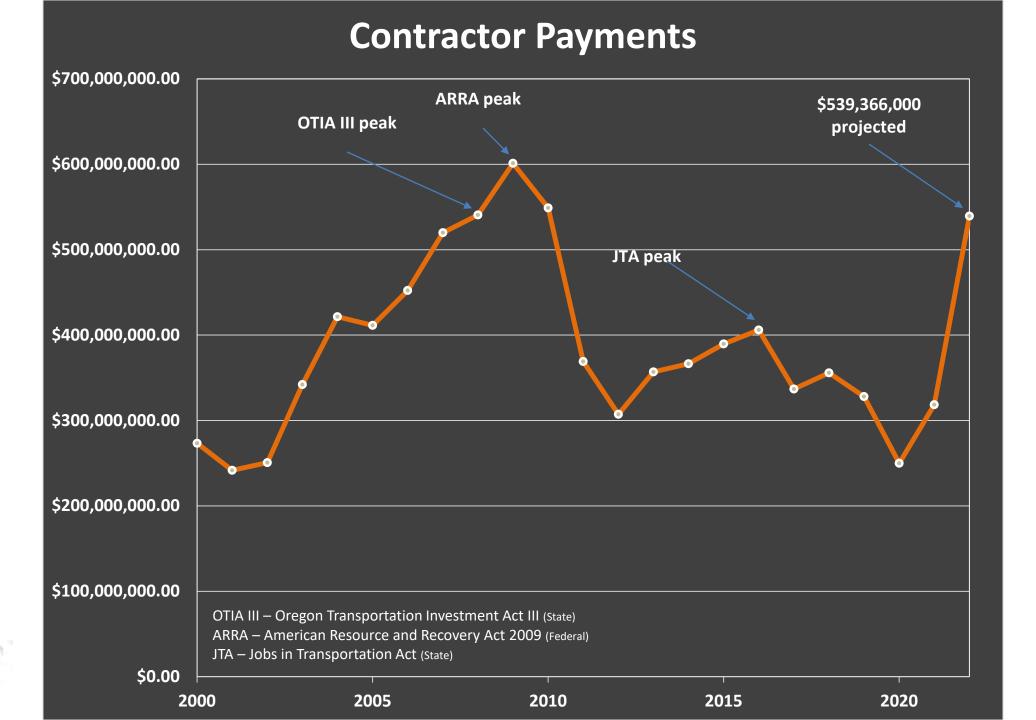
- September 2022 Bond to Fund Required Ramp Replacements
- Additional \$700M, Now to December 2027
- 2017 2023 = \$1.4B
- Structural ODOT Changes to Consolidate & Streamline ADA Work



Funding Outlook



Delivery & Operations Budget Office - Revised 01/20/22 (actuals through December 31, 2021)





What is the STIP?

Capital Program Funds

Federal and State Funds

Construction projects for the highway system

Public and active transportation projects

What is NOT in the STIP

State-Funded
Multimodal
Grant Programs

Maintaining and Operating the System

Revenue/ Administrative Functions



Three Phases of '24-'27 STIP Development







Funding Allocation 2020 Project Selection 2021-2022

Public Review/ Approval 2023



2024 – 2027 STIP Program Funding Categories

FIX-IT

Projects that preserve or fix the state highway system—bridges, pavement, culverts, etc.

SAFETY

Projects focused on reducing fatal and serious injury crashes on Oregon's roads

ENHANCE HIGHWAY

Highway projects that expand or enhance the state highway system

PUBLIC AND ACTIVE TRANSPORTATION

Bicycle, pedestrian, public transportation and transportation options projects & programs

LOCAL GOVERNMENT PROGRAMS

Funding to cities, counties, and others for priority projects

ADA CURB RAMPS

Construction of curb ramps to make sidewalks accessible for people experiencing a disability

OTHER FUNCTIONS

orkforce development, planning, data collection and other programs using federal money

Investments in the '24-'27 STIP

- More than \$3.3 billion in total state and federal resources
- Significant infusions from both HB 2017 and federal infrastructure bill
- Major investment of federal and state funding in bridges
- Significant increase in funding for public and active transportation
- Increased funding for safety
- Greater investments in local government programs
 - Major investment in ADA curb ramps







