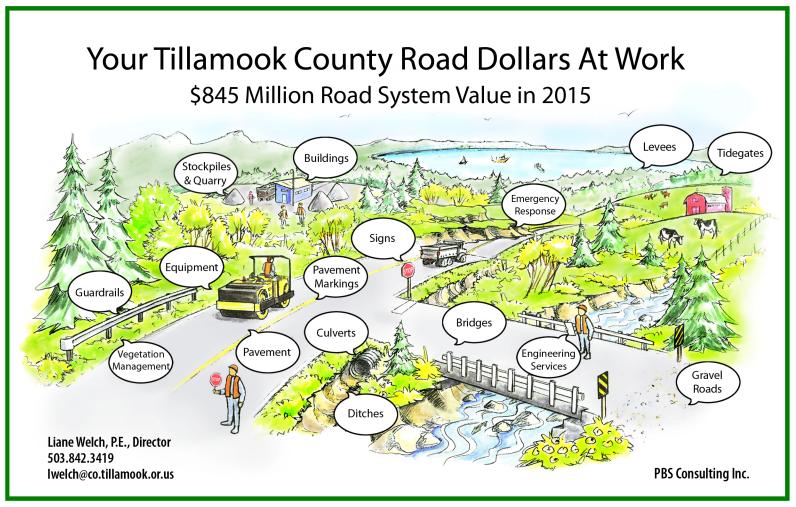
# Tillamook County Road Department Performance Report FY 2015





Version	Change	Changed by	Reviewed by	Approved by and date
V.1	Initial Draft Report through Structures, p. 13	PBS	LW	November 24, 2015
V.2	Draft Report – edit text, graphics, accomplishments and project detail; incorporate report changes from initial review	PBS	LW/JS	December 18, 2015
FINAL	Change Director's Message and Drainage section to reflect December 2015 storm event; correct footers and spelling	PBS	LW	December 31, 2015



# Report of the Director

# **Public Works Road Department**

The Tillamook County Road Department appreciates the community's support of the passage of two local funding measures in 2013: the General Obligation Bond and the Transient Lodging Tax, which dedicates 30% to the Road Department. Since 2009, we have seen a reduction of federal forest funds to the road department by 68%. Local revenues make up 53% of road revenues in 2015. We continue to make risk-based decisions in managing our transportation system. This means that we look at the risks to the travelling public and assign resources to manage these risks. With the passage of the local funding measures in 2013, we have increased our expenditures on road maintenance to 49% of our budget.

The first year of the General Obligation Bond was used to "hold the system together" with small paving patches all over the County. The second year (2015) we focused our resources on high speed, high volume roads that serve as emergency routes and economic development routes (Brooten and Latimer Roads) in addition to many smaller paving projects across the County.

We're implementing the 10-year bridge management strategy developed in 2014. We have been successful in getting projects approved for replacement under the Federal Highway Bridge Program (HBP), which is funded about 90% from Federal Highways with a 10% local cash match. Bridges under design in FY 2015 included the Lommen Bridge (Nehalem River) and the Wyss Bridge (Trask Slough). In addition, we implemented small repairs and major rehabilitation to 6 bridges with local funds.

We are still lacking staff to have an active ditch cleaning program and guardrail replacement program. We continue to repair ditches and guardrails in a reactive mode. Culverts and drainage continue to be a large risk as many of our known 3,300+ culverts are in poor condition and need to be replaced. We replaced all the culverts on projects where we paved. December 2015 storm events wreaked havoc on this already fragile drainage system. We continue to work with our partners (watershed councils and resource agencies) to replace culverts with fish passage structures on County roads as opportunities present themselves. An example is the fish passage culvert on Brickyard Road that replaced a failing culvert. We actively participate in the Salmon Super Highway Project that is gaining momentum to replace fish barriers in the Nestucca and Tillamook Bay Watersheds. We continue to work on special projects such as the Cape Meares Loop realignment around a large complex active landslide; the secondary egress out of Neskowin; the Sister County partnership with Umatilla County for response to the Cascadia Earthquake; the storm damage repairs on Resort Drive; and development of our two rock quarries.

We appreciate that we are a part of this community and commit to providing the best service with County resources.



**Public Works Road Department** 

Asset Management
Strategy
& Financial
Summary

# **Asset Management Strategy**

The Tillamook County Road Department manages the County road system. We become more knowledgeable about our transportation network each year. The overall transportation system is now valued at \$845 million. Tillamook County manages an old road system. Approximately one-third of County transportation assets are in poor / very poor condition. A risk management strategy is used we call "a mix of fixes." This means that some roads and bridges have fallen into a state of disrepair which require major rehabilitation or complete replacement, even while preventive maintenance is our long term goal.

