Alternative Uses of Highway ROW
AASHTO 2012

Oregon
Department of Transportation

Mike Stone
Property Leases in the RW for recreation, parking, storage etc.

- Common uses
- Income Generation

2012 AASHTO Subcommittee on Right of Way and Utilities Conference
Marriott Waterfront Hotel – Portland, Oregon
April 29 to May 3, 2012
Park Spaces
Bear Creek Greenway is a 17-mile paved multi-use trail that travels through creek side woods and natural areas, connecting five communities and eight parks along its course.

Bear Creek Greenway parallels Bear Creek, Interstate 5, and Highway 99. Sections of the trail travel adjacent to roadways while others wind through the riparian corridor of the creek.
The first segment of the Bear Creek Greenway was built in the City of Medford by ODOT in 1973.

ODOT, Jackson County, and the cities of Central Point, Medford, Phoenix, Talent, and Ashland have collaborated to develop and manage the Bear Creek Greenway.
South Medford Interchange
• Intergovernmental agreement, leases for sections (varies)

• Specific exemptions from 4(f) impacts if needed for highway expansion
Oregon Solar Highway Project

In 2008, the Oregon Department of Transportation embarked on an historic initiative…

…to build the first Solar Highway project in Oregon and the nation.
Oregon Solar Highway Project

ODOT Needs Electricity…

Oregon’s transportation system uses almost 50 million kilowatt hours annually at a cost of more than $4 million.
Oregon Solar Highway Project

ODOT has the Opportunity…

ODOT has more than 19,000 lane miles of right-of-way.

Solar arrays on less than 1% of that could supply all 50 million kilowatt hours ODOT uses annually.
Oregon Solar Highway Project
Solar Highway Demonstration Project

• 104 kW dc ground mounted solar array
• 594 175-watt dc solar panels
• Produces about 130,000 kWhs annually
• About 1/3 of interchange lighting needs

Placed in Service December 19, 2008
Oregon Solar Highway Project
Baldock Rest Area

- 6.4 acres east side of rest area
- ~7,000 SolarWorld panels
- 1.75 MW producing 1,900,000 kWh
Oregon Solar Highway Project

Cost approximately $10 million to build (1.75 Megawatt)

Paid for through a partnership similar to the nation’s first solar highway project at the I-5/I-205 interchange.

It involves private financing, tax credits and public investment.

Placed in Service January 17, 2012
ODOT’s Solar Highway Goals

• Complement and not Compromise the transportation system
• Supply electricity needed to operate the transportation system
• Fulfill mandates to develop sustainable energy resources
ODOT’s Solar Highway Goals

• Add value to right-of-way assets

• Build a foundation for solar highways throughout Oregon and the nation.
Bio-Fuel Production

The present project explores a method of growing oil seed crops in nontraditional agronomic areas along roadways, airports, military, railroad areas, unused construction areas, government and subsidy lands for biofuel production.

http://freewaystofuel.org/
Wind Energy Production

• Size of utility scale turbines not yet feasible for right of way use but advances are being made.

• Ohio DOT and Massachusetts DOT are experimenting.
Electric Vehicle (EV) Charging Stations

West Coast Electric Highway Grand Opening
March 16, 2012 - Central Point, Oregon
Electric Vehicle (EV) Charging Stations

Evolving Area!
Thank you for your time.

Questions?

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