Climate-Mitigation



Climate Adaptation/ Resilience



Congestion



Social Equity



Multi-Modal Mobility



Safety



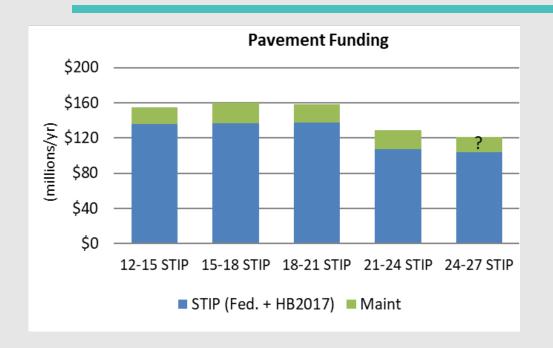
State of Good Repair (SOGR)



- What next?
- 2027-2030 STIP planning process over next year



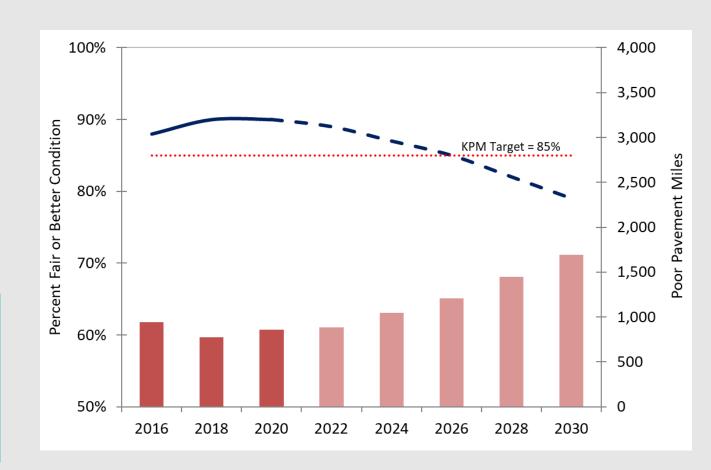
Pavement Condition and Funding Trend



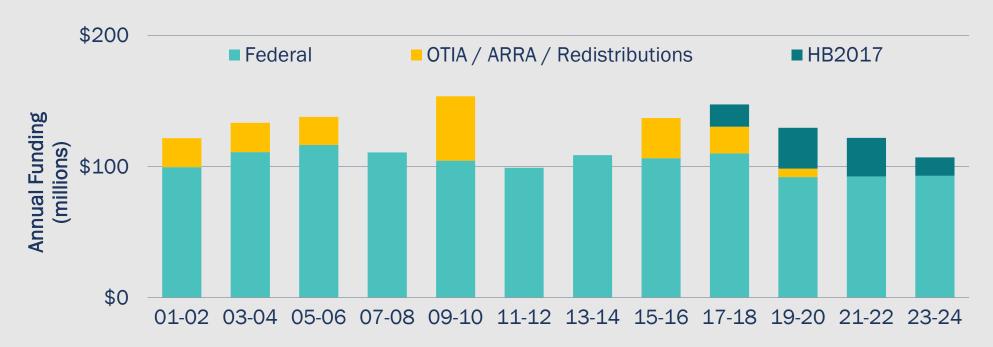
Notable Facts

Poor mileage (and demand for patching) doubles in next 10 years!

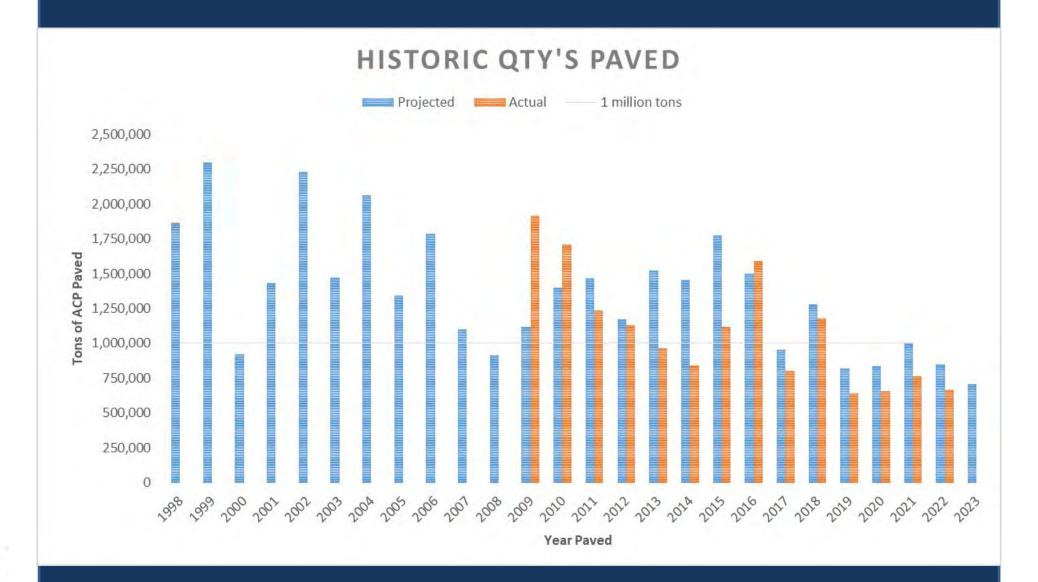
Maintenance plays a vital role in ODOT's ability to react to the consequences of the decline.