# Risk Management Strategy - Mix of Fixes

- \*Do preventive pavement maintenance
- \*Increase bridge maintenance
- \*Increase drainage maintenance
- \*Increase culvert inventory, levee assessment and building maintenance programs
- \*Continue to do reactive maintenance with focus on safety
- \*Slow system deterioration; stabilize the rate of failure
- \* Identify additional funding through partnership & grants
- \*Continue to communicate critical failures with the Board and community

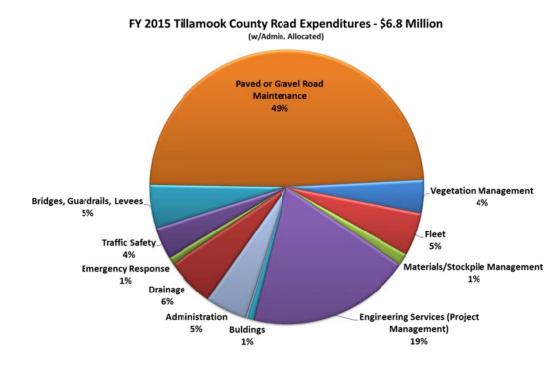
The cashflow from the 10-year General Obligation bond passed in 2013 varies widely year to year in compliance with federal regulations. This will impact the availability of funds over the next 10 years for road, culvert and bridge maintenance and improvements. Local revenues (bond and Transient Lodging Tax) make up 53% of 2015 road revenues. Funding remains insufficient to meet road service needs over the next 10 years. The Road Department will continue to use risk-based decision making to set priorities and will seek opportunities to partner with key stakeholders and apply for grants that augment resources.

# What did we accomplish this year?

The Road Department is committed to **continuously improve** the skills, tools and business processes that support County road services. This annual Asset Plan communicates Road Department asset management strategy and performance information for Roadway and Traffic, Structures, Drainage, and support (Equipment and Buildings) services. Unit costs are updated each year to determine the cost of service, and replacement value of the system. Visual inspections verify asset performance. Resources are allocated to manage high risks given available funding and community priorities.

#### Specific 2015 improvements include:

- The County doubled the miles paved (while replacing culverts) on high volume County roads. Over 12 miles were paved in 2015.
- The 2014 Strategic Bridge Plan now guides County bridge maintenance, rehabilitation and replacement projects.
- The Road Department received the 2015 Pavement Asphalt Association of Oregon Pavement Excellence Award for the Latimer and Brooten Road projects in March 2015.



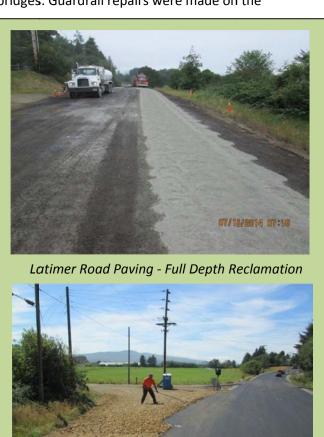
Partnerships with federal, state and regional agencies to leverage County projects. This includes participating in the Sister County
partnership with Umatilla County for response to the Cascadia Earthquake; and the Salmon Super Highway Community Project that is
gaining momentum to replace culvert fish barriers in the Nestucca and Tillamook Bay.

#### Specific **achievements** include:

• Focused on paving 12.68 miles on high speed, high volume roads in 2015; this is double the miles paved in 2014. This included Latimer Road and Brooten Road, Idaville, Necarney City Road, Vaughn, and Magnolia.

Three bridge replacements were in design phase: Lommen, Wyss and Whalen Island bridges. Guardrail repairs were made on the Salmonberry Bridge.

- Replaced culverts
  - Provided local revenues to match Federal and State Grants for Sand Lake Road and Bear Creek culvert replacement
  - o Designed and partnered on Bear Creek culvert replacements
  - On Brooten, and Latimer Roads in preparation for road rehabilitation projects
  - o On Kilchis River Road
- Worked with partners to design culverts for fish passage on Mapes
   Creek, Myrtle Creek, Bower Creek, and George Creek.
- Provide geotechnical analysis and alternatives for large active landslide areas (Cape Meares Loop Road closed January 2013), and provide slope failure designs (Resort Drive MP 1.3 and MP 2.1)
- Grading, shoulder work, and cattle crossing maintenance
- Managed vegetation on 573 miles of County roads
- Emergency Management
  - Storm response
  - o Response to landslides and 911 callouts
  - Emergency preparedness for managing Cascadia Earthquake "Filling the Void of Leadership"
  - o Neskowin emergency egress design
- Responded to service requests
- Engineering Department permit support
  - Reviewed and approved road approach and utility permits
  - o Reviewed Department of Community Development permits
- Purchased a used pavement roller & two used tilt trailers



The County continues to apply for federal and state grants. \$1.4 M in project funds was administered by ODOT and partners for County Projects in FY 2015.

State and Federal Funded Projects on County Roads in 2015					
Cape Meares Loop	Geotechnical Study	\$56,000			
Lommen Bridge	Bridge Design	\$495,000			
Emergency Relief - Resort Drive MP 1.3 (FHWA)	Slope failure design	\$116,000			
Emergency Relief - Resort MP 2.1 (FHWA)	Slope failure design	\$125,000			
Wyss Bridge	Bridge design	\$117,000			
Sand Lake Road 10.5	Culvert replacement	\$35,900			
Whalen Island Bridge	Bridge replacement design	\$13,000			

# Other partners' funds for County Projects in FY 15\*

Bear Creek	Culvert replacement with fish passage	\$112,000
Mapes & Myrtle Creek	Culvert design with fish passage	\$68,000
George Creek	Culvert replaced with bridge fish passage	\$234,728
Salmon River Highway	Replace culverts for fish passage	e

<sup>\*\*</sup>OWEB, Trout Unlimited, Tillamook Estuaries Partnership, Tillamook Bay Watershed Council, Nestucca/Neskowin Watershed Council, and USFWS

Total

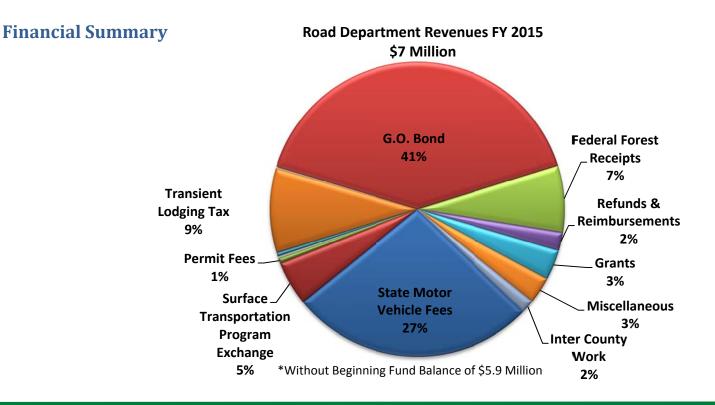


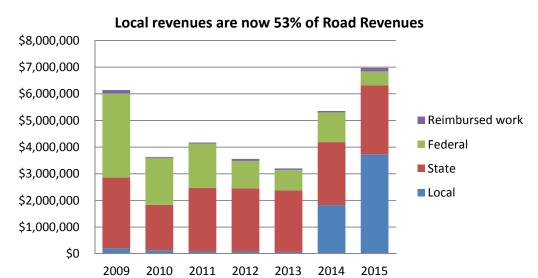
George Creek Culvert - Before



George Creek Bridge Replacement - After

\$1.4 Million



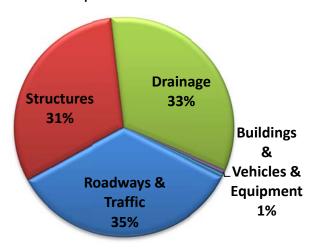


Voters approved a local bond measure and Transient Lodging Tax in 2013. **Local revenues now make up over 50% of County road funding** while federal funding declined 50% in 2015.

The Road Department also funded \$1.4 million in projects through grants and partnership with the Oregon Department of Transportation, and Federal Highway Administration, Oregon Watershed Enhancement Board, the U.S. Fish and Wildlife Service, Whole Watershed Restoration Initiative, the Tillamook Bay Watershed Council, and the Tillamook Estuaries Partnership.

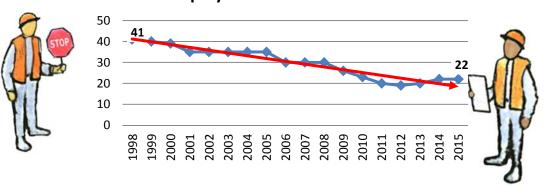
# What does the County Road Department manage?

Tillamook County Road Network Value in 2015 \$845 Million

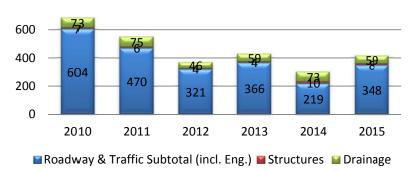


County Road Services				
Assets	Services			
263 paved miles	Vegetation Management			
65 miles gravel roads	Traffic Safety			
101 bridges	Materials/Stock Piles			
3,300 culverts	Service Request management			
7 levees	Emergency Response			
5,169 signs	Engineering Services (permits & capital projects)			
392 miles pavement markings	Fleet Management			
10 miles guardrails	15 buildings			