Pavement STIP Funding

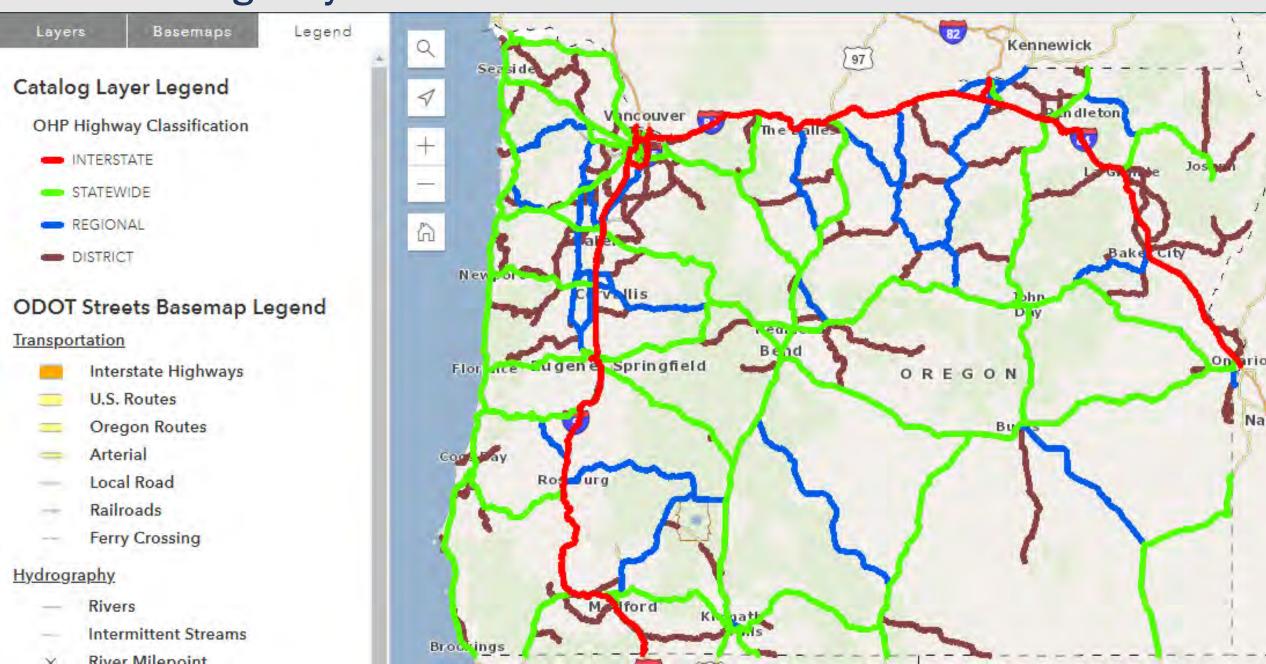








What Highway Classifications Can We Maintain and Preserve?



Leveraging Washington's Experiences – WSDOT Data

Preservation (Millions of dollars)	Replacement Value		Current plan Annual Average spending	Average annual funding shortfall	
Pavement	\$24,805	\$305	\$1 55	\$150	
Bridge	\$61,660	\$305	\$150	\$155	
Other Highway Assets	\$36,960	\$120	\$45	\$75	
TOTAL	\$123,425	\$730	\$350	\$380	

Notes:

Rounded to the nearest \$5 million

HMA Tons Awarded: Actual and Estimated