# **Employees have declined to 22**



# Service Requests 2010-2015





# Road Department FY 2015 Performance

# **Public Works Road Department**

Goal/Key Performance Measure (KPI)	Last reporting cycle	Current reporting cycle	Draft Target	Trend	Comments	
Goal: Maintain and preserve a s	Goal: Maintain and preserve a safe and efficient county road network.					
Roadway and Traffic						
Pavement condition index	50 PCI (2012)	54 PCI (2014)	TBD	1	Pavement condition improved with use of local revenues approved in 2013. However, over the next 5 years, pavement condition is expected to decline; funds are insufficient to meet need or achieve the performance target.	
Percent of paved road miles in Good or Fair condition	50%	57%	78% (ODOT)	1	A majority of County roads are in Good or Fair condition (PCI >50), an improvement since 2012.	
Structures						
Percent of bridges in Good or Fair Condition (>80 SR)	84% (2014)	84% (2015)	78% (ODOT)	1	A 2014 Bridge Management Program aims to maintain bridges in good condition through cyclic maintenance and preservation. Six bridge rehabilitation projects and various designs for bridge replacement occurred in Fiscal Year 2015.	
Number of bridges in Poor or Critical Condition	16 (2014)	16 (2015)	TBD	<b>*</b>	Six bridges are scheduled for replacement from 2015-2019 as funding allows. In Fiscal Year 2015, design for bridge replacements (Lommen & Whalen Island), or complete bridge replacement (Wyss) occurred. George Creek Bridge replaced a culvert with a design that provided adequate fish passage.	

Goal/Key Performance Measure (KPI) Drainage	Last reporting cycle	Current reporting cycle	Draft Target	Trend	Comments
Percent of Culverts in Poor Condition (est. based on 2012 visual condition assessment of 20% of the inventory)	32% (2012)	32%(2012)	0% ( <i>Drainage</i> <i>Asset Plan</i> , 2012)	•	Culvert inventory information has not been maintained, however a partial (20%) inventory and condition assessment in 2011-12 indicates that there are more culverts, the replacement cost is significantly greater, and culvert condition is worse than earlier estimates. There is a Low confidence in culvert information.
Number of Culverts Replaced	836 lineal feet (<1%)	595 lineal feet (<1%)	1,056 culverts, as funding is found	•	Drainage on county roads was rated an Extreme risk in 2010 given the wet environment and increasing frequency and severity of weather events. Culverts are replaced as paving projects occur (Kilchis River Road), or funding partnerships allow. Completed culvert replacements with fish passage significance (Bear Creek Culvert on Brickyard Road and George Creek Bridge on Evergreen Road).
Emergency Response					
Service Request Response	65%	66%	100%		All service requests related to emergency, health and safety received a response; Participating in Sister County emergency response partnership
Staffing Levels	22	22	N/A		for managing Cascadia Earthquake ("Filling the Void of Leadership").
Vehicles & Equipment					
Useful life of vehicles	75% exceed their useful life	75% exceed their useful life	50% remaining useful life	•	The County purchased a used roller and 2 tilt trailers in Fiscal 2015.  Thirteen pieces of underutilized equipment will be sold.
Buildings					
Buildings in Poor Condition	2 (2012)	2 (2012)	0	•	The County needs to invest in its buildings. Health and safety code inspections occur quarterly; only critical building maintenance is performed. The Sign Shop was improved and portions of the Central Yard fence were replaced.



# Roadways & Traffic – Pavement Condition

**Performance Measure:** 

Percent of pavement in Fair & Good condition

# **Pavement Management Strategy**

Ensure roads are safe to travel on throughout the County. Reduce expenses by maintaining roads in Good and Fair condition. Long term, continue to improve the County road system's average Pavement Condition Index (PCI). This slows deterioration long term. Rehabilitate the roads so that we can do more preventive maintenance. This extends the road life and reduces the lifecycle cost of paved roads.

Over the next 10 years, provide small patches Countywide to hold the system together (2014), focus expenditures on high speed, high volume roads and those that provide economic value to the community (2015), and move into the neighborhoods Countywide for safety and emergency response (2016). Inspect all roads every other year and respond to service requests, as resources allow. Where it makes sense, reduce the road inventory through jurisdictional transfer. Improve pavement workmanship and pavement equipment. Partner with other Counties for traffic marking services and share equipment when practicable.

# **Service Level Target**

Working with the Board of County Commissioners and the Road Advisory Committee, set service level that are appropriate for our community. Once targets are set, reevaluate how our pavement management strategy matches up with our service level targets.

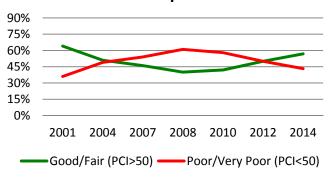
# **Current Service Level**

Almost half of the County's 2015 transportation system budget (\$3.3 million) was used to manage County paved roads. This doubled the road miles paved in 2015 to over 12 miles. In 2015, the Road Department focused expenditures on high speed, high volume roads and those that provide economic value to the community.

The majority of the 263 miles of County roads are in Good or Fair condition. The average road condition in 2014 improved to 54 or Fair, up from 50 in 2012. Road condition is rated every other year; the next update is in 2016.

Roadways are the County's most valuable asset with a replacement value of \$291M.

# Since 2008, pavement condition has improved



# **Local Revenues Improve Pavement Services**

In 2015 the Road Department focused on high speed, high volume roads and those that provide economic value to the community. The road miles paved in 2015 doubled to over 12 miles, including rebuilding 3.9 miles on Latimer and Brooten roads, and paving over 2 miles on Idaville, Necarney City Road, Vaughn and Magnolia.

Latimer Road (contract)	Brooten Road (contract)	
Miami River Road	North Fork Road	
Moss Creek	Tohl Road	
Front Street	Sollie Smith	
Fairview	Vaughn	
Idaville	Hobsonville	
Bay Ocean	Wilson River Loop E-W & N-S	
Kilchis River Road	Brickyard	
Hughey Lane	Magnolia	
Elderberry PC Heights	Boquist	

Parkway Drive

Slab Creek S

Road miles paved doubled in 2015

# 11 | Page Tillamook County Asset Management Plan 2015

**Necarney City Road** 

Hodgdon

Savage

# Risks for Roadways & Traffic

- Insufficient funding for resurfacing will allow water to enter the pavement resulting in pavement failures and avoidable and expensive reconstruction.
- Poor construction standards for many pavements mean that when they fail, reconstruction becomes very expensive. This problem is compounded by increasing heavy vehicle loads.
- A substantial proportion of roads have poor design. This can have safety impacts
- 4 Lack of timely maintenance
- Wet climate/storm damage reduces asset life, increases life cycle costs and diverts planned maintenance and renewal funds to reactive storm damage repairs.
- 6 Poor drainage
- 7 Insufficient construction inspection
- 8 Increased traffic loads
- 9 Vegetation impact

- 1 Rehabilitate roads so that preventive maintenance can be performed on roads in Good and Fair condition
- 2 Focus on high volume roads
- Rate condition every other year and respond to service requests
- 4 Reduce the road inventory through jurisdictional transfer where possible
- 5 Improve road drainage
- 6 Improve workmanship and equipment
- 7 Partner with other Counties for traffic marking services and share equipment if possible.



# **Structures - Bridge Condition**

# **Performance Measure:**

Percent of bridges in Fair & Good condition

# **Structures Management Strategy**

A Mix of Fixes. Maintain bridges in good condition by performing preservation and cyclic maintenance; seek funding partners to replace bridges with Sufficiency Rating less than 50%, inspect bridges every other year, develop an annual levee inspection program, and repair and replace guardrails as a part of ongoing road projects.

Service Level Target (to be reviewed and adopted by the County Road Advisory Committee in FY 2016)

Replace 20 bridges by 2029 (two per year for 15 years or \$610,000 annually), then replace 4 bridges every 3 years. Perform one major bridge rehabilitation project every year (\$250,000). Perform cyclic bridge maintenance (joint replacement) on five bridges/\$25,000 annually following initial investment of \$35,000 to address backlog; and resurface 4 bridges/\$48,000 annually following initial backlog catch up of \$300,000. Conduct annual bridge maintenance (\$25,000) following initial investment (\$49,000) to address signage, clean debris, remove drift & vegetation, repair damage or missing hardware on railings.<sup>1</sup>

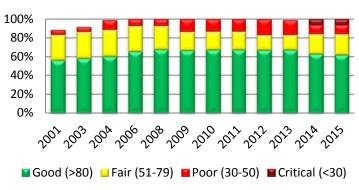
# **Current Service Level**

Continue to meet the target of 20 bridge replacements by 2029 by completing six bridge replacements, which are either in the design phase or in the process of replacement. Implement the Bridge Maintenance and Preservation Program developed in 2014 so that bridges are maintained in good condition through cyclic maintenance and preservation. Replace bridges with a sufficiency rating below 50 percent as funding partners are identified and local funding allows.

<sup>&</sup>lt;sup>1</sup> Tillamook County Strategic Bridge Program Plan, OBEC, May 2014.

Bridges have a replacement value of \$261M. The majority of the 101 County bridges are in Good or Fair condition. However, 16% are in Poor or Very Poor condition.





# **Bridges Repaired and Replaced**

Lommen bridge construction began in November 2015. Wyss Bridge replacement is almost complete. An intergovernmental agreement is now in place for reconstruction of South Fork Trask River Bridge (MP 13). Whalen Island Bridge is in design. While Cedar Creek is on hold, the County is seeking revenues to remove East Beaver Creek. George Creek Bridge was added to replace a culvert.

The County contracted bridge rehabilitation and repairs on six bridges in 2015.

\*Bridge currently closed due to road washout; the County plans to remove the bridge from the inventory and salvage the material.

# **Six Bridge Scheduled for Replacement**

Lommen Bridge
Wyss Bridge
Cedar Creek Bridge
S. Fork Trask River Bridge (MP 13)
Holgate Bridge
Whalen Island Bridge
East Beaver Creek\*

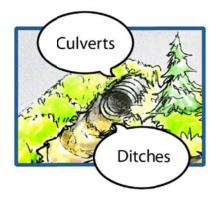
# **Six Bridges Repaired in 2015**

Jim Creek Bridge
Beaver Creek Bridge
Tillamook River (Burton) Bridge
Rice Creek Bridge
Munich Bridge
Lommen Overpass

#### Risks

- 1 Four fracture critical bridges including three railroad car bridges (Cedar Creek, Three Rivers, and Dougherty Slough) and one twin-girder bridge (South Fork of the Trask). Two are on low volume roads (Three Rivers and Dougherty Slough).
- 2 Three bridges are susceptible to scour /settlement following flood events.
- 3 27% of bridges are timber and 8% steel. Both materials wear more quickly in maritime environment. These bridges tend to be older and have the lowest Sufficiency Rating.
- 4 Guardrail and levee failure due to poor design, crash impacts, weather events leading to flooding and embankment failure.
- 5 Funding and the number of staff are insufficient to address maintenance and repair needs.

- 1 Implement Strategic Bridge Program based on available funds.
- 2 Replace two critical bridges (South Fork Trask and Cedar Creek).
- 3 Inspect all bridges every other year
- 4 Monitor susceptible bridges & levees following flood event.
- 5 Contract repair of 6 bridges (Jim Creek, Beaver Creek, Tillamook River (Burton), Rice Creek, Minich Creek Bridges, and Lommen Overpass).
- 6 Seek funding partners to replace high priority bridges.
- 7 Develop an annual levee inspection program.
- 8 Repair guardrails after crashes and try to collect insurance reimbursement.



# **Drainage - Culverts**

# Performance Measure:

Percent of culverts in Poor or Critical condition

# **Drainage Management Strategy**

As paving lists are developed, inspect and replace culverts prior to paving. Continue to seek funding partners to replace culverts with fish passage facilities in all watersheds of the County. Replace culverts that are a high risk to the safety of the community.

**Service Level Target** (to be reviewed and adopted by the County Road Advisory Committee in FY 2016) Drainage management strategic objectives are to:

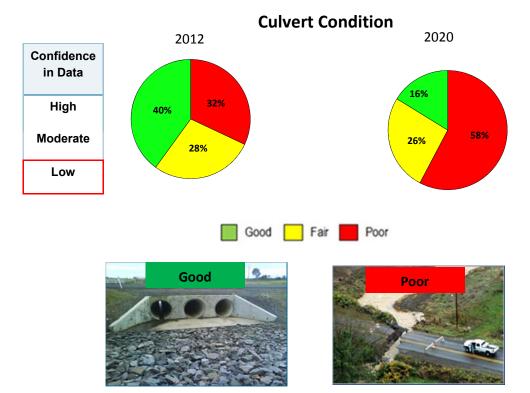
- provide and maintain adequate road drainage in order to prevent water damage to the roadway structure,
- protect the rights of adjoining property, and
- provide fish passage where mandated and as funding partners are identified.

Manage surface storm water and flooding by maintaining vegetated ditches that serve as drainage facilities, maintain culverts in the condition necessary to handle their design capacity, and where culverts carry streams, maintain them in a condition to provide fish passage by performing

- culvert and catch basin cleaning
- culvert replacement as funding partners are identified
- ditching
- erosion control using best management practices with regards to steep slopes, drainage ways and permitted activities.

Current Service Level: One-third of the estimated 3,300 culverts are in Poor condition and 30% of ditches are in Poor condition.

The December 2015 storms wreaked havoc on an already fragile drainage system. We are not funding the needed lifecycle costs of the 3,300 culverts and 198 miles of ditches. Drainage on county roads was rated an Extreme risk in 2010 given the wet environment and increasing frequency and severity of weather events. In 2015, the County replaced 595 lineal feet of culverts in Poor condition. This represents less than 1% of the inventory. Culvert inventory information has not been maintained and culvert condition is not known. However, a partial (20%) culvert inventory and condition assessment in 2011-12 indicates that there are more culverts, the replacement cost is significantly greater, and culvert condition is worse than earlier estimates. While 1,222 hours of ditching was performed in FY 2015, this does not meet the needs of Tillamook County. A 2008 ditch inventory and condition assessment identified that 93% require some maintenance, and 30% are in Poor or Very Poor condition. The decline of TCPW employees has resulted in the elimination of a comprehensive ditching program for county roads. Currently, ditching occurs on a reactive basis only.



# **Risks**

- 1 Outdated inventory & condition assessment
- 2 Lack of mapped culverts
- 3 Roads inundated by plugged or deteriorated culverts
- 4 Inappropriately sized outfalls, beavers, undersized culverts, stormwater and salt water
- 5 Inadequate staffing to manage vegetation
- 6 Changing environmental regulations
- 7 Ecological impacts
- 8 Failure due to age
- 9 Poor construction techniques
- 10 Heavy vehicle loads
- 11 Inadequate funding to address critical culvert replacement
- 12 No active ditching program

- 1 Replace culverts prior to paving
- Seek additional funding and partner with other agencies on high priority fish passage culvert replacements
- 3 Inspect additional portion of culvert inventory in FY 2016
- 4 Develop inventory & and cleaning program
- 5 Report to Board on program costs & needs
- 6 Perform vegetation mowing and brush cutting as funding allows



# **Emergency Response**

# **Emergency Response Performance Measure:**

Service Requests response.

# **Emergency Response Management Strategy**

Prepare for and respond to weather events and hazards to ensure a safe county road network. Work in partnership with federal, state and county emergency responders.

**Service Level Target** (to be reviewed and adopted by the County Road Advisory Committee in FY 2016)
Investigate and quickly respond to weather events and hazards. Eliminate critical bridges, culverts and levees before and after weather events.

# **Current Service Level**

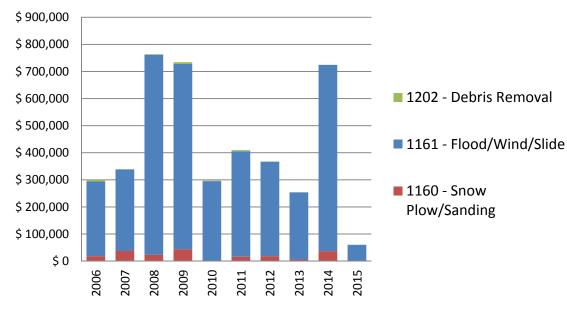
Investigate 100% of emergency service requests. Reduce hazards as a high priority. Inspect critical bridges, culverts and levees before and after weather events.



Alderbrook Road Flooding
Tillamook Headlight Herald, November 2015

There were fewer weather related emergencies in 2015 however storm response is hard to predict and impacts the budget. Emergency Response expenditures were down significantly in FY 2015.

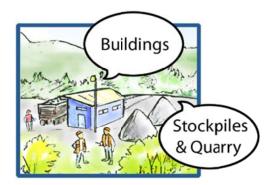




# **Risks**

- 1 Wet climate/storm damage reduces asset life, increases life cycle costs and diverts planned maintenance and renewal funds to reactive storm damage repairs
- Insufficient funding for road resurfacing will allow water to enter the pavement resulting in pavement failures and avoidable and expensive reconstruction.
- 3 Roads inundated by plugged or deteriorated culverts

- Develop and regularly review appropriate emergency response capability.
- 2 Target key emergency response vehicle (e.g., snow plows) for safety, maintenance and repair.
- 3 Respond to storms
- 4 Respond to landslides and 911 callouts
- 5 Participate in statewide emergency preparedness initiative for the Cascadia earthquake "Filling the Void of Leadership"
- 6 Design Neskowin emergency egress route



# Buildings

# **Building Performance Measure:**

Percent of buildings in Poor or Critical condition

# **Building Management Strategy**

Address the number, quality and location of TCPW buildings that influence the efficient and effective management of resources (labor, materials and equipment) used to deliver county road services.

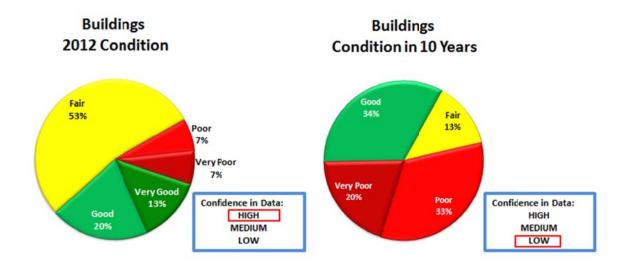
# **Target Service Level**

To be developed with the County Road Advisory Committee in FY 2016.

# **Current Service Level**

There are 15 buildings with 2 (13%) in Poor condition based on a 2012 inspection. Buildings are inspected quarterly for safety code violations. Only critical building repairs are performed.

Improvements to the Sign Shop were made in 2015 and a fence repaired in the Central Yard. However, a 2012 estimate states that by 2022 a majority of Road Department buildings will be in Poor condition.



# Risks

- 1 There is no building asset plan with an inventory and condition assessment of major building elements that assure worker safety and building code compliance
- 2 Buildings not to code
- 3 Buildings functionally is inadequate
- 4 Many buildings are in poor condition

- 1 Improve Sign Shop interior
- 2 Inspect buildings quarterly for safety code violations
- 3 Address critical repair needs identified in the 2012 inspection, especially on Main Office and fence
- 4 Implement improvements to use of existing office space in Central Office
- 5 Conduct annual building inspection for OSHA health and safety code compliance
- 6 Communicate the need for additional resources to address overall Road Department facility needs



# Vehicles & Equipment

# **Performance Measure:**

Percent of vehicles with less than 50% useful life remaining

# **Vehicles and Equipment Management Strategy**

Ensure availability and reliability of vehicles and equipment for road crews by providing timely maintenance and repairs. Replace critical equipment and vehicles to manage fleet at lowest lifecycle cost as funds are available.

Target Service Level (Target to be reviewed and adopted by the County Road Advisory Committee in FY 2016)

Vehicles have 50% or greater remaining useful life. Perform preventive maintenance (Level A & B) on 100% of the fleet.

# **Current Service Level**

Nearly 75% exceed the County's adopted useful life for vehicles. In Fiscal 2015, only twenty-four percent (24%) of the County fleet received Level A preventive maintenance. The Public Works Department staffing levels are inadequate; the Shop Foreman and crew are primarily assigned to field work.

Used vehicles and equipment that increase work efficiency and effectiveness are targeted for purchase. The County purchased a used roller and 2 tilt trailers in Fiscal 2015. Thirteen pieces of worn out equipment that requires high maintenance will be sold.



Worn out equipment to be sold

# Risks

- 1 24% of the County fleet received Level A preventive maintenance. There is an inadequate staffing level; the Shop Foreman and crew are primarily assigned to field work in the summer.
- 2 Nearly 75% exceed the County's adopted useful life for vehicles.
- 3 57% of all Shop expenses are for vehicle repair.
- 4 Some vehicle parts are not available and must be made in house.
- 5 Equipment reliability and safety is an increasing concern.
- 6 Equipment may not be appropriate for all job requirements.

- 1 Continue tracking time and hours of performance & maintenance cost per vehicle.
- 2 Report on need.
- 3 Auction vehicles not in use or with high maintenance costs.
- 4 Procure used vehicles and equipment that increase work efficiency and effectiveness.

# **Appendix A- List of FY 2015 Projects on County Roads**

List of 2015 Projects on County Roads				
Project	Purpose	Performed by		
Paving (10.639 miles)				
Latimer Road	Full Depth Reclamation-1.69 miles	Contract		
Brooten Road	Full Depth Reclamation-2.21 miles	Contract		
Miami River Road		TCPW		
Moss Creek		TCPW		
Necarney City Road	One lift	TCPW		
North Fork Road		TCPW		
Tohl Road		TCPW		
Front Street		TCPW		
Sollie Smith		TCPW		
Vaughn		TCPW		
Idaville		TCPW		
Hobsonville		TCPW		
BayOcean		TCPW		
Wilson River Loop E-W & N-S		TCPW		
Kilchis River Road		TCPW		
Brickyard		TCPW		
Hughey Lane		TCPW		
Magnolia		TCPW		
Elderberry PC Heights		Partnership/LAR		
Boquist	Spring Paving 2.040 miles	TCPW		
Hodgdon	Spring Paving 2.040 miles	TCPW		
Parkway Drive	Spring Paving 2.040 miles	TCPW		
Savage	Spring Paving 2.040 miles	TCPW		

List of 2015 Projects on County Roads				
Project	Purpose	Performed by		
Slab Creek S	Spring Paving 2.040 miles	TCPW		
Bridges				
Salmonberry Bridge	Guard rail repair	TCPW		
Lommen Bridge	Bridge design	ODOT		
Cape Meares Loop Road	Geotechnical evaluation and alternative analysis around large active landslide	ODOT		
Wyss Bridge	Bridge design	ODOT		
Whalen Island Park Bridge	Reduce to one lane as a result of foundation issues, initiated procurement for consultant to design new bridge	ODOT		
Neskowin Alternate Access Project		Grant, Citizens, TCPW		
Lommen Bridge Overpass	Bridge repair and rehabilitation	Contract		
Salmon River Highway Project	Replace culverts to reduce fish barriers	Partnership		
Jim Creek	Bridge repair and rehabilitation	Contract		
Beaver Creek Bridge	Bridge repair and rehabilitation	Contract		
Tillamook River (Burton Bridge)	Bridge repair and rehabilitation	Contract		
Rice Creek Bridge	Bridge repair and rehabilitation	Contract		
Minich Creek Bridge	Bridge repair and rehabilitation	Contract		
Culverts				
Kilchis River Road	Replaced culverts	TCPW		
All paving projects	Replaced culverts	TCPW		
Bear Creek Culvert (Brickyard Road)	Culvert replacement with fish passage	TCPW with funding partnership		
George Creek Bridge (Evergreen Road)	Bridge replacement with fish passage	TCPW with funding partnership		
Vegetation Management	Reduce vegetation on County ROW	TCPW in partnership with Soil & Water District		
Signs	Replaced signs indicated in the night Inventory. Night Inventory scheduled late 2015.	TCPW		

List of 2015 Projects on County Roads					
Project Purpose Performed by					
Buildings – Central Yard Repair buildings – improve sign shop, repair fence in Central Yard		TCPW			
Equipment	Purchased used roller and 2 tilt trailers	TCPW